



Ministry of Energy and Mines
BC Geological Survey

Assessment Report
Title Page and Summary

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

ASSESSMENT REPORT ON DIAMOND DRILLING

TOTAL COST:

\$ 1,156,257.35

AUTHOR(S):

JENNIFER BURGESS, P. Geol

SIGNATURE(S):

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S):

MX-1-46 #12-0101255-0620
MX-1-870

YEAR OF WORK: 2012

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S):

5424284 / 02 JAN 13
5437976 / 15 MAR 13

PROPERTY NAME:

ISKUT PROPERTY

CLAIM NAME(S) (on which the work was done):

TENURE #'s 523339, 523337, 523335, 523334, 517750
(BRONSON), 222197 (HEMLI WEST 12), 222201 (HEMLI WEST 16)

COMMODITIES SOUGHT:

Au, Ag, Zn, Cu, Pb

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN:

MINING DIVISION:

LARD

NTS/BCGS:

1048/10, 1048/11

LATITUDE:

56 ° 39 ' 26 "

LONGITUDE:

131 ° 03 ' 25 "

(at centre of work)

OWNER(S):

1) SNIP GOLD CORP.

2)

MAILING ADDRESS:

611 - 675 WEST LASTINGS ST.
VANCOUVER BC V6B 1N2

OPERATOR(S) [who paid for the work]:

1) SAME

2)

MAILING ADDRESS:

SAME

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):

STUHINI GROUP TRIASSIC, VOLCANOSEDIMENTARY ROCKS MINERALIZED
SERALS, PITASSIC, BIOTITE, POTASSIUM FELDSPAR, SERICITE

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:

Next Page

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for...)			
Soil			
Silt			
Rock			
Other			
DRILLING (total metres; number of holes, size)			
Core	8 HQ HOLES - 1,930m ; 1 HQ HOLE - 507m		
Non-core			
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY / PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail			
Trench (metres)			
Underground dev. (metres)			
Other			
			TOTAL COST: 1,156,257.35

**ASSESSMENT REPORT on
DIAMOND DRILLING**

**Work Performed
During the 2012 Field Season**

**On The
ISKUT RIVER PROPERTY**

Tenures worked on:
222201, 222197, 517750, 523334, 523335, 523337, 523339

LIARD MINING DIVISION
NORTHWEST DISTRICT (SMITHERS)
NORTHERN COAST RANGE, BRITISH COLUMBIA

NTS Map Sheets: 104 B/10, 104 B/11
56° 39' 26" North Latitude
131° 03' 25" West Longitude
BC TRIM Sheets: 104B.055, 104B.056, 104B.065, 104B.066
UTM: 6,281,130mN 373,900mE
ZONE 9, NAD83

**Prepared For
SNIPGOLD CORP.
(Formerly SKYLINE GOLD CORPORATION)**
Suite 611 – 675 West Hastings Street
Vancouver, B.C. V6B 1N2

Report by:
Jennifer Burgess, P.Geol.

March 18, 2013

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1. INTRODUCTION

SnipGold Corp. is the owner of a high grade gold exploration property located in the Iskut River region of the northern Coast Mountains of British Columbia. The property also contains significant bulk tonnage porphyry style mineralization, which includes the Bronson Slope Deposit. This deposit underwent a Preliminary Assessment study which concluded in November 2010.

The property is situated at the northern end of B.C.'s "Golden Triangle", a name originally applied to an area of the Coast Mountains found between Stewart in the south and the Iskut River in the north. This area is characterized by its many precious metal occurrences, the most significant of which have been the Eskay Creek Mine in the Unuk River drainage (3.3 million ounces gold, 159 million ounces of silver), the Premier Gold Camp near Stewart, B.C. (2.0 million ounces of gold, 42.9 million ounces of silver) and the Snip Mine (1.0 million ounces of gold, 0.4 million ounces of silver). The historic Snip Mine, currently held by Barrick, is near the approximate centre of SnipGold's exploration property. The foregoing significant producers rank first, fifth and tenth respectively in lode precious metals production in the province (production totals from B.C. Minfile records).

The provincial and federal governments have committed to constructing a power line from Meziadin Junction to Bob Quinn along the Highway 37 alignment. The initial user of the power line will be AltaGas Ltd., which is constructing several run of river hydroelectric generating facilities in the Iskut River drainage. AltaGas will be required to construct a branch line to the main line at Bob Quinn in order to sell "green" power to BCHydro. This electrification project has been a goal of the BC exploration industry for half a century; and once realized, should act as a catalyst to development, possibly resulting in a number of significant mines being brought to production.

During 2012 the property was serviced by air from Smithers, B.C., the Bob Quinn airstrip or the Coast Road, located 320 km southeast, 65 km northeast and 30 km east respectively, of the property. As of December 4, 2012 the property nominally comprised an area of 27,314.95 ha in 101 claims. The claims were made up of 20 legacy claims, 68 cell claims and 13 Crown Grants.

Topography on the property is rugged and densely timbered. Elevations range from less than 100m to almost 2,400m in elevation above sea level. Weather at lower elevations is moderated by damp Pacific weather systems; however, extreme amounts of snow fall are common at higher elevations. At lower elevations, in rare years, ground accessed exploration activities can take place year round, although April is a more common month for commencing work. Higher elevations remain snow-bound until July. Permanent snow generally falls by early November at the latest, although in rare years, winter snow can occur by early September. Alpine glaciers are common.

SnipGold's Iskut property is within the Intermontane Belt on the western margin of the Stikine terrane. Three distinct stratigraphic elements are recognized: Upper Paleozoic Stikine Assemblage, Triassic Stuhini Group and Lower to Middle Jurassic Hazelton Group. Intrusive rocks comprise: upper Triassic Stikine plutonic suite; early to middle Jurassic Copper Mountain, Texas Creek and Three Sisters plutonic suites; and elements of the Tertiary Coast Plutonic Complex.

Exploration work completed on the property during the 2012 exploration season was under the supervision of SnipGold Corp.'s Exploration Manager, Jennifer Burgess, P.Geol. Exploration activities comprised camp construction and diamond drilling (including gyroscopic downhole surveys and oriented core surveys). In addition, a rigorous quality control program consisting of duplicates, blanks, and analytical standards was implemented. The work was performed in compliance with the conditions authorized by amended permit MX-1-46, Approval # 12-0101255-0620, issued on June 20, 2012, and MX-1-870, Approval # 11-1650656-1116, issued on November 18, 2011, by the Smithers, B.C. office of the Ministry of Energy, Mines and Petroleum Resources. The camp was operated in compliance with the conditions authorized by Permit to Construct an Industrial Camp Sewage System and Permit to Operate a Drinking Water System with 2-14 Connections, issued by Northern Health on July 6, 2012.

Following a digital compilation and review of historic exploration data, including 3-dimensional conductive plate modeling of an AeroTEM survey flown in 2006, several key areas were identified as favourable for high-grade Snip-style gold vein mineralization. The 2012 exploration program was focused on drill testing a number of these conductive targets areas including: the 5km Snip-Bronson Trend, the 2.8 km Johnny Flats area, the 5 km Burnie Trend as well as the C-1 and Gorge targets.

The 2012 field work program is summarized in Table 1.

Table 1: Work Completed on the Property – 2012 Exploration Program

DESCRIPTION/LOCATION	COMMENTS
Camp Construction	
Bronson Camp	17 tents, up to 25 personnel
Diamond Drilling, including: Downhole Gyroscopic Surveys and Oriented Core	
Burnie Trend	942 m; 4 holes
C-1	250 m; 1 hole
Johnny Flats	514 m; 2 holes
Snip/Bronson Trend	507 m; 1 hole
Gorge	224 m; 1 hole
Total	2,437 m; 9 holes

2. PROPERTY DESCRIPTION AND LOCATION

2.1 Property Location

The property is located in the northern Coast Range of British Columbia in the Iskut River drainage (refer to Figure 1 and Figure 2). It is centered at 56° 39' 26" North Latitude and 131° 03' 25" West Longitude on National Topographic Series Map Sheets: 104B/10 and 104B/11. Using the Universal Transverse Mercator (UTM) system of location, the property is centered at 6,281,130mN, 373,900mE in Zone 9 North American Datum (NAD) 83 on BC Terrain Resource Information Management (TRIM) Map Sheets 104B.055, 104B.056, 104B.065 and 104B.066.

Map distances and directions to regional centers are as follows:

Table 2: Location of Regional Centers Relative to the Property

Regional Centre	Distance (km)	Direction From Property
Bob Quinn	65	Northeast
Wrangell, Alaska (M)	80	West-southwest
Dease Lake	110	North-northeast
Stewart (M)	110	Southeast
Terrace (M)	285	Southeast
Smithers (M)	320	Southeast

Note: (M) indicates the presence of medical services.

2.2 Mineral Tenures

As of December 4, 2012, the property nominally comprised an area of 27,314.95 ha in 101 claims. The claims were made up of 20 legacy claims, 68 cell claims and 13 Crown Grants (refer to Figure 3).

The information shown in the following tables indicate the claims work was filed on for assessment and was obtained directly from mineral tenure records of the Ministry of Energy and Mines, Mineral Titles Branch, MT.Online; as well as records of the Ministry Responsible for Lands. Tenures 601028, 611703, 611724, 611743, 611763, 611783, 611784, 611803, 975129, 975169 and 975189 are owned by Henry Awmack (100%) and were also filed on in this assessment. Two tenures, 611783 and 611784, were missed on the initial filing on January 2, 2013 (confirmation #542484) and as a result were added to the filing on March 15, 2013 (confirmation #5437976).

To clarify, the total amount of work available for filing was \$1,156,257.35. In the first filing (event #5424284), a total of \$671,400.44 was used to file the work on the claims. In the second filing (where the 2 missing claims were added), 0\$ was filed, so the amount of work to be credited to the SnipGold PAC account is \$484,856.91, as noted in event #5424284.

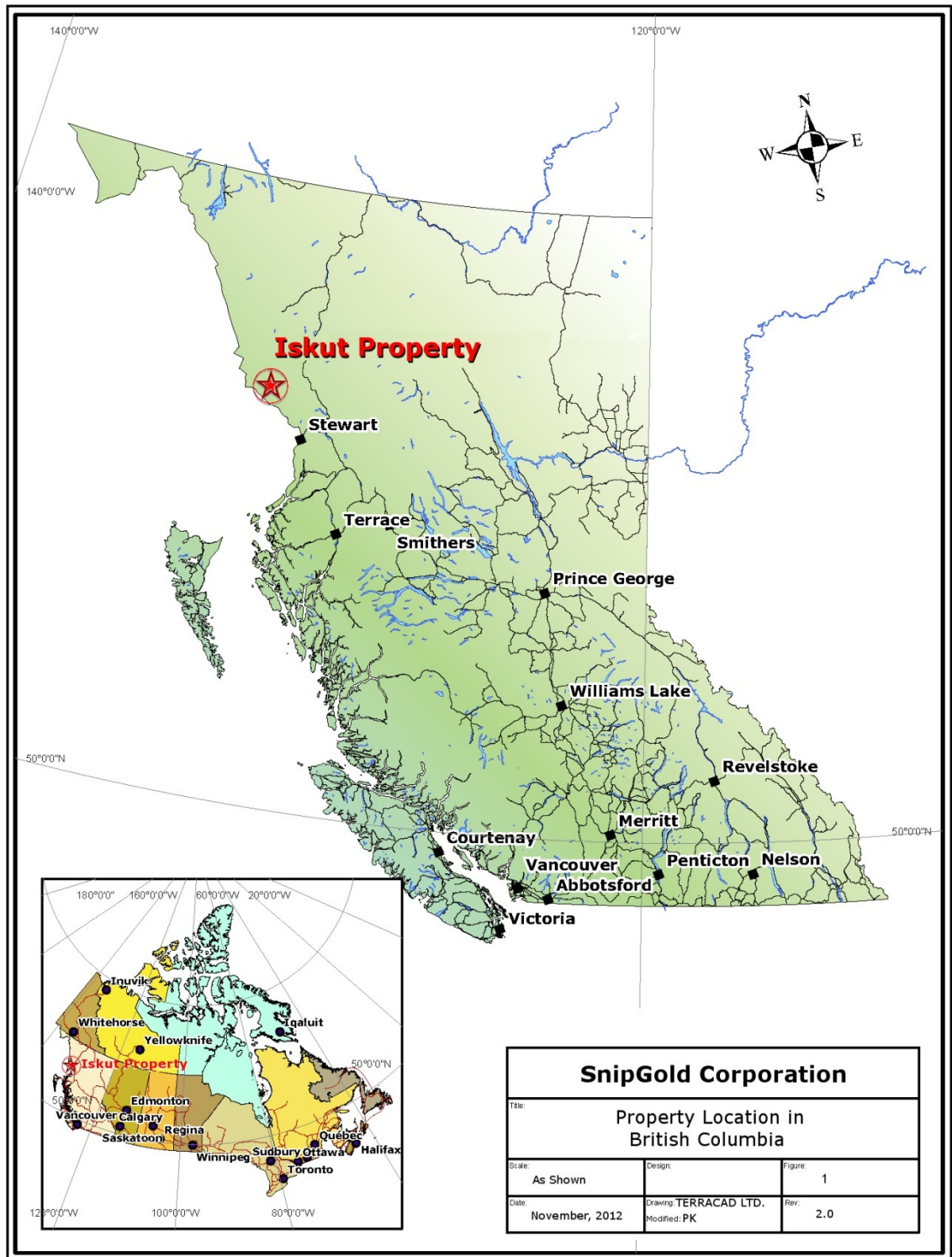


Figure 1: Property Location in British Columbia

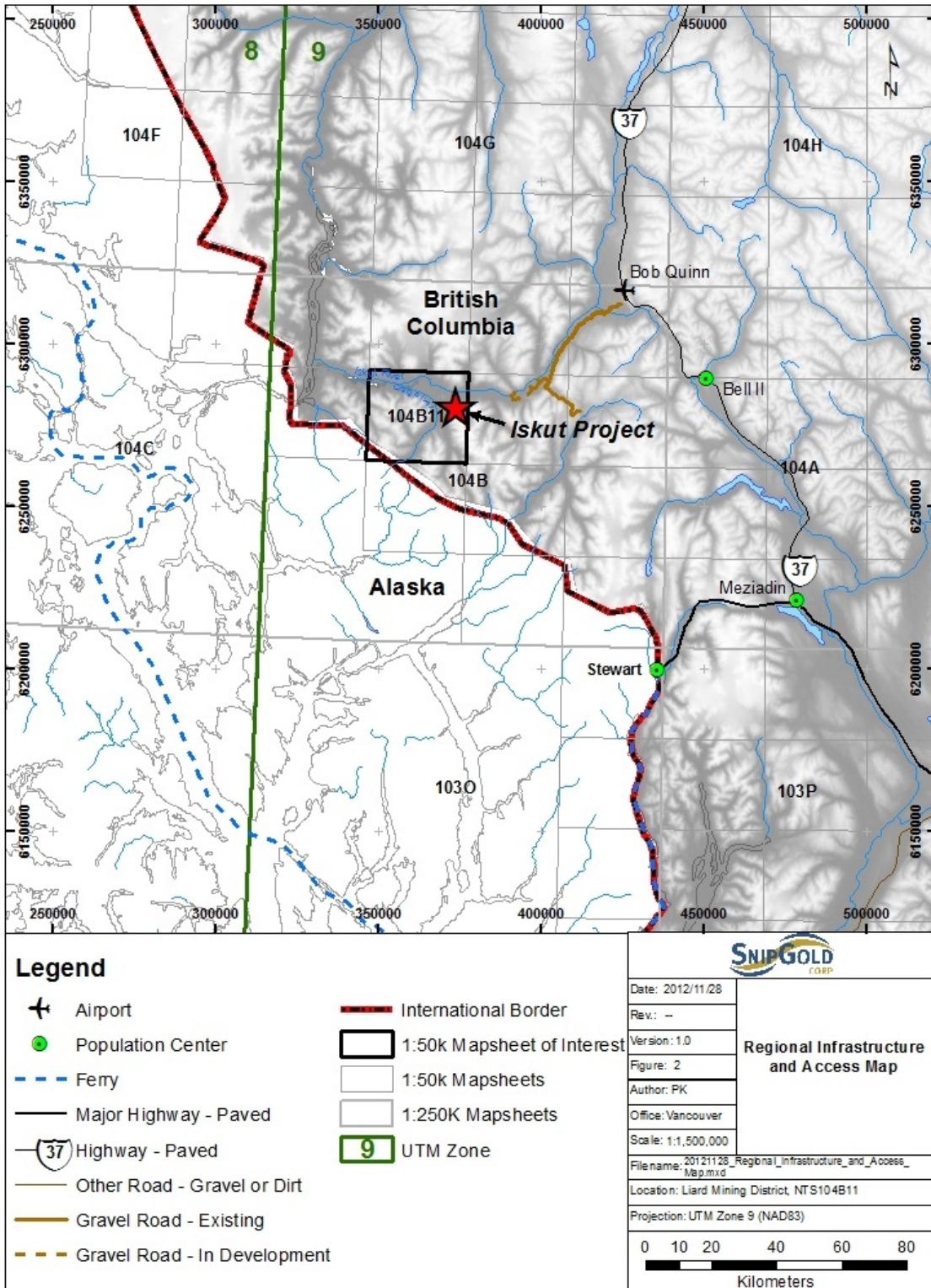


Figure 2: Regional Infrastructure and Access Map

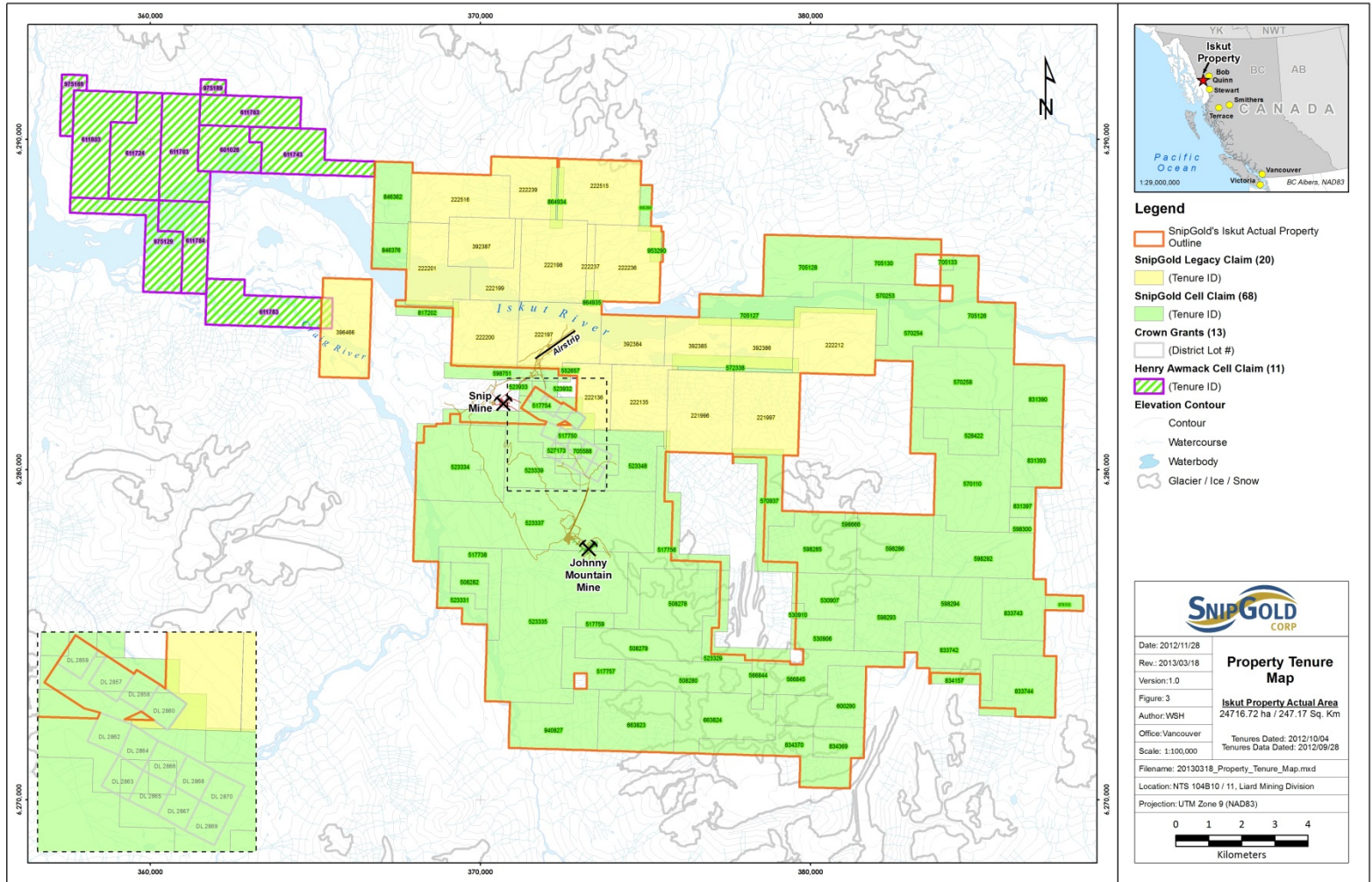


Figure 3: Property Tenure Map

Table 3: Mineral Tenure Table - Legacy Claims

Tenure Number	Tenure Name	Owner Number ⁽²⁾	Issue Date (dd-mmm-yy)	Expiry Date (dd-mmm-yy)	Area (ha)	Tenure Type
221996	HANDEL	142704	14-Jul-80	31-Dec-23	500	Legacy
221997	RAVEL	142704	14-Jul-80	31-Dec-23	500	Legacy
222135	CHOPIN I	142704	09-Sep-81	31-Dec-23	500	Legacy
222136	CHOPIN II	142704	09-Sep-81	31-Dec-23	300	Legacy
222212	WARATAH #7	142704	13-Sep-82	30-Nov-23	500	Legacy
392384	BUG 1	142704	13-Mar-02	31-Dec-23	300	Legacy
392385	BUG 2	142704	13-Mar-02	31-Dec-23	300	Legacy
392386	BUG 3	142704	13-Mar-02	31-Dec-23	300	Legacy
392387	SNIP NORTH	142704	13-Mar-02	31-Dec-23	400	Legacy
396466	PHIZ 1	142704	19-Sep-02	13-Mar-23	450	Legacy
222197	HEMLO WEST 12	257908	29-Sep-82	19-Sept-23	500	Legacy
222198	HEMLO WEST 13	257908	29-Sep-82	31-Dec-23	500	Legacy
222199	HEMLO WEST 14	257908	29-Sep-82	31-Dec-23	375	Legacy
222200	HEMLO WEST 15	257908	29-Sep-82	31-Dec-23	400	Legacy
222201	HEMLO WEST 16	257908	29-Sep-82	31-Dec-23	500	Legacy
222236	AURUM 3	257908	24-Nov-82	31-Dec-23	500	Legacy
222237	AURUM 4	257908	24-Nov-82	31-Dec-23	125	Legacy
222239	HEMLO WEST 18	257908	16-Dec-82	31-Dec-23	400	Legacy
222515	VER 1	257908	04-Dec-86	31-Dec-23	500	Legacy
222516	ISK 1	257908	04-Dec-86	31-Dec-23	450	Legacy
Total Area (ha) = 8,300						

Table 4: Mineral Tenure Table – Cell Claims

Tenure Number	Tenure Name ⁽¹⁾	Owner Number ⁽²⁾	Issue Date (dd-mmm-yy)	Expiry Date (dd-mmm-yy)	Area (ha) ⁽⁴⁾	Tenure Type
508278	jmx	142704	04-Mar-05	31-Dec-23	409.547	Cell
508279	jmx2	142704	04-Mar-05	31-Dec-23	356.247	Cell
508280	jmx3	142704	04-Mar-05	31-Dec-23	356.325	Cell
508282	jmx4	142704	04-Mar-05	31-Dec-23	124.635	Cell
517738	BURNIE2	142704	14-Jul-05	31-Dec-23	178.046	Cell
517750	BRONSON	142704(2)	14-Jul-05	31-Dec-23	409.107	Cell
517754	BRONSON2	142704(2)	14-Jul-05	31-Dec-23	106.692	Cell
517756	SKYFILL1	142704	14-Jul-05	31-Dec-23	427.192	Cell
517757	BURNIEADD	142704	14-Jul-05	31-Dec-23	195.970	Cell
517759	BURNIEADD1	142704	14-Jul-05	31-Dec-23	53.428	Cell
523329	HIGHADD	142704	01-Dec-05	31-Dec-23	178.100	Cell
523331	JEKYLLADD	142704	01-Dec-05	31-Dec-23	124.650	Cell
523334		142704	01-Dec-05	31-Dec-23	622.647	Cell
523335		142704	01-Dec-05	31-Dec-23	1,353.509	Cell
523337		142704	01-Dec-05	31-Dec-23	1,263.601	Cell
523339		142704	01-Dec-05	31-Dec-23	355.767	Cell
523348	SNIP 1	142704	02-Dec-05	31-Dec-23	284.618	Cell
523932	KATYADD	142704	15-Dec-05	31-Dec-23	17.780	Cell
523933	CGADD	142704	15-Dec-05	31-Dec-23	17.780	Cell
527173	CG1	142704	06-Feb-06	31-Dec-23	17.788	Cell
528422	KUT M	142704	16-Feb-06	31-Dec-23	284.541	Cell
530906	ST ANDREW 2	142704	31-Mar-06	31-Dec-23	178.103	Cell
530907	ST ANDREW 1	142704	31-Mar-06	31-Dec-23	249.275	Cell
530910	ST ANDREW 3	142704	31-Mar-06	31-Dec-23	17.807	Cell
552657	BRONSON SLOPE FRACTION	142704	24-Feb-07	1-Mar-23	17.779	Cell
566844	KHBER PASS 1	142704	27-Sep-07	31-Dec-23	106.892	Cell
566845	KHBER PASS 2	142704	27-Sep-07	31-Dec-23	320.668	Cell
570110	KUT ABC	142704	15-Nov-07	31-Dec-23	658.237	Cell
570253	ST ANDREW 1	142704	19-Nov-07	31-Dec-23	177.679	Cell

Tenure Number	Tenure Name ⁽¹⁾	Owner Number ⁽²⁾	Issue Date (dd-mmm-yy)	Expiry Date (dd-mmm-yy)	Area (ha) ⁽⁴⁾	Tenure Type
570254	ST ANDREW 2	142704	19-Nov-07	31-Dec-23	266.567	Cell
570258	ST ANDREW 3	142704	19-Nov-07	31-Dec-23	568.871	Cell
570937	INEL WEST 1	142704	28-Nov-07	31-Dec-23	284.689	Cell
572338	RIVER	142704	21-Dec-07	31-Dec-23	177.764	Cell
598285		142704	01-Feb-09	31-Dec-23	444.975	Cell
598286		142704	01-Feb-09	31-Dec-23	427.168	Cell
598292		142704	01-Feb-09	31-Dec-23	444.987	Cell
598293		142704	01-Feb-09	31-Dec-23	409.564	Cell
598294		142704	01-Feb-09	31-Dec-23	267.082	Cell
598300		142704	01-Feb-09	31-Dec-23	35.592	Cell
598666	RESURRECTION OF THE DEAD	142704	03-Feb-09	31-Dec-23	17.796	Cell
598751	SNIPPED	142704	05-Feb-09	31-Dec-23	160.006	Cell
600290	KHYBER PASS 3	142704	03-Mar-09	31-Dec-23	356.385	Cell
663823	KHYBER PASS 4	142704	02-Nov-09	31-Dec-23	427.745	Cell
663824	KHYBER PASS 5	142704	02-Nov-09	31-Dec-23	445.552	Cell
705126	SNIPPAKER-1	142704	01-Feb-10	31-Dec-23	444.218	Cell
705127	GOLD COUNTRY	142704	01-Feb-10	31-Dec-23	444.221	Cell
705128	FINAL APPROACH	142704	01-Feb-10	31-Dec-23	444.082	Cell
705130	DESCENT	142704	01-Feb-10	31-Dec-23	301.960	Cell
705133	BLOCK	142704	01-Feb-10	31-Dec-23	17.763	Cell
705588	FLATS	142704	05-Feb-10	31-Dec-23	17.788	Cell
817202	ISKUT GOLD	142704	12-Jul-10	31-Dec-23	88.853	Cell
831390	ST ANDREW 5	142704	12-Aug-10	31-Dec-23	284.466	Cell
831393	ST ANDREW 5	142704	12-Aug-10	31-Dec-23	284.592	Cell
831397	ST ANDREW 7	142704	12-Aug-10	31-Dec-23	71.171	Cell
833742	NEW SNIP 1	142704	16-Sep-10	31-Dec-23	445.292	Cell
833743	NEW SNIP 2	142704	16-Sep-10	31-Dec-23	356.129	Cell
833744	NEW SNIP 3	142704	16-Sep-10	31-Dec-23	374.142	Cell
834157	NEW SNIP 4	142704	23-Sep-10	31-Dec-23	71.261	Cell
834369	NEW SNIP 5	142704	27-Sep-10	31-Dec-23	142.600	Cell
834370	NEW SNIP 5	142704	27-Sep-10	31-Dec-23	356.535	Cell
846362	TRIANGLE NORTH	142704	13-Feb-11	31-Dec-23	213.070	Cell

Tenure Number	Tenure Name ⁽¹⁾	Owner Number ⁽²⁾	Issue Date (dd-mmm-yy)	Expiry Date (dd-mmm-yy)	Area (ha) ⁽⁴⁾	Tenure Type
846376	TN2	142704	13-Feb-11	31-Dec-23	159.860	Cell
864934	HEMLO WEST 19	248423	06-Jul-11	31-Dec-23	71.020	Cell
864935	AURUM 5	248423	06-Jul-11	31-Dec-23	17.770	Cell
940827	BURNIE 1	142704	12-Jan-12	12-Jan-23	409.93	Cell
953290	AURUM 6	142704	28-Feb-12	28-Feb-23	35.52	Cell
979312	GLENCROSS	142704	11-Apr-12	11-Apr-23	53.42	Cell
995289	AURUM EAST	142704	8-Jun-12	8-Jun-23	53.27	Cell
Total Area (ha) = 18,758.08						

Table 5: Mineral Tenure Table – Crown Grants

Tenure Number	Tenure Name	Owner Number ⁽²⁾	Expiry Date (dd-mmm-yy) ⁽³⁾	Area (ha)	Tenure Type
DL 2857	RED BLUFF	142704	02-Jul-13	20.902	Crown Grant
DL 2858	HOMESTAKE	142704	02-Jul-13	17.276	Crown Grant
DL 2859	RED BIRD	142704	02-Jul-13	17.240	Crown Grant
DL 2860	MERMAID	142704	02-Jul-13	20.315	Crown Grant
DL 2862	EL ORO	142704	02-Jul-13	20.902	Crown Grant
DL 2863	SILVER KING	142704	02-Jul-13	18.838	Crown Grant
DL 2864	GOLDEN PHEASANT	142704	02-Jul-13	18.899	Crown Grant
DL 2865	BROWN BEAR	142704	02-Jul-13	20.700	Crown Grant
DL 2866	ISKOOT	142704	02-Jul-13	20.700	Crown Grant
DL 2867	SILVER DOLLAR	142704	02-Jul-13	19.546	Crown Grant
DL 2868	MARGURITTE	142704	02-Jul-13	19.749	Crown Grant
DL 2869	BLUE GROUSE	142704	02-Jul-13	20.898	Crown Grant
DL 2870	COPPER QUEEN	142704	02-Jul-13	20.898	Crown Grant
Total Area (ha) = 256.863					

Notes to tables:

- (1) Cell Tenure Names are assigned by the owner at the time of acquisition for the owner's convenience only. These names are neither unique nor necessary for the administration of the tenure.
- (2) SnipGold Corp. = Owner Number 142704; a portion of tenure numbers 517750 and 517754 is underlain by surveyed lot BLOCK A of DISTRICT LOT 7018, currently the SNIP 2 MINING LEASE; a 3.5% NSR is owed to Barrick Gold Corporation on mineral products produced from BLOCK A. The Royalty can be reduced to 3% by the payment of \$500,000.
- (3) Hattrick Resources Ltd. = Owner Number 257908; Hattrick, a wholly owned subsidiary of SnipGold, has acquired a 95% ownership of the tenures from the Iskut Joint Venture, a joint venture comprising Golden Band Resources Inc. (Owner number 248423 - 52.5%) and American Bonanza Gold Corporation (47.5%). An existing 2% net smelter return royalty on production from the joint venture property will continue.
- (4) In the case of Crown Granted tenures, annual taxes are due on the indicated date or the next business day.
- (5) In the case of cell claims, the full nominal area is listed of the cells upon which the system is based. The actual area to which exploration rights are held may be less than the nominal areas shown due to overlaps with previously existing legacy tenures. The area is reported in BC Albers units.

3. ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY

3.1 Topography, Elevations and Vegetation

Elevations on the property range from 71.5m, the elevation of the Iskut River where it flows westerly off the northwestern edge of the property, to 2,372.5m, the height of Kalahin Mountain located at the southern edge of the property in the divide between the Jekyll River and Snippaker Creek drainages (refer to Figure 4).

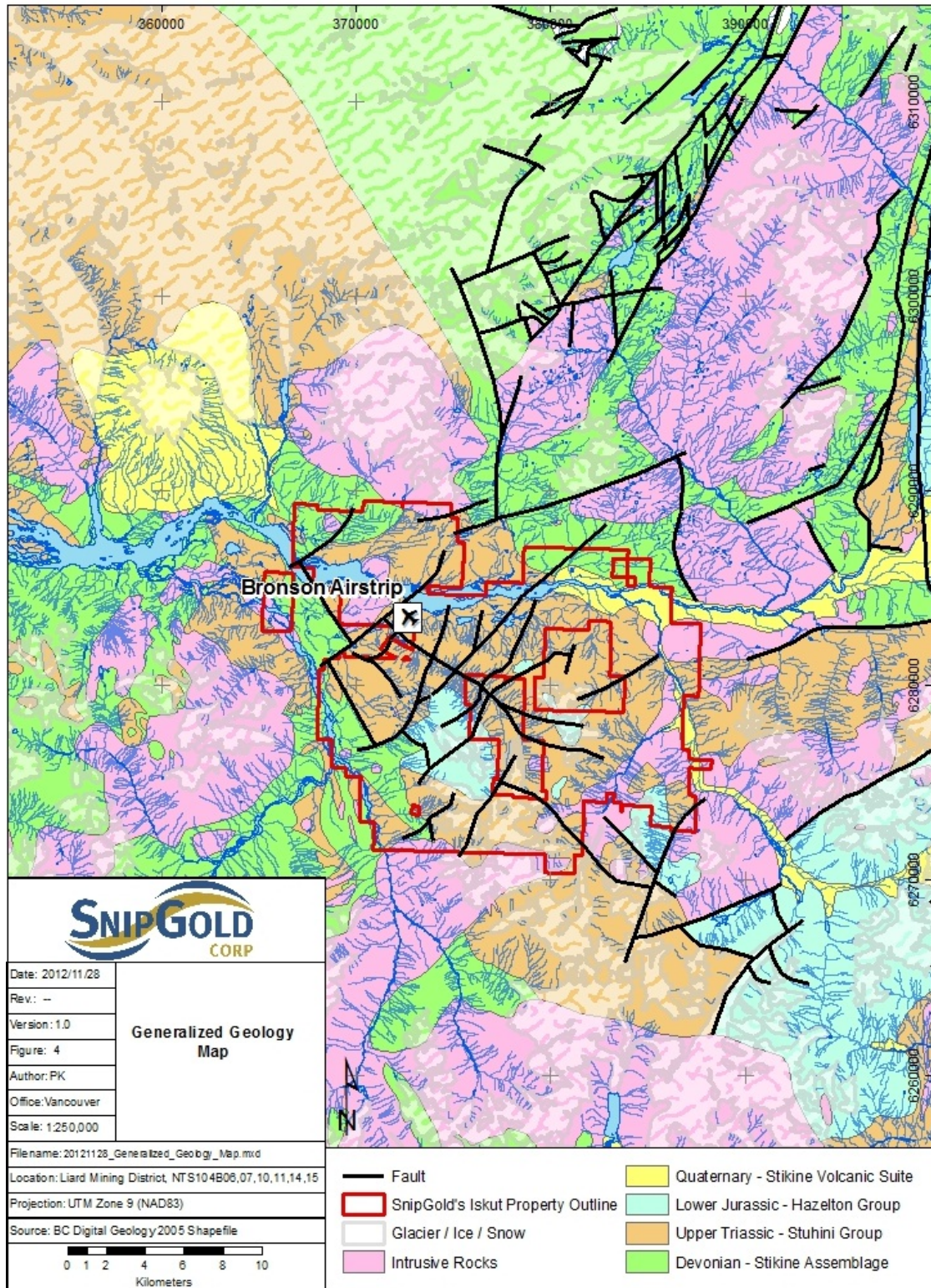


Figure 4: Generalized Geology Map

The property lies in the Boundary Ranges of the northern Coast Mountains. Topography is generally very steep with v-shaped valleys forming in all but the very largest drainages. The largest drainages, Iskut River and Craig River, have alluvium filled, flat bottomed valleys. In addition, the Iskut River valley is filled with Quaternary basalt flows from the east, as well as flows from the south down Snippaker Creek, to a point approximately 6 km west of the eastern boundary of the property. Numerous alpine glaciers occur at higher elevations on the southern part of the property.

Vegetation comprises dense stands of Coastal Hemlock, Western Hemlock and Sitka Spruce at lower elevations up to approximately 1,000m of elevation. Stands of alpine hemlock and balsam are common in the transitional zone between forest and alpine tundra. The dominant species in the alpine tundra are Alaskan Moss Heather and Cream Mountain Heather. Lichens and mosses survive on higher rocky slopes.

Trees do not survive on many steeper slopes due to snow movement during the winter. Slide alder, salmonberry and tall ferns survive in these areas. Tall stands of Black Cottonwood (?) occur on the alluvial fans and banks of larger creeks and rivers.

3.2 Access and Accommodation

The property is a fly-in property, accessible mainly by helicopter or fixed wing aircraft. Access to the property is via either of two airstrips on the property.

- The Bronson airstrip is well graded, gravel surfaced, 1500 m long aerodrome located near the centre of the property at approximately 95 m in elevation.
- The Johnny Mountain airstrip is a steeply graded, glacial till surfaced, 1420 m long aerodrome located in the southwestern part of the property at approximately 1075 m elevation. The Johnny Mountain airstrip was constructed with two noticeable bends in order to fit the existing topography.

Both airstrips have been used in the past for landing fully loaded C-130 Hercules aircraft; however, due to crosswinds, Hercules will not take off from the Johnny Mountain airstrip bearing a full load. The two airstrips are joined by a 10 kilometre long road that requires annual maintenance in order to remain serviceable.

Air support is available from Smithers, B.C., Terrace, B.C. or Wrangell, Alaska. Larger airlifts can be arranged from the Bob Quinn airstrip, located 65 km northeast of the Iskut property on the Cassiar Stewart Highway (#37). NT Air has also been contracted to fly directly from the South Terminal of Vancouver Airport directly to the Bronson Strip. A refueling stop at Smithers is often needed on the Vancouver-Bronson flight. No services are available at Bob Quinn.

Additionally, there is a 30 kilometre long gravel road running easterly on the south side of the Iskut River to the Eskay Creek road that can be utilized at certain times of the year after meeting permitting requirements. During the summer of 2012 this road has been extended for a considerable distance by development carried out by Alta Gas in conjunction with the work on the Run Of River power development along the Iskut River. This all season road is now within 2.8 km of the Northeast boundary of the property.

It is possible to access the property by light boats from Wrangell, Alaska via the Stikine and Iskut Rivers; however, the trip by boat would have to be considered adventurous. Cominco Ltd. utilized a hovercraft to navigate the Stikine and Iskut Rivers during their operations of the Snip Gold Mine operations in the 1990's; however, use of the hovercraft was discontinued due to high operating costs.

Several large storage buildings remain from the Snip mining operation that have been assigned to SnipGold; one of which is used to house SnipGold's heavy surface construction equipment when it is not in use. The other large building is used for warehouse type storage. Wood framed core logging; core cutting and office buildings belonging to SnipGold are also located at the Bronson airstrip.

Accommodation is in a seasonal tent frame exploration camp located at the south end of the Bronson airstrip. During June 2012, SnipGold Corp. contracted UTM Exploration Services Ltd. from Smithers, British Columbia to construct and operate SnipGold's exploration camp, with UTM providing cooking, cleaning and maintenance staff, as well as minor field staff on an as needed basis. Construction of the camp started on June 13, 2012 and was completed June 20, 2012. A total of 17 prospector type tents supported with aluminum frames were erected. All tents were 14 x 16 feet in size except for the kitchen/dining and office tents and included: 9 sleeping tents, 1 first aid tent, 2 wash tents, 1 dry or mud tent, 1 recreational tent, and 1 food storage tent. The kitchen/dining tent was 20 x 32 feet in size and was surrounded by an elevated wooden deck and the office tent was 16x20 feet in size to accommodate multi-use purposes. Approximately 25 personnel could comfortably live in the camp, with the camp averaging approximately 15 personnel throughout the season. All tents were heated using Geo-stoves run on diesel fuel. UTM also supplied the camp generators and satellite systems. Grey-water from camp was drained across the roadway west of camp to a buried plastic tank acting as a grease trap, which then drained grey-water to a buried drain field. Three large privies were constructed on the west side of the camp, utilizing large, upright, perforated galvanized steel culverts as waste collection vaults. The camp was decommissioned over a period of 5 days in late August; with tents, stoves, and kitchen equipment flown off site and returned to UTM in Smithers. Tent floors, electrical and water system were stored on site within SnipGold's secured warehouses. The final demobilization of crew took place on August 26, 2012.

3.3 Climate

The property is located approximately 80 km inland from the mouth of the Stikine River, which empties into the Pacific Ocean. Although Pacific weather disturbances greatly influence the weather patterns at the site, temperatures are generally cooler than those of the northern coastal climate.

The site is characterized by moderately low annual mean temperatures, ranging from 0.0 to 1.0 °C. Maximum mean daily temperatures of about 9 °C are reached in mid-August, with minimums of -6 °C occurring in late January. Extremes recorded at the site of -39.7 °C and 28.0 °C show the typical large fluctuations in ambient temperatures associated with the area.

As a result of its location in the Coast Mountain Range, mean annual precipitation levels of between 2000 mm and 2600 mm at the site are among the highest in British

Columbia. Precipitation falls primarily from September through May with intense rain storms in September and October. At higher elevations approximately 55 % of the precipitation falls as snow which is present until mid to late July. Between 24 m and 30 m of snow can fall at uppermost elevations over the winter season; however, high, sustained winds blow most of the snow off the high country commonly leaving accumulations of 5 to 6 m.

3.4 Mining Suitability

Although the property is quite mountainous, sufficient space is available near the Bronson airstrip on which a processing plant and waste rock/tailings storage could be situated. Water is present in large quantities. Currently the camp is located approximately 20 km from the nearest resource access road; however, the potential connecting road route lies entirely beside the Iskut River, which has a flat bottomed valley due to having been filled with Quaternary basaltic volcanic flows. Road access has been extended by Alta Gas to within 2.8 km of the Northeastern property boundary in 2012.

A large force of underemployed miners, tradesmen and labourers exists in central and northern B.C.

At the present time electrical power at the property is supplied by diesel electric generators; however, Alta Gas is constructing a large run-of-river hydro-electric generating utility on the Iskut River located 20 km east of the Bronson airstrip. BC Hydro is also constructing a high voltage electrical power line to Bob Quinn to allow the Alta Gas utility to deliver power to the continental power grid via a dedicated line.

4. HISTORY

4.1 Exploration and Mining History

During 1907, a prospecting party from Wrangell, Alaska recorded claims on Bronson Creek. These claims were later Crown Granted and remain in existence today. In the period 1911 to 1920 the Iskut Mining Company reported drifting, trenching and stripping a number of gold bearing veins on the Red Bluff and Iskut claims on the northeastern portion of the property.

From 1954 to 1960 Hudson Bay Mining and Smelting Co. Ltd. completed exploration drilling resulting in the discovery of copper prospects at the location of what later became the Johnny Mountain Gold Mine (see below). In 1964, Cominco Ltd. optioned claims from Tuxi Mining Company and Jodi Explorations Ltd. and in 1965 completed drilling on the Red Bluff claim for its copper content. In 1973 and 1974 the property was examined by Texas Gulf Sulphur Inc. for its copper and base metal content.

In 1980 Sklyine re-staked the claims and initiated exploration on the Pickaxe Vein and adjacent area to define its gold potential. In 1981, the Discovery Vein was discovered and subsequent drilling was completed. In 1982 Skyline continued drilling the Discovery Vein and other targets resulting in the discovery of a high grade gold vein known as the 16 Vein.

In late 1982, Skyline entered into an agreement with Placer Development Ltd. to explore the property. Placer in turn entered into a joint venture with Anaconda Canada Exploration Ltd. and the joint venture completed exploration during 1983 and 1984.

In late 1984, Skyline completed deep drilling on the 16 Vein and established depth continuity to this gold bearing quartz sulphide vein. From 1985 to 1988 Skyline continued surface and underground exploration and development on the several veins that comprise the Stonehouse Gold Deposit.

In August 1988, the Johnny Mountain Gold Mine commenced production. Operations were suspended due to exhaustion of reserves at the end of September 1990. The mine was restarted in 1993 for three months. The total metals produced (BC Minfile – Johnny Mountain) from 227,247 tonnes of material milled were 2,815kg of gold (90,517 ounces), 4,349kg of silver (139,818 ounces) and 1,008,919kg of copper (2,222,500 pounds) for total revenue of approximately \$45 million. Gold recovery averaged 86.4%.

Androne Resources Ltd. (later Pezgold Resources Ltd.) performed exploration programs in 1987 and 1988 on a block of claims to the south of the mine optioned from Skyline. Work comprised geochemistry, prospecting, trenching and geologic mapping. A number of anomalous areas in gold were discovered. Androne did not complete its commitments and the property returned to Skyline.

Tungco Resources Ltd. performed exploration programs during the period 1987 to 1990 on a property optioned from Skyline known as the Waratah Property, (now the Bug Lakes Property). Tungco completed its commitments and 100% of the property vested in Tungco, with a 1% Net Smelter Royalty left to Skyline. Tungco later allowed most of the property to forfeit, then restaked the original property at a later date. Skyline has subsequently re-acquired the property by outright purchase.

Additionally, Skyline completed large geochemical, geophysical and prospecting programs during 1988, 1989 and 1990 between the mine and the northern and northeastern portion of the claims. These programs resulted in reconnaissance diamond drilling of numerous promising gold targets as well as directed drilling of the Road Show gold vein in 1988, the Bronson Slope copper, gold porphyry target in 1988, the CE Contact stockwork hosted gold vein target in 1989 and 1990 and the C-3 shear hosted gold prospect in 1990. Several million dollars of flow through exploration funds were spent on these programs.

Skyline also completed exploration programs on behalf of Placer Dome Inc. in 1990 and 1991 on an optioned block of claims on the northeastern portion of the property known as the Bronson Creek Project. Placer was exploring for the southeastern extension of the formerly producing Snip Gold Mine that adjoins the northern boundary of the Iskut Property. In excess of one million dollars was spent on geophysical, geochemical, trenching, prospecting, geologic mapping and diamond drilling programs.

During 1991, Adrian Resources Ltd. performed exploration work on the northwest portion of the claims under an earn-in option agreement. The work comprised geophysics, geochemistry, prospecting, geologic mapping, trenching and diamond drilling. Numerous targets were identified and the SMC Zone, thought to be a gold and

base metal, shear hosted deposit, received the bulk of the drilling. Expenditures were reported to be 1.3 million dollars.

At the same time, during 1990 and 1991, Skyline was performing prospecting, geologic mapping, trenching and drilling on shear hosted gold targets on the Burnie claims to the south of the Adrian work. This work was based on the earlier work by Androne/Pezgold and discovered numerous interesting targets.

In 1993, Skyline signed an exploration agreement with Cominco Ltd. in which Cominco performed exploration on a portion of the northeast area of the property. Cominco's interest was in finding a deposit similar to the Twin Zone of the Snip Gold Mine. During the period 1993 to 1995, Cominco spent approximately \$1.4 million on geologic mapping and diamond drilling.

Skyline performed a limited program of Induced Polarization and diamond drilling on the Red Bluff (Bronson Slope) gold, copper porphyry system in 1993. This led to an extensive program of advanced exploration and feasibility study during the period 1994 to 1997. Field work was stopped in 1998 due to declining metal prices and loss of investor confidence in capital markets due to the Bre-X scandal.

In 1999, Skyline reached an agreement with Homestake Canada Inc. whereby Skyline was given controlled access to the Snip Mine workings to perform underground exploration on an area of Skyline's ground immediately adjacent to the Snip workings. Homestake would act as mining and drilling contractor to Skyline to perform the work, and a revenue sharing agreement was agreed upon should Homestake elect to participate in the mining and milling of any ore developed on the claim. Homestake retained a production royalty on the ground from an earlier agreement. Financing for the work was provided by Royal Gold, Inc. of Denver Colorado in exchange for a royalty on any gold produced from the property. The cost of the program was \$CDN300,000.

During the period 1999 to 2003, Skyline's activities on the property comprised a number of small reclamation programs as well as an examination of the tailings at the Johnny Mountain Gold Mine for their gold content and the recoverability of the gold.

Skyline became an active explorer again starting in 2006. The Bronson Slope copper, gold porphyry deposit (Red Bluff porphyry stock) was extensively explored during the period 2006 to 2009, terminating in a positive Preliminary Technical Assessment report, dated November 2010, outlining Measured and Indicated resource of 2.2 million ounces of gold.

Exploration drilling on the CE Contact Zone, first discovered by soil sampling, trenching and drilling during 1989, was performed during 2009 and 2010. Interesting gold and base metal grades were intersected by the drilling, in a shear and fracture hosted stockwork of narrow quartz, carbonate and/or pyrite veins that also contained copper, zinc and lead grades of interest.

Skyline was again active in 2011, with an aggressive exploration program of geological mapping, hand trenching and sampling, geochemical soil/rock sampling, airborne magnetic and electromagnetic surveys, drilling and down hole geophysics (Yeager,

2012). Exploration work in 2011 was focused on drilling and trenching along the Snip-Bronson Trend and geochemical sampling in the Bug Lake area.

5. GEOLOGICAL SETTING

5.1 Regional Geology

Parts of the following discussion are taken from RHYS, D.A. 1995. The Red Bluff gold-copper porphyry and associated precious and base metal veins, northwestern British Columbia, in Porphyry Deposits of the Northwestern Cordillera of North America; Canadian Institute of Mining, Metallurgy and Petroleum, Special Volume 46, Schroeter, T.G. editor, p. 838 - 850.

The Iskut River region is within the Intermontane Belt on the western margin of the Stikine terrane. Three distinct stratigraphic elements are recognized in the western portion of the area (Anderson, 1989):

- Upper Paleozoic schists, argillites, coralline limestone and volcanic rocks of the **Stikine Assemblage**,
- Triassic **Stuhini Group** volcanic and sedimentary arc related strata, and
- Lower to Middle Jurassic **Hazelton Group** volcanic and sedimentary arc related strata.

Very little detailed mapping within these three stratigraphic elements has been performed. With the exception of mapping in proximity to important economic mineral occurrences, most of the formations have not been named, and none of them have been measured in detail. The volcanic and sedimentary arc related strata are extremely variable in both composition and extent; and all three of the major elements, in places, contain identical to similar strata.

Age relationships are determined by:

- Comparison to cospatial and coeval intrusive rocks, for which the body of age data is growing steadily,
- Scant fossil occurrences,
- Readily identifiable unconformities where exposed, and
- A general sense of the degree of widespread structural overprinting.

Intrusive rocks in the Iskut River region comprise five plutonic suites:

- The **Stikine plutonic suite** comprises Late Triassic calc-alkaline intrusions which are coeval with Stuhini Group strata.
- The **Copper Mountain, Texas Creek** and **Three Sisters** plutonic suites are variable in composition but are roughly coeval and cospatial with Hazelton Group volcanic strata.

- Tertiary elements of the **Coast Plutonic Complex** are represented by predominantly granodioritic to monzonitic Eocene intrusions of the Hyder plutonic suite, exposed 12 kilometres south of the Bronson area (Britton et al., 1990).

The age, mineralogy and texture of the Red Bluff porphyry stock (associated with the Snip gold deposit and the Bronson Slope porphyry gold, copper deposit), suggest that it belongs to the metallogenetically important Early Jurassic Texas Creek plutonic suite (Alldrick, 1985; Alldrick et al, 1987; Brown, 1987). Plutons of this suite are widespread in the Stewart, Iskut River region and range in age from 196 to 185 million years (Anderson, 1993; MacDonald et al., 1992). The Bronson Stock, lying north of the Red Bluff Stock and bisected by the Iskut River, is also of a similar age.

5.2 Property Geology

5.2.1. North of the Iskut River

The most recent compilation of the mapping north of the Iskut River is presented in the following publications.

- MIHALYNUK, M.G., LOGAN, J.M. AND ZAGOREVSKI, A. AND JOYCE, N. (2011): Geology and Mineralization of the Hoodoo Mountain Area (NTS 104B/14E); BC Ministry of Energy, Mines and Petroleum Resources, Paper 2011-1, pages 37-64, and its companion map,
- MIHALYNUK, M.G., LOGAN, J.M. AND ZAGOREVSKI, A. (2011): East Hoodoo Mountain – Iskut River Geology (NTS 104B/14E, 11NE); BC Ministry of Energy and Mines, Open File 2011-4, 1:50,000 scale map.

5.2.2. South of the Iskut River

The most recent published mapping south of the Iskut River is presented in the following publications.

- ALLDRICK, D.J., BRITTON, J.M., MACLEAN, M.E., HANCOCK, K.D., FLETCHER, B.A., and GIEBERT, S.N. 1990. Geology and Mineral Deposits – Snippaker Area. B.C. Ministry of Energy, Mines and Petroleum Resources Open File Map 1990-16.
- BRITTON, J.M., FLETCHER, B.A. and ALLDRICK, D.J. 1990. Snippaker Map Area (104B/6E, 7W, 11E); BC Ministry of Energy, Mines and Petroleum Resources, Paper 1990-1, pages 115-126.
- FLETCHER, B.A., and HIEBERT, S.N. 1990. Geology of the Johnny Mountain Area. B.C. Ministry of Energy, Mines and Petroleum Resources Open File Map 1990-19.
- LEFEBURE, D., and GUNNING, M. 1989. Geology of the Bronson Creek Area. B.C. Ministry of Energy, Mines and Petroleum Resources Open File Map 1989-28.
- METCALFE, P. and MOORES, J.G. 1993. Refinement and Local Correlation of the Upper Snippaker Ridge Section, Iskut River Area, B.C. (104B/10W and

11E), BC Ministry of Energy, Mines and Petroleum Resources, Paper 1993-1, pages 335-340.

A slight difference can be seen when comparing mapping by Mihalynuk et al in 2010 with mapping by Britton et al in 1990. Mihalynuk's mapping lists the rocks forming the core of the Snip-Johnny Mountain geologic trend as Paleozoic to Triassic undivided metamorphosed Stikine Assemblage and Stuhini Group; whereas Britton et al list the rocks as unequivocally Upper Triassic Stuhini Group.

Skyline mapping during 1990 (Metcalf) indicates that the rocks immediately beneath the Jurassic/Triassic regional unconformity near the Johnny Mountain mine are certainly Stuhini Group. However, at the much lower elevations to the north at the base of the Johnny Mountain massif, there is a possibility of Stikine Assemblage rocks being found. There is a noticeable apparent difference, on the 1:10,000 scale 1990 geologic compilation map by Skyline, between the rocks mapped by Adrian Resources Ltd. geologists on the Craig River property option, and the rocks mapped by Skyline geologists on the rest of the property to the south, and therefore at higher elevations. The Adrian mapping comprises primarily andesitic and lesser rhyolitic rocks with minor wackes; whereas, the Skyline mapping, beneath the Jurassic/Triassic unconformity, comprises primarily wackes and mudstones with lesser dacitic volcanic rocks. The apparent difference could be due to a possible contact between Stuhini Group rocks at higher elevations to the south, and Stikine Assemblage rocks at lower elevations to the north.

Skyline mapping during 1990 (Metcalf, personal communication) discovered what appears to be one limb of an upright fold paralleling the Craig River on the western flank of the Johnny Mountain massif. The rocks associated with this potential fold are marked by a significant degree of structural deformation, and could also be Stikine Assemblage rocks.

The rocks above the Jurassic/Triassic unconformity appear to be unequivocally lower Jurassic Hazelton Group, which would include an important section equivalent in age and lithology to the stratigraphy hosting the Eskay Creek precious metals VMS deposit which is located 40km to the east.

6. DRILLING

No Limit Diamond Drilling Ltd. of Salmon Arm, BC was contracted to perform the 2012 drilling program. Tree falling and pad building services were provided by TNES of Smithers, BC as well as UTM Exploration Services Ltd. of Smithers, BC.

Figure 6 below lists the summary drill hole data and drill hole locations.

Table 6: 2012 Drill Hole Summary

Drill Hole Name	UTM, Zone 9 (Nad83)			Dip	Azimuth	Date	Date	Depth (m)	Core Diameter	# Samples	# QA/QC Samples	# QA/QC Blanks	# QA/QC Duplicates
	X	Y	Elev. (m)			Started	Completed						
SG12-22	371869	6275700	1020	-60	210	12-Jul-12	15-Jul-12	220	HQ	85	5	1	1
SG12-23	371845	6276699	995	-55	15	15-Jul-12	19-Jul-12	250	HQ	96	6	1	1
SG12-24	373049	6279530	1065	-60	20	20-Jul-12	23-Jul-12	327	HQ	123	8	1	1
SG12-25	370246	6277725	450	-50	32	25-Jul-12	27-Jul-12	225	HQ	98	6	1	1
SG12-26	370047	6278066	389	-65	30	28-Jul-12	31-Jul-12	200	HQ	84	5	1	1
SG12-27	369399	6279298	253	-50	210	01-Aug-12	03-Aug-12	297	HQ	99	6	1	1
SG12-28	368908	6287408	146	-50	26	04-Aug-12	08-Aug-12	224	HQ	94	7	1	1
SG12-29	373232	6280912	637	-84	31.5	09-Aug-12	14-Aug-12	507	NQ	184	13	2	2
SG12-30	371714	6280700	948	-55	30	14-Aug-12	17-Aug-12	187	NQ	72	5	1	1

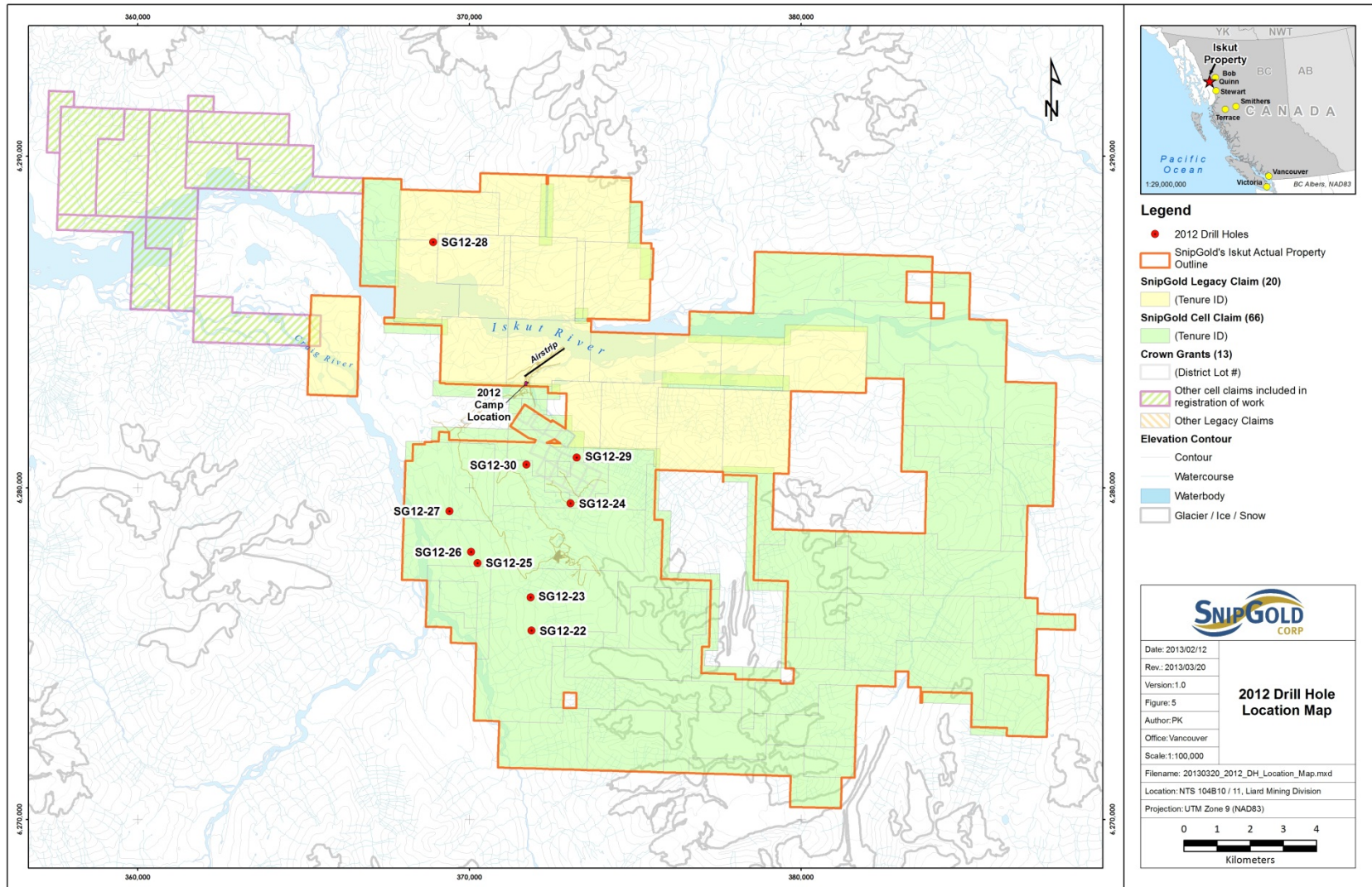


Figure 5: 2012 Drill Hole Location Map

6.1 Drill Core Handling and Sampling Method

- (1) Core orientation was marked by the drillers at the drill using the CorientR, a patent-pending core orientation system developed by Fordia.
- (2) Core was placed in wooden core boxes and depths of core runs were marked on plastic marker blocks using permanent markers. Full core boxes were delivered by helicopter to the core logging building at the end of each shift, or sooner if required by the geological staff in charge of the drilling.
- (3) Downhole surveys were obtained using a Reflex Gyro instrument.
- (4) The core was oriented, based on the drillers' marks, by geotechnical staff trained in the technique. The geotechnical staff embossed on metal tags the information identifying each box and the depths of core enclosed. The embossed metal tags were permanently attached to the end of each box using metal staples.
- (5) The core was logged geologically, after which sample intervals were laid out by the geologist and marked on three part Tyvek tags. One part remained in the permanent drill hole record, and the other two parts were stapled into the core box at the uphole boundaries of the sample intervals.
- (6) Sample lengths were determined based on the concentration and style of visible mineralization and alteration. Intervals were designed to encompass zones of strong sulphide mineralization and attempts were made to begin a new sample where mineralization appeared to lessen into the wall rock so as not to potentially dilute any higher grade sample. Lengths of these samples ranged from 0.5 m for narrow zones up to a maximum of approximately 3.0 m. Sample intervals in well mineralized intervals were typically taken in lengths under 2.0 m. Weakly mineralized sections were typically sampled with intervals between 2.0 m to 3.0 m
- (7) Each drill hole was entirely sampled.
- (8) The insertion of QA/QC standards and blanks, as well as duplicate samples, was inserted into the regular samples at intervals specified in the Control Sample Matrix. The actual insertion of Control Samples took place when the core was sampled by the cutting crew.
- (9) After logging was complete, the core was moved to the core cutting building where it was sampled by halving longitudinally by saw cutting using a diamond impregnated saw blade. Care was taken to ensure that the core was cut in a consistent manner relative to the core orientation marks. The "low-side" of the hole was to remain central in the half core remaining in the core box. The unmarked half of the core was placed in 12 mil poly sample bags along with one segment of the numbered Tyvek sample booklet. The bags were marked with the same number using permanent marker and the filled sample bags were secured using locking plastic cable ties (zip strips). The marked half of the core was placed back in the core box.
- (10) Hole locations were surveyed using a Topcon GPS receiver, said to deliver readings accurate within centimeters.

6.2 Drill Core Sample Shipping

- Sample bags were placed in poly woven sacks for shipping.
- The filled sacks were weighed, using a shipping platform scale, and averaged 22.7 kg in weight (50 lbs). This was considered the maximum weight that an individual could lift and place repetitively but safely.
- The weights of the sacks were recorded on the sample shipment forms and chain of custody records, allowing the ability to maximize the loads of whatever aircraft was used for flying the samples out of camp as well as maintaining records for comparison with receiving records of secondary shippers and the sample preparation lab.
- The sacks were sealed using U-LINE brand, uniquely numbered, printed, plastic security seals that were cross-checked with the laboratory upon receipt.

6.3 Program Objectives

Overall objectives of the 2012 drill program were threefold:

- (1) The first objective was to test a number of conductive exploration targets in areas identified as favourable for high-grade Snip-style gold mineralization.
- (2) The second, utilizing oriented core studies, was to gain an understanding of the structural geology of the target regions,
- (3) The third objective was to identify any alteration styles that were indicative of the presence or proximity of hydrothermal fluids.

All drill logs can be found in Appendix IV.

6.4 DDH SG12-22 Results

SG12-22 was the first hole drilled in 2012. Located at the south end of the Burnie Trend, this hole was targeted to test a near surface, steeply dipping modeled conductive plate.

The 220 m drill hole intersected interbedded sequences of mudstone (argillite) and siltstone exhibiting widespread shearing and deformation features and up to 15% sulphide mineralization comprised predominantly of pyrrhotite +/- pyrite.

Table 7: Geologically Significant Intersections from SG12-22

Hole-ID	From (m)	To (m)	Length (m)	Au (g/t)	Ag (g/t)	Elevated Metals and Alteration
SG12-22	4.00	8.50	4.50	0.394	1.3	Au, weak biotite, elevated Po

6.5 DDH SG12-23 Results

SG12-23 was drilled to test a near surface conductive plate modeled to be dipping steeply to the south, in the C-1 Area that historically had produced high gold values from rock and soil samples.

The 250 m drill hole intersected a series of interbedded sediments and volcanic sequences cut by intermediate and mafic intrusives. Graphitic mudstone horizons with increased sulphide content are believed to explain the targeted conductor.

No significant intersections of mineralization were encountered.

6.6 DDH SG12-24 Results

SG12-24 was drilled to test the intersection of two conductive plates modeled to be steeply dipping towards the south. This was the first of two holes drilled in the Johnny Flats area, testing the more eastern extent of the conductive trend.

The 327 m drill hole intersected a pyrrhotite-rich mudstone unit near surface, transitioning to more interbedded sediments and volcanic sequences with increased alteration down hole.

Table 8: Geologically Significant Intersections from SG12-24

Hole-ID	From (m)	To (m)	Length (m)	Au (g/t)	Ag (g/t)	Elevated Metals and Alteration
SG12-24	8.75	25.00	16.25	0.014	1.4	Elev Zn As Cd +Po%, limited alteration
SG12-24	30.50	88.30	57.80	0.013	1.2	Elev Zn, Spotty elev As and Cd, Local strong Calcite Alteration
SG12-24	115.95	122.45	6.50	1.696	17.7	Weak Zn Ag, Bio and Chlorite Alteration
<i>incl</i>	<i>120.34</i>	<i>122.45</i>	<i>2.11</i>	<i>4.96</i>	<i>30.4</i>	SpottyModerateBio, Weak Chlorite Altn
SG12-24	133.94	167.65	33.71	0.080	2.4	High As, Moderate Calcite and Biotite Alteration
SG12-24	208.95	233.95	15.00	0.062	1.9	Weak Au, Moderate Calcite and Biotite Alteration
SG12-24	276.70	293.70	17.00	0.096	11.6	Elevated As, Moderate Calcite and Biotite Altn
<i>incl</i>	<i>276.70</i>	<i>278.70</i>	<i>2.00</i>	<i>0.713</i>	<i>88.3</i>	Ag As Zn Bi +Py% Elevated As, Moderate Calcite and Biotite Altn

6.7 DDH SG12-25 Results

SG12-25 was drilled to test a modeled conductive plate along the Burnie Trend, a distance 2.5 km to the northwest of SG12-22. Located approximately mid-way along the Burnie Trend, this hole was targeted to test a near surface steeply dipping modeled conductive plate.

The 225m drill hole intersected interbedded and variably altered andesitic volcanics and sediments with quartz-calcite flooded zones, underlain by a succession of carbonaceous mudstones enriched in pyrite-pyrrhotite mineralization and interbedded with volcanics. A variable to strong shear fabric and deformed bedding exists throughout the hole, along with locally concentrated quartz veining. Clay-rich fault gouge zones intersected throughout the hole are believed to explain the strong conductor at this location.

Table 9: Geologically Significant Intersections from SG12-25

Hole-ID	From (m)	To (m)	Length (m)	Au (g/t)	Ag (g/t)	Elevated Metals and Alteration
SG12-25	7.50	12.00	4.50	2.062	23.7	Local elevated As, Strong Sericite moderate biotite alteration
<i>incl</i>	<i>7.50</i>	<i>9.00</i>	<i>1.50</i>	<i>5.660</i>	<i>64.9</i>	Ag As Pb Zn, Strong Sericite moderate biotite alteration
SG12-25	73.03	74.55	1.52	0.146	0.3	Strong Qz Flooding and Chlorite Alteration (60Qz5Per 40Cl5Per)
SG12-25	84.00	97.00	13.00	0.006	1.9	Elevated As, Extensive Mod Biotite Alteration, weak Chlorite Altn
SG12-25	118.48	130.15	11.67	0.121	1.3	Intense Calcite Altn, Strong Chlorite Altn, low sulphide content

6.8 DDH SG12-26 Results

SG12-26 was drilled to test a modeled conductive plate along the Burnie Trend, a distance of 400 m to the northwest of SG12-25.

The 200 m drill hole intersected similar lithologic assemblages and alteration styles as SG12-25, with strong shearing fabrics and dominantly disseminated pyrite mineralization throughout, with minor sphalerite and galena noted in quartz flooded zones. The presence of weakly graphitic mudstone units may explain the targeted conductive plate.

Table 10: Geologically Significant Intersections from SG12-26

Hole-ID	From (m)	To (m)	Length (m)	Au (g/t)	Ag (g/t)	Elevated Metals and Alteration
SG12-26	3.90	9.00	5.10	0.100	1.5	Strong oxidation On Fractures
SG12-26	19.50	25.04	5.54	0.274	9.1	Weakly Elev As, Intense Silica Flooding, Mod Chl - Ser

6.9 DDH SG12-27 Results

SG12-27 was drilled to test a modeled conductive plate along the Burnie Trend, a distance of 1.4 km to the northwest of SG12-26.

The 297 m drill hole intersected strongly sheared, faulted/brecciated sequences of interbedded mudstones, andesitic volcanics and metasediments, with disseminated pyrite and pyrrhotite mineralization similar to other holes along the Burnie Trend. Clay-rich fault gouge and weakly graphitic mudstone units may explain the targeted conductive plate.

Table 11: Geologically Significant Intersections from SG12-27

Hole-ID	From (m)	To (m)	Length (m)	Au (g/t)	Ag (g/t)	Elevated Metals and Alteration
SG12-27	166.00	173.00	7.00	0.065	1.7	Mod Silica, Weak calcite altn

6.10 DDH SG12-28 Results

SG12-28 was drilled to test a structurally complex area with high grade gold values from historic drilling. The area, known as The Gorge, saw multiple drill programs carried out by different exploration companies back in the late 1980's and early 1990's. Compilation of the historic drill hole information and assay results was undertaken and it was determined that a more accurate survey of the historic drill collars was needed prior to attempting to drill a hole to target an extension of the mineralized zone.

The majority of the historic collars were successfully located and surveyed early in the season. SG12-28 was positioned to drill between two historic holes and test the continuity of four possible sulphide lenses and collect oriented core data to better understand the structural orientation of the mineralization and local faulting.

The 224 m hole intersected finely bedded, sheared and locally garnetiferous metasediments intruded by vein hosted massive sulphides, truncated by a faulted zone with underlying sandstone and mudstone sequences from approximately 140 m depth.

Table 12: Geologically Significant Intersections from SG12-28

Hole-ID	From (m)	To (m)	Length (m)	Au (g/t)	Ag (g/t)	Elevated Metals and Alteration
SG12-28	18.00	66.75	48.75	0.988	7.5	Elev As, Bi, Cd, Co; Strong calcite, Mod Chlorite
<i>incl</i>	23.60	26.80	3.20	1.787	8.5	Elev Co, Calcite Chl
<i>incl</i>	40.69	47.59	6.90	5.000	28.6	Elev As, Bi, Cd, Co; Calcite Silica Chl
SG12-28	90.50	98.15	7.65	2.036	2.6	Mod Calcite and Chlorite Altn
<i>incl</i>	95.00	96.40	1.40	9.080	8.8	Elev Co; Calcite
SG12-28	115.52	132.10	16.58	2.123	4.4	Local Co, Chlorite/Calcite, local Silica
<i>incl</i>	125.75	127.20	1.45	20.500	36.3	Elev Co; 90Qz5Per 10Cl4Per
SG12-28	195.25	207.00	11.75	0.161	0.3	Mod-Weal Chlorite Altn

6.11 DDH SG12-29 Results

SG12-29 was drilled from the same drill pad as 2011 drill holes SK11-20 and SK11-21, to test the down dip area of the 2011 drilling. Intense alteration in the 2011 holes combined with several multi-gram gold intersections indicated good potential that was tested by hole SG12-29.

The 507 m hole was drilled at a steeper inclination at an azimuth between the two historic holes. The hole was drilled using NQ diameter rods from the start to avoid having to reduce the hole from HQ rods.

Similar lithology, structure and alteration and mineralization styles were intersected in SG12-29 when compared to the 2011 drill holes; however, the high grade massive sulphide vein occurred higher in the drill hole than expected. The interpretation indicates moderate dip to the mineralization. Further drilling is required to confirm the dip of the mineralized structures.

Table 13: Geologically Significant Intersections from SG12-29

Hole-ID	From (m)	To (m)	Length (m)	Au (g/t)	Ag (g/t)	Elevated Metals and Alteration
SG12-29	12.26	160.50	148.24	0.339	12.2	Ag, Cu, Bi, Pb, Zn, Strg Py; Strong Biotite, Silica, Moderate Chlorite alteration
<i>incl</i>	28.70	32.70	4.00	1.473	92.6	Ag, Cu, Pb, Zn, Strg Py; Strong Biotite, Silica, Moderate Chlorite alteration

Hole-ID	From (m)	To (m)	Length (m)	Au (g/t)	Ag (g/t)	Elevated Metals and Alteration
<i>incl</i>	63.75	70.50	6.75	1.227	62.8	Ag, Cu, Pb, Zn, Strg Py; Strong Biotite, Silica, Moderate Chlorite alteration
SG12-29	187.76	197.83	10.07	9.598	24.9	Mod Calcite, local Bio Chlorite
<i>incl</i>	194.95	196.33	1.38	56.400	44.7	Ag, Cu, Pb, Zn, As, Bi, Cd Co; Mssv Py
SG12-29	197.83	291.65	93.82	0.337	1.3	Mod Calcite, local Bio Chlorite
SG12-29	309.00	345.00	36.00	0.140	0.9	Strong Calcite Chlorite, local Silica flooding
SG12-29	366.00	387.00	21.00	0.434	0.6	Mod Calcite Altn, weak Silica flooding
<i>incl</i>	375.00	378.00	3.00	2.120	0.5	20Ca3Int 0.1Si3Loc
SG12-29	399.00	408.00	9.00	0.134	2.2	Elev Pb, Zn; Strong Calcite, Local mod Chlorite altn
SG12-29	435.00	462.00	27.00	0.103	4.9	Elev Pb, Zn, Cd; Mod Chlorite Calcite Altn
SG12-29	468.00	477.11	9.11	0.211	8.1	Mod Calcite Altn
<i>incl</i>	475.54	477.11	1.57	0.748	42.3	Ag, Cu, Pb, Zn, Cd; Mod Calcite Altn

6.12 DDH SG12-30 Results

SG12-30 was drilled to test a modeled conductive plate at the western extent of the Johnny Flats conductive trend, approximately 1.8 km northwest of SG12-24.

The 187 m drill hole intersected felsic to intermediate volcanic tuffs intruded by medium grained to porphyritic intrusives that may be related to the nearby Bronson Slope Porphyry Deposit. Variable alteration throughout the hole includes pervasive potassic alteration and weak to moderate chlorite and sericite alteration. Several mineralized zones were encountered, including one massive sulphide zone.

Table 14: Geologically Significant Intersections from SG12-30

Hole-ID	From (m)	To (m)	Length (m)	Au (g/t)	Ag (g/t)	Elevated Metals and Alteration
SG12-30	9.65	15.65	6.00	0.208	15.7	Ag, Cu, Pb, Zn, As, Zn, Cd; Potassic/Sericite/Chlorite Altn
SG12-30	45.25	53.00	7.75	0.407	11.7	Ag, Cu, As; Potassic Sericite Chlorite Altn
SG12-30	53.00	70.00	17.00	0.007	1.0	As; Potassic, Sericite, Chlorite Altn
SG12-30	154.80	163.00	8.20	0.355	49.1	Ag, Cu, Pb, Zn, As, Bi, Cd; Potassic, Chlorite, calcite Silica flooding
<i>incl</i>	<i>154.80</i>	<i>156.48</i>	<i>1.68</i>	<i>1.465</i>	<i>165.0</i>	Ag, Cu, Pb, Zn, As, Bi, Cd; Strong Calcite Altn

7. SAMPLE PREPARATION, ANALYSIS AND SECURITY

7.1 Drill Core Sample QA/QC Procedures

The on-site sampling of the diamond drill core during the 2012 exploration program at SnipGold's Iskut property included the insertion of both certified standards and blank rock samples.

The Control Sample Matrix implemented during the sampling of diamond drill core used a rotating scheme of two standards and a blank. The standards are certified and were purchased from CDN Labs of Langley British Columbia Canada. The blank material submitted to the lab consisted of approximately 1.0 kilogram of relatively coarse grained fragments of dolomite landscape rock purchased solely for this purpose.

- A minimum of seven and up to eight quality control samples were inserted into every 100 core samples submitted. These control samples were inserted into the sample stream at every 15th position in the sample number sequence.
- The Control sample Matrix also has the provision to use a discretionary blank and a discretionary standard.
- A discretionary blank was available to the geologist and its use was intended to test prep at a very specific location in the sample stream. The discretionary blank was to be inserted immediately after a well-mineralized core sample. This blank was placed in the sample stream as an additional blank inserted as part of the regular positioning of the control samples.
- In close proximity to well mineralized intervals, either as one of the regularly spaced standards placed at every 15th sample position, or at another sample position, the geologist supervising the sampling could implement the use of a

discretionary standard. The discretionary standard used was CDN-GS-20A, which tests high grade Au at 21.1 g/t Au, which was inserted in close proximity to semi-massive pyritic mineralization.

- A second half of core sample, referred to as a field duplicate, was submitted at a frequency of 1 in 100. The original half core were those samples that end with their numerical value ending in a 50, and the second half field duplicate core sample was the next sample in the sequence and was assigned the next sample number ending in a 51. It was a requirement that both the original half core and second half pair were submitted to the analytical lab in the same batch of core.

Table 15 details the Control Sample Matrix.

Table 15: Control Sample Matrix for Core Samples

Sample Number	Control Sample Type
xxx00	CDN-CGS-20
xxx15	CDN-CM-15
xxx30	CDN-ME-19
xxx45	Blank (landscaping limestone)
xxx51	Duplicate: sample numbers ending xxx51, will be the entire second half core of the interval sampled in xxx50
xxx60	CDN-CGS-20
xxx75	CDN-CM-15
xxx90	CDN-ME-19
*****	Up to one discretionary blank/100 samples

- SnipGold is very selective in the standards used in their control sample QAQC program. The level of two standard deviations (“SD”) must be within 10% of the nominal value and the matrix of the standard must be similar to the rocks expected to be encountered on the property. It is their policy to accept data within three (3) SDs and still be accepted as a pass.
- The tolerances, both nominal value and 2 SD value, for the certified standards used in the 2012 drill core sampling control sample matrix is listed below.

Table 16: Control Sample Specifications

Standard	Au (ppm) Nominal	Au (ppm) 2SD	Cu (%) Nominal	Cu (%) 2SD	Mo (%) Nominal	Mo (%) 2SD	Ag (ppm) Nominal	Ag (ppm) 2SD	Zn (%) Nominal	Zn (%) 2SD
CM_15	1.253	0.118	1.280	0.090	0.054	0.004	n/a	n/a	n/a	n/a
CGS_20	7.750	0.470	3.360	0.170	n/a	n/a	n/a	n/a	n/a	n/a
ME_19	0.620	0.062	0.474	0.018	n/a	n/a	103	7	0.75	0.04

GS_20A	21.12	1.540	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
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- A total of 10 blanks were submitted with the 2012 core samples. The blank analyses were monitored for Au, Ag, Cu, Mo, Pb, S and Zn. The highest assay received for the blanks is 0.0025 ppm for Au, 0.7 ppm for Ag, 4 ppm for Cu, 1 ppm for Mo, 4 ppm for Pb, 0.1% S and 31 ppm for Zn
- A total of 18 CGS_20 standards were submitted with the 2012 core samples. All Au analyses fell within 2 standard deviations with the exception of one sample, M982060 which analysed 8.48ppm, slightly outside the 3 SD level of 8.455 ppm. All Cu analyses fell within 2 SD.
- A total of 21 CM_15 control samples were submitted with the 2012 core samples. All Au, Cu and Mo analyses performed within range of 2 SD, with the exception of two Mo analyses that fell just outside the 2 SD level, but well within the 3 SD level.
- A total of 19 ME_19 control samples submitted with the 2012 core samples. The Au, Pb, and Zn all performed within range. One Ag analysis, sample number M990530, analysed 91.3ppm and is slightly above the 3 SD level of 92.5 ppm. Two Cu analyses, sample numbers M978190 and M980530, analysed 0.444 and 0.4250 ppm respectively. These values plot slightly below the 3 SD level of 0.4470 ppm. These failures are deemed minor and are not high enough to be of concern.
- A total of 3 GS_20A control samples were submitted with the 2012 core samples. All three samples fell well within 2 SD.
- Future failures, beyond 3SDs should be reported to the lab and that control sample, as well as adjacent core samples must be rerun.

7.2 Drill Core Sample Duplicate QA/QC Procedures

SnipGold's 2012 diamond drill core assay procedures included a robust duplicate sample program that consisted of four components: field duplicates, preparation duplicates, assay duplicates, and second lab duplicates. A total of 202 duplicates were assayed following the four component duplicate sampling procedures described below.

The field duplicates were selected by SnipGold geological staff. The preparation, assay, and second lab duplicates were created by ALS during the regular sample flow through their lab and were done so at the request of SnipGold. The preparation and assay duplicates were analysed in the same batch as the original assay sample.

- **Field Duplicates (10):** are represented by the second half of core being sampled in its entirety at a frequency of 1 per 100 samples and were collected by SnipGold staff. Every drill core sample that had a sample number where the last two digits were equal to "50" had their corresponding second half core sampled and assigned the next sample number in sequence. It was mandatory that both the original half and second half core duplicate ("SecHalfDup") were sent to the assay lab in the same sample batch. A total

of 10 Field Duplicates were collected and analysed during the 2012 drill program.

- **Preparation Duplicates (96):** were collected as part of a set procedures carried out by ALS at the request of SnipGold. The preparation duplicates (“PrepDups”) are represented by second splits taken from the coarse reject. The PrepDups were collected, pulverized, and analysed with the same methods as carried out on the regular core samples. Sample numbers assigned to the PrepDups was done by ALS laboratory staff and the naming convention for these was to append a suffix of “P” to the sample number. This would yield a sample number of M962152P for the PrepDup of sample number M962152. The frequency of the PrepDups is every 11th sample in each batch of core. A total of 96 PrepDups were collected and analysed during the 2012 drill program at the Iskut Property. The PreDups were assayed in the same batch as the original samples.
- **Assay Duplicates (96):** were also collected as part of a set procedures carried out by ALS and were also collected at the request of SnipGold. The assay duplicates (“AssayDups”) are represented by second splits taken from the original pulp. The AssayDups were spit and analysed with the same methods as carried out on the regular core samples. Sample numbers assigned to the AssayDups was done by ALS laboratory staff and the naming convention for these was to append a suffix of “D” to the sample number. This would yield a sample number of M962151D for the AssayDup for sample number M962151. The frequency of the AssayDups is every 10th sample in each batch of core samples. A total of 96 AssayDups were collected and analysed during the 2012 drill program. The AssayDups were assayed in the same batch as the original samples.
- **Second Laboratory Duplicates (96):** are represented by additional splits of the original pulp and were collected by ALS. The second laboratory duplicates (“SecLabDups”) were requested by SnipGold and were collected by ALS laboratory staff, and were collected from additional splits taken from the original pulps. The SecLabDups were collected at a frequency of every 10th sample in each batch and coincided with the AssayDup samples. These SecLabDups have been collected and are stored for future analyses. A second lab has not yet been selected for the analyses of the SecLabDup samples. It is expected that the analyses methods to be carried out on these samples will closely mirror those used by ALS to analyse the core samples.

Figure 6 displays the correlation charts for the 96 AssayDups collected for the 2012 diamond drill core sampling program. The correlation between the original assay vs the AssayDups are plotted for Au, Ag, Cu, and Zn. All show good correlation with no bias and a tight grouping for each element. No issues are detected at the assay level of ALS analyses.

Figure 7 displays the correlation charts for the 96 PrepDups collected for the 2012 diamond drill core sampling program. The correlation between the original assay vs the PrepDups are plotted for Au, Ag, Cu, and Zn. The correlation between the two

datasets for Au, Ag, Cu and Zn display a slightly wider scatter than the AssayDup pairs, as expected. No bias is noted in the PrepDup.

Figure 8 displays the correlation charts for the 10 Field Duplicates collected as part of the sampling procedures for the 2012 diamond drill program. The correlation between the original half core and the field duplicate analyses are plotted for Au, Ag, Cu, and Zn. The correlation between the two datasets for Au show two wide spread correlations. The sample set with the largest spread (M978350/51) was run a second time by fire assay and a third time by a screen finish, and consistently returned wide spread results, suggestive of a nugget effect. The correlation for Ag, Cu and Zn show no apparent bias and excellent clustering for field duplicates.

With a sample population of only 10 pairs, no conclusive information can be drawn from such a small statistical sampling. It is recommended that close attention be paid to the results of all duplicate pairs and care should be applied to the sampling in such a way that the samples collected on site are not biased and that mineralized structures are sampled along their long axis such that half the mineralization is sent to the lab and *half remains in the core box.*

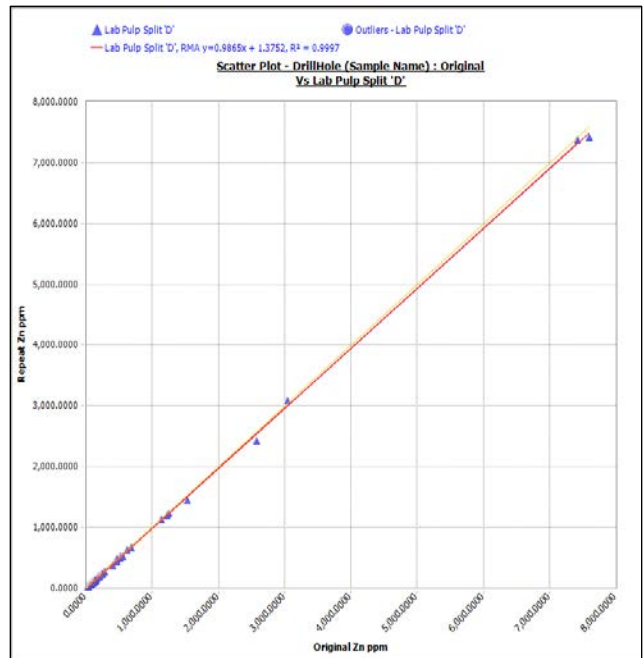
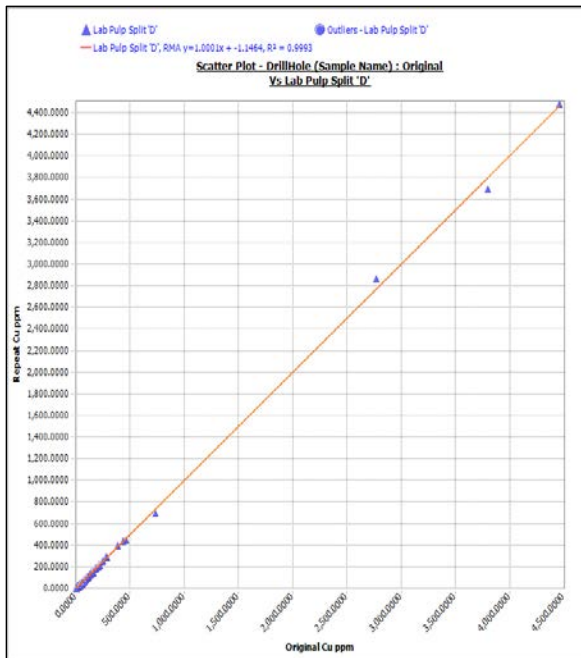
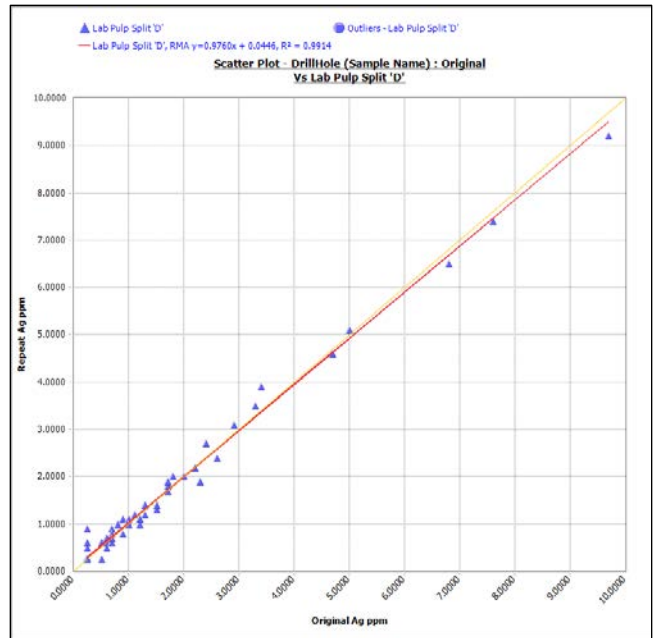
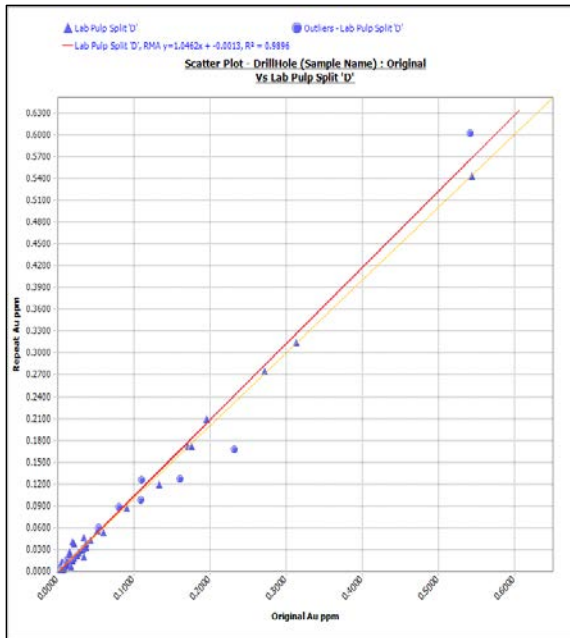


Figure 6 Correlation Charts for Assay Duplicate Control Samples

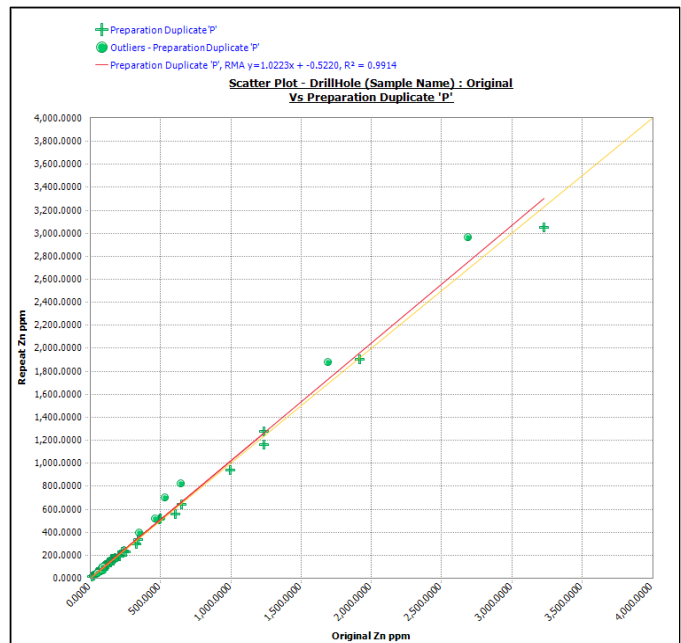
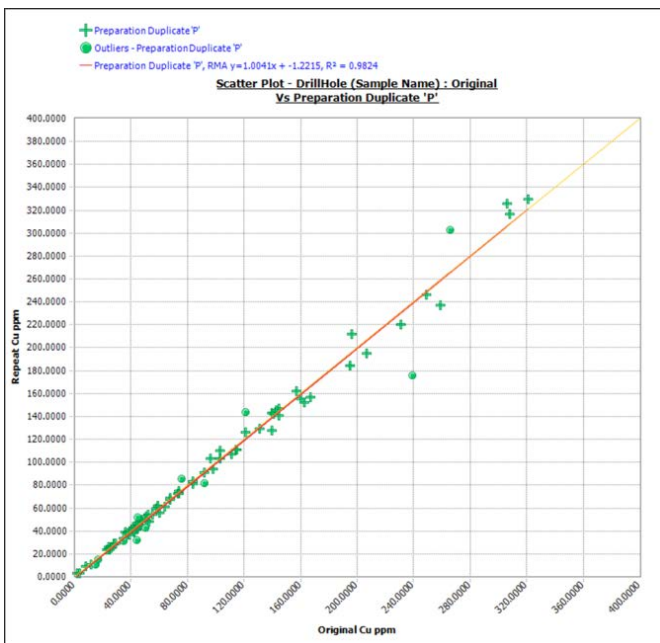
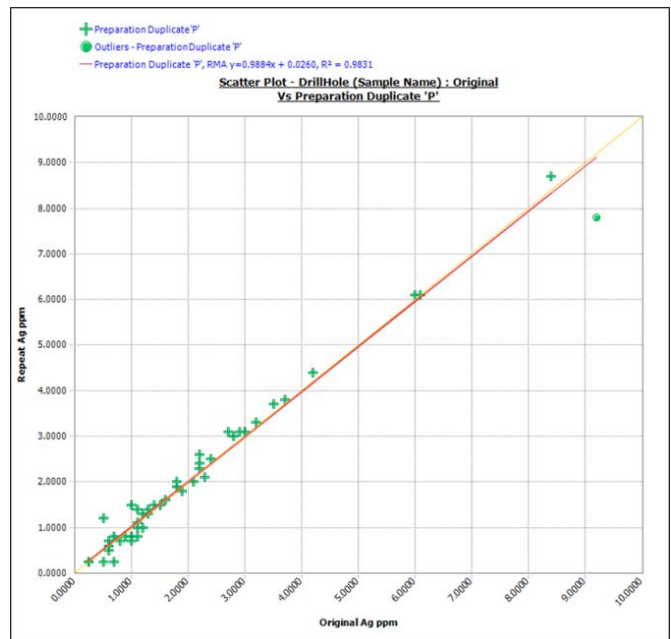
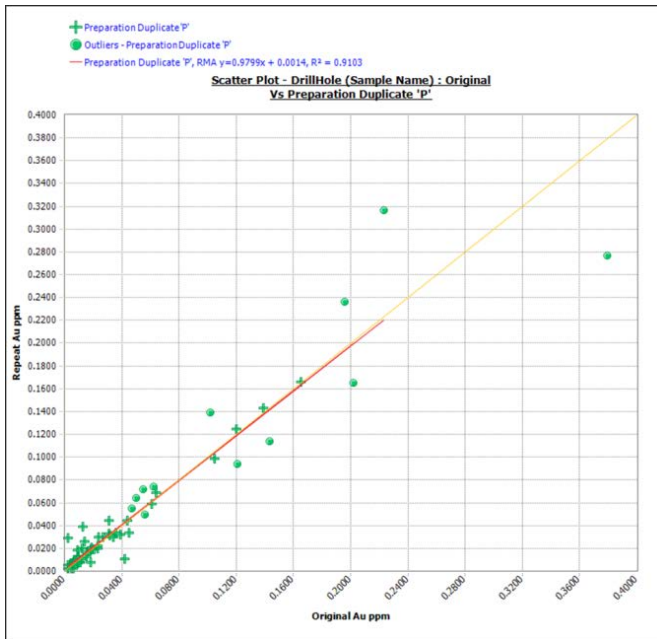


Figure 7 Correlation Charts for Preparation Duplicate Control Samples

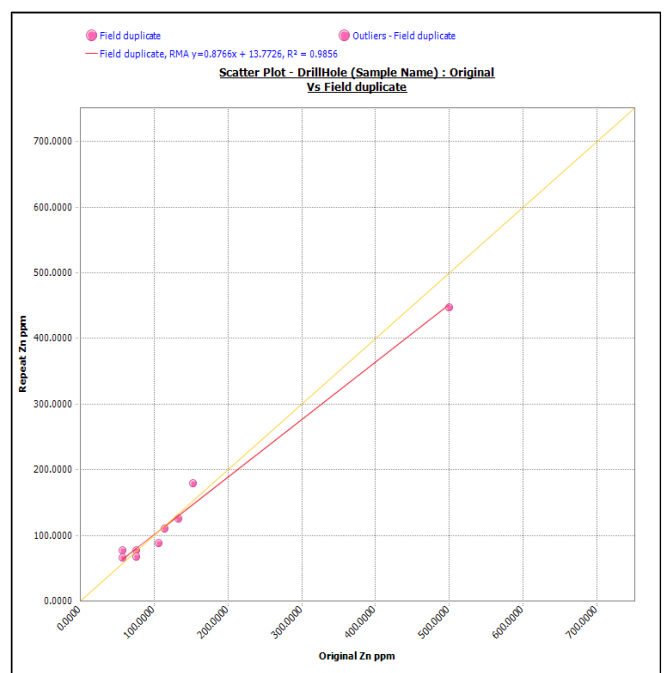
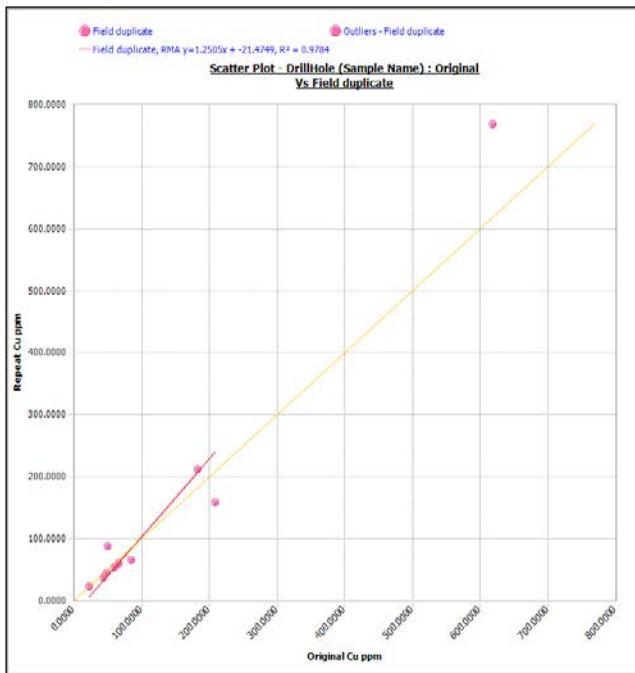
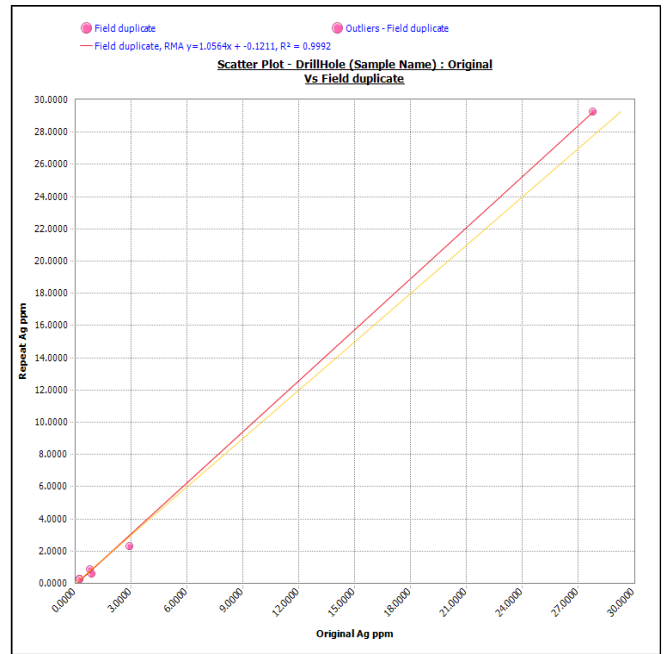
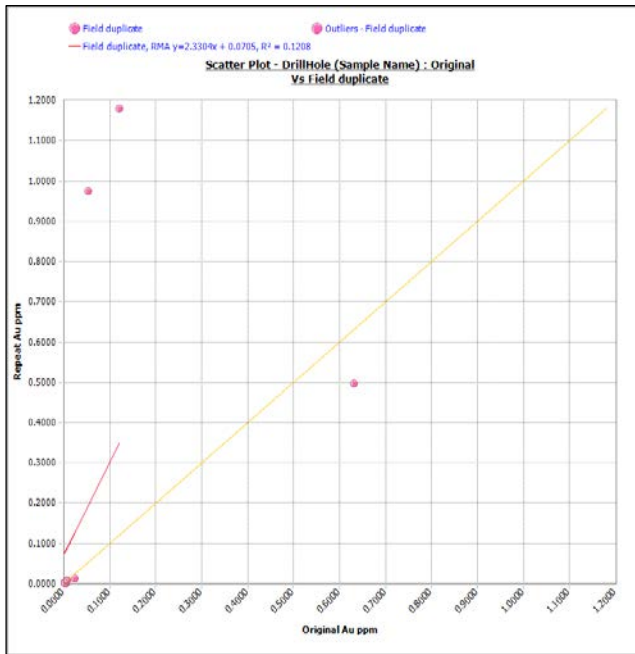


Figure 8 Correlation Charts for Field Duplication Control Samples

7.3 Field Sample Security and Chain of Custody

Samples were kept in a lockable building while in camp awaiting shipment to the preparation lab in Terrace, B.C.

Samples were consigned at camp to the charter aircraft company servicing the exploration program, typically NT Air. The samples were flown by NT Air direct to Smithers where they were transferred to a truck operated by UTM Exploration Management Ltd. (the company providing camp and expediting services to the project). UTM would then deliver the samples to Canadian Freightways for overnight delivery to ALS Mineral's Terrace, B.C. sample preparation lab.

7.4 Lab Procedures

7.4.1. Drill Core Sample Lab Procedures

Upon receipt of the rock samples at the ALS preparation laboratory at Terrace, B.C., the samples were oven-dried at 60°C., followed by fine crushing to more than 70% passing a 2mm (Tyler 9 mesh) screen. A split of up to 1kg was taken followed by pulverization to greater than 85% passing a 75 micron (Tyler 200 mesh) screen. The resulting sample pulp was then sent to ALS Minerals analytical laboratory in North Vancouver, B.C. for analysis. The procedure codes and descriptions are listed in the following table.

Table 17: Drill Core Sample Lab Procedure

Prep/Analytical Code		Description
PREP-31B	WEI-21	Received Sample Weight
Log-22		Sample Login- Read w/o Bar Code
PUL-QC		Pulverizing QC Test
CRU-31		Fine crushing- 70% <2mm
SPL-21		Split 1kg sample- riffle splitter
PUL-31		Pulverize split to 85% < 75um
Au-ICP21		Au by fire assay and ICP-AES. 30g nominal sample weight.
Au-GRA21 OL		Au by fire assay and gravimetric finish. 30g nominal sample weight
ME-ICP61		33 elements by aqua regia ICP-AES
OG62 OLS		Four Acid Digestion with ICP-AES
Zn-OG62		Ore Grade Zn – Four Acid with Various Instruments
Au-AA23		Au 30g FA – AA finish

8. INTERPRETATION AND CONCLUSIONS

The 2012 exploration work focused on drill testing a number of airborne EM targets with modeled conductive plates suggestive of a high potential for sulphide mineralization. Massive sulphide mineralization of pyrite and pyrrhotite is one of the known carriers of precious metals at the nearby Snip Mine, the deposit from which SnipGold's exploration model is based.

Care was taken during examination of the drill core to identify alteration styles that may relate to the Snip-style alteration haloes associated with high grade mineralization, and obtain oriented core measurements to better understand the structural relationship of mineralized veins / zones intersected.

Exploration drilling along the conductive Burnie Trend (SG12-22, -25, -26, -27) identified a northwesterly trending highly strained / sheared structural corridor with alteration suggestive of hydrothermal fluid activity. Drilling intersected intervals of slightly higher concentrations of sulphides, however no massive sulphide zones were intersected. The relatively lower order of magnitude of the EM responses is likely reflecting the generally lower concentrations of sulphides in the 2012 drill holes. In part the conductive responses may be explained by clay-rich fault gouge. Hole SG12-25 returned the highest gold values of 2.062 g/t Au and 23.7 g/t Ag over 4.5 m associated with quartz veining at the top of the hole.

The one exploration drill hole at C-1 area (SG12-23) failed to intersect any significant mineralization.

Exploration drilling on Johnny Flats (SG12-24 and SG12-30) intersected mineralized zones that are believed to have explained the targeted conductive plates. Results included 6.5 m of 1.696 g/t Au and 17.7 g/t Ag at 115.95 m (SG12-24) and 1.68 m of 1.465 g/t Au and 165 g/t Ag at 154.8 m (SG12-30). Step out drilling is warranted around hole SG12-30.

The one drill hole drilled at the Gorge (SG12-28) confirmed the presence of four mineralized zones, returning 48.75 m of 0.988 g/t Au and 7.5 g/t Ag beginning at a depth of 18 m. This interval included 3.2 m of 1.787 g/t Au and 8.5 g/t Ag and 6.9 m of 5.000 g/t Au and 28.6 g/t Ag. Further down hole a 16.58 m interval of 2.123 g/t Au and 4.4 g/t Ag was intersected at 115.52 m depth, and included 1.45 m of 20.5 g/t Au and 36.3 g/t Ag. The oriented core measurements of these mineralized intervals suggest more than one direction of mineralization and it is recommended additional interpretation is carried out before additional drilling is undertaken at the Gorge.

The one drill hole drilled in the Snip-Bronson Trend (SG12-29) was drilled to target and assess the continuity of mineralizing structures intersected in SK11-20 and SK11-21 which were drilled from the same setup. Holes SK11-20 and -21 were drilled in the 2011 exploration program and tested the down dip extension from the Fuchsite Zone. Hole SG12-29 returned 10.07 m of 9.598 g/t Au and 24.9 g/t Ag beginning at a depth of 187.76 m, including a 1.38 m massive sulphide intersection of 56.400 g/t Au and 44.7 g.t Ag. Step out drilling is warranted in this area

9. RECOMMENDATIONS

The 2012 exploration program tested a number of high priority conductive targets that were identified from the 2006 AeroTEM airborne survey and modeled in more detail by MIRA Geoscience to provide 3-dimensional conductive plate models from which to design a suitable drill hole plan.

Drilling along the Burnie Trend identified the presence of a highly faulted shear zone with alteration styles suggestive of the potential for mineralization. It is recommended that further compilation of all historic geochemical data in the Burnie Trend be completed to assist in the planning of a soil sampling program along this zone of structural interest to identify anomalous zones of potential mineralization.

Further work on Johnny Flats is recommended, to test a number of high priority targets that were not drilled due to accessibility and a limited budget. Given the relatively flat terrain, ground geophysical surveying to better define these targets prior to drilling would also be recommended.

Recommendations for work along the Snip-Bronson Trend include additional drilling to better understand the mineralized structures in key areas such as the Fuchsite Zone, and continued mapping / prospecting by qualified mountaineering geologists.

Continued compilation of historic field exploration surveys and collection of accurate collar survey data for exploration holes in the Gorge area is recommended to aid in the interpretation of the existing geological dataset, which now includes drill hole SG12-28. Additional drilling to test interpreted mineralized structures is recommended.

Given the amount of retreat of the Johnny Mountain Glacier over the last 20 years, it is recommended that the McFadden Float Zone be prospected, sampled and mapped. It is also recommended that all historical data for this area be compiled and interpreted. All drill hole data should be closely reviewed. Future drilling in this area should incorporate Borehole Pulse EM surveys

Continued compilation of historic geological data across the property, with the aim to help define targets, is also recommended.

10. REFERENCES

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APPENDIX I – SIGNATURE PAGE

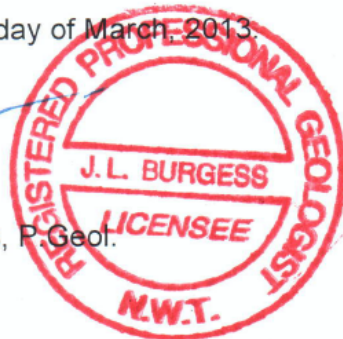
Certificate of Author

I, Jennifer L. Burgess do hereby state:

- (1) That I am a consulting geologist with office located at 5674 Annex Road, Sechelt, BC V0N 3A8.
- (2) That I am a member of the Association of the Northwest Territories and Nunavut Association of Professional Engineers and Geoscientists holding License Number L1070.
- (3) That I am a graduate of Queens University (BSch., 1992) and have been employed as an exploration and mining geologist since that time.
- (4) That my experience has given me considerable knowledge in geological, geochemical and geophysical exploration techniques as well as in the planning, execution and evaluation of exploration drilling programs.
- (5) That I am an author responsible for the preparation of the Assessment Report titled “Assessment Report on Diamond Drilling and Geophysical Surveys on the Iskut River Property” for SnipGold Corp. (formerly Skyline Gold Corporation), dated March, 2013. I worked on the Iskut Property during the 2012 field program.

Signed on the 18th day of March, 2013.


Jennifer L. Burgess, P. Geol.



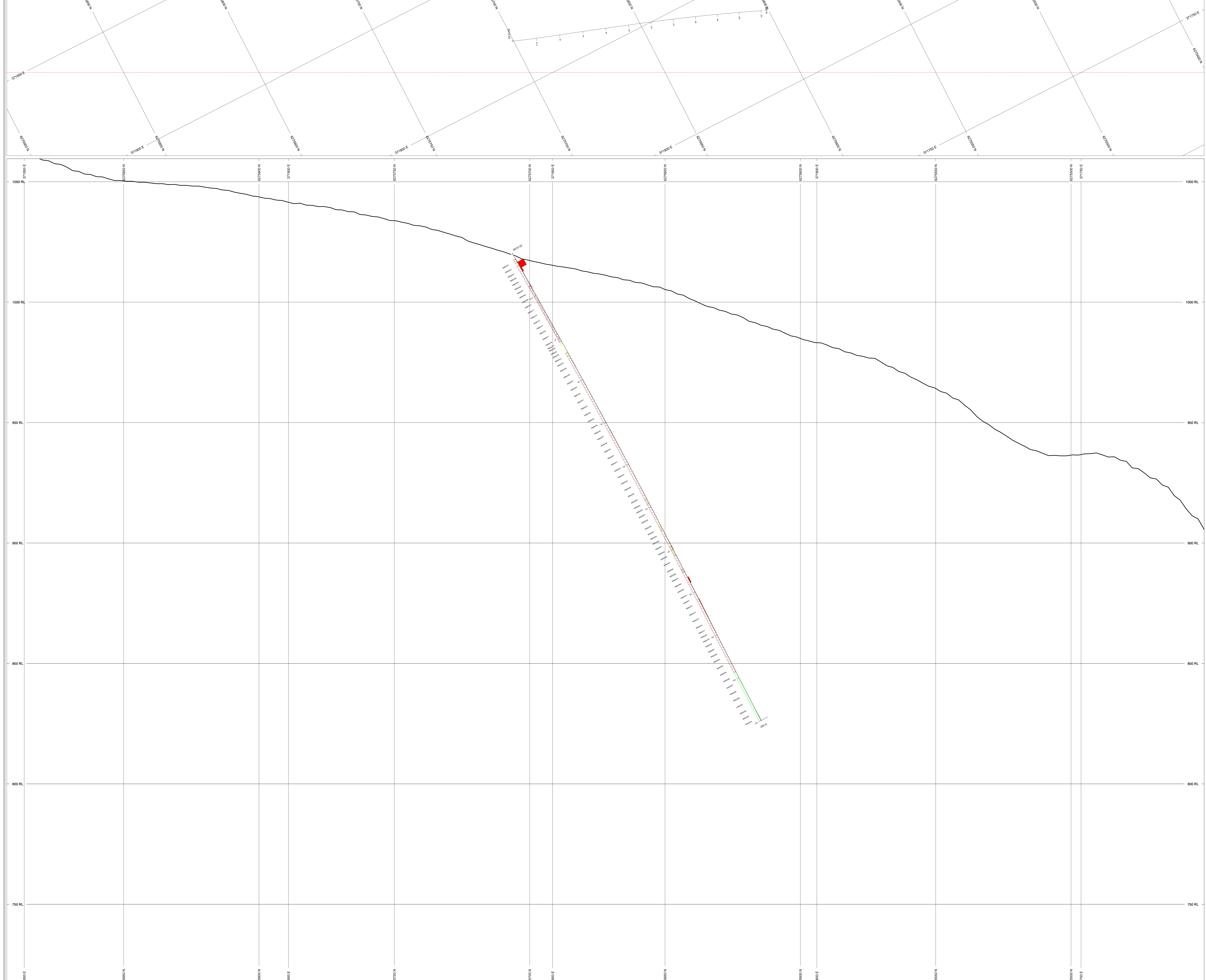
APPENDIX II: STATEMENT OF COSTS

Personnel / Position	Field Days		Rate	Subtotal*
John Zbeetnoff, P. Geo.	July 11-Aug 2	5	\$1,000	\$5,000
Jim Sparling, P. Geo.	June 22-Aug 21	16	\$650	\$10,400
Jennifer Burgess, P. Geo.	June 22-Aug 22	56	\$600	\$33,600
Emily Hanson	July 3 - Aug 20	49	\$450	\$22,050
Brian Janes	June 13-Aug 15	22	\$450	\$9,900
Peter Zak	June 22-Aug 24	59	\$325	\$19,175
Bill Fan	June 13-July 10	28	\$260	\$7,280
Doug Quock	July 3 - Aug 22	51	\$300	\$15,300
Justice Teegee	July 3 - July 30	20	\$225	\$4,500
Ron Jackson	July 25-Aug 13	20	\$225	\$4,500
Gary Alec	July 24-July 27	3	\$225	\$675
Natasha Erbel	June 26-July 30	35	\$375	\$13,125
Tsatia Adzich	July 31-Aug 7	18	\$375	\$6,750
				\$152,255
Office Studies	List Personnel (note - Office only, do not include field days)			
Literature search			\$0	\$0
Database compilation	Bill Hay	30	\$355	\$10,650
Computer modelling			\$0	\$0
Reprocessing of data	John Zbeentoff (P.Geo.)	40	\$1,000	\$40,000
Report preparation	J. Burgess (P. Geo.)	5.	\$600	\$3,000
Other (specify)				
				\$53,650
Ground Exploration Surveys	Area in Hectares / List Personnel			
Geological mapping				
Regional			<i>note: expenditures here</i>	
Reconnaissance			<i>should be captured in Personnel</i>	
Prospect			<i>field expenditures above</i>	
Underground	Define by length and width			
Trenches	Define by length and width			\$0.00
				\$0.00

Geochemical Surveying	Number of Samples	No.	Rate	Subtotal
Drill (cuttings, core, etc.)		1208	\$58.44	\$70,598.23
Soil	<i>note: This is for assays or</i>			\$0.00
Rock	<i>laboratory costs</i>			\$0.00
				\$70,598.23
Drilling	No. of Holes, Size of Core and Metres	No.	Rate	Subtotal
Diamond	9 holes HQ	2437.0	\$127.95	\$311,806.00
				\$311,806.00
Other Operations	Clarify	No.	Rate	Subtotal
Trenching			\$0.00	\$0.00
Bulk sampling			\$0.00	\$0.00
Underground development			\$0.00	\$0.00
Other (specify)	Pad Building		\$0.00	\$99,856.04
				\$99,856.04
Transportation		No.	Rate	Subtotal
Airfare	Crew rotations within BC		\$0.00	\$0.00
Taxi			\$0.00	\$0.00
truck rental			\$0.00	\$0.00
kilometers			\$0.00	\$0.00
ATV			\$0.00	\$0.00
fuel			\$0.00	\$0.00
Helicopter (hours)	Drill moves/core movement	90	\$1,329.95	\$119,562.51
Helicopter (hours)	crew movement/supply movement	34	\$1,329.95	\$45,218.30
Fuel (litres/hour)			\$0.00	\$0.00
Other	Drill mob/demob			\$23,400.00
				\$188,180.81
Accommodation & Food	Rates per day			
Hotel			\$0.00	\$0.00
Camp		966	\$210.00	\$202,860.00
Meals	day rate or actual costs-specify		\$0.00	\$0.00
				\$202,860.00
Miscellaneous				
Telephone			\$0.00	\$0.00

Other (Specify)	Camp Construction			\$77,051.27
				\$77,051.27
Equipment Rentals				
Field Gear (Specify)	Linecutting		\$0.00	
	Soil/Prospecting/GPS			
Other (Specify)	Field Equipment purchase			
				\$0.00
Freight, rock samples				
			\$0.00	\$0.00
			\$0.00	\$0.00
				\$0.00
TOTAL Expenditures				\$1,156,257.35

APPENDIX III: DRILL LOGS AND CROSS-SECTIONS



TOPOGRAPHY

DEM
 BAR GRAPHS L/R COL
 Az. App. R

ROCK CODES

Label Code	Pat	Label	Description
Op	[Pattern]	Op	Overburden
Mud	[Pattern]	Mud	Mudstone
Sls	[Pattern]	Sls	Siltstone
Cg	[Pattern]	Cg	Conglomerate
Gms	[Pattern]	Gms	Graphic Mottling/Argillite
Fss	[Pattern]	Fss	Fine Sandstone
Mf	[Pattern]	Mf	Mylonite

POSTED TEXT

Symbol	L/R	Text	Items
[Symbol]	L	AS	

SECTION SPECS:

REF. HT. E. N 371840 m 627500 m
 EXTENTS 487 m 345.7 m
 SECTION TOP BOT 1060 m 713.9 m
 TOLERANCE ±1 m 50 m

SCALE 1:500

NAZD83 UTM zone 59

ASMTHT = 207.124°

SnipGold Corp (SGG.TSX)
Iskut Property (SG12-22)
371840E SECTION
Cross-Section: 28200BE



HOLE-ID: **SG12-22**
 UTM East: 371,869.20
 UTM North: 6,275,700.39
 Elevation: 1,020.11
 Length (m): 220.00
 ZONE: Burnie_South
 Collar CrossSection:

Drill Company: NoLimitDrilling
 Logged By: Emily Hanson
 Operator:
 Purpose:
 Casing:
 Year: 2012
 Proposed HID: Pb_012c

DISTANCE:	AZIMUTH:	DIP:	SURVEYTYPE:	COMMENTS:
45.00	198.80	-60.80	ReflexGyro	
95.00	199.20	-61.60	ReflexGyro	
90.00	199.10	-61.50	ReflexGyro	
85.00	199.10	-61.40	ReflexGyro	
80.00	199.10	-61.30	ReflexGyro	
75.00	199.10	-61.30	ReflexGyro	
70.00	199.00	-61.20	ReflexGyro	
65.00	198.90	-61.10	ReflexGyro	
60.00	198.90	-61.00	ReflexGyro	
0.00	203.00	-60.40	ReflexGyro	
50.00	198.70	-60.90	ReflexGyro	
110.00	199.30	-62.00	ReflexGyro	
40.00	198.70	-60.70	ReflexGyro	
35.00	198.60	-60.70	ReflexGyro	
30.00	198.80	-60.70	ReflexGyro	
25.00	198.90	-60.70	ReflexGyro	
20.00	199.30	-60.50	ReflexGyro	
15.00	199.70	-60.40	ReflexGyro	
10.00	200.20	-60.30	ReflexGyro	
5.00	200.90	-60.20	ReflexGyro	
55.00	198.90	-60.90	ReflexGyro	
155.00	200.70	-62.70	ReflexGyro	
205.00	202.50	-62.70	ReflexGyro	
200.00	202.40	-62.70	ReflexGyro	
195.00	202.30	-62.80	ReflexGyro	
190.00	202.00	-62.80	ReflexGyro	
185.00	201.70	-62.80	ReflexGyro	
180.00	201.50	-62.90	ReflexGyro	
175.00	201.40	-62.80	ReflexGyro	
170.00	201.30	-62.70	ReflexGyro	
100.00	199.20	-61.80	ReflexGyro	
160.00	201.10	-62.70	ReflexGyro	
105.00	199.30	-61.90	ReflexGyro	
150.00	200.50	-62.60	ReflexGyro	
145.00	200.40	-62.50	ReflexGyro	

DISTANCE:	AZIMUTH:	DIP:	SURVEYTYPE:	COMMENTS:
140.00	200.10	-62.40	ReflexGyro	
135.00	200.00	-62.40	ReflexGyro	
130.00	200.00	-62.30	ReflexGyro	
125.00	199.90	-62.20	ReflexGyro	
120.00	199.60	-62.10	ReflexGyro	
115.00	199.50	-62.10	ReflexGyro	
210.00	202.80	-62.60	ReflexGyro	
165.00	201.30	-62.70	ReflexGyro	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-22 0 2.38 2.38 Ovb100

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-22 2.38 3.4 1.02 Mud100Shr

Carbonaceous mudstone; broken core with Fe-ox staining on fracture surfaces resulting from surface alteration and weathering. Qtz+crb stringers and qtz+crb veining throughout, coincident with laminations and shearing fabric. Moderately sheared.
3.28m = 3cm quartz vein.
No alteration other than surface weathering (ox) noted.

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
2.40	4.00	1.60	M982001	0.015	FA_AAS	0.5	0.0029	0.0117	0.0001	27.0	5.14	0.44	-1	0	-1	-1	TR12164078	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-22 3.4 4.1 0.7 Mud100Shr

Carbonaceous, black mudstone. Laminated with abundant Qtz and Qca veining and stringers that are coincident with bedding. Foliations / ductile shearing present throughout, generally coincident with bedding. Pyrrhotite occurs throughout, ranging from 1 to 10% locally; where higher concentrations are characterized by coarse, elongated clots (potentially pyrrh after py) aligned with bedding. Pyrrh-rich veins and pyrrh stringers throughout.
No orientated core.

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-22 4.1 5.48 1.38 Slt100Shr

Sheared siltstone interval with purple-brownish color that may be due to biotite alteration.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
4.10	5.48	1.38	0Bt1Pat	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
4.00	6.75	2.75	M982002	0.574	FA_AAS	1.2	0.0029	0.0075	0.0002	26.0	4.86	0.89	-1	0	-1	-1	TR12164078	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-22 5.48 15.27 9.79 Mud100Shr

Carbonaceous mudstone, weakly bedded, sheared and foliated, aphanitic with abundant (10-25%) Qca and Qtz veins and stringers. Veins and stringers coincident with bedding and shear fabric. Degree of shearing variable throughout mudstone.

Pyrrhotite occurs throughout (5-15%) as fine disseminations; fine stringers; pyrrho-after-py cubic, medium grained disseminations that are sometimes concentrated in Qca veins, or small quartz-carbonate flooded zones that are aligned with foliations; or as irregular, elongated clots that are aligned with bedding and foliations.

7.5m: Sphalerite > pyrrh > py > chalco vein, irregular shape subject to same deformation event that sheared and deformed the mudstone/argillite and qtz/qca veining.

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
13.30		S0	-1		45	295	-99	S0- 45/295/	
13.80		Rv	-1		45	308	-99	Rv- 45/308/	2.5cm
14.20		Qv	-1		15	76	-99	Qv- 15/76/	0.3cm

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASP%	CPY%:	SPH%:	CERT-ID:	LAB-ID:
6.75	8.50	1.75	M982003	0.111	FA_AAS	1.5	0.0086	0.0653	0.0049	11.0	5.12	1.05	-1	0	0.01	1	TR12164078	
8.50	10.50	2.00	M982004	0.013	FA_AAS	0.3	0.0045	0.0137	0.0001	7.0	5.72	0.87	0.01	0	0.01	-1	TR12164078	
10.50	12.50	2.00	M982005	0.006	FA_AAS	0.3	0.0041	0.0135	0.0001	7.0	6.16	0.83	-1	0	-1	-1	TR12164078	
12.50	14.50	2.00	M982006	0.012	FA_AAS	0.3	0.0034	0.0117	0.0001	6.0	5.58	0.86	-1	0	-1	-1	TR12164078	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-22 15.27 41.64 26.37 Cgl65Shr Slt20Shr Mud15Shr

Sheared package of Interbedded conglomerate, siltstone, and carbonaceous mudstone. Several discrete, cm to m scale beds with a number of intervals of dm-scale interbedding of silty and mudstone material. Shearing is variable throughout, with some sections (referred to as siltstone) showing much stronger shearing than the other units.

-Conglomerate is typically matrix supported. The matrix is silty and strongly sheared, similar to the siltstone beds described below, with a purple-brownish colour attributed to biotite alteration. Clasts are cm-scale, up to 5cm, and are elongated and slightly smeared in a fabric coincident with larger-scale bedding. Clasts include mudstone, siltstone (typically showing the purple-brown biotite alteration), and volcanics (andesitic?). Texture is trending towards mylonitic.

-What appear to be slightly coarser grained, silty (referred to as siltstone) intervals show very strong shearing, trending towards mylonitic. These intervals are purple-brown and considered biotite altered. Qca and qtz veining less abundant. Siltstone intervals tends to have sharp contacts with surrounding conglomerate and mudstone-rich units

-Mudstone is black with Qtz and Qca veining coincident with bedding / laminations (as above). Wavy deformation indicated soft sediment / ductile deformation. "Z" shear structures noted.

-Rare Qca veins (mm scale) x-cut bedding and shear fabric.

-Pyrrhotite occurs throughout as dissemination, clots, elongated (or smeared) clots, and coarse grains showing preferred orientation coincident with bedded ("veins" up to 2cm thick, with ~75% pyrrh). Occasional coarse cubic pyrrh, suggesting pyrrh after py. Pyrrh tends to be more abundant in the mudstone units.

-Occasional Qtz-arrays running nearly perpendicular TCA within thin 1cm lenses (e.g. 28.15m, photo).

Units occur as follows:

15.27-15.75: Conglomerate

15.75-16.0: Mudstone

16.0-17.18: Conglomerate

17.18-18.78: Mudstone

18.78-19.05: Siltstone

19.05-19.75: Finely Interbedded mudstone and siltstone

19.75-21.0: Conglomerate

21.0-22.40: Finely Interbedded mudstone and siltstone

22.40-23.5: Mudstone

23.5-24.16: Siltstone (sharp contacts)

24.16-28.77: Conglomerate

28.77-30.20: Cm-scale Interbedded units

30.20-33.84: Conglomerate

33.84-34.24: Siltstone

34.24-38.95: Interbedded siltstone and breccia

38.95-40-80: Conglomerate with increased mudstone component

40.80-41.65: Conglomerate

Core only orientated in select runs.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
15.27	15.75	0.48	10Bt1Pat	"?Biotite alteration? - characterized by patchy, purple-brownish tint to rocks. May be a different alteration or simple a feature of the rock."
16.00	17.80	1.80	5Si1Loc 5Bt1Pat	"?Biotite alteration? - characterized by patchy, purple-brownish tint to rocks. May be a different alteration or simple a feature of the rock."
18.78	19.05	0.27	0Bt1Pat	
19.75	21.00	1.25	0Bt1Pat	
23.50	28.77	5.27	5Bt1Pat	"?Biotite alteration? - characterized by patchy, purple-brownish tint to rocks. May be a different alteration or simple a feature of the rock."
30.20	41.65	11.45	5Bt1Pat	"?Biotite alteration? - characterized by patchy, purple-brownish tint to rocks. May be a different alteration or simple a feature of the rock."

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
15.70		Ct		-1	37	216	-99	Ct- 37/216/	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
19.80		S0	-1		20	67	-99	S0- 20/67/	
21.10		S0	-1		65	90	-99	S0- 65/90/	
24.20		Ct	-1		26	257	-99	Ct- 26/257/	
26.00		S0	-1		36	270	-99	S0- 36/270/	
27.00		S0	-1		27	256	-99	S0- 27/256/	
30.20		Ct	-1		20	319	-99	Ct- 20/319/	
31.20		Qa	-1		20	302	-99	Qa- 20/302/	7x 0.1-0.3cm
32.00		S0	-1		20	265	-99	S0- 20/265/	
32.90		S0	-1		20	296	-99	S0- 20/296/	
34.20		Ct	-1		22	24	-99	Ct- 22/24/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
14.50	16.50	2.00	M982007	0.029	FA_AAS	0.3	0.0016	0.0101	0.0002	2.5	4.39	0.39	-1	0	-1	-1	TR12164078	
16.50	18.50	2.00	M982008	0.003	FA_AAS	0.3	0.0026	0.0105	0.0001	7.0	4.80	0.51	-1	0	-1	-1	TR12164078	
18.50	21.00	2.50	M982009	0.003	FA_AAS	0.3	0.0021	0.0077	0.0001	5.0	4.29	0.69	-1	0	-1	-1	TR12164078	
21.00	23.50	2.50	M982010	0.007	FA_AAS	0.3	0.0029	0.0100	0.0001	2.5	4.73	0.71	-1	0	-1	-1	TR12164078	
23.50	26.00	2.50	M982011	0.003	FA_AAS	0.3	0.0025	0.0089	0.0001	2.5	4.54	0.27	-1	0	-1	-1	TR12164078	
26.00	28.50	2.50	M982012	0.005	FA_AAS	0.3	0.0020	0.0076	0.0001	2.5	4.15	0.40	-1	0	-1	-1	TR12164078	
28.50	31.00	2.50	M982013	0.003	FA_AAS	0.3	0.0026	0.0082	0.0001	7.0	4.58	0.47	-1	0	-1	-1	TR12164078	
31.00	33.50	2.50	M982014	0.003	FA_AAS	0.3	0.0019	0.0074	0.0001	6.0	4.13	0.20	-1	0	-1	-1	TR12164078	
33.50	36.00	2.50	M982016	0.003	FA_AAS	0.3	0.0022	0.0069	0.0001	2.5	3.80	0.18	-1	0	-1	-1	TR12164078	
36.00	38.75	2.75	M982017	0.003	FA_AAS	0.3	0.0027	0.0076	0.0001	6.0	4.31	0.21	1	0	-1	-1	TR12164078	
38.75	41.45	2.70	M982018	0.003	FA_AAS	0.3	0.0025	0.0082	0.0001	6.0	4.34	0.26	-1	0	-1	-1	TR12164078	

HOLE-ID: SG12-22 **FROM: 41.64** **TO: 42.7** **INTERVAL: 1.06** **PLOT LITH: Gms100Shr**

Black, weakly graphitic argillite; strong shearing; Qtz and Qca throughout coincident with bedding and subject to shearing.

Relatively abundant Pyrrhotite (3 to 10% locally), coarse grained, most pyrrh shows stretching and strain related to shearing - or demonstrating structural constraint to pyrrh infilling/replacing; some pyrrhotite is cubic suggesting pyrrh after py.

Sharp upper and basal contacts. Basal contact characterized by 3cm Qtz vein and a marked increase in shearing towards the vein/contact (with "z" bedding relative to foliations).

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
41.65	42.70	1.05	0C1Frc	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
41.60		Ct	-1		60	130	-99	Ct- 60/130/	
42.00		S0	-1		65	52	-99	S0- 65/52/	
42.50		S1	-1		54	56	-99	S1- 54/56/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
41.45	42.10	0.65	M982019	0.008	FA_AAS	0.3	0.0041	0.0124	0.0001	12.0	5.63	1.16	-1	0	-1	-1	TR12164078	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-22 42.7 46.87 4.17 Fdk100Por

Light grey, strongly altered felsic porphyritic dyke with a bleached / altered matrix and fine grained components with ~30% M-C feldspar phenocrysts (white, weakly to completely altered), some feldspars are altered "halos" of feldspar grains.

Alteration = strong silicification, increasing downhole. Weak sericitic alteration, patchiness increases downhole. Chloritic stringers.

Pyrrhotite occurs throughout as coarse clots and with pyrite along large fracture surface.

3 x Remnant cm-scale mudstone "veins" or clasts occur from 42.5m-basal contact, foliated, graphitic mudstone to argillite with chloritic alteration on fracture surfaces.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
42.70	46.87	4.17	50Si2Per 0Cl2Frc 0Sr1Frc	"Felsic porphyritic intrusive, appears weakly silicified by intruding qtz-veins, chlorite alteration and stringers x-cut dominant quartz-vein orientation."

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
42.70		Ct		-1	34	17	-99	Ct- 34/17/	
43.50		Qv		-1	60	269	-99	Qv- 60/269/	
46.70		Qa		-1	56	350	-99	Qa- 56/350/	
46.80		Qv		-1	20	45	-99	Qv- 20/45/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
42.10	43.70	1.60	M982020	0.003	FA_AAS	0.3	0.0003	0.0059	0.0001	2.5	1.16	0.17	-1	0	-1	-1	TR12164078	
43.70	45.20	1.50	M982021	0.003	FA_AAS	0.3	0.0004	0.0043	0.0001	16.0	1.25	0.25	-1	0	-1	-1	TR12164078	
45.20	46.90	1.70	M982022	0.003	FA_AAS	0.3	0.0007	0.0060	0.0002	2.5	2.13	0.47	-1	0	-1	-1	TR12164078	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-22 46.87 48.52 1.65 Mud100Shr

Similar to unit above felsic dyke: Black, weakly graphitic argillite; strong shearing; Qtz and Qca throughout coincident with bedding and subject to shearing.

Relatively abundant Pyrrhotite (3 to 10% locally), coarse grained, most pyrrh shows stretching and strain related to shearing - or demonstrating structural constraint to pyrrh infilling/replacing; some pyrrhotite is cubic suggesting pyrrh after py.

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
46.90		Ct		-1	89	269	-99	Ct- 89/269/	
48.10		Qv		-1	73	314	-99	Qv- 73/314/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
46.90	49.00	2.10	M982023	0.006	FA_AAS	0.3	0.0035	0.0125	0.0001	22.0	5.50	1.04	-1	0	-1	-1	TR12164078	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-22 48.52 49.72 1.2 Slt100Shr

Purple-brown, strongly sheared siltstone (as described in sections above). Degree of shearing trending towards mylonitic. Very few Qca and Crb stringers / veins present, Qca flooding or irregular vein at basal contact.

Purple-brownish colour attributed to biotite(?) alteration.

Pyrrhotite (1-3%) present, dominantly coarse cubes (pyrrh after pyrrh) showing preferred alignment with bedding.

Core not orientated.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
48.52	49.72	1.20	0Bt1Per	potentially biotite alteration

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-22 49.72 61.57 11.85 Mud90Shr Slt10Shr

Dominantly black, carbonaceous mudstone interbedded with dm-cm scale coarser (siltstone?) intervals. Entire package is sheared with 10-15% Qca and Crb veins and stringers coincident with bedding and subject to shearing. Coarser intervals are light gray and occasionally purple-brown, likely due to biotite alteration.

Pyrrhotite (5 up to 10% locally) is present throughout, and occurs as elongated coarse cubic grains (pyrrh after py) orientated with bedding; elongated and irregular clots (infilling microfolds?), very fine stringers coincident with bedding and subject to the same shearing at the mudstone, and occasionally as muddy brown stringers and patches confined to Qca / Crb stringers (unsure if this is pyrrhotite, very fine grained, muddy brown and weakly magnetic)

Quartz +/- carbonate flooding occurs as irregular patches (<5% of unit) with no notable associated mineralization.

Late-stage quartz-carbonate arrays (mm-scale veins, 10cm between veins) x-cut mudstone from 58.85-59.25m. No notable mineralization.

55.20m: Cm-scale, quartz+carbonate+chlorite healed fault(?) with wavy contacts, abundant chlorite and pyrite with minor sericite along contacts.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:														
49.75	55.00	5.25	0Bt1Pat															
55.00	55.75	0.75	0Cl2Frc 0Sr1Frc															
55.75	57.50	1.75	0Bt1Pat															
DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:									
53.10		S0		-1	55	321	-99	S0- 55/321/										
54.80		S1		-1	37	240	-99	S1- 37/240/										
57.30		S0		-1	16	345	-99	S0- 16/345/										
58.90		Qa		-1	34	181	-99	Qa- 34/181/	0.2cm									
60.40		S0		-1	34	230	-99	S0- 34/230/										
FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:												COMMENTS:	
55.02	55.34	0.32	Fth		1 Fth1													
FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
49.00	51.00	2.00	M982024	0.007	FA_AAS	0.3	0.0028	0.0098	0.0001	24.0	4.86	0.86	-1	0	-1	-1	TR12164078	
51.00	54.00	3.00	M982025	0.010	FA_AAS	0.3	0.0038	0.0102	0.0001	40.0	5.37	1.09	-1	0	-1	-1	TR12164078	
54.00	57.00	3.00	M982026	0.003	FA_AAS	0.3	0.0038	0.0097	0.0001	19.0	5.63	1.03	1	0	-1	-1	TR12164078	
57.00	60.00	3.00	M982027	0.003	FA_AAS	0.3	0.0036	0.0103	0.0001	44.0	5.14	0.91	-1	0	-1	-1	TR12164078	
60.00	63.00	3.00	M982028	0.007	FA_AAS	0.3	0.0036	0.0098	0.0001	48.0	5.55	0.94	-1	0	-1	-1	TR12164078	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-22 61.57 83.42 21.85 Mud100Shr

Black (or dark grey-blue) mudstone, trending towards argillite (indurated), with abundant Qca veins and Crb stringers (15%) that are coincident with bedding/laminations and subject to shear deformation.

Vein arrays - Late stage, carbonate-quartz vein arrays that crosscut all bedding and deformation occur throughout. They range from very fine stringers to 5cm veins and are ~90 degrees to bedding/laminations.

Structure - entire unit is sheared and deformed throughout, marked increase in "bulls-eye" fold closures.

Alteration - little to no alteration noted except for rare chloritic stain on fracture surface. Very fine, white speckles (described in next unit) that are confined to slightly coarse beds increase towards bottom of unit.

Mineralization: Pyrrhotite occurs throughout, 5 up to 15% locally and the grain morphology is consistent with the rest of the mudstone in the drill hole: and occurs as elongated coarse cubic grains (pyrrh after py) orientated with bedding; elongated and irregular clots (infilling microfolds?), very fine stringers coincident with bedding and subject to the same shearing at the mudstone, and occasionally as muddy brown stringers and patches confined to Qca / Crb stringers (unsure if this is pyrrhotite, very fined grained, muddy brown and weakly magnetic).

Fizz test: rock is 0/5; stringers and veins throughout are reactive (1/5 to 5/5)

OHM Meter: mudstone-mudstone=no response (except when wet); mudstone-pyrrhotite and pyrrhotite-pyrrhotite = responsive (up to 19 at 20M setting)

82.12m: 5cm sheared and altered unit with fine to medium grained, pink altered feldspar phenocrysts (10%) sometimes elongated and aligned with shear fabric, fine to medium grained disseminated pyrrhotite after pyrite (7%), sheared wacke? Small felsic porphyritic dyke?

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
64.50		Qa	-1	53	122	-99	Qa- 53/122/		0.2cm
66.50		S0	-1	48	230	-99	S0- 48/230/		
68.10		S0	-1	28	280	-99	S0- 28/280/		
70.00		S1	-1	33	240	-99	S1- 33/240/		Average values of fanning foliation.
74.00		S0	-1	15	316	-99	S0- 15/316/		
74.10		Qv	-1	52	166	-99	Qv- 52/166/		1.2cm
80.80		Qa	-1	41	131	-99	Qa- 41/131/		0.1cm
82.10		Ct	-1	76	275	-99	Ct- 76/275/		
82.70		Qa	-1	35	148	-99	Qa- 35/148/		0.1cm

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%:	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
63.00	66.00	3.00	M982029	0.003	FA_AAS	0.3	0.0039	0.0134	0.0001	20.0	5.77	1.02	-1	0	-1	-1	TR12164078	
66.00	69.00	3.00	M982031	0.006	FA_AAS	0.3	0.0045	0.0129	0.0001	21.0	5.74	1.10	-1	0	-1	-1	TR12164078	
69.00	72.00	3.00	M982032	0.003	FA_AAS	0.3	0.0040	0.0121	0.0001	23.0	5.32	0.77	-1	0	-1	-1	TR12170412	
72.00	75.00	3.00	M982033	0.005	FA_AAS	0.3	0.0046	0.0129	0.0001	16.0	5.97	1.01	-1	0	-1	-1	TR12170412	
75.00	78.00	3.00	M982034	0.007	FA_AAS	0.3	0.0041	0.0119	0.0001	24.0	5.39	0.92	-1	0	-1	-1	TR12170412	
78.00	81.00	3.00	M982035	0.007	FA_AAS	0.3	0.0042	0.0132	0.0001	26.0	5.63	0.77	-1	0	-1	-1	TR12170412	
81.00	83.40	2.40	M982036	0.006	FA_AAS	0.3	0.0041	0.0117	0.0001	26.0	5.45	0.96	-1	0	-1	-1	TR12170412	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-22 83.42 116.3 32.88 Mud99Spe Mud1Shr

Very similar to above unit, except increased speckling and decreased abundance of Qca / Qtz veining; and occasional lighter (but still dark) grey units.

Black (or dark grey-blue) mudstone, trending towards argillite (indurated), with very fine white speckles and Qca veins and Crb stringers (5-10%) that are coincident with bedding/laminations and subject to shear deformation.

Lighter units are softer and more strongly chlorite altered, and have a "washed out" look. Stronger shearing and deformation than surrounding harder mudstone/argillite but with less Qtz/Qca veining. Sharp upper and lower contacts, Chlorite altered mudstone occurs at: 96.43-96.60m; 109.43-109.80 (less chloritic)

111.15-111.18: heavily sheared (mylonitic?) unit with abundant medium grained, cubic, disseminated pyrrh (15%); wavy irregular contacts; no alteration in surrounding mudstone.

Heavily sheared, mylonitic type zones increase towards basal contact.

Vein arrays - Late stage, carbonate-quartz vein arrays that crosscut all bedding and deformation occur throughout. They range from very fine stringers to 5cm veins and are ~90 degrees to bedding/laminations.

Structure - entire unit is sheared and moderately deformed throughout.

Alteration - Potential alteration or replacement abundant throughout entire mudstone unit = white speckles = very fine, round to hexagonal, white and translucent, non-reactive to HCL, generally confined to certain beds (potentially coarser grained?), though disseminated throughout in more "pervasive zones". Some evidence of "plucked" grains.

Mineralization: Pyrrhotite occurs throughout, 5 up to 15% locally and the grain morphology is consistent with the rest of the mudstone in the drill hole: and occurs as elongated coarse cubic grains (pyrrh after py) orientated with bedding; elongated and irregular clots (infilling microfolds?), very fine stringers coincident with bedding and subject to the same shearing at the mudstone, and occasionally as muddy brown stringers and patches confined to Qca / Crb stringers (unsure if this is pyrrhotite, very fined grained, muddy brown and weakly magnetic).

Fizz test: rock is 0/5; stringers and veins throughout are reactive (1/5 to 5/5)

OHM Meter: mudstone-mudstone=no response (except when wet); mudstone-pyrrhotite and pyrrhotite-pyrrhotite = responsive

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:					
96.43	96.60	0.17	0CI3Per						
109.43	109.80	0.37	0CI2Pat						
DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
85.50		S0	-1		75	22	-99 S0- 75/22/		
85.60		S1	-1		64	351	-99 S1- 64/351/		
86.40		Qv	-1		31	151	-99 Qv- 31/151/		0.1cm
87.40		S0	-1		83	292	-99 S0- 83/292/		
88.80		S1	-1		57	245	-99 S1- 57/245/		
89.20		Cv	-1		27	51	-99 Cv- 27/51/		0.2cm
90.40		Qa	-1		20	160	-99 Qa- 20/160/		0.1cm
91.60		S0	-1		72	15	-99 S0- 72/15/		
92.30		Cv	-1		20	38	-99 Cv- 20/38/		0.2cm
93.50		S0	-1		49	230	-99 S0- 49/230/		
95.30		Qa	-1		29	160	-99 Qa- 29/160/		
97.50		S1	-1		42	205	-99 S1- 42/205/		
98.40		S0	-1		33	234	-99 S0- 33/234/		

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
101.20		Qv		-1	19	250		-99 Qv- 19/250/	
102.60		Qa		-1	25	290		-99 Qa- 25/290/	
104.60		S0		-1	47	235		-99 S0- 47/235/	
109.40		Ct		-1	75	220		-99 Ct- 75/220/	
109.80		Ct		-1	75	272		-99 Ct- 75/272/	
109.90		Qa		-1	60	280		-99 Qa- 60/280/	
110.20		S0		-1	85	250		-99 S0- 85/250/	
111.20		Ct		-1	83	270		-99 Ct- 83/270/	
114.80		Ap		-1	12	125		-99 Ap- 12/125/	Joint
116.00		S0		-1	55	24		-99 S0- 55/24/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASP%	CPY%:	SPH%:	CERT-ID:	LAB-ID:
83.40	86.40	3.00	M982037	0.014	FA_AAS	0.3	0.0045	0.0130	0.0001	16.0	6.10	1.15	-1	0	-1	-1	TR12170412	
86.40	89.40	3.00	M982038	0.008	FA_AAS	0.3	0.0044	0.0142	0.0001	11.0	6.08	1.07	-1	0	-1	-1	TR12170412	
89.40	92.40	3.00	M982039	0.006	FA_AAS	0.3	0.0049	0.0134	0.0001	14.0	6.12	1.07	-1	0	-1	-1	TR12170412	
92.40	95.40	3.00	M982040	0.005	FA_AAS	0.3	0.0043	0.0133	0.0001	11.0	5.99	0.98	-1	0	-1	-1	TR12170412	
95.40	98.40	3.00	M982041	0.003	FA_AAS	0.3	0.0041	0.0123	0.0001	17.0	5.79	0.86	-1	0	-1	-1	TR12170412	
98.40	101.40	3.00	M982042	0.006	FA_AAS	0.3	0.0044	0.0129	0.0001	16.0	6.12	0.94	-1	0	-1	-1	TR12170412	
101.40	104.40	3.00	M982043	0.003	FA_AAS	0.3	0.0044	0.0128	0.0001	9.0	6.06	0.98	1	0	-1	-1	TR12170412	
104.40	107.40	3.00	M982044	0.006	FA_AAS	0.3	0.0040	0.0124	0.0001	15.0	5.59	0.84	-1	0	-1	-1	TR12170412	
107.40	110.40	3.00	M982048	0.003	FA_AAS	0.3	0.0024	0.0099	0.0001	8.0	4.09	0.45	-1	0	-1	-1	TR12170412	
110.40	113.40	3.00	M982049	0.005	FA_AAS	0.3	0.0036	0.0125	0.0001	14.0	5.45	0.89	-1	0	-1	-1	TR12170412	
113.40	116.30	2.90	M982050	0.005	FA_AAS	0.3	0.0043	0.0133	0.0001	12.0	6.00	0.91	-1	0	-1	-1	TR12170412	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-22 116.3 118.45 2.15 Myl85Shr Msd15Shr

Similar in appearance to the highly sheared "siltstone" observed near the top of the hole.

Extremely sheared unit with bedding nearly perpendicular TCA; sharp upper and lower contacts coincident with bedding/foliations/

Brownish mylonite is considered more strongly biotite altered, with patchy chlorite alteration confined to certain beds and more abundant near Qca veining. Greenish-gray layer is characterized by an increase in chlorite alteration and decrease in biotite alteration in comparison to the upper layer - no notable compositional or structural change.

Unit hosts 3 generations of veins, all of which appear barren:

- 1: Carbonate-quartz-chlorite: more of a vein array that is roughly parallel to bedding (fizz:4/5)
- 2: Quartz-carbonate: approx. 45 degrees TCA, cross cuts bedding and structure (fizz: 3/5)
- 3: Quartz-carbonate: late stage, shallow dipping relative TCA, mm-scale veins that cross cut all other veins, bedding and structure (fizz: 3/5)

1% pyrrhotite, fine to medium disseminated grains

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:														
116.30	118.13	1.83	100Bt3Per 30Cl1Pat	brownish-purple colour = biotite alteration?														
118.13	118.46	0.33	100Cl2Per 50Bt1Pat															
DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:									
116.30		Ct		-1	35	330	-99	Ct- 35/330/										
FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:												
117.10	117.15	0.05	Fto		1 Fto1													
FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%:	ASP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
116.30	118.50	2.20	M982052	0.003	FA_AAS	0.3	0.0028	0.0084	0.0001	13.0	4.84	0.15	1	0	-1	-1	TR12170412	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-22 118.45 125.55 7.1 Mud90Shr Mud10Spe

Typical black, carbonaceous, mudstone (argillite), sometimes speckled (as above) with occasional beds of layered (mm-scale) mudstone and heavily sheared siltstone/mylonite(?). Unit is sheared and the mudstone layer has more micro-folding than the interbedded layer

118.45-120.16: layered (mm-scale) mudstone and coarser siltstone(?). Siltstone(?) is brownish and considered biotite-altered. Cross-cut by rare carbonate stringers and shallow angles TCA.

118.80m: 3cm Quartz-carbonate vein, irregular shape, pinching out in the up-hole direction with 2% pyrrhotite and trace chalcopyrite.

Upper contact = 6cm quartz-carbonate-chlorite vein.

Sharp lower contact.

3 generations of veining:

1: Carbonate-quartz stringers and veins, parallel to bedding and subject to deformation

2: Quartz-Carbonate veins with chlorite on broken surfaces and carbonate stringers; shallow angles TCA, x-cut all bedding and structure

3: Carbonate stringers: array of very thin stringers that x-cut all other veins, bedding and structure

Pyrrhotite mineralization is typical of the hole, with elongated clots or micro-fold fillings, fine stringers, and cubic disseminations (suggesting pyrrh after py).

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
118.80		Cv	-1		17	80	-99	Cv- 17/80/	
124.00		S1	-1		53	50	-99	S1- 53/50/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
118.50	120.55	2.05	M982053	0.005	FA_AAS	0.3	0.0033	0.0108	0.0001	7.0	5.09	0.92	-1	0	-1	-1	TR12170412	
120.55	123.00	2.45	M982054	0.005	FA_AAS	0.3	0.0040	0.0124	0.0001	18.0	5.72	1.07	-1	0	-1	-1	TR12170412	
123.00	125.54	2.54	M982055	0.005	FA_AAS	0.3	0.0035	0.0117	0.0001	10.0	5.07	1.10	-1	0	-1	-1	TR12170412	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-22 125.55 128.86 3.31 Mud60Shr Mud40Shr

Potential fining upwards sequence, or ash-tuff over-lying mudstone.

Upper, light-grey portion is aphanitic and softer than the typical mudstone. It hosts similar Qca-veins that are coincident with bedding and sheared/folded along with the bedding, but contains less pyrrhotite (~2% vs. 5-8%). This units grades downward into the underlying black, carbonaceous mudstone that is typical of the hole.

Within the graded transition between the 2 dominant rock types, carbonate-rich "micro-boudins" are preferentially replaced by pyrrhotite (see photo).

Sharp upper and lower contacts.

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
127.10		S0	-1		70	235	-99	S0- 70/235/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
125.54	128.86	3.32	M982056	0.003	FA_AAS	0.3	0.0030	0.0153	0.0001	9.0	4.43	0.72	0.01	0	-1	-1	TR12170412	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-22 128.86 130.72 1.86 Myl100Shr

Similar to above unit and the "siltstone" at the top of the hole, but more green in colour due to stronger chlorite alteration, and more abundant pyrrhotite (up to 5% locally, finely diss and vein hosted) and pyrite (along healed fracture surfaces). Abundant carbonate in lighter layers (fizz=4/5).

Occasional mudstone layers, up to 3cm, occur throughout.

Sharp upper and lower contacts.

3 generations of veins present; 2 of which are mineralized:

- 1: Remnant qca veins and stringers parallel to bedding and deformed by shearing
- 2: Qca veins at shallow angles TCA (mm-scale), x-cut all structures, host abundant pyrrhotite
- 3: Carbonate-Chlorite-Pyrite, most likely fracture fills, shallow angles TCA, x-cut all structures.

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
129.60		Qv		-1	25	50	-99	Qv- 25/50/	
130.30		S1		-1	60	290	-99	S1- 60/290/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
128.86	130.72	1.86	M982057	0.003	FA_AAS	0.3	0.0021	0.0105	0.0001	5.0	4.69	0.52	1	0	0.01	-1	TR12170412	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-22 130.72 138.63 7.91 Mud100Shr

Carbonaceous mudstone to argillite, typical of hole, with occasional thin silty layers. As with the rest of the hole, the mudstone contains qca-veins that are coincident with bedding and several styles of ~8% pyrrhotite (elongated clots, micro-fold fillings, disseminated, very fine stringers). Mudstone shows typical sheared deformation characteristic of the hole, with microfolding and occasional "bull's eye" fold closures.

3 generations of veins present, some mineralized:

- 1: Qca coincident with bedding, sheared
 - 2: Qca veins / vein arrays at shallow angles TCA, x-cut all bedding and structures, occasionally chloritic.
 - 3: Mineralised quartz-carbonate-chlorite+/- sericite flooded zones or irregular-shaped veins with contacts at steep angles TCA (nearly perpendicular):
- 133.35-133.45m: 10% pyrrhotite, 5% sphalerite, 4% pyrite, potentially very fine trace arsenopyrite (very fine, see silver metallic reflective surfaces, may simply be a reflective surface of py, too fine to tell).
133.50-133.60m: 5% pyrite, 3% sphalerite, trace chalcopyrite, trace pyrrhotite
134.4m and 134.6m: sphalerite and pyrrhotite present

136.3: Carbonate-healt fault (small), with cm-scale displacement

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
136.20		Ca		-1	13	38	-99	Ca- 13/38/	0.4cm
136.30		Ca		-1	23	65	-99	Ca- 23/65/	1.5cm shift
137.30		S1		-1	65	330	-99	S1- 65/330/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
130.72	133.22	2.50	M982058	0.006	FA_AAS	0.3	0.0045	0.0135	0.0001	10.0	6.01	1.18	-1	0	-1	-1	TR12170412	
133.22	135.20	1.98	M982059	0.006	FA_AAS	0.3	0.0045	0.0328	0.0001	16.0	5.96	1.12	0.01	0	-1	1	TR12170412	
135.20	138.20	3.00	M982061	0.010	FA_AAS	0.3	0.0062	0.0192	0.0003	30.0	5.68	0.95	-1	0	-1	-1	TR12170412	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-22 138.63 142.72 4.09 Myl75Shr Mud25Shr

Mylonitic unit similar to above unit and to "siltstone" unit near top of hole. Grey to greenish-grey to purplish-grey, changes in colour attributed to changes in alteration (little to no alteration, vs. dominantly chloritic vs. dominantly biotitic). Occasional remnant feldspar grains suggests this may be a sheared grey wacke. Sharp upper and lower contacts.

139.20-140.27: Black, carbonaceous, sheared and micro-folded mudstone/argillite typical of hole. Occasional speckled alterations. Rarely the carbonate-rich beds or veins coincident with bedding host up to 70% finely disseminated pyrrhotite (e.g. 39.90m). Sharp contacts with surrounding mylonitic units.

Pyrrhotite predominantly disseminated grains and lesser elongated clots, 1% up to 5% locally. Pyrite occurs on fracture surfaces.

3 generations of veins present; 2 of which are mineralized:

- 1: Remnant qca veins and stringers parallel to bedding and deformed by shearing (more prominent in mudstone interval)
- 2: Qca veins at shallow angles TCA (mm-scale), x-cut all structures, minor pyrrhotite association
- 3: Carbonate-Chlorite-Pyrite, most likely fracture fills, shallow angles TCA, x-cut all structures

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
139.30		S1		-1	62	190	-99	S1- 62/190/	
141.40		S1		-1	75	120	-99	S1- 75/120/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPYP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
138.20	140.20	2.00	M982062	0.021	FA_AAS	0.3	0.0045	0.0172	0.0002	40.0	5.46	1.06	-1	0	0.01	-1	TR12170412	
140.20	142.74	2.54	M982063	0.003	FA_AAS	0.3	0.0026	0.0092	0.0001	10.0	5.13	0.33	1	0	-1	-1	TR12170412	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-22 142.72 149.05 6.33 Mud100Shr

Carbonaceous mudstone / argillite typical of hole, with patchy white-speckled alteration and occasional (<10%) thin layers (up to 4cm) of coarser material (siltstone) with abundant disseminated pyrrhotite (10%).

Unit is typically deformed and sheared, with moderate foliations, micro-folds and occasional "bulls-eye" fold closures.

Pyrrhotite is typical of hole, occurring as elongated clots and micro-fold infills, disseminated grains, and very fine stringers.

Very little carbonate present (fizz=1/5), with only carbonate stringers and qca veins reacting to acid.

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
144.00		S0		-1	70	265	-99	S0- 70/265/	
147.80		S0		-1	62	5	-99	S0- 62/5/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPYP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
142.74	145.74	3.00	M982064	0.006	FA_AAS	0.3	0.0048	0.0141	0.0002	12.0	6.06	1.24	-1	0	-1	-1	TR12170412	
145.74	148.74	3.00	M982065	0.003	FA_AAS	0.3	0.0049	0.0156	0.0001	21.0	6.04	1.19	-1	0	-1	-1	TR12170412	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-22 149.05 150.3 1.25 Cgl100Shr

Conglomeratic unit similar to those near the top of the hole. Strongly sheared with elongated coarser clasts up to 2cm (though appear much larger along elongated axis) of mudstone, siltstone, and potentially volcanics in a sheared, very fine blue-grey matrix. Grains are elongated and orientated coincident with bedding and contacts. Patchy chlorite alteration throughout. Pyrrhotite is typical of hole, slightly less abundant than mudstone units, and concentrated in a qtz-crb flooded zone (see below).

Veins:

Pale yellow, carbonate + quartz + sericite veins coincident with bedding.

149.9m: 10cm wide, quartz-carbonate-chlorite-sericite(?) flooded matrix with abundant pyrrhotite (30%).

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
149.05	150.30	1.25	20Bt1Pat 10Ca1Frc 5Cl1Frc 5Sr1Frc	"sericite and chlorite alteration in veins, qtz-crb flooded zones and along fracture surfaces"

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
148.74	150.30	1.56	M982066	0.003	FA_AAS	0.3	0.0034	0.0065	0.0003	6.0	5.91	1.10	-1	0	-1	-1	TR12170412	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-22 150.3 165.7 15.4 Mud100Shr

Typical carbonaceous mudstone/argillite with abundant quartz-calcite-chlorite+/-sericite flooding. Quartz flooding alteration related to fault at basal contact of unit. Unit is sheared with micro-folding and deformation typical of the hole, and pyrrhotite mineralization typical of hole. Upper contact with conglomerate is sharp and coincident with bedding. Basal contact is a carbonate-healed fault (and associated small breccia zone) running roughly perpendicular TCA from 165.05-165.70m. Displacement occurred but is not possible to measure in the core.

- Veins:
1. typical, qtz-crb veining coincident with bedding and structures and subject to shearing
 2. Very rare, late stage carbonate stringers x-cut bedding and structures
 3. qtz-crb-chl flooding is sometimes coincident with bedding and may be considered veining or may be structurally controlled

158.1 - 165.7m: Decreased quartz flooding in the mudstone/argillite.

163.13-165.7m: Abundant quartz-carbonate flooding, infilled with pyrrhotite and chlorite (fault related). Pyrrhotite up to 70% in patches

163.53m: Open fracture with oxidized coatings on carbonate

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
152.26	152.70	0.44	10Sr1Per 5Bt1Per	
153.00	158.00	5.00	20Qz3Loc 5Bt2Pat 5Sr2Pat 5Cl2Loc	"Biotite alteration? Muddy brown, mm-scale layers coincident with bedding and deformed with surrounding rock Sericite and chlorite predominantly within quartz-flooded a and Qca veins"
162.80	165.80	3.00	20Qz4Loc 20Ca3Loc 10Cl2Loc 5Sr1Loc	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
151.30		Cv		-1	16	145	-99	Cv- 16/145/	0.1cm
153.40		S0		-1	50	250	-99	S0- 50/250/	
156.50		S1		-1	60	298	-99	S1- 60/298/	
161.80		Cv		-1	55	245	-99	Cv- 55/245/	
162.10		Ca		-1	10	100	-99	Ca- 10/100/	0.1cm

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
150.30	153.00	2.70	M982067	0.005	FA_AAS	0.5	0.0042	0.0127	0.0002	17.0	5.98	1.09	1	0	-1	-1	TR12170412	
153.00	155.50	2.50	M982068	0.091	FA_AAS	1.4	0.0028	0.0086	0.0001	94.0	5.44	1.27	0.01	0	-1	-1	TR12170412	
155.50	158.12	2.62	M982069	0.010	FA_AAS	0.9	0.0043	0.0210	0.0001	27.0	5.67	1.45	-1	0	-1	1	TR12170412	
158.12	161.00	2.88	M982070	0.012	FA_AAS	0.6	0.0038	0.0206	0.0001	22.0	5.64	1.36	-1	0	-1	0.01	TR12170412	
161.00	163.00	2.00	M982071	0.013	FA_AAS	0.6	0.0041	0.0145	0.0001	19.0	5.90	1.41	-1	0	-1	-1	TR12170412	
163.00	166.00	3.00	M982072	0.037	FA_AAS	0.9	0.0070	0.0137	0.0001	42.0	7.28	2.24	-1	0	-1	-1	TR12170412	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-22 165.7 171.65 5.95 Mud75Shr Slt25Shr

Interbedded siltstone and mudstone/argillite. Both units are typical of the hole, with the siltstone similar to the mylonitic units and siltstone units near the top of the hole.

Mudstone / argillite is carbonaceous with quartz-carbonate veining coincident with bedding. Unit is sheared and deformed. Pyrrhotite abundance and style is typical of the hole, with elongated clots and micro-fracture infills, very fine stringers, and cubic-distorted cubic grains suggesting pyrrh after py, occasional quartz-carbonate rich veins / flooded zones carry up to 50% pyrrhotite locally. Trace sphalerite is also present, sphalerite is very fine and confined to thin deformed beds (?unknown lithology - potentially quartz-carbonate rich horizons).

Siltstone is brownish purple to medium grey, and similar to the units observed at the top of the hole. Siltstone units are bedded and strongly sheared with less pyrrhotite than mudstone units, and weakly pervasive biotite(?) alteration.

170.56-170.74: Limestone, medium grey, laminated, carbonate-rich (fizz=5/5). Contacts are deformed by shearing and not coincident with bedding.

A muddy brown, pervasive alteration is confined to specific, thin beds (<=1mm) throughout the mudstone and siltstone. Likely biotite alteration.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
168.50	169.00	0.50	5Sr1Pat	
169.00	171.50	2.50	35Bt1Per	"Biotite - muddy brown alteration, possibly biotite, pervasive to certain lithological layers"

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
169.50		S0		-1	42	232	-99	S0- 42/232/	
171.10		S1		-1	50	275	-99	S1- 50/275/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
166.00	169.00	3.00	M982073	0.025	FA_AAS	0.7	0.0042	0.0448	0.0001	30.0	5.57	1.52	-1	0	-1	0.01	TR12170412	
169.00	172.00	3.00	M982074	0.021	FA_AAS	0.7	0.0029	0.0122	0.0002	18.0	5.09	1.49	-1	0	-1	-1	TR12170412	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-22 171.65 197.19 25.54 Mud100Shr

Typical carbonaceous, sheared and deformed black mudstone / argillite with quartz-carbonate veining coincident with bedding. Basal contact marked by large fault zone.

Mineralization alternates between dominantly pyrrhotite and dominantly pyrite towards the basal-contact fault zone:

- 183.1-184.8m: pyrite dominant
- 184.5-185.5m: pyrrhotite dominant
- 185.5-188.0m: pyrrhotite = pyrite
- 188.0-191.0m: pyrite dominant
- 191.0-194.9m: pyrrhotite dominant
- 194.9-197.19: pyrite dominant

Faults, Joints and Gouges:

- 176.79m: small (mm-scale) clay filled gouge with disseminated pyrite; sub perpendicular TCA.
- 178.50-179.0m: broken zone, fracturing is coincident with bedding; chl+crb+py on fracture surfaces
- 179m: increased proportion of pyrite, potentially primary pyrite as is shows the same style as pyrrhotite in the rest of the hole
- 181.7-183.0m: abundant qtz-crb flooding with associated chlorite alteration
- 184.5-184.7m: broken core with very fine carbonate stringer "stockwork" cross-cutting bedding and structure at various angles TCA
- 186.1-187.65: broken core with oxidization on fracture surfaces
- 190.0m: mm-scale clay-filled gouge sub-perpendicular TCA; gouge is dark-grey-black
- 196.0-197.19m: increased fine carbonate stringers (type 4 listed below)
- 196.72m: Calcite-healed breccia zone (~2cm wide) with deformation at contacts and evidence of offset, not possible to measure degree of offset; breccia zone x-cuts all bedding and shear-related structures

Veins, Veins Arrays and Stringers:

1. Typical Qca veins coincident with bedding and deformed by shearing
2. Carbonate veins sub-parallel TCA, coincident with faults, x-cut all bedding and shear-related structures
3. Carbonate stringers / stringer arrays, approximately 45 degrees TCA, x-cut all bedding and shear related structures
4. Carbonate stringers / stress micro-fracture fills / mini-arrays - e.g. 184-184.7m

It is not possible to determine the stages of these vein types 2-4 as no x-cutting relationships were observed, though all were post-shearing and deformation of the primary bedding.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
172.00	172.85	0.85	50Bt2Per	"Biotite - muddy brown alteration, possibly biotite, pervasive to certain lithological layers"
176.40	178.20	1.80	25Qz4Loc 25Ca4Loc 25Cl2Loc 30Bt2Per	Chlorite associated with qtz-crb flooded zones
178.20	181.50	3.30	25Bt1Per	"Biotite - muddy brown alteration, possibly biotite, pervasive to certain lithological layers"
181.50	183.00	1.50	20Qz4Loc 20Ca4Loc 5Ox2Frc	oxidization limited to fracture surfaces
186.00	187.00	1.00	10Ox3Frc	oxidization occurs on fracture surfaces only
193.65	194.40	0.75	30Bt1Per	"Biotite - muddy brown alteration, possibly biotite, pervasive to certain lithological layers"
194.50	197.20	2.70	10Qz3Loc 10Ca3Loc 5Cl2Loc	chlorite associated with the quartz-carbonate flooded zones

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
171.80		S0	-1		40	260	-99	S0- 40/260/	
174.80		Cv	-1		37	315	-99	Cv- 37/315/	0.1cm
196.70		Cv	-1		24	270	-99	Cv- 24/270/	0.2cm. Healed breccia with offset. Cannot measure offset beyond scope of core sample.

FROM:	TO:	INTERVAL:	SAMPLENUM:	AG_PPM:	AG_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PT%:	ASPT%:	OPT%:	SPT%:	CERT-ID:	LAB-ID:
172.00	175.00	3.00	M982076	0.012	FA_AAS	0.3	0.0041	0.0152	0.0002	31.0	5.53	1.30	-1	0	-1	-1	TR12170412	
175.00	177.00	2.00	M982077	0.012	FA_AAS	0.3	0.0043	0.0268	0.0002	49.0	5.36	1.25	0.01	0	-1	-1	TR12170412	
177.00	179.00	2.00	M982078	0.012	FA_AAS	0.3	0.0037	0.0163	0.0002	30.0	5.74	1.18	2	0	-1	-1	TR12170412	
179.00	181.00	2.00	M982079	0.006	FA_AAS	0.3	0.0049	0.0136	0.0001	39.0	6.06	1.20	3	0	-1	-1	TR12170412	
181.00	183.50	2.50	M982080	0.007	FA_AAS	0.3	0.0042	0.0109	0.0001	38.0	5.46	1.54	4	0	-1	-1	TR12170412	
183.50	186.00	2.50	M982081	0.008	FA_AAS	0.3	0.0043	0.0124	0.0001	47.0	5.88	1.68	4	0	-1	-1	TR12170412	
186.00	188.00	2.00	M982082	0.005	FA_AAS	0.3	0.0045	0.0275	0.0001	56.0	5.87	1.41	3	0	-1	-1	TR12170412	
188.00	191.00	3.00	M982083	0.005	FA_AAS	0.3	0.0039	0.0133	0.0001	23.0	5.31	1.36	7	0	-1	-1	TR12170412	
191.00	194.00	3.00	M982084	0.005	FA_AAS	0.3	0.0043	0.0133	0.0001	16.0	5.75	1.04	1	0	-1	-1	TR12170412	
194.00	197.00	3.00	M982085	0.007	FA_AAS	0.3	0.0040	0.0135	0.0002	30.0	5.70	1.30	6	0	-1	-1	TR12170412	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-22 197.19 220 22.81 Slt100Shr

Sheared, altered siltstone - similar to siltstone and mylonitic units.

Very fine grained, greenish-grey to purple grey depending on alteration (chlorite +/- biotite +/- sericite) - which decreases away from fault zone.

197.19-200.60: Fault zone, broken core with Fe-oxide staining on surfaces and clay-rich gouge. Fracture surfaces are highly conductive (showing strong response on the OHM meter)

200.60-204.75m: Broken zone, Fe-oxide staining on fracture surfaces.

206.66m: Calcite healed fault / fault breccia, mm-scale with 2cm normal offset (down-hole side slipped down 2cm)

217.5-EOH: increased fracturing and jointing, calcite + chlorite on fracture surfaces

219.3-EOH: clay-rich gouge zone, no recovery

Several generations of veins are present, and tend to change from dominantly calcite, to calcite+chlorite towards the end of the hole.

1. Calcite-quartz veins, coincident with bedding
2. Calcite stringers nearly parallel TCA (coincident with healed fault at 206.66), cross-cut bedding
3. Calcite stringers and veins approximately 45 degrees to bedding (appear later stage than sub-parallel stringers)
4. Calcite-chlorite veins, approximately 45 degrees TCA, start at 216.50m and continue to EOH

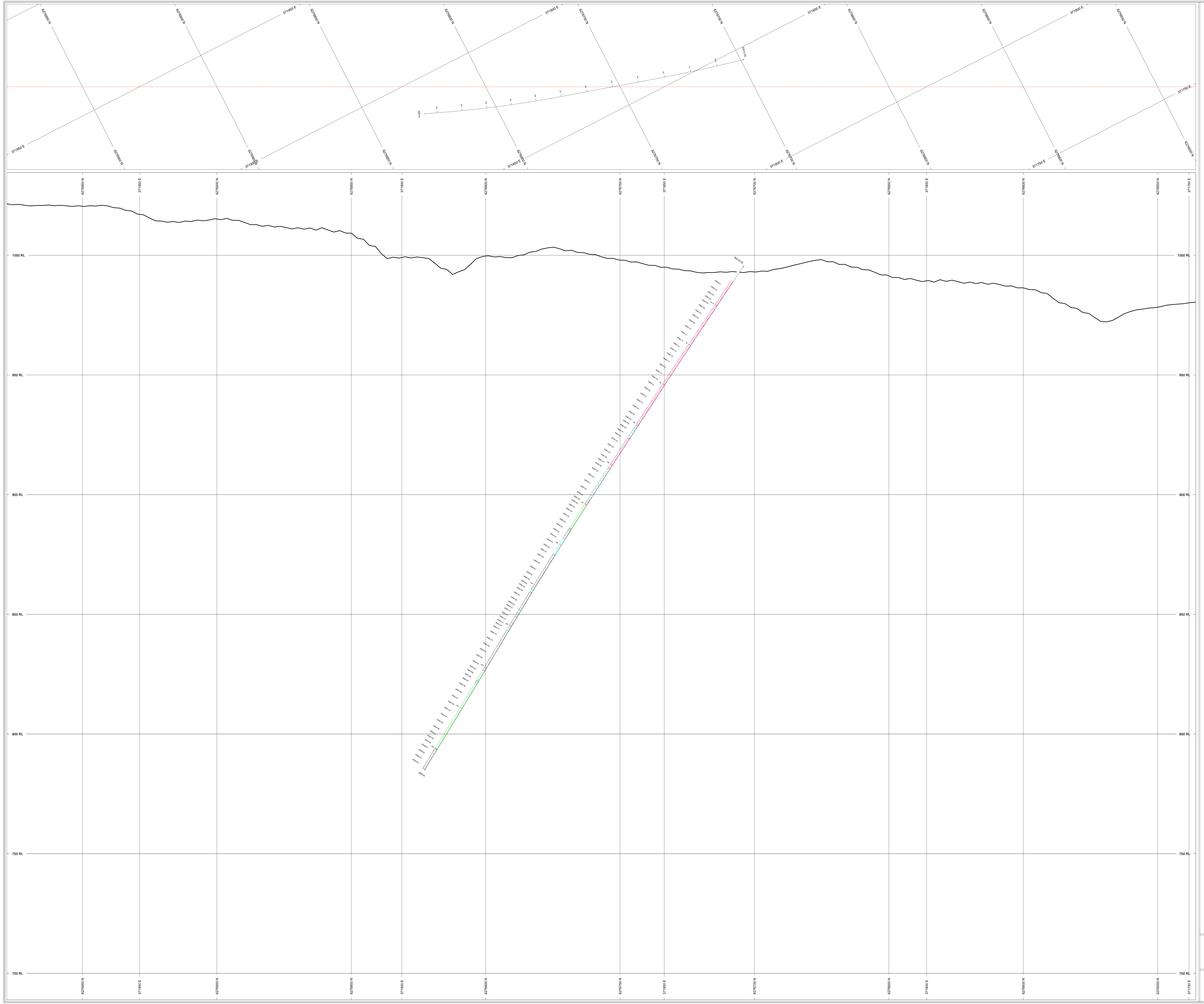
EOH

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
197.20	200.55	3.35	90Cl4Per 60Sr2Per 40Ox3Frc	oxidisation only present on fracture surfaces
200.55	204.50	3.95	50Cl3Per 25Bt2Pat 20Sr1Per 10Ox2Frc	oxidisation only present on fracture surfaces
204.50	216.50	12.00	50Cl2Per 40Bt1Per 10Sr1Pat	
216.50	219.30	2.80	50Cl2Per 10Cl4Frc 1Ox1Frc	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
205.70		S0	-1		64	118	-99	S0- 64/118/	
206.60		Cv	-1		10	220	-99	Cv- 10/220/	0.4cm
212.50		Ca	-1		14	183	-99	Ca- 14/183/	0.2cm
212.60		S1	-1		35	240	-99	S1- 35/240/	
216.00		S1	-1		25	240	-99	S1- 25/240/	

FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:
197.20	197.30	0.10	Fto		1 Fto1	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
197.00	200.00	3.00	M982086	0.003	FA_AAS	0.3	0.0021	0.0089	0.0001	17.0	4.80	0.49	1	0	-1	-1	TR12170412	
200.00	203.00	3.00	M982087	0.005	FA_AAS	0.3	0.0011	0.0087	0.0001	9.0	4.91	0.11	0.01	0	-1	-1	TR12170412	
203.00	206.00	3.00	M982088	0.003	FA_AAS	0.3	0.0008	0.0093	0.0001	2.5	4.73	0.09	1	0	-1	-1	TR12170412	
206.00	209.00	3.00	M982089	0.005	FA_AAS	0.3	0.0029	0.0105	0.0001	2.5	4.84	0.14	1	0	-1	-1	TR12170412	
209.00	212.00	3.00	M982091	0.003	FA_AAS	0.3	0.0008	0.0079	0.0001	2.5	4.30	0.04	0.01	0	-1	-1	TR12170412	
212.00	215.00	3.00	M982092	0.003	FA_AAS	0.3	0.0034	0.0070	0.0001	6.0	4.21	0.08	0.01	0	-1	-1	TR12170412	
215.00	217.00	2.00	M982093	0.009	FA_AAS	0.3	0.0004	0.0043	0.0001	2.5	4.23	0.12	0.01	0	-1	-1	TR12170412	
217.00	220.00	3.00	M982094	0.014	FA_AAS	0.3	0.0002	0.0068	0.0001	6.0	4.96	0.15	0.01	0	-1	-1	TR12170412	



TOPOGRAPHY
DEM

BAR GRAPHS
L R CCL
Acc. gph R

ROCK CODES
L R CCL LABEL DESCRIPTION
Ovs Ovs Overburden
Osh Osh Shale
Msk Msk Mafic Dykes/Sill
Sst Sst Sandstone
Tst Tst Tuff-Like
Cvx Cvx Chert

POSTED TEXT
L R TEXT ITEMS
Sens3D L AS

SECTION SPECS:
REF. PT. E. N 371862.0 627670.0
EXTENTS 487.0 345.7
SECTION TOP. BOT 1035.0 666.9
TOLERANCE ± 50.0

SCALE 1 - 500
0 4 8 12 16
M
NAZD83 UTM zone 59V

AZIMUTH = 207.124°
N
W E
S

Iskut Property (SGG.TSX)
Iskut Property (SG12-23)
371862E SECTION
Cross-Section: 27725BE



HOLE-ID: **SG12-23**
 UTM East: 371,845.04
 UTM North: 6,276,698.97
 Elevation: 995.31
 Length (m): 250.00
 ZONE: Burnie_C-1
 Collar CrossSection:

Drill Company: NoLimitDrilling
 Logged By: Emily Hanson
 Operator:
 Purpose:
 Casing:
 Year: 2012
 Proposed HID: PC_009b

DISTANCE:	AZIMUTH:	DIP:	SURVEYTYPE:	COMMENTS:
55.00	15.70	-56.20	ReflexGyro	
110.00	16.60	-56.70	ReflexGyro	
105.00	16.80	-56.70	ReflexGyro	
100.00	16.90	-56.70	ReflexGyro	
95.00	16.80	-56.60	ReflexGyro	
90.00	16.70	-56.50	ReflexGyro	
85.00	16.50	-56.50	ReflexGyro	
80.00	16.50	-56.50	ReflexGyro	
75.00	16.30	-56.50	ReflexGyro	
70.00	16.40	-56.40	ReflexGyro	
0.00	13.60	-55.60	ReflexGyro	
60.00	16.00	-56.30	ReflexGyro	
125.00	16.30	-57.00	ReflexGyro	
50.00	15.60	-56.10	ReflexGyro	
45.00	15.50	-56.00	ReflexGyro	
40.00	15.20	-55.90	ReflexGyro	
35.00	14.90	-55.80	ReflexGyro	
30.00	14.60	-55.70	ReflexGyro	
25.00	14.30	-55.60	ReflexGyro	
20.00	14.00	-55.60	ReflexGyro	
15.00	13.80	-55.60	ReflexGyro	
10.00	13.60	-55.50	ReflexGyro	
5.00	13.60	-55.40	ReflexGyro	
65.00	16.30	-56.40	ReflexGyro	
175.00	18.50	-58.70	ReflexGyro	
235.00	22.30	-58.40	ReflexGyro	
230.00	22.30	-58.40	ReflexGyro	
225.00	21.90	-58.50	ReflexGyro	
220.00	21.60	-58.60	ReflexGyro	
215.00	21.20	-58.70	ReflexGyro	
210.00	21.10	-58.80	ReflexGyro	
205.00	20.80	-58.80	ReflexGyro	
200.00	20.40	-58.90	ReflexGyro	
195.00	20.00	-59.00	ReflexGyro	
190.00	19.70	-58.90	ReflexGyro	

DISTANCE:	AZIMUTH:	DIP:	SURVEYTYPE:	COMMENTS:
115.00	16.40	-56.70	ReflexGyro	
180.00	18.80	-58.70	ReflexGyro	
120.00	16.20	-56.80	ReflexGyro	
170.00	18.10	-58.60	ReflexGyro	
165.00	18.00	-58.20	ReflexGyro	
160.00	17.70	-58.00	ReflexGyro	
155.00	17.50	-57.90	ReflexGyro	
150.00	17.30	-57.70	ReflexGyro	
145.00	17.00	-57.60	ReflexGyro	
140.00	16.70	-57.40	ReflexGyro	
135.00	16.40	-57.30	ReflexGyro	
130.00	16.30	-57.10	ReflexGyro	
240.00	22.60	-58.30	ReflexGyro	
185.00	19.40	-58.80	ReflexGyro	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-23 0 7.94 7.94 Ovb100

Boulders of schistose, biotite altered diorite

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-23 7.94 13.45 5.51 Dio100Shr

Brownish-grey, sheared to schistose diorite with abundant biotite (alteration?) showing preferred orientation (shear fabric). Diorite comprised of 60% plagioclase, up to 10% hornblende and trace quartz in a dark, fine grained, sheared matrix. Feldspar occurs as laths and more round, anhedral grains up to 5mm. Oxidization on fracture surfaces decrease downhole.

Trace to 1% pyrite locally.

Veins: Calcite+chlorite and Quartz-calcite-chlorite veins occur throughout

Calcite: 1/5 fizz test, reaction with HCL confined to calcite stringers and Qca veins.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
7.94	12.54	4.60	100Bt3Int 50Ox2Frc 10Cl1Pat	"oxidation on fracture surfaces only, likely related to surface weathering abundant biotite, preferred orientation chlorite present in Qca veins"

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
10.00	13.00	3.00	M982101	0.003	FA_AAS	0.3	0.0155	0.0261	0.0001	2.5	5.38	0.09	0.01	0	-1	-1	TR12175831	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-23 13.45 51.05 37.6 Dio100Msv

Grey to brownish-grey to greenish-grey diorite. Diorite is comprised of 50-60% plagioclase laths and anhedral grains up to 5mm, approx. 5-10% hornblende, and biotite in a fine grained dark grey matrix. Plagioclase does not show any distinct preferred orientation. Biotite ranges from 3% to 10% locally - considered alteration but may also be primary. Unit is weakly sheared and shearing / schistosity increase downhole. Gradational upper and lower contacts between more-schistose and biotite-rich diorite, and more uniform weakly sheared diorite with less biotite. Trace chalcopryrite and pyrite.

27.75-29.35: increased biotite and schistose look to diorite, otherwise same composition

37.55-38.67: increased biotite content

Alteration is variable throughout intersection, with sericite, biotite, chlorite and calcitic alteration (see alteration log for detailed intersections). Sericite alteration is bright yellow-green and ranges from fracture/stringer controlled to pervasive plagioclase alteration. Sericite appears to overprint another alteration in places (may be weak chlorite alteration; e.g. 44.4-44.5m).

Veins:

Quartz, Quartz-calcite+/-chlorite, and calcite+/-chlorite veins occur throughout, are usually mm-scale and comprise approximately 1-5% of the intersection. Sericite altered veins, micro-fracture fills, and stringers increase from 22.2-49.3m. The dominant vein types are as follows, cannot comment on evolution of veins because no obvious x-cutting relationships are present (all measurements made from orientated core line):

- Qca, 125 degrees TCA
- Cv or Ca, 70 degrees TCA
- Calcite stringers, 80-85 degrees TCA
- Qca, 175 degrees TCA- contain up to 1% chalcopryrite
- Calcite-chlorite, 135-140 degrees TCA, trace chalcopryrite

Faults and Broken Zones:

18.4-18.9m: Altered Fto /breccia / broken zone. Surrounding country rock is silicified / baked looking. Broken zone contains brecciated quartz cemented together by dark-green chlorite-looking material with a sugary texture. Weak sericite alteration present. Core not orientated, no measurement possible.

19.64-19.85m: Same as above but with increase sericite alteration. No orientated core.

36.837.35: Fault running sub-parallel TCA, healed with calcite and chlorite (needle-like calcite crystals extend into chlorite clots). No notable off-set, weak distortion/folding of plag grains at fault boundary.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
12.54	16.24	3.70	100Bt1Int 1Cl1Pat	biotite shows preferred orientation giving diorite a weakly schistose appearance chlorite associated with Qca veining
16.24	17.00	0.76	1Ox1Frc 1Cl1Frc	oxidization and chlorite on fracture surfaces
17.10	17.15	0.05	75Si4Per 10Cl5Frc	chlorite-infilled fracture in the middle of a silicified zone; chlorite has a sugary texture
18.40	18.90	0.50	100Si4Per 10Cl4Frc 10Sr2Frc	"broken zone, silicification pervasive into country rock, chlorite and sericite fracture controlled / fracture infills"
18.90	19.64	0.74	1Cl4Pat	chlorite related to Qca vein
19.64	19.85	0.21	100Si4Per 10Cl3Frc 50Sr2Per	similar to upper silicified fracture zone but with more intense sericite alteration
19.85	22.20	2.35	40Sr2Frc	patchy sericite alteration of feldspars along sericitic stringers (bright yellow)
22.20	24.80	2.60	50Sr3Pat	sericite alteration still fracture/stringer controlled but more pervasive into feldspars than above alteration (bright yellow)
29.70	37.55	7.85	75Sr4Pat 100Cl1Per 2Cl4Frc	weak chlorite alteration(???) overprinted by strong sericite alteration of feldspars (100% of the feldspars in approx 75% of the rock); occasional sericite-alt stringer chlorite fr controlled associated with QCA healed fracture at bottom of interval
37.55	49.30	11.75	80Sr4Pat 100Cl2Per	"again seeing weak chlorite alteration(???) overprinted by sericite alteration, patchy, pervasive alteration of feldspars and fracture controlled / sericite stringers strong chlc also present in Qca veins"

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
49.30	50.00	0.70	100Cl1Per	appears weakly chlorite altered(?)
50.00	50.70	0.70	100Cl1Per 5Sr2Frc	healed fracture / stringer running sub-parrallel TCA with a sericitic halo

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
21.29		Qv		-1	5	295	-99	Qv- 5/295/	.4cm
21.56		qv		-1	55	324	-99	qv- 55/324/	.2cm
21.66		cv		-1	60	240	-99	cv- 60/240/	.3cm
24.28		cv		-1	58	214	-99	cv- 58/214/	.2cm
34.93		cv		-1	55	130	-99	cv- 55/130/	.3cm
35.90		qv		-1	45	285	-99	qv- 45/285/	1.3cm
39.97		cv		-1	19	283	-99	cv- 19/283/	.3cm
44.72		cv		-1	42	322	-99	cv- 42/322/	.2cm
45.62		s1		-1	50	150	-99	s1- 50/150/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
13.00	16.00	3.00	M982102	0.003	FA_AAS	0.3	0.0148	0.0083	0.0001	5.0	4.67	0.12	2	0	-1	-1	TR12175831	
16.00	18.00	2.00	M982103	0.003	FA_AAS	0.3	0.0163	0.0096	0.0001	2.5	4.75	0.21	5	0	-1	-1	TR12175831	
18.00	20.20	2.20	M982104	0.003	FA_AAS	0.3	0.0175	0.0083	0.0001	2.5	4.65	0.03	0.01	0	-1	-1	TR12175831	
20.20	22.20	2.00	M982105	0.003	FA_AAS	0.3	0.0170	0.0088	0.0001	2.5	5.22	0.02	0.01	0	0.01	-1	TR12175831	
22.20	25.20	3.00	M982106	0.003	FA_AAS	0.3	0.0183	0.0102	0.0002	5.0	6.10	0.03	0.01	0	-1	-1	TR12170412	
25.20	27.50	2.30	M982107	0.005	FA_AAS	0.3	0.0194	0.0104	0.0002	2.5	6.13	0.06	1	0	-1	-1	TR12170412	
27.50	29.70	2.20	M982108	0.005	FA_AAS	0.3	0.0194	0.0104	0.0002	5.0	6.33	0.44	2	0	-1	-1	TR12170412	
29.70	32.70	3.00	M982109	0.005	FA_AAS	0.3	0.0199	0.0098	0.0001	2.5	6.23	0.03	0.01	0	-1	-1	TR12170412	
32.70	35.70	3.00	M982110	0.003	FA_AAS	0.3	0.0181	0.0102	0.0001	5.0	6.13	0.08	0.01	0	-1	-1	TR12170412	
35.70	38.70	3.00	M982111	0.003	FA_AAS	0.3	0.0141	0.0095	0.0001	6.0	5.91	0.06	1	0	0.01	-1	TR12170412	
38.70	41.70	3.00	M982112	0.006	FA_AAS	0.3	0.0178	0.0102	0.0001	2.5	6.15	0.03	0.01	0	0.01	-1	TR12170412	
41.70	44.20	2.50	M982113	0.005	FA_AAS	0.3	0.0177	0.0100	0.0002	2.5	5.96	0.02	0.01	0	-1	-1	TR12170412	
44.20	46.70	2.50	M982114	0.003	FA_AAS	0.3	0.0185	0.0100	0.0002	2.5	6.22	0.03	0.01	0	0.01	-1	TR12170412	
46.70	49.30	2.60	M982116	0.003	FA_AAS	0.3	0.0239	0.0098	0.0003	2.5	6.04	0.03	0.01	0	-1	-1	TR12170412	
49.30	52.00	2.70	M982117	0.003	FA_AAS	0.3	0.0188	0.0129	0.0001	2.5	6.14	0.07	0.01	0	-1	-1	TR12175831	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-23 51.05 59.62 8.57 Dio100Shr

Similar to above unit but with increased biotite content (5-7%) and weakly schistose texture and more prominent S1 fabric.

Diorite is brownish-grey with abundant plagioclase (50-60%), hornblende (5-10%) and biotite set in a fine grained matrix. Plagioclase occurs as laths to anhedral grains up to 5mm; biotite occurs as elongated "wispy" books orientated with S1.

Contacts are gradation with the upper, less schistose diorite, and lower, more schistose diorite.

With the exception of biotite, alteration is less pervasive, with little to no sericite, chlorite along fracture surfaces and within veins, and patchy matrix-bound calcite as well as calcite veins and stringers.

Veins and stringers are the same as the above unit.

Faults and Broken Zones:

55.40-55.70: Fault, open, with broken core and weak oxidization on fracture surfaces. Fault at 15 degrees to orientated core axis.

59.51-59.62: Broken, jointed zone with a 4cm quartz + sugary chlorite vein at 90 degrees TCA. No sulphides noted.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
50.70	55.40	4.70	100Cl1Per 1Bt1Per	"appears chlorite altered(?) increased biotite content, shows preferred orientation, may be primary(?)"
55.40	55.80	0.40	5Ox2Frc	oxidized surfaces on an Fto
55.80	55.90	0.10	10Sr3Frc 50Ca3Per	"sericite altered mm-scale vein (bright yellow) calcite present, fizz test = 3/5 calcite flooded matrix = calcite in matrix outside of veins and stringers and refers to reaction w 6% HCL"
55.90	59.55	3.65	100Bt1Per	"increased biotite content, may be primary(?), shows preferred orientation with S1"
59.55	59.65	0.10	10Qz5Loc 3Cl4Loc 0Si1Per 1Ox1Frc	"Quartz-flooded zone around a jointed area, chlorite predominant within the quartz-flooding but also weakly pervasive into the surrounding, silicified country rock; oxidizatic the fracture / joint surfaces"

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
51.30		s1	-1		52	150	-99	s1- 52/150/	
52.87		cv	-1		37	165	-99	cv- 37/165/	2.3cm
57.60		s1	-1		40	130	-99	s1- 40/130/	

FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:
55.75	55.85	0.10	Fto		0 Fto	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
52.00	55.00	3.00	M982118	0.003	FA_AAS	0.3	0.0212	0.0107	0.0001	5.0	6.34	0.06	1	0	-1	-1	TR12175831	
55.00	58.00	3.00	M982119	0.003	FA_AAS	0.3	0.0225	0.0110	0.0001	2.5	6.48	0.03	0.01	0	0.01	-1	TR12175831	
58.00	61.00	3.00	M982120	0.003	FA_AAS	0.3	0.0241	0.0107	0.0001	2.5	6.42	0.04	0.01	0	-1	-1	TR12175831	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-23 59.62 80.7 21.08 Dio100Shr

Similar to above units, same composition of 50-60% plagioclase, 5-10% hornblende with a greater biotite content (7-10%) in a sheared, fine grained, dark matrix. Biotite shows preferred orientation. Schistose texture, and prominent S1 fabric, dipping approx. 280 TCA (based on oriented core measurement). Increased abundance of jointing, faulting and broken zones. Fracture, joint and open fault surfaces coated with chlorite + calcite +/- yellow-tan clay +/- pyrite. Veining more abundant than upper, less sheared diorite. Upper "contact" is gradational, basal contact is sharp at 20/160 degrees TCA (un-orientated core).

78.95-79.20m: sandstone/grey-wacke (rip-up clast?).

79.28-80.78m: decreased abundance of veins and stringers, increased joining roughly parallel to basal contact.

Veins and stringers:

Slightly more abundant, 3-7%, with several generations of veins present, including:

1. Quartz-calcite veins, coincident with orientated biotite grains, 40-50 degrees TCA (oldest, x-cut by all other veins, fractures and faults)
 - Calcite arrays, 120 degrees TCA, <2mm, x-cut S1 fabric
 - Calcite veins, 70-80 degrees TCA, 5-20mm, x-cut S1 fabric, increase and widen from 76.5-78.75m
 - Quartz-calcite-chlorite veins and fracture fills, sub-parallel TCA, contain pyrite, cross cut S1 fabric

Faults and Broken Zones:

64.26-65: Oxidized fracture running sub-parallel TCA.

70.25m: Fth with 5mm displacement between the hanging wall and foot wall (hanging wall drops down relative to footwall in core). Fault fracture approx. 30 degrees TCA (un-oriented core).

70.85m: Broken or faulted zone healed with calcite+chlorite with pyrite; surrounding country rock is bleached (approx. 10cm into the hanging wall).

72.20-72.95m: Fto / Fth running sub-parallel TCA (core not orientated). Open fault-fracture surfaces coated with chlorite, crystalline calcite, yellow-tan clay and pyrite (disseminated and "smeared").

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
59.65	62.50	2.85	5Cl3Loc 100Bt1Per	"chlorite predominantly infills and clots along calcite stringers or associated with qca veining biotite shows preferred alignment, may be primary(?)"
62.50	65.00	2.50	100Bt2Per 2Ox3Frc	"biotite may be primary(?), shows preferred orientation with shear-fabric oxidization present on fracture and jointing surfaces"
65.00	70.70	5.70	100Bt2Per	biotite may be primary(?) - reddish brown colour to rock
70.70	71.00	0.30	100Qz1Per 25Cl3Pat	alteration above a joint and associated with fine quartz veining; chlorite pervasive and clots; disseminated pyrite throughout
71.00	80.70	9.70	100Bt2Per 100Cl1Per	biotite shows preferred orientation with shear fabric; appears weakly chlorite altered throughout with chlorite present on fracture surfaces as well

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
61.40		s1	-1		47	285	-99	s1- 47/285/	
64.23		cv	-1		19	-99	-99	cv- 19//	.4cm
67.64		cv	-1		70	278	-99	cv- 70/278/	.3cm
67.74		cv	-1		33	96	-99	cv- 33/96/	.2cm
70.37		ca	-1		44	-99	-99	ca- 44//	
73.66		ca	-1		25	185	-99	ca- 25/185/	
76.77		cv	-1		51	148	-99	cv- 51/148/	.2cm
77.42		cv	-1		42	132	-99	cv- 42/132/	.8cm

FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:
59.56	59.76	0.20	Fto		0 Fto	

FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:												
70.27	70.37	0.10	Fth		0 Fth													
FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
61.00	63.70	2.70	M982121	0.003	FA_AAS	0.3	0.0177	0.0106	0.0001	2.5	6.30	0.06	1	0	0.01	-1	TR12175831	
63.70	66.70	3.00	M982122	0.003	FA_AAS	0.3	0.0218	0.0113	0.0001	2.5	6.72	0.04	0.01	0	-1	-1	TR12175831	
66.70	69.70	3.00	M982123	0.006	FA_AAS	0.3	0.0208	0.0112	0.0001	2.5	6.50	0.05	0.01	0	-1	-1	TR12175831	
69.70	72.70	3.00	M982124	0.005	FA_AAS	0.3	0.0179	0.0099	0.0001	2.5	6.14	0.38	3	0	-1	-1	TR12175831	
72.70	75.70	3.00	M982125	0.003	FA_AAS	0.3	0.0198	0.0097	0.0001	6.0	6.15	0.18	0.01	0	-1	-1	TR12175831	
75.70	78.70	3.00	M982126	0.003	FA_AAS	0.3	0.0177	0.0100	0.0001	2.5	6.32	0.17	0.01	0	0.01	-1	TR12175831	
78.70	80.70	2.00	M982127	0.003	FA_AAS	0.3	0.0167	0.0153	0.0001	2.5	6.55	0.11	0.01	0	-1	-1	TR12175831	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-23 80.7 87 6.3 Mdk100Por

Black, porphyritic, miarolitic, magnetic, mafic dyke with abundant plagioclase phenocrysts, hornblende, olivine, magnetite (very fine grained, not visible but dyke is magnetic). 10% plagioclase phenocrysts laths are 1-10mm long and rarely up to 15mm. Olivine rarely up to 5mm and predominantly altered (chlorite/serpentine?). Plagioclase also occurs as fine, needle-like laths in the matrix; matrix is otherwise fine grained and dark grey-green. Dyke is slakey (swells and fractures with water) suggesting a clay component.

10cm chill margins at upper and lower contacts. Contacts are sharp, upper at 20/160 degrees TCA and lower 10-15 degrees TCA.

Little to no carbonate present (1/5 on fizz test).

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
80.70	82.70	2.00	M982128	0.003	FA_AAS	0.3	0.0021	0.0115	0.0001	2.5	8.76	0.16	-1	0	-1	-1	TR12175831	
82.70	85.00	2.30	M982129	0.003	FA_AAS	0.3	0.0024	0.0109	0.0001	2.5	8.56	0.13	-1	0	-1	-1	TR12175831	
85.00	87.00	2.00	M982131	0.003	FA_AAS	0.3	0.0040	0.0115	0.0001	2.5	8.43	0.18	-1	0	-1	-1	TR12175831	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-23 87 101.84 14.84 Dio100Shr

Diorite, similar to above units:

Brownish-grey diorite with abundant plagioclase (50-60%), hornblende (5-10%) and biotite set in a fine grained matrix. Plagioclase occurs as laths to anhedral grains up to 5mm; biotite occurs as elongated "wispy" books orientated with S1 fabric and is considered alteration. Veins and stringers are similar to above unit. Sharp upper and lower contacts, although lower contact with mafic dyke is broken.

Faults and Broken Zones:

89.92-91.10m: broken zone / faulted zone with major fracture running sub-parallel TCA; calcite + chlorite + pyrite or pyrrhotite along the fracture surface

91.10-97.40m: increased broken zones and jointing with chlorite + calcite + pyrite or pyrrhotite along fracture surfaces

97.4-101.84m: broken, open faulted zone, upper broken surface of fault at 15/165 TCA (un-orientated core) angular rock fragments down to pebble-size, oxidized on fracture surfaces, occasional sulphide on fracture surfaces

94.6-95.23m: increased quartz-carbonate veining

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
87.00	97.40	10.40	100Bt2Per 25Cl1Pat	biotite shows preferred orientation with shear fabric; appears weakly chlorite altered throughout with chlorite present on fracture surfaces as well
97.40	101.84	4.44	100Bt2Per 100x3Frc	"oxidization on fracture surfaces, broken fault zone"

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
87.00	89.00	2.00	M982132	0.003	FA_AAS	0.3	0.0203	0.0105	0.0001	5.0	6.47	0.06	0.01	0	-1	-1	TR12175831	
89.00	92.00	3.00	M982133	0.003	FA_AAS	0.3	0.0188	0.0113	0.0001	2.5	6.75	0.05	0.01	0	-1	-1	TR12175831	
92.00	95.00	3.00	M982134	0.003	FA_AAS	0.3	0.0191	0.0112	0.0001	8.0	6.57	0.14	0.01	0	0.01	-1	TR12175831	
95.00	97.40	2.40	M982135	0.003	FA_AAS	0.3	0.0186	0.0097	0.0001	2.5	6.05	0.81	3	0	-1	-1	TR12175831	
97.40	100.00	2.60	M982136	0.003	FA_AAS	0.3	0.0207	0.0117	0.0001	2.5	6.56	0.35	0.01	0	-1	-1	TR12175831	
100.00	101.84	1.84	M982137	0.003	FA_AAS	0.3	0.0195	0.0117	0.0001	2.5	6.97	0.03	0.01	0	-1	-1	TR12175831	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-23 101.84 118.7 16.86 Mdk100Por

Same as above mafic dyke: Black, porphyritic, miarolitic, magnetic, mafic dyke with abundant plagioclase phenocrysts, hornblende, olivine, magnetite (very fine grained, not visible but dyke is magnetic). 10% plagioclase phenocrysts laths are 1-10mm long and rarely up to 15mm. Olivine rarely up to 5mm and predominantly altered (chlorite/serpentine?). Plagioclase also occurs as fine, needle-like laths in the matrix; matrix is otherwise fine grained and dark grey-green. Dyke is slakey (swells and fractures with water) suggesting a clay component.

Chill margins from: 101.84-120m, with very fine carbonate stringer array; and the lower from 118.35-118.70m.

Contacts are sharp and broken.

Little to no carbonate present (1/5 on fizz test).

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
101.84		ct		-1	60	322	-99	ct- 60/322/	.6cm
101.98		ca		-1	30	334	-99	ca- 30/334/	
110.92		cv		-1	74	301	-99	cv- 74/301/	~14 over 4.5cm
116.79		jn		-1	45	2	-99	jn- 45/2/	.1cm
117.39		jn		-1	30	5	-99	jn- 30/5/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
101.84	104.00	2.16	M982138	0.003	FA_AAS	0.3	0.0021	0.0119	0.0001	2.5	9.07	0.18	-1	0	-1	-1	TR12175831	
104.00	107.00	3.00	M982139	0.003	FA_AAS	0.3	0.0019	0.0113	0.0001	2.5	8.90	0.14	-1	0	-1	-1	TR12175831	
107.00	110.00	3.00	M982140	0.003	FA_AAS	0.3	0.0019	0.0111	0.0001	2.5	8.89	0.14	-1	0	-1	-1	TR12175831	
110.00	113.00	3.00	M982141	0.003	FA_AAS	0.3	0.0017	0.0106	0.0001	2.5	8.43	0.13	-1	0	-1	-1	TR12175831	
113.00	116.00	3.00	M982142	0.003	FA_AAS	0.3	0.0032	0.0120	0.0002	2.5	8.90	0.14	-1	0	-1	-1	TR12175831	
116.00	118.70	2.70	M982143	0.003	FA_AAS	0.3	0.0028	0.0115	0.0001	2.5	8.73	0.15	-1	0	-1	-1	TR12175831	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-23 118.7 120 1.3 Dio100Shr

Diorite, same as above schistose diorite units but with little to no biotite and increased chlorite alteration:

Brownish-grey diorite with abundant plagioclase (50-60%) and hornblende (5-10%) set in a fine grained matrix. Plagioclase occurs as laths to anhedral grains up to 5mm; 1-3% biotite occurs as elongated "wispy" books orientated with S1 fabric and is considered alteration; increased chloritic alteration. Veins and stringers are similar to above unit. Sharp upper contact and irregular lower contact.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
118.70	119.30	0.60	50Cl1Pat	"mottled diorite, mottles likely related to chlorite alteration"

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
118.70	120.45	1.75	M982144	0.003	FA_AAS	0.3	0.0141	0.0106	0.0001	2.5	6.96	0.04	-1	0	-1	-1	TR12175831	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-23 120 132 12 Sst85Msv Sst15Msv

Greenish-grey to purplish-brownish-grey, medium grained sandstone. Moderately sorted with occasional coarse grains, grain supported with SA-SR grains of feldspar+quartz>lithics. Sandstone is massive to weakly bedded, appears fairly un-deformed by shearing

120.0-129.3: greenish-grey, potentially weakly chlorite altered

129.3-132.0: purplish-brownish-grey with weak biotite alteration; biotite alteration predominantly fracture-controlled at the top of the altered unit and becomes progressively more pervasive towards the basal contact.

125.60-125.70: bleached zone around a quartz-calcite vein with sericite alteration, trace chalco

Sharp upper contact at 45 degrees TCA

Sharp basal contact at 30 degrees TCA

Veining:

Several generations of veins are present, and include quartz-calcite-chlorite, quartz-calcite, and calcite veins, stringers and vein arrays. The most abundant vein types are as follows:

1. Qca vein array, 35 degrees TCA, x-cut type 2 veins
2. Calcite stringers, 130 degrees TCA
3. Qcc, 135 degrees TCA (may be fracture fills)
4. Qca, 45 degrees TCA, host trace sulphides
5. Calcite stringer, 170 degrees TCA (rare)

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
119.30	125.50	6.20	30Ca1Pat	calcite flooded matrix = calcite in matrix outside of veins and stringers and refers to reaction with 5-6% HCL
125.50	125.65	0.15	50Bt3Loc 40Cl2Loc 10Sr1Loc	"altered area around a pyrhotite+calcite stringer; biotite alteration in hanging wall, chlorite in footwall"
130.20	132.00	1.80	100Bt1Per	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
119.97		ct		-1	55	45	-99	ct- 55/45/	
122.84		ca		-1	35	70	-99	ca- 35/70/	.1cm
125.57		cv		-1	45	60	-99	cv- 45/60/	.1cm
126.02		ca		-1	39	31	-99	ca- 39/31/	.2cm
127.53		cv		-1	40	90	-99	cv- 40/90/	2.8cm
129.29		cv		-1	50	300	-99	cv- 50/300/	.1cm
129.39		cv		-1	15	320	-99	cv- 15/320/	.1cm
129.49		cv		-1	45	90	-99	cv- 45/90/	.3cm
131.03		cv		-1	35	290	-99	cv- 35/290/	.4cm

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
120.45	122.45	2.00	M982146	0.003	FA_AAS	0.3	0.0056	0.0099	0.0001	2.5	6.69	0.02	-1	0	-1	-1	TR12175831	
122.45	124.60	2.15	M982147	0.003	FA_AAS	0.3	0.0050	0.0095	0.0001	2.5	6.18	0.05	-1	0	-1	-1	TR12175831	
124.60	126.60	2.00	M982148	0.003	FA_AAS	0.3	0.0047	0.0103	0.0001	2.5	6.28	0.12	-1	0	0.01	-1	TR12175831	
126.60	129.60	3.00	M982149	0.003	FA_AAS	0.3	0.0049	0.0103	0.0001	7.0	6.51	0.09	0.01	0	-1	-1	TR12175831	
129.60	132.00	2.40	M982150	0.003	FA_AAS	0.3	0.0066	0.0114	0.0001	5.0	6.62	0.48	0.01	0	-1	-1	TR12175831	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-23 132 136.9 4.9 Tlp100Shr

Schistose, brown, lapilli tuff coarsening downhole. Composed of elongated clasts and plagioclase up to 5mm grading downhole to 5-20mm in fine-grained to ashy, brownish-tan matrix. Grains and clasts weakly orientated at 50 degrees TCA (coincident with S1 fabric inclination). Tuff is biotite altered, with up to 10% wispy, interstitial biotite orientated with S1 shear fabric and cross cut by several (3%) carbonate-quartz-chlorite and carbonate veins and stringers. Trace to 1% pyrite and pyrrhotite, trace chalcopryite, all sulphides dominantly vein-hosted or on fracture surfaces. Upper and lower contacts sharp.

136.30-136.9m: larger, more elongated clasts with better developed bedding, both of which are orientated with S1 fabric (approx. 50 degrees TCA). Biotite is less abundant than finer tuff, with 3-5% patchy biotite confined to finer grain areas.

Veins and stringers:

1. Calcite stringers, various angles TCA
2. Calcite-chlorite, 40 degrees TCA, rare
3. Calcite-quartz+-chlorite veins, sub-parallel TCA, late stage, x-cut all other veins and structures, veins without chlorite contain sulphides

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:														
132.00	136.90	4.90	100Bt3Per															
DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:									
132.00		ct		-1	31	100		-99 ct- 31/100/										
133.73		s1		-1	50	35		-99 s1- 50/35/										
FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
132.00	134.50	2.50	M982152	0.007	FA_AAS	0.5	0.0157	0.0104	0.0001	2.5	5.52	0.07	1	0	0.01	-1	TR12175831	
134.50	136.90	2.40	M982153	0.003	FA_AAS	0.3	0.0112	0.0105	0.0002	2.5	5.07	0.07	0.01	0	-1	-1	TR12175831	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-23 136.9 144.73 7.83 Cht100Msv

SILICIFIED ZONE

Likely silicified, intermediate to lapilli tuff.

Grey to white to greenish-grey to purplish-grey, strongly silicified zone (cannot distinguish original rock texture or composition) with several (3-5%) calcite and quartz-calcite veins and stringers. Calcite is limited to veins and stringers.

Upper and lower contacts are sharp, with little to no silicification of the surrounding tuff.

Silicified zone is jointed and broken in places, with lichen-like growths of pyrite along the fracture surfaces.

Veins and Stringers:

1. Quartz-calcite veins and vein arrays 75-80 degrees TCA, dominant vein-type, mm-scale up to 2cm
2. Calcite veins and vein arrays, 105-115 degrees TCA, mm-scale, x-cut by vein type 1

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:														
136.90	144.73	7.83	100Si5Per	"silicified zone with calcite veining, diss py"														
DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:									
136.89		ct	-1		56	60	-99	ct- 56/60/										
138.47		ca	-1		66	130	-99	ca- 66/130/	.3cm									
140.33		cv	-1		75	180	-99	cv- 75/180/	.8cm									
140.94		cv	-1		67	135	-99	cv- 67/135/	.6cm									
FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASP%	CPY%:	SPH%:	CERT-ID:	LAB-ID:
136.90	139.50	2.60	M982154	0.003	FA_AAS	0.3	0.0004	0.0019	0.0001	2.5	1.22	0.15	2	0	-1	-1	TR12175831	
139.50	142.10	2.60	M982155	0.003	FA_AAS	0.3	0.0003	0.0029	0.0001	2.5	1.10	0.09	1	0	-1	-1	TR12175831	
142.10	144.70	2.60	M982156	0.003	FA_AAS	0.3	0.0007	0.0027	0.0001	2.5	1.14	0.11	1	0	-1	-1	TR12175831	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-23 144.73 162.34 17.61 Tlp100Shr

Same as above, schistose lapilli tuff, with elongated clasts and plagioclase grains up to 5mm, rarely 10mm, in a fine-grained to ashy, tannish matrix. Tuff is biotite altered, with a biotite-schist appearance, and up to 10% biotite occurring as wispy books orientated with shear fabric. Biotite appears to increase slightly down hole to 5-7%. Patchy, weak chloritic alteration occurs. Upper and lower contacts with the silicified units are sharp.

Veins and Stringers:

Increase in veins and stringers in comparison to upper tuffisitic unit with 3-7% veins and stringers, dominantly calcite-rich, the dominant vein types include:

- Calcite-quartz+/-chlorite, sub-parallel TCA, x-cut all structures, sulphide-bearing (pyrrh, py, chalco) when chlorite is present
- Calcite+chlorite veins and vein arrays, 110-120 degrees TCA, sometimes pyrrh-bearing
- Quartz-carbonate arrays, 130 degrees TCA
- Calcite stringers at various angles TCA
- Set of quartz-calcite-chlorite veins at various angles TCA, with weak clay or sericite alteration (pale yellow, very soft), that are deformed with the surrounding country rock.

Faults and Broken Zones:

Fracture surfaces are generally coated with calcite, chlorite and/or tannish clay, often with lichen-like pyrite.

155.20-155.50m: Fracture running sub-parallel TCA, associated with Qcc veining, pyrrh, py and chalco present, fracture surface coated with chlorite + tan clay

158.80-159.7m: broken zone, weakly silicified tuff with calcite > chlorite and pyrite on fracture surfaces

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
144.73	146.50	1.77	100Bt3Per 100Si1Per	weakly silicified
146.50	149.80	3.30	100Bt3Per 25Ca3Pat	calcite flooded matrix = calcite in matrix outside of veins and stringers and refers to reaction with 5-6% HCL
149.80	158.00	8.20	100Bt3Per 50Ca2Pat 40Cl2Pat	calcite flooded matrix = calcite in matrix outside of veins and stringers and refers to reaction with 5-6% HCL
158.00	162.34	4.34	100Bt3Per 50Ca3Pat 25Cl2Pat	calcite flooded matrix = calcite in matrix outside of veins and stringers and refers to reaction with 5-6% HCL

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
147.51		s1		-1	42	61	-99	s1- 42/61/	
149.41		s1		-1	55	230	-99	s1- 55/230/	
151.25		qv		-1	33	200	-99	qv- 33/200/	1.5cm
153.10		qa		-1	40	210	-99	qa- 40/210/	1.2cm
155.01		s1		-1	39	170	-99	s1- 39/170/	
156.32		ca		-1	60	175	-99	ca- 60/175/	1.5cm
161.38		s1		-1	54	310	-99	s1- 54/310/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
144.70	146.70	2.00	M982157	0.003	FA_AAS	0.3	0.0140	0.0122	0.0001	2.5	5.52	0.34	1	0	-1	-1	TR12175831	
146.70	149.70	3.00	M982158	0.003	FA_AAS	0.3	0.0139	0.0125	0.0001	2.5	5.93	0.34	0.01	0	0.01	-1	TR12175831	
149.70	152.70	3.00	M982159	0.003	FA_AAS	0.5	0.0177	0.0105	0.0001	2.5	5.95	0.34	0.01	0	-1	-1	TR12175831	
152.70	155.70	3.00	M982161	0.006	FA_AAS	0.3	0.0233	0.0129	0.0002	2.5	5.80	0.29	0.01	0	0.01	-1	TR12175831	
155.70	158.20	2.50	M982162	0.003	FA_AAS	0.3	0.0180	0.0102	0.0001	6.0	5.85	0.28	0.01	0	-1	-1	TR12175831	
158.20	160.20	2.00	M982163	0.003	FA_AAS	0.3	0.0143	0.0097	0.0001	9.0	5.75	0.26	0.01	0	-1	-1	TR12175831	
160.20	162.20	2.00	M982164	0.003	FA_AAS	0.3	0.0160	0.0114	0.0001	8.0	6.11	0.27	1	0	-1	-1	TR12175831	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-23 162.34 163.42 1.08 Cht100Msv

SILICIFIED ZONE

Strongly silicified zone with several carbonate stringers and micro-fractures at various angles TCA. Unit is too strongly silicified to identify the host rock. Contact are sharp and silicification does not extend into surrounding country rock (contacts roughly parallel to clast and biotite orientation in tuff). Greenish colour suggests silicification my overprint chlorite alteration. Finely disseminated pyrite throughout (2%).

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
162.34	163.42	1.08	100Si5Per	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
162.34		ct		-1	31	340	-99	ct- 31/340/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
162.20	163.70	1.50	M982165	0.003	FA_AAS	0.3	0.0023	0.0039	0.0001	2.5	2.00	0.11	1	0	-1	-1	TR12175831	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-23 163.42 172.5 9.08 Tlp95Shr Tfi5Msv

Brown, schistose, biotite-altered lapilli tuff with fine grained, biotite altered beds. Composition, texture and alteration is the same as the above unit, with abundant, elongated clasts and feldspars up to 5mm in a fine grained to ashy, tannish-brown matrix. Coarser components are elongated and show preferred orientation coincident with foliations. Biotite alteration occurs as wispy biotite grains, aligned with coarse components, with approximately 5% biotite. Patchy chlorite alteration present, matrix-hosted calcite is variable.

Fine-grained biotite-altered beds occur at the following intervals: 163.55-163.72m; 164.58-164.80m; 168.07-168.20m.

Veining is slightly less abundant than the upper lapilli tuff, with an average of 3% veins and stringers over the intersection. These include, but are not limited to:

1. Calcite-quartz veins sub-perpendicular TCA, x-cut all structures and grain orientations
2. Carbonate+/-chlorite veins and stringers coincident with fracturing/joint sets (145-155 degrees TCA)

Faults and broken zones are limited to joint sets, often with chlorite+/-calcite+/-pyrite on the fracture surfaces.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
163.42	166.30	2.88	100Bt3Per 65Cl3Frc 50Ca2Pat	calcite flooded matrix = calcite in matrix outside of veins and stringers and refers to reaction with 5-6% HCL
166.30	172.50	6.20	100Bt3Per 40Ca3Pat 25Cl2Pat	calcite flooded matrix = calcite in matrix outside of veins and stringers and refers to reaction with 5-6% HCL

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
164.55		ct		-1	10	8	-99	ct- 10/8/	
164.80		ct		-1	66	120	-99	ct- 66/120/	
167.02		ca		-1	22	128	-99	ca- 22/128/	.2cm
168.63		ca		-1	70	115	-99	ca- 70/115/	.2cm
169.86		ct		-1	57	21	-99	ct- 57/21/	
171.00		ct		-1	51	15	-99	ct- 51/15/	

FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:
168.70	168.80	0.10	Bcr		0 Bcr	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
163.70	165.70	2.00	M982166	0.003	FA_AAS	0.3	0.0128	0.0122	0.0001	2.5	6.29	0.12	-1	0	0.01	-1	TR12175831	
165.70	168.20	2.50	M982167	0.003	FA_AAS	0.3	0.0145	0.0108	0.0001	5.0	5.55	0.29	1	0	0.01	-1	TR12175831	
168.20	170.45	2.25	M982168	0.003	FA_AAS	0.3	0.0155	0.0107	0.0001	5.0	5.60	0.22	0.01	0	-1	-1	TR12175831	
170.45	172.45	2.00	M982169	0.003	FA_AAS	0.3	0.0138	0.0109	0.0001	2.5	5.28	0.39	0.01	0	0.01	-1	TR12175831	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-23 172.5 173.6 1.1 Cht100Msv

*****SILICIFIED ZONE*****

Similar to above silicified zone, greenish to purplish-grey with several calcite stringers and micro-fractures at various angles TCA. Zone is too strongly silicified to determine original rock type. Contacts are sharp.

173.17-173.45m: broken zone with chlorite+pyrite on the fracture surfaces.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
172.50	173.60	1.10	100Si5Per	"greenish and purple patches, sil may be over printing chlorite and/or biotite alteration"

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
172.45	173.70	1.25	M982170	0.003	FA_AAS	0.3	0.0033	0.0037	0.0003	2.5	1.76	0.27	3	0	-1	-1	TR12175831	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-23 173.6 181.25 7.65 Tlp100Shr

Typical brown, schistose, lapilli tuff with abundant elongated clasts and plagioclase elongated and showing preferred orientation (up to 5mm and rarely 10mm), in a fine to ashy brown matrix. Biotite alteration is typical, with 5% wispy biotite grains (matrix-hosted) aligned with clasts and plag. Chlorite alteration is variable and patchy, and sometimes related to fractures or veins.

Veining is typical of hole, with calcite-dominated veins, stringers and vein arrays comprising 1-3% of the intersection. Veins are predominantly late-stage and show little to no deformation.

Fracturing, jointing and faulting is limited to fracturing or joint sets, roughly 30-40 degrees and 140-150 degrees TCA. Broken surfaces usually coated with calcite, sometimes with pyrite and rarely with chlorite.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
173.60	174.75	1.15	100Bt3Per 25Ca4Pat	calcite flooded matrix = calcite in matrix outside of veins and stringers and refers to reaction with 5-6% HCL
174.75	176.90	2.15	100Bt3Per 50Ca2Pat	calcite flooded matrix = calcite in matrix outside of veins and stringers and refers to reaction with 5-6% HCL
176.90	177.90	1.00	100Bt3Per 25Ca2Pat 25Cl2Pat	calcite flooded matrix = calcite in matrix outside of veins and stringers and refers to reaction with 5-6% HCL
177.90	180.15	2.25	100Bt3Per 25Ca2Pat	calcite flooded matrix = calcite in matrix outside of veins and stringers and refers to reaction with 5-6% HCL
180.15	181.25	1.10	100Bt3Per 15Ca3Pat	calcite flooded matrix = calcite in matrix outside of veins and stringers and refers to reaction with 5-6% HCL

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
173.65		ct		-1	55	185	-99	ct- 55/185/	
175.26		ca		-1	50	90	-99	ca- 50/90/	.3cm
175.92		s1		-1	20	15	-99	s1- 20/15/	
177.91		s1		-1	40	140	-99	s1- 40/140/	
178.12		s1		-1	34	345	-99	s1- 34/345/	
180.48		ca		-1	15	125	-99	ca- 15/125/	.2cm

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
173.70	175.70	2.00	M982171	0.003	FA_AAS	0.3	0.0219	0.0149	0.0001	2.5	5.88	0.43	-1	0	1	-1	TR12175831	
175.70	177.70	2.00	M982172	0.003	FA_AAS	0.3	0.0158	0.0118	0.0001	2.5	5.50	0.41	0.01	0	0.01	-1	TR12175831	
177.70	179.50	1.80	M982173	0.003	FA_AAS	0.3	0.0164	0.0156	0.0001	2.5	5.74	0.44	-1	0	0.01	-1	TR12175831	
179.50	181.25	1.75	M982174	0.003	FA_AAS	0.3	0.0165	0.0137	0.0001	5.0	5.19	0.39	1	0	-1	-1	TR12175831	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-23 181.25 182.2 0.95 Cht100

SILICIFIED ZONE

Similar to above silicified zone, greenish to purplish-grey with several calcite stringers and micro-fractures at various angles TCA. Zone is too strongly silicified to determine original rock type. Contacts are sharp.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
181.25	182.20	0.95	100Si5Per 20Ca1Frc	"purple and greenish patches, may be silicification over printing chlorite and/or biotite altered patches calcite flooded matrix = calcite in matrix outside of veins and stringers refers to reaction with 5-6% HCL"

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
181.25		ct		-1	29	151	-99	ct- 29/151/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
181.25	182.50	1.25	M982176	0.003	FA_AAS	0.3	0.0033	0.0034	0.0001	9.0	1.59	0.14	1	0	-1	-1	TR12175831	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-23 182.2 201.9 19.7 Tlp95Shr Tff5Msv

Typical brown, schistose, lapilli tuff, similar to the unit from 173.6-181.25m. Abundant elongated clasts and plagioclase showing preferred orientation (up to 5mm and rarely 10mm), in a fine to ashy brown matrix. Biotite alteration is typical, with 5% wispy biotite grains (matrix-hosted) aligned with clasts and plag. Biotite decreases downhole to 2-3% near the fault zone. Chlorite alteration is variable and patchy, and sometimes fracture controlled or vein halos.

Approx. 191m: decrease in biotite and in the schistose texture of the tuff
 192.85-194.8m: little to no biotite (1-2%), increased fracturing, patchy chlorite alteration

194.8-197.8m: faulted, broken zone. Dominant fault fracturing is sub-parallel TCA; abundant chlorite and lichen-like pyrite on fracture surfaces.

Veining is typical of hole, with calcite-dominated veins, stringers and vein arrays comprising 1-3% of the intersection. Veins are predominantly late-stage and show little to no deformation.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
182.20	183.00	0.80	100Bt2Per 50Ca4Pat 1Cl4Pat	calcite flooded matrix = calcite in matrix outside of veins and stringers and refers to reaction with 5-6% HCL chlorite in vein
183.00	184.30	1.30	100Bt2Per 50Ca2Pat	calcite flooded matrix = calcite in matrix outside of veins and stringers and refers to reaction with 5-6% HCL
184.30	185.10	0.80	100Bt2Per 40Ca3Pat	calcite flooded matrix = calcite in matrix outside of veins and stringers and refers to reaction with 5-6% HCL
185.10	187.00	1.90	100Bt2Per 75Ca3Pat 10Cl2Pat	calcite flooded matrix = calcite in matrix outside of veins and stringers and refers to reaction with 5-6% HCL chlorite patches and chlorite altered veins
187.00	193.00	6.00	100Bt2Per 50Ca3Pat	calcite flooded matrix = calcite in matrix outside of veins and stringers and refers to reaction with 5-6% HCL
193.00	194.50	1.50	100Bt2Per 50Ca3Pat 25Cl1Pat	calcite flooded matrix = calcite in matrix outside of veins and stringers and refers to reaction with 5-6% HCL
194.50	201.90	7.40	100Bt2Per 50Ca2Pat	***FROM MEMORY*** calcite flooded matrix = calcite in matrix outside of veins and stringers and refers to reaction with 5-6% HCL

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
182.22		ct		-1	23	193	-99	ct- 23/193/	
182.61		s1		-1	26	165	-99	s1- 26/165/	
182.92		qv		-1	37	39	-99	qv- 37/39/	.5cm
185.70		s1		-1	17	176	-99	s1- 17/176/	
187.09		s2		-1	5	189	-99	s2- 5/189/	
187.29		ca		-1	47	140	-99	ca- 47/140/	.4cm
190.46		ca		-1	50	169	-99	ca- 50/169/	2cm
191.00		s1		-1	30	190	-99	s1- 30/190/	
192.48		ca		-1	65	161	-99	ca- 65/161/	.2cm
199.60		ca		-1	63	161	-99	ca- 63/161/	.5cm
200.20		ca		-1	35	358	-99	ca- 35/358/	.2cm
200.54		s1		-1	43	5	-99	s1- 43/5/	
200.85		s0		-1	41	21	-99	s0- 41/21/	

FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:
182.41	182.51	0.10	Fto		0 Fto	
200.77	200.87	0.10	Bcr		0 Bcr	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
182.50	184.50	2.00	M982177	0.003	FA_AAS	0.3	0.0141	0.0113	0.0001	11.0	5.28	0.47	1	0	-1	-1	TR12175831	
184.50	187.50	3.00	M982178	0.003	FA_AAS	0.3	0.0148	0.0091	0.0001	2.5	5.11	0.19	0.01	0	-1	-1	TR12175831	
187.50	190.50	3.00	M982179	0.006	FA_AAS	0.3	0.0156	0.0106	0.0001	2.5	5.90	0.13	0.01	0	-1	-1	TR12175831	
190.50	193.00	2.50	M982180	0.003	FA_AAS	0.3	0.0163	0.0108	0.0001	5.0	6.01	0.15	0.01	0	-1	-1	TR12175831	
193.00	196.00	3.00	M982181	0.003	FA_AAS	0.3	0.0162	0.0101	0.0001	2.5	5.88	0.22	1	0	-1	-1	TR12175831	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASP%	CPY%:	SPH%:	CERT-ID:	LAB-ID:
196.00	199.00	3.00	M982182	0.003	FA_AAS	0.3	0.0161	0.0110	0.0001	2.5	5.67	0.34	1	0	-1	-1	TR12175831	
199.00	201.90	2.90	M982183	0.003	FA_AAS	0.3	0.0122	0.0106	0.0001	11.0	5.27	0.33	1	0	-1	-1	TR12175831	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-23 201.9 205.85 3.95 Gms55 Tlp40 Slt5

LITHOLOGY FROM MEMORY

Interbedded graphitic mudstone (to argillite), lapilli tuff and siltstone. Cm-scale interbedding. Abundant calcite in the volcanic and sedimentary package, with 4/5 to 5/5 reaction to 5-6% HCL. Notable increase in sulphide content, mostly concentrated in mudstone horizons (up to 7% pyrite + pyrrhotite). Contacts with surrounding unit are sharp.

Lapilli tuff is matrix supported and contains elongated clasts up to 50mm. Matrix is fine grained to ashy and clasts show preferred orientation coincident with bedding. Sulphides occur in some of the larger clasts and within the matrix.

Mudstone is black and graphitic and intruded by several carbonate stringers and 2 x quartz-carbonate veins with abundant pyrrhotite and pyrite (up to 10% locally). Disseminated and clotty pyrite and pyrrhotite throughout.

Siltstone beds are up to 3cm thick, are weakly bedded and are calcite-rich

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
201.90	205.85	3.95	85Ca4Pat	***FROM MEMMORY*** calcite flooded matrix = calcite in matrix outside of veins and stringers and refers to reaction with 5-6% HCL

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
205.59		s0		-1	36	9	-99	s0- 36/9/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASP%	CPY%:	SPH%:	CERT-ID:	LAB-ID:
201.90	203.90	2.00	M982184	0.005	FA_AAS	0.6	0.0059	0.0386	0.0054	19.0	2.36	1.29	7	0	-1	-1	TR12175831	
203.90	205.80	1.90	M982185	0.003	FA_AAS	0.3	0.0041	0.0137	0.0004	8.0	2.18	0.65	4	0	-1	-1	TR12175831	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-23 205.85 206.65 0.8 Cht100

LITHOLOGY FROM MEMORY

SILICIFIED ZONE

Carbonate-rich silicified zone, medium grey with "ghost" mudstone layers.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
205.85	206.65	0.80	100Ca5Per 100Qz3Per	***FROM MEMMORY***

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
206.60		ct		-1	48	29	-99	ct- 48/29/	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-23 206.65 207.7 1.05 Tlp85 Mud15

LITHOLOGY FROM MEMORY

Interbedded lapilli tuff and graphitic mudstone, similar to upper interbedded unit with cm-scale beds. Lapilli tuff is again composed of elongated clasts up to 50mm in a fine to ashy brownish matrix. Mustone is graphitic and carbonate-rich and intruded by several carbonate and quartz-carbonate stringers. Upper contact is sharp. Lower contact is associated with a quartz-calcite-chlorite vein with pyrrhotite, pyrite, and 1% chalcopyrite concentrated in the chloritic zones. Minor sericite alteration within the vien.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
206.65	207.70	1.05	75Ca4Pat	***FROM MEMMORY*** calcite flooded matrix = calcite in matrix outside of veins and stringers and refers to reaction with 5-6% HCL

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
207.20		s0		-1	46	169	-99	s0- 46/169/	

FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:
207.50	207.70	0.20	Fto		0 Fto	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
205.80	207.85	2.05	M982186	0.003	FA_AAS	0.3	0.0055	0.0091	0.0001	6.0	2.68	0.72	3	0	0.01	-1	TR12175831	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
 SG12-23 207.7 240.13 32.43 Sst90Msv Tff10Msv

LITHOLOGY FROM MEMORY

Interbedded grey wacke and felsic volcanic tuff with variable alteration; m-scale bedding.

Greywacke beds are pinkish-grey, matrix supported, fine to coarse grained, poorly sorted with abundant SA-SR plagioclase and quartz grains in a fine grained matrix. Plagioclase grains appear to be potassic-altered with pervasive pink rims. Interstitial biotite, 1-3%, occurs throughout. Trace to 1% pyrite and pyrrhotite occur throughout as fine disseminations, fine clots or super-fine stringers. Very weak, patchy and fracture-controlled chlorite alteration occurs throughout (10%). Calcite alteration is patchy, with 50-60% showing 2/5 or 3/5 reaction with 5-6% HCL.

Thin, cm-scale felsic volcanic beds may be altered greywacke. Beds are pale green and sometimes bleached looking, with presumed chlorite alteration.

Unit is intruded by several quartz-calcite, quartz-calcite-chlorite, calcite, anchorite, and 2 x quartz veins, vein at 214.3m contains a central pyrrhotite stringer (see photo). Some veins or calcite-chlorite healed joints have weak alteration halos that appear 'bleached' with weak chlorite alteration. Thin anchorite veins or vein arrays occur from approximately 227-228.20m.

239.85-240.13m: Healed breccia. Angular fragments of greywacke healed together with quartz-calcite-chlorite flooding. Weak sericite alteration. Abundant pyrrhotite and pyrite concentrated in chlorite-rich clots.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
207.70	240.13	32.43	90Ks2Per 90Bt1Per 15Cl2Pat 45Ca2Pat 2	***FROM MEMMORY*** Chlorite patchy and/or fracture controlled calcite flooded matrix = calcite in matrix outside of veins and stringers and refers to reaction with 5-6% HCL oxidisation on fracture surfaces in broken zones and faults

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
208.41		qv	-1		15	350	-99	qv- 15/350/	1.9cm
209.61		s1	-1		20	305	-99	s1- 20/305/	
209.96		jn	-1		27	10	-99	jn- 27/10/	
212.89		s1	-1		24	175	-99	s1- 24/175/	
214.42		qv	-1		50	260	-99	qv- 50/260/	3.8cm
215.40		s1	-1		30	198	-99	s1- 30/198/	
215.93		cv	-1		25	7	-99	cv- 25/7/	.4cm
218.29		s1	-1		35	160	-99	s1- 35/160/	
221.10		ca	-1		73	180	-99	ca- 73/180/	.2cm
222.68		s1	-1		72	55	-99	s1- 72/55/	
224.29		s1	-1		86	352	-99	s1- 86/352/	
224.49		ca	-1		60	165	-99	ca- 60/165/	.3cm
225.60		ca	-1		62	169	-99	ca- 62/169/	.5cm
225.70		s1	-1		63	32	-99	s1- 63/32/	

FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:
216.80	216.90	0.10	Fth		0 Fth	
220.43	220.53	0.10	Fth		0 Fth	
225.02	225.12	0.10	Bcr		0 Bcr	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
207.85	209.85	2.00	M982187	0.003	FA_AAS	0.3	0.0024	0.0051	0.0003	6.0	2.57	0.52	1	0	0.01	-1	TR12175831	
209.85	212.85	3.00	M982188	0.003	FA_AAS	0.3	0.0011	0.0071	0.0003	2.5	3.16	0.54	1	0	-1	-1	TR12175831	
212.85	215.85	3.00	M982189	0.003	FA_AAS	0.3	0.0009	0.0066	0.0002	2.5	3.37	0.48	0.01	0	0.01	-1	TR12175831	
215.85	218.85	3.00	M982191	0.003	FA_AAS	0.3	0.0012	0.0092	0.0005	2.5	3.34	0.58	0.01	0	-1	-1	TR12175831	
218.85	221.85	3.00	M982192	0.003	FA_AAS	0.3	0.0010	0.0137	0.0008	9.0	2.64	0.48	-1	0	-1	-1	TR12175831	
221.85	224.85	3.00	M982193	0.003	FA_AAS	0.3	0.0023	0.0070	0.0003	2.5	3.29	0.67	-1	0	-1	-1	TR12175831	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
224.85	227.85	3.00	M982194	0.003	FA_AAS	0.3	0.0013	0.0068	0.0004	6.0	3.34	0.48	-1	0	-1	-1	TR12175831	
227.85	230.85	3.00	M982195	0.003	FA_AAS	0.3	0.0022	0.0069	0.0002	5.0	3.12	0.45	1	0	-1	-1	TR12175831	
230.85	233.85	3.00	M982196	0.003	FA_AAS	0.3	0.0009	0.0072	0.0002	2.5	3.26	0.43	1	0	-1	-1	TR12175831	
233.85	236.00	2.15	M982197	0.003	FA_AAS	0.3	0.0012	0.0070	0.0002	8.0	3.41	0.35	-1	0	-1	-1	TR12175831	
236.00	238.15	2.15	M982198	0.003	FA_AAS	0.3	0.0013	0.0066	0.0002	2.5	3.30	0.40	1	0	-1	-1	TR12175831	
238.15	240.13	1.98	M982199	0.003	FA_AAS	0.3	0.0014	0.0038	0.0002	2.5	3.01	0.46	2	0	0.01	-1	TR12175831	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-23 240.13 250 9.87 Tlp80Bdm Mud20Bdf

LITHOLOGY FROM MEMORY

Interbedded lapilli tuff and weakly graphitic mudstone, similar to units between 201.9 and 207.7m.

Meter to centimeter-scale beds of lapilli tuff and weakly graphitic mudstone with several inter-mixed horizons indicating soft-sediment deformation or slumping. Entire package is calcite rich, with 4/5 to 5/5 reaction with 5-6% HCL over the entire intersection. Sulphides minimal with trace to 2% pyrite + pyrrhotite.

Lapilli tuff is dark brownish-grey, with approximately 40% elongated clasts up to 50mm in a fine-grained to ashy matrix.

Mudstone is black and weakly graphitic and intruded by abundant calcitic stringers. Generally higher concentration of sulphides in comparison with the lapilli tuff beds, with up to 3-5% pyrite > pyrrhotite locally.

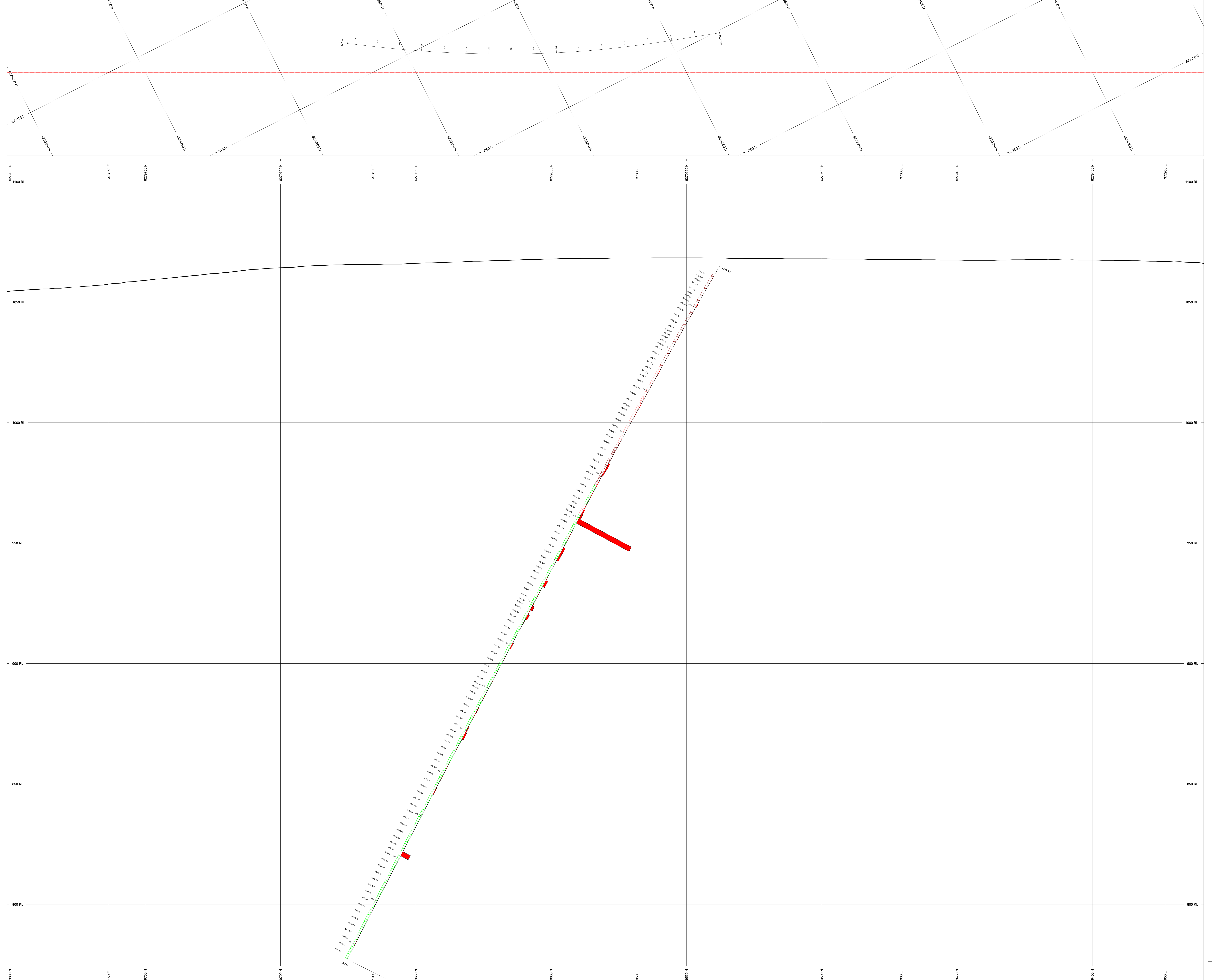
240.13-242.83m: broken fault zone with abundant pyrite on fracture surfaces

249.50-249.95m: carbonate-rich zone, soft, light grey with thin, black mudstone layers throughout.

250m = EOH

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
240.13	250.00	9.87	75Ak4Per	***FROM MEMMORY*** calcite flooded matrix = calcite in matrix outside of veins and stringers and refers to reaction with 5-6% HCL

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
240.13	242.83	2.70	M982201	0.003	FA_AAS	0.3	0.0069	0.0165	0.0004	31.0	4.75	0.41	4	0	-1	-1	TR12175831	
242.83	245.33	2.50	M982202	0.003	FA_AAS	0.3	0.0088	0.0190	0.0011	36.0	4.59	0.36	0.01	0	-1	-1	TR12175831	
245.33	247.83	2.50	M982203	0.003	FA_AAS	0.3	0.0078	0.0175	0.0005	12.0	4.84	0.41	0.01	0	-1	-1	TR12175831	
247.83	250.00	2.17	M982204	0.003	FA_AAS	0.5	0.0070	0.0134	0.0021	2.5	3.61	0.57	1	0	-1	-1	TR12175831	



TOPOGRAPHY
 Profile: RL
 Au_psm: R

BAR GRAPHS	LR	CR
Au_psm	R	

ROCK CODES	PAT	LABEL	DESCRIPTION
Cl	Cl	Cl	Claystone
Mud	Mud	Mud	Mudstone
Gg	Gg	Gg	Conglomerate
St	St	St	Sandstone
Tf	Tf	Tf	Tuff-intermediate

POSTED TEXT
 Service: L LR ITEM: All

SECTION SPECS:
 REF. HT. E. N: 372000 m 6278000 m
 EXTENTS: 827 m 345.7 m
 SECTION TOP. BOT: 1110 m 763.9 m
 TOLERANCE: ± 50 m

SCALE 1:500
 AZIMUTH ± 207.124°
 NA03: UTM zone 59

SnipGold Corp (SGG.TSX)
Iskut Property (SG12-24)
37305E SECTION
Cross-Section: 28200BE



HOLE-ID: **SG12-24**
 UTM East: 373,048.97
 UTM North: 6,279,530.29
 Elevation: 1,064.95
 Length (m): 327.00
 ZONE: Johnny Flats
 Collar CrossSection:

Drill Company: NoLimitDrilling
 Logged By: Brian Janes
 Operator:
 Purpose:
 Casing:
 Year: 2012
 Proposed HID: PF_A01d

DISTANCE:	AZIMUTH:	DIP:	SURVEYTYPE:	COMMENTS:
120.00	23.00	-61.80	ReflexGyro	
0.00	18.70	-60.20	ReflexGyro	
90.00	20.80	-61.30	ReflexGyro	
95.00	21.20	-61.40	ReflexGyro	
100.00	21.40	-61.50	ReflexGyro	
105.00	21.70	-61.60	ReflexGyro	
80.00	20.20	-61.10	ReflexGyro	
115.00	22.50	-61.70	ReflexGyro	
75.00	20.10	-61.00	ReflexGyro	
125.00	23.30	-61.80	ReflexGyro	
130.00	23.60	-61.80	ReflexGyro	
135.00	24.00	-61.90	ReflexGyro	
140.00	24.40	-61.90	ReflexGyro	
145.00	24.60	-61.90	ReflexGyro	
150.00	24.90	-61.90	ReflexGyro	
110.00	22.10	-61.60	ReflexGyro	
40.00	18.10	-60.30	ReflexGyro	
5.00	18.30	-59.40	ReflexGyro	
10.00	18.50	-59.50	ReflexGyro	
15.00	18.20	-59.70	ReflexGyro	
20.00	18.20	-59.80	ReflexGyro	
25.00	18.10	-59.90	ReflexGyro	
85.00	20.50	-61.20	ReflexGyro	
35.00	18.00	-60.20	ReflexGyro	
165.00	25.80	-62.00	ReflexGyro	
45.00	18.50	-60.30	ReflexGyro	
50.00	18.70	-60.40	ReflexGyro	
55.00	19.00	-60.50	ReflexGyro	
60.00	19.30	-60.60	ReflexGyro	
65.00	19.60	-60.80	ReflexGyro	
70.00	19.70	-60.90	ReflexGyro	
30.00	18.20	-60.00	ReflexGyro	
285.00	32.70	-62.50	ReflexGyro	
250.00	30.70	-62.30	ReflexGyro	
255.00	31.00	-62.30	ReflexGyro	

DISTANCE:	AZIMUTH:	DIP:	SURVEYTYPE:	COMMENTS:
260.00	31.20	-62.30	ReflexGyro	
265.00	31.70	-62.30	ReflexGyro	
270.00	32.00	-62.40	ReflexGyro	
155.00	25.20	-61.90	ReflexGyro	
280.00	32.50	-62.40	ReflexGyro	
235.00	29.90	-62.20	ReflexGyro	
290.00	32.90	-62.50	ReflexGyro	
295.00	33.20	-62.50	ReflexGyro	
300.00	33.40	-62.50	ReflexGyro	
305.00	33.50	-62.60	ReflexGyro	
310.00	33.60	-62.60	ReflexGyro	
315.00	33.70	-62.70	ReflexGyro	
275.00	32.10	-62.40	ReflexGyro	
205.00	28.30	-62.20	ReflexGyro	
320.00	33.70	-62.70	ReflexGyro	
170.00	26.30	-62.00	ReflexGyro	
175.00	26.50	-62.00	ReflexGyro	
180.00	26.80	-62.00	ReflexGyro	
185.00	27.10	-62.10	ReflexGyro	
190.00	27.50	-62.10	ReflexGyro	
245.00	30.50	-62.20	ReflexGyro	
200.00	27.90	-62.20	ReflexGyro	
240.00	30.10	-62.20	ReflexGyro	
210.00	28.50	-62.20	ReflexGyro	
215.00	28.80	-62.20	ReflexGyro	
220.00	29.10	-62.20	ReflexGyro	
225.00	29.40	-62.20	ReflexGyro	
230.00	29.70	-62.20	ReflexGyro	
160.00	25.60	-62.00	ReflexGyro	
195.00	27.70	-62.20	ReflexGyro	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-24 0 4.43 4.43 Ovb100

Road grade material and mudstone cobbles/boulders

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-24 4.43 48.1 43.67 Mud85Bdf Sl15Bdf

Interbedded mustone and siltstone, mm- to rarely cm-scale bedding. Abundant slumping and soft sediment deformation suggests syn-depositional deformation, perhaps turbidite sequences. Abundant micro-breccias, and mm-scale brittle faulted displacements also indicate post-sedimentation deformation.

Veins and Vein Arrays

Unit is intruded by several generations of quartz-calcite and calcite veins, stringers and vein arrays as well as pyrrhotite-dominant mineralized veins.

Post-depositional veining includes:

1. Quartz-calcite veins, 2 generations, 90 degrees and 120 degrees (veins and vein arrays) TCA
2. Pyrrhotite-Calcite veins, sub-perpendicular TCA (95-100 degrees TCA)
3. Quartz-calcite-pyrrhotite +/- sphalerite +/- chalcopyrite +/- galena (e.g. 17.40m = 6cm with minor sericite alteration, pyrrhotite+pyrite+chalcopyrite+sphalerite; 20.34m=2cm) veins (140-150 degreed TCA)
3. Quartz-calcite-sulphide veins, pyrrhotite +/- sphalerite +/- pyrite (30-50 degrees TCA)

Alteration and Quartz-Carbonate Flooding:

Entire package is calcite rich with abundant calcitic stringers and veins and 75% 4/5 fizz test with 5-6% HCL. Coarser, silty units tend to have more calcite than the mudstone beds:

4.6-9.05m: 75% 4/5

9.05-9.56m: 100% 5/5; coarser, carbonate flooded silty unit with abundant pyrrhotite (15% diss and stringers) with a basal quartz+carbonate flooded zone with irregular-mudstone fragments and oxidized fracture surfaces

9.56-13.42m: 75% 4/5

13.42-13.64m: 100% 4/5; carbonate-rich, silty unit with 2% pyrrhotite, disseminated and stringers

13.46-33.53m: 75% 4/5

15.40-15.50: Qca-flooded zone with 1% pyrrhotite

33.53-33.90m: 100% 5/5; calcite-flooded zone with 7% pyrrhotite stringers

33.90-34.45m: 100% 1/5

34.45-48.1m: 75% 4/5

Faults, Gouges, Broken Zones:

Several "micro-faults" and mm-scale displacing events throughout mudstone unit.

23.41m: Clay filled gouge, approx. 50 degres TCA (un-orientated core)

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
5.21		ca	-1		24	40	-99	ca- 24/40/	0.1cm
6.11		s0	-1		78	230	-99	s0- 78/230/	
7.11		s1	-1		63	220	-99	s1- 63/220/	
7.75		cv	-1		75	190	-99	cv- 75/190/	1.2cm
7.85		cv	-1		60	270	-99	cv- 60/270/	0.5cm
10.28		s0	-1		85	340	-99	s0- 85/340/	
10.68		cv	-1		80	280	-99	cv- 80/280/	1.8cm
12.38		ca	-1		15	305	-99	ca- 15/305/	
13.36		s0	-1		89	178	-99	s0- 89/178/	
14.74		ca	-1		70	240	-99	ca- 70/240/	
18.52		s0	-1		84	230	-99	s0- 84/230/	
18.76		rv	-1		80	225	-99	rv- 80/225/	0.6cm
19.19		rv	-1		84	16	-99	rv- 84/16/	0.7cm
20.10		ca	-1		47	160	-99	ca- 47/160/	0.4cm

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
20.36		cv	-1		24	316	-99	cv- 24/316/	1.4cm
25.09		s1	-1		51	181	-99	s1- 51/181/	Parallel to bedding
25.92		s0	-1		50	330	-99	s0- 50/330/	
26.45		s0	-1		40	190	-99	s0- 40/190/	
26.72		ca	-1		80	270	-99	ca- 80/270/	0.1cm
27.19		ca	-1		62	252	-99	ca- 62/252/	0.3cm
30.28		cv	-1		57	143	-99	cv- 57/143/	0.8cm
30.38		s0	-1		58	233	-99	s0- 58/233/	
30.68		cv	-1		56	253	-99	cv- 56/253/	0.4cm
31.69		ca	-1		55	260	-99	ca- 55/260/	0.3cm
31.95		s0	-1		76	185	-99	s0- 76/185/	
33.00		cv	-1		57	145	-99	cv- 57/145/	0.6cm
33.21		cv	-1		55	261	-99	cv- 55/261/	0.9cm
34.57		rv	-1		38	35	-99	rv- 38/35/	0.3cm
34.67		ca	-1		32	331	-99	ca- 32/331/	0.1cm
34.85		rv	-1		25	138	-99	rv- 25/138/	0.2cm
36.18		ca	-1		60	260	-99	ca- 60/260/	0.1cm
36.54		cv	-1		45	60	-99	cv- 45/60/	1.2cm
36.74		s0	-1		25	175	-99	s0- 25/175/	
37.34		ca	-1		61	250	-99	ca- 61/250/	0.3cm
38.90		s0	-1		80	200	-99	s0- 80/200/	
39.61		cv	-1		22	220	-99	cv- 22/220/	1.5cm
40.44		s0	-1		56	230	-99	s0- 56/230/	
41.44		qv	-1		40	273	-99	qv- 40/273/	0.5cm
42.80		qv	-1		46	230	-99	qv- 46/230/	0.5cm
43.01		rv	-1		29	235	-99	rv- 29/235/	0.1cm
45.61		qv	-1		61	265	-99	qv- 61/265/	0.8cm
45.71		s0	-1		62	180	-99	s0- 62/180/	
46.10		qa	-1		62	265	-99	qa - 62/265/	0.5cm
47.28		ct	-1		13	240	-99	ct- 13/240/	
47.72		qv	-1		62	253	-99	qv- 62/253/	0.4cm

FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:
13.31	13.32	0.01	Fth		0 Fth	
19.28	19.29	0.01	Fth		0 Fth	
19.69	19.70	0.01	Fth		0 Fth	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%:	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
4.60	7.00	2.40	M982251	0.016	FA_AAS	1.0	0.0082	0.0729	0.0001	68.0	4.27	0.69	0.01	0	-1	-1	TR12175831	
7.00	8.75	1.75	M982252	0.003	FA_AAS	0.9	0.0074	0.0842	0.0001	25.0	4.22	0.65	1	0	-1	0.01	TR12175831	
8.75	10.25	1.50	M982253	0.007	FA_AAS	2.2	0.0133	0.4590	0.0001	347.0	5.13	1.51	1	0	-1	1	TR12175831	
10.25	12.50	2.25	M982254	0.003	FA_AAS	1.4	0.0069	0.0859	0.0001	20.0	3.98	0.80	-1	0	-1	-1	TR12175831	
12.50	15.00	2.50	M982255	0.003	FA_AAS	0.5	0.0056	0.0999	0.0001	33.0	3.53	0.51	-1	0	-1	1	TR12175831	
15.00	16.50	1.50	M982256	0.003	FA_AAS	1.2	0.0060	0.1625	0.0001	20.0	4.02	1.13	1	0.01	-1	0.01	TR12175831	
16.50	18.00	1.50	M982257	0.006	FA_AAS	3.3	0.0139	0.7590	0.0001	113.0	4.62	2.04	2	0	0.01	3	TR12175831	
18.00	20.00	2.00	M982258	0.055	FA_AAS	3.0	0.0084	0.3230	0.0001	637.0	4.31	1.32	0.01	0	-1	2	TR12175831	
20.00	22.00	2.00	M982259	0.005	FA_AAS	0.8	0.0079	0.1245	0.0001	49.0	3.46	0.68	-1	0	-1	1	TR12175831	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
22.00	25.00	3.00	M982261	0.024	FA_AAS	0.3	0.0089	0.0774	0.0001	573.0	3.21	0.50	1	0	-1	-1	TR12175831	
25.00	28.00	3.00	M982262	0.003	FA_AAS	0.3	0.0091	0.0875	0.0001	63.0	4.29	0.58	0.01	0	0.01	0.01	TR12175831	
28.00	30.50	2.50	M982263	0.003	FA_AAS	1.1	0.0118	0.0595	0.0001	56.0	4.77	0.71	1	0	0.01	0.01	TR12175831	
30.50	33.00	2.50	M982264	0.013	FA_AAS	1.0	0.0083	0.1170	0.0001	19.0	4.80	0.94	1	0	-1	-1	TR12175831	
33.00	34.50	1.50	M982265	0.017	FA_AAS	6.6	0.0164	0.0652	0.0001	437.0	7.29	3.11	3	0	-1	-1	TR12175831	
34.50	36.00	1.50	M982266	0.017	FA_AAS	3.3	0.0129	0.1665	0.0001	130.0	5.72	2.10	2	0	-1	-1	TR12175831	
36.00	37.50	1.50	M982267	0.007	FA_AAS	1.3	0.0095	0.1135	0.0001	53.0	4.81	0.93	2	0	-1	1	TR12175831	
37.50	39.50	2.00	M982268	0.003	FA_AAS	1.9	0.0092	0.1235	0.0001	6.0	4.96	1.25	-1	0	0.01	0.01	TR12175831	
39.50	41.00	1.50	M982269	0.003	FA_AAS	1.5	0.0052	0.0494	0.0001	24.0	4.48	1.23	-1	0	0.01	-1	TR12175831	
41.00	43.00	2.00	M982270	0.012	FA_AAS	1.5	0.0091	0.1210	0.0002	8.0	5.34	1.24	-1	0	-1	0.01	TR12175292	
43.00	46.00	3.00	M982271	0.007	FA_AAS	1.1	0.0090	0.0826	0.0001	20.0	5.40	0.85	1	0	-1	0.01	TR12175292	
46.00	48.00	2.00	M982272	0.003	FA_AAS	0.9	0.0075	0.0498	0.0003	13.0	5.11	0.47	-1	0	-1	-1	TR12175292	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-24 48.1 52.12 4.02 Tfi50Bdm Mud50Bdf

Transition zone with interbedded and intermixed mudstone (as above) and weakly bedded green to grey-green, intermediate(?) tuff, ashy to fine grained.

Veins:

Notable decrease in veining in comparison to mudstone unit. Main veins include:

1. Qca veins, approx. 115 TCA (un-orientated core); barren (trace)
2. Pyrrhotite-calcite veins, x-cut vein type 1, 95-100 degrees TCA (1%)
3. Pyrrhotite-pyrite veins / stringers; 35 degrees TCA (trace)

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
50.86		qv		-1	70	265	-99	qv- 70/265/	0.3cm
51.23		s0		-1	75	50	-99	s0- 75/50/	
51.36		rv		-1	20	8	-99	rv- 20/8/	0.2cm

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
48.00	50.20	2.20	M982273	0.006	FA_AAS	0.6	0.0080	0.2400	0.0002	78.0	6.00	0.76	1	0	0.01	1	TR12175292	
50.20	52.40	2.20	M982274	0.031	FA_AAS	0.5	0.0073	0.2260	0.0002	74.0	5.65	0.57	-1	0	0.01	0.01	TR12175292	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-24 52.12 72.32 20.2 Tfi100Bdf

Pale green to grey-green intermediate(?) volcanics. Predominantly massive with lesser weakly bedded with subtle compositional variations of darker-light grey and laminations of mafics defined by fine grained biotite.

Rare thins beds (2-3cm) of fine-medium grained volcanics with subangular felsic clasts | (0.2-0.7cm) aligned with bedding. Fine grained biotite in these felsic clasts is pervasive (~2-5%) but difficult to determine whether primary or pervasive alteration overprinting entire unit.*Photo taken at 67.1m

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
62.40	73.35	10.95	10Ca3Int 0.01Sr1Int 0.01Cl1Loc	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
52.73		cv	-1		60	265	-99	cv- 60/265/	0.3cm
53.55		qv	-1		62	280	-99	qv- 62/280/	0.3cm
56.66		rv	-1		27	70	-99	rv- 27/70/	0.1cm
57.81		rv	-1		45	175	-99	rv- 45/175/	0.1cm
58.41		s0	-1		70	52	-99	s0- 70/52/	
62.52		qv	-1		26	-99	-99	qv- 26//	2.5cm
66.90		qv	-1		57	105	-99	qv- 57/105/	1.3cm
67.25		qv	-1		58	105	-99	qv- 58/105/	0.4cm
67.74		rv	-1		27	255	-99	rv- 27/255/	0.3cm
69.80		qv	-1		65	276	-99	qv- 65/276/	0.6cm

FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:
62.40	62.42	0.02	Fth		3 Fth3	
62.42	62.43	0.01	Gge		5 Gge5	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASP%	CPY%:	SPH%:	CERT-ID:	LAB-ID:
52.40	54.40	2.00	M982276	0.016	FA_AAS	2.0	0.0120	0.3720	0.0001	41.0	6.71	1.75	1	0	0.01	1	TR12175292	
54.40	56.27	1.87	M982277	0.013	FA_AAS	1.5	0.0110	0.3370	0.0001	146.0	6.01	1.54	-1	0	-1	-1	TR12175292	
56.27	59.31	3.04	M982278	0.009	FA_AAS	1.0	0.0065	0.1310	0.0002	25.0	5.09	0.94	0.01	0	0.01	0.01	TR12175292	
59.31	62.27	2.96	M982279	0.019	FA_AAS	0.9	0.0061	0.0522	0.0001	41.0	4.75	0.86	0.01	0	0.01	0.01	TR12175292	
62.27	65.25	2.98	M982280	0.013	FA_AAS	2.2	0.0103	0.1690	0.0002	87.0	5.97	1.14	0.01	0	0.01	0.01	TR12175292	
65.25	68.30	3.05	M982281	0.027	FA_AAS	0.7	0.0094	0.1520	0.0002	44.0	5.86	0.88	0.01	0	0.01	0.01	TR12175292	
68.30	70.16	1.86	M982282	0.019	FA_AAS	0.9	0.0064	0.0459	0.0001	79.0	5.01	0.65	-1	0	-1	-1	TR12175292	
70.16	72.24	2.08	M982283	0.021	FA_AAS	0.3	0.0062	0.0600	0.0001	77.0	4.94	0.66	-1	0	-1	-1	TR12175292	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-24 72.32 74.89 2.57 Tfi100Brx

Weakly brecciated fine to medium grained greywacke with clasts/broken beds of fine grained felsic volcanics (1-3cm) set in a fine-medium grained greywacked grading to fine grained down section to upper contact with underlying green-grey volcanics.

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
72.38		qv	-1		55	270	-99	qv- 55/270/	0.6cm
74.53		s0	-1		70	260	-99	s0- 70/260/	

FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:
74.26	74.27	0.01	Shh		0 Shh	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
72.24	74.90	2.66	M982284	0.015	FA_AAS	0.9	0.0048	0.0264	0.0001	179.0	5.39	1.30	0.01	0	-1	-1	TR12175292	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-24 74.89 85.29 10.4 Tfi99 Sst1Msv

Pale green to grey-green intermediate volcanics. Predominantly massive with lesser weakly bedded with subtle compositional variations of darker-light grey and laminations of mafics defined by fine grained biotite.

Minor thin beds (1-3cm) of fine-medium greywacke (1%).

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
75.17		qv	-1		25	185	-99	qv- 25/185/	1.1cm
75.30		s0	-1		63	240	-99	s0- 63/240/	
75.61		qv	-1		25	80	-99	qv- 25/80/	0.5cm
77.27		rv	-1		30	350	-99	rv- 30/350/	0.1cm
78.23		rv	-1		76	265	-99	rv- 76/265/	0.7cm
78.58		rv	-1		72	250	-99	rv- 72/250/	0.4cm
79.75		s0	-1		67	285	-99	s0- 67/285/	
80.96		qv	-1		60	245	-99	qv- 60/245/	0.4cm
81.45		qv	-1		34	345	-99	qv- 34/345/	0.3cm
81.77		rv	-1		82	200	-99	rv- 82/200/	0.3cm
82.39		qv	-1		75	205	-99	qv- 75/205/	1.1cm
85.11		s0	-1		75	60	-99	s0- 75/60/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
74.90	77.80	2.90	M982285	0.006	FA_AAS	0.3	0.0052	0.0374	0.0001	343.0	5.26	0.84	0.01	0	-1	0.01	TR12175292	
77.80	80.62	2.82	M982286	0.007	FA_AAS	0.8	0.0097	0.0761	0.0001	184.0	4.92	1.14	0.01	0	-1	0.01	TR12175292	
80.62	82.94	2.32	M982287	0.006	FA_AAS	0.3	0.0078	0.1065	0.0001	241.0	4.79	0.90	0.01	0	-1	-1	TR12175292	
82.94	85.18	2.24	M982288	0.020	FA_AAS	0.3	0.0073	0.1275	0.0001	166.0	5.07	0.90	-1	0	-1	-1	TR12175292	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-24 85.29 105 19.71 Cgl50 Sst50Bdm

Poorly sorted conglomerate interbedded with fine-medium grained grey wacke grading from coarse to fine grained up section. Clasts range from 0.2 - 3.0cm and occur as subangular.

Rare partial to full grain replacement by pyrite.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
86.25	88.00	1.75	15BI3Loc	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
85.59		qv	-1		50	68	-99	qv- 50/68/	1.0cm
85.78		qv	-1		15	80	-99	qv- 15/80/	1.5cm
86.08		ct	-1		80	110	-99	ct- 80/110/	
86.39		ra	-1		42	315	-99	ra- 42/315/	
88.87		ct	-1		40	150	-99	ct- 40/150/	
90.78		ca	-1		53	270	-99	ca- 53/270/	0.2cm
93.34		ca	-1		41	270	-99	ca- 41/270/	0.1cm
98.02		qv	-1		55	175	-99	qv- 55/175/	0.7cm
99.18		qv	-1		54	-99	-99	qv- 54//	0.5cm

FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:
87.51	87.52	0.01	Shh		0 Shh	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
85.18	88.30	3.12	M982289	0.015	FA_AAS	0.5	0.0055	0.1375	0.0001	26.0	5.98	2.09	0.01	0	-1	-1	TR12175292	
88.30	91.24	2.94	M982291	0.016	FA_AAS	0.3	0.0039	0.0346	0.0001	34.0	5.73	1.54	1	0	-1	-1	TR12175292	
91.24	94.17	2.93	M982292	0.018	FA_AAS	0.3	0.0091	0.0477	0.0001	24.0	6.65	1.25	0.01	0	-1	-1	TR12175292	
94.17	97.15	2.98	M982293	0.127	FA_AAS	0.9	0.0140	0.0475	0.0001	44.0	8.51	2.40	1	0	-1	-1	TR12175292	
97.15	100.12	2.97	M982294	0.093	FA_AAS	2.5	0.0529	0.2300	0.0001	24.0	8.19	1.74	0.01	0	0.01	-1	TR12175292	
100.12	102.59	2.47	M982295	0.015	FA_AAS	0.7	0.0063	0.0447	0.0001	18.0	6.70	0.83	-1	0	-1	-1	TR12175292	
102.59	105.57	2.98	M982296	0.037	FA_AAS	0.6	0.0097	0.0106	0.0001	45.0	5.71	2.19	0.1	0	-1	-1	TR12175292	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-24 105 114.25 9.25 Sst50Bdm Slt50

Interbedded fine-coarse grained greywacke, moderately sorted fining up-section.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
101.85	118.50	16.65	1Bt3Loc 1BI2Loc	

FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:
111.58	112.01	0.43	Shh		3 Shh3	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
105.57	108.56	2.99	M982297	0.025	FA_AAS	0.6	0.0050	0.0099	0.0001	30.0	6.57	2.28	0.5	0	-1	-1	TR12175292	
108.56	111.49	2.93	M982298	0.027	FA_AAS	0.8	0.0087	0.0118	0.0001	25.0	6.56	2.07	0.01	0	-1	-1	TR12175292	
111.49	114.26	2.77	M982299	0.031	FA_AAS	1.3	0.0137	0.0118	0.0001	50.0	5.89	2.48	1	0	-1	-1	TR12175292	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-24 114.25 118.5 4.25 Tfi100Msv

Grey, weakly bedded fine grained intermediate tuff. Introduction of stockwork-style ankerite/phyrotite/pyrite filled hairline fractures increasing in intensity towards lower contact.

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
116.85		xv		-1	34	103	-99	xv- 34/103/	0.5cm
117.48		xa		-1	60	22	-99	xa- 60/22/	~10 over 0.3cm

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPYP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
114.26	115.95	1.69	M982301	0.039	FA_AAS	3.5	0.0306	0.0086	0.0001	22.0	8.93	2.71	0.01	0	-1	-1	TR12175292	
115.95	118.13	2.18	M982302	0.106	FA_AAS	18.6	0.0358	0.0076	0.0001	11.0	8.74	2.90	2	0	-1	-1	TR12175292	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-24 118.5 121.88 3.38 Sst100Shr Tff

Grey, fine- medium weakly sheared greywacke interbedded with lesser intermediate fine grained tuff. Zone of moderate strain accumulation seen most dominantly as ank/pyr/po-filled hairline fractures. Rare thin bitotite veinlets occurring along what appears to be planes of strain indicating potentially brittle-ductile environment.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
118.50	121.88	3.38	7Bt3Loc 1Cl2Frc 0.5Bl1Loc	

FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:
118.50	121.88	3.38	SFh		2 SFh2	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPYP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
118.13	120.34	2.21	M982303	0.147	FA_AAS	4.8	0.0177	0.1385	0.0001	29.0	9.13	3.19	2	0	-1	-1	TR12175292	
120.34	122.45	2.11	M982304	4.960	SFA_AAS	30.4	0.0181	0.1025	0.0001	32.0	8.77	2.84	2	0	-1	-1	TR12175292	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-24 121.88 327 205.12 Sst100Msv

Grey fine-course grained variably altered greywacke interbedded with fine grained intermediate volcanic tuff. Lath-like crystals of euhedral/angular plag commonly occur locally up to 0.3cm in length becoming more rounded downsection.

Moderate - strong ubiquitous carbonate common within matrix and replacing grains. Difficult to differentiate primary carbonate cement from alteration. Preferred grain orientation is rare.

Unit is typically massive with variations in clast/crystal (plag) size and shape set in a fine grained matrix.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
121.88	133.00	11.12	7Bt3Int 5Ca3Int 5Bl4Loc 5Ca2Per	
133.00	149.95	16.95	10Bl3Loc 5Bt3Loc 3Ca2Per 1Cl2Frc	
149.95	153.40	3.45	25Bl3Per 1Cl2Frc 1Ca2Pat	
153.40	165.70	12.30	7Ca3Per 1Bl2Pat 0.5Bt2Loc 0.5Cl2Frc	
165.70	167.65	1.95	7Ca3Int 2Cl2Per 0.5Bt2Loc	
167.65	169.15	1.50	20Ca4Pat 15Bl4Pat	
169.15	178.80	9.65	7Ca3Per 1Bl2Frc	
178.80	180.90	2.10	5Ca3Per 5Bl4Frc	
180.90	181.90	1.00	20Bl4Sto 5Cl2Pat	
181.90	200.64	18.74	5Ca3Per 3Cl2Per	
200.64	227.80	27.16	10Ca3Per 5Bt3Pat 5Bl1Frc	
227.80	245.50	17.70	7Ca3Per 3Cl2Per	
245.50	276.95	31.45	7Ca3Per 7Bt3Pat 3Cl2Pat	
276.95	278.65	1.70	30Ca4Pat 10Bl3Frc 10Bt3Frc 3Cl3Frc	
278.65	327.00	48.35	7Ca3Per 5Bt3Pat 1Cl2Pat	

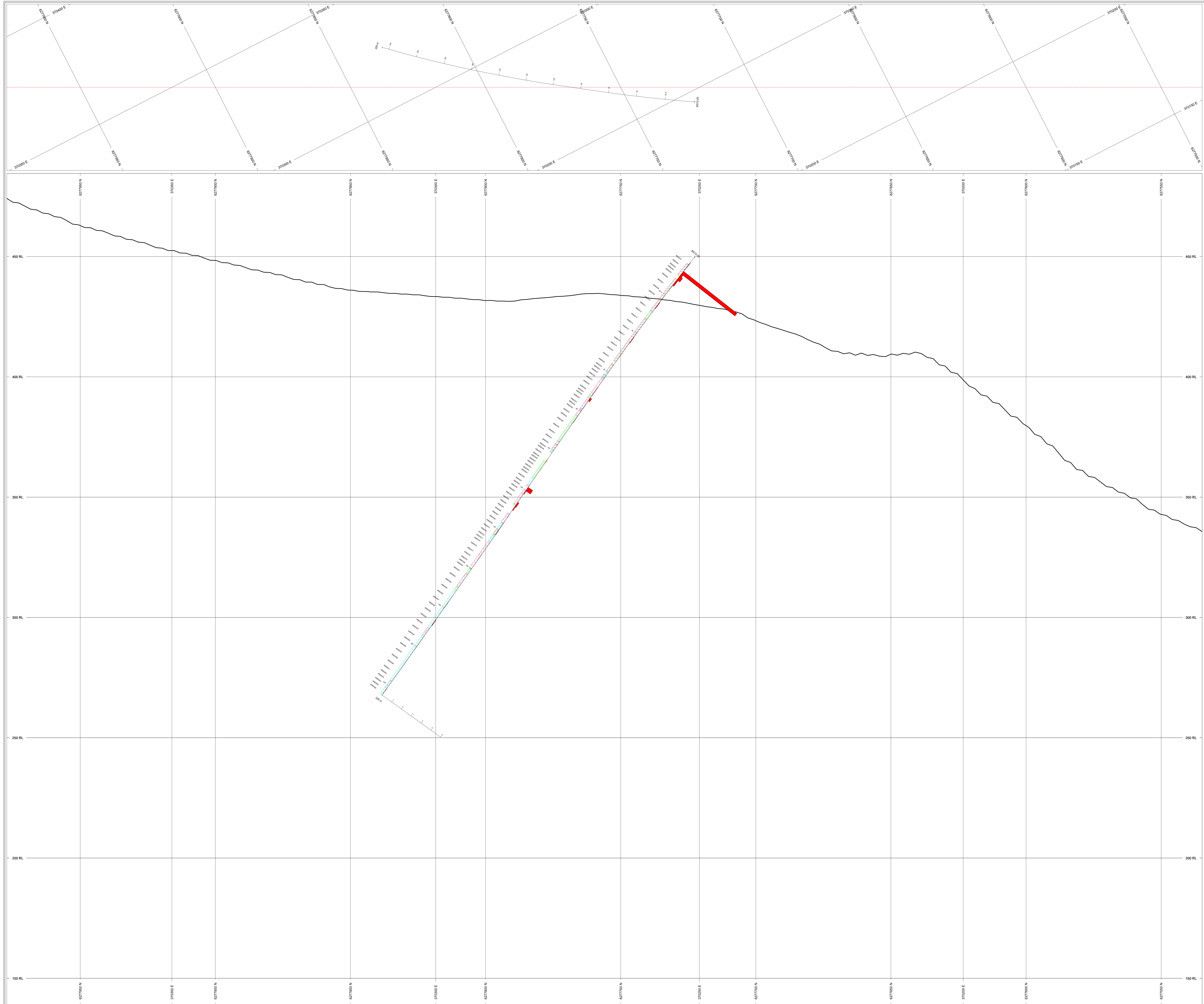
DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
126.84		qv	-1		10	170	-99	qv- 10/170/	0.5cm
128.28		qv	-1		20	170	-99	qv- 20/170/	0.9cm
130.61		qv	-1		51	315	-99	qv- 51/315/	4.0cm
131.88		qv	-1		15	330	-99	qv- 15/330/	11.2cm
136.02		qv	-1		50	90	-99	qv- 50/90/	12.3cm
137.43		qv	-1		42	352	-99	qv- 42/352/	8.4cm
138.23		qv	-1		38	-99	-99	qv- 38//	2.0cm
140.04		qv	-1		65	-99	-99	qv- 65//	2.6cm
141.21		qv	-1		30	270	-99	qv- 30/270/	1.7cm
145.59		xv	-1		58	5	-99	xv- 58/5/	1.9cm
147.61		xv	-1		32	39	-99	xv- 32/39/	1.1cm
159.65		lv	-1		33	60	-99	lv- 33/60/	0.6cm
195.62		qv	-1		33	235	-99	qv- 33/235/	2.0cm
221.69		qv	-1		43	-99	-99	qv- 43//	13.7cm with Ankerite along margin
246.22		xv	-1		25	21	-99	xv- 25/21/	1.1cm
267.05		xv	-1		30	-99	-99	xv- 30//	0.8cm
277.42		bv	-1		65	80	-99	bv- 65/80/	
278.33		xv	-1		35	90	-99	xv- 35/90/	
294.75		qv	-1		31	190	-99	qv- 31/190/	1.8cm

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
296.35		bv		-1	25	200	-99	bv- 25/200/	1.1cm
308.10		qv		-1	55	131	-99	qv- 55/131/	3.6cm
319.89		qv		-1	54	350	-99	qv- 54/350/	2.4cm

FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:
195.20	195.27	0.07	Shh		2 Shh2	
207.13	207.14	0.01	Shh		1 Shh1	
218.05	218.06	0.01	Gge		0 Gge	
222.92	228.00	5.08	Bcr		3 Bcr3	
278.07	278.62	0.55	SFh		3 SFh3	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
122.45	125.40	2.95	M982305	0.007	FA_AAS	0.3	0.0152	0.0444	0.0001	12.0	6.80	0.61	0.01	0	-1	-1	TR12175292	
125.40	128.17	2.77	M982306	0.026	FA_AAS	1.1	0.0205	0.3540	0.0001	29.0	7.62	3.09	1	0	-1	-1	TR12175292	
128.17	131.04	2.87	M982307	0.023	FA_AAS	7.0	0.0239	0.0864	0.0001	15.0	8.06	2.70	1	0	-1	0.01	TR12175292	
131.04	133.94	2.90	M982308	0.026	FA_AAS	3.7	0.0202	0.0103	0.0001	25.0	6.42	2.57	3	0	-1	-1	TR12175292	
133.94	136.85	2.91	M982309	0.170	FA_AAS	6.8	0.0463	0.0197	0.0001	4,990.0	8.37	3.77	0.5	0.01	-1	-1	TR12175292	
136.85	139.92	3.07	M982310	0.165	FA_AAS	8.4	0.0321	0.0173	0.0001	15,250.0	7.67	2.72	0.5	0.01	-1	-1	TR12175292	
139.92	142.43	2.51	M982311	0.005	FA_AAS	1.2	0.0207	0.0127	0.0001	68.0	6.78	1.68	0.5	0	-1	-1	TR12175292	
142.43	144.80	2.37	M982312	0.010	FA_AAS	1.6	0.0261	0.0096	0.0001	29.0	7.09	1.92	0.01	0	0.01	-1	TR12175292	
144.80	147.00	2.20	M982313	0.009	FA_AAS	1.3	0.0239	0.0108	0.0001	2.5	7.24	1.72	0.5	0	0.01	-1	TR12175292	
147.00	149.32	2.32	M982314	0.020	FA_AAS	2.6	0.0150	0.0099	0.0001	89.0	6.29	1.07	0.01	0	0.01	-1	TR12175292	
149.32	152.23	2.91	M982316	0.195	FA_AAS	1.3	0.0144	0.0133	0.0001	46,800.0	6.57	2.78	-1	5	-1	-1	TR12175292	
152.23	155.00	2.77	M982317	0.018	FA_AAS	0.9	0.0189	0.0095	0.0001	2,100.0	4.93	0.26	0.01	0.5	0.01	-1	TR12175292	
155.00	157.47	2.47	M982318	0.019	FA_AAS	1.5	0.0428	0.0158	0.0001	227.0	5.32	0.11	-1	0	0.01	-1	TR12175292	
157.47	160.37	2.90	M982319	0.019	FA_AAS	0.6	0.0219	0.0185	0.0001	264.0	5.96	0.31	0.5	0	0.01	-1	TR12175292	
160.37	161.33	0.96	M982320	0.045	FA_AAS	2.3	0.0207	0.0495	0.0004	82.0	8.36	3.97	1	0	-1	-1	TR12175292	
161.33	163.33	2.00	M982321	0.197	FA_AAS	0.6	0.0176	0.1090	0.0001	10.0	6.90	0.95	-1	0	-1	-1	TR12175292	
163.33	165.25	1.92	M982322	0.028	FA_AAS	0.8	0.0111	0.0118	0.0001	1,540.0	6.32	0.55	0.01	0	-1	-1	TR12181528	
165.25	167.65	2.40	M982323	0.165	FA_AAS	0.8	0.0122	0.0122	0.0001	927.0	6.39	0.33	0.01	0	-1	-1	TR12181528	
167.65	169.55	1.90	M982324	0.038	FA_AAS	3.0	0.0230	0.0614	0.0001	43.0	7.34	1.39	0.01	0	-1	-1	TR12181528	
169.55	172.50	2.95	M982325	0.011	FA_AAS	0.7	0.0121	0.0203	0.0001	41.0	6.17	0.68	0.01	0	-1	-1	TR12181528	
172.50	175.50	3.00	M982326	0.009	FA_AAS	1.1	0.0168	0.0111	0.0001	310.0	6.20	0.32	0.01	0	-1	-1	TR12181528	
175.50	178.50	3.00	M982327	0.005	FA_AAS	2.3	0.0208	0.0101	0.0001	16.0	6.99	0.66	0.01	0	0.01	-1	TR12181528	
178.50	181.40	2.90	M982328	0.085	FA_AAS	44.7	0.0142	0.0229	0.0001	35.0	6.82	0.88	1	0	-1	-1	TR12181528	
181.40	184.40	3.00	M982329	0.010	FA_AAS	1.4	0.0123	0.0294	0.0001	63.0	5.83	0.19	0.01	0	-1	-1	TR12181528	
184.40	187.40	3.00	M982331	0.017	FA_AAS	2.1	0.0231	0.0133	0.0001	37.0	6.32	0.37	0.01	0	-1	-1	TR12181528	
187.40	190.35	2.95	M982332	0.011	FA_AAS	1.6	0.0190	0.0156	0.0001	25.0	5.97	0.28	-1	0	-1	-1	TR12181528	
190.35	193.35	3.00	M982333	0.013	FA_AAS	2.1	0.0277	0.0291	0.0001	19.0	6.73	0.88	-1	0	-1	-1	TR12181528	
193.35	196.25	2.90	M982334	0.008	FA_AAS	1.4	0.0198	0.0170	0.0001	20.0	7.72	0.71	-1	0	-1	-1	TR12181528	
196.25	199.25	3.00	M982335	0.025	FA_AAS	3.5	0.0162	0.0383	0.0001	18.0	7.72	0.89	0.1	0	-1	-1	TR12181528	
199.25	201.40	2.15	M982336	0.009	FA_AAS	2.3	0.0187	0.0305	0.0001	14.0	8.66	0.94	1	0	-1	-1	TR12181528	
201.40	202.95	1.55	M982337	0.009	FA_AAS	1.5	0.0160	0.0360	0.0001	17.0	6.80	1.12	0.01	0	-1	-1	TR12181528	
202.95	205.95	3.00	M982338	0.026	FA_AAS	1.4	0.0136	0.0780	0.0001	21.0	6.61	0.72	0.01	0	-1	-1	TR12181528	
205.95	208.95	3.00	M982339	0.017	FA_AAS	1.1	0.0135	0.0114	0.0001	24.0	7.05	1.41	1	0	-1	-1	TR12181528	
208.95	211.95	3.00	M982340	0.051	FA_AAS	1.5	0.0132	0.0067	0.0001	107.0	5.99	1.90	3	0	-1	-1	TR12181528	
211.95	214.95	3.00	M982341	0.023	FA_AAS	1.3	0.0149	0.0078	0.0001	62.0	6.90	2.06	1	0	-1	-1	TR12181528	
214.95	217.95	3.00	M982342	0.018	FA_AAS	1.2	0.0157	0.0081	0.0001	34.0	6.52	1.43	1	0	-1	-1	TR12181528	
217.95	220.95	3.00	M982343	0.073	FA_AAS	2.8	0.0227	0.0121	0.0001	52.0	7.06	2.62	1	0	-1	-1	TR12181528	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%:	ASP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
220.95	223.95	3.00	M982344	0.143	FA_AAS	2.9	0.0196	0.0352	0.0001	51.0	6.78	2.50	0.5	0	-1	-1	TR12181528	
223.95	226.00	2.05	M982346	0.026	FA_AAS	1.6	0.0133	0.0111	0.0001	54.0	7.09	1.90	3	0	-1	-1	TR12181528	
226.00	228.95	2.95	M982347	0.022	FA_AAS	1.4	0.0092	0.0205	0.0001	42.0	7.22	1.69	1	0	-1	-1	TR12181528	
228.95	231.95	3.00	M982348	0.006	FA_AAS	1.4	0.0107	0.0333	0.0001	20.0	6.19	0.20	0.01	0	-1	-1	TR12181528	
231.95	234.95	3.00	M982349	0.012	FA_AAS	2.1	0.0136	0.0606	0.0001	27.0	6.34	0.10	0.01	0	-1	-1	TR12181528	
234.95	237.95	3.00	M982350	0.024	FA_AAS	2.9	0.0209	0.0500	0.0001	61.0	6.75	0.09	0.01	0	-1	-1	TR12181528	
237.95	240.95	3.00	M982352	0.016	FA_AAS	1.8	0.0121	0.0645	0.0001	27.0	6.59	0.13	0.01	0	-1	-1	TR12181528	
240.95	243.95	3.00	M982353	0.030	FA_AAS	3.7	0.0294	0.0981	0.0001	26.0	6.34	0.29	0.01	0	-1	0.01	TR12181528	
243.95	246.95	3.00	M982354	0.018	FA_AAS	2.6	0.0239	0.1265	0.0001	26.0	6.97	1.14	0.5	0	-1	-1	TR12181528	
246.95	250.00	3.05	M982355	0.056	FA_AAS	2.0	0.0180	0.1365	0.0001	12.0	6.80	0.97	0.01	0	-1	-1	TR12181528	
250.00	253.00	3.00	M982356	0.014	FA_AAS	1.4	0.0155	0.0187	0.0001	17.0	7.05	0.37	0.01	0	-1	-1	TR12181528	
253.00	256.00	3.00	M982357	0.008	FA_AAS	1.1	0.0172	0.0159	0.0001	16.0	7.54	0.44	0.01	0	-1	-1	TR12181528	
256.00	259.00	3.00	M982358	0.006	FA_AAS	1.1	0.0167	0.0148	0.0001	18.0	6.11	0.67	1	0	-1	-1	TR12181528	
259.00	262.00	3.00	M982359	0.014	FA_AAS	1.5	0.0117	0.0093	0.0001	29.0	7.36	1.39	3	0	-1	-1	TR12181528	
262.00	265.00	3.00	M982361	0.013	FA_AAS	1.1	0.0154	0.0123	0.0001	30.0	6.30	0.42	1	0	-1	-1	TR12181528	
265.00	268.00	3.00	M982362	0.011	FA_AAS	1.1	0.0143	0.0113	0.0001	21.0	6.63	0.61	0.01	0	-1	-1	TR12181528	
268.00	271.00	3.00	M982363	0.011	FA_AAS	1.7	0.0286	0.0094	0.0001	38.0	6.80	1.26	1	0	-1	-1	TR12181528	
271.00	274.00	3.00	M982364	0.003	FA_AAS	0.5	0.0075	0.0248	0.0001	24.0	5.93	0.63	0.01	0	-1	-1	TR12181528	
274.00	276.70	2.70	M982365	0.007	FA_AAS	0.5	0.0057	0.0168	0.0001	25.0	6.16	1.02	1	0	-1	-1	TR12181528	
276.70	278.70	2.00	M982366	0.713	FA_AAS	88.3	0.0481	0.2180	0.0001	1,140.0	9.59	4.11	5	0	0.01	1	TR12181528	
278.70	281.70	3.00	M982367	0.010	FA_AAS	0.9	0.0088	0.0221	0.0001	29.0	6.82	0.90	0.01	0	-1	-1	TR12181528	
281.70	284.70	3.00	M982368	0.017	FA_AAS	1.7	0.0224	0.0166	0.0001	500.0	6.12	0.18	0.01	0	-1	-1	TR12181528	
284.70	287.70	3.00	M982369	0.013	FA_AAS	1.6	0.0194	0.0334	0.0001	469.0	5.99	0.18	0.01	0	-1	-1	TR12181528	
287.70	290.70	3.00	M982370	0.009	FA_AAS	0.9	0.0146	0.0185	0.0001	422.0	6.05	0.17	0.01	0	-1	-1	TR12181528	
290.70	293.70	3.00	M982371	0.018	FA_AAS	1.7	0.0238	0.0195	0.0001	1,045.0	5.91	0.23	0.01	0	-1	-1	TR12181528	
293.70	296.70	3.00	M982372	0.015	FA_AAS	1.5	0.0231	0.0202	0.0001	186.0	6.56	0.20	0.01	0	-1	-1	TR12181528	
296.70	299.70	3.00	M982373	0.006	FA_AAS	1.2	0.0149	0.0168	0.0001	92.0	6.80	0.16	0.01	0	-1	-1	TR12181528	
299.70	302.70	3.00	M982374	0.010	FA_AAS	1.8	0.0174	0.0115	0.0001	28.0	6.68	0.11	0.01	0	-1	-1	TR12181528	
302.70	305.70	3.00	M982376	0.007	FA_AAS	1.1	0.0133	0.0578	0.0001	12.0	6.70	0.23	0.01	0	-1	-1	TR12181528	
305.70	308.70	3.00	M982377	0.007	FA_AAS	1.2	0.0104	0.0284	0.0001	49.0	6.92	0.14	0.01	0	-1	-1	TR12181528	
308.70	311.70	3.00	M982378	0.016	FA_AAS	2.3	0.0203	0.0298	0.0001	110.0	6.43	0.13	0.01	0	-1	0.01	TR12181528	
311.70	314.70	3.00	M982379	0.021	FA_AAS	3.0	0.0253	0.0599	0.0001	37.0	6.13	0.20	0.01	0	-1	-1	TR12181528	
314.70	317.70	3.00	M982380	0.014	FA_AAS	2.0	0.0189	0.0354	0.0001	10.0	5.83	0.21	0.01	0	-1	-1	TR12181528	
317.70	320.70	3.00	M982381	0.016	FA_AAS	2.0	0.0121	0.0614	0.0001	2.5	5.72	0.24	0.01	0	-1	-1	TR12181528	
320.70	323.70	3.00	M982382	0.005	FA_AAS	0.7	0.0035	0.0603	0.0001	2.5	6.15	0.32	0.01	0	-1	-1	TR12181528	
323.70	327.00	3.30	M982383	0.003	FA_AAS	0.7	0.0032	0.0352	0.0001	15.0	5.80	0.18	0.01	0	-1	-1	TR12181528	



TOPOGRAPHY

— Topography

BAR GRAPHS

LR	COL
Au_per	R

ROCK CODES

LR	PAT	DESCRIPTION
Mud	Diagonal lines	Mudstone
Sh	Horizontal lines	Shale
FS	Vertical lines	Fine Grained Sandstone
SP	Stippled	Siltstone
CH	Diagonal lines (other)	Chert
TS	Stippled (other)	Tuff - Intermediate
AN	Diagonal lines (other)	Andesite
MS	Diagonal lines (other)	Carbonaceous Mudstone

POSTED TEXT

LR	TEXT	ITEMS
SW	SW	SW

SECTION SPECS:

REF. PT. E. N 370200 m 6277900 m

EXTENTS 487 m 345.7 m

SECTION TOP. BOT 464.6 m 158.9 m

TOLERANCE ± 50 m

SCALE 1:500

ASPECT: 207.124°

NAQS1: UTM zone 59

IskutGold Corp (SGG.TSX)
Iskut Property (SG12-25)
370268E SECTION
Cross-Section: 28200BE



HOLE-ID: **SG12-25**
 UTM East: 370,245.52
 UTM North: 6,277,725.42
 Elevation: 430.00
 Length (m): 225.00
 ZONE: Burnie_North
 Collar CrossSection:

Drill Company: NoLimitDrilling
 Logged By: Emily Hanson
 Operator:
 Purpose:
 Casing:
 Year: 2012
 Proposed HID: PB-06

DISTANCE:	AZIMUTH:	DIP:	SURVEYTYPE:	COMMENTS:
52.00	34.60	-54.10	ReflexGyro	
2.00	32.00	-53.20	ReflexGyro	
102.00	35.90	-54.90	ReflexGyro	
97.00	35.60	-54.90	ReflexGyro	
92.00	35.50	-54.90	ReflexGyro	
87.00	35.40	-54.70	ReflexGyro	
82.00	35.30	-54.60	ReflexGyro	
77.00	35.30	-54.50	ReflexGyro	
72.00	35.40	-54.50	ReflexGyro	
67.00	35.30	-54.60	ReflexGyro	
112.00	36.40	-54.90	ReflexGyro	
57.00	34.90	-54.20	ReflexGyro	
117.00	36.60	-55.00	ReflexGyro	
47.00	34.20	-53.80	ReflexGyro	
42.00	34.00	-53.70	ReflexGyro	
37.00	33.60	-53.30	ReflexGyro	
32.00	33.40	-53.10	ReflexGyro	
27.00	33.10	-52.80	ReflexGyro	
22.00	32.70	-52.70	ReflexGyro	
17.00	32.50	-52.40	ReflexGyro	
12.00	32.30	-52.10	ReflexGyro	
7.00	32.00	-51.70	ReflexGyro	
62.00	35.20	-54.40	ReflexGyro	
167.00	39.40	-54.20	ReflexGyro	
222.00	43.20	-53.20	ReflexGyro	
217.00	43.00	-53.30	ReflexGyro	
212.00	42.60	-53.40	ReflexGyro	
207.00	42.20	-53.60	ReflexGyro	
202.00	41.80	-53.60	ReflexGyro	
197.00	41.60	-53.80	ReflexGyro	
192.00	41.20	-53.80	ReflexGyro	
187.00	40.80	-53.90	ReflexGyro	
182.00	40.50	-53.90	ReflexGyro	
107.00	36.20	-55.00	ReflexGyro	
172.00	39.70	-54.10	ReflexGyro	

DISTANCE:	AZIMUTH:	DIP:	SURVEYTYPE:	COMMENTS:
0.00	40.00	-53.00		
162.00	39.10	-54.30	ReflexGyro	
157.00	39.00	-54.40	ReflexGyro	
152.00	38.70	-54.60	ReflexGyro	
147.00	38.40	-54.70	ReflexGyro	
142.00	38.10	-54.90	ReflexGyro	
137.00	37.80	-55.00	ReflexGyro	
132.00	37.70	-55.00	ReflexGyro	
127.00	37.40	-55.00	ReflexGyro	
122.00	37.10	-55.10	ReflexGyro	
177.00	40.00	-54.00	ReflexGyro	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 0 4 4 Ovb100

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 4 10.25 6.25 Mud100Bdf

Dark grey thinly bedded moderately deformed mudstone. Strong Fe oxidation along fracture planes and in Ca+Fe stringers.

Deformation of So displays mm scale parasitic folds with rare development of S1.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
8.20	8.60	0.40	80BI5Loc	
8.60	10.20	1.60	10Bt3Per	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
7.90		qv		-1	60	-99	-99	qv- 60//	20.1cm

FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:
7.70	7.73	0.03	Shh		3 Shh3	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
3.00	5.25	2.25	M982501	0.031	FA_AAS	1.1	0.0037	0.0081	0.0001	46.0	5.01	0.18	0.01	0	-1	-1	TR12181528	
5.25	7.50	2.25	M982502	0.015	FA_AAS	1.6	0.0042	0.0104	0.0001	51.0	5.05	0.24	0.01	0	-1	-1	TR12181528	
7.50	9.00	1.50	M982503	5.660	SFA_AAS	64.9	0.0191	0.2820	0.0001	160.0	4.14	1.02	0.5	0	-1	0.01	TR12181528	
9.00	10.10	1.10	M982504	0.185	FA_AAS	5.0	0.0094	0.0076	0.0001	475.0	4.81	0.30	0.01	0	-1	-1	TR12181528	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 10.25 12 1.75 Fdk100Por

Weakly developed overprinting fabric defined by alignment of plag+qtz crystal and alignment of biotite interpreted to be S1.

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
10.94		s1		-1	55	-99	-99	s1- 55//	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
10.10	12.00	1.90	M982505	0.308	FA_AAS	2.1	0.0015	0.0076	0.0001	73.0	2.55	0.27	-1	0	-1	-1	TR12181528	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 12 29 17 Mud100Bdf

Dark grey thinly bedded moderately deformed mudstone. Strong Fe oxidation along fracture planes and in Ca+Fe stringers.

Deformation of So displays mm scale parasitic folds with rare development of S1.

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:									
23.80	s0		-1		25	310	-99	s0- 25/310/										
FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:												
25.65	27.43	1.78	Gge		3 Gge3													
FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPYP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
12.00	15.00	3.00	M982506	0.130	FA_AAS	1.8	0.0037	0.0113	0.0001	38.0	4.88	0.41	0.01	0	-1	-1	TR12181528	
15.00	18.00	3.00	M982507	0.012	FA_AAS	0.6	0.0051	0.0091	0.0001	67.0	5.43	0.19	0.01	0	-1	-1	TR12181528	
18.00	21.00	3.00	M982508	0.003	FA_AAS	0.6	0.0041	0.0095	0.0001	46.0	4.07	0.07	0.01	0	-1	-1	TR12181528	
21.00	24.00	3.00	M982509	0.013	FA_AAS	0.6	0.0042	0.0083	0.0001	12.0	4.76	0.05	0.01	0	-1	-1	TR12181528	
24.00	27.00	3.00	M982510	0.039	FA_AAS	0.5	0.0061	0.0108	0.0001	13.0	5.23	0.19	0.01	0	-1	-1	TR12181528	
27.00	30.00	3.00	M982511	0.003	FA_AAS	0.3	0.0045	0.0069	0.0001	2.5	4.83	0.11	0.01	0	-1	-1	TR12181528	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 29 32.7 3.7 Slt80Bdf Mud20Bdf

Similar to mudstone upsection with dominant grey-green coarser grained siltstone as dominant rock type interbedded with subordinate thin beds of mudstone. Siltstone typically is thinly bedded with rare massive beds up to 20cm in thickness.

Grey-green, chlorite rich units may be andesitic volcanics

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:									
29.84	s1		-1		45	-99	-99	s1- 45//										
FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPYP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
30.00	33.00	3.00	M982512	0.003	FA_AAS	0.3	0.0014	0.0030	0.0001	2.5	4.59	0.04	-1	0	-1	-1	TR12181528	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 32.7 49.95 17.25 Mud50Bdf Slit50Bdf

Same as above siltstone with increase abundance of fine grained mudstone.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
28.10	44.05	15.95	3Cl1Pat 2Bt1Pat	
44.05	44.40	0.35	15Bt3Int 3Cl2Per	
44.40	46.50	2.10	20Sr3Int	
46.50	49.95	3.45	10Bt3Int	Concentrated along bedding planes to give a subtle brown/black striped appearance.

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
33.98		s0		-1	25	275	-99	s0- 25/275/	
35.05		s1		-1	37	243	-99	s1- 37/243/	
37.56		s0		-1	31	43	-99	s0- 31/43/	
40.45		s0		-1	64	85	-99	s0- 64/85/	
43.60		cv		-1	56	-99	-99	cv- 56//	6.2cm
47.42		s0		-1	63	110	-99	s0- 63/110/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
33.00	36.00	3.00	M982513	0.003	FA_AAS	0.3	0.0056	0.0091	0.0002	6.0	4.67	0.20	0.01	0	-1	-1	TR12181528	
36.00	39.00	3.00	M982514	0.003	FA_AAS	0.3	0.0049	0.0085	0.0001	15.0	4.45	0.12	0.01	0	-1	-1	TR12181528	
39.00	42.00	3.00	M982516	0.010	FA_AAS	0.6	0.0053	0.0089	0.0001	24.0	4.10	0.20	0.01	0	-1	-1	TR12181528	
42.00	45.00	3.00	M982517	0.038	FA_AAS	1.1	0.0059	0.0081	0.0001	27.0	4.87	0.39	0.01	0	-1	-1	TR12181528	
45.00	48.00	3.00	M982518	0.003	FA_AAS	0.6	0.0088	0.0095	0.0001	41.0	5.53	0.45	-1	0	-1	-1	TR12181528	
48.00	50.00	2.00	M982519	0.003	FA_AAS	0.6	0.0073	0.0096	0.0003	137.0	4.71	0.57	-1	0	-1	-1	TR12181528	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 49.95 52.95 3 Mud100Msv

SILICIFIED ZONE

Completely silicified zone. Very fine grained with trace remnants of bedding. Ranges from pale green-grey and massive with trace biotite along either S0 or S1 to a grey more coarse crystalline. Protolith is difficult to determine and this should be treated as its own lithology as either a result of nearly complete Si replacement, a qtz vein of very felsic volcanic/sediment.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
49.95	52.95	3.00	90Si5Per 7Cl2Per 3Bt2Per	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
50.00	52.94	2.94	M982520	0.009	FA_AAS	1.1	0.0039	0.0056	0.0001	8.0	1.75	0.38	0.01	0	-1	-1	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 52.95 54.76 1.81 Mud80Bdm Slit20Bdm

Moderately altered interbedded mudstone siltstone with increased chlorite towards upper contact with the silicified unit for ~30cm where biotite takes over as dominant alteration.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
52.95	54.76	1.81	15Bt3Per 5Cl3Loc	Chlorite alteration is localized with ~30m from upper contact with the silicified unit decreasing downsection where biotite becomes dominant alteration.

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
52.94	55.95	3.01	M982521	0.003	FA_AAS	1.1	0.0030	0.0079	0.0001	30.0	3.31	0.24	0.01	0	-1	-1	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 54.76 55.95 1.19 Ovb100Bdf

Marble

Light grey/white bedded limestone with alternating thin beds of brown (biotite) and grey dirty limestone.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
54.76	55.95	1.19	5Bt3Loc 1Cl1Loc	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
54.76		ct		-1	60	125	-99	ct- 60/125/	
55.51		s0		-1	45	112	-99	s0- 45/112/	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 55.95 56.3 0.35 Sst100Bdf

Fine-medium grained moderately altered thinly bedded sandstone. Moderate ser+bio alteration along bedding planes showing signs of increased strain relative to upper and lower liths seen in weak development of S1.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
55.95	56.30	0.35	60Qz4Per 15Sr3Int 5Bt2Int	"dirty-chert like interval, likely a quartz flooding event with later sericite and biotite alteration"

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 56.3 60.28 3.98 Mud70Bdf Slt30Bdf

Dark grey weakly to moderately altered mudstone interbedded with brownish-grey siltstone. Predominantly biotite altered, with biotite alteration stronger in the coarser, silty units. Occasional quartz veins coincident with S0 / S1, or less commonly x-cutting structural fabric.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
56.30	60.28	3.98	15Bt2Per	biotite alteration concentrated in coarser-grained beds

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
55.95	58.95	3.00	M982522	0.003	FA_AAS	0.3	0.0034	0.0084	0.0001	16.0	4.08	0.49	1	0	-1	-1	TR12182313	
58.95	60.28	1.33	M982523	0.003	FA_AAS	0.3	0.0033	0.0096	0.0002	10.0	4.09	0.49	1	0	-1	-1	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 60.28 61.65 1.37 Cht80Bdf SlT20Bdf

60.28-61.23: Dirty chert OR completely quartz flooded zone with similar structural textures to the unit above. Sericite and biotite alteration present, confined to mm-scale beds within the unit. Upper contact defined by 2cm quartz vein; lower contact with slightly different unit is sharp.

61.23-61.65: Mixed unit of "dirty chert", chlorite altered zones, and quartz-rich pinkish-brownish zone with abundant pyrite (10-20% locally). Similar structural features to surrounding rock. But stronger, more pervasive alteration which appears to be after the initial silicification even. Late-stage fractures (nearly parallel TCA) and quartz-stringers (sub-perpendicular TCA) that cross-cut all lithology and structure carry very fine pyrite.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
60.28	61.23	0.95	65Qz5Per 10Bt2Int 0Sr2Int	"dirty chert unit, or strongly silicified with beds of preferential biotite or sericite alteration"
61.23	61.30	0.07	50Cl4Per	"zone of chlorite alteration, within but separate lithology from the ""dirty chert"" unit"
61.30	61.65	0.35	45Qz5Per 30Bt3Int 10Sr2Int	"silica flooded zone, abundant pyrite"

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
60.28	61.72	1.44	M982524	0.003	FA_AAS	0.7	0.0053	0.0141	0.0007	16.0	4.44	2.63	4	0	-1	-1	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 61.65 63 1.35 Mud100Bdf

Finely bedded, dark grey mudstone with weak biotite alteration and bleached horizons around mm-scale quartz veins that x-cut S0 and S1. Similar to above mudstone units.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
61.65	63.00	1.35	10Bt1Int 10Bi1Loc	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
61.72	63.45	1.73	M982525	0.005	FA_AAS	1.1	0.0040	0.0108	0.0004	16.0	4.02	1.29	2	0	-1	-1	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 63 63.46 0.46 Cht100Bdf

Low degree of certainty regarding lithology, "dirty chert" unit, or quartz-flooded zone with later stage sericite and k-spar (?) alteration. Similar to above described dirty chert unit with slightly different alteration. Basal contact is sharp and marked by an increase in a pervasive pinkish mineral (k-spar) and increased pyrite.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
63.00	63.46	0.46	80Qz5Per 10Ks3Per 10Sr2Int	dirty chert unit or quartz-flooded zone. K-spar(?) alteration towards bottom of unit at basal contact

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 63.46 72.15 8.69 And85Bdf Cht10Bdf Ovb5Msv

OVB = GOUGE ZONE
 CHERT = SILICIFIED ZONE

Green, potential andesitic volcanic unit, or strongly chlorite altered sedimentary unit, with cm-scale white, chlorite + clay altered beds; more silicified zones (lith code = chert) occur throughout with occasional quartz flooding and increased alteration (see alteration log).

70.10-72.0m: broken zone with central ~10cm gouge zone, dark green, clay-rich gouge.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
63.46	65.65	2.19	60Cl3Per	
65.65	67.42	1.77	25Ca5Per 60Cl3Per	"10-30cm beds of white, calcite flooded + clay altered beds"
67.42	69.50	2.08	75Si3Per 50Si3Per 5Sr1Pat	interbedded layers of chlorite alteration and quartz-flooded or silicified beds
69.50	69.95	0.45	85Qz5Per 10Sr3Per 5Cl1Per	"dirty chert with sericite > chlorite alteration, both confined to certain thin beds"
69.95	72.15	2.20	100Cl2Per	with central chl-rich clay gouge

FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:
65.19	82.72	17.53	Bcr		4 Bcr4	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
63.45	65.46	2.01	M982526	0.006	FA_AAS	0.3	0.0036	0.0122	0.0002	5.0	6.65	0.97	1	0	-1	-1	TR12182313	
65.46	67.41	1.95	M982527	0.003	FA_AAS	0.3	0.0037	0.0148	0.0004	9.0	5.66	0.99	2	0	-1	-1	TR12182313	
67.41	69.82	2.41	M982528	0.017	FA_AAS	0.3	0.0024	0.0077	0.0001	5.0	4.68	1.70	5	0	-1	-1	TR12182313	
69.82	72.15	2.33	M982529	0.017	FA_AAS	0.3	0.0047	0.0114	0.0002	2.5	6.19	0.63	1	0	-1	-1	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 72.15 73.03 0.88 Slt100Bdf

Brownish, sedimentary unit, siltstone to fine-grained sandstone, with strong biotite alteration. Strongly sheared with well-developed S1 fabric. Intruded by several late-stage, mm-scale quartz veins at various angles TCA.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
72.15	73.03	0.88	100Bt3Per 1Sr1Frc	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
72.15	73.03	0.88	M982531	0.003	FA_AAS	0.3	0.0044	0.0108	0.0001	8.0	5.03	0.24	0.01	0	-1	-1	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 73.03 73.4 0.37 Cht100Bdf

Dirty chert as described above, with chlorite and sericite alteration.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
73.03	73.40	0.37	80Qz5Per 5Cl2Int 5Sr2Int	dirty chert or quartz-flooded zone with alter stage chlorite and sericite alteration confined to specific beds

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 73.4 78.76 5.36 And85Bdf Cht15Bdf

Dark grey-green, chlorite altered andesitic volcanic, or possibly chlorite altered sediment. Same as andesitic unit described above with abundant broken zones, 5cm section of green fault gouge at 75.86m, and beds of increased calcite+clay alteration with increased pyrite content.

Upper contact is sharp and marked by a dark-green and white layered quartz-flooded zone (78.76-74.15) with increased pyrite (3-5% locally) and decreased silicification away from upper contact. Similar beds of the same material occur throughout andesitic unit.

Basal contact is marked by a 4cm calcite replaced bed and increased alteration likely related to intrusion of the mafic dyke.

76.63-77.40: "Dirty chert" or more likely quartz-flooded zone with weak chlorite and sericite alteration and increased medium-coarse grained disseminated pyrite (5%).

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
73.40	74.15	0.75	60Qz5Per 40Cl5Per	interbedded quartz-flooded and chlorite-altered beds
74.15	75.06	0.91	40Cl4Per 100Si2Per	silicification decreases downhole
75.06	78.77	3.71	40Cl4Per 15Qz4Per 5Ca4Loc	beds of dominantly chlorite alteration; dominantly quartz-flooding; and dominantly calcite + clay (thinnest and least abundant)

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
73.03	74.55	1.52	M982532	0.146	FA_AAS	0.3	0.0072	0.0083	0.0003	5.0	4.06	0.53	2	0	-1	-1	TR12182313	
74.55	76.64	2.09	M982533	0.008	FA_AAS	0.3	0.0043	0.0135	0.0001	2.5	6.21	1.63	3	0	-1	-1	TR12182313	
76.64	78.77	2.13	M982534	0.015	FA_AAS	0.5	0.0068	0.0151	0.0002	19.0	5.95	1.10	2	0	-1	-1	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 78.76 79.35 0.59 Mdk100Por

Dark grey to dark greyish-brown, porphyritic mafic dyke. Sharp contacts with surrounding country rock, 12cm upper chill margin, 5cm lower chill margin.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
78.77	79.26	0.49	10Cl1Pat	chlorite alteration of mafic minerals in the mafic dyke (?)

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
78.77		ct		-1	60	-99	-99	ct- 60//	
79.26		ct		-1	80	-99	-99	ct- 80//	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
78.77	79.26	0.49	M982535	0.003	FA_AAS	0.3	0.0036	0.0102	0.0001	2.5	7.41	0.20	-1	0	-1	-1	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 79.35 82.3 2.95 And100Shr

Greenish-grey andesitic volcanic unit, moderately sheared with moderate to strong chlorite alteration. Similar to above described andesitic unit but with increased shearing and weakly developed S1 fabric. Intruded by several mm-scale calcite veins and occasional cm-scale quartz-anchorite veins. Occasional zones with quartz-flooded beds interbedded (mm-scale) with chlorite-altered volcanic beds.

Sharp upper contact with a thin zone of weak bleaching from the intrusion of the mafic dyke. Basal contact is difficult to pin-point and is defined by a 2cm wide strongly calcite-flooded + clay-rich bed.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
79.26	82.30	3.04	75Cl3Per 10Qz4Loc 8Sr2Loc	horizons with interbedded quartz-flooding and chlorite alteration. Wispy sericite alteration occurs in quartz-flooded areas

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
79.26	82.00	2.74	M982536	0.011	FA_AAS	0.3	0.0062	0.0215	0.0003	2.5	5.18	1.14	3	0	-1	-1	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 82.3 95.4 13.1 Slt85Shr Ovb10Bdm Mud5Bdf

Siltstone -> mylonite

OVB = Calcite flooded zone with strong alteration

82.3-84.0m: Carbonate flooded zone with interbedded with mudstone. Carbonate flooded zones are calcite rich (5/5 with 5-6% acid) with strongly altered sericite + chlorite and/or anchorite(?) and/or biotite beds. Mudstone is dark brownish-grey. Intruded by one mm-scale, late stage quartz-chlorite vein with minor pyrite, sub-parallel TCA.

84.0-95.4m: Strongly sheared, brownish siltstone trending towards mylonite. Weak to moderate biotite alteration with beds of weak chloritic alteration with the biotite alteration. Well developed S1 fabric and crenulations.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
82.30	84.00	1.70	60Ca5Per 20Ak5Per 10Bt1Pat 5Cl1Pat 5S	"Anchorite = early phase of alteration. Later stage of calcite-flooding appears to ""bust-up"" the anchorite flooding"
84.00	95.40	11.40	80Bt2Int 15Cl1Pat	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
83.18		s0		-1	55	70		-99 s0- 55/70/	
85.34		qv		-1	65	-99		-99 qv- 65//	
93.87		s1		-1	35	-99		-99 s1- 35//	
95.29		s0		-1	47	82		-99 s0- 47/82/	

FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:
86.63	90.60	3.97	Gge		3 Gge3	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
82.00	84.00	2.00	M982537	0.013	FA_AAS	2.3	0.0049	0.0103	0.0002	2.5	5.50	1.86	2	0	-1	-1	TR12182313	
84.00	86.00	2.00	M982538	0.020	FA_AAS	4.0	0.0063	0.0159	0.0001	158.0	4.58	0.98	0.01	0	-1	-1	TR12182313	
86.00	89.00	3.00	M982539	0.003	FA_AAS	0.9	0.0068	0.0108	0.0001	288.0	5.46	0.20	0.01	0	-1	-1	TR12182313	
89.00	92.00	3.00	M982540	0.003	FA_AAS	1.3	0.0059	0.0163	0.0001	378.0	5.48	0.27	0.01	0	-1	-1	TR12182313	
92.00	95.00	3.00	M982541	0.003	FA_AAS	1.8	0.0047	0.0173	0.0001	491.0	5.56	0.29	0.01	0	-1	-1	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 95.4 96.97 1.57 And30Shr Slit70Shr

Interbedded greenish-grey andesitic volcanics and brownish siltstone. Entire package is calcite rich with 4/5 reaction to 5-6% HCL.

Andesitic beds are chlorite altered, fine grained with medium-grained calcite altered minerals elongated and coincident with S0 (may be a sheared, altered grey-wacke as opposed to andesitic volcanic). Siltstone is the same as the overlying unit, strongly sheared and biotite altered.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
95.40	96.70	1.30	70Cl2Int 30Bt2Int	beds of predominantly chlorite alteration and beds of predominant biotite alteration

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
95.00	97.00	2.00	M982542	0.006	FA_AAS	2.3	0.0070	0.0155	0.0001	224.0	5.31	0.48	0.01	0	-1	-1	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 96.97 99.67 2.7 Mud100Bdf

Dark to medium grey mudstone. Cm-scale bed of carbonaceous mudstone at upper contact. Mudstone is finely bedded with calcite flooded beds (giving a lighter grey, weakly bleached look to the unit; 4/5 reaction with 5-6% HCL). Unit is weakly sheared, with S0 appearing coincident with S1. Late stage quartz, quartz-calcite and quartz-anchorite veins (mm-scale) intrude the mudstone at various angles TCA and x-cut all S0 and S1. Chlorite alteration occurs towards the basal contact. Sharp upper and lower contacts, sub-perpendicular TCA. 1-2% disseminated pyrite.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
96.70	99.25	2.55	50Ca4Per 10Cl1Pat	interbedded unit with calcite-flooded beds
99.25	99.67	0.42	50Ca3Per	interbedded unit with calcite-flooded beds

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
96.97		ct		-1	60	-99	-99	ct- 60//	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
97.00	99.67	2.67	M982543	0.003	FA_AAS	0.3	0.0070	0.0082	0.0001	90.0	4.64	0.64	1	0	-1	-1	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 99.67 100.19 0.52 Ovb100Bdf

Marble

Marble or metamorphosed calcite-flooded zone, unknown protolith. Unit is calcite-rich with chlorite and biotite-altered beds (mm-scale). Similar to above listed marbles.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
99.67	100.19	0.52	90Ca5Per 10Cl3Int 8Bt2Int	marble or metamorphosed calcite-flooded zone with beds of chlorite or biotite alteration.

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
99.94		s0		-1	40	205	-99	s0- 40/205/	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 100.19 100.8 0.61 Mdc100Bdf

Black, carbonaceous mudstone typical of area; finely bedded with calcite-rich beds. Wispy pyrite and micro-fold infills.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
100.19	100.80	0.61	20BI2Loc	bleached chill margins

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
100.19		ct		-1	75	113	-99	ct- 75/113/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%:	ASP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
99.67	101.04	1.37	M982544	0.003	FA_AAS	0.3	0.0039	0.0057	0.0001	2.5	4.32	0.50	1	0	-1	-1	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 100.8 101.04 0.24 Mdk100Por

Dark grey with light-grey to buff chill margins. Same as upper mafic, porphyritic dyke. Intruded by mm-scale quartz and quartz-carbonate stringers.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
100.80	101.04	0.24		"little to no alteration, intruded by calcite stringers"

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 101.04 104.67 3.63 Ovb50Bdf And50Shr

Marble

Cm-scale beds of alternating marble (as above) and andesitic volcanics. Contacts between lithologies are sharp and sub-parallel TCA. Upper and lower contacts of entire package are sharp and coincident with internal contacts.

Marble units are as described above with layers of chlorite alteration and anchorite flooding.

Andesitic volcanics are very fine grained, green, chlorite altered with abundant calcite (4/5 reaction to 5-6% calcite), and weakly sheared, with calcite stringers at various angles TCA. Andesite is bleached towards the basal contact.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
101.04	103.48	2.44	65Ca5Per 30Cl3Per 5Ak3Per	beds of marble or metamorphosed calcite-flooded zones with thin beds of chlorite-altered units and anchorite-flooded units. Calcite-flooding / marble appears latest stage alteration.
103.48	104.67	1.19	90Cl2Per 10BI3Loc 2Sr1Frc	bleached near the basal contact; sericite(?) alteration in stringers and fractures above and within bleached zone

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%:	ASP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
101.04	102.19	1.15	M982546	0.003	FA_AAS	0.3	0.0031	0.0017	0.0002	2.5	1.64	0.59	1	0	-1	-1	TR12182313	
102.19	104.67	2.48	M982547	0.003	FA_AAS	0.3	0.0083	0.0061	0.0001	2.5	4.64	0.84	2	0	-1	-1	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 104.67 105.68 1.01 Fdk100Por

Light grey, silicified, porphyritic felsic dyke with 30% plagioclase(?) phenocrysts up to 4mm in a fine-grained, silicified matrix. Contacts with country rock are sharp and coincident with country-rock bedding (S0). Increased sulphide content relative to country rock with pyrite > galena ~ = sphalerite.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:														
104.67	105.68	1.01	80Si4Per															
DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:									
104.67		ct		-1	78	130		-99 ct- 78/130/										
FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
104.67	105.68	1.01	M982548	0.029	FA_AAS	1.6	0.0022	0.0267	0.0001	5.0	1.60	0.52	3	0	-1	0.01	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 105.68 114.07 8.39 Slt60Shr Ovb20Msv And20Bdf

OVB = Quartz Vein

Interbedded brown, biotite-altered siltstone and green, weakly chlorite altered, finer grained andesitic volcanics (?may be chlorite altered mudstone), intruded by several quartz veins (up to 32cm wide) and calcite-flooded zones. Except for quartz-veins, entire unit contains calcite (3/5 to 4/5 reaction to 5-6% HCL). All quartz veins run parallel to bedding (S0), and calcite-flooded zones appear to be controlled by S0. Entire package is also intruded by a number of calcite-ankerite stringers and chlorite-calcite stringers that x-cut all structures and run sub-parallel TCA or approx. 45 degrees TCA. Pyrite is concentrated in at and the contacts of quartz veins and within the late stage calcite / chlorite-calcite stringers.

-Siltstone is typical of the hole, sheared and biotite altered.

-Andesitic beds are typical of the hole, very fine grained (tuffisitic) and weakly chlorite altered.

-Quartz-veins (?or potentially silicified felsic dykes) contain fine to medium grained disseminated pyrite. See alteration log for quartz vein depths.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
105.68	106.50	0.82	100Bt3Int	
106.50	106.66	0.16	95Qz5Per 10Bt3Int	biotite alteration occurs in remnant fragments of siltstone
106.66	106.93	0.27	85Ca5Per 10Ks5Per 10Cl2Per	Calcite flooding after k-spar alteration (looks like calcite fragmented previously k-spar altered rock).
106.93	108.05	1.12	20Ca5Loc 20Ca3Sto 30Bt2Int 5Cl2Loc 2S	"interbedded beds of calcite-flooding, bioite-altered siltstone and calcite-stockwork/partial flooding in sandstone. Chlorite and sericite alteration associated with calcite-flooding beds."
108.05	108.27	0.22	90Ca5Per 10Ks5Per 10Cl2Per	Same as above described zone with calcite-flooding after K-spar
108.27	108.54	0.27	50Qz4Pat 50Bt2Pat 50Bl1Pat	biotite altered and bleached where there is no quartz flooding
108.54	108.85	0.31	100Qz5Per 10Cl3Pat	Quartz-vein or quartz-flooded unit with small clots of chlorite alteration
108.85	109.10	0.25	100Bt3Int	
109.10	109.31	0.21	100Qz5Per 5Cl2Pat	Quartz vein or quartz-flooded zone
109.31	110.00	0.69	75Bt3Int 15Qz5Pat 10Cl3Pat 3Sr2Pat	unit with quartz-flooded zones and patches of chlorite+EPITDOTE alteration
110.00	110.63	0.63	100Bt2Int 5Bl2Per	
110.63	111.00	0.37	10Cl1Frc 10Bl1Frc	more andesitic looking bed with very weak chlorite alteration and weak bleaching around late stage calcitic stringers
111.00	111.45	0.45	100Bt3Int 5Bl3Loc	bleached zone near basal contact
111.45	111.65	0.20	100Qz5Per 3Cl3Pat	"quartz-vein or quartz flooded matrix; patchy epidote alteration at bottom of unit (patchy, 3/5, 5%)"
111.65	112.08	0.43	100Bt3Int	
112.08	112.29	0.21	100Qz5Per 1Cl3Pat	
112.29	113.75	1.46	100Bt3Int	
113.75	114.07	0.32	100Cl1Per	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
105.68		ct		-1	51	225	-99	ct- 51/225/	
105.80		qv		-1	40	220	-99	qv- 40/220/	0.3cm
108.54		ct		-1	55	-99	-99	ct- 55//	
108.69		qv		-1	50	-99	-99	qv- 50//	0.1cm
109.23		qv		-1	85	-99	-99	qv- 85//	21.5cm
112.09		qv		-1	27	205	-99	qv- 27/205/	19.7cm

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
105.68	107.11	1.43	M982549	0.009	FA_AAS	1.2	0.0061	0.0119	0.0006	5.0	5.16	0.85	1	0	-1	-1	TR12182313	
107.11	108.54	1.43	M982550	0.003	FA_AAS	0.9	0.0060	0.0076	0.0003	2.5	3.74	1.07	2	0	-1	-1	TR12182313	
108.54	110.00	1.46	M982552	0.007	FA_AAS	1.3	0.0056	0.0061	0.0004	2.5	3.91	0.87	5	0	-1	-1	TR12182313	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
110.00	111.93	1.93	M982553	0.003	FA_AAS	0.9	0.0072	0.0084	0.0006	2.5	7.75	0.76	4	0	-1	-1	TR12182313	
111.93	112.93	1.00	M982554	0.003	FA_AAS	0.7	0.0051	0.0092	0.0010	2.5	6.40	0.73	3	0	-1	-1	TR12182313	
112.93	114.48	1.55	M982555	0.003	FA_AAS	0.3	0.0044	0.0109	0.0004	2.5	7.02	0.48	1	0	-1	-1	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 114.07 117.28 3.21 Mdc70Bdf Sst30Shr

Interbedded carbonaceous, black mudstone and biotite altered sandstone (?grey wacke); beds up to 1m. Internal contacts between the two lithologies are very sharp but very irregular and subject to the same deformation of the mudstone (e.g. contact is micro-folded). Upper contact is sharp and marked by a 6cm marble / carbonate-flooded zone, basal contact is sharp; both contacts are coincident with un-deformed bedding and S1 fabric.

Sandstone units are strongly altered (biotite + clay) and sheared, and may be an felsic to intermediate dyke - degree of alteration makes identification of protolith difficult. Units do contain abundant angular plag.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
114.07	114.48	0.41	100Bt2Int	clay alteration
114.48	115.35	0.87	1Sr1Frc	little to no alteration
115.35	116.53	1.18	20Bt3Pat 5Sr2Frc	clay alteration
116.53	117.07	0.54	1Sr1Frc	little to no alteration
117.07	117.20	0.13	20Bt3Pat 5Sr2Frc	clay alteration
117.20	117.28	0.08	1Sr1Frc	little to no alteration

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
114.48	117.28	2.80	M982556	0.003	FA_AAS	0.3	0.0061	0.0091	0.0001	8.0	4.89	0.77	3	0	-1	-1	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 117.28 117.68 0.4 Ovb100Bdf

Marble

Typical marble / carbonate-flooded unit observed in hole with beds of chlorite altered material and thinner beds of weakly biotite-altered material. Bedding is coincident with contacts (sharp upper and lower).

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
117.28	117.65	0.37	90Ca5Per 5Cl4Per 5Bt3Loc	marble or calcite-flooded and metamorphosed unit with thin beds of chlorite alteration and biotite alteration

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
117.49		s0		-1	60	170	-99	s0- 60/170/	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 117.68 118.48 0.8 And100Bdf

Green, very fine grained, magnetic (due to presence of very finely disseminated magnetite), andesitic volcanic with strong chlorite alteration and beds (up to 10cm) of strong chlorite + epidote alteration; and pyrite-rich beds towards the basal contact. Andesitic unit is finely bedded to bedded, with So coincident with contacts and surrounding sedimentary units (beds dipping 130 degrees relative to oriented core, or SE).

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
117.65	118.48	0.83	85Cl3Per	"EPIDOTE alteration, 4/5, patchy, 10%"

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
117.28	118.48	1.20	M982557	0.011	FA_AAS	0.3	0.0074	0.0060	0.0001	2.5	5.80	0.38	1	0	-1	-1	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 118.48 120.3 1.82 Ovb100Bdf

Marble

Marble or metamorphosed calcite-flooded zone, typical of the hole. Beds of biotite-alteration carry higher pyrite content than in other marble-units. Biotite altered beds > chlorite altered beds, Sharp upper and lower contacts, upper is sub-perpendicular TCA and lower is steeper and coincident with internal bedding (130 degrees TCA, dipping to the SE).

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
118.48	120.30	1.82	95Ca5Per 5Bt3Per	marble or metamorphosed calcite-flooded zone

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
118.48	120.30	1.82	M982558	0.482	FA_AAS	0.5	0.0024	0.0028	0.0001	2.5	1.52	0.61	1	0	-1	-1	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 120.3 121.73 1.43 And100Bdf

Typical andesitic volcanic, same as above with patches of epidote alteration, pervasive chlorite alteration, magnetite-bearing. Unit is x-cut by a calcite+oxidized healed fault running sub-parallel TCA (core is not orientated, no measurement). Basal weakly rose quartz + calcite + chlorite vein, 5cm wide near contact.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
120.30	120.64	0.34	100Cl3Per	"EPIDOTE alteration, patchy, 4/5, 5%"
120.64	121.90	1.26	98Ca5Per 2Cl4Loc	patchy epidote alteration

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
120.30	121.91	1.61	M982559	0.059	FA_AAS	0.3	0.0141	0.0099	0.0001	2.5	6.04	0.78	1	0	-1	-1	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 121.73 121.97 0.24 Ovb100Bdf

Marble

Typical marble or metamorphosed calcite-flooded zone, with thin chlorite +/- epidote altered beds. Sharp contacts.

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
121.91		ct		-1	55	-99	-99	ct- 55//	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 121.97 127.55 5.58 And100Bdf

Typical andesitic volcanic, same as above described units: dark grey-green, fine grained, moderately chlorite altered, magnetic (due to fine grained disseminated magnetite), with finely disseminated pyrite throughout and intruded by several fine calcite stringers at various angles TCA that x-cut bedding. Calcite-stringers at 145 degrees TCA are pyrite bearing. Upper contact is sharp and lower contact is gradational, showing a gradual increase in biotite over chlorite alteration.

126.48m: 7cm weakly brecciated zone healed by calcite + ankerite. Surrounding andesite is bleached.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
121.90	126.10	4.20	75Cl2Per 5Ca3Loc	"EPIDOTE alteration, patchy, 3/5, 2%"
126.10	127.00	0.90	100Bl3Per 100Cl1Per	
127.00	127.55	0.55	50Cl2Per 50Bt1Int	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
126.73		pv		-1	39	29	-99	pv- 39/29/	

FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:
126.48	126.55	0.07	Brh		3 Brh3	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
121.91	124.00	2.09	M982561	0.003	FA_AAS	0.3	0.0092	0.0076	0.0002	2.5	4.87	0.49	2	0	-1	-1	TR12182313	
124.00	126.10	2.10	M982562	0.003	FA_AAS	0.3	0.0122	0.0152	0.0001	2.5	6.39	0.21	0.01	0	-1	-1	TR12182313	
126.10	128.23	2.13	M982563	0.133	FA_AAS	0.9	0.0132	0.0108	0.0002	2.5	6.40	1.19	1	0	-1	-1	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 127.55 128.23 0.68 Slt100Shr

Typical biotite-altered siltstone. Finely bedded and weakly sheared, no distinguishable S1 fabric. Intruded by several mm-scale calcite veins and various angles TCA (approaching stockwork at 127.55m). Gradational upper and sharp lower contact.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
127.55	128.23	0.68	100Bt3Int	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 128.23 132.06 3.83 Ovb90Bdf And5Bdf Slt5Bdf

Marble

Typical marble or metamorphosed calcite-flooded zone with preserved, irregularly shaped beds of chlorite-altered andesite and biotite-altered siltstone. Preserved beds are irregularly shape and not consistent with bedding in the surrounding country rock, and contacts with the calcite-rich beds x-cut all internal structures and buds - suggestive of calcite flooding. Upper contact is sharp, lower contact is gradational with an increase in preserved andesitic material.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
128.23	132.06	3.83	85Ca5Per 10Cl3Per 5Bt3Per	calcite-flooded zone or marble with remnant host-lithologies (biotite and chlorite altered)

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
128.23	130.15	1.92	M982564	0.076	FA_AAS	5.9	0.0042	0.0326	0.0001	2.5	1.83	0.43	0.01	0	-1	-1	TR12182313	
130.15	132.06	1.91	M982565	0.003	FA_AAS	0.3	0.0033	0.0032	0.0001	2.5	1.61	0.35	0.01	0	-1	-1	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 132.06 136.93 4.87 And80Bdf Sit20Bdf

Alternating, or interbedded, biotite altered siltstone and chlorite altered andesitic volcanics. Contacts between the beds are gradational and characterized by an increase in one type of alteration and corresponding decrease in the other type of alteration. Biotite-altered units appear more deformed than chlorite altered units. Occasional silicified trending towards chert beds occur. Unit is intruded by quartz-calcite stringers at shallow angles TCA, and calcite stringers / vein arrays at nearly 45 degrees TCA. Basal contact is gradational with a gradual increase in chert-like appearance.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
132.06	132.60	0.54	90Bt3Int 50Ca3Pat	
132.60	134.60	2.00	50Bt2Int 30Ca2Pat 5Cl2Frc 5Ak1Frc	"chlorite alteration increases downhole, biotite alteration decreases downhole"
134.60	135.60	1.00	100Cl3Per	
135.60	136.93	1.33	50Bt2Int 20Ca2Pat 10Ak2Frc	"thin, interbedded units of biotite-altered, calcite or ankerite-rich, and siliceous, increasingly chert like down-hole"

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
132.06		ct		-1	38	342	-99	ct- 38/342/	1.2cm
132.60		qv		-1	45	-99	-99	qv- 45//	
136.87		ct		-1	65	-99	-99	ct- 65//	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPYP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
132.06	134.06	2.00	M982566	0.015	FA_AAS	0.6	0.0101	0.0123	0.0001	11.0	5.78	0.54	2	0	-1	-1	TR12182313	
134.06	136.06	2.00	M982567	0.003	FA_AAS	0.3	0.0072	0.0114	0.0001	8.0	5.63	0.20	0.01	0	-1	-1	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 136.93 140.48 3.55 Cht90Bdf Mud10

Cream to light grey to pale orange-yellow finely bedded chert. Identified with more confidence than upper "dirty chert" units. Similar structural fabric to sedimentary units with very thin beds (generally coincident with S1), deformed and micro-folded in places.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
136.93	137.95	1.02	85Qz5Per	"Chert, or quartz-flooded zone"
137.95	138.35	0.40	65Bt4Pat 40Qz4Pat	Biotite altered area within chert-like unit
138.35	140.48	2.13	90Qz5Per 10Bt3Pat 5Sr2Loc	"sericite?, buff to yellow, soft thin beds towards bottom of the unit; may be clay +/- sericite (wispy texture, soft)"

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
137.14		s0		-1	21	235	-99	s0- 21/235/	0.4cm

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPYP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
136.06	138.27	2.21	M982568	0.015	FA_AAS	0.3	0.0049	0.0101	0.0001	24.0	4.11	0.55	0.01	0	-1	-1	TR12182313	
138.27	140.43	2.16	M982569	0.018	FA_AAS	0.7	0.0028	0.0064	0.0001	57.0	3.26	0.69	1	0	-1	-1	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 140.48 142.6 2.12 Mud85Bdf Cht10 Tff5Bdf

Dark grey mudstone with more chert-looking horizons (or silicified beds) and 2 cm-scale beds of very fine, buff to pale yellow ash-tuff. Contacts between bedding, internal bedding and S1 are all coincident. Mudstone contains thin (mm-scale), lighter grey calcite-rich beds. Upper and lower contacts are weakly gradational.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
140.48	141.00	0.52	10Ca5Pat	
141.00	141.29	0.29	20Ca2Pat	calcite-rich beds
141.29	141.36	0.07	100Sr1Per	tan to buff ash layer - appears sericite or clay altered
141.36	142.16	0.80	20Ca2Pat	calcite-rich beds
142.16	142.20	0.04	100Sr1Per	tan to buff ash layer - appears sericite or clay altered
142.20	142.60	0.40	20Ca2Pat	calcite-rich beds

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
140.48		ct		-1	60	270	-99	ct- 60/270/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
140.43	142.60	2.17	M982570	0.031	FA_AAS	2.2	0.0047	0.0531	0.0011	33.0	2.77	1.31	5	0	-1	-1	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 142.6 143.48 0.88 Sst100Shr

Grey to yellowish-grey, finely bedded and sheared siltstone or sandstone with weak biotite alteration. Unit is intruded by several sericite-altered stringers that run sub-parallel to bedding (S0) or sub-parallel TCA and x-cutting bedding. Basal contact is sharp.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
142.60	143.48	0.88	65Bt2Pat 5Sr2Frc	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
142.77		jn		-1	53	80	-99	jn- 53/80/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
142.60	144.32	1.72	M982571	0.003	FA_AAS	0.3	0.0082	0.0056	0.0006	18.0	4.44	1.03	3	0	-1	-1	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 143.48 144.32 0.84 Mdc100Bdf

Finely bedded, carbonaceous mudstone typical of area with fine mm-scale calcite-rich beds. Disseminated pyrite throughout (2-3%). Bedding and S1 are coincident. Upper and lower contacts are sharp, lower contact characterized by calcite-healed tension gashes running roughly parallel TCA and confined to a 2cm wide bed. Mudstone intruded by several calcite stringers at various angles TCA.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
143.48	144.35	0.87	30Ca2Pat	calcite-rich beds

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
143.48		ct		-1	49	120	-99	ct- 49/120/	
144.10		s0		-1	57	80	-99	s0- 57/80/	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 144.32 146.38 2.06 Cht95Bdf Tff5Bdf

Dirty Chert, typical of hole, interbedded with buff to yellow ash-tuff beds. Bedding is deformed at the center of the intersection and shows "s" symmetry with parasitic folding and vague S1 fabric. Lower 10cm of unit is calcite-flooded. Upper and lower contacts are sharp and parallel to un-deformed bedding.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
144.35	146.17	1.82	60Qz5Per 20Sr1Loc 20BI1Loc	Dirty chert or quartz-flooded matrix with tan to buff sericite (or clay altered) ash(?) beds
146.17	146.38	0.21	70Ca5Pat 30Bt1Pat 30BI1Per	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
144.32	146.38	2.06	M982572	0.003	FA_AAS	1.0	0.0067	0.0077	0.0006	2.5	4.00	1.22	1	0	-1	-1	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 146.38 149.85 3.47 And90Bdf And10Bdf

Chlorite altered andesitic volcanic, typical of hole, with occasional fine to medium grained beds. Fine to medium grained beds contain abundant angular plag(?) grains. Several late stage calcite stringers and mm-scale veins intrude the unit.

146.51-146.91: clay-rich, chlorite altered gouge zone.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
146.38	146.52	0.14	70CI3Per	
146.52	146.91	0.39	80CI4Per	clay-rich gouge
146.91	149.85	2.94	60CI3Pat	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
146.38		ct		-1	60	100		-99 ct- 60/100/	
148.43		ca		-1	31	300		-99 ca- 31/300/	0.2cm

FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:
146.51	146.91	0.40	Gge		4 Gge4	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
146.38	147.38	1.00	M982573	0.003	FA_AAS	0.3	0.0084	0.0106	0.0001	2.5	5.28	1.00	3	0	-1	-1	TR12182313	
147.38	149.38	2.00	M982574	0.003	FA_AAS	0.3	0.0114	0.0189	0.0001	2.5	6.12	0.35	0.01	0	0.01	-1	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 149.85 159 9.15 And50Bdf Slit50Bdf

Interbedded chlorite-altered andesitic volcanics and biotite-altered sedimentary units (dominantly siltstone). Bedding ranges from mm- to cm-scale, with primary identification based on alteration assemblage. Internal bedding within each lithology, and bedding between the units are parallel. Bedding becomes more deformed downhole with sections of micro-folding (appears to exhibit "m" symmetry however foliations are faint and difficult to identify). Units is intruded by several calcite-stringers that are subject to deformation, and by several late-stage calcite stringers that x-cut all structure and bedding. Gradational basal contact.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
149.85	150.20	0.35	100Bt2Int	
150.20	152.00	1.80	100Cl2Per 10Bl1Loc	localised bleaching around calcite-healed fault running sub-parallel TCA
152.00	159.05	7.05	50Cl2Pat 50Bt2Pat	Interbedded sediments and volcanics with patchy chlorite and biotite alteration

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
151.82		s0	-1		70	40	-99	s0- 70/40/	
155.27		cv	-1		43	120	-99	cv- 43/120/	0.2cm
156.39		cv	-1		50	260	-99	cv- 50/260/	0.2cm
158.12		s0	-1		39	285	-99	s0- 39/285/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
149.38	152.38	3.00	M982576	0.003	FA_AAS	0.3	0.0167	0.0182	0.0001	2.5	5.22	0.17	-1	0	-1	-1	TR12182313	
152.38	154.58	2.20	M982577	0.010	FA_AAS	0.3	0.0122	0.0215	0.0001	2.5	5.83	0.32	-1	0	-1	-1	TR12182313	
154.58	156.81	2.23	M982578	0.003	FA_AAS	0.3	0.0156	0.0127	0.0001	2.5	5.40	0.20	0.01	0	-1	-1	TR12182313	
156.81	159.00	2.19	M982579	0.003	FA_AAS	0.3	0.0046	0.0083	0.0001	8.0	5.44	0.38	-1	0	-1	-1	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 159 159.86 0.86 Ovb100Bdf

Beige to creamy-yellow, quartz and calcite-flooded zone, unknown protolith - may be ash tuff. Unit is finely bedded with alteration increasing down-hole. Yellowish colour either due to sericite alteration or to weak oxidization of some components (ankerite does not appear to be present). Basal contact is sharp and x-cuts bedding of underlying mudstone.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
159.05	159.45	0.40	100Bl3Per 10Ca4Pat	calcite flooding increases downhole
159.45	159.87	0.42	100Bl3Per 25Qz3Pat 50Sr2Per	"yellowish unit, difficult to determine exact alteration assemblage; sericitic looking areas may simply be weakly oxidized"

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
159.00	160.00	1.00	M982580	0.003	FA_AAS	0.3	0.0046	0.0085	0.0001	16.0	5.91	0.31	0.01	0	-1	-1	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 159.86 160.03 0.17 Mud100Bdf

Typical carbonaceous mudstone.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
159.87	160.05	0.18	100Bt3Int	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
159.86		ct	-1		70	240	-99	ct- 70/240/	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-25 160.03 160.48 0.45 Sst100Shr

Medium brown, biotite altered, fine to medium grained unit. Lower contact with underlying mudstone is very irregular, suggesting deposition over soft-sediment (?). Unit is finely bedded, sheared, weakly bleached and intruded by late-stage calcite veins.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
160.05	160.47	0.42	100Bl2Per 100Bt2Int	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-25 160.48 162.93 2.45 Slt90Bdf Mdc10Bdf

Predominantly biotite-altered siltstone with beds of mudstone. Typical sedimentary package with early calcite veins subject to deformation and late stage calcite stringers x-cutting all bedding and structure. Bedding is deformed.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
160.47	162.93	2.46	100Bt2Int	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
161.61		qv		-1	65	35	-99	qv- 65/35/	0.4cm

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
160.00	162.00	2.00	M982581	0.003	FA_AAS	0.3	0.0055	0.0078	0.0005	2.5	5.26	0.40	-1	0	-1	-1	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-25 162.93 169.53 6.6 And85Bdf And15Bdf

Interbedded andesitic volcanics with very fine ashy-beds and coarser-grained beds. Typical finely bedded andesitic material with weak to moderate chlorite alteration. Sharp upper and lower contacts, contacts are parallel with bedding. Occasional calcite-healed joints and open joint surfaces are weakly oxidized. Late stage calcite-stringers that x-cut bedding tend to be pyrite or pyrrhotite bearing.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
162.93	169.53	6.60	100Cl3Per	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
165.27		s1		-1	45	195	-99	s1- 45/195/	parallel to bedding
166.97		ct		-1	40	180	-99	ct- 40/180/	
169.00		ct		-1	30	170	-99	ct- 30/170/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
162.00	165.00	3.00	M982582	0.003	FA_AAS	0.3	0.0122	0.0119	0.0001	2.5	6.25	0.34	-1	0	-1	-1	TR12182313	
165.00	168.00	3.00	M982583	0.003	FA_AAS	0.3	0.0121	0.0094	0.0001	2.5	5.66	0.15	0.01	0	-1	-1	TR12182313	
168.00	171.00	3.00	M982584	0.003	FA_AAS	0.3	0.0076	0.0096	0.0001	2.5	5.51	0.41	1	0	-1	-1	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 169.53 171.18 1.65 Slt75Bdf Mdc25Bdf

Interbedded, cm- to m-scale, biotite-altered siltstone and carbonaceous mudstone.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
169.53	169.68	0.15	100Bt2Int	
169.68	170.05	0.37	10Ca2Pat	calcite-rich beds
170.05	171.18	1.13	100Bt2Int	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
170.54		s0		-1	33	165	-99	s0- 33/165/	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 171.18 190.7 19.52 Mdc100Bdf

Black, pyrite +/- pyrrhotite-rich mudstone typical of Burnie area. Characterized by fine bedding and S1 fabric predominantly coincident with S0 fabric, differentially deformed with some areas with parasitic or micro-folding and bulls-eye fold closures. Very fine, round, crystalline white speckles are present, concentrations vary from trace to 5% within certain beds and locally (as observed in SG12-22). Pyrite and pyrrhotite are disseminated throughout, with some "wispy" grains and some elongated grains that either parallel bedding or appear to infill calcite-rich microfolds. Very fine, muddy brown mineral within calcite-rich beds is likely biotite alteration (as observed in SG12-22). Late-stage calcite stringers to mm-scale veins x-cut all bedding and structure, dominantly barren.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
171.18	190.70	19.52	10Ca2Pat 5Bt1Pat	calcite-rich beds

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
171.33		rv		-1	35	145	-99	rv- 35/145/	
173.47		s0		-1	45	160	-99	s0- 45/160/	
174.97		s1		-1	55	40	-99	s1- 55/40/	
175.79		qv		-1	57	330	-99	qv- 57/330/	
177.76		s0		-1	50	355	-99	s0- 50/355/	
179.72		cv		-1	44	280	-99	cv- 44/280/	0.1cm
182.03		cv		-1	36	195	-99	cv- 36/195/	0.2cm
183.45		qv		-1	58	190	-99	qv- 58/190/	0.3cm with Py
185.25		qa		-1	40	280	-99	qa- 40/280/	0.1cm with Py
187.20		jn		-1	54	230	-99	jn- 54/230/	0.1cm with Py
187.79		ca		-1	40	185	-99	ca- 40/185/	

FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:
173.14	173.15	0.01	Fto		1 Fto1	
182.66	182.67	0.01	Fth		1 Fth1	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
171.00	174.00	3.00	M982585	0.003	FA_AAS	0.3	0.0039	0.0133	0.0001	14.0	5.25	1.01	2	0	-1	-1	TR12188084	
174.00	177.00	3.00	M982586	0.008	FA_AAS	0.3	0.0045	0.0123	0.0001	14.0	5.62	1.14	0.01	0	-1	-1	TR12188084	
177.00	180.00	3.00	M982587	0.019	FA_AAS	0.3	0.0046	0.0098	0.0001	11.0	5.24	1.34	-1	0	-1	-1	TR12188084	
180.00	183.00	3.00	M982588	0.009	FA_AAS	0.3	0.0042	0.0126	0.0001	12.0	5.10	1.06	-1	0	-1	-1	TR12188084	
183.00	186.00	3.00	M982589	0.006	FA_AAS	0.3	0.0042	0.0116	0.0001	11.0	5.22	1.10	-1	0	-1	-1	TR12188084	
186.00	189.00	3.00	M982591	0.044	FA_AAS	0.3	0.0048	0.0125	0.0001	11.0	5.53	1.23	-1	0	-1	-1	TR12188084	
189.00	192.00	3.00	M982592	0.006	FA_AAS	0.3	0.0042	0.0102	0.0001	30.0	5.88	0.69	-1	0	-1	-1	TR12188084	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 190.7 193.3 2.6 And100Bdf

Difficult protolith to identify - very fine grained with fine white mineral (likely plag), weak chlorite alteration indicative of andesitic tuff. May also be a fine-grained sandstone or greywacke. Sharp upper and lower contacts parallel to bedding.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:														
190.70	193.30	2.60	50Cl1Per															
DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:									
191.37		s0		-1	46	160		-99 s0- 46/160/										
FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%:	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
192.00	195.00	3.00	M982593	0.003	FA_AAS	0.3	0.0041	0.0093	0.0001	23.0	6.05	0.37	-1	0	-1	-1	TR12188084	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 193.3 194.13 0.83 Mdc100Bdf

Same as above described carbonaceous mudstone.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:					
193.30	194.13	0.83	10Ca2Pat 5Bt1Pat	calcite-rich beds					
DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
193.47		ca		-1	70	105		-99 ca- 70/105/	
193.57		qv		-1	24	270		-99 qv- 24/270/	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 194.13 194.86 0.73 And75Bdf Tfi25Bdf

Difficult protolith to identify - very fine grained with fine white mineral (likely plag), weak chlorite alteration indicative of andesitic tuff, interbedded with beige material of similar textural appearance (intermediate tuff? Original chemistry unknown). May also be a fine-grained sandstone or greywacke. Sharp upper contact and irregular lower contact with large, angular rip-up clasts of underlying mudstone.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:					
194.13	194.50	0.37	50Cl1Per						
194.50	194.86	0.36	100Sr1Per	may be oxidized					
DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
194.13		ct		-1	29	160		-99 ct- 29/160/	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 194.86 217.69 22.83 Mdc100Bdf

Same as above described carbonaceous mudstone

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
194.86	217.69	22.83	10Ca2Pat 5Bt1Pat	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
200.64	ca		-1		59	300	-99	ca- 59/300/	0.1cm
200.74	s0		-1		26	300	-99	s0- 26/300/	
216.16	s1		-1		82	18	-99	s1- 82/18/	parallel with bedding
217.59	ct		-1		75	70	-99	ct- 75/70/	

FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:
198.49	198.50	0.01	Fth		1 Fth1	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
195.00	198.00	3.00	M982594	0.010	FA_AAS	0.3	0.0039	0.0098	0.0001	18.0	4.67	0.82	2	0	-1	-1	TR12188084	
198.00	201.00	3.00	M982595	0.012	FA_AAS	0.3	0.0036	0.0120	0.0001	12.0	4.73	0.94	2	0	-1	-1	TR12188084	
201.00	204.00	3.00	M982596	0.007	FA_AAS	0.3	0.0037	0.0125	0.0001	14.0	4.68	0.87	0.01	0	-1	-1	TR12188084	
204.00	207.00	3.00	M982597	0.008	FA_AAS	0.3	0.0034	0.0117	0.0001	12.0	4.67	0.87	-1	0	-1	-1	TR12188084	
207.00	210.00	3.00	M982598	0.010	FA_AAS	0.3	0.0045	0.0138	0.0001	11.0	5.23	1.02	-1	0	-1	-1	TR12188084	
210.00	213.00	3.00	M982599	0.007	FA_AAS	0.3	0.0044	0.0126	0.0001	7.0	5.43	1.21	-1	0	-1	-1	TR12188084	
213.00	215.50	2.50	M982601	0.008	FA_AAS	0.3	0.0066	0.0115	0.0001	2.5	5.32	1.36	-1	0	-1	-1	TR12188084	
215.50	217.50	2.00	M982602	0.008	FA_AAS	0.3	0.0041	0.0126	0.0002	8.0	5.19	1.05	-1	0	-1	-1	TR12188084	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 217.69 217.84 0.15 Tfi100Bdf

Beige to yellow very fine grained unit with fine grained, angular white mineral, likely plagioclase. Original protolith difficult to determine because of degree of alteration - either a tuff or a strongly altered fine grained sandstone/greywacke. Bleached and sericite altered with patchy calcite flooding. Sharp contacts with surrounding mudstone units.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
217.69	217.84	0.15	100Sr1Per	may be oxidized

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 217.84 218.21 0.37 Mdc100Bdf

Same as above described carbonaceous mudstone.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
217.84	218.21	0.37	10Ca2Pat 0Bt1Pat	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-25 218.21 219.07 0.86 Tfi100Bdf

Beige to yellow very fine grained unit with fine grained, angular white mineral, likely plagioclase. Original protolith difficult to determine because of degree of alteration - either a tuff or a strongly altered fine grained sandstone/greywacke. Bleached and sericite altered with patchy calcite flooding. Sharp contacts with surrounding mudstone units.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
218.21	219.07	0.86	100Sr1Per	may be oxidized

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
217.50	219.50	2.00	M982603	0.003	FA_AAS	0.3	0.0040	0.0104	0.0001	6.0	5.08	0.54	2	0	-1	-1	TR12188084	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-25 219.07 220.05 0.98 Mdc100Bdf

Same as above.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
219.07	220.05	0.98	10Ca2Pat 5Bt1Pat	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-25 220.05 220.34 0.29 Ovb100Bdf

Same as above.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
220.05	220.34	0.29	100Sr1Per	may be oxidized

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-25 220.34 221 0.66 Mdc100Bdf

Same as above.

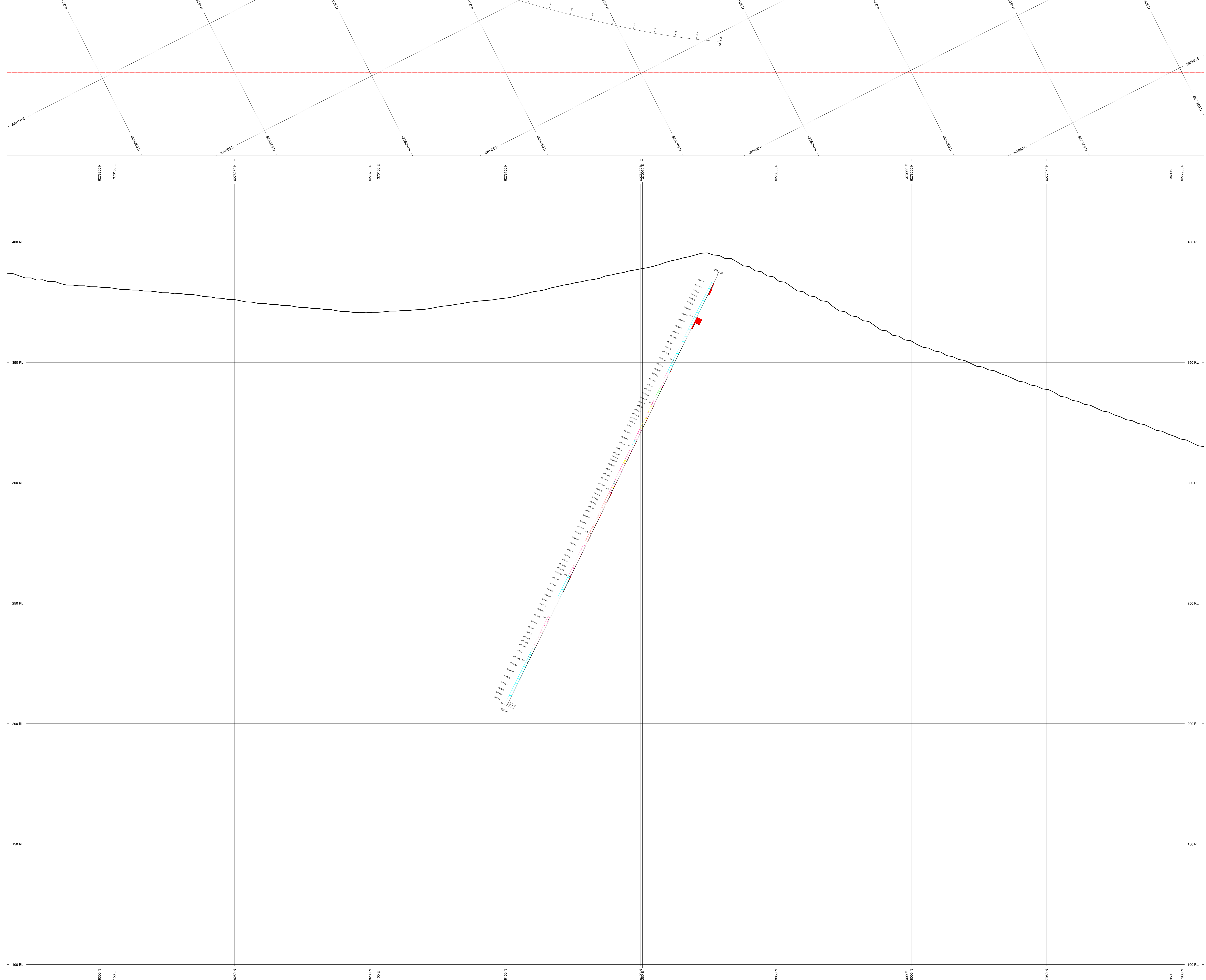
220.40-220.70m: black, clay-rich gouge with angular to sub-angular mudstone clasts.

220.70-221.0m: Several calcite-healed tension gashes (calcite array) running roughly parallel TCA.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
220.34	221.00	0.66	10Ca2Per 5Bt1Pat	

FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:
220.39	220.71	0.32	Gge		4 Gge4	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
219.50	221.58	2.08	M982604	0.003	FA_AAS	0.3	0.0042	0.0116	0.0001	7.0	5.16	0.93	2	0	-1	-1	TR12188084	



TOPOGRAPHY
 DEM

BAR GRAPH
 Au, Jsp R COL

ROCK CODES
 UNIT, COL LABEL DESCRIPTION
 LHT, CSH PVT Dst Outburst
 SH Silstone
 CSH Fels Dyst/Slt
 Msh Msh Dyst/Slt
 Chl Chl
 And And
 Msh Carbonaceous Msh
 Pyr Pyrite
 Int Intermediate Dyst/Slt

POSTED TEXT
 L TEXT ITEMS
 Sqrwd A

SECTION SPECS:
 REF. HT. E. N 37000 E 627100 N
 EXTENTS 487 m 345.7 m
 SECTION TOP, BOT 454.6 m 68.9 m
 TOLERANCE ±1 50 m

SCALE 1 - 500
 (m)
 0 4 8 12 16
 NAD83 UTM zone 18U

AZIMUTH = 207.124°
 N
 W E
 S

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 221 221.58 0.58 Tfi100Bdf

Same as above. Lower 10cm towards basal contact contains several angular mudstone rip-up clasts up to 3cm long.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
221.00	221.58	0.58	100Sr1Per	may be oxidized

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
221.00		ct		-1	65	170	-99	ct- 65/170/	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-25 221.58 225 3.42 Mdc100Bdf

Same as above described carbonaceous mudstone units with increased calcite flooding, rare ankeritic stringers. Overall increase in veining in comparison to above units, otherwise similar texture and structures.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
221.58	225.00	3.42	35Ca3Pat 5Ak1Frc	EOH

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
224.13		ca		-1	39	50	-99	ca- 39/50/	0.1cm
224.23		qv		-1	77	80	-99	qv- 77/80/	3.6cm

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
221.58	223.19	1.61	M982605	0.019	FA_AAS	0.3	0.0047	0.0098	0.0001	10.0	5.14	1.30	5	0	-1	-1	TR12188084	
223.19	225.00	1.81	M982606	0.003	FA_AAS	0.3	0.0040	0.0096	0.0001	6.0	4.82	1.31	4	0	-1	-1	TR12188084	



HOLE-ID: **SG12-26**
 UTM East: 370,047.29
 UTM North: 6,278,065.66
 Elevation: 398.00
 Length (m): 200.00
 ZONE: Burnie_North
 Collar CrossSection:

Drill Company: NoLimitDrilling
 Logged By:
 Operator:
 Purpose:
 Casing:
 Year: 2012
 Proposed HID: PB_004c

DISTANCE:	AZIMUTH:	DIP:	SURVEYTYPE:	COMMENTS:
42.00	35.40	-63.80	ReflexGyro	
87.00	39.10	-63.60	ReflexGyro	
82.00	38.90	-63.70	ReflexGyro	
77.00	38.40	-63.70	ReflexGyro	
72.00	38.10	-63.80	ReflexGyro	
67.00	37.90	-63.80	ReflexGyro	
62.00	37.60	-63.80	ReflexGyro	
57.00	37.10	-63.80	ReflexGyro	
0.00	30.00	-65.00		
47.00	35.80	-63.90	ReflexGyro	
102.00	39.90	-63.50	ReflexGyro	
37.00	35.10	-63.70	ReflexGyro	
32.00	34.90	-63.70	ReflexGyro	
27.00	34.20	-63.60	ReflexGyro	
22.00	33.30	-63.60	ReflexGyro	
17.00	33.00	-63.70	ReflexGyro	
12.00	32.70	-63.60	ReflexGyro	
7.00	32.10	-63.60	ReflexGyro	
2.00	31.80	-63.70	ReflexGyro	
52.00	36.50	-63.80	ReflexGyro	
142.00	41.30	-63.10	ReflexGyro	
192.00	43.70	-62.80	ReflexGyro	
187.00	43.70	-62.80	ReflexGyro	
182.00	43.40	-62.70	ReflexGyro	
177.00	43.30	-62.80	ReflexGyro	
172.00	43.10	-62.90	ReflexGyro	
167.00	43.10	-62.90	ReflexGyro	
162.00	42.80	-62.80	ReflexGyro	
157.00	41.90	-62.80	ReflexGyro	
92.00	39.40	-63.50	ReflexGyro	
147.00	41.40	-63.00	ReflexGyro	
97.00	39.70	-63.60	ReflexGyro	
137.00	41.20	-63.20	ReflexGyro	
132.00	41.10	-63.30	ReflexGyro	
127.00	40.90	-63.30	ReflexGyro	

DISTANCE:	AZIMUTH:	DIP:	SURVEYTYPE:	COMMENTS:
122.00	40.80	-63.30	ReflexGyro	
117.00	40.70	-63.40	ReflexGyro	
112.00	40.40	-63.40	ReflexGyro	
107.00	40.20	-63.50	ReflexGyro	
197.00	44.00	-62.80	ReflexGyro	
152.00	41.50	-62.80	ReflexGyro	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-26 0 3.9 3.9 Ovb100

Broken mudstone

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-26 3.9 8.57 4.67 Mdc100Bdf

Black, carbonaceous mudstone typical of area. Finely bedded with calcite-rich beds. Bedding is locally deformed with parasitic folding and weak development of S1 fabric. Fe-oxidization on fracture surfaces, likely caused by surface processes. Unit is intruded by late-stage calcite+quartz veins (mm-scale) that x-cut all structures. Little to no sulphides present.

5.93m: small scale faulted / brecciated zone healed by quartz and iron stained.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
3.90	8.58	4.68	5Ox4Frc	calcite-rich beds within the mudstone; Fe-oxide staining on fracture surfaces sometimes pervasive into wall rock

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
4.68		S1		-1 OC	45	330	-99 S1-	45/330/	
5.20		S0		-1 OC	50	250	-99 S0-	50/250/	
6.30		S0		-1 OC	44	235	-99 S0-	44/235/	
6.79		Ca		-1 OC	50	35	-99 Ca-	50/35/	
7.13		Qv		-1 OC	45	262	-99 Qv-	45/262/	1.1cm
7.69		Ca		-1 OC	30	90	-99 Ca-	30/90/	0.2cm
7.81		Jn		-1 OC	70	130	-99 Jn-	70/130/	

FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:
5.88	5.98	0.10	Fto		3Fto3	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
3.90	6.45	2.55	M978124	0.067	FA_AAS	0.7	0.0010	0.0068	0.0002	26.0	5.19	0.32	1	0	-1	-1	TR12194150	
6.45	9.00	2.55	M978125	0.132	FA_AAS	2.3	0.0016	0.0162	0.0002	25.0	4.88	0.43	2	0	-1	-1	TR12194150	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-26 8.57 22.04 13.47 Mdc50Bdf Cht40Bdf Mdg10Bdf

Interbedded mudstone and chert-like layers, m-scale interbedding. Contacts between the units are sharp and coincident with S0.

Mudstone is carbonaceous and typical of the area and as described above.

16.5-17.0m: Weakly graphitic mudstone. Broken and crumbly with the same internal bedding and veining as the carbonaceous mudstone.

Pale yellow to white chert-like beds are quartz-flooded and clay altered with similar internal bedding and parasitic folding to the surrounding mudstone. Likely a more clay-altered version of the "dirty chert" beds described down-hole.

11.90-12.65m: Brittle fault or brecciated zone healed by quartz, quartz flooding (or healing within the fault zone) x-cuts bedding. Internal structures suggested surrounding chert-like zone was brecciated and healed by a dark grey quartz. Increased pyrite content. Strong oxidization along fracture surfaces and pervasive.

Entire sequence is broken with abundant fault zones. Upper fault zones are oxidized, and oxidization decreases down-hole; with preferential oxidization in the chert-like zone and within quartz-healed fault/brecciated zone.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
8.58	8.91	0.33	100Bl1Per 15Ox2Frc	
8.91	9.00	0.09	1Ox1Frc	calcite-rich beds
9.00	9.81	0.81	100Qz5Per 15Ox5Frc	
9.81	10.94	1.13	5Ox1Frc	calcite-rich beds
10.94	12.91	1.97	95Qz5Per 10Ox5Frc	
12.91	14.50	1.59	1Ox5Frc	calcite-rich beds
14.50	16.50	2.00	100Qz5Per 5Ox1Frc	clay alteration
16.50	17.85	1.35	5Ox1Frc	calcite-rich beds; graphitic
17.85	21.25	3.40	100Qz5Per 5Ox1Frc	
21.25	21.91	0.66	100Qz5Per 10Ox1Frc	
21.91	22.03	0.12	100Ca5Per 5Ox1Frc	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
13.57		Jn		-1 OC	55	120	-99 Jn-	55/120/	
13.71		Qa		-1 OC	55	110	-99 Qa-	55/110/	0.3cm

FROM:	TO:	INTERVAL:	SAMPLNUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
9.00	10.94	1.94	M978126	0.015	FA_AAS	1.2	0.0038	0.0075	0.0002	14.0	3.37	0.32	2	0	-1	-1	TR12194150	
10.94	12.70	1.76	M978127	0.008	FA_AAS	0.6	0.0008	0.0015	0.0002	9.0	1.33	0.33	2	0	-1	-1	TR12194150	
12.70	14.50	1.80	M978128	0.006	FA_AAS	0.5	0.0032	0.0058	0.0002	11.0	3.73	0.46	2	0	-1	-1	TR12194150	
14.50	16.50	2.00	M978129	0.003	FA_AAS	0.3	0.0020	0.0027	0.0004	9.0	1.60	0.11	0.01	0	-1	-1	TR12194150	
16.50	19.50	3.00	M978131	0.010	FA_AAS	0.7	0.0062	0.0056	0.0002	9.0	3.04	0.28	0.01	0	-1	-1	TR12194150	
19.50	22.04	2.54	M978132	0.480	FA_AAS	16.0	0.0075	0.0332	0.0003	44.0	3.88	1.39	4	0	-1	-1	TR12194150	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-26 22.04 45.29 23.25 Mdc60Bdf And25Bdf Cht15Bdf

Interbedded carbonaceous mudstone, fine-grained, green, chlorite altered units identified as andesitic volcanics with low confidence, and "dirty chert". Beds are cm- to m-scale; and internal bedding within each of the units is mm-scale and fairly consistent between units. Contacts between the units are usually sharp, and less often gradational. Entire unit is variably broken, with long fault zones, sometimes oxidized. Late stage veining includes thin mm-scale quartz-calcite, quartz-ankerite (or oxidized) veins and rare cm-scale quartz veins.

Mudstone is typical of the area and of the hole, with calcite-rich beds, localized deformation of the bedding and occasional parasitic folding, and intruded by late-stage calcite and/or calcite + quartz veins and vein arrays (mm-scale) that x-cut bedding. Trace to 1% pyrite.

"Andesitic volcanics" are pale grey-green due to pervasive chlorite alteration. Some of the units are texturally more "dirty chert" like with interbedded (mm-scale) silicified + clay altered beds and more chlorite altered typically volcanic looking beds. Internal bedding in consistent with and parallel to bedding within the mudstone, although less subject to deformation.

"Dirty chert" is yellow or yellow-green or orange (due to oxidization) and may be quartz-flooded zones. Similar to above described dirty-chert, but with an increased abundance mm-scale chlorite-altered beds. Interbedded chert and andesitic? Or preferentially quartz-flooded protolithic interbedded with andesitic volcanics?

32.46-35.46m: broken, faulted zone with strong oxidization

36.52-45.29m: broken, faulted zone with some sandy zones; no oxidization; increased pyrite content

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
22.03	23.52	1.49	5Qz3Pat 5Cl1Loc	
23.52	26.00	2.48	60Cl2Loc 10Bl2Loc 10Ox1Frc	
26.00	26.18	0.18	100Cl3Per	
26.18	27.05	0.87	50Cl2Loc 5Ox1Frc	
27.05	30.00	2.95	50Cl3Per 30Qz2Per 5Ox1Frc	"interbedded units of relatively fresh mudstone, and units of finely bedded chlorite altered and quartz-flooded"
30.00	30.20	0.20	100Bl3Per 100Cl1Per 5Ox1Frc	
30.20	32.30	2.10	50Cl2Loc 3Cl1Frc	broken zone with chlorite-altered layers and weak oxidization on fracture surfaces
32.30	35.46	3.16	10Ox4Frc 5Ak3Pat	broken zone with strong oxidization on fracture surfaces; ankerite flooding may be calcite
35.46	35.75	0.29	90Qz5Per 1Ox1Frc	true quartz flooding
35.75	36.20	0.45	50Bt2Loc 50Qz4Loc 1Ox1Frc	
36.20	45.29	9.09	70Cl3Loc 60Bl2Loc 5Ox1Frc	"beds of bleached, chlorite+clay altered material and beds of relatively unaltered mudstone (oxidized fractures and fracture fills)"

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
22.73		Ca		-1 OC	33	295	-99 Ca-	33/295/	0.1cm

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
22.04	25.04	3.00	M978133	0.099	FA_AAS	3.2	0.0039	0.0057	0.0002	20.0	3.75	0.60	2	0	-1	-1	TR12194150	
25.04	28.04	3.00	M978134	0.003	FA_AAS	0.6	0.0043	0.0083	0.0002	13.0	4.07	0.37	2	0	-1	-1	TR12194150	
28.04	30.15	2.11	M978135	0.003	FA_AAS	0.8	0.0091	0.0093	0.0005	22.0	4.61	0.58	1	0	-1	-1	TR12194150	
30.15	32.46	2.31	M978136	0.003	FA_AAS	1.2	0.0108	0.0098	0.0002	16.0	4.40	0.86	1	0	-1	-1	TR12194150	
32.46	35.46	3.00	M978137	0.006	FA_AAS	1.1	0.0068	0.0089	0.0002	16.0	4.92	0.70	0.01	0	-1	-1	TR12194150	
35.46	37.00	1.54	M978138	0.007	FA_AAS	1.2	0.0072	0.0134	0.0006	21.0	3.51	0.92	3	0	-1	-1	TR12194150	
37.00	40.00	3.00	M978139	0.016	FA_AAS	2.2	0.0072	0.0099	0.0004	28.0	4.73	1.04	3	0	-1	-1	TR12194150	
40.00	43.00	3.00	M978140	0.011	FA_AAS	1.4	0.0046	0.0079	0.0002	25.0	4.64	1.06	1	0	-1	-1	TR12194150	
43.00	45.25	2.25	M978141	0.033	FA_AAS	2.6	0.0059	0.0137	0.0002	41.0	3.58	1.47	2	0	-1	-1	TR12194150	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-26 45.29 52.7 7.41 And85Shr Ovb10 Mdc5

OVB = Limestone

Interbedded andesitic volcanics (more typical of the area, fine grained to ashy, pervasive chlorite alteration, weakly finely bedded), limestone and carbonaceous mudstone. Unit is similar to the above with cm- to m-scale interbedding, contacts between units are generally sharp and parallel to internal bedding. Notable decrease in faulting and broken zones as well as in the abundance of late stage calcite-stringers (trace). Rare biotite-altered beds up to 5cm, may be thin siltstone horizons.

Andesitic units are calcite-bearing (weak calcite flooding? 3/5 reaction to 5-6% HCL) and soft with well-developed S1 fabric that is generally parallel or sub-parallel to S0.

Limestone, or metamorphosed calcite-zones, are white to light grey, calcite rich (5/5 reaction to 5-6% HCL), with mm-scale beds of chlorite altered material.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
45.29	45.77	0.48	95Cl4Per	
45.77	46.00	0.23	90Ca5Per 10Cl4Per	marble or metamorphosed calcite-flooded zone
46.00	46.40	0.40	100Cl4Per	
46.40	48.60	2.20	55Ca2Loc 55Cl3Loc 5Bt3Pat	interbedded calcite-altered and chlorite-altered units
48.60	48.80	0.20		little to no alteration
48.80	49.30	0.50	95Ca5Per 5Cl3Per	marble or calcite-flooded
49.30	52.70	3.40	55Ca2Loc 45Cl2Loc	interbedded calcite-altered and chlorite-altered units

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
46.76		S0		-1 OC	60	210	-99 S0-	60/210/	parallel to S1
46.86		S1		-1 OC	60	210	-99 S1-	60/210/	
47.00		Qv		-1 OC	60	330	-99 Qv-	60/330/	0.3cm
52.45		S1		-1 OC	80	150	-99 S1-	80/150/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
45.25	47.50	2.25	M978142	0.003	FA_AAS	0.9	0.0068	0.0166	0.0001	137.0	5.12	0.56	0.01	0	-1	-1	TR12194150	
47.50	49.70	2.20	M978143	0.009	FA_AAS	5.5	0.0064	0.0086	0.0001	91.0	4.85	0.53	1	0	-1	-1	TR12194150	
49.70	52.70	3.00	M978144	0.011	FA_AAS	1.7	0.0081	0.0109	0.0001	19.0	5.47	1.03	0.01	0	-1	-1	TR12199609	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-26 52.7 56.74 4.04 Slt60Shr Mud20Bdf And20Shr

Interbedded brown siltstone, green andesitic volcanics (or chlorite altered siltstone), and dark grey to black mudstone. Cm to m-scale beds. Entire unite is intruded by trace calcite stringers that x-cut structure and rare Qcc veins that host pyrite (1-2cm), sub-perpendicular TCA. Upper contact is gradational, lower contact is sharp.

Siltstone is brown, biotite altered and heavily sheared with well developed S1 fabric. Andesitic beds have a similar textural appearance with heavy shearing and well developed S1 - lithological break is based on the dominance of chlorite alteration (andesitic) as opposed to biotite alteration (siltstone). Mudstone is weakly carbonaceous, bedded (mm-scale) with small beds of carbonate-rich material; mudstone is deformed.

55.74-55.93m: Gouge zone, fault filled with clay and sand to pebble-sized fragments of surrounding country rock.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
52.70	53.37	0.67	100Bt3Int	
53.37	54.09	0.72	100Cl2Int 100Bt1Int	
54.09	55.74	1.65	100Bt2Int 10Cl1Pat	clay alteration increases towards fault/gouge
55.74	55.93	0.19	100Cl1Int	clay fault gouge
55.93	56.74	0.81	10Cl2Pat	overall chlorite alteration decreases away from fault/gouge

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
52.68		Ca		-1 OC	80	280	-99 Ca-	80/280/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
52.70	54.50	1.80	M978101	0.003	FA_AAS	0.5	0.0069	0.0074	0.0001	23.0	5.23	0.10	-1	0	-1	-1	TR12182313	
54.50	56.75	2.25	M978102	0.003	FA_AAS	0.3	0.0075	0.0071	0.0001	7.0	5.17	0.49	1	0	-1	-1	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-26 56.74 58.66 1.92 Ovb80Bdf And20Shr

Marble

Interbedded marble (or calcite-flooded and metamorphosed unit) and chlorite-altered andesitic volcanics. Cm- to m-scale bedding. Grey-green andesitic unit appears to be the protolith - with fragmented remnants occurring at the contacts with the marble. Upper and lower contacts of unit are sharp.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
56.74	57.54	0.80	95Ca5Per 5Cl3Per	quartz-flooded and metamorphosed to marble-like unit; remanant beds (mm-scale) of chlorite-altered protolith
57.54	58.04	0.50	75Cl3Per 20Ca5Per	"interbedded chlorite-altered (andesite) and marble-like quartz-flooded beds weak patchy epidote alteration occurs as well; 2/5, 3%"
58.04	58.66	0.62	95Ca5Per 5Cl3Per	same as above marble-like unit

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
56.74		Ct		-1 OC	75	120	-99 Ct-	75/120/	
56.98		S0		-1 OC	65	100	-99 S0-	65/100/	
58.09		S0		-1 OC	65	50	-99 S0-	65/50/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
56.75	58.66	1.91	M978103	0.007	FA_AAS	0.3	0.0051	0.0025	0.0001	2.5	2.16	0.42	1	0	-1	-1	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-26 58.66 60.8 2.14 And100Bdf

Dark grey-green, chlorite altered andesitic volcanic with patchy calcite-quartz-flooding and less common patchy ankerite-flooding increasing down-hole. Alteration is variable and increases with increased quartz-flooding. Clots of very finely disseminated pyrite throughout.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
58.66	59.23	0.57	100Cl3Per 7Ak3Pat	
59.23	60.80	1.57	60Cl3Per 40Ca4Pat	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
58.70		Ct		-1 OC	75	115	-99	Ct- 75/115/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
58.66	60.80	2.14	M978104	0.011	FA_AAS	2.7	0.0086	0.0067	0.0001	2.5	4.96	0.89	4	0	-1	-1	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-26 60.8 63.98 3.18 Fdk100Por

Light grey to light greyish green, siliceous zone. Either an altered felsic porphyry, quartz vein or quartz flooded zone. Appears to have remnant intrusive textures.

Assuming felsic dyke: Silicified, porphyritic felsic dyke with minor calcite (2/5 reaction with 5-6% HCL). Original mineral composition difficult to determine, potential quartz eyes noted throughout. Minor chlorite alteration. Increased sulphide content with pyrite + black sphalerite (red-brown streak, sulphur smell when tested with acid) clots throughout. Weak alignment of remnant grains creates a fabric coincident with S0 in surrounding country rock. Sharp upper and lower contacts sub-perpendicular TCA.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
60.80	63.98	3.18	100Si2Per 50Cl1Pat 100Ca1Int	silicified dyke

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
60.77		Ct		-1 OC	67	90	-99	Ct- 67/90/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
60.80	62.40	1.60	M978105	0.021	FA_AAS	2.2	0.0008	0.0195	0.0001	2.5	0.98	0.28	2	0	-1	1	TR12182313	
62.40	64.04	1.64	M978106	0.009	FA_AAS	1.0	0.0015	0.0042	0.0001	2.5	0.97	0.21	1	0	-1	0.01	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-26 63.98 66.34 2.36 And100Bdf

Same as andesitic with calcite-quartz flooding above: Dark grey-green, chlorite altered andesitic volcanic with patchy quartz-flooding and less common patchy ankerite-flooding. Alteration is variable and increases with increased quartz-flooding. Patched of very finely disseminated pyrite throughout. Intruded by several late-stage quartz and calcite veins (mm-scale) at shallow angles TCA.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
63.98	66.34	2.36	50Cl3Per 20Ca4Pat 5Ak3Pat	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
63.98		Ct		-1 OC	40	160	-99	Ct- 40/160/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
64.04	66.34	2.30	M978107	0.003	FA_AAS	0.6	0.0035	0.0088	0.0001	7.0	4.42	0.30	0.01	0	-1	-1	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-26 66.34 71.4 5.06 Fdk100Por

Same as above described felsic dyke / quartz flooded zone.

Trace galena clots occur in addition to pyrite and blackish sphalerite. Sericitic stringers.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
66.34	71.40	5.06	100Si2Per 50Cl1Pat 1Sr1Frc	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
66.34		Ct		-1 CA	50	-99	-99	Ct- 50//	
69.67		Qa		-1 OC	35	80	-99	Qa- 35/80/	
70.93		Qv		-1 OC	25	80	-99	Qv- 25/80/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
66.34	68.04	1.70	M978108	0.024	FA_AAS	1.7	0.0020	0.0062	0.0001	7.0	1.55	0.53	1	0	-1	0.01	TR12182313	
68.04	69.74	1.70	M978109	0.008	FA_AAS	1.4	0.0017	0.0048	0.0001	2.5	1.06	0.52	2	0	-1	0.01	TR12182313	
69.74	71.40	1.66	M978110	0.018	FA_AAS	2.0	0.0030	0.0066	0.0001	15.0	1.92	0.83	2	0	-1	0.01	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-26 71.4 73.33 1.93 And100Bdf

Same as above described calcite-quartz-flooded andesitic volcanic unit with chlorite alteration: Dark grey-green, chlorite altered andesitic volcanic with patchy quartz-flooding (occasional rose quartz). Finely disseminated pyrite throughout.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
71.40	73.33	1.93	50Cl3Per 50Ca4Pat	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
71.40	73.76	2.36	M978111	0.006	FA_AAS	0.7	0.0057	0.0081	0.0004	5.0	3.60	0.86	1	0	-1	-1	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-26 73.33 73.76 0.43 Ovb100Bdf

Marble

Marble-like unit, as observed in SG12-25, or metamorphosed calcite-flooded zone, weakly bedded with vague beds of chlorite alteration, wispy sericite alteration, thin brownish (biotite alteration?) beds, and a central patch/irregularly shaped bed of epidote-altered material.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
73.33	73.76	0.43	90Ca5Per 10Cl2Loc 2Sr1Loc	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-26 73.76 77.05 3.29 And90Bdf Slt10Shr

Greenish, very fined grained, andesitic volcanic with one small bed (76.62-77.05m) of brownish, slightly coarser grained, biotite altered siltstone (or different alteration of the same unit). Similar to above described andesitic units but finer grained (or more strongly chlorite altered) with little to no calcite-quartz flooding. Unit is finely bedded and weakly sheared, S1 coincident with S0, bedding is deformed, and dipping roughly vertical.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
73.76	76.07	2.31	80Cl2Per 60Ca1Per 1Sr1Frc	
76.07	77.05	0.98	100Bt3Int 10Cl1Pat	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
73.76		Ct		-1 OC	45	95	-99	Ct- 45/95/	
75.81		S0		-1 OC	20	19	-99	S0- 20/19/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPYP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
73.76	76.71	2.95	M978112	0.005	FA_AAS	0.5	0.0077	0.0061	0.0001	22.0	4.72	0.98	2	0	-1	-1	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-26 77.05 79 1.95 Cht100Bdf

Light beige-cream-grey "dirty chert". May be quartz-flooded and bleached zone as structural fabric and bedding is the same as surrounding units. Similar to the "dirty chert" noted in SG12-25. Upper contact is sharp and lower contact is gradational. Yellowish beds of sericite alteration (? Unsure, looks ankeritic but does not react with HCL) occur throughout, bedding controlled. Finely disseminated pyrite throughout, up to 5% locally. Unit is intruded by several calcite +/- chlorite stringers

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
77.05	79.00	1.95	90Qz4Per 100Bl1Per	chert or quartz-flooded and bleached zone

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
77.56		Qv		-1 OC	60	260	-99	Qv- 60/260/	
78.00		Qv		-1 OC	29	325	-99	Qv- 29/325/	
78.17		S1		-1 OC	44	330	75	S1- 44/330/75	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPYP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
76.71	79.05	2.34	M978113	0.017	FA_AAS	0.8	0.0035	0.0046	0.0002	12.0	4.39	1.41	4	0	-1	-1	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-26 79 86.19 7.19 And100Bdf

Grey-green andesitic volcanic similar to previously described andesitic units: Greenish, very fined grained, andesitic volcanic fine grained (or more strongly chlorite altered) with little to no calcite-quartz flooding. Unit is finely bedded and weakly sheared, S1 coincident with S0, bedding is deformed, and dipping roughly vertical.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
79.00	86.19	7.19	100Cl2Per	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
79.48		S0		-1 OC	60	340	-99	S0- 60/340/	
80.38		S0		-1 OC	43	35	-99	S0- 43/35/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPYP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
79.05	81.55	2.50	M978114	0.003	FA_AAS	0.9	0.0133	0.0095	0.0001	13.0	6.24	1.11	3	0	-1	-1	TR12182313	
81.55	84.44	2.89	M978116	0.011	FA_AAS	0.7	0.0136	0.0125	0.0001	10.0	6.61	0.33	2	0	-1	-1	TR12182313	
84.44	86.19	1.75	M978117	0.023	FA_AAS	1.8	0.0111	0.0156	0.0001	2.5	5.57	1.27	2	0	-1	-1	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-26 86.19 87.52 1.33 Fdk100Por

Same as above described felsic porphyritic dyke. Silicified with weak chlorite alteration and sericitic stringers / fracture fills. Disseminated / clotty pyrite and blackish-sphalerite throughout. Sharp upper and lower contacts

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
86.19	87.52	1.33	100Si2Per 40Cl1Pat 3Sr2Frc	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
86.19	87.52	1.33	M978118	0.006	FA_AAS	1.1	0.0019	0.0031	0.0001	2.5	1.57	0.76	2	0	-1	0.01	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-26 87.52 96.11 8.59 And100Bdf

Similar to above described andesitic volcanic unit with moderate chlorite and zones of patchy calcite-quartz-flooding. Large clots of pyrite occur at 89.03m, otherwise light on sulphides. Magnetite present in areas (strongly magnetic). Calcite present throughout unit, ranging from patchy 4/5 to 5/5 reaction to 5-6% HCL. Patchy potassic alteration occurs towards bottom of unit. Bedding is deformed and sheared in places, S1 appears coincident with S0. Upper and lower contacts are sharp.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
87.52	93.05	5.53	70Cl3Per 30Ca4Pat	
93.05	96.11	3.06	90Cl3Per 10Ks4Pat	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
87.52		Ct		-1 OC	50	330	-99	Ct- 50/330/	
87.62		S0		-1 OC	50	290	-99	S0- 50/290/	
89.15		Qv		-1 OC	75	20	-99	Qv- 75/20/	
89.25		Ca		-1 OC	40	260	-99	Ca- 40/260/	
95.83		S0		-1 OC	75	10	-99	S0- 75/10/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
87.52	89.27	1.75	M978119	0.008	FA_AAS	1.3	0.0087	0.0120	0.0001	2.5	4.46	0.88	1	0	-1	-1	TR12182313	
89.27	91.53	2.26	M978120	0.006	FA_AAS	0.9	0.0058	0.0073	0.0001	2.5	4.33	0.64	1	0	-1	-1	TR12182313	
91.53	93.79	2.26	M978121	0.005	FA_AAS	0.3	0.0036	0.0079	0.0001	5.0	3.92	0.48	1	0	-1	-1	TR12182313	
93.79	96.05	2.26	M978122	0.005	FA_AAS	0.6	0.0159	0.0125	0.0001	2.5	7.08	0.73	1	0	-1	-1	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-26 96.11 97.09 0.98 Mdk100Por

Green, strongly altered mafic (?) dyke, or preferentially altered zone. Borderline porphyritic with medium-grained phenocrysts completely pseudomorphed to chlorite. Matrix is weakly chlorite altered with large patches of strong epidote-alteration, minor hematite is fracture controlled. Very magnetic due to finely disseminated magnetite throughout. Dyke is intruded by several mm-scale quartz-calcite veins with disseminated hematite throughout (gives appearance of rose quartz).

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
96.11	97.09	0.98	80Cl5Per	"epidote, patchy, 4/5, 15% hematite within quartz veins and fracture controlled"

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
96.11		Ct		-1 OC	75	40		-99 Ct- 75/40/	
96.44		Qv		-1 OC	40	130		-99 Qv- 40/130/	
96.54		Ca		-1 OC	40	230		-99 Ca- 40/230/	
96.73		Qa		-1 OC	65	160		-99 Qa- 65/160/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
96.05	98.05	2.00	M978123	0.019	FA_AAS	0.3	0.0071	0.0096	0.0001	5.0	7.17	0.51	1	0	-1	-1	TR12182313	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-26 97.09 98.05 0.96 And100Bdf

Same as above andesite unit.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
97.09	98.05	0.96	80Cl2Per 5Ca4Pat	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
97.09		Ct		-1 OC	60	325		-99 Ct- 60/325/	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-26 98.05 98.78 0.73 Por100Por

Darky grey, porphyritic dyke with abundant plagioclase laths and qtz-grains up to 10mm, in a dark grey, fine grained matrix. Very finely disseminated magnetite throughout (magnetic unit).

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
98.05	98.78	0.73		little to no alteration

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-26 98.78 101 2.22 And75Bdf Slit25Shr

Interbedded chlorite-altered andesitic volcanics and biotite-altered sediments. As described above.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
98.78	100.10	1.32	50Cl1Per	"patchy epidote, 3/5, 5%"
100.10	100.45	0.35	100BI2Per	"epidote, 3/5, patchy, 20"
100.45	101.00	0.55	50Bt3Int	biotite increases downhole

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
98.77		Ct		-1 CA	45	-99	-99	Ct- 45//	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
98.05	101.00	2.95	M978146	0.005	FA_AAS	0.5	0.0121	0.0147	0.0001	8.0	7.22	1.17	1	0	-1	-1	TR12199609	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-26 101 123.57 22.57 Idk85Msv And15Bdf

Very strongly altered unit, with epidote-alteration overprinting chlorite and less-common k-spar alteration. Unit appears to be dominated by a mafic-intermediate tuff (difficult to determine original composition), with andesitic beds and quartz-veining. Epidote alteration appears preferential to the intrusive dykes; therefore strong-epidote alteration considered dyke-unit where protolith could not be determined. Alteration is very strong and masks original textures, structures and composition. Unit hosts silicified zones and calcite-flooded zones (some calcite is pink). Broken zones characterized by strong hematite alteration. See alteration log for quartz-flooded zones and quartz-veins

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
101.00	101.90	0.90	50Bt3Int 10Ca4Pat	hematite at 101-101.1m
101.90	103.60	1.70	10Qz4Pat 10Cl4Int	"Epidote, 4/5, patchy, 25%; blackish chlorite"
103.60	104.00	0.40	100Si3Per 5Ks2Pat	
104.00	107.08	3.08	10Ca4Pat 5Cl4Int 3Ks1Pat	"Epidote, 3/5, patchy, 40%; Hematite, 4/5, patchy and fracture controlled, 10%"
107.08	107.50	0.42	100Si3Per	
107.50	107.78	0.28	40Cl4Int	"blackish chlorite; Epidote, 3/5, patchy, 5%"
107.78	108.04	0.26	100Qz5Per	
108.04	110.40	2.36	25Cl4Int 10Qz4Pat	"blackish chlorite; Epidote, 3/5, patchy, 20%"
110.40	110.80	0.40	100Qz5Per	
110.80	112.05	1.25	35Cl4Per	"blackish chlorite; Epidote, 3/5, patchy, 100%"
112.05	112.41	0.36	90Qz5Per 5Cl4Per	
112.41	117.80	5.39	40Cl4Int 15Qz5Pat	"green and blackish chlorite, interstitial to pervasive; Epidote, 4/5, patchy, 70% (epidote appears to overprint chlorite)"
117.80	118.35	0.55	50Cl3Int 15Ca3Pat	"blackish chlorite; Epidote, 3/5, patchy, 10%"
118.35	120.00	1.65	20Cl3Int	"green and blackish chlorite; Epidote, 4/5, patchy, 60%"
120.00	123.57	3.57	35Ca4Pat 20Cl4Int 15Ks3Pat	"blackish chlorite; Epidote, 4/5, patchy, 45%; calcite flooding increases downhole"

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
111.95		Qv	-1	CA	20	-99	-99	Qv- 20//	15cm
113.87		Qv	-1	OC	80	210	-99	Qv- 80/210/	0.4cm
115.37		Qv	-1	OC	88	210	-99	Qv- 88/210/	5.5cm
120.80		S0	-1	OC	57	250	-99	S0- 57/250/	

FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:
105.07	105.23	0.16	Fto		4 Fto4	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%:	ASP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
101.00	103.00	2.00	M978147	0.043	FA_AAS	0.3	0.0094	0.0103	0.0001	13.0	5.30	0.43	2	0	-1	-1	TR12199609	
103.00	105.00	2.00	M978148	0.018	FA_AAS	0.3	0.0043	0.0099	0.0001	2.5	3.69	0.24	1	0	-1	-1	TR12199609	
105.00	107.00	2.00	M978149	0.003	FA_AAS	0.3	0.0036	0.0083	0.0001	2.5	3.86	0.13	1	0	-1	-1	TR12199609	
107.00	109.00	2.00	M978150	0.007	FA_AAS	0.3	0.0085	0.0057	0.0001	2.5	2.83	0.06	0.01	0	-1	-1	TR12199609	
109.00	111.00	2.00	M978152	0.010	FA_AAS	0.3	0.0056	0.0076	0.0001	2.5	3.20	0.08	0.01	0	-1	-1	TR12199609	
111.00	113.00	2.00	M978153	0.027	FA_AAS	0.3	0.0042	0.0070	0.0001	2.5	3.27	0.25	2	0	-1	-1	TR12199609	
113.00	115.75	2.75	M978154	0.010	FA_AAS	0.3	0.0127	0.0113	0.0001	2.5	6.86	0.39	2	0	-1	-1	TR12199609	
115.75	118.44	2.69	M978155	0.007	FA_AAS	0.3	0.0054	0.0121	0.0001	2.5	5.51	0.23	2	0	-1	-1	TR12199609	
118.44	120.57	2.13	M978156	0.003	FA_AAS	0.3	0.0008	0.0103	0.0001	7.0	4.66	0.01	0.01	0	-1	-1	TR12199609	
120.57	123.57	3.00	M978157	0.019	FA_AAS	0.3	0.0027	0.0067	0.0001	7.0	3.54	0.16	1	0	-1	-1	TR12199609	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-26 123.57 125.59 2.02 Ovb100Bdf

*** Marble***

Marble or metamorphosed calcite-flooded zone typical of the hole and as described above. Marble is interbedded with green, chlorite altered andesitic beds (mm- to cm-scale) and is k-spar + minor epidote altered at the top of the unit.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:														
123.57	125.59	2.02	90Ca5Per 15Ks4Pat 10Cl3Pat	"limestone or caclite-flooded & metamorphosed unit with andesitic beds (chl-altered); Epidote, patchy, 3/5, 5%"														
DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:									
124.71		S0		-1 OC	70	20	-99 S0-	70/20/										
FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%:	ASP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
123.57	125.59	2.02	M978158	0.003	FA_AAS	0.3	0.0017	0.0026	0.0001	2.5	1.31	0.22	0.01	0	-1	-1	TR12199609	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-26 125.59 135.05 9.46 And85Bdf Mud15Bdf

M-scale interbedded chlorite-altered andesitic beds and medium-grey mudstone beds. Mudstone beds appear to be finely interbedded with andesite, weakly bleached, calcite-rich and weakly deformed. Internal bedding (where un-deformed) parallel to contacts between beds; S1 is not evident and is likely coincident with bedding. Upper and lower contacts are sharp and coincident with S0.

134.09-134.41m: Healed breccia zone

134.41-134.76m: broken zone

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:														
125.59	128.83	3.24	100Cl2Per															
128.83	133.09	4.26	50Cl1Pat 40Ca1Pat	"finely interbedded grey caclite-bearing and green, chlorite altered beds"														
133.09	135.05	1.96	100Ca2Per 100Cl1Per	intermediate(?) dyke														
DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:									
125.60		Ct		-1 OC	74	345	-99 Ct-	74/345/										
128.31		Qv		-1 OC	50	340	-99 Qv-	50/340/										
128.41		Cv		-1 OC	24	60	-99 Cv-	24/60/										
130.21		S0		-1 OC	45	15	-99 S0-	45/15/										
133.09		S0		-1 OC	50	45	-99 S0-	50/45/										
FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:												
134.09	134.41	0.32	Brh		5 Brh5													
FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%:	ASP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
125.59	128.59	3.00	M978159	0.008	FA_AAS	1.4	0.0131	0.0150	0.0001	5.0	6.87	0.55	2	0	-1	-1	TR12199609	
128.59	131.59	3.00	M978161	0.014	FA_AAS	0.3	0.0113	0.0121	0.0001	11.0	5.40	0.37	1	0	-1	-1	TR12199609	
131.59	133.70	2.11	M978162	0.003	FA_AAS	0.3	0.0028	0.0053	0.0001	6.0	3.78	0.60	3	0	-1	-1	TR12199609	
133.70	135.80	2.10	M978163	0.003	FA_AAS	0.3	0.0032	0.0078	0.0001	8.0	4.19	0.50	2	0	-1	-1	TR12199609	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-26 135.05 135.8 0.75 Idk100Shr

Medium grey to slightly green, intermediate dyke with calcite. Dyke is dominantly very fine to fine-grained, medium grey matrix with fine to medium grained white minerals (altered feldspar?) that are elongated with preferred orientation.

Sharp upper contact and very irregularly-shaped lower contact - may be an alteration contact vs. a lithological contact, with a sharp, jagged nature.

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
135.06		Ct		-1 OC	55	250	-99	Ct- 55/250/	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-26 135.8 139.46 3.66 And35Bdf Mud35Bdf Cht30Bdf

Finely interbedded mudstone and andesite (may be a variably altered andesitic unit) with calcite-rich beds, chlorite altered beds and medium grey beds. Unit is finely bedded and weakly deformed. Basal "dirty chert" or quartz-flooded zone is typical of the hole, with rare calcite-rich beds and thin yellow-tan beds (sericite altered?). Contacts between the mudstone/andesite and "dirty chert" are coincident with un-deformed internal bedding (S0). 3-5% pyrite disseminated throughout.

Upper contact is irregular as described above; basal contact is sharp.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
135.05	138.35	3.30	40Ca2Loc 40Cl2Loc 5Ks1Pat 5Sr2Pat	deformed interbedded material with different alteration (bedding controlled)
138.35	139.46	1.11	75Qz3Per 10Sr2Pat	dirty chert with some calcite-rich beds

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
135.80		Ct		-1 OC	45	250	-99	Ct- 45/250/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
135.80	138.00	2.20	M978164	0.005	FA_AAS	0.3	0.0033	0.0083	0.0001	18.0	3.76	0.98	3	0	-1	-1	TR12199609	
138.00	139.46	1.46	M978165	0.019	FA_AAS	0.7	0.0028	0.0045	0.0002	54.0	3.83	2.57	5	0	-1	-1	TR12199609	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-26 139.46 150 10.54 Mdc80Bdf Gms10Bdf Tfi10Msv

Carbonaceous to weakly graphitic mudstone with thin calcite-rich (lighter gray) beds. Occasional beige, very fine grained to ashy unit, potentially ash-tuff, with sharp contacts with the mudstone (some contacts are sharp, irregular and jagged). Mudstone is typical of the area, finely bedded with local parasitic and/or micro-folding and occasional "bulls eye" fold closures. S0 predominantly coincident with S1. Sharp upper and lower contacts, parallel to internal bedding. Sulphide distribution is patchy, with barren section and sections with up to 3% pyrite. Pyrite occurs as fine disseminates or elongated clots infilling micro-folds or aligned with bedding.

140.40-140.50m: Quartz flooded zone with sphalerite (5%), galena (1%) and pyrite (1%)

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
139.46	150.00	10.54	85Ca2Per	calcite-rich mudstone and ash-tuffs (?); calcite may be considered primary

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
139.46		Ct		-1 OC	79	250	-99	Ct- 79/250/	
139.93		Qv		-1 OC	65	150	-99	Qv- 65/150/	0.4cm
142.50		Pv		-1 CA	26	-99	-99	Pv- 26//	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
139.46	142.05	2.59	M978166	0.046	FA_AAS	6.8	0.0029	0.0779	0.0015	28.0	2.14	1.57	4	0	-1	0.01	TR12199609	
142.05	144.69	2.64	M978167	0.021	FA_AAS	0.8	0.0023	0.0031	0.0014	25.0	2.40	1.24	5	0	-1	-1	TR12199609	
144.69	147.33	2.64	M978168	0.027	FA_AAS	3.7	0.0039	0.0140	0.0021	30.0	2.37	1.29	4	0	-1	-1	TR12199609	
147.33	150.00	2.67	M978169	0.005	FA_AAS	0.3	0.0028	0.0035	0.0016	18.0	2.71	0.95	4	0	-1	-1	TR12199609	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-26 150 155.25 5.25 Ovb60Bdf And20Bdf Mdc20Bdf

Limestone -> Marble

Alternating limestone (trending towards marble), chlorite-altered andesite and carbonaceous mudstone. Contacts between the units parallel or sub-parallel to internal bedding; internal bedding locally weakly deformed. M-scale beds of each unit. Mudstone and andesite are typical of hole.

Limestone unit is more texturally consistent with the "dirty chert" units than other marble units, but is calcite-dominant as opposed to quartz-dominant. Limestone is finely bedded with thin (mm-scale) beds of sericite altered material and orangish-tan material. Andesitic and limestone units contain up to 5% very finely disseminated pyrite. Unit is intruded by trace calcite-stringers.

154.65-155m: Dirty chert

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
150.00	151.35	1.35	90Ca4Per	"limestone or weakly metamorphosed, calcite-flooded zone"
151.35	151.95	0.60	100Cl3Per	
151.95	153.90	1.95	95Ca5Per 10Sr2Pat	"limestone or weakly metamorphosed, calcite-flooded zone"
153.90	154.65	0.75	100Ca1Per	"calcite-rich mudstone, calcite may be considered primary"
154.65	155.25	0.60	60Qz3Per 40Ca5Per	interbedded dirty chert and limestone/marble unit

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
150.00		Ct		-1 CA	85	-99	-99	Ct- 85//	
154.65		Ct		-1 OC	49	350	-99	Ct- 49/350/	

FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:
153.89	154.03	0.14	Brh		2 Brh2	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
150.00	152.30	2.30	M978170	0.003	FA_AAS	0.3	0.0029	0.0074	0.0005	2.5	4.40	1.82	5	0	-1	-1	TR12199609	
152.30	154.65	2.35	M978171	0.003	FA_AAS	0.3	0.0022	0.0025	0.0017	17.0	2.01	1.73	5	0	-1	-1	TR12199609	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-26 155.25 158.9 3.65 Ovb100Shr

Unknown Unit

Strongly altered and sheared unknown protolith. Unit is tannish-pink with beds of more yellowish alteration. Pinkish colour considered potassic alteration. Upper contact is sharp, lower contact weakly gradational. Sulphides = elongated pyrrhotite clots with thin oxidized halos (up to 7% locally).

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
155.25	158.90	3.65	60Ks3Per 20Ca3Pat 5Ox2Frc	"?unknown, strongly altered unit; usure of K-spar alteration, pinkish colour to unit; clay alteration (soft)"

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
156.53		S1		-1 OC	60	45	-99	S1- 60/45/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
154.65	156.45	1.80	M978172	0.003	FA_AAS	0.3	0.0050	0.0014	0.0004	22.0	3.65	1.84	3	0	-1	-1	TR12199609	
156.45	159.25	2.80	M978173	0.003	FA_AAS	0.3	0.0039	0.0008	0.0005	9.0	3.22	1.17	2	0	-1	-1	TR12199609	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-26 158.9 165.49 6.59 And70Bdf Mud30Bdf

Interbedded andesitic volcanics and mudstone typical of hole. Andestic is green and chlorite altered. Mudstone is finely interbedded with andesite and weakly deformed, as described above. Unit is variably altered with some soft, calcite-flooded, clay altered zones; and intruded by late-stage calcite veins / vein arrays (mm-scale) that x-cut all structures. Sulphides are pyrite dominated, disseminated, 1-5% (higher abundance in more altered zones). 164.46-164.82m: yellowish-orange calcite flooded zone, soft (likely clay alteration). 165m: nicked the edge of a yellowish healed breccia zone.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
158.90	161.80	2.90	100Cl2Per	
161.80	162.25	0.45	75Ca3Per 25Cl2Per 5Sr2Loc	clay altered
162.25	164.60	2.35	80Cl2Per	
164.60	164.82	0.22	100Ca3Per 10Sr2Loc	clay altered

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
159.25	162.25	3.00	M978174	0.003	FA_AAS	0.5	0.0101	0.0113	0.0001	9.0	5.91	1.14	3	0	-1	-1	TR12199609	
162.25	165.25	3.00	M978176	0.003	FA_AAS	0.3	0.0072	0.0087	0.0001	6.0	4.86	0.60	5	0	-1	-1	TR12199609	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-26 165.49 166.04 0.55 ldk100Por

Weakly porphyritic intermediate dyke. Coarser grains show preferential orientation (flow alignment?), cm-scale chill margins at each contact; sharp contacts coincident with bedding in surrounding andesitic volcanics. Dyke is chlorite altered with a grey-green, fine grained matrix and 25% medium to coarse-grained subhedral plag grains.

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-26 166.04 172.04 6 And50Bdf Mud25Bdf Sst25Bdm

Interbedded andesitic volcanics, sandstone (greywacke), and mudstone. Andesitic and mudstone units are as described above. Sandstone is medium grained, moderately sorted with A-SR grains of feldspar in a fine grained matrix. Contacts between the beds are parallel to internal bedding. Unit is intruded by several late-stage calcite veins (mm- to cm-scale). Trace disseminated pyrite.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
164.82	169.30	4.48	80Cl2Per	
169.30	169.67	0.37	100Bt2Int	
169.67	172.00	2.33	75Cl2Pat	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
170.23		S0		-1 OC	69	15	-99	S0- 69/15/	
170.33		S1		-1 OC	75	35	-99	S1- 75/35/	
170.94		Cv		-1 OC	21	110	-99	Cv- 21/110/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
165.25	167.51	2.26	M978177	0.003	FA_AAS	0.3	0.0089	0.0097	0.0001	5.0	6.36	0.21	1	0	-1	-1	TR12199609	
167.51	169.71	2.20	M978178	0.003	FA_AAS	0.3	0.0074	0.0118	0.0002	12.0	6.00	0.31	1	0	-1	-1	TR12199609	
169.71	172.00	2.29	M978179	0.003	FA_AAS	0.3	0.0064	0.0103	0.0001	9.0	6.25	0.39	0.01	0	-1	-1	TR12199609	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-26 172.04 172.83 0.79 Mdk100Por

Black, porphyritic, slakey, miarolitic dyke with 15% coarse-grained, pseudomorphed olivine phenocrysts in a fine-grained, magnetite-bearing matrix. Contacts are sharp and cm-scale chill margins occur at both contacts.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
172.00	172.83	0.83	5Cl4Loc	chlorite alteration of olivine

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
172.05		Ct		-1 OC	20	60	-99	Ct- 20/60/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPYP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
172.00	173.41	1.41	M978180	0.003	FA_AAS	0.3	0.0056	0.0169	0.0007	11.0	6.11	0.30	0.01	0	-1	-1	TR12199609	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-26 172.83 173.41 0.58 Ovb100Bdf

Limestone

Calcite-flooded or limestone unit, as previously described, with calcite-rich beds and chlorite-altered beds. Bedding is weakly deformed. 3% disseminated pyrite.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
172.83	173.41	0.58	60Ca4Pat	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
172.83		Ct		-1 OC	65	25	-99	Ct- 65/25/	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-26 173.41 175.67 2.26 Mdk100Por

Mafic dyke as described above; with flow banding textures in the middle of the dyke (measured as S0 for structural log).

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
173.41	175.67	2.26	5Cl4Loc	chlorite alteration of olivine

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
175.04		S0		-1 OC	13	70	-99	S0- 13/70/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPYP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
173.41	175.67	2.26	M978181	0.003	FA_AAS	0.3	0.0038	0.0095	0.0001	2.5	8.08	0.20	-1	0	-1	-1	TR12199609	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-26 175.67 176.21 0.54 Mdc100Bdf

Black, carbonaceous mudstone typical of area. Finely bedded with calcite-rich beds and 3% pyrite clots that are elongated or occur as micro-fold infills. Mudstone is microfolded and has a large, bulls-eye fold closure.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
175.67	176.21	0.54	50Ca1Per	calcite-rich beds

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
175.67		Ct		-1 OC	35	255	-99	Ct- 35/255/	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-26 176.21 176.42 0.21 Mdk100Por

Mafic dyke, as described above.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
176.21	176.42	0.21	5Cl4Loc	chlorite alteration of olivine

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
176.21		Ct		-1 OC	40	343	-99	Ct- 40/343/	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-26 176.42 177.5 1.08 Mdc100Bdf

Carbonaceous mudstone, as described above.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
176.42	177.50	1.08	50Cl2Per	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
176.42		Ct		-1 OC	18	20	-99	Ct- 18/20/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPYP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
175.67	178.67	3.00	M978182	0.003	FA_AAS	0.3	0.0055	0.0129	0.0001	18.0	6.54	0.47	2	0	-1	-1	TR12199609	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-26 177.5 177.72 0.22 Mdk100Por

Mafic dyke, as described above.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
177.50	177.72	0.22	5Cl4Loc	chlorite alteration of olivine

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
177.50		Ct		-1 OC	66	355	-99	Ct- 66/355/	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-26 177.72 181.08 3.36 Mdc90Bdf And5Bdf Mdk5Por

Carbonaceous mudstone as described above, with one andesitic bed and one small mafic-dyke intrusion. All units as previously described. Intersection is intruded by several late-stage calcite veinlets / stringers that x-cut all structure and bedding, occasional calcite-flooded zones occur, Mudstone is finely bedded and deformed with some parasitic folding.

179.92-180.10m: Andesitic volcanic

180.97-181.08m: Mafic dyke, dark brownish-grey, outer chill-margins with central porphyritic zone similar texture and composition to mafic dykes described above.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
177.72	177.92	0.20	50Ca1Per	calcite-rich beds
177.92	180.10	2.18	100Cl3Per	
180.10	180.97	0.87	50Ca1Per	calcite-rich beds
180.97	181.08	0.11	5Cl4Loc 100Bl1Per	chlorite alteration of olivine

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
177.72		Ct		-1 OC	62	355	-99	Ct- 62/355/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
178.67	181.67	3.00	M978183	0.006	FA_AAS	0.3	0.0041	0.0121	0.0001	17.0	5.65	1.04	4	0	-1	-1	TR12199609	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-26 181.08 200 18.92 Mdc100Bdf

Typical carbonaceous mudstone of area, and as described above. Locally micro folding / parasitic folding with some bulls-eye fold closures. Abundant late stage calcite vein arrays and stringers. Mudstone contains 5-6% pyrite. Pyrite is occasionally coarse-cubic, but more often elongated and aligned with bedding or irregularly shaped micro-fold infills.

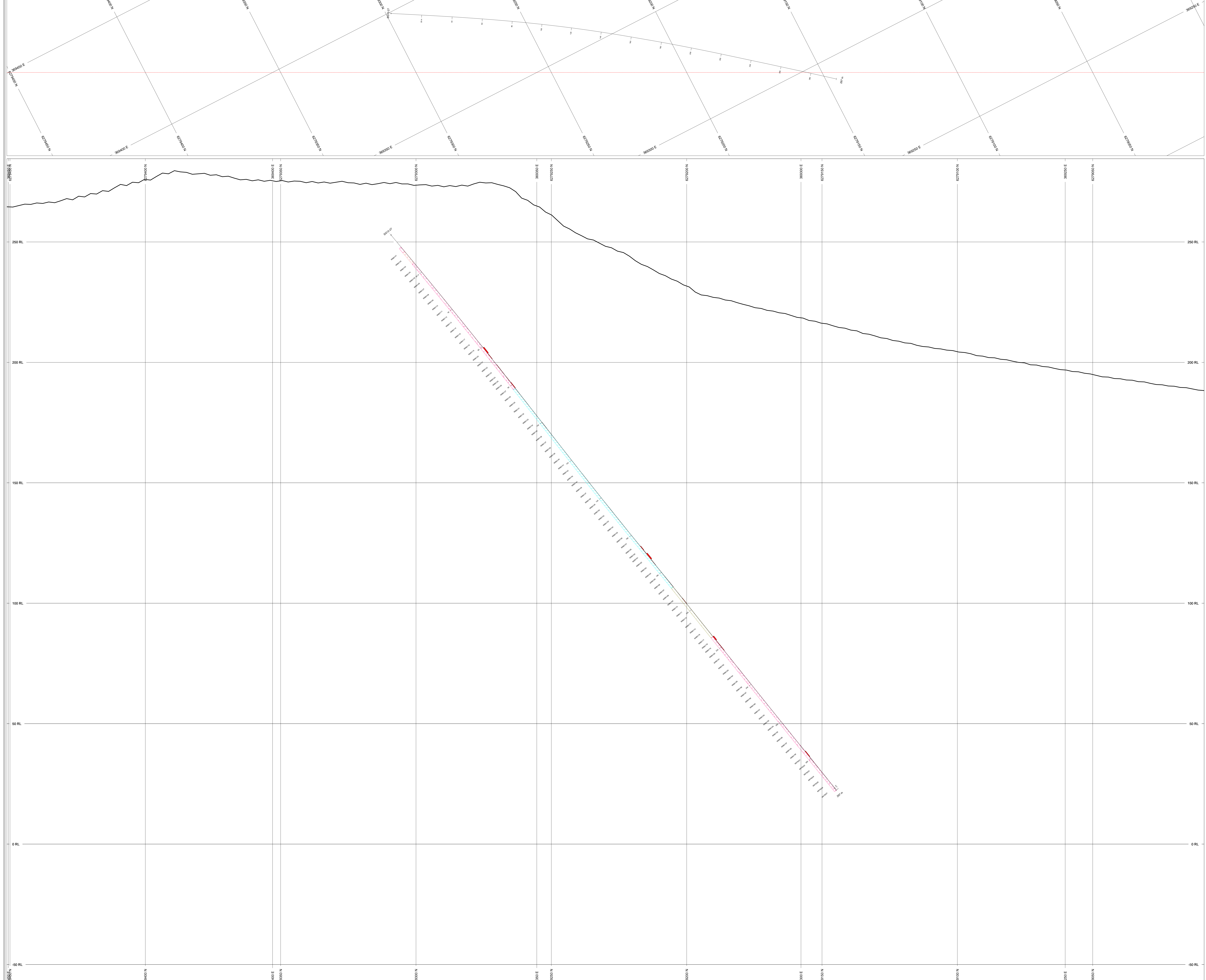
EOH

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
181.08	200.00	18.92	50Ca1Pat 5Ca5Pat	calcite-rich beds; occasional intense calcite flooding

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
187.20		Ca		-1 OC	49	290	-99	Ca- 49/290/	0.4cm
188.91		Ca		-1 OC	39	55	-99	Ca- 39/55/	0.5cm
199.89		S0		-1 OC	64	215	-99	S0- 64/215/	

FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:
199.62	199.63	0.01	Fth		1 Fth1	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
181.67	184.67	3.00	M978184	0.013	FA_AAS	0.5	0.0052	0.0124	0.0001	10.0	5.97	1.85	6	0	-1	-1	TR12199609	
184.67	187.67	3.00	M978185	0.014	FA_AAS	0.8	0.0045	0.0142	0.0001	33.0	5.28	1.69	6	0	-1	-1	TR12199609	
187.67	190.67	3.00	M978186	0.011	FA_AAS	0.5	0.0043	0.0121	0.0001	12.0	5.61	1.42	6	0	-1	-1	TR12199609	
190.67	193.67	3.00	M978187	0.009	FA_AAS	1.0	0.0041	0.0100	0.0001	32.0	5.10	1.83	6	0	-1	-1	TR12199609	
193.67	195.78	2.11	M978188	0.010	FA_AAS	1.7	0.0060	0.0099	0.0001	36.0	5.07	2.06	6	0	-1	-1	TR12199609	
195.78	197.89	2.11	M978189	0.009	FA_AAS	1.3	0.0048	0.0107	0.0001	26.0	5.28	2.17	7	0	-1	-1	TR12199609	
197.89	200.00	2.11	M978191	0.012	FA_AAS	0.9	0.0053	0.0099	0.0001	27.0	5.23	1.95	6	0	-1	-1	TR12199609	



TOPOGRAPHY

MAP GRAPHS

Al_jpn	LR	CDL

ROCK CODES

LRH_Code	PAT	LABEL	DESCRIPTION
	Di	Di	Diabase
	Ac	Ac	Andesite
	Me	Me	Mesodiorite - Undifferentiated
	Id	Id	Intermediate Diabase
	Me	Me	Mesodiorite - Undifferentiated

POSTED TEXT

LR	TEXT	ITEMS

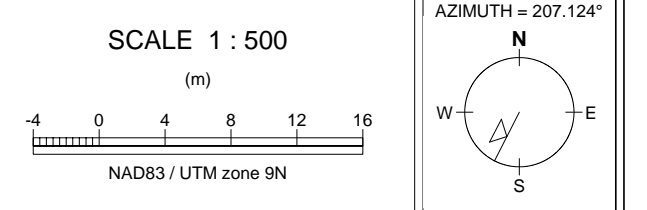
SECTION SPECS:

REF. HT. E. N. 399337 m 6279230 m

EXTENTS 427 m 345.7 m

SECTION TOP BOT 264.6 m 45.1 m

TOLERANCE ± 50 m



SnipGold Corp (SGG.TSX)
 Iskut Property (SG12-27)
 369337E SECTION
 Cross-Section: 282000E



HOLE-ID: **SG12-27**
 UTM East: 369,399.39
 UTM North: 6,279,298.07
 Elevation: 252.92
 Length (m): 297.00
 ZONE: Burnie_North
 Collar CrossSection:

Drill Company: NoLimitDrilling
 Logged By:
 Operator:
 Purpose:
 Casing:
 Year: 2012
 Proposed HID: PB_002c

DISTANCE:	AZIMUTH:	DIP:	SURVEYTYPE:	COMMENTS:
65.00	211.70	-51.40	ReflexGyro	
135.00	215.50	-51.30	ReflexGyro	
130.00	215.20	-51.40	ReflexGyro	
125.00	214.90	-51.50	ReflexGyro	
120.00	214.60	-51.60	ReflexGyro	
115.00	214.30	-51.70	ReflexGyro	
110.00	214.00	-51.80	ReflexGyro	
105.00	213.60	-51.80	ReflexGyro	
100.00	213.40	-51.80	ReflexGyro	
95.00	212.90	-51.80	ReflexGyro	
90.00	212.80	-51.80	ReflexGyro	
85.00	212.50	-51.70	ReflexGyro	
80.00	212.30	-51.50	ReflexGyro	
0.00	210.00	-50.00		
70.00	211.90	-51.60	ReflexGyro	
150.00	216.40	-50.90	ReflexGyro	
60.00	211.40	-51.30	ReflexGyro	
55.00	211.10	-51.30	ReflexGyro	
50.00	211.10	-51.10	ReflexGyro	
45.00	211.00	-51.00	ReflexGyro	
40.00	210.70	-51.00	ReflexGyro	
35.00	210.60	-50.80	ReflexGyro	
30.00	210.40	-50.70	ReflexGyro	
25.00	210.20	-50.50	ReflexGyro	
20.00	210.20	-50.50	ReflexGyro	
15.00	210.20	-50.40	ReflexGyro	
10.00	210.20	-50.20	ReflexGyro	
5.00	210.10	-50.20	ReflexGyro	
75.00	212.10	-51.60	ReflexGyro	
215.00	218.90	-50.70	ReflexGyro	
285.00	219.70	-50.40	ReflexGyro	
280.00	219.60	-50.40	ReflexGyro	
275.00	219.40	-50.50	ReflexGyro	
270.00	219.30	-50.50	ReflexGyro	
265.00	219.40	-50.50	ReflexGyro	

DISTANCE:	AZIMUTH:	DIP:	SURVEYTYPE:	COMMENTS:
260.00	219.40	-50.60	ReflexGyro	
255.00	219.30	-50.50	ReflexGyro	
250.00	219.20	-50.60	ReflexGyro	
245.00	219.10	-50.70	ReflexGyro	
240.00	219.10	-50.70	ReflexGyro	
235.00	219.20	-50.70	ReflexGyro	
230.00	219.20	-50.70	ReflexGyro	
140.00	215.80	-51.20	ReflexGyro	
220.00	218.90	-50.70	ReflexGyro	
145.00	216.10	-51.00	ReflexGyro	
210.00	218.80	-50.70	ReflexGyro	
205.00	218.50	-50.90	ReflexGyro	
200.00	218.30	-50.90	ReflexGyro	
195.00	218.10	-50.80	ReflexGyro	
190.00	217.90	-50.70	ReflexGyro	
185.00	217.60	-50.70	ReflexGyro	
180.00	217.30	-50.60	ReflexGyro	
175.00	217.10	-50.50	ReflexGyro	
170.00	217.10	-50.40	ReflexGyro	
165.00	217.00	-50.50	ReflexGyro	
160.00	216.90	-50.60	ReflexGyro	
155.00	216.60	-50.70	ReflexGyro	
290.00	219.70	-50.40	ReflexGyro	
225.00	219.10	-50.70	ReflexGyro	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-27 0 6.5 6.5 Ovb100

Overburden, unconsolidated material and boulders with Fe-oxide staining on fracture surfaces.

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-27 6.5 8.85 2.35 And60Bdf Sst40Bdf

Interbedded chlorite-altered andesitic volcanics and greyish, weakly altered and sheared greywacke. Contacts between the beds are sharp and coincident with internal bedding. Unit is quartz-flooded (with minor calcite) in areas with trace quartz +/- calcite veins. No sulphides observed.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
6.50	8.85	2.35	80Cl2Per 5Qz4Pat 10Bt2Int	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
8.25		s0		-1	50	-99	-99	s0- 50//	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
6.50	9.50	3.00	M980101	0.003	FA_AAS	0.3	0.0012	0.0048	0.0001	2.5	4.02	0.07	-1	0	-1	-1	TR12195622	

HOLE-ID: **FROM:** **TO:** **INTERVAL:** **PLOT LITH:**
SG12-27 **8.85** **15.03** **6.18** **ldk100Shr**

Weakly sheared, chlorite altered intermediate dyke with subhedral feldspar (plagioclase) > mafics (biotite + hornblende, chlorite altered) > quartz.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
8.85	15.00	6.15	75Cl3Per	"green pervasive chlorite alteration and beds of strong, black chlorite alteration; overprinted by weak, patchy epidote alteration, 2, 30%"

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%:	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
9.50	12.50	3.00	M980102	0.003	FA_AAS	0.3	0.0146	0.0071	0.0001	2.5	6.16	0.14	-1	0	-1	-1	TR12195622	
12.50	15.50	3.00	M980103	0.003	FA_AAS	0.3	0.0008	0.0063	0.0001	2.5	5.40	0.11	0.01	0	-1	-1	TR12195622	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-27 15.03 81.94 66.91 And95Bdf ldk5Shr

Green, chlorite altered, fine grained andesitic volcanics intruded by several small (cm-scale) intermediate dykes. Andesitics are finely bedded and variably sheared with zones of silicification, and interbedded biotite-alteration and quartz flooding. In places with strong shearing, S1 is coincident with S0. Unit is intruded by calcite-quartz veins that are parallel to bedding and by later stage quartz-calcite +/- chlorite and calcite veins and stringers that x-cut bedding. Pyrite is disseminated to clotty, 1-2%, fine to occasionally medium grained and has a patchy distribution. Pyrrhotite is rare and occurs as clots or fine-stringers bordering quartz-calcite or quartz-ankerite veins. Trace disseminated magnetite occurs in patches.

Intermediate dykes are as described above and occur at:46.35-47.62m; 48.21-48.65m; 51.25-51.65m

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
15.00	15.50	0.50	100Si4Per 80Cl2Per	"overprinted by weak, patchy epidote alteration, 2, 30%"
15.50	23.90	8.40	75Cl3Per	"green pervasive chlorite alteration and beds of strong, black chlorite alteration; overprinted by weak, patchy epidote alteration, 2, 30%"
23.90	30.07	6.17	40Qz4Pat 30Bt4Pat 30Cl3Pat	"sheared beds of quartz-flooding, biotite altered beds, and chlorite altered beds"
30.07	31.70	1.63	50Cl3Pat 35Qz4Per 15Bt2Per	similar to above with hematite alteration on fracture surfaces
31.70	46.20	14.50	75Cl3Per	"green pervasive chlorite alteration and beds of strong, black chlorite alteration; overprinted by weak, patchy epidote alteration, 2, 30%"
46.20	51.65	5.45	70Cl3Per 10Ca3Loc 5Bt2Loc	thin beds of biotite alteration
51.65	51.77	0.12	100Qz5Per	
51.77	59.70	7.93	75Cl3Per	"green pervasive chlorite alteration and beds of strong, black chlorite alteration; overprinted by weak, patchy epidote alteration, 2, 30%; hematite staining on some fracture surfaces"
59.70	73.40	13.70	100Cl3Per	
73.40	74.50	1.10	100Si2Per 10Qz4Pat 5Cl4Frc	
74.50	75.48	0.98	100Si3Per 5Qz4Pat 5Cl3Pat	Same as above but with hematite staining within silicified zones
75.48	76.30	0.82	100Si2Per 50Qz4Pat 5Cl3Frc	clay gouge
76.30	81.94	5.64	95Cl3Per 5Qz5Pat	fracture controlled and pervasive chlorite alteration

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
20.81		s0	-1		40	-99	-99	s0- 40//	
32.70		s1	-1		58	-99	-99	s1- 58//	
38.26		s0	-1		40	-99	-99	s0- 40//	
51.66		ct	-1		40	-99	-99	ct- 40//	
53.40		s0	-1		30	-99	-99	s0- 30//	
68.91		s0	-1		55	-99	-99	s0- 55//	
74.55		qv	-1		45	-99	-99	qv- 45//	5.2cm

FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:
75.58	75.68	0.10	Gge		1 Gge1	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
15.50	18.50	3.00	M980104	0.003	FA_AAS	0.3	0.0004	0.0044	0.0001	2.5	4.65	0.05	0.01	0	-1	-1	TR12195622	
18.50	21.50	3.00	M980105	0.003	FA_AAS	0.3	0.0012	0.0081	0.0001	5.0	5.83	0.18	1	0	-1	-1	TR12195622	
21.50	24.50	3.00	M980106	0.003	FA_AAS	0.3	0.0065	0.0123	0.0001	2.5	5.42	0.16	2	0	-1	-1	TR12195622	
24.50	27.50	3.00	M980107	0.003	FA_AAS	0.3	0.0062	0.0104	0.0002	2.5	5.04	0.36	1	0	-1	-1	TR12195622	
27.50	30.50	3.00	M980108	0.003	FA_AAS	0.3	0.0039	0.0092	0.0003	2.5	4.59	0.14	2	0	-1	-1	TR12195622	
30.50	33.50	3.00	M980109	0.003	FA_AAS	0.3	0.0024	0.0102	0.0002	2.5	5.00	0.12	1	0	-1	-1	TR12195622	
33.50	36.50	3.00	M980110	0.003	FA_AAS	0.3	0.0056	0.0113	0.0004	2.5	5.13	0.14	1	0	-1	-1	TR12195622	
36.50	39.50	3.00	M980111	0.003	FA_AAS	0.3	0.0014	0.0074	0.0002	2.5	4.28	0.21	2	0	-1	-1	TR12195622	
39.50	42.50	3.00	M980112	0.003	FA_AAS	0.3	0.0021	0.0110	0.0002	2.5	4.65	0.12	1	0	-1	-1	TR12195622	
42.50	45.50	3.00	M980113	0.003	FA_AAS	0.3	0.0179	0.0237	0.0002	2.5	4.57	0.09	0.01	0	-1	-1	TR12195622	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%:	ASP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
45.50	48.50	3.00	M980114	0.003	FA_AAS	0.3	0.0061	0.0090	0.0001	7.0	5.56	0.19	0.01	0	-1	-1	TR12195622	
48.50	51.50	3.00	M980116	0.003	FA_AAS	0.3	0.0024	0.0070	0.0001	7.0	6.01	0.32	0.01	0	-1	-1	TR12195622	
51.50	54.50	3.00	M980117	0.003	FA_AAS	0.3	0.0015	0.0080	0.0002	2.5	5.38	0.13	0.01	0	-1	-1	TR12195622	
54.50	57.50	3.00	M980118	0.003	FA_AAS	0.3	0.0023	0.0070	0.0002	2.5	5.92	0.23	1	0	-1	-1	TR12195622	
57.50	60.50	3.00	M980119	0.006	FA_AAS	0.3	0.0103	0.0079	0.0002	6.0	6.34	0.34	1	0	-1	-1	TR12195622	
60.50	63.50	3.00	M980120	0.095	FA_AAS	0.3	0.0075	0.0048	0.0002	2.5	5.38	0.48	1	0	-1	-1	TR12195622	
63.50	66.50	3.00	M980121	0.030	FA_AAS	0.3	0.0011	0.0041	0.0002	2.5	4.10	0.24	1	0	-1	-1	TR12195622	
66.50	69.50	3.00	M980122	0.003	FA_AAS	0.3	0.0038	0.0129	0.0002	2.5	6.88	0.13	2	0	-1	-1	TR12195622	
69.50	72.00	2.50	M980123	0.021	FA_AAS	0.3	0.0014	0.0077	0.0001	2.5	5.88	0.14	1	0	-1	-1	TR12195622	
72.00	74.50	2.50	M980124	0.017	FA_AAS	0.3	0.0034	0.0081	0.0001	6.0	5.92	0.45	2	0	-1	-1	TR12195622	
74.50	76.00	1.50	M980125	0.011	FA_AAS	0.9	0.0150	0.0761	0.0001	5.0	4.94	0.84	1	0	-1	-1	TR12195622	
76.00	78.97	2.97	M980126	0.018	FA_AAS	0.5	0.0059	0.0094	0.0001	19.0	4.85	0.26	0.01	0	-1	-1	TR12195622	
78.97	81.94	2.97	M980127	0.042	FA_AAS	0.5	0.0058	0.0079	0.0001	53.0	4.76	0.31	0.01	0	-1	-1	TR12195622	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-27 81.94 168.38 86.44 Mdc70Bdf Sst20Shr Tff10Bdf

Interbedded carbonaceous to graphitic mudstone, sandstone (greywacke) and felsic to intermediate tuff. Unit is variably sheared with sections of strong shearing and occasional ductile-brittle failure (with calcite or less often pyrite filled tension gashes) within the mudstone units. Late stage quartz-calcite and calcite veins and stringers are common.

Mudstone is typical of area with thin calcite-rich beds and more carbonaceous beds, and occasionally graphitic. Mudstone contains 1-5% pyrite, with localized trace pyrrhotite. S0 is well developed and deformed in places with local micro folding to parasitic folding.

Sandstone or greywacke is fine to medium grained, sheared and altered (appears to be more subject to alteration than surrounding mudstone). Some mudstone units are intruded by 2-4% quartz-ankerite veins. Sharp contacts with mudstone, generally parallel to bedding.

Felsic tuff is beige to pale brown and sheared with very fine, wispy bedding; with up to 7% pyrite + pyrrhotite in some beds. Contacts with mudstone are sharp but irregular and jagged.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
81.94	93.20	11.26	50Ca1Pat	"calcite-rich beds, may be primary"
93.20	93.80	0.60	100Ca1Per 50X1Frc	"calcite-rich, may be primary; weak oxidization"
93.80	97.68	3.88	50Ca1Pat	"calcite-rich beds, may be primary"
97.68	98.91	1.23	100Ca1Per	"calcite-rich, may be primary"
98.91	99.91	1.00	50Ca1Pat	"calcite-rich beds, may be primary"
99.91	101.42	1.51	50Cl2Per 100Ca1Per	beds of chlorite-alteration and hematite staining; calcite-rich
101.42	112.50	11.08	50Ca1Pat	"calcite-rich beds, may be primary"
112.50	117.21	4.71	5Qz4Pat 50X1Frc	weak oxidization along calcite / ankerite healed fractures / vein arrays
117.21	168.38	51.17	50Ca1Pat	"calcite-rich beds, may be primary"

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
114.15		ca		-1	60	300	-99	ca- 60/300/	
115.53		s0		-1	40	180	-99	s0- 40/180/	
115.74		ca		-1	20	165	-99	ca- 20/165/	
117.22		ct		-1	20	70	-99	ct- 20/70/	
119.14		s0		-1	18	50	-99	s0- 18/50/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
81.94	85.00	3.06	M980128	0.010	FA_AAS	0.5	0.0075	0.0062	0.0001	25.0	4.28	0.96	3	0	-1	-1	TR12195622	
85.00	88.00	3.00	M980129	0.006	FA_AAS	0.3	0.0058	0.0068	0.0001	18.0	3.78	0.73	4	0	-1	-1	TR12195622	
88.00	91.00	3.00	M980131	0.007	FA_AAS	0.6	0.0084	0.0071	0.0001	26.0	4.53	0.85	4	0	-1	-1	TR12195622	
91.00	94.00	3.00	M980132	0.003	FA_AAS	0.6	0.0074	0.0119	0.0001	27.0	4.77	0.59	4	0	-1	-1	TR12195622	
94.00	97.00	3.00	M980133	0.005	FA_AAS	0.3	0.0071	0.0099	0.0001	30.0	4.65	0.38	2	0	0.01	-1	TR12195622	
97.00	100.00	3.00	M980134	0.003	FA_AAS	0.6	0.0065	0.0068	0.0001	55.0	4.28	0.37	0.01	0	-1	-1	TR12195622	
100.00	103.00	3.00	M980135	0.013	FA_AAS	0.6	0.0064	0.0067	0.0001	37.0	4.19	0.48	1	0	-1	-1	TR12195622	
103.00	106.00	3.00	M980136	0.007	FA_AAS	0.6	0.0096	0.0073	0.0001	32.0	4.50	0.30	2	0	-1	-1	TR12195622	
106.00	109.00	3.00	M980137	0.006	FA_AAS	0.8	0.0089	0.0099	0.0001	43.0	4.50	0.28	2	0	-1	-1	TR12195622	
109.00	112.00	3.00	M980138	0.003	FA_AAS	0.5	0.0071	0.0078	0.0001	53.0	4.39	0.32	1	0	-1	-1	TR12195622	
112.00	115.00	3.00	M980139	0.003	FA_AAS	0.3	0.0028	0.0073	0.0001	9.0	4.19	0.35	0.01	0	-1	-1	TR12195622	
115.00	118.00	3.00	M980140	0.005	FA_AAS	0.3	0.0038	0.0059	0.0001	14.0	4.02	0.57	0.01	0	-1	-1	TR12195622	
118.00	121.00	3.00	M980141	0.003	FA_AAS	0.3	0.0072	0.0076	0.0001	28.0	3.28	0.49	2	0	-1	-1	TR12195622	
121.00	124.00	3.00	M980142	0.005	FA_AAS	0.6	0.0062	0.0074	0.0001	25.0	3.59	0.72	2	0	-1	-1	TR12195622	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
124.00	127.00	3.00	M980143	0.003	FA_AAS	0.9	0.0079	0.0103	0.0002	22.0	3.93	1.04	1	0	-1	-1	TR12195622	
127.00	130.00	3.00	M980144	0.006	FA_AAS	0.8	0.0081	0.0083	0.0003	22.0	3.79	0.76	1	0	-1	-1	TR12195622	
130.00	133.00	3.00	M980146	0.005	FA_AAS	0.9	0.0097	0.0105	0.0005	21.0	4.22	0.86	3	0	-1	-1	TR12195622	
133.00	136.00	3.00	M980147	0.003	FA_AAS	0.3	0.0060	0.0097	0.0001	17.0	4.11	0.23	3	0	-1	-1	TR12195622	
136.00	139.00	3.00	M980148	0.003	FA_AAS	0.3	0.0025	0.0084	0.0002	6.0	3.55	0.50	1	0	-1	-1	TR12195622	
139.00	142.00	3.00	M980149	0.003	FA_AAS	0.3	0.0028	0.0090	0.0002	8.0	3.90	0.66	2	0	-1	-1	TR12195622	
142.00	145.00	3.00	M980150	0.006	FA_AAS	0.3	0.0022	0.0076	0.0002	14.0	3.47	0.68	4	0	-1	-1	TR12195622	
145.00	148.00	3.00	M980152	0.009	FA_AAS	0.3	0.0036	0.0108	0.0001	26.0	4.77	1.71	5	0	-1	-1	TR12195622	
148.00	151.00	3.00	M980153	0.006	FA_AAS	0.3	0.0036	0.0127	0.0002	30.0	5.36	1.17	6	0	-1	-1	TR12195622	
151.00	154.00	3.00	M980154	0.007	FA_AAS	0.3	0.0037	0.0110	0.0001	40.0	5.14	0.93	6	0	-1	-1	TR12195622	
154.00	157.00	3.00	M980155	0.005	FA_AAS	0.3	0.0042	0.0095	0.0001	31.0	5.71	0.38	3	0	-1	-1	TR12195622	
157.00	160.00	3.00	M980156	0.003	FA_AAS	0.3	0.0037	0.0119	0.0001	14.0	5.12	0.64	4	0	-1	-1	TR12195622	
160.00	163.00	3.00	M980157	0.005	FA_AAS	0.3	0.0038	0.0103	0.0001	19.0	5.50	0.50	4	0	-1	-1	TR12195622	
163.00	166.00	3.00	M980158	0.007	FA_AAS	0.3	0.0037	0.0120	0.0001	40.0	5.14	0.91	3	0	-1	-1	TR12195622	
166.00	168.00	2.00	M980159	0.050	FA_AAS	1.1	0.0035	0.0103	0.0002	75.0	4.89	1.08	1	0	-1	-1	TR12195622	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-27 168.38 187.83 19.45 Mdc75Bdf Sl15Bdf Msd10Shr

Interbedded mudstone, silt to sandstone and metasediments. Similar to above described units but with 2 discrete, light-grey to white metasediment beds. Entire unit is variably sheared with well developed S0 and locally developed S1; distorted bedding, micro folding, and parasitic folding occurs throughout. Bedding between the units is parallel to internal bedding. Unit is intruded by quartz-calcite and calcite veins, several of which pre-date deformation.

Mudstone is carbonaceous to weakly graphitic with calcite-rich beds and some healed faults and gouge zones. Sulphide abundance decreases downhole and is predominantly pyrite + pyrrhotite (1-6%) with trace sphalerite + galena in a quartz-calcite vein near the basal contact (185.4m),

Siltstone to sandstone is medium grey to light grey, bedded and sheared often with oxidized, healed fracturing throughout. Bedding and structure consistent with mudstone. Pyrrhotite generally > pyrite.

Metasediments are light grey, weakly silicified, strongly sheared, and clay + sericite altered. Internal bedding and deformation are consistent with surrounding mudstones - protolith difficult to determine. Metasediments occur at: 168.38-169.60m and 173.31-174.0m (lower unit is broken).

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
168.38	169.60	1.22	100Si2Per 10Sr2Int	"clay altered; 3/5, pervasive, 50"
169.60	173.31	3.71	50Ca1Pat	"calcite-rich beds, may be primary"
173.31	174.00	0.69	100Si1Per 10Sr2Int 5Cl2Pat	"clay alteration, 3.5, pervasive, 50%"
174.00	187.83	13.83	50Ca1Pat	"calcite-rich beds, may be primary"

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
185.38		qv		-1	65	195	-99	qv- 65/195/	0.7cm with sphal and gal
185.65		s0		-1	70	185	-99	s0- 70/185/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
168.00	170.00	2.00	M980161	0.021	FA_AAS	1.4	0.0068	0.0137	0.0002	54.0	2.87	0.97	1	0	-1	-1	TR12195622	
170.00	173.00	3.00	M980162	0.104	FA_AAS	2.2	0.0071	0.0117	0.0003	113.0	4.48	0.60	0.01	0	-1	-1	TR12195622	
173.00	176.00	3.00	M980163	0.020	FA_AAS	1.0	0.0067	0.0094	0.0002	70.0	3.83	0.38	1	0	-1	-1	TR12195622	
176.00	179.00	3.00	M980164	0.006	FA_AAS	1.3	0.0083	0.0096	0.0002	67.0	4.37	0.46	1	0	-1	-1	TR12195622	
179.00	182.00	3.00	M980165	0.007	FA_AAS	1.8	0.0070	0.0126	0.0002	63.0	4.14	0.56	2	0	-1	-1	TR12195622	
182.00	185.00	3.00	M980166	0.012	FA_AAS	2.6	0.0079	0.0173	0.0002	135.0	4.11	0.51	2	0	-1	-1	TR12195622	
185.00	187.83	2.83	M980167	0.017	FA_AAS	2.0	0.0041	0.0177	0.0003	50.0	3.49	0.49	2	0	-1	0.01	TR12195622	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-27 187.83 214.4 26.57 Msd100Shr

Metasediment, as described above; potentially metamorphosed tuff. Light grey, weakly silicified, strongly sheared, and clay + sericite altered giving the unit a "baked" appearance. Strongly developed S1 fabric with occasional bulls-eye fold closures and micro folding in places (S, Z and M symmetry observed). Sulphides dominantly disseminated pyrite, with trace fine-medium grained disseminated galena associated with faulted / broken zones.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
187.83	193.58	5.75	100Si2Per 10Sr2Int	"clay alteration, 3.5, pervasive, 50%"
193.58	194.12	0.54		
194.12	214.40	20.28	100Si2Per 5Sr2Int 3Cl1Pat	"clay alteration, 3.5, pervasive, 50%"

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
187.83		ct	-1		40	195	-99	ct- 40/195/	Irregular contact
189.52		s0	-1		60	210	-99	s0- 60/210/	
191.39		ca	-1		45	225	-99	ca- 45/225/	"1mm, set of 3"
192.65		qv	-1		50	290	-99	qv- 50/290/	1.8cm
192.79		s0	-1		75	205	-99	s0- 75/205/	
197.46		s1	-1		25	205	-99	s1- 25/205/	
199.08		s1	-1		70	245	-99	s1- 70/245/	45

FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:
195.95	197.73	1.78	Fto		3 Fto3	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
187.83	190.80	2.97	M980168	0.003	FA_AAS	0.3	0.0042	0.0035	0.0003	2.5	1.18	0.21	1	0	-1	-1	TR12195622	
190.80	193.80	3.00	M980169	0.007	FA_AAS	1.4	0.0039	0.0053	0.0001	11.0	2.11	0.29	2	0	-1	-1	TR12195622	
193.80	196.80	3.00	M980170	0.021	FA_AAS	0.9	0.0044	0.0092	0.0002	6.0	2.61	0.47	3	0	-1	-1	TR12195622	
196.80	199.80	3.00	M980171	0.003	FA_AAS	0.3	0.0016	0.0042	0.0001	13.0	1.59	0.37	4	0	-1	-1	TR12195622	
199.80	202.80	3.00	M980172	0.003	FA_AAS	0.6	0.0016	0.0049	0.0001	12.0	1.50	0.39	2	0	-1	-1	TR12195622	
202.80	205.80	3.00	M980173	0.003	FA_AAS	0.3	0.0025	0.0018	0.0001	2.5	0.95	0.16	1	0	-1	-1	TR12195622	
205.80	208.80	3.00	M980174	0.003	FA_AAS	0.3	0.0010	0.0024	0.0003	6.0	1.00	0.12	1	0	-1	-1	TR12195622	
208.80	211.80	3.00	M980176	0.003	FA_AAS	0.3	0.0008	0.0019	0.0002	2.5	0.87	0.11	1	0	-1	-1	TR12195622	
211.80	214.40	2.60	M980177	0.006	FA_AAS	1.2	0.0023	0.0055	0.0001	8.0	1.18	0.28	2	0	-1	-1	TR12195622	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-27 214.4 297 82.6 And45Bdf Msd35Shr Mdc20Bdf

Interbedded andesitic volcanics, mudstone and metasediments; cm- to m- scale interbedding generally parallel to internal bedding; with the abundance of andesitic volcanics increasing downhole. Alteration is variable and generally protolith-dependant, with andesitic volcanics are calcite-bearing and typically chlorite altered, metasediments weakly silicified with sericite and clay alteration as well as calcite-rich beds / localized calcite flooding, and relatively fresh mudstone; occasional lenses of potassic alteration also occur in the bottom half of the sequence. Sequence is strongly sheared with well developed S1 fabric in places and numerous healed ductile-brittle failures and occasional thin gouge zones. Bedding generally dipping NE to ENE, sometimes SW (may be due to bad orientation at the drill). Sulphides are variable and dominantly pyrite, with trace pyrrhotite in places. Magnetite occurs within the andesitic beds towards the bottom of the hole.

Increased breccias and fault in the bottom of the hole. Some healed breccias with quartz flooding contain trace to 1% galena clots.

215.35-215.77m: strongly sheared zone with increased pyrite (lenses or veinlets), 7%.

285.18-288.12m: faulted and brecciated zone with quartz-calcite healed breccia zones and the top and bottom around a thin clay gouge (black) and broken faulted zone with chlorite and sericite alteration

291.5-294.5m: broken / faulted zone

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
214.40	214.64	0.24	50Sr3Int	"wispy stringers of sericite alteration (sometimes fracture controlled); clay alteration, 2/5"
214.64	214.87	0.23	5Sr1Frc	
214.87	215.35	0.48	35Sr2Int 40Cl1Loc 40Ca1Loc	layered calcite-rich and chlorite altered all with wispy sericitic alteration
215.35	215.77	0.42	100Bl1Per 5Ca4Frc	calcite-quartz flooding
215.77	217.41	1.64		little to no alt
217.41	217.85	0.44	5Sr2Int	
217.85	218.60	0.75	100Cl2Per	
218.60	220.30	1.70	10Sr1Int	
220.30	220.91	0.61	15Sr3Int	
220.91	221.31	0.40		little to no alt
221.31	224.64	3.33	50Ca3Loc 30Sr2Int	metased with caclite-rich beds
224.64	226.18	1.54	15Cl2Loc 5Sr1Loc	
226.18	226.35	0.17	90Cl3Per 10Ca4Loc	
226.35	228.03	1.68	3Sr1Frc	
228.03	228.90	0.87	40Sr3Int 30Ca3Per	
228.90	229.70	0.80	90Cl1Per 10Ks2Loc 2Sr1Frc	potassic alteration confined to discrete beds (mm-scale)
229.70	230.05	0.35	20Ca3Loc 20Sr2Int	
230.05	230.49	0.44	90Cl3Per	
230.49	232.10	1.61	20Cl3Pat 10Sr3Int	
232.10	236.57	4.47	50Cl1Per 10Sr2Int	
236.57	237.19	0.62	25Ca3Loc 30Sr2Int	
237.19	237.63	0.44		little to no alt
237.63	238.11	0.48	15Ca3Loc 30Sr2Int	
238.11	239.58	1.47	70Cl3Per	
239.58	240.43	0.85	50Ca3Loc 15Cl1Loc	"beds of calcite-flooded or calcite-rich material, folded with thin beds of weak chlorite alteration"
240.43	241.21	0.78	90Cl3Per	
241.21	241.60	0.39	40Ca3Loc 20Sr2Int	
241.60	241.98	0.38	90Cl3Per	
241.98	243.11	1.13	30Ca3Loc 20Cl3Loc 10Sr2Int	

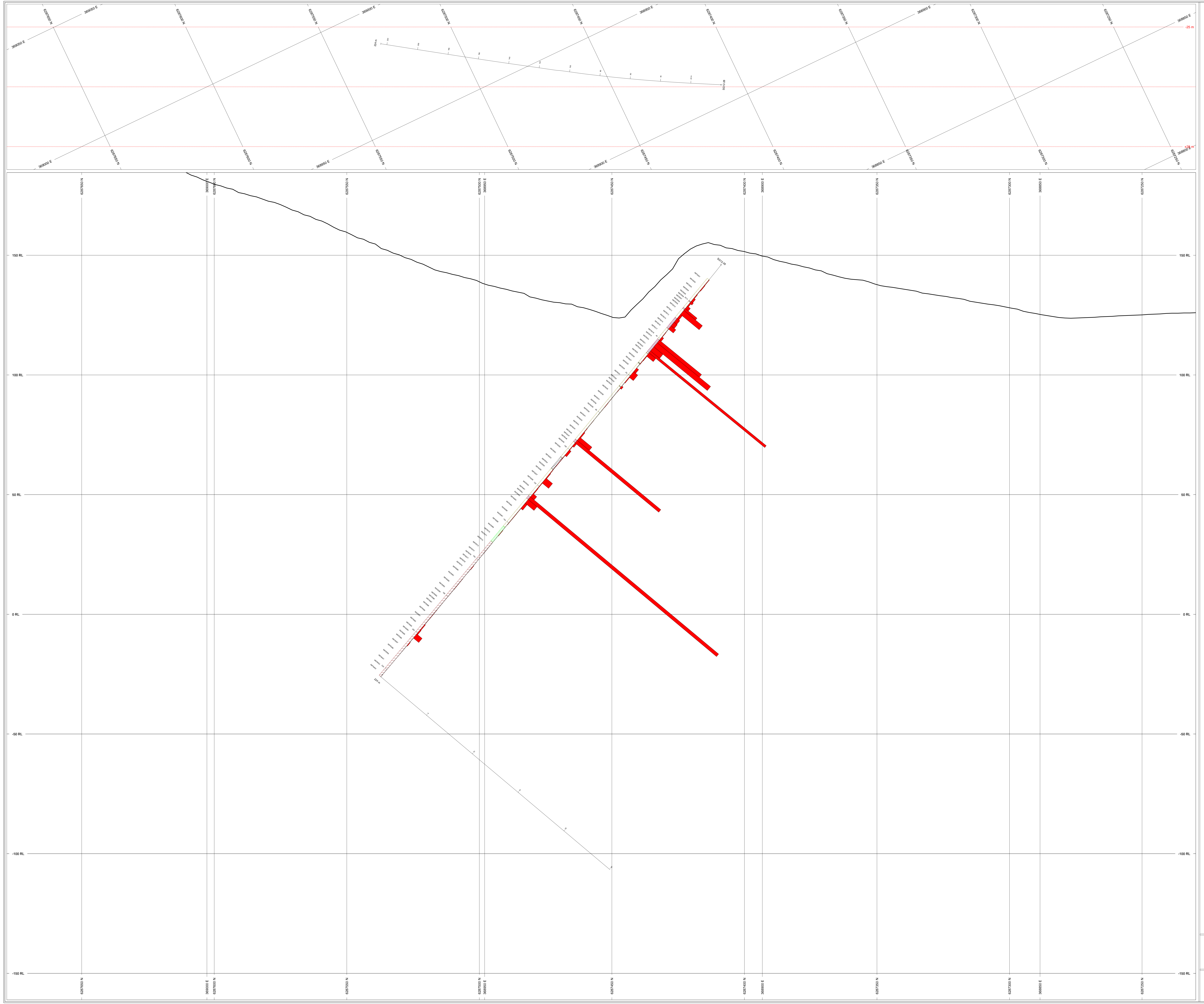
FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
243.11	246.14	3.03	90Cl2Per	
246.14	250.40	4.26	40Ca3Loc 10Cl2Loc 10Sr2Int	
250.40	252.21	1.81	80Cl1Per	
252.21	252.53	0.32	50Ca2Loc 10Cl2Loc 10Sr2Loc	
252.53	254.57	2.04	50Cl2Loc 50Ks2Loc	"beds of chlorite alteration and beds of potassic alteraion, interbedded sheared and micro folded"
254.57	254.85	0.28	40Ca2Loc 10Cl2Loc 5Sr1Int	
254.85	255.50	0.65	40Cl3Per 35Ks2Per	alteration halo around quartz-calcite healed fracturing with increased pyrite and disseminated magnetite (5% locally)
255.50	258.73	3.23	90Cl2Per	
258.73	259.05	0.32	20Ca4Loc 15Sr3Int	
259.05	261.45	2.40	50Cl2Loc 40Ks2Loc 5Qz4Pat	"beds of chlorite alteration and beds of potassic alteraion, interbedded sheared and micro folded"
261.45	265.09	3.64	60Ca4Per 10Cl2Loc	calcite flooded zone with beds and fragments of chlorite altered andesitic volcanics; clay alteration
265.09	269.48	4.39	90Cl2Per	
269.48	270.00	0.52	40Qz3Pat	
270.00	274.25	4.25		little to no alteration
274.25	276.73	2.48	80Cl3Per 15Sr3Int 5Bl2Loc	bleached at bottom of altered zone
276.73	282.35	5.62		little to no alteration
282.35	282.67	0.32	100Bl2Per 5Qz4Loc 5Sr2Int	
282.67	285.10	2.43		little to no alteration
285.10	287.13	2.03	25Qz4Pat 15Sr3Int 15Cl3Pat	healed breccia / fault zone; clay alteration
287.13	287.35	0.22	2Sr2Frc	
287.35	287.58	0.23	60Qz4Pat 5Sr3Int	healed breccia / fault zone; clay alteration
287.58	287.78	0.20	5Sr2Frc	
287.78	289.11	1.33	50Qz4Pat 10Cl2Pat 5Sr2Int	healed breccia / fault zone; clay alteration
289.11	293.35	4.24	5Qz4Loc 5Sr2Frc	
293.35	293.93	0.58	15Cl4Loc	teal chlorite altered beds; clay alteration
293.93	295.60	1.67	5Sr2Frc	
295.60	297.00	1.40	50Qz4Pat	quartz flooded zone runs sub-parallel TCA

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
223.55		s1		-1	60	113	-99	s1- 60/113/	
224.64		ct		-1	54	110	-99	ct- 54/110/	
228.22		s0		-1	49	210	-99	s0- 49/210/	
230.14		ca		-1	47	75	-99	ca- 47/75/	0.1cm
232.41		s1		-1	68	295	-99	s1- 68/295/	
244.75		s0		-1	26	285	-99	s0- 26/285/	
245.52		ct		-1	45	230	-99	ct- 45/230/	
254.11		qv		-1	60	190	-99	qv- 60/190/	0.4cm
254.28		qv		-1	29	180	-99	qv- 29/180/	0.8cm

FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:
219.27	219.61	0.34	SFh		3 SFh3	
220.91	221.19	0.28	SFh		3 SFh3	
238.32	238.42	0.10	Fth		1 Fth1	
240.98	241.08	0.10	Gge		2 Gge2	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
214.40	216.40	2.00	M980178	0.090	FA_AAS	7.6	0.0069	0.0512	0.0002	48.0	4.17	1.27	5	0	-1	-1	TR12195622	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPYP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
216.40	218.90	2.50	M980179	0.024	FA_AAS	1.8	0.0131	0.0095	0.0002	38.0	6.17	0.81	5	0	-1	-1	TR12195622	
218.90	221.90	3.00	M980180	0.032	FA_AAS	1.3	0.0041	0.0063	0.0003	57.0	4.03	1.86	5	0	-1	-1	TR12195622	
221.90	224.90	3.00	M980181	0.003	FA_AAS	0.6	0.0050	0.0043	0.0006	10.0	3.35	2.14	5	0	-1	-1	TR12195622	
224.90	227.90	3.00	M980182	0.007	FA_AAS	0.7	0.0051	0.0248	0.0005	14.0	4.02	1.76	5	0	-1	-1	TR12195622	
227.90	230.90	3.00	M980183	0.003	FA_AAS	0.5	0.0057	0.0083	0.0002	12.0	3.85	2.34	3	0	-1	-1	TR12195622	
230.90	233.90	3.00	M980184	0.008	FA_AAS	0.8	0.0064	0.0086	0.0001	54.0	3.88	3.40	3	0	-1	-1	TR12195622	
233.90	236.90	3.00	M980185	0.003	FA_AAS	0.3	0.0070	0.0111	0.0001	16.0	5.00	0.31	1	0	-1	-1	TR12195622	
236.90	239.90	3.00	M980186	0.005	FA_AAS	0.3	0.0056	0.0073	0.0001	20.0	4.33	1.75	2	0	-1	-1	TR12195622	
239.90	242.90	3.00	M980187	0.003	FA_AAS	0.3	0.0044	0.0104	0.0002	2.5	4.25	2.60	2	0	-1	-1	TR12195622	
242.90	245.90	3.00	M980188	0.003	FA_AAS	0.3	0.0061	0.0100	0.0001	6.0	4.89	0.68	1	0	-1	-1	TR12195622	
245.90	249.00	3.10	M980189	0.003	FA_AAS	0.3	0.0051	0.0023	0.0002	96.0	3.65	1.86	3	0	-1	-1	TR12195622	
249.00	252.00	3.00	M980191	0.003	FA_AAS	0.3	0.0059	0.0060	0.0001	2.5	3.97	1.96	1	0	-1	-1	TR12195622	
252.00	255.00	3.00	M980192	0.003	FA_AAS	0.3	0.0096	0.0091	0.0001	2.5	5.16	1.08	2	0	-1	-1	TR12195622	
255.00	258.00	3.00	M980193	0.003	FA_AAS	0.3	0.0056	0.0087	0.0001	9.0	5.27	0.86	2	0	-1	-1	TR12195622	
258.00	261.00	3.00	M980194	0.003	FA_AAS	0.3	0.0044	0.0080	0.0001	7.0	4.57	1.01	3	0	-1	-1	TR12195622	
261.00	264.00	3.00	M980195	0.003	FA_AAS	0.3	0.0050	0.0077	0.0001	2.5	3.81	4.91	3	0	-1	-1	TR12195622	
264.00	267.00	3.00	M980196	0.006	FA_AAS	1.5	0.0105	0.0094	0.0001	5.0	5.35	2.83	3	0	-1	-1	TR12195622	
267.00	270.00	3.00	M980197	0.003	FA_AAS	0.8	0.0049	0.0112	0.0001	2.5	5.06	0.19	2	0	-1	-1	TR12195622	
270.00	273.00	3.00	M980198	0.003	FA_AAS	0.3	0.0006	0.0063	0.0001	2.5	1.84	0.15	3	0	-1	0.01	TR12195622	
273.00	276.00	3.00	M980199	0.010	FA_AAS	1.0	0.0051	0.0091	0.0001	11.0	4.00	0.68	3	0	-1	0.01	TR12195622	
276.00	279.00	3.00	M978201	0.056	FA_AAS	1.7	0.0048	0.0076	0.0001	24.0	4.63	1.60	5	0	-1	-1	TR12195622	
279.00	282.00	3.00	M978202	0.015	FA_AAS	1.0	0.0040	0.0108	0.0001	29.0	4.71	1.39	6	0	-1	-1	TR12195622	
282.00	285.00	3.00	M978203	0.012	FA_AAS	0.9	0.0033	0.0096	0.0001	25.0	4.21	1.42	5	0	-1	-1	TR12195622	
285.00	288.00	3.00	M978204	0.007	FA_AAS	0.8	0.0069	0.0093	0.0001	22.0	4.15	0.68	2	0	-1	-1	TR12195622	
288.00	291.00	3.00	M978205	0.009	FA_AAS	0.7	0.0098	0.0104	0.0001	25.0	4.08	0.77	1	0	-1	-1	TR12195622	
291.00	294.00	3.00	M978206	0.003	FA_AAS	0.3	0.0054	0.0113	0.0001	17.0	6.37	0.68	3	0	-1	-1	TR12195622	
294.00	297.00	3.00	M978207	0.008	FA_AAS	0.5	0.0068	0.0154	0.0001	35.0	4.84	0.61	2	0	-1	-1	TR12195622	



TOPOGRAPHY

DEM
 SUR GRAPHS L1
 AN POINT E

ROCK CODES

L11 Code	PAT	LABEL	DESCRIPTION
000	Diagonal Hatching	000	Overburden
001	Green	001	Mudstone
002	Blue	002	Sandstone
003	Red	003	Metasandstone - Lithologically
004	Red with Dots	004	Massive Siltstone, Not VMS
005	Red with Dots	005	Structurally Controlled Massive Siltstone, Not VMS, Van
006	Red with Dots	006	Argillite

POSTED TEXT

Symbol	L11	TEXT	ITEMS
Circle	1	Alt	Alt

SECTION SPECS:

REF. PT. E. N. 368929 m 6287450 m
 EXTENTS 487 m 345.7 m
 SECTION TOP BOT 164.6 m -161.1 m
 TOLERANCE ± 25 m

SCALE 1 : 500

ADDITIONAL: 205.5145°

NADES1: UTM zone 59

SnipGold Corp (SGG.TSX)
 Iskut Property (SG12-28)
 368929E SECTION
 Cross-Section: 15005GE



HOLE-ID: **SG12-28**
 UTM East: 368,908.20
 UTM North: 6,287,408.44
 Elevation: 146.02
 Length (m): 224.00
 ZONE: Gorge
 Collar CrossSection: 15005GE

Drill Company: NoLimitDrilling
 Logged By:
 Operator:
 Purpose:
 Casing:
 Year: 2012
 Proposed HID: PG_01Alt-a

DISTANCE:	AZIMUTH:	DIP:	SURVEYTYPE:	COMMENTS:
50.00	30.00	-50.60	ReflexGyro	
0.00	26.00	-52.30		
95.00	33.10	-50.10	ReflexGyro	
90.00	32.80	-50.20	ReflexGyro	
85.00	32.30	-50.40	ReflexGyro	
80.00	32.00	-50.40	ReflexGyro	
75.00	31.60	-50.40	ReflexGyro	
70.00	31.40	-50.50	ReflexGyro	
65.00	31.10	-50.50	ReflexGyro	
105.00	33.60	-50.10	ReflexGyro	
55.00	30.40	-50.60	ReflexGyro	
110.00	33.80	-50.10	ReflexGyro	
45.00	29.90	-50.60	ReflexGyro	
40.00	29.70	-50.70	ReflexGyro	
35.00	29.40	-50.60	ReflexGyro	
30.00	29.10	-50.50	ReflexGyro	
25.00	28.80	-50.50	ReflexGyro	
20.00	28.60	-50.50	ReflexGyro	
15.00	28.40	-50.40	ReflexGyro	
10.00	28.40	-50.30	ReflexGyro	
5.00	28.60	-50.70	ReflexGyro	
60.00	30.80	-50.60	ReflexGyro	
160.00	34.10	-50.10	ReflexGyro	
210.00	34.50	-49.60	ReflexGyro	
205.00	34.50	-49.60	ReflexGyro	
200.00	34.50	-49.70	ReflexGyro	
195.00	34.50	-49.70	ReflexGyro	
190.00	34.40	-49.80	ReflexGyro	
185.00	34.40	-49.90	ReflexGyro	
180.00	34.40	-50.00	ReflexGyro	
175.00	34.30	-50.10	ReflexGyro	
100.00	33.50	-50.10	ReflexGyro	
165.00	34.20	-50.10	ReflexGyro	
215.00	34.50	-49.60	ReflexGyro	
155.00	34.00	-50.20	ReflexGyro	

DISTANCE:	AZIMUTH:	DIP:	SURVEYTYPE:	COMMENTS:
150.00	33.90	-50.20	ReflexGyro	
145.00	33.80	-50.20	ReflexGyro	
140.00	33.70	-50.10	ReflexGyro	
135.00	33.60	-50.00	ReflexGyro	
130.00	33.60	-49.90	ReflexGyro	
125.00	33.70	-49.80	ReflexGyro	
120.00	33.80	-50.00	ReflexGyro	
115.00	33.70	-50.00	ReflexGyro	
170.00	34.20	-50.20	ReflexGyro	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-28 0 8 8 Ovb100

unconsolidated soil and boulders underlain by boulders of country rock material (metasediment)

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-28 8 20.02 12.02 Msd50Shr Msd50Shr

Alternating purplish brown and greyish to greyish green metasediments. Metasediments are weakly bedded and sheared, with localized development of S1 fabric. Contacts between the brownish and greenish section are gradational and characterized by a gradational change in alteration. Purplish-brown units contain biotite, unsure if primary or alteration; greenish grey units are weakly chlorite altered. Unit is intruded by several generations of late-stage veins, including quartz-calcite, calcite, and quartz-calcite-chlorite. Several of these late stage veins are mineralized with pyrite > pyrrhotite > rare chalcopyrite; magnetite-rich beds occur throughout - approximately 3% sulphide bearing veins within unit.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
8.81	9.70	0.89	100Ca3Per 1Cl2Frc 1Sr4Loc	coarse white mica within qcc vein; bleached looking calcite-alt zone around central vein. biotite present - primary?
9.70	11.15	1.45	2Ca2Frc 1Cl1Frc	biotite present - primary?
11.15	13.46	2.31	100Ca3Per 2Cl3Frc	biotite present - primary?
13.46	15.18	1.72	50Ca3Pat 1Cl3Frc 1Bt2Frc	calcite-flooded beds (more pink and bleached looking) are related to increased veining. biotite present - primary?
15.18	17.02	1.84	50Ca3Pat 40Cl1Pat	calcite-flooded beds (more pink and bleached looking) are related to increased veining. Decreased biotite content. Weakly chlorite-alt zones (grey-green metased)
17.02	20.06	3.04	35Ca3Pat 1Cl1Frc	calcite-flooded beds (more pink and bleached looking) are related to increased veining. biotite present - primary?

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
12.73		ca		-1 OC	42	270	-99	ca- 42/270/	
13.13		s0		-1 OC	64	220	-99	s0- 64/220/	
15.40		ca		-1 OC	35	90	-99	ca- 35/90/	
16.23		s1		-1 OC	50	230	-99	s1- 50/230/	
16.41		pa		-1 OC	70	320	-99	pa- 70/320/	
16.58		s0		-1 OC	55	210	-99	s0- 55/210/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
8.00	11.00	3.00	M978301	0.038	FA_AAS	0.5	0.0245	0.0111	0.0007	39.0	8.37	2.22	3	0	-1	-1	TR12182312	
11.00	14.00	3.00	M978302	0.063	FA_AAS	0.3	0.0271	0.0206	0.0012	36.0	8.14	2.13	4	0	-1	-1	TR12182312	
14.00	16.00	2.00	M978303	0.030	FA_AAS	0.3	0.0221	0.0077	0.0019	27.0	6.46	1.79	4	0	-1	-1	TR12182312	
16.00	18.00	2.00	M978304	0.065	FA_AAS	0.5	0.0333	0.0074	0.0012	35.0	6.58	2.28	5	0	-1	-1	TR12182312	
18.00	19.75	1.75	M978305	0.178	FA_AAS	1.1	0.0641	0.0080	0.0014	31.0	7.97	2.84	5	0	-1	-1	TR12182312	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-28 20.02 20.36 0.34 MSs100Msv

Massive sulphide zone, structurally controlled, sharp contacts, vuggy at basal contact. 80% sulphides in a calcite-rich gangue with minor patchy chlorite alteration. Sulphides include pyrite (87%), pyrrhotite (10%), magnetite (disseminated 3%) and trace chalcopyrite

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
20.06	20.36	0.30	15Ca5Per 5Cl2Pat	MNZ in a calcite > chlorite gangue

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
20.06		xv		-1 OC	58	360	-99 xv-	58/360/	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-28 20.36 23.69 3.33 Msd100Shr

Purplish-brown, biotitic metasediment. Same as above, bedded and strongly sheared. Rare chloritic beds contain abundant finely disseminated pyrite. Unit is intruded by several late stage calcitic veins and vein arrays including pyrite-calcite-chlorite-pyrrhotite +/- magnetite veins (5%).

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
20.36	23.60	3.24	5Cl3Loc	"chlorite-alt envelopes around sulph-bearing veins. Biotite present, primary or alt?"

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
20.36		ct		-1 OC	55	19	-99 ct-	55/19/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
19.75	20.75	1.00	M978306	0.241	FA_AAS	3.4	0.1945	0.0110	0.0014	43.0	19.00	13.95	25	0	0.01	-1	TR12182312	
20.75	22.25	1.50	M978307	0.118	FA_AAS	0.9	0.0925	0.0077	0.0021	36.0	9.90	3.59	5	0	-1	-1	TR12182312	
22.25	23.60	1.35	M978308	0.327	FA_AAS	1.8	0.0918	0.0089	0.0036	55.0	9.98	4.68	5	0	-1	-1	TR12182312	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-28 23.69 24.29 0.6 MSs50Msv MSv50Msv

23.69-23.97m: Structurally controlled massive sulphide, similar to the massive sulphide above, with 75% sulphides in a calcite + chlorite gangue. Sulphides include pyrite (90%), pyrrhotite (10%) and magnetite.

24.01-24.29m: Quartz with minor chlorite and calcite vein with 10% sulphides. Sulphides occur as large clots with chalcopyrite > pyrrhotite > pyrite.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
23.60	24.00	0.40	50Ca4Per 5Cl2Pat	MNZ within calcite-flood
24.00	24.29	0.29	100Qz5Per	quartz vein with minor calcite and chlorite

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
24.00		qv		-1 OC	30	130	-99 qv-	30/130/	23cm

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
23.60	24.60	1.00	M978309	1.275	FA_AAS	5.8	0.1670	0.0184	0.0019	178.0	14.25	10.20	15	0	5	-1	TR12182312	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-28 24.29 25.01 0.72 Msd70Bdf MSs30

Metasediment hosted massive sulphide zone with 30% sulphides. Sulphides occur in veins and within calcite-chlorite flooded zones that extend as stringers into the metasediments; 1-3% disseminated magnetite throughout. Mineralized calcite-chlorite flooded zone is bleached and weakly brecciated. Sulphides include pyrite > pyrrhotite > chalcopyrite.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
24.29	24.50	0.21		"biotite present, primary or alt?"

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-28 25.01 29.1 4.09 Msd100Shr

Purplish-brown, bedded and sheared metasediment, similar to above described units. Intruded by several sulphide rich veins and vein arrays (pyrite >> pyrrhotite). Several of the sulphide veins have mm- to cm-scale chlorite altered envelopes with abundant finely disseminated pyrite. 5% sulphide veins.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
24.50	28.50	4.00	40Ca3Pat 5Cl3Pat	"irregular calcite flooding and small veins (trending towards stockwork) with abundant sulphides. biotite present, primary or alt?"
28.50	29.06	0.56	70Ca3Pat	calcite alteration throughout

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
25.68		ra		-1 OC	80	35	-99	ra- 80/35/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%:	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
24.60	26.80	2.20	M978310	2.020	FAOG_GRAV	9.7	0.2770	0.0196	0.0038	33.0	10.20	4.35	6	0	1	-1	TR12182312	
26.80	29.00	2.20	M978311	0.196	FA_AAS	2.2	0.0637	0.0118	0.0008	42.0	8.32	2.74	5	0	-1	-1	TR12182312	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-28 29.1 34.72 5.62 MSs90Msv MSv10

Mineralized zone, metasediment hosted, dominated by structurally controlled massive sulphides comprised of pyrite > pyrrhotite > magnetite > chalcopyrite (trace) in a calcite + quartz-gangue (70-90% total sulphides). Some of these zones appear more vein like and are coincident with bedding; whereas others are more irregular shaped.

Structurally controlled massive sulphides are truncated and intruded by later stage sulphide bearing calcite veins (e.g. 31.27m). These veins carry a lower total sulphide content (5-15%) and x-cut all other structures. Sulphides in the calcite veins include pyrite >> pyrrhotite and trace-1% magnetite.

Massive sulphides and sulphide veins are hosted within the purplish-brown metasediment.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
29.06	29.47	0.41	5Ca4Frc 1Cl2Frc	calcite-rich veining with chlorite alteration
29.47	29.66	0.19	100Ca5Per 5Cl3Frc 5Bt3Frc	calcite-chlorite-biotite-sulphide vein
29.66	34.15	4.49	40Ca3Loc 20Cl3Loc	"zone with patchy, irregularly shaped, localised calcite-chlorite flooding (mineralised flood zones)"
34.15	34.60	0.45	50Ca5Per 40Cl4Per	calcite-flood zone with lower chlorite altered zone

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
29.48		cv		-1 OC	45	90	-99	cv- 45/90/	17.7cm
30.31		rv		-1 OC	63	49	-99	rv- 63/49/	2.3cm
31.24		xv		-1 OC	75	270	-99	xv- 75/270/	2.3cm
31.34		cv		-1 OC	66	100	-99	cv- 66/100/	7.6cm
31.49		cv		-1 OC	55	105	-99	cv- 55/105/	1.4cm

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
29.00	31.00	2.00	M978312	0.296	FA_AAS	5.9	0.1165	0.0334	0.0012	77.0	11.00	5.75	10	0	-1	-1	TR12182312	
31.00	33.00	2.00	M978313	0.348	FA_AAS	16.4	0.4550	0.4780	0.0015	50.0	17.10	8.32	14	0	1	-1	TR12182312	
33.00	34.72	1.72	M978314	0.522	FA_AAS	17.1	0.3310	0.0892	0.0012	112.0	18.05	10.65	10	0	1	-1	TR12182312	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-28 34.72 40 5.28 Msd100Shr

Purplish-brown, biotite metasediment typical of hole. Weakly bedded and strongly sheared. Intruded by various late-stage calcite-rich veins and vein arrays. Sulphide-bearing veins contain up to 90% pyrite > pyrrhotite with calcite and chlorite. Calcite flooding and sulphide veining increased towards the basal "contact" which is marked by a 6cm chlorite vein.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
34.60	36.00	1.40	20Bl4Frc 20Cl3Frc 5Ca3Frc	bleached and chlorite-rich envelopes around calcite +/- quartz veins and fracture fills
36.00	38.90	2.90	2Ca3Frc 4Cl3Frc	calcite veins and fracture fills with chlorite and chlorite alt halos
38.90	39.75	0.85	35Ca5Pat 5Cl1Loc	chlorite associated with calcite-floods

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
34.82		qv		-1 OC	50	325	-99	qv- 50/325/	1.0cm
36.63		s1		-1 OC	37	270	-99	s1- 37/270/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
34.72	36.47	1.75	M978316	0.020	FA_AAS	0.7	0.0166	0.0137	0.0001	83.0	6.31	0.45	3	0	-1	-1	TR12182312	
36.47	38.95	2.48	M978317	0.037	FA_AAS	1.1	0.0220	0.0143	0.0001	94.0	6.06	0.80	2	0	-1	-1	TR12182312	
38.95	40.69	1.74	M978318	0.182	FA_AAS	5.3	0.0708	0.0788	0.0002	131.0	11.15	3.20	3	0	-1	-1	TR12182312	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-28 40 40.69 0.69 Msd100Shr

Garnetiferous metasediment. Typical purplish-brown, fine grained metased with 10% coarse grained pale pink garnets.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
39.75	40.65	0.90	5CI5Loc	chlorite veins and thin alteration envelopes around calcite-veins

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
40.04		lv		-1 OC	31	140	-99 lv- 31/140/		6.4cm

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-28 40.69 46.63 5.94 MSs85Msv Msd15Shr

Typical garnetiferous metasediment with massive sulphide zones that occur as pyrite-dominated sulphides within calcite-chlorite rich gangue (or calcite-chlorite flooded zones).

40.69-41.10m: 75% sulphides + magnetite with pyrrhotite (60%), pyrite (40%), chalcopyrite (5%), arsenopyrite (5%) and magnetite. Arsenopyrite is concentrated at the bottom of the massive sulphide unit along with massive magnetite.

41.10-41.40m: calcite-chlorite flooded zone with 10% sulphides and 5% coarse garnet. Sulphides include pyrite > pyrrhotite

41.40-41.47m: metasediment with 5% pyrite-calcite-chlorite veins, mm-scale (veins contain 75-80% pyrite)

41.47-42.31m: 35% sulphides + magnetite in calcite-rich floods and stringers within the metasediment. Sulphides include pyrite (90%), pyrrhotite (10%) and trace chalcopyrite.

42.31-43.04m: metasediment with 3-5% pyrite-calcite-chlorite veins (mm-scale)

43.04-43.4m: 40% sulphides + magnetite within a calcite-chlorite gangue (floods and stringers). Sulphides are dominantly pyrite with trace pyrrhotite and chalcopyrite

43.4-44.40m: metasediment with trace pyrite-calcite-chlorite veins / stringers and patchy pyrite-calcite-chlorite mineralized zones

44.40-45.11m: 25% sulphides + magnetite within a calcite-chlorite gangue (floods and stringers), and finely disseminated pyrite outwardly dispersed from massive sulphide zones. Sulphides are dominantly pyrite with trace pyrrhotite and chalcopyrite

45.11-46.63m: metasediment with trace pyrite-calcite-chlorite veins / stringers and patchy pyrite-calcite-chlorite mineralized zones; sulphides increase downhole with large clots near sharp basal contact

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
40.65	41.40	0.75	10Ca4Pat 5Cl2Pat	MNZ with calcite-chlorite gangue
41.40	46.63	5.23	10Ca3Pat 10Cl3Loc	mineralized calcite-chlorite flooded zones; chlorite altered envelopes occur around calcite veins and stringers / fracture fills

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
41.38		ct		-1 OC	65	100		-99 ct- 65/100/	
42.02		s0		-1 OC	58	290		-99 s0- 58/290/	
42.23		qv		-1 OC	45	15		-99 qv- 45/15/	1.3cm
42.54		qv		-1 OC	70	50		-99 qv- 70/50/	0.5cm
43.90		qa		-1 OC	46	50		-99 qa- 46/50/	1.1cm

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
40.69	42.15	1.46	M978319	4.550	SFA_AAS	32.2	0.4980	0.2140	0.0013	23,100.0	22.30	11.15	10	1	3	-1	TR12182312	
42.15	44.35	2.20	M978320	5.770	SFA_AAS	26.0	0.4460	0.0256	0.0018	147.0	11.00	5.26	10	0	2	-1	TR12182312	
44.35	46.55	2.20	M978321	0.983	FA_AAS	9.2	0.1915	0.0161	0.0019	122.0	11.20	4.99	10	0	1	-1	TR12182312	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-28 46.63 47.59 0.96 MSs100Brx

Calcite + quartz + minor chlorite flood zone with 7-10% sulphides + magnetite. Sulphides include pyrite >> pyrrhotite > chalcopyrite. Core is not orientated, basal contact approx. 50 / 130 degrees TCA

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
46.63	47.59	0.96	90Qz5Per 10Ca5Pat 5Cl3Pat	quartz-vein

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
46.55	47.59	1.04	M978323	12.500	SFA_AAS	70.2	0.4790	0.2740	0.0004	429.0	10.95	3.94	5	0	3	-1	TR12185117	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-28 47.59 48.12 0.53 Msd100

Fault zone with broken, angular fragments of metasediments. Core not orientated - no measurements.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
47.59	48.12	0.53	5Cl3Frc	broken zone with chlorite + clay on fracture surfaces

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-28 48.12 48.22 0.1 MSs100Msv

Calcite + chlorite flooded zone with 35% sulphides, including pyrite (90%), pyrrhotite (3%), chalcopyrite (2%) and massive magnetite (5%). Trace, very fine grained, disseminated arsenopyrite may be present (observed very fine, hard, silvery mineral - may just be finely disseminated pyrite). Irregular contacts; with the basal contact controlled by the lower chlorite-altered gouge zone.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
48.12	48.22	0.10	25Ca5Pat 5Cl2Pat	MNZ

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-28 48.22 53.35 5.13 Msd100Shr

Typical purplish-brown, biotite metasediment. Unit is finely bedded and weakly sheared with calcite-chlorite flooded zones (little to no sulphides) and 2 degrees of localized chlorite-alteration. Chlorite alteration occurs as chlorite-altered envelopes around calcite fracture fills (or veins), and as more diffuse beds associated with larger calcite-flooded zones. Overall sulphide content is 2%, up to 5% locally in calcite-chlorite flood zones. Upper contact is marked by a gouge zone with strong chlorite alteration extending ~5cm into the wall rock.

48.22-48.35m: Strong chlorite alteration around gouge zone

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
48.22	48.28	0.06	100Cl5Per	chlorite around chlorite-rich gouge
48.28	48.60	0.32	100Bl3Per 10Cl3Loc	chl envelopes around veins; bleaching decreases away from gouge zone
48.60	50.00	1.40	15Ca4Pat 10Cl3Loc	chlorite associated with calcite floods and as alteration envelopes around calcite veins/fracture fills
50.00	52.35	2.35	5Ca3Frc 5Cl3Loc	chlorite associated with calcite floods and as alteration envelopes around calcite veins/fracture fills
52.35	53.66	1.31	85Ca5Per 5Cl3Loc	MNZ; chlorite associated with calcite floods and veins

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
51.64		s0		-1 OC	43	65	-99 s0-	43/65/	
52.34		xv		-1 OC	5	220	-99 xv-	5/220/	30.6cm

FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:
48.27	48.28	0.01	Gge		5 Gge5	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
47.59	49.31	1.72	M978324	0.741	FA_AAS	7.0	0.0978	0.0692	0.0006	100.0	10.80	3.52	7	0	1	-1	TR12185117	
49.31	51.75	2.44	M978325	0.058	FA_AAS	1.6	0.0505	0.0263	0.0001	81.0	8.89	3.31	5	0	0.01	-1	TR12185117	
51.75	53.75	2.00	M978326	0.035	FA_AAS	1.3	0.0261	0.0145	0.0001	33.0	9.65	1.72	7	0	0.01	-1	TR12185117	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-28 53.35 53.66 0.31 MSv100Msv

Upper, thin (1.5cm) calcite-chlorite-pyrite vein underlain by a wider mineralized calcite-chlorite flood zone (or edge of vein, upper and lower contacts are not parallel). Upper vein dipping eastward. Upper vein contains 1-2% pyrite; lower flood zone contains 25% sulphides, with pyrite (93%) and pyrrhotite (5%) and disseminated magnetite (2%).

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-28 53.66 66.03 12.37 Msd100Shr

Metasediment, same as above described biotite metasediment; bedded and sheared with zones of increased calcite flooding and associated chlorite alteration. Pyrite-rich veins and vein arrays also occur. Overall sulphide content = 3-5%, pyrite dominated. Increased calcite-flooding, calcite fracture infills or calcite-filled tension gashes with associated chlorite alteration occurs at various intervals (see alteration log for details).

56.41-56.75: Pyrite-calcite-chlorite vein array. Individual veins up to 2.5cm wide containing 70-80% pyrite. Core not orientated, veins approx. 60 degrees TCA.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
53.66	57.15	3.49	5Ca4Frc 5Cl3Loc	chlorite associated with calcite floods and as alteration envelopes around calcite veins/fracture fills
57.15	59.85	2.70	35Ca5Per 5Cl3Loc	chlorite associated with calcite floods and as alteration envelopes around calcite veins/fracture fills
59.85	60.75	0.90	3Ca4Frc 3Cl3Loc	chlorite associated with calcite floods and as alteration envelopes around calcite veins/fracture fills
60.75	61.95	1.20	40Ca5Per 5Cl2Loc	chlorite associated with calcite floods and as alteration envelopes around calcite veins/fracture fills
61.95	62.40	0.45	50Cl2Pat	chlorite alteration increased downhole
62.40	63.94	1.54	20Ca4Frc 60Cl2Per	chlorite also associated with calcite floods and as alteration envelopes around calcite veins/fracture fills
63.94	66.03	2.09	5Cl2Pat	chlorite also as alteration envelopes around calcite veins/fracture fills

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
59.33		qv		-1 OC	40	320	-99 qv-	40/320/	9.2cm
59.62		lv		-1 OC	55	310	-99 lv-	55/310/	0.4cm
61.38		cv		-1 OC	60	120	-99 cv-	60/120/	2.3cm
64.68		s0		-1 OC	70	170	-99 s0-	70/170/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
53.75	55.75	2.00	M978327	0.013	FA_AAS	0.3	0.0129	0.0089	0.0001	177.0	6.53	0.91	3	0	-1	-1	TR12185117	
55.75	57.75	2.00	M978328	0.224	FA_AAS	2.2	0.0332	0.0827	0.0002	119.0	7.62	3.19	5	0	1	-1	TR12185117	
57.75	60.75	3.00	M978329	0.457	FA_AAS	0.3	0.0092	0.0094	0.0002	91.0	6.52	0.68	3	0	0.01	-1	TR12185117	
60.75	63.75	3.00	M978331	0.057	FA_AAS	0.3	0.0116	0.0112	0.0002	82.0	6.21	1.18	3	0	-1	-1	TR12185117	
63.75	65.50	1.75	M978332	0.011	FA_AAS	0.3	0.0091	0.0085	0.0001	20.0	5.68	0.52	2	0	-1	-1	TR12185117	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-28 66.03 66.21 0.18 MSv100Msv

Quartz-calcite vein hosted massive sulphide with 15% sulphides + disseminated magnetite. Sulphides include pyrrhotite (87%), chalcopyrite (7%), pyrite (3%), hematite (3%) and magnetite (1%). Core not orientated.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
66.03	66.21	0.18	100Qz5Per	quartz-vein hosted MNZ

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
66.00		xv		-1 CA	40	-99	-99 xv-	40//	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-28 66.21 95.05 28.84 Msd100Shr

Metasediment, same as above described biotite metasediments; bedded and sheared with zones of increased calcite flooding and associated chlorite alteration, as well as chlorite veins. Overall sulphide content = trace to 3%, pyrite dominated. Increased calcite-flooding, calcite fracture infills or calcite-filled tension gashes with associated chlorite alteration occurs at various intervals (see alteration log for details). Basal contact is sharp and leached.

77.42m: Chlorite vein with white mica and calcite; bleached halo

78.9m: thin, mm-scale vein, chlorite + pyrite + white mica (sericite?) with bleached halo

79.55m: thin vein / healed fracture with medium grained arsenopyrite

88.9-89.13: brittle-ductile fault zone healed with calcite; 32% pyrite. 1cm pyrite vein at upper contact

89.70-90.15m: calcite-healed fracture running sub-parallel TCA with a chlorite alteration halo, patches of the chlorite halo contain up to 20% super-finely disseminated pyrite

94.25m: 2cm pyrrhotite-calcite vein dipping approx. NNW

94.70-95.05m: Calcite-chlorite-quartz vein; sharp contacts

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
66.21	67.35	1.14	40BI4Loc 40CI3Loc 20Ca2Pat	bleached + chlorite +/- calcite envelopes around calcite-healed fractures and calcite-chlorite veins
67.35	77.38	10.03	10Ca3Pat 15CI2Pat	weakly chlorite altered beds and chlorite associated with calcite floods and as alteration envelopes around calcite veins/fracture fills
77.38	77.53	0.15	100BI4Per 100CI3Per 100Ca1Per 1Sr3Loc	bleached + chlorite altered zone around a chlorite-white mica (sericite?) vein
77.53	79.00	1.47	15Ca3Pat 12CI3Pat 5BI5Loc 1Sr3Loc	chlorite associated with calcite floods and as alteration envelopes around calcite veins/fracture fills; bleaching around a chlorite + pyrite + white mica (sericite?) at 78.9m
79.00	84.55	5.55	5Ca3Frc 3CI1Loc	"little alteration, very weak chlorite alt around calcite-healed fractures and veins"
84.55	84.95	0.40	40BI3Frc 40CI1Frc 10Ca1Frc	
84.95	85.34	0.39	40Ca1Pat	"little to no alteration, calcite present matrix"
85.34	85.57	0.23	85Ca3Per	
85.57	86.55	0.98	60CI1Per	
86.55	86.84	0.29	90Ca4Per 100BI1Per 2CI2Loc	weak chlorite alt around calcite-healed fractures and veins
86.84	88.90	2.06	2CI1Loc	very weak chlorite alt around calcite-healed fractures and veins
88.90	89.13	0.23	90Ca3Per	calcite-healed sheared / faulted zone
89.13	93.00	3.87	15CI3Pat 5Ca2Pat	chlorite alt envelopes / halos around calcite-flood zones and calcite-healed fractures and veins
93.00	94.37	1.37	15Ca4Pat 12CI3Loc	moderate chlorite alt around calcite-healed fractures and floods
94.37	95.15	0.78	85Ca5Per 15CI5Per	Calcite-chlorite vein

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
66.20		xv		-1 CA	30	-99	-99 xv-	30//	
68.05		qv		-1 OC	9	200	-99 qv-	9/200/	0.6cm
68.66		jn		-1 OC	7	93	-99 jn-	7/93/	Healed
68.94		s0		-1 OC	71	340	-99 s0-	71/340/	
71.32		ca		-1 OC	56	275	-99 ca-	56/275/	0.1cm
73.60		cv		-1 OC	60	60	-99 cv-	60/60/	4.1cm
76.89		s0		-1 OC	44	285	-99 s0-	44/285/	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
77.41		lv		-1 OC	30	325		-99 lv- 30/325/	
79.85		jn		-1 OC	50	220		-99 jn- 50/220/	
81.41		qv		-1 OC	36	90		-99 qv- 36/90/	
81.62		ca		-1 OC	73	100		-99 ca- 73/100/	1.5cm
85.90		s0		-1 OC	75	270		-99 s0- 75/270/	
91.91		ca		-1 OC	50	80		-99 ca- 50/80/	
94.36		cv		-1 OC	40	285		-99 cv- 40/285/	

FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:
68.26	68.32	0.06	Brh		4 Brh4	
88.90	89.12	0.22	SFh		3 SFh3	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
65.50	66.75	1.25	M978333	0.143	FA_AAS	13.5	0.3570	0.0458	0.0001	34.0	7.11	2.36	1	0	2	-1	TR12185117	
66.75	68.75	2.00	M978334	0.024	FA_AAS	0.3	0.0071	0.0078	0.0001	45.0	5.05	0.62	2	0	-1	-1	TR12185117	
68.75	71.75	3.00	M978335	0.012	FA_AAS	0.3	0.0042	0.0061	0.0001	72.0	4.56	0.27	1	0	-1	-1	TR12185117	
71.75	74.75	3.00	M978336	0.015	FA_AAS	0.3	0.0050	0.0066	0.0001	79.0	5.69	0.42	1	0	-1	-1	TR12185117	
74.75	77.00	2.25	M978337	0.026	FA_AAS	0.3	0.0079	0.0080	0.0001	67.0	7.06	0.95	2	0	-1	-1	TR12185117	
77.00	79.00	2.00	M978338	0.014	FA_AAS	0.3	0.0047	0.0064	0.0002	79.0	4.64	0.37	3	0	-1	-1	TR12185117	
79.00	81.00	2.00	M978339	0.010	FA_AAS	0.3	0.0033	0.0064	0.0001	428.0	5.16	0.22	1	1	-1	-1	TR12185117	
81.00	84.00	3.00	M978340	0.006	FA_AAS	0.3	0.0051	0.0064	0.0002	26.0	4.65	0.28	1	0.01	-1	-1	TR12185117	
84.00	86.00	2.00	M978341	0.016	FA_AAS	0.3	0.0099	0.0065	0.0003	30.0	5.30	0.59	4	0	-1	-1	TR12185117	
86.00	88.50	2.50	M978342	0.014	FA_AAS	0.3	0.0073	0.0275	0.0001	24.0	5.85	0.32	3	0	-1	-1	TR12185117	
88.50	90.50	2.00	M978343	0.034	FA_AAS	0.3	0.0074	0.0082	0.0001	25.0	5.89	0.93	5	0	-1	-1	TR12185117	
90.50	93.25	2.75	M978344	0.103	FA_AAS	0.3	0.0097	0.0201	0.0001	7.0	7.50	0.59	2	0	-1	-1	TR12185117	
93.25	95.00	1.75	M978346	1.315	FA_AAS	3.0	0.0260	0.0985	0.0005	10.0	7.41	1.47	1	0	-1	-1	TR12185117	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-28 95.05 96.36 1.31 MSs85Msv Msd15Shr

Structurally controlled massive sulphide zones within the purplish-brown, biotitic metasediment. 2cm leached upper contact.

Massive sulphides occur ad 75-85% sulphides within a calcite-chlorite gangue. Sulphides are predominantly pyrite (85%) with pyrrhotite (10%), chalcopyrite (~2%) and disseminated magnetite (3-5%, fine to coarse grained).
 Massive sulphides occur at the following depths:

- 95.05-95.46m: 85% sulphide
- 95.60-95.65m: 75% sulphide
- 95.65-95.71m: 5% disseminated magnetite, coarse
- 95.71-95.80m: 75% sulphide
- 95.83-95.88m: 85% sulphide
- 93.10-96.36m: 75% sulphide

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
95.15	96.40	1.25	25Ca5Pat	MNZ's in a calcite gangue

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
95.03		ct		-1 OC	65	240		-99 ct- 65/240/	
95.45		ct		-1 OC	50	75		-99 ct- 50/75/	
96.10		ct		-1 OC	70	30		-99 ct- 70/30/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
95.00	96.40	1.40	M978347	9.080	SFA_AAS	8.8	0.1460	0.0362	0.0025	59.0	29.20	25.70	40	0	2	-1	TR12185117	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-28 96.36 104.62 8.26 Msd60Shr Msd40Shr

Metasediments characterized by a series of fining upward sequences. Basal, medium grained beds are more biotite-rich and calcite-rich, finer sequences are weakly chlorite altered (and trending towards argillite). Internal contacts between the graded beds are sharp, internal bedding dips in a northerly direction. Veining and flooding are typical of the hole, with sections of increased calcite-healed fractures, calcite-filled tension gashes and occasional calcite-chlorite flooding. Weak chlorite alteration occurs around calcite-healed fractures and veins. Overall sulphide content is trace up to 5% locally, with most sulphides (pyrite dominated) concentrated in veins and in chlorite-alteration envelopes. Pyrite-calcite veins are generally coincident with bedding and dip N(NW) (refer to structural log for detailed and refined measurements). Late-stage calcite veins with 3-10% pyrite are steeper dip in a westerly direction.

98.04m: 5cm quartz-vein with pyrite + pyrrhotite (5%)

98.21m: 1cm calcite vein with 10% pyrite

101.72m: 2cm calcite-chlorite healed fracture with 3% pyrite + chalcopyrite

103.0m: 5cm calcite-flood, vuggy, with 50% coarse pyrite

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
96.40	103.77	7.37	50Cl2Pat 5Ca3Pat	"fining up sequences, finer sequences are weakly chlorite altered; very weak chlorite alt around calcite-healed fractures and veins; occasional calcite-flooded zone with increased calcite in coarser beds"
103.77	103.90	0.13	95Ca5Per 5Cl3Pat	
103.90	104.63	0.73	35Cl2Pat 1Ca3Loc	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
96.36		ct		-1 OC	56	40	-99	ct- 56/40/	
97.35		qv		-1 OC	55	220	-99	qv- 55/220/	
98.04		qv		-1 OC	76	340	-99	qv- 76/340/	
98.16		cv		-1 OC	45	70	-99	cv- 45/70/	with Py
98.32		s1		-1 OC	49	20	-99	s1- 49/20/	
100.78		s0		-1 OC	88	50	-99	s0- 88/50/	
102.16		rv		-1 OC	76	40	-99	rv- 76/40/	
102.26		s0		-1 OC	88	100	-99	s0- 88/100/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
96.40	98.15	1.75	M978348	0.159	FA_AAS	0.8	0.0068	0.0226	0.0001	27.0	5.89	0.61	4	0	-1	-1	TR12185117	
98.15	100.15	2.00	M978349	0.042	FA_AAS	0.3	0.0035	0.0200	0.0001	44.0	5.13	0.30	3	0	-1	-1	TR12185117	
100.15	103.15	3.00	M978350	0.191	FA_AAS	0.8	0.0182	0.0153	0.0001	25.0	5.84	0.80	5	0	0.01	-1	TR12185117	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-28 104.62 110.9 6.28 Arg100Bdf

Dark grey-green argillite. Finely bedded with weak chlorite alteration. Veining and calcite flooding is typical of hole, with calcite-healed fractures and tension cracks throughout as well as occasional, localized calcite-chlorite flood zones. Sulphides occur as veins and within calcite-chlorite floods / veins. Pyrite is dominant. Total sulphides = trace - 5%, with up to 40% locally in calcite-flooded zones. Upper contact is broken. Lower contact is gradational with a gradual increase in grain-size towards the typical purplish-brown metasediment and "contact" is marked by a pyrite vein array.

107.9-108.109m: irregularly shaped (50%) calcite flood with 40% pyrite within the flood

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
104.63	112.09	7.46	5Ca2Loc 2BI2Loc	localized bleaching around calcite-healed fracture

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
107.09		qv		-1 OC	40	220		-99 qv- 40/220/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
103.15	106.15	3.00	M978352	0.034	FA_AAS	0.3	0.0084	0.0061	0.0001	7.0	5.44	0.62	4	0	-1	-1	TR12185117	
106.15	109.15	3.00	M978353	0.032	FA_AAS	0.3	0.0068	0.0063	0.0001	15.0	5.17	0.68	4	0	-1	-1	TR12185117	
109.15	111.15	2.00	M978354	0.023	FA_AAS	0.3	0.0081	0.0061	0.0001	11.0	5.88	0.65	5	0	-1	-1	TR12185117	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-28 110.9 113.14 2.24 Msd100Shr

Typical purplish-brown, biotitic metasediment. Calcite flooding and pyrite increase downhole.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
112.09	113.15	1.06	2CI2Loc	weak chlorite alt around calcite-healed fractures

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
110.88		pa		-1 OC	55	75		-99 pa- 55/75/	
111.21		xv		-1 OC	35	290		-99 xv- 35/290/	
111.89		cv		-1 OC	30	85		-99 cv- 30/85/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
111.15	112.90	1.75	M978355	0.042	FA_AAS	0.5	0.0253	0.0077	0.0001	8.0	9.32	1.62	4	0	0.01	-1	TR12185117	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-28 113.14 118.16 5.02 Msd100Brx

Typical metasediment with a marked increase in calcite-quartz-chlorite flooding (approx. 50%). Zone is borderline brecciated by the flooding, but does not present the typical "brecciated" texture - more veined. Increased sulphide content in comparison to typical metasediment intersections, with predominantly pyrite occurring as semi-massive accumulations at the borders of Qcc flood zones, and finely disseminated within chlorite-altered envelopes, as well as in pyrite-rich veins. 5-7% total sulphides, with trace-1% pyrrhotite. Magnetite also occurs as fine disseminations and less often semi-massive bands associated with the pyrite. Flood zones are irregularly shaped and structural measurements are confined to quartz and quartz-calcite veins (see structure log).

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
113.15	118.16	5.01	40Ca5Pat 25Cl4Loc	"intense, patchy calcite-flooding, minor quartz"

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
113.15		cv		-1 OC	25	5	-99	cv- 25/5/	
114.21		cv		-1 OC	20	45	-99	cv- 20/45/	
115.40		pv		-1 OC	67	75	-99	pv- 67/75/	
117.60		qv		-1 OC	80	52	-99	qv- 80/52/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
112.90	115.52	2.62	M978356	0.078	FA_AAS	0.8	0.0226	0.0187	0.0003	10.0	8.47	1.93	5	0	-1	-1	TR12185117	
115.52	118.16	2.64	M978357	0.716	FA_AAS	3.1	0.0560	0.0381	0.0004	14.0	9.40	2.33	6	0	0.01	-1	TR12185117	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-28 118.16 119 0.84 Msd100Shr

Metasediments, typical of hole, with minor calcite-chlorite-pyrite veining.

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-28 119 125.8 6.8 Msd90Brx Arg10Brx

FAULT ZONE

Broken, fault zone within purplish-brown metasediment, garnetiferous metasediments, and minor argillitic beds. Strongly faulted with sections of angular, pebble-sized fragments, sections of competent core up to 20cm long, and occasional sections of 100% clay gouge. Metasediments are variably altered, with patchy, strong chlorite alteration and rare calcite-chlorite flooding. Metasediments are sometimes vuggy in appearance, likely due to leaching. Veins are rare and dominantly vuggy (or leached) pyrite veins.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
118.16	122.00	3.84	3Cl3Frc	top of fault zone
122.00	125.75	3.75	10Cl5Frc 5Ca3Frc	"broken / faulted zone with patchy, strong chlorite alteration; clay on fracture surfaces"

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
118.16	121.05	2.89	M978358	0.044	FA_AAS	0.3	0.0116	0.0080	0.0001	11.0	7.67	1.13	3	0	-1	-1	TR12185117	
121.05	124.00	2.95	M978359	0.068	FA_AAS	0.5	0.0087	0.0103	0.0001	39.0	10.10	1.74	3	0	-1	-1	TR12185117	
124.00	125.75	1.75	M978361	0.404	FA_AAS	0.7	0.0113	0.0086	0.0003	37.0	7.44	1.10	2	0	-1	-1	TR12185117	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-28 125.8 127.2 1.4 MSs100Msv

Massive sulphide, 30% sulphides, in a quartz-chlorite flooded zone with coarse-grained purple-pink garnets (3%). Sulphides include pyrite (65%), pyrrhotite (30%), chalcopyrite (5%) and trace-1% disseminated magnetite. Unit occurs within the fault zone, but is less broken than the surrounding metasediments, and is intruded by fine, hard, tan-yellowish stringers. Contacts are broken; core not orientated.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
125.75	127.20	1.45	90Qz5Per 10Cl4Per	MNZ in a quartz + chlorite flood zone

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
125.75	127.20	1.45	M978362	20.500	SFA_AAS	36.3	0.3800	0.0467	0.0011	164.0	20.50	13.20	20	0	3	-1	TR12185117	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-28 127.2 142.4 15.2 Msd100Brx

FAULT ZONE CONTINUED

Same as above, broken, fault zone within purplish-brown metasediment. Increased leaching / vuggy appearance to the rock. Strongly faulted with sections of angular, pebble-sized fragments, sections of competent core up to 20cm long, and occasional sections of 100% clay gouge. Metasediments are variably altered, with patchy, strong chlorite alteration and rare calcite-chlorite flooding.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
127.20	140.75	13.55	10Cl4Frc 5Ca3Frc	"broken / faulted zone with patchy, strong chlorite alteration; clay on fracture surfaces"
140.75	142.40	1.65	40Cl4Frc	

FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:
119.00	150.39	31.39	Fto		5 Fto5	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
127.20	129.20	2.00	M978363	0.960	FA_AAS	2.9	0.0266	0.0091	0.0003	19.0	8.01	0.83	1	0	-1	-1	TR12185117	
129.20	132.10	2.90	M978364	0.217	FA_AAS	0.9	0.0217	0.0079	0.0005	26.0	6.40	0.80	1	0	-1	-1	TR12185117	
132.10	135.00	2.90	M978365	0.023	FA_AAS	0.3	0.0094	0.0108	0.0001	18.0	6.17	0.80	1	0	-1	-1	TR12185117	
135.00	138.00	3.00	M978366	0.028	FA_AAS	0.3	0.0108	0.0100	0.0002	48.0	6.46	1.12	2	0	-1	-1	TR12189789	
138.00	141.00	3.00	M978367	0.024	FA_AAS	0.3	0.0097	0.0083	0.0001	70.0	5.77	0.59	1	0	-1	-1	TR12189789	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-28 142.4 150.55 8.15 Sst70Brx Slt30Brx

FAULT ZONE CONTINUED

Texture: Brecciated = broken / faulted

Weakly metamorphosed, interbedded sandstone (greywacke) and siltstone units (m-scale beds). Sandstone units are weakly graded, grain supported, moderately poorly sorted, fine to coarse grained, with SR-A grains of quartz > feldspar > lithics, in a variably altered matrix purple or green matrix. Finer-grained siltstones are chlorite altered. Contacts between the beds are obscured by broken zones.

144.6-150.55m: decreased fault-related broken zones; increased quartz-chlorite veining and "vuggy" fracture infills.

Fault zone ends at 150.55m.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
142.40	144.60	2.20	100Cl1Per	
144.60	145.70	1.10	100Cl3Per	
145.70	147.18	1.48	100Ca1Per 10Cl2Pat	
147.18	149.00	1.82	100Bl2Per 10Cl3Frc 50Ca1Pat	bleached zone around increased quartz-chlorite veining and fracture fills
149.00	150.55	1.55	50Cl1Pat	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
147.33		qa		-1 CA	20	-99	-99	qa- 20//	
148.00		qv		-1 CA	25	-99	-99	qv- 25//	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
141.00	144.00	3.00	M978368	0.006	FA_AAS	0.3	0.0052	0.0058	0.0001	46.0	4.22	0.24	0.01	0	-1	-1	TR12189789	
144.00	147.00	3.00	M978369	0.031	FA_AAS	0.3	0.0093	0.0048	0.0001	31.0	4.13	0.21	1	0	-1	-1	TR12189789	
147.00	149.00	2.00	M978370	0.003	FA_AAS	0.3	0.0027	0.0050	0.0001	29.0	4.25	0.13	0.01	0	-1	-1	TR12189789	
149.00	151.00	2.00	M978371	0.003	FA_AAS	0.3	0.0037	0.0045	0.0001	48.0	3.89	0.33	0.01	0	0.01	-1	TR12189789	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-28 150.55 224 73.45 Mud50Shr Sst40Shr Slt10Shr

Top of unit = end of large fault zone.

Interbedded and weakly metamorphosed mudstone (some units = argillite), sandstone (grey wacke), and occasional siltstone units, bedding cm- to m-scale. Individual beds are massive to weakly graded and contacts between the sandstone beds and finer grained beds are sharp. Some sandstone-mudstone contacts show soft-sediment deformation and load structures. Abundance of mudstone / argillite increases downhole; notable change to dominantly mudstone/argillite at approx. 175.9m; above that sandstone dominates. Unit is variably altered and sheared, with several zones of shearing and healed ductile-brittle failure. Sulphides are rare and occur in localized veins and chlorite altered pods, usually associated with shearing or faulting. Local development of S1 fabric increases downhole; S1 sometimes wavy suggesting weak secondary deformation. Unit is intruded by trace up to 5% quartz, quartz-chlorite, quartz-calcite-chlorite, and chlorite veins, stringers and fracture fills commonly with weak to moderate chlorite-alteration envelopes (mm-scale).

Sandstone / wacke is as described above, biotite-rich, with occasional beds trending towards conglomeratic. Sometimes chlorite altered.

Siltstone is as described above and sometimes weakly chlorite altered. Siltstone and mudstone are intercalated or occur in gradational beds.

Mudstone to argillite is more often chlorite altered than the coarser units and finely bedded with textures evident of soft-sediment deformation.

162.3-162.52m: calcite-chlorite healed brecciated zone, irregular shape (may have hit edge of zone)

163.97-164.06m: Quartz vein with biotite along basal contact

165.7-165.8m: abundant pyrite-rich stringers at various angles TCA

188.31-189m: broken zone

195.0m: S0 / S1 steepen

206-206.85m: broken zone

220.6 - 222.96m: broken zone

222.96-224m: S0 / S1 sub-parallel TCA

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
150.55	153.32	2.77	100Ca1Per 15Cl1Pat	
153.32	153.50	0.18	5Cl3Frc	
153.50	154.00	0.50	100Ca1Per	
154.00	154.50	0.50	5Cl2Frc	
154.50	155.26	0.76	100Ca1Per 10Cl2Pat	chlorite alteration increases downhole
155.26	157.00	1.74	15Cl3Frc 50Cl2Per	
157.00	158.17	1.17	100Ca1Per	
158.17	159.96	1.79	60Cl2Per	chlorite decreases downhole
159.96	161.15	1.19	2Cl1Frc	
161.15	162.83	1.68	100Ca1Per 5Cl2Frc	
162.83	163.96	1.13	90Cl1Per	
163.96	164.06	0.10	100Qz5Per 2Bt2Loc	quartz vein; biotite at lower contact of vein
164.06	165.10	1.04	25Cl2Pat	
165.10	165.90	0.80	90Cl3Per	chl also fracture controlled and within quartz-chlorite healed fractures; zone centered around pyrite-rich stringers
165.90	167.12	1.22	5Cl2Frc	
167.12	167.95	0.83	100Cl3Per	
167.95	169.00	1.05	25Cl3Pat	
169.00	181.50	12.50	10Cl2Frc	
181.80	185.00	3.20	40Cl3Frc 20Bl2Frc	chl fracture controlled and pervasive
185.00	188.21	3.21	5Cl2Frc	
188.21	189.00	0.79	50Bl1Per	weak bleaching around broken zone
189.00	191.00	2.00	100Ca1Per	

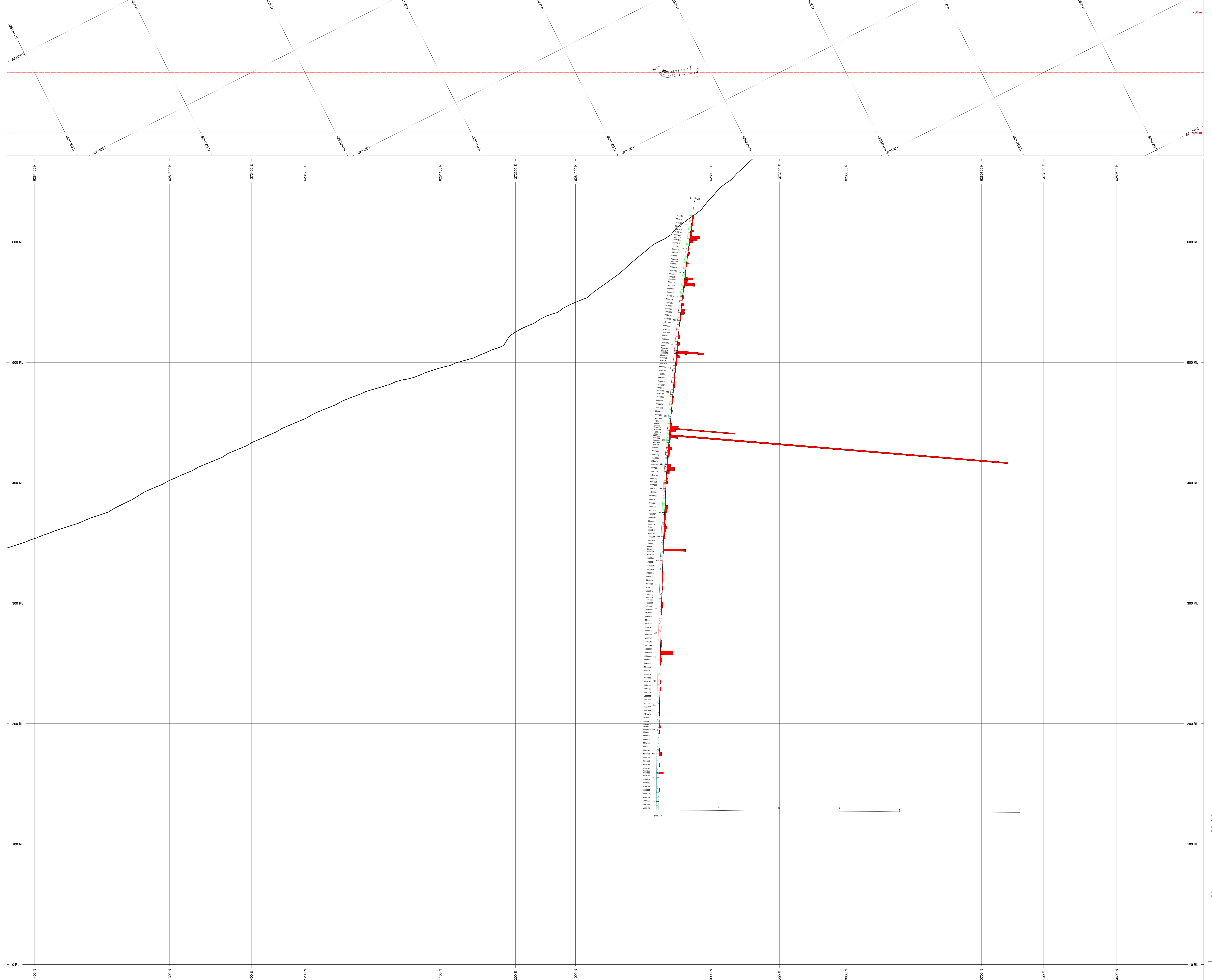
FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
191.00	192.80	1.80	5Cl2Frc	
192.80	193.00	0.20	60Cl4Frc 60Qz5Per 40Bl2Per	quartz-chlorite vein with bleached envelope
193.00	197.45	4.45	10Cl3Sto	
197.45	199.00	1.55	90Ca1Per	
199.00	201.00	2.00	5Cl2Frc 5Cl3Pat	
201.00	201.45	0.45	40Cl4Frc 50Bl2Frc	
201.45	203.60	2.15	1Cl1Frc	
203.60	204.80	1.20	20Cl3Frc 30Bl2Frc	
204.80	206.20	1.40	100Cl4Per 20Ca2Pat	
206.20	208.60	2.40	15Cl3Frc 20Bl2Frc	
208.60	212.40	3.80	1Cl1Frc	
212.40	213.00	0.60	5Bl3Frc	bleached envelope around a healed fault (1/5) running sub-parallel TCA
213.00	215.95	2.95	2Cl1Frc	
215.95	216.10	0.15	75Cl3Per 75Bl3Per	"bleached, chl-alt zone around mm-scale calcite+pyrrhotite vein"
216.10	219.40	3.30	5Cl2Frc	
219.40	219.70	0.30	15Cl3Frc 20Bl3Frc	
219.70	221.50	1.80	5Cl2Frc	
221.50	221.58	0.08	85Bl4Per 80Cl4Per	intense bleached chlorite altered zone around a qcc vein within fault / broken zone
221.58	224.00	2.42		little to no alteration beyond chlorite and clay on fracture surfaces

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
152.14		cv		-1 OC	45	30	-99	cv- 45/30/	
153.18		qv		-1 OC	9	120	-99	qv- 9/120/	
155.26		ct		-1 OC	80	160	-99	ct- 80/160/	
155.74		qv		-1 OC	25	230	-99	qv- 25/230/	
161.71		qa		-1 OC	55	260	-99	qa- 55/260/	
162.20		s0		-1 OC	45	310	-99	s0- 45/310/	
162.33		ct		-1 OC	45	160	-99	ct- 45/160/	
164.06		qv		-1 OC	45	45	-99	qv- 45/45/	
165.29		ct		-1 OC	43	320	-99	ct- 43/320/	
165.60		qv		-1 OC	25	305	-99	qv- 25/305/	
166.31		qa		-1 OC	19	80	-99	qa- 19/80/	
169.75		cv		-1 OC	72	230	-99	cv- 72/230/	
172.84		xv		-1 OC	30	290	-99	xv- 30/290/	
174.16		qa		-1 OC	37	330	-99	qa- 37/330/	
174.53		s0		-1 OC	35	265	-99	s0- 35/265/	
175.59		s1		-1 OC	30	270	-99	s1- 30/270/	
178.37		lv		-1 OC	35	290	-99	lv- 35/290/	
178.78		lv		-1 OC	30	235	-99	lv- 30/235/	
181.85		qa		-1 OC	24	50	-99	qa- 24/50/	
181.95		qa		-1 OC	76	180	-99	qa- 76/180/	
184.22		xv		-1 OC	5	260	-99	xv- 5/260/	
184.67		ca		-1 OC	35	200	-99	ca- 35/200/	
185.07		cv		-1 OC	8	130	-99	cv- 8/130/	
185.26		s0		-1 OC	37	95	-99	s0- 37/95/	
187.35		cv		-1 OC	30	200	-99	cv- 30/200/	
192.92		qv		-1 OC	47	235	-99	qv- 47/235/	
195.06		s1		-1 OC	50	160	-99	s1- 50/160/	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
195.74		cv	-1	OC	40	210	-99	cv- 40/210/	
196.43		xv	-1	OC	45	240	-99	xv- 45/240/	
197.78		cv	-1	OC	31	140	-99	cv- 31/140/	
197.91		lv	-1	OC	30	270	-99	lv- 30/270/	
198.63		xv	-1	OC	55	230	-99	xv- 55/230/	
198.72		xv	-1	OC	30	60	-99	xv- 30/60/	
209.55		qv	-1	OC	50	215	-99	qv- 50/215/	
210.91		lv	-1	OC	34	270	-99	lv- 34/270/	
215.90		s0	-1	OC	30	335	-99	s0- 30/335/	
216.88		qv	-1	OC	48	50	-99	qv- 48/50/	
217.43		qa	-1	OC	12	290	-99	qa- 12/290/	

FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:
160.66	161.56	0.90	SFh		3 SFh3	
170.27	170.29	0.02	Fth		2 Fth2	
175.81	175.84	0.03	Fth		3 Fth3	
212.31	214.64	2.33	Fth		1 Fth1	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
151.00	154.00	3.00	M978372	0.009	FA_AAS	0.3	0.0052	0.0049	0.0001	24.0	3.92	0.32	0.01	0	0.01	-1	TR12189789	
154.00	157.00	3.00	M978373	0.013	FA_AAS	0.3	0.0031	0.0062	0.0002	50.0	4.44	0.21	0.01	0	-1	-1	TR12189789	
157.00	159.50	2.50	M978374	0.007	FA_AAS	0.3	0.0237	0.0055	0.0001	11.0	4.64	0.73	0.01	0	-1	-1	TR12189789	
159.50	161.25	1.75	M978376	0.003	FA_AAS	0.3	0.0108	0.0054	0.0001	31.0	4.50	0.38	1	0	0.01	-1	TR12189789	
161.25	163.25	2.00	M978377	0.009	FA_AAS	0.3	0.0044	0.0086	0.0001	58.0	4.64	0.15	0.01	0	-1	-1	TR12189789	
163.25	165.25	2.00	M978378	0.036	FA_AAS	0.3	0.0236	0.0073	0.0001	84.0	6.42	0.86	0.01	0	0.01	-1	TR12189789	
165.25	167.25	2.00	M978379	0.012	FA_AAS	0.3	0.0055	0.0061	0.0001	65.0	5.11	0.25	1	0	0.01	-1	TR12189789	
167.25	170.25	3.00	M978380	0.005	FA_AAS	0.3	0.0068	0.0054	0.0001	64.0	4.65	0.20	0.01	0	-1	-1	TR12189789	
170.25	173.25	3.00	M978381	0.017	FA_AAS	0.3	0.0101	0.0053	0.0001	9.0	4.74	0.33	0.01	0	-1	-1	TR12189789	
173.25	176.25	3.00	M978382	0.020	FA_AAS	0.3	0.0178	0.0058	0.0001	10.0	5.38	0.59	0.01	0	0.01	-1	TR12189789	
176.25	179.25	3.00	M978383	0.009	FA_AAS	0.3	0.0056	0.0057	0.0001	19.0	5.11	0.23	0.01	0	-1	-1	TR12189789	
179.25	182.00	2.75	M978384	0.006	FA_AAS	0.3	0.0069	0.0060	0.0001	13.0	4.84	0.23	0.01	0	-1	-1	TR12189789	
182.00	183.75	1.75	M978385	0.003	FA_AAS	0.3	0.0112	0.0059	0.0001	9.0	4.92	0.38	0.01	0	0.01	-1	TR12189789	
183.75	185.25	1.50	M978386	0.006	FA_AAS	0.3	0.0281	0.0059	0.0001	14.0	5.80	1.04	2	0	0.01	-1	TR12189789	
185.25	187.25	2.00	M978387	0.006	FA_AAS	0.3	0.0121	0.0060	0.0001	10.0	4.95	0.25	0.01	0	-1	-1	TR12189789	
187.25	189.25	2.00	M978388	0.018	FA_AAS	0.3	0.0146	0.0057	0.0002	22.0	4.98	0.26	0.01	0	0.01	-1	TR12189789	
189.25	192.25	3.00	M978389	0.023	FA_AAS	0.3	0.0080	0.0067	0.0001	7.0	5.29	0.32	0.01	0	-1	-1	TR12189789	
192.25	195.25	3.00	M978391	0.017	FA_AAS	0.3	0.0138	0.0059	0.0001	2.5	4.88	0.21	0.01	0	0.01	-1	TR12189789	
195.25	198.25	3.00	M978392	0.071	FA_AAS	0.3	0.0180	0.0063	0.0001	10.0	5.03	0.31	0.01	0	0.01	-1	TR12189789	
198.25	200.50	2.25	M978393	0.100	FA_AAS	0.3	0.0324	0.0067	0.0001	15.0	5.30	0.38	0.01	0	-1	-1	TR12189789	
200.50	202.75	2.25	M978394	0.585	FA_AAS	0.3	0.0029	0.0072	0.0001	36.0	5.52	0.12	0.01	0	-1	-1	TR12189789	
202.75	205.00	2.25	M978395	0.011	FA_AAS	0.3	0.0033	0.0079	0.0001	46.0	6.01	0.11	0.01	0	-1	-1	TR12189789	
205.00	207.00	2.00	M978396	0.054	FA_AAS	0.3	0.0036	0.0091	0.0001	74.0	7.25	0.34	0.01	0	-1	-1	TR12189789	
207.00	210.00	3.00	M978397	0.007	FA_AAS	0.3	0.0084	0.0053	0.0001	7.0	4.89	0.23	0.01	0	-1	-1	TR12189789	
210.00	213.00	3.00	M978398	0.005	FA_AAS	0.3	0.0118	0.0059	0.0001	6.0	5.27	0.21	0.01	0	-1	-1	TR12189789	
213.00	216.00	3.00	M978399	0.003	FA_AAS	0.3	0.0108	0.0058	0.0001	8.0	5.08	0.22	0.01	0	-1	-1	TR12189789	
216.00	219.00	3.00	M978401	0.003	FA_AAS	0.3	0.0098	0.0057	0.0001	7.0	4.92	0.22	0.01	0	-1	-1	TR12189789	
219.00	221.50	2.50	M978402	0.003	FA_AAS	0.3	0.0144	0.0058	0.0001	5.0	5.12	0.35	1	0	-1	-1	TR12189789	
221.50	224.00	2.50	M978403	0.003	FA_AAS	0.3	0.0079	0.0077	0.0001	6.0	5.00	0.12	0.01	0	-1	-1	TR12189789	



TOPOGRAPHY

DEM	LR	COL
DEM	LR	COL

ROCK CODES

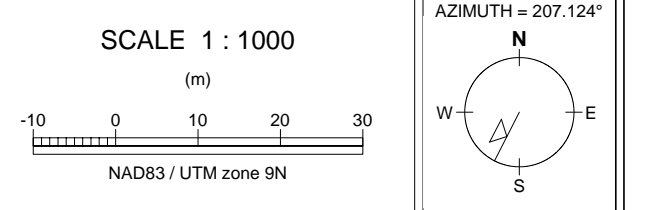
LR	PAT	DESCRIPTION
DR	DR	Diorite
GR	GR	Gneiss
MR	MR	Mylonite
OR	OR	Orthogneiss
SR	SR	Schist
TR	TR	Tuff
UR	UR	Unconsolidated Material
VR	VR	Volcanic Rock
WR	WR	Welded Tuff
XR	XR	Xenolith
YR	YR	Yielded Material
ZR	ZR	Zirconium

POSTED TEXT

LR	TEXT	ITEMS
LR <td>TEXT</td> <td>ITEMS</td>	TEXT	ITEMS

SECTION SPECS:

REF. HT. E. N. 373200 E 620000 N
 EXTENTS 394 m 22.3 m
 SECTION TOP BOT 668.1 m -22.3 m
 TOLERANCE ± 50 m



IskutGold Corp (SGG.TSX)
 Iskut Property (SG12-29)
 37326E SECTION
 Cross-Section: 28200BE



HOLE-ID: **SG12-29**
 UTM East: 373,233.00
 UTM North: 6,280,913.00
 Elevation: 620.00
 Length (m): 507.15
 ZONE: Snip-Bronson
 Collar CrossSection:

Drill Company: NoLimitDrilling
 Logged By:
 Operator:
 Purpose:
 Casing:
 Year: 2012
 Proposed HID: PSB2_01

DISTANCE:	AZIMUTH:	DIP:	SURVEYTYPE:	COMMENTS:
190.00	19.80	-85.20	ReflexGyro	
0.00	31.50	-82.30	ReflexGyro	
135.00	14.50	-84.50	ReflexGyro	
140.00	15.60	-84.70	ReflexGyro	
145.00	16.20	-84.70	ReflexGyro	
150.00	16.70	-84.70	ReflexGyro	
155.00	17.90	-84.80	ReflexGyro	
160.00	17.10	-84.90	ReflexGyro	
165.00	17.90	-85.00	ReflexGyro	
170.00	17.50	-85.10	ReflexGyro	
175.00	19.30	-85.20	ReflexGyro	
125.00	13.50	-84.50	ReflexGyro	
185.00	19.20	-85.10	ReflexGyro	
120.00	14.70	-84.20	ReflexGyro	
195.00	20.30	-85.30	ReflexGyro	
200.00	21.20	-85.40	ReflexGyro	
205.00	22.50	-85.50	ReflexGyro	
210.00	23.30	-85.70	ReflexGyro	
215.00	28.20	-86.10	ReflexGyro	
220.00	31.20	-86.30	ReflexGyro	
225.00	32.40	-86.40	ReflexGyro	
230.00	34.00	-86.60	ReflexGyro	
235.00	36.20	-86.90	ReflexGyro	
240.00	36.90	-86.90	ReflexGyro	
180.00	19.30	-85.20	ReflexGyro	
65.00	16.60	-82.90	ReflexGyro	
5.00	20.90	-82.70	ReflexGyro	
10.00	17.50	-82.70	ReflexGyro	
15.00	17.50	-82.60	ReflexGyro	
20.00	18.20	-82.60	ReflexGyro	
25.00	18.80	-82.50	ReflexGyro	
30.00	19.20	-82.50	ReflexGyro	
35.00	19.80	-82.50	ReflexGyro	
40.00	18.80	-82.50	ReflexGyro	
45.00	18.10	-82.60	ReflexGyro	

DISTANCE:	AZIMUTH:	DIP:	SURVEYTYPE:	COMMENTS:
50.00	17.20	-82.70	ReflexGyro	
130.00	14.80	-84.40	ReflexGyro	
60.00	16.40	-82.90	ReflexGyro	
255.00	43.20	-87.40	ReflexGyro	
70.00	16.30	-83.10	ReflexGyro	
75.00	17.00	-83.30	ReflexGyro	
80.00	16.00	-83.40	ReflexGyro	
85.00	15.60	-83.50	ReflexGyro	
90.00	15.20	-83.60	ReflexGyro	
95.00	14.90	-83.70	ReflexGyro	
100.00	15.20	-83.70	ReflexGyro	
105.00	15.30	-83.80	ReflexGyro	
110.00	15.00	-84.00	ReflexGyro	
115.00	14.30	-84.10	ReflexGyro	
55.00	16.50	-82.80	ReflexGyro	
445.00	79.20	-89.30	ReflexGyro	
385.00	65.40	-88.60	ReflexGyro	
390.00	66.00	-88.70	ReflexGyro	
395.00	66.80	-88.70	ReflexGyro	
400.00	70.60	-88.80	ReflexGyro	
405.00	72.30	-88.80	ReflexGyro	
410.00	72.30	-88.80	ReflexGyro	
415.00	76.10	-88.90	ReflexGyro	
420.00	73.50	-88.90	ReflexGyro	
425.00	74.90	-88.90	ReflexGyro	
430.00	76.90	-89.00	ReflexGyro	
245.00	38.10	-87.00	ReflexGyro	
440.00	81.10	-89.20	ReflexGyro	
370.00	63.00	-88.50	ReflexGyro	
450.00	82.20	-89.20	ReflexGyro	
455.00	81.00	-89.10	ReflexGyro	
460.00	81.90	-89.40	ReflexGyro	
465.00	82.70	-89.40	ReflexGyro	
470.00	86.10	-89.20	ReflexGyro	
475.00	85.60	-89.30	ReflexGyro	
480.00	86.50	-89.30	ReflexGyro	
485.00	85.10	-89.30	ReflexGyro	
490.00	86.90	-89.30	ReflexGyro	
495.00	89.50	-89.30	ReflexGyro	
435.00	78.90	-89.10	ReflexGyro	
315.00	56.60	-88.20	ReflexGyro	
500.00	89.80	-89.20	ReflexGyro	
260.00	43.40	-87.60	ReflexGyro	
265.00	44.90	-87.50	ReflexGyro	
270.00	46.40	-87.60	ReflexGyro	
275.00	47.00	-87.70	ReflexGyro	
280.00	46.60	-87.70	ReflexGyro	
285.00	46.70	-87.80	ReflexGyro	

DISTANCE:	AZIMUTH:	DIP:	SURVEYTYPE:	COMMENTS:
290.00	48.60	-87.70	ReflexGyro	
295.00	49.70	-87.80	ReflexGyro	
300.00	51.00	-87.80	ReflexGyro	
380.00	65.30	-88.60	ReflexGyro	
310.00	54.10	-88.00	ReflexGyro	
375.00	63.50	-88.50	ReflexGyro	
320.00	56.80	-88.20	ReflexGyro	
325.00	57.50	-88.20	ReflexGyro	
330.00	59.80	-88.30	ReflexGyro	
335.00	60.50	-88.30	ReflexGyro	
340.00	60.00	-88.30	ReflexGyro	
345.00	60.60	-88.40	ReflexGyro	
350.00	60.50	-88.40	ReflexGyro	
355.00	60.60	-88.40	ReflexGyro	
360.00	61.90	-88.40	ReflexGyro	
365.00	61.90	-88.50	ReflexGyro	
250.00	40.40	-87.20	ReflexGyro	
305.00	53.30	-87.90	ReflexGyro	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 0 12.26 12.26 Ovb100

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 12.26 13.35 1.09 Slt100Fol

Light grey-green fine-medium grained siltstone variably chlorite altered and bleached. Strong semi-massive pyrite over ~10cm towards top of hole. Very light green alteration and bleaching increases in intensity towards contact with underlying silicified zone. Weakly brecciated and broken.

Important to not that it is quite likely that units labelled at "siltstones" may very well be volcanic tuffs. For the the purpose of consistency to relate SK11-20,21 and SG12-29 they are labelled as sediments.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
12.26	13.35	1.09	15BI3Loc 5CI2Per	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
12.26	15.00	2.74	M980201	0.308	FA_AAS	1.3	0.0077	0.0469	0.0001	138.0	6.40	6.55	7	0	-1	-1	TR12189789	ALS Chemex

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 13.35 14.4 1.05 Slt100Brx

Grey fine grained weakly to moderately brecciated, highly siliceous rock with increased pyrite content. Unit appears to have been flooded with quartz +- pyrite. Strong bleaching along upper and lower contacts within adjacent rocks.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
13.35	14.40	1.05	75Si4Per	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-29 14.4 24.15 9.75 Slt100Msv

Grey green fine grained massive siltstone. Rare lath-like fragments suggest a possible volcanic origin- may be an intermediate ash tuff.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
14.40	21.20	6.80	10BI3Per 5CI2Per	
21.20	24.15	2.95	15CI2Per 1BI2Frc	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPYP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
15.00	18.00	3.00	M980202	0.207	FA_AAS	4.1	0.0281	0.0764	0.0001	116.0	4.12	1.78	1	0	-1	-1	TR12189789	ALS Chemex
18.00	21.00	3.00	M980203	0.271	FA_AAS	5.0	0.0728	0.0405	0.0001	71.0	4.15	1.36	0.5	0	-1	-1	TR12189789	
21.00	24.00	3.00	M980204	0.120	FA_AAS	2.1	0.0249	0.0651	0.0001	113.0	4.68	1.06	0.5	0	-1	-1	TR12189789	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-29 24.15 24.87 0.72 Slt100

Zone of strong Si flooding associated with moderate sulphide sulphide mineralization including pyr>sph>>gal.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
24.15	24.87	0.72	65Si3Loc 3CI2Pat	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
24.50		sv		-1 OC	65	30	-99 sv-	65/30/	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-29 24.87 28.7 3.83 Slt100Msv

Grey green fine grained massive siltstone. Rare lath-like fragments suggest a possible volcanic origin- may be an intermediate ash tuff.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
24.87	28.70	3.83	5CI2Pat	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
24.95		qv		-1 OC	60	250	-99 qv-	60/250/	
26.63		qv		-1 OC	65	285	-99 qv-	65/285/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPYP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
24.00	25.70	1.70	M980205	0.571	FA_AAS	21.9	0.2950	0.1570	0.0001	266.0	6.96	4.54	7	0	0.01	0.01	TR12189789	
25.70	28.70	3.00	M980206	0.286	FA_AAS	26.0	0.1680	0.1935	0.0001	205.0	7.31	5.24	3	0	0.01	-1	TR12189789	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 28.7 34.75 6.05 Slt100Msv

Zone of strong silica alteration within massive siltstone and sulphide veins and patches. Similar to previous siliceous zone with the absence of brecciation/ pervasive hairline fractures. Includes 2 narrow oxidized fault zones (~10cm).

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:														
28.70	34.75	6.05	60Si4Per 5CI2Pat															
DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:									
28.94	sv		-1	OC	30	235	-99	sv- 30/235/										
FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:		COMMENTS:											
30.84	31.19	0.35	Fto		4 Fto4													
31.41	31.62	0.21	Fto		4 Fto4													
FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
28.70	30.70	2.00	M980207	1.670	FAOG_GRAV	83.1	1.1500	0.3780	0.0001	773.0	15.15	16.80	15	0	1	-1	TR12189789	
30.70	32.70	2.00	M980208	1.275	FA_AAS	102.0	1.7600	0.6720	0.0001	581.0	12.50	13.90	10	0	0.01	0.01	TR12189789	
32.70	34.75	2.05	M980209	0.618	FA_AAS	23.4	0.3170	0.1715	0.0001	623.0	11.45	11.40	10	0	0.01	0.01	TR12189789	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 34.75 38.35 3.6 Slt100

Light grey/green fine grained siltstone pervasively weakly bleached with patches/stringers of moderate-strong sulphide mineralization

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:														
34.75	38.35	3.60	30BI3Per 5CI3Pat															
FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
34.75	37.75	3.00	M980210	0.178	FA_AAS	7.2	0.0843	0.0287	0.0001	193.0	7.28	5.20	5	0	0.01	-1	TR12189789	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 38.35 42.8 4.45 Slt95Bdm Mud5Bdm

Grey-green banded siltstone with rare beds of dark grey fine grained mudstone. Rare narrow bands of bedding parallel biotite commonly occurring with the dark grey mudstones. Moderate sulphide mineralization within localized patches and with irregular quartz veining.

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:									
41.35	s0		-1	CA	60	-99	-99	s0- 60//										
FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
37.75	40.75	3.00	M980211	0.109	FA_AAS	6.8	0.0879	0.0250	0.0001	164.0	5.92	3.48	3	0	0.01	-1	TR12189789	
40.75	42.90	2.15	M980212	0.076	FA_AAS	5.5	0.0147	0.0248	0.0001	201.0	6.39	4.12	7	0	-1	-1	TR12189789	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 42.8 45 2.2 Slt100Msv

Light grey fine grained massive siltstone with moderate sulphide mineralization.

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
42.90	45.50	2.60	M980213	0.313	FA_AAS	17.3	0.0154	0.7420	0.0001	307.0	10.35	9.35	10	0	-1	0.01	TR12189789	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 45 51.77 6.77 Slt90Bdm Mud10Bdm

Grey-green banded siltstone with rare beds of dark grey fine grained mudstone. Rare narrow bands of bedding parallel biotite commonly occurring with the dark grey mudstones. Moderate sulphide mineralization within localized patches and with irregular quartz veining.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
38.35	51.77	13.42	5Bt4Loc 5Cl3Per	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
45.50	48.50	3.00	M980214	0.062	FA_AAS	2.4	0.0076	0.0252	0.0001	85.0	5.30	1.81	3	0	-1	-1	TR12189789	
48.50	51.40	2.90	M980216	0.079	FA_AAS	4.0	0.0229	0.0378	0.0001	120.0	6.18	2.21	1	0	-1	-1	TR12189789	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 51.77 52 0.23 MSs100Msv

Sulphide vein with semi-massive pyrite centred around 2 narrow 1 sphalerite veins with lesser galena all localized between 1cm quartz veins at upper and lower contact.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
51.77	52.00	0.23	20Qz4Loc	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
51.84		xv		-1 CA	70	-99	-99 xv- 70//		

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 52 55.25 3.25 Slt100Msv

Light grey fine grained massive siltstone with moderate disseminated sulphide mineralization and increased biotite alteration.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
52.00	53.30	1.30	3Cl2Per 1Bt2Frc	
53.30	55.25	1.95	5Bt2Per 1Cl2Per	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
53.41		s1		-1 CA	64	-99	-99 s1- 64//		

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
51.40	52.40	1.00	M980217	0.483	FA_AAS	22.9	0.1330	2.3700	0.0001	387.0	11.55	10.75	20	0	-1	2	TR12189789	
52.40	55.00	2.60	M980218	0.161	FA_AAS	6.0	0.0259	0.3130	0.0001	169.0	7.25	4.00	3	0	-1	0.01	TR12189789	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 55.25 63.85 8.6 Slt70Bdm Mud30Bdm

Grey-green banded siltstone with rare beds of dark grey fine grained mudstone. Rare narrow bands of bedding parallel biotite commonly occurring with the dark grey mudstones.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:														
55.25	63.85	8.60	3Cl2Per 1Bt2Pat															
FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:												
60.00	62.62	2.62	SFh		2 SFh2													
FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%:	ASPYP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
55.00	58.00	3.00	M980219	0.072	FA_AAS	2.9	0.0097	0.0894	0.0001	54.0	5.08	1.15	1	0	-1	-1	TR12189789	
58.00	61.00	3.00	M980220	0.097	FA_AAS	3.4	0.0245	0.1865	0.0020	75.0	6.10	2.45	2	0	-1	-1	TR12189789	
61.00	63.75	2.75	M980221	0.164	FA_AAS	3.9	0.0382	0.0486	0.0010	112.0	5.81	3.52	3	0	-1	-1	TR12189789	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 63.85 66 2.15 Slt100Msv

Zone of semi-massive sulphide mineralization in highly silicified rock.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:														
63.85	66.00	2.15	50Si4Per															
DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:									
65.90		sv		-1 CA	65	-99	-99	sv- 65//										
FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%:	ASPYP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
63.75	65.50	1.75	M980222	1.400	SFA_AAS	79.7	0.4420	0.6160	0.0010	305.0	14.30	16.75	15	0	0.01	0.01	TR12189789	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 66 71.4 5.4 Slt100Msv

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:									
67.20		sv		-1 CA	45	-99	-99	sv- 45//										
69.27		sv		-1 CA	55	-99	-99	sv- 55//										
70.03		xv		-1 CA	30	-99	-99	xv- 30//										
FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:												
67.75	68.00	0.25	Fto		3 Fto3													
69.87	69.88	0.01	Gge		2 Gge2													
FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%:	ASPYP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
65.50	68.00	2.50	M980223	0.544	FA_AAS	16.7	0.0274	0.0556	0.0001	177.0	7.41	6.65	3	0	0.01	0.01	TR12189789	
68.00	70.50	2.50	M980224	1.790	FA_AAS	97.0	0.3690	1.9300	0.0005	204.0	8.84	9.10	7	0	0.01	0.01	TR12189789	

HOLE-ID: **FROM:** **TO:** **INTERVAL:** **PLOT LITH:**
SG12-29 **71.4** **79** **7.6** **Sst100Bdm**

Grey fine-medium grained greywacke with rare coarse grained beds interbedded with subordinate medium grained siltstone.

FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:												
71.18	74.83	3.65	Gge		5 Gge5													
FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASP%	CPY%:	SPH%:	CERT-ID:	LAB-ID:
70.50	73.00	2.50	M980225	0.169	FA_AAS	6.4	0.0337	0.0416	0.0003	43.0	3.46	1.05	0.5	0	-1	-1	TR12189789	
73.00	76.00	3.00	M980226	0.103	FA_AAS	3.2	0.0191	0.0277	0.0007	55.0	3.80	1.34	2	0	-1	-1	TR12189789	
76.00	79.00	3.00	M980227	0.084	FA_AAS	3.2	0.0188	0.0331	0.0001	60.0	3.86	1.52	2	0	-1	-1	TR12189789	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 79 125 46 Mud50Bdm Slit35Bdm Sst15Bdm

Dark grey mudstone interbedded with siltstone and greywacke.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
66.00	87.51	21.51	5BI2Pat 1Bt3Frc	
87.51	88.37	0.86	70BI4Per 3CI2Int	
88.37	99.20	10.83	1BI2Pat	
99.20	104.90	5.70	20BI3Pat	
104.90	125.00	20.10	1BI3Frc 1CI2Per	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
81.08		sv		-1 CA	55	-99	-99	sv- 55//	
86.54		xv		-1 OC	70	170	-99	xv- 70/170/	
92.80		xv		-1 OC	55	255	-99	xv- 55/255/	
122.05		xv		-1 OC	60	200	-99	xv- 60/200/	

FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:
111.06	111.46	0.40	Shh		3 Shh3	
121.83	121.99	0.16	Fto		1 Fto1	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
79.00	82.00	3.00	M980228	0.314	FA_AAS	5.5	0.0159	0.0631	0.0001	108.0	5.25	3.29	3	0	-1	-1	TR12189789	
82.00	85.00	3.00	M980229	0.071	FA_AAS	2.0	0.0142	0.0253	0.0001	88.0	4.81	2.33	1	0	-1	-1	TR12189789	
85.00	87.50	2.50	M980231	0.355	FA_AAS	38.3	0.0278	0.3850	0.0001	79.0	5.90	2.91	1	0	-1	-1	TR12189789	
87.50	90.00	2.50	M980232	0.059	FA_AAS	1.0	0.0091	0.0541	0.0001	33.0	3.94	0.99	1	0	-1	-1	TR12189789	
90.00	92.50	2.50	M980233	0.606	FA_AAS	2.4	0.0430	0.0679	0.0003	61.0	7.73	3.56	3	0	-1	-1	TR12189789	
92.50	95.00	2.50	M980234	0.651	FA_AAS	4.2	0.0969	0.0327	0.0004	62.0	7.58	4.90	5	0	-1	-1	TR12189789	
95.00	98.00	3.00	M980235	0.113	FA_AAS	2.2	0.0152	0.0481	0.0001	43.0	4.43	1.58	1	0	-1	-1	TR12189789	
98.00	101.00	3.00	M980236	0.123	FA_AAS	2.4	0.0204	0.0263	0.0001	39.0	5.06	2.34	1	0	-1	-1	TR12194150	
101.00	104.00	3.00	M980237	0.094	FA_AAS	1.5	0.0081	0.0233	0.0001	20.0	5.75	3.54	1	0	-1	-1	TR12194150	
104.00	107.00	3.00	M980238	0.052	FA_AAS	1.5	0.0116	0.0325	0.0001	32.0	4.20	1.58	1	0	-1	-1	TR12194150	
107.00	110.00	3.00	M980239	0.039	FA_AAS	1.7	0.0067	0.0138	0.0001	25.0	3.58	1.02	0.1	0	-1	-1	TR12194150	
110.00	112.00	2.00	M980240	0.057	FA_AAS	2.6	0.0100	0.1900	0.0001	30.0	4.81	1.07	3	0	0.01	0.1	TR12194150	
112.00	115.00	3.00	M980241	0.316	FA_AAS	20.3	0.1110	0.5160	0.0001	29.0	4.65	2.29	0.1	0	-1	-1	TR12194150	
115.00	118.00	3.00	M980242	0.039	FA_AAS	2.8	0.0097	0.1040	0.0001	41.0	4.80	1.07	0.1	0	-1	-1	TR12194150	
118.00	121.00	3.00	M980243	0.362	FA_AAS	3.3	0.0107	0.3040	0.0001	36.0	5.00	1.44	0.1	0	-1	-1	TR12194150	
121.00	123.00	2.00	M980244	0.178	FA_AAS	4.7	0.0142	0.7010	0.0001	47.0	6.44	2.21	2	0	-1	0.1	TR12194150	
123.00	125.00	2.00	M980246	0.232	FA_AAS	3.4	0.0211	0.3040	0.0001	66.0	6.41	3.01	2	0	-1	-1	TR12194150	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 125 127.6 2.6 MSs70Msv Slt15Msv Sst15Msv

Predominantly semi-massive to massive medium-course grained pyrite +- sph locally within quartz + chlorite flooding/silicification. Zone includes 2 narrow bands (5, 15cm) of fine grained semi-massive sph + pyr +-gal upsection to coarser grained massive pyr. Qtz localized to within sulphide mineralization extending very minimally into unmineralized host rock. Minor chlorite occurs commonly along contact between sulphides and quartz. Sph typically occurs in concentrations +- pyr within irregular whisps and stringers.

Hairline qtz-filled fractures x-cutting coarse pyr grains indicate fluid movement and strain post mineralization. Sph veins/stringers occur with calcite and appear to be a later pahase of mineralization than the pyrite with evidence of one crosscutting the other. *Photo

Upper contact is fairly distinct with minor amounts of sulphide stringers increasing slightly @ ~122m. Lower contact mush less distinct below massive sulphides with several small veins/stringers/disseminations extending into footwall down to ~133m.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:														
125.00	127.30	2.30	20Qz4Loc 5Cl3Frc															
DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:									
125.02		ct		-1 OC	60	230		-99 ct- 60/230/										
127.49		xa		-1 OC	84	250		-99 xa- 84/250/	15 over 70cm. With Py									
FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
125.00	126.60	1.60	M980247	4.540	FAOG_GRAV	69.2	0.1435	2.6400	0.0003	344.0	15.85	19.15	35	0	0.01	10	TR12194150	
126.60	127.60	1.00	M980248	1.740	FA_AAS	54.8	0.0960	0.2490	0.0012	514.0	30.30	32.80	75	0	-1	-1	TR12194150	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 127.6 159.45 31.85 Mud50Msv Sst25Msv Slit25Msv

Dark grey interbedded mudstone-siltstone-greywacke. Fairly gradational contacts between grain size/lithology changes with little evidence for upsection or downsection grading and indicators for tops direction. Within beds lithologies are quite massive showing subtle to no So. Variably carbonate alteration/calcite cementing.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
127.30	155.50	28.20	15Ca3Pat 7Cl3Loc	
155.50	158.80	3.30	70Bl4Pat 5Cl4Frc	
158.80	159.45	0.65	25Cl4Loc	Zone includes 3 1-3cm qtz+pyr+-chl veins x-cutting So.

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
128.70		xv		-1 OC	30	230	-99 xv-	30/230/	
130.15		xa		-1 OC	26	210	-99 xa-	26/210/	10 over 2cm. With Sph
131.96		xv		-1 OC	45	300	-99 xv-	45/300/	
140.02		s0		-1 OC	45	270	-99 s0-	45/270/	
141.46		cv		-1 OC	75	310	-99 cv-	75/310/	1.4cm
142.86		cv		-1 OC	50	270	-99 cv-	50/270/	3.1cm
152.23		xv		-1 OC	78	300	-99 xv-	78/300/	1.4cm
153.08		xa		-1 OC	40	255	-99 xa-	40/255/	7 over 0.5m with Py
154.09		s0		-1 OC	50	230	-99 s0-	50/230/	
156.60		qa		-1 OC	27	210	-99 qa-	27/210/	20 over 2m
158.90		xv		-1 OC	26	150	-99 xv-	26/150/	1.6cm
159.03		xv		-1 OC	50	155	-99 xv-	50/155/	1.1cm

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPYP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
127.60	129.00	1.40	M980249	0.224	FA_AAS	8.2	0.0434	0.8500	0.0008	195.0	10.90	6.15	7	0	-1	2	TR12194150	
129.00	131.00	2.00	M980250	0.631	FA_AAS	27.8	0.0619	1.8200	0.0001	225.0	9.99	6.38	5	0	-1	3	TR12194150	
131.00	133.00	2.00	M980252	0.199	FA_AAS	11.0	0.0231	0.7330	0.0001	216.0	9.81	5.47	7	0	-1	0.01	TR12194150	
133.00	135.50	2.50	M980253	0.191	FA_AAS	4.2	0.0209	0.2270	0.0001	81.0	6.80	3.35	1	0	-1	-1	TR12194150	
135.50	138.00	2.50	M980254	0.207	FA_AAS	3.9	0.0218	0.3920	0.0001	78.0	6.25	2.61	3	0	-1	0.01	TR12194150	
138.00	141.00	3.00	M980255	0.109	FA_AAS	2.6	0.0154	0.1230	0.0001	41.0	4.83	1.89	2	0	-1	-1	TR12194150	
141.00	144.00	3.00	M980256	0.139	FA_AAS	3.2	0.0140	0.0998	0.0001	73.0	5.36	2.25	2	0	-1	-1	TR12194150	
144.00	147.00	3.00	M980257	0.121	FA_AAS	1.7	0.0186	0.0159	0.0002	31.0	5.08	2.24	1	0	-1	-1	TR12194150	
147.00	150.00	3.00	M980258	0.092	FA_AAS	0.9	0.0172	0.0217	0.0001	25.0	4.08	1.58	1	0	-1	-1	TR12194150	
150.00	153.00	3.00	M980259	0.205	FA_AAS	6.1	0.0406	0.3180	0.0002	26.0	3.60	1.88	1	0	-1	-1	TR12194150	
153.00	156.00	3.00	M980261	0.267	FA_AAS	1.9	0.0303	0.0168	0.0002	44.0	5.00	2.37	2	0	-1	-1	TR12194150	
156.00	158.27	2.27	M980262	0.123	FA_AAS	1.0	0.0168	0.0197	0.0001	17.0	4.45	1.78	0.1	0	-1	-1	TR12194150	
158.27	160.50	2.23	M980263	0.208	FA_AAS	2.4	0.0217	0.0456	0.0002	65.0	5.39	2.89	5	0	-1	-1	TR12194150	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 159.45 161.9 2.45 Mud75Msv Slt25Msv

Grey fine grained mudstone interbedded with siltstone. Fairly massive with poorly defined bedding planes. Mottled appearance with irregular whisps and blebs of light grey with dark grey halos. Rare bedding parallel clasts/fragments ranging from 0.2-1cm. Weakly carbonate alteration/calcite cement.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
159.45	161.90	2.45	15BI3Pat 0.5Bt2Frc	"Irregular patchy bleaching, mottled appearance of light-dark greys possible water features."

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
159.44		qv		-1 OC	80	315	-99	qv- 80/315/	
161.24		s0		-1 OC	65	295	-99	s0- 65/295/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
160.50	163.00	2.50	M980264	0.082	FA_AAS	1.3	0.0136	0.0224	0.0001	27.0	3.77	1.02	0.01	0	-1	-1	TR12194150	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 161.9 163.6 1.7 Sst100Bdf

Grey medium grained finely bedded greywack with alternating dark-light grey beds. Grain size varies very, compositional variation between mafic and felsic concentration looks to account for colour variation. Subtle ubiquitous discontinuous hairline fractures/veinlets filled with biotite+cal+qtz+pyr sub perpendicular to So and rarely parallel to bedding. Appears to be extensional features from bedding ~parallel strain?

Several large subrounded clasts (10-20cm) of coarse grained sandstone bewteen 162.5-162.6m in zone of intense bleaching.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
161.90	162.50	0.60	1BI2Pat 0.1Bt2Frc	
162.50	163.60	1.10	95BI5Per 0.1Bt2Frc	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
162.05		xv		-1 OC	27	90	-99	xv- 27/90/	
162.15		s0		-1 OC	75	260	-99	s0- 75/260/	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 163.6 168 4.4 Mud75Msv Slt25Msv

Grey fine grained mudstone interbedded with siltstone. Fairly massive with poorly defined bedding planes. Mottled appearance with irregular whisps and blebs of light grey with dark grey halos. Rare bedding parallel clasts/fragments ranging from 0.2-1cm. Weakly carbonate alteration/calcite cement.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
163.60	167.20	3.60	7BI3Loc 0.1Bt2Frc	
167.20	167.70	0.50	30CI4Loc 10BI3Loc 0.1Bt2Loc	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
163.76		s0		-1 OC	50	330	-99	s0- 50/330/	
165.38		xv		-1 OC	20	55	-99	xv- 20/55/	
165.63		qv		-1 OC	60	170	-99	qv- 60/170/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
163.00	166.00	3.00	M980265	0.175	FA_AAS	1.8	0.0216	0.0238	0.0001	63.0	5.74	2.74	1	0	-1	-1	TR12194150	
166.00	169.00	3.00	M980266	0.105	FA_AAS	1.0	0.0259	0.0124	0.0008	25.0	5.66	2.28	3	0	-1	-1	TR12194150	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 168 170 2 Sst50Bdf Slit25Bdf Mud25Bdf

Grey medium grained finely bedded greywacke interbedded with siltstone and mudstone. Becomes massive downsection towards contacts with underlying siltstone.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:					
167.70	170.40	2.70	0.01Cl1Pat						
DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
168.61		s0		-1 CA	76	-99	-99	s0- 76//	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 170 176.5 6.5 Slit100Msv

Light grey fine-medium grained massive siltstone. Irregular patchy bleaching typically bleaching out parallel to So.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:														
170.40	176.50	6.10	40Bl4Pat															
DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:									
170.18		s0		-1 OC	73	305	-99	s0- 73/305/										
173.26		lv		-1 CA	75	-99	-99	lv- 75//										
174.56		qv		-1 CA	18	-99	-99	qv- 18//	13.7cm									
FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:												
176.36	176.37	0.01	Shh		2 Shh2													
FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%:	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
169.00	172.00	3.00	M980267	0.094	FA_AAS	0.7	0.0155	0.0173	0.0005	28.0	4.41	1.35	1	0	-1	-1	TR12194150	
172.00	175.00	3.00	M980268	0.041	FA_AAS	0.7	0.0055	0.0151	0.0002	35.0	3.86	0.71	0.01	0	-1	-1	TR12194150	
175.00	178.00	3.00	M980269	0.202	FA_AAS	1.2	0.0081	0.1230	0.0001	31.0	6.76	0.85	0.01	0	-1	-1	TR12194150	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 176.5 183.75 7.25 Mdk100Por

Black fine grained mafic groundmass with 5-30% subrounded-subangular calcite crystals. Calcite is commonly partly replaced by chlorite. Very massive with only some weak signs of preferred grain orientation. Porphyritic texture with calcite appearing to have replaced original phenocrysts, grains range from medium-course grain and occur fairly homogeneously with some variation in concentration and grain size.

Quite a distinct unit and unique to the surrounding sediments. Upper contact is defined by a narrow 3cm weak shear containing weak sericite and chlorite alteration with rare pyr>sph>cpy. Lower contacts is poorly defined by a 3cm low angle open space-filled vuggy white quartz vein with rare pyrite. Strong bleaching and moderate chl alteration surrounding qtz vein.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:														
176.50	182.85	6.35	15Ca3Per 7Cl3Per	Calcite replacement of feldspar? Crystals with weak chl overprinting														
182.85	183.70	0.85	30Bl3Pat 20Cl3Pat															
DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:									
179.09		cv		-1 CA	73	-99	-99	cv- 73//	0.5cm									
FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%:	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
178.00	181.00	3.00	M980270	0.024	FA_AAS	0.3	0.0052	0.0127	0.0001	21.0	8.14	0.28	0.01	0	-1	-1	TR12194150	
181.00	183.75	2.75	M980271	0.020	FA_AAS	0.3	0.0053	0.0202	0.0001	47.0	7.82	0.36	0.01	0	-1	-1	TR12194150	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 183.75 186 2.25 Slt70Bdf Mud30Bdf

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
183.70	186.00	2.30	10Bl2Pat 7Bt2Pat	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
183.73		qv		-1 CA	20	-99	-99	qv- 20//	2.3cm
184.76		s0		-1 OC	80	240	-99	s0- 80/240/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
183.75	185.77	2.02	M980272	0.117	FA_AAS	2.2	0.0203	0.0405	0.0001	65.0	5.18	2.12	2	0	-1	-1	TR12194150	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 186 189.45 3.45 Sst100Msv

Dark grey fine-medium grained greywacke increasing in disseminated pyrite content downsection towards massive sulphide zone.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
186.00	189.45	3.45	1Cl3Frc	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
188.17		qv		-1 OC	80	325	-99	qv- 80/325/	0.5cm with Cl
188.45		xv		-1 OC	25	45	-99	xv- 25/45/	11.0cm with Cl

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
185.77	187.76	1.99	M980273	0.229	FA_AAS	3.6	0.0200	0.2040	0.0001	39.0	6.17	1.54	3	0	-1	-1	TR12190000	
187.76	189.40	1.64	M980274	1.405	FA_AAS	9.6	0.0558	0.3280	0.0001	77.0	7.96	3.75	7	0	-1	0.01	TR12190000	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 189.45 190.45 1 MSv80Msv MSv20Msv

Zone of massive pyr with lesser massive sph+gal and rare disseminations of cpy. Interstitial qtz-carb interpreted to be veining associated with sulphide mineralization. Dominantly qtz (~15%) with lesser cal (~7%). Irregular whisps of interstitial sph + gal with two (?) subtle preferred orientations. Pyrite and sph+gal occur seperately as 3 fairly distinct zones (pyr-sph-pyr) with a 30cm overlap. No obvious crosscutting relationships where the two mineralization types exist distinguishing separate events. The small overlap suggests a possible separate event or pulse in the same event?

Fairly distinct upper contact defined by 3cm sph+pyr+qtz+cal adjacent to massive pyr. Lower contact is less distinct

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
189.45	190.45	1.00	15Qz3Int 7Ca3Int	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
189.41		ct		-1 OC	47	225	-99	ct- 47/225/	
189.51		sv		-1 OC	49	225	-99	sv- 49/225/	
189.61		ct		-1 OC	35	175	-99	ct- 35/175/	
189.96		xv		-1 OC	33	295	-99	xv- 33/295/	with sph
190.06		xv		-1 OC	60	185	-99	xv- 60/185/	with pyr

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
189.40	190.44	1.04	M980276	10.850	SFA_AAS	139.0	0.5160	12.1000	0.0003	503.0	20.10	28.90	65	0	0.01	20	TR12190000	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 190.45 192 1.55 Cgl100Msv

Grey polymictic matrix-supported conglomerate appearing to fine upsection. Subangular clasts range from 0.1-2cm.

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
190.42		ct		-1 OC	35	270	-99	ct- 35/270/	
191.13		qv		-1 OC	43	290	-99	qv- 43/290/	1.5cm
191.25		qv		-1 OC	39	310	-99	qv- 39/310/	4.9cm with Cl

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPYP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
190.44	192.73	2.29	M980277	1.060	FA_AAS	2.9	0.0290	0.0996	0.0001	47.0	4.72	1.78	1	0	-1	-1	TR12190000	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 192 194.7 2.7 Slt100Bdf

Grey medium-grained greywacke with very subtle bedding fining upsection.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
190.45	194.50	4.05	1Cl5Frc	
194.50	194.75	0.25	5Bt3Pat	coarse grained biotite adjacent to upper contact with massive sulphide

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
194.31		s0		-1 OC	46	240	-99	s0- 46/240/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPYP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
192.73	194.95	2.22	M980278	0.257	FA_AAS	7.5	0.0196	0.6160	0.0001	36.0	5.44	3.01	2	0	0.01	1	TR12190000	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 194.7 196.35 1.65 MSv100Msv

Massive pyr vein with fine-coarse grained crystals. Relic pyr crystals up to 3cm with finer grained shattered or recrystallized crystals remaining. Ubiquitous qtz-cal filled hairline fractures appear to have preferred orientation. Measurement taken of fracture set labelled "S1" in structure log.

Upper contact defined by increasing concentrations of disseminated pyr+sph+gal adjacent to 15cm semi-massive sph+gal vein/shear followed by a distinct contact with massive pyrite.

Lower contact is more gradual in transition with underlying sediment with abundant Xs decreasing over 30cm. 2 massive pyr veins follow spaced 10cm apart mark the end of strong mineralization.

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
194.93		s1		-1 OC	50	150	-99	s1- 50/150/	
195.11		ct		-1 OC	35	130	-99	ct- 35/130/	
195.72		s1		-1 OC	15	251	-99	s1- 15/251/	
196.28		ct		-1 OC	15	145	-99	ct- 15/145/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPYP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
194.95	196.33	1.38	M980279	56.400	SFA_AAS	44.7	0.2180	3.6300	0.0002	95.0	30.80	36.70	75	0	-1	7	TR12190000	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-29 196.35 201.7 5.35 Sst100Msv

Grey medium-course grained massive greywacke. Moderate-strong patchy bleaching with some hairline fracture filled biotite+pyr stringers.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
196.35	201.70	5.35	30BI3Pat 0.5Bt2Frc	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
196.46		pa		-1 OC	59	250	-99	pa- 59/250/	
196.60		pv		-1 OC	58	265	-99	pv- 58/265/	
196.70		qv		-1 OC	60	20	-99	qv- 60/20/	
196.80		pv		-1 OC	65	210	-99	pv- 65/210/	
196.90		pv		-1 OC	70	190	-99	pv- 70/190/	
197.15		lv		-1 OC	75	140	-99	lv- 75/140/	
198.82		xa		-1 OC	50	275	-99	xa- 50/275/	15 over 2cm

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
196.33	197.83	1.50	M980280	1.490	FA_AAS	3.8	0.0271	0.0685	0.0001	43.0	7.95	7.13	10	0	-1	0.01	TR12190000	
197.83	199.48	1.65	M980282	0.248	FA_AAS	2.7	0.0187	0.0116	0.0001	34.0	5.86	4.69	5	0	-1	-1	TR12194150	
199.48	201.67	2.19	M980283	0.174	FA_AAS	2.3	0.0052	0.0119	0.0001	16.0	2.98	1.87	1	0	-1	-1	TR12194150	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-29 201.7 202.93 1.23 Mdk100Por

Black fine grained mafic groundmass with 5-30% subrounded-subangular calcite crystals. Calcite is rarely partly replaced by chlorite with a lesser chl component than mfd seen upsection. Very massive with onllysome weak signs of preferref grain orientation. Porphyritic texture with calcite appearing to have replaced original phenocrysts, grains range from medium-course grain and occur fairly homogenously with some variation in concentration and grain size. Trace disseminated pyr.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
201.70	202.95	1.25	25Ca3Per	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
201.70		ct		-1 OC	45	210	-99	ct- 45/210/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
201.67	202.95	1.28	M980284	0.110	FA_AAS	0.3	0.0040	0.0146	0.0001	41.0	8.00	0.99	-1	0	-1	-1	TR12194150	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-29 202.93 205.88 2.95 Sst100Msv

Grey medium-course grained massive greywacke. Moderate-strong patchy bleaching with some hairline fracture filled biotite+pyr stringers.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
202.95	207.12	4.17	10BI3Pat 0.5Bt2Frc	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
202.95		ct		-1 OC	32	35	-99	ct- 32/35/	
204.57		qv		-1 CA	69	-99	-99	qv- 69//	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
202.95	205.52	2.57	M980285	0.223	FA_AAS	0.3	0.0044	0.0102	0.0001	8.0	3.41	1.98	1	0	-1	-1	TR12194150	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 205.88 214.15 8.27 Cgl100Msv

Grey poorly consolidated matrix supported fragmental. Clasts range from 0.2-3cm subangular-subrounded set in a fine-grained dark-grey/black matrix appearing to fine upsection. Subangular clasts range from 0.1-2cm.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
207.12	208.00	0.88	25Qz3Per 1Bt2Frc	
208.00	214.15	6.15	5Bl2Pat	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
208.31		qv		-1 OC	14	265	-99	qv- 14/265/	2.2cm
212.42		qv		-1 OC	50	260	-99	qv- 50/260/	1.4cm with Ak and Cl
214.06		qv		-1 OC	80	130	-99	qv- 80/130/	1.0cm

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
205.52	208.00	2.48	M980286	0.581	FA_AAS	2.3	0.0363	0.0120	0.0001	24.0	4.35	2.88	2	0	-1	-1	TR12194150	
208.00	211.00	3.00	M980287	0.318	FA_AAS	1.1	0.0214	0.0261	0.0001	14.0	4.20	2.67	1	0	-1	-1	TR12194150	
211.00	214.00	3.00	M980288	0.286	FA_AAS	2.0	0.0292	0.0347	0.0001	37.0	5.97	3.67	1	0	-1	-1	TR12194150	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 214.15 215 0.85 Mdk100Por

Black fine grained mafic groundmass with 5-30% subrounded-subangular calcite crystals. Calcite is rarely partly replaced by chlorite with a lesser chl component than mfd seen upsection. Very massive with only some weak signs of preferred grain orientation. Porphyritic texture with calcite appearing to have replaced original phenocrysts, grains range from medium-course grain and occur fairly homogeneously with some variation in concentration and grain size. Trace disseminated pyr.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
214.15	215.00	0.85	20Ca3Per	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
214.16		ct		-1 OC	78	205	-99	ct- 78/205/	7.0cm

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 215 216.5 1.5 Sst100Msv

Grey medium-course grained massive greywacke. Moderate-strong patchy bleaching with some hairline fracture filled biotite+pyr stringers.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
215.00	216.50	1.50	7Bl3Pat 1Cl3Frc	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
216.40		ct		-1 OC	25	330	-99	ct- 25/330/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
214.00	216.40	2.40	M980289	0.144	FA_AAS	0.3	0.0059	0.0143	0.0001	19.0	4.66	1.05	0.01	0	-1	-1	TR12194150	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 216.5 219.4 2.9 Mdk100Por

Black fine grained mafic groundmass with 5-30% subrounded-subangular calcite crystals. Calcite is rarely partly replaced by chlorite with a lesser chl component than mfd seen upsection. Very massive with onllysome weak signs of preferref grain orientation. Porphyritic texture with calcite appearing to have replaced original phenocrysts, grains range from medium-course grain and occur fairly homogenously with some variation in concentration and grain size. Trace disseminated pyr.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
216.50	219.40	2.90	20Ca2Per	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPYP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
216.40	219.40	3.00	M980291	0.126	FA_AAS	0.3	0.0047	0.0232	0.0001	46.0	8.41	0.28	0.01	0	-1	-1	TR12194150	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 219.4 228.69 9.29 Cgl100

Grey poorly consolidated matrix supported fragmental. Clasts range from 0.2-3cm subangular-subrounded set in a fine-grained dark-grey/black matrix.Clasts commonly appear to be partially replaced by pyr with a halo of black fine grained micaceous mineral- biotite?

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
219.40	228.69	9.29	15Si3Pat 10Bl3Pat 5Bt4Loc	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
219.40		ct		-1 OC	9	140		-99 ct- 9/140/	
219.55		xv		-1 OC	55	15		-99 xv- 55/15/	0.2cm
219.65		xv		-1 OC	65	25		-99 xv- 65/25/	0.2cm
221.55		xv		-1 OC	9	195		-99 xv- 9/195/	0.5cm
223.47		qv		-1 OC	50	255		-99 qv- 50/255/	2.5cm
225.83		xv		-1 OC	56	25		-99 xv- 56/25/	11.3cm

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPYP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
219.40	222.00	2.60	M980292	0.597	FA_AAS	5.6	0.0263	0.2200	0.0001	26.0	5.52	2.74	2	0	-1	0.1	TR12194155	
222.00	225.00	3.00	M980293	1.295	FA_AAS	3.6	0.0361	0.0404	0.0002	51.0	6.30	4.14	2	0	-1	-1	TR12194155	
225.00	228.00	3.00	M980294	0.476	FA_AAS	4.8	0.0272	0.1945	0.0001	59.0	6.65	3.40	2	0	-1	-1	TR12194155	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 228.69 229.55 0.86 Sst100Msv

Grey fine-course grained massive silicified greywacke. Subangular calcite grains dominant supported by interstitial silica-rich matrix. Very weakly pervasive chlorite alteration.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
228.69	229.55	0.86	30Qz4Int 20Ca3Per	Calicite limited to matrix supported grains/clasts

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 229.55 235 5.45 Slt70Msv Mud30Msv

Grey siltstoneinterbedded with subordinate mudstones. Gradational boundaries between grain size changes with no strong features indicating a grading up or down. Overprinted by moderate patchy bleaching and qtz flooding.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
229.55	232.00	2.45	10Bt3Int 3Bl3Pat	
232.00	233.00	1.00	70Bl3Per 10Bt3Frc	
233.00	235.00	2.00	10Bl3Pat 3Cl3Frc	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
234.55		xa		-1 OC	25	130	-99 xa-	25/130/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
228.00	231.00	3.00	M980295	0.099	FA_AAS	0.8	0.0109	0.0089	0.0001	25.0	4.24	1.19	1	0	-1	-1	TR12194155	
231.00	234.00	3.00	M980296	0.216	FA_AAS	1.9	0.0257	0.0166	0.0001	52.0	6.31	2.84	2	0	0.01	-1	TR12194155	
234.00	236.00	2.00	M980297	0.262	FA_AAS	3.7	0.0267	0.1660	0.0005	58.0	7.92	4.10	7	0	-1	-1	TR12194155	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 235 235.92 0.92 Mud100Msv

Two narrow zones of shearing/calcite veining with strong fabric and sulphides forming upper and lower contact to pervasively chlorite altered mudstone.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
235.00	236.00	1.00	15Cl3Per	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
235.46		ca		-1 OC	67	94	-99 ca-	67/94/	

FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:
235.06	235.24	0.18	Shh		3 Shh3	
235.75	235.95	0.20	Shh		3 Shh3	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 235.92 241 5.08 Vfr35Frg Sst50Msv Mud15Msv

Grey sequence of matrix-supported poorly consolidated fine-coarse grained sediments/volcanics with subrounded clasts up to 5cm diameter. Strong carbonate component with typical white crystals replaced by calcite.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
236.00	241.00	5.00	7Bl3Pat 0.01Bt2Frc	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
236.00	239.00	3.00	M980298	0.077	FA_AAS	1.0	0.0140	0.0177	0.0001	36.0	5.07	1.64	1	0	-1	-1	TR12194155	
239.00	242.00	3.00	M980299	0.043	FA_AAS	0.7	0.0077	0.0137	0.0001	13.0	4.07	0.65	0.01	0	-1	-1	TR12194155	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-29 241 241.5 0.5 Tfi100Msv

Grey medium grained volcanic. Euhedral lfeldspar laths in a fine-grained grey siliceous matrix. Resembles upsection medium-grained greywacke with apparent primary euhedral feldspars not replaced fully by calcite. Could be a sediment with a volcanic component or vice versa set in the volcanic/sedimentary environment.

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
241.09		ct		-1 OC	50	281	-99	ct- 50/281/	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-29 241.5 246 4.5 Vfr100Frg

Grey poorly consolidated matrix supported fragmental. Clasts range from 0.2-3cm subangular-subrounded set in a fine-grained dark-grey/black matrix.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
241.00	247.00	6.00	7BI2Pat 0.1Bt2Loc	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
242.00	245.00	3.00	M980301	0.034	FA_AAS	0.3	0.0032	0.0200	0.0002	17.0	3.98	0.44	0.01	0	-1	-1	TR12194155	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-29 246 258.9 12.9 Slt70Bdf Vfr30Frg

Grey interbedded siltstones with subordinate volcanoclastic fragmentals.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
247.00	255.50	8.50	5BI3Pat 1CI3Frc	
255.50	256.50	1.00	20CI3Loc	
256.50	259.00	2.50	7CI3Frc 3BI2Pat	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
245.97		s0		-1 OC	53	175	-99	s0- 53/175/	
246.13		ct		-1 CA	38	-99	-99	ct- 38//	
247.95		s0		-1 CA	57	-99	-99	s0- 57//	
254.90		s0		-1 OC	54	215	-99	s0- 54/215/	
257.42		s0		-1 OC	45	90	-99	s0- 45/90/	

FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:
253.95	253.96	0.01	Gge		1 Gge1	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
245.00	248.00	3.00	M980302	0.047	FA_AAS	0.6	0.0103	0.0237	0.0001	12.0	4.18	1.25	2	0	-1	-1	TR12194155	
248.00	251.00	3.00	M980303	0.166	FA_AAS	1.3	0.0288	0.0229	0.0001	27.0	6.21	2.99	3	0	-1	-1	TR12194155	
251.00	254.00	3.00	M980304	0.139	FA_AAS	0.3	0.0211	0.0184	0.0044	15.0	5.17	2.20	2	0	-1	-1	TR12194155	
254.00	257.00	3.00	M980305	0.539	FA_AAS	1.6	0.0295	0.0687	0.0006	31.0	7.57	3.38	5	0	-1	-1	TR12194155	
257.00	260.00	3.00	M980306	0.458	FA_AAS	1.7	0.0300	0.0291	0.0001	29.0	9.29	3.98	5	0	-1	-1	TR12194155	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 258.9 265 6.1 Tfm100Msv

Dark grey-green tuff with moderate pervasive chlorite alteration

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:														
259.00	265.90	6.90	25Cl3Per 5Ca3Pat															
DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:									
262.85		bv		-1 CA	48	-99	-99	bv- 48//										
FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:												COMMENTS:	
264.24	264.25	0.01	Bcr		1 Bcr1													
FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
260.00	263.00	3.00	M980307	0.274	FA_AAS	1.1	0.0318	0.0317	0.0001	30.0	9.20	3.51	5	0	-1	-1	TR12194155	
263.00	266.00	3.00	M980308	0.254	FA_AAS	1.4	0.0318	0.0385	0.0001	29.0	9.68	3.75	5	0	-1	-1	TR12194155	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 265 272.6 7.6 Tfm75Frg Vfr25Frg

Dark green fine-medium grained mafic tuff with 10-25% poorly consolidated fragments ranging from 0.2-3cm. Increased fragment size and frequency moving down section. Moderate pervasive carbonate alteration often concentrated and replacing fragments to give a pistachio-like green in likely in combination fine grained chl. Common irregular whisps, localized disseminations of pyr and within calcite veins.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:														
265.90	266.55	0.65	40Si4Loc 7Ak2Pat															
266.55	271.60	5.05	25Cl3Per 10Ca3Per															
DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:									
271.96		xv		-1 OC	36	190	-99	xv- 36/190/	0.9cm									
FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
266.00	269.15	3.15	M980309	0.172	FA_AAS	0.5	0.0233	0.0330	0.0001	23.0	8.57	2.57	3	0	-1	-1	TR12194155	
269.15	271.40	2.25	M980310	0.275	FA_AAS	0.9	0.0345	0.0170	0.0004	38.0	10.25	3.95	3	0	-1	-1	TR12194155	
271.40	273.73	2.33	M980311	0.542	FA_AAS	0.3	0.0382	0.0235	0.0001	35.0	10.90	4.48	15	0	-1	-1	TR12194155	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 272.6 273.73 1.13 Tfm60Frg Vfr40Frg

Same lithology as above with increased clast size and significant increase in pyr mineralization as irregular whisps, localized disseminations and within calcite veins.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:													
271.60	273.73	2.13	35Cl4Pat 25Ca4Pat														

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 273.73 279.45 5.72 Tfm60Msv Vfr40Frg

Dark green fine-medium grained mafic tuff with 20-25% poorly consolidated fragments ranging from 0.2-3cm. Increased fragment size and frequency moving down section. Moderate pervasive carbonate alteration often concentrated and replacing fragments to give a pistachio-like green in likely in combination fine grained chl. Common irregular whisps, localized disseminations of pyr and within calcite veins.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:														
273.73	280.50	6.77	30Cl4Per 7Ca3Pat															
DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:									
279.06	xv		-1 CA	54	-99	-99 xv- 54//			1.0cm									
FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:												
276.85	277.50	0.65	Brh		3 Brh3													
FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%:	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
273.73	276.00	2.27	M980312	0.379	FA_AAS	0.6	0.0308	0.0174	0.0001	23.0	8.26	2.57	1	0	-1	-1	TR12194155	
276.00	279.00	3.00	M980313	0.231	FA_AAS	0.6	0.0264	0.0114	0.0001	27.0	8.24	3.04	3	0	-1	-1	TR12194155	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 279.45 280.85 1.4 Tfm100Bdf

Dark green finely bedded-massive fine-medium grained mafic tuff.

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%:	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
279.00	282.00	3.00	M980314	0.244	FA_AAS	0.9	0.0285	0.0114	0.0005	27.0	8.90	3.49	3	0	-1	-1	TR12194155	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 280.85 285 4.15 Tfm85Msv Mud15Bdf

Dark green fairly massive mafic tuff with lesser finely interbedded mudstones and tuffs. Common bedding parallel fine-grained pistachio-green alteration occurring as pods or small blowouts or entire across bedding/laminae. Some of these altered patches fizz with HCl suggesting possibly an overprinting (chl?) of calcite rich beds or veins.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:														
280.50	281.93	1.43	30Cl4Per 5Ca2Per															
DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:									
281.46	s0		-1 OC	62	80	-99 s0- 62/80/												
283.31	xv		-1 OC	47	230	-99 xv- 47/230/			0.3cm									
FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%:	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
282.00	285.00	3.00	M980316	0.073	FA_AAS	0.3	0.0153	0.0114	0.0001	19.0	8.52	1.23	3	0	-1	-1	TR12194155	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 285 289.26 4.26 Vfr100Frg

Dark green fine-medium grained poorly consolidated fragmental with fragments ranging from 0.2-3cm. Moderate pervasive carbonate alteration often concentrated and replacing fragments to give a pistachio-like green in likely in combination fine grained chl. Rare stringers/ blebs of Po in additions to some localized Pyr disseminations.

Lower contact defined by ~15cm of moderately well sorted fragmental grading to more conglomerate looking rock. Top of this small section is marked with a distinct contact followed by angular dark green fragments up to 0.2cm over 3cm grading into fine rounded clasts becoming more coarse in grain size up to 0.8cm until lower contact with underlying medium-grained tuff.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:														
281.93	290.55	8.62	30Cl4Per 7Ca3Pat															
DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:									
286.30		xv		-1 OC	25	95	-99 xv-	25/95/										
289.12		s0		-1 OC	62	165	-99 s0-	62/165/										
FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
285.00	287.00	2.00	M980317	0.112	FA_AAS	0.3	0.0126	0.0114	0.0001	30.0	9.16	1.41	3	0	-1	-1	TR12194155	
287.00	290.00	3.00	M980318	0.134	FA_AAS	0.3	0.0139	0.0123	0.0001	31.0	9.10	1.31	3	0	-1	-1	TR12194155	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 289.26 296.67 7.41 Tfm100Spe

Dark green weakly bedded massive fine-medium grained mafic tuff. Zone of mottled/speckled overprinting of Po of what was likely chl+carb transitions to the latter as Po drops out over 390.55 - 294m.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:														
290.55	291.65	1.10	30Cl4Per 7Ca3Pat	Mottled overprinting Po														
291.65	296.55	4.90	30Cl4Per 10Ca3Pat															
DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:									
293.94		qv		-1 OC	48	180	-99 qv-	48/180/	1.2cm									
296.55		ct		-1 OC	65	320	-99 ct-	65/320/										
FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
290.00	291.65	1.65	M980319	3.740	FAOG_GRAV	1.5	0.0449	0.0136	0.0001	45.0	16.40	4.74	1	0	-1	-1	TR12194155	
291.65	294.00	2.35	M980320	0.090	FA_AAS	0.3	0.0160	0.0105	0.0001	35.0	9.14	1.53	-1	0	-1	-1	TR12194155	
294.00	296.55	2.55	M980321	0.037	FA_AAS	0.3	0.0126	0.0104	0.0001	22.0	7.92	1.75	1	0	-1	-1	TR12194155	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 296.67 298.44 1.77 Tfi50Bdf Mud50Bdf

Grey-green interbedded intermediate tuffs and mudstones.

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
296.55	299.75	3.20	M980322	0.044	FA_AAS	0.3	0.0160	0.0169	0.0001	26.0	7.90	1.88	3	0	-1	-1	TR12194155	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 298.44 299.75 1.31 Vfr100Frg

Dark green fine-medium grained poorly consolidated fragmental with subrounded fragments ranging from 0.2-3cm. Moderate pervasive carbonate alteration often concentrated and replacing fragments to give a pistachio-like green in likely in combination fine grained chl.

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
298.44		ct		-1 OC	60	275	-99	ct- 60/275/	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 299.75 302.82 3.07 Tfi90Bdf Tfm10Bdf

Green interbedded intermediate tuffs with rare dark green mafic tuffs.

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
299.75		ct		-1 OC	58	280	-99	ct- 58/280/	
302.20		s0		-1 CA	60	-99	-99	s0- 60//	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	SPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
299.75	303.00	3.25	M980323	0.035	FA_AAS	0.3	0.0137	0.0209	0.0001	27.0	8.08	1.72	1	0	-1	-1	TR12194155	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 302.82 313.85 11.03 Tfm100Msv

Dark green weakly bedded-massive mafic tufts.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
296.55	309.00	12.45	30Cl4Per 3Bi2Loc 1Ca2Pat	
309.00	314.00	5.00	30Cl4Per 20Ca3Per	Speckled medium-grained pyr 15%

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
303.26		qv		-1 OC	45	320	-99	qv- 45/320/	2.4cm

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	SPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
303.00	306.00	3.00	M980324	0.062	FA_AAS	0.5	0.0162	0.0139	0.0001	20.0	7.79	1.78	3	0	-1	-1	TR12194155	
306.00	309.00	3.00	M980325	0.040	FA_AAS	0.3	0.0089	0.0220	0.0001	24.0	7.42	0.99	1	0	-1	-1	TR12194155	
309.00	312.00	3.00	M980326	0.173	FA_AAS	1.1	0.0277	0.0377	0.0001	28.0	10.10	3.77	10	0	-1	-1	TR12194155	
312.00	315.00	3.00	M980327	0.140	FA_AAS	1.0	0.0211	0.0237	0.0001	28.0	8.62	2.93	10	0	-1	-1	TR12194155	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 313.85 331.4 17.55 Tfm45Msv Tfi45Bdf Mud10

Interbedded sequence of mafic-intermediate tufts with thin beds of mudstone.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
314.00	324.40	10.40	30Cl4Per 5Ca2Pat	
324.40	328.90	4.50	20Ca3Per 1Cl1Per	Pervasive overprinting spotted calcite.
328.90	331.40	2.50	15Si3Loc 10Ca3Per	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
314.38		s0		-1 OC	39	230	-99 s0-	39/230/	
318.36		s0		-1 OC	60	260	-99 s0-	60/260/	
322.72		qv		-1 CA	65	-99	-99 qv-	65//	6.0cm with Cl
322.98		qv		-1 CA	50	-99	-99 qv-	50//	2.0cm

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
315.00	318.00	3.00	M980328	0.125	FA_AAS	1.4	0.0205	0.0199	0.0001	17.0	7.78	2.17	1	0	-1	-1	TR12194155	
318.00	321.00	3.00	M980329	0.075	FA_AAS	0.6	0.0147	0.0201	0.0001	20.0	8.55	2.43	1	0	-1	-1	TR12194155	
321.00	324.00	3.00	M980331	0.195	FA_AAS	1.3	0.0214	0.0130	0.0009	27.0	10.35	5.30	7	0	-1	-1	TR12194155	
324.00	327.00	3.00	M980332	0.102	FA_AAS	1.1	0.0206	0.0059	0.0035	39.0	5.48	3.05	3	0	-1	-1	TR12194155	
327.00	330.00	3.00	M980333	0.097	FA_AAS	1.5	0.0266	0.0078	0.0011	26.0	5.69	3.08	0.01	0	-1	-1	TR12194155	
330.00	331.36	1.36	M980334	0.066	FA_AAS	1.5	0.0124	0.0068	0.0001	20.0	3.93	1.26	0.01	0	-1	-1	TR12194155	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 331.4 338.6 7.2 ldk100Por

Dark brown fine grained mafic dyke with well defined chilled margins upper and lower contact. Pervasively calcite speckled alteration with abundant calcite +-chl veinlets. Several large qtz+cal+chl qtz veins up to 5cm. Lower contact adjacent to underlying younger mafic dyke.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
331.40	338.60	7.20	20Ca3Per	Spotty overprinting calcite extendind through uppermost dyke but not deeper mafic dyke.

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
331.37		ct		-1 OC	28	340	-99 ct-	28/340/	
333.16		qv		-1 CA	43	-99	-99 qv-	43//	4.5cm
334.05		qv		-1 CA	60	-99	-99 qv-	60//	3.0cm with Chl and Cal
334.74		qv		-1 CA	70	-99	-99 qv-	70//	
334.92		ca		-1 CA	15	-99	-99 ca-	15//	50 over 4m
335.95		qv		-1 CA	50	-99	-99 qv-	50//	2.1cm with Chl and Cal
337.20		qv		-1 CA	45	-99	-99 qv-	45//	2.0cm with Chl and Cal
337.44		qv		-1 CA	42	-99	-99 qv-	42//	5.2cm with Chl and Cal

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
331.36	334.00	2.64	M980335	0.058	FA_AAS	0.3	0.0052	0.0140	0.0001	8.0	7.77	0.25	0.01	0	-1	-1	TR12194155	
334.00	336.57	2.57	M980336	0.286	FA_AAS	0.3	0.0056	0.0129	0.0001	2.5	7.50	0.26	0.01	0	-1	-1	TR12194155	
336.57	339.53	2.96	M980337	0.205	FA_AAS	0.3	0.0094	0.0158	0.0001	11.0	7.34	0.54	0.01	0	-1	-1	TR12194155	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 338.6 339.5 0.9 Mdk100Msv

Dark green textureless aphanetic mafic dyke. Appears to be a late event with no overprinting alteration and only weak harline fractures calcite-filled.

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
338.80		ct		-1 CA	47	-99	-99	ct- 47//	
339.14		ct		-1 CA	25	-99	-99	ct- 25//	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 339.5 396 56.5 Tfi100Bdf

Dark grey finely interbedded-massive fine-medium grained tuffs. Strong ubiquitous interstitial carbonate component- difficult to distinguish whether primary cement or flooded matrix.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
339.50	396.00	56.50	20Ca3Int 0.1Si3Loc	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
348.30		xv		-1 OC	30	210	-99	xv- 30/210/	4.9cm
356.13		s0		-1 OC	38	275	-99	s0- 38/275/	
361.60		qv		-1 CA	65	-99	-99	qv- 65//	3.4cm with Ak and Chl
362.22		lv		-1 CA	29	-99	-99	lv- 29//	3.5cm
363.87		s0		-1 OC	37	260	-99	s0- 37/260/	
371.38		s0		-1 OC	36	250	-99	s0- 36/250/	
375.94		qv		-1 OC	39	285	-99	qv- 39/285/	1.1cm
382.96		s0		-1 OC	48	350	-99	s0- 48/350/	
391.66		pa		-1 CA	26	-99	-99	pa- 26//	
395.39		s0		-1 OC	26	190	-99	s0- 26/190/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
339.53	342.00	2.47	M980338	0.097	FA_AAS	1.0	0.0078	0.0096	0.0001	14.0	3.78	0.61	0.01	0	-1	-1	TR12194155	
342.00	345.00	3.00	M980339	0.167	FA_AAS	0.5	0.0047	0.0102	0.0001	7.0	4.18	0.39	0.01	0	-1	-1	TR12194155	
345.00	348.00	3.00	M980340	0.020	FA_AAS	0.3	0.0064	0.0100	0.0001	10.0	4.44	0.47	0.01	0	-1	-1	TR12194155	
348.00	351.00	3.00	M980341	0.033	FA_AAS	0.6	0.0064	0.0100	0.0001	19.0	4.75	0.95	0.01	0	-1	-1	TR12194155	
351.00	354.00	3.00	M980342	0.023	FA_AAS	0.3	0.0055	0.0042	0.0001	12.0	4.14	0.55	0.01	0	-1	-1	TR12194155	
354.00	357.00	3.00	M980343	0.072	FA_AAS	0.3	0.0120	0.0036	0.0001	13.0	5.05	1.63	0.01	0	-1	-1	TR12194155	
357.00	360.00	3.00	M980344	0.029	FA_AAS	0.3	0.0094	0.0037	0.0001	11.0	4.79	1.12	0.01	0	-1	-1	TR12194155	
360.00	363.00	3.00	M980346	0.032	FA_AAS	0.3	0.0081	0.0039	0.0001	9.0	4.05	0.86	0.01	0	-1	-1	TR12194155	
363.00	366.00	3.00	M980347	0.025	FA_AAS	0.3	0.0074	0.0031	0.0001	8.0	4.17	0.91	0.01	0	-1	-1	TR12194155	
366.00	369.00	3.00	M980348	0.194	FA_AAS	1.3	0.0192	0.0047	0.0001	23.0	5.60	2.98	3	0	-1	-1	TR12194155	
369.00	372.00	3.00	M980349	0.206	FA_AAS	0.3	0.0055	0.0045	0.0001	11.0	3.51	0.42	0.01	0	-1	-1	TR12194155	
372.00	375.00	3.00	M980350	0.053	FA_AAS	0.3	0.0050	0.0057	0.0001	9.0	3.54	0.38	2	0	-1	-1	TR12194155	
375.00	378.00	3.00	M980352	2.120	FAOG_GRAV	0.5	0.0114	0.0083	0.0004	15.0	4.17	0.90	6	0	-1	-1	TR12194155	
378.00	381.00	3.00	M980353	0.086	FA_AAS	0.3	0.0050	0.0110	0.0001	7.0	3.68	0.36	2	0	-1	-1	TR12194155	
381.00	384.00	3.00	M980354	0.277	FA_AAS	0.8	0.0120	0.0315	0.0001	26.0	5.34	1.34	4	0	-1	-1	TR12194155	
384.00	387.00	3.00	M980355	0.105	FA_AAS	0.7	0.0061	0.0118	0.0001	18.0	4.11	0.74	4	0	-1	-1	TR12194155	
387.00	390.00	3.00	M980356	0.023	FA_AAS	0.3	0.0040	0.0080	0.0001	9.0	3.54	0.39	4	0	-1	-1	TR12194155	
390.00	393.00	3.00	M980357	0.036	FA_AAS	0.8	0.0086	0.0148	0.0001	16.0	4.10	0.89	4	0	-1	-1	TR12194155	
393.00	396.00	3.00	M980358	0.031	FA_AAS	1.0	0.0049	0.0161	0.0001	14.0	3.92	0.48	3	0	-1	-1	TR12194155	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 396 413 17 Tfi100Bdf

Same lithology as above with significant increase in calcite/carbonate alteration with sections with little to no primary textures visible.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
396.00	401.90	5.90	65Ca4Per	
401.90	402.50	0.60	60Si4Pat 5Ca2Int	
402.50	404.00	1.50	60Ca4Per	
404.00	406.80	2.80	20Cl3Pat 5Ca2Pat	
406.80	409.70	2.90	40Ca4Per 10Cl2Per	
409.70	413.00	3.30	40Ca4Per	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
397.95		lv		-1 OC	46	70	-99 lv-	46/70/	
398.54		s0		-1 OC	50	195	-99 s0-	50/195/	
401.15		pa		-1 OC	50	255	-99 pa-	50/255/	
408.12		pv		-1 OC	25	170	-99 pv-	25/170/	
412.15		s0		-1 OC	47	55	-99 s0-	47/55/	

FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:
405.05	405.25	0.20	Fto		3 Fto3	
406.40	407.23	0.83	Fto		3 Fto3	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%:	ASP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
396.00	399.00	3.00	M980359	0.054	FA_AAS	0.7	0.0028	0.0145	0.0001	6.0	3.53	0.30	1	0	-1	-1	TR12194155	
399.00	402.00	3.00	M980361	0.161	FA_AAS	1.7	0.0057	0.1525	0.0004	28.0	4.73	2.20	10	0	-1	1	TR12194155	
402.00	405.00	3.00	M980362	0.064	FA_AAS	0.6	0.0052	0.0501	0.0001	21.0	3.46	1.22	4	0	-1	0.01	TR12194155	
405.00	408.00	3.00	M980363	0.177	FA_AAS	4.3	0.0102	0.1835	0.0059	85.0	6.28	3.32	5	0	-1	1	TR12194155	
408.00	411.00	3.00	M980364	0.047	FA_AAS	0.9	0.0057	0.0350	0.0030	25.0	4.67	1.31	5	0	-1	0.01	TR12194155	
411.00	414.00	3.00	M980365	0.033	FA_AAS	0.5	0.0073	0.0174	0.0002	22.0	5.58	1.33	5	0	-1	-1	TR12194155	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 413 456.7 43.7 Tfm100Msv

Dark grey finely interbedded-massive fine-medium grained tuffs. Strong ubiquitous interstitial carbonate component- difficult to distinguish whether primary cement or flooded matrix.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
413.00	414.00	1.00	5Cl2Pat 1Ca2Per	
414.00	421.00	7.00	25Ca3Int 3Cl2Pat	
421.00	433.00	12.00	30Ca3Int 5Cl3Pat	
433.00	440.00	7.00	15Cl3Per	
440.00	441.50	1.50	20Ca3Per	
441.50	444.77	3.27	20Ca3Int 10Cl3Per	
444.77	451.80	7.03	25Ca3Int	
451.80	452.20	0.40	30Cl4Loc	surrounding 0.5cm calcite+sphalerite vein
452.20	459.00	6.80	0.5Cl1Per	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
413.88		xa		-1 CA	48	-99	-99	xa- 48//	
421.71		s0		-1 OC	54	160	-99	s0- 54/160/	
431.08		s0		-1 OC	53	190	-99	s0- 53/190/	
432.84		qv		-1 OC	39	45	-99	qv- 39/45/	
438.68		xv		-1 OC	58	5	-99	xv- 58/5/	
443.45		qv		-1 OC	15	210	-99	qv- 15/210/	
447.28		qv		-1 OC	26	150	-99	qv- 26/150/	
447.70		xv		-1 OC	38	50	-99	xv- 38/50/	
451.64		s0		-1 OC	35	310	-99	s0- 35/310/	
454.13		qv		-1 CA	68	-99	-99	qv- 68//	17.1cm with Chl

FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:
418.57	418.58	0.01	Gge		2 Gge2	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%:	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
414.00	417.00	3.00	M980366	0.026	FA_AAS	0.5	0.0062	0.0569	0.0007	24.0	5.28	0.89	4	0	-1	1	TR12194155	
417.00	420.00	3.00	M980367	0.014	FA_AAS	0.3	0.0048	0.0161	0.0001	13.0	5.13	0.93	3	0	-1	-1	TR12194155	
420.00	423.00	3.00	M980368	0.009	FA_AAS	0.3	0.0044	0.0102	0.0001	10.0	4.47	0.64	3	0	-1	-1	TR12194155	
423.00	426.00	3.00	M980369	0.027	FA_AAS	0.3	0.0116	0.0135	0.0001	14.0	5.33	0.57	1	0	-1	-1	TR12194155	
426.00	429.00	3.00	M980370	0.018	FA_AAS	0.5	0.0139	0.0116	0.0008	8.0	4.30	0.41	1	0	-1	-1	TR12194155	
429.00	432.00	3.00	M980371	0.003	FA_AAS	0.3	0.0003	0.0141	0.0008	7.0	3.70	0.39	1	0	-1	-1	TR12194155	
432.00	435.00	3.00	M980372	0.019	FA_AAS	2.7	0.0050	0.2690	0.0005	26.0	6.89	1.63	4	0	-1	1	TR12194155	
435.00	437.00	2.00	M980373	0.119	FA_AAS	8.5	0.0154	0.6810	0.0003	57.0	10.35	2.49	4	0	-1	2	TR12199609	
437.00	439.00	2.00	M980374	0.317	FA_AAS	15.7	0.0576	1.2600	0.0002	60.0	9.52	3.19	5	0	-1	4	TR12199609	
439.00	441.00	2.00	M980376	0.024	FA_AAS	1.7	0.0032	0.1130	0.0002	13.0	4.91	0.42	1	0	-1	0.01	TR12199609	
441.00	444.00	3.00	M980377	0.056	FA_AAS	6.0	0.0026	0.1920	0.0001	29.0	5.79	1.34	2	0	-1	1	TR12199609	
444.00	447.00	3.00	M980378	0.003	FA_AAS	0.3	0.0001	0.0236	0.0001	7.0	3.04	0.02	0.01	0	-1	-1	TR12199609	
447.00	450.00	3.00	M980379	0.030	FA_AAS	1.3	0.0033	0.1160	0.0004	13.0	4.65	0.54	2	0	-1	1	TR12199609	
450.00	453.00	3.00	M980380	0.005	FA_AAS	0.6	0.0020	0.0772	0.0001	11.0	4.06	0.10	3	0	-1	0.01	TR12199609	
453.00	456.00	3.00	M980381	0.020	FA_AAS	1.7	0.0087	0.0777	0.0001	19.0	5.63	0.69	3	0	-1	0.5	TR12199609	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-29 456.7 457.1 0.4 Mdk100

Dark green textureless aphanetic mafic dyke. Appears to be a late event with no overprinting alteration and only weak harline fractures calcite-filled.

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-29 457.1 459 1.9 Tfm100Msv

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
456.00	459.00	3.00	M980382	0.075	FA_AAS	6.6	0.0280	0.8590	0.0001	21.0	8.10	1.60	4	0	-1	1	TR12199609	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-29 459 475.7 16.7 Tfm100Msv

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
459.00	463.00	4.00	15Cl3Per	
463.00	475.70	12.70	25Ca3Int	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
462.84		qv		-1 CA	50	-99	-99	qv- 50//	
472.39		s0		-1 OC	56	100	-99	s0- 56/100/	
475.52		ct		-1 OC	20	200	-99	ct- 20/200/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
459.00	462.00	3.00	M980383	0.431	FA_AAS	10.0	0.0405	0.6840	0.0001	56.0	11.70	3.43	10	0	-1	0.01	TR12199609	
462.00	465.00	3.00	M980384	0.031	FA_AAS	2.9	0.0040	0.0447	0.0001	13.0	4.55	0.27	1	0	-1	-1	TR12199609	
465.00	468.00	3.00	M980385	0.027	FA_AAS	0.6	0.0071	0.0166	0.0001	8.0	3.84	0.28	1	0	-1	-1	TR12199609	
468.00	471.00	3.00	M980386	0.202	FA_AAS	0.3	0.0053	0.0143	0.0001	2.5	3.88	0.35	1	0	-1	-1	TR12199609	
471.00	474.00	3.00	M980387	0.021	FA_AAS	1.2	0.0061	0.0153	0.0006	5.0	3.65	0.16	0.01	0	-1	-1	TR12199609	
474.00	475.54	1.54	M980388	0.053	FA_AAS	2.0	0.0094	0.0356	0.0001	28.0	4.88	0.99	3	0	-1	-1	TR12199609	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-29 475.7 476.7 1 MSv100

Low angle calcite+sp+pyr vein

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
476.39		ct		-1 OC	35	175	-99	ct- 35/175/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
475.54	477.11	1.57	M980389	0.748	FA_AAS	42.3	0.1070	2.3600	0.0001	72.0	9.78	7.52	15	0	-1	4	TR12199609	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 476.7 484 7.3 Tfm100Msv

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
476.70	490.55	13.85	25Ca3Int	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
479.45		xv		-1 OC	14	10	-99 xv-	14/10/	
479.75		qv		-1 OC	35	250	-99 qv-	35/250/	4.2cm
481.43		qv		-1 OC	33	50	-99 qv-	33/50/	1.9cm with Gal
483.71		qv		-1 OC	43	105	-99 qv-	43/105/	6.2cm

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%:	ASPYP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
477.11	480.00	2.89	M980391	0.019	FA_AAS	0.5	0.0083	0.0207	0.0001	24.0	6.12	0.96	3	0	-1	-1	TR12199609	
480.00	483.00	3.00	M980392	0.011	FA_AAS	0.3	0.0052	0.0126	0.0001	16.0	3.42	0.31	2	0	-1	-1	TR12199609	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 484 490.55 6.55 Tfm100Bdf

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
486.63		s0		-1 OC	65	130	-99 s0-	65/130/	
489.84		s0		-1 OC	60	60	-99 s0-	60/60/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%:	ASPYP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
483.00	486.00	3.00	M980393	0.020	FA_AAS	0.3	0.0028	0.0194	0.0001	7.0	3.33	0.11	1	0	-1	-1	TR12199609	
486.00	489.00	3.00	M980394	0.061	FA_AAS	0.6	0.0059	0.0286	0.0001	14.0	3.98	0.38	2	0	-1	-1	TR12199609	
489.00	492.00	3.00	M980395	0.133	FA_AAS	0.3	0.0036	0.0142	0.0001	11.0	4.37	0.37	2	0	-1	-1	TR12199609	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 490.55 491.15 0.6 Mdk100Por

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 491.15 492.65 1.5 Tfm100Bdf

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
491.14		ct		-1 OC	19	10	-99 ct-	19/10/	
491.82		qv		-1 OC	33	160	-99 qv-	33/160/	3.0cm

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 492.65 493.75 1.1 Mdk100Por

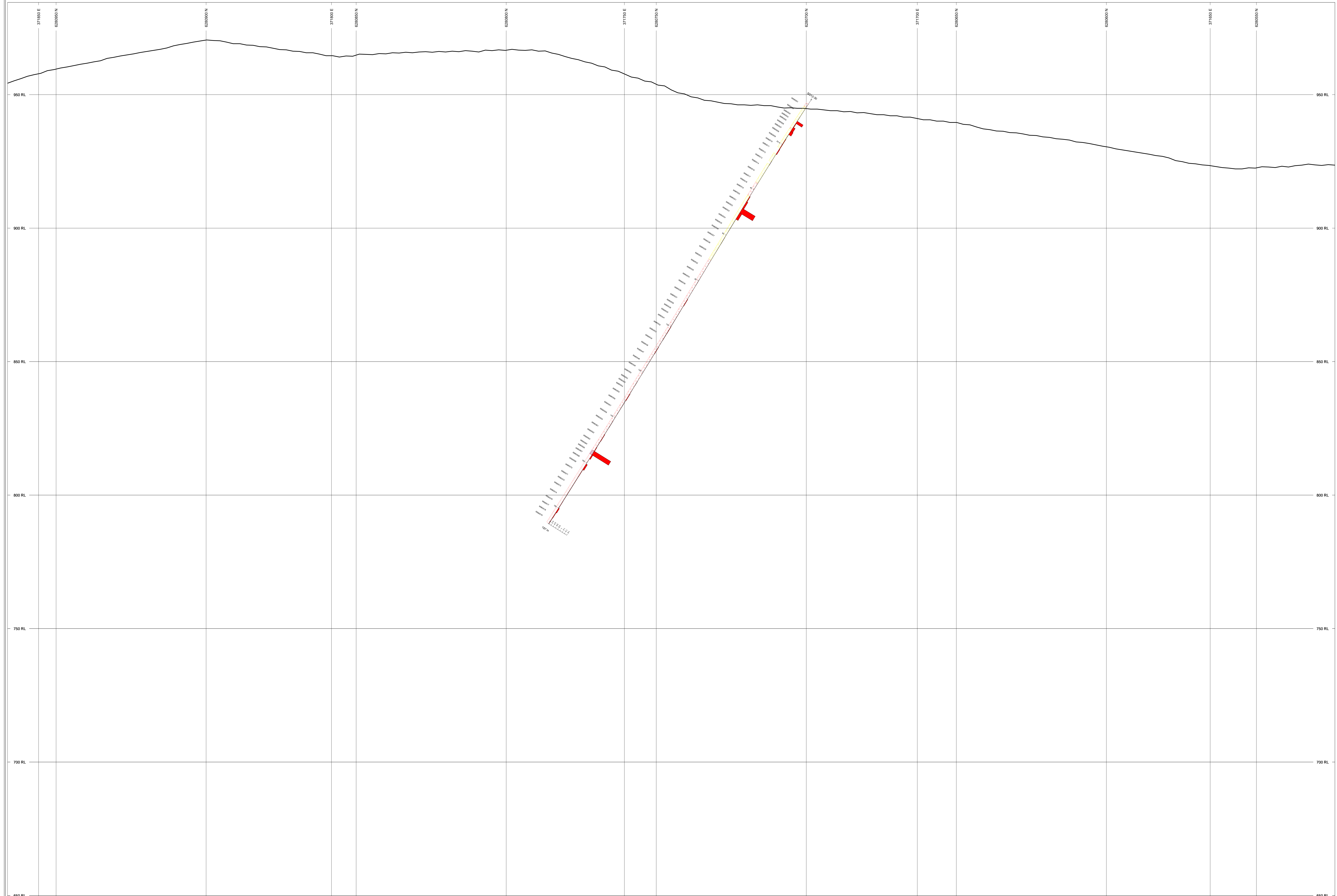
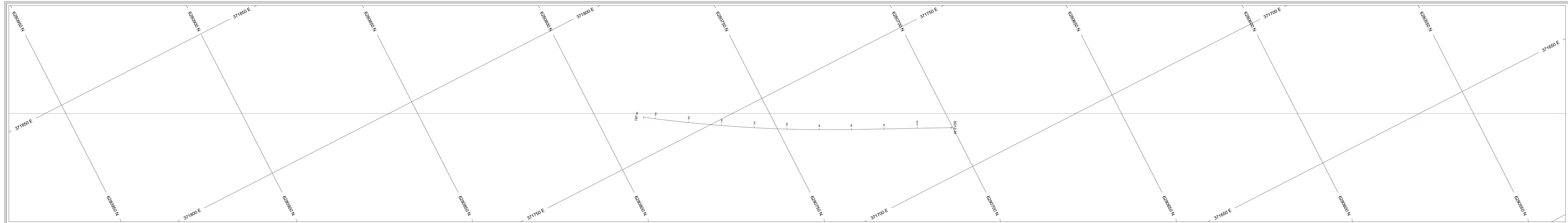
DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
493.68		ct		-1 CA	26	-99	-99	ct- 26//	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-29 493.75 507 13.25 Tfm50Msv Tfi50Bdf

EOH

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
497.16		qv		-1 OC	35	310	-99	qv- 35/310/	8.7cm with Chl
499.39		qv		-1 OC	64	275	-99	qv- 64/275/	3.9cm
499.93		s0		-1 OC	64	260	-99	s0- 64/260/	
504.66		jn		-1 OC	39	225	-99	jn- 39/225/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
492.00	495.00	3.00	M980396	0.042	FA_AAS	0.3	0.0037	0.0127	0.0001	7.0	4.83	0.25	0.01	0	-1	-1	TR12199609	
495.00	498.00	3.00	M980397	0.065	FA_AAS	0.6	0.0081	0.0184	0.0001	22.0	4.41	0.89	3	0	-1	-1	TR12199609	
498.00	501.00	3.00	M980398	0.033	FA_AAS	0.7	0.0084	0.0447	0.0003	16.0	3.79	0.71	3	0	-1	-1	TR12199609	
501.00	504.00	3.00	M980399	0.024	FA_AAS	0.8	0.0075	0.0077	0.0003	11.0	3.72	0.41	2	0	-1	-1	TR12199609	
504.00	507.15	3.15	M980401	0.011	FA_AAS	0.3	0.0044	0.0302	0.0002	10.0	3.80	0.21	0.01	0	-1	-1	TR12199609	



TOPOGRAPHY

DEM

BAR GRAPHS

ALPHA	B	CC

ROCK CODES

UPL Code	PAT	LABEL	DESCRIPTION
TR	Diagonal lines	TR	Tuff - Intermediate
IK	Horizontal lines	IK	Intermediate Dike/Sill
MS	Vertical lines	MS	Massive Basaltic, No YMS
TR	Diagonal lines	TR	Tuff - Feels

POSTED TEXT

Symbol	L	TEXT	ITEMS

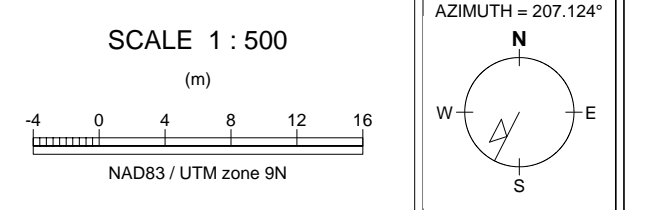
SECTION SPECS:

REF. PT. E, N: 371742 m, 6281146 m

EXTENTS: 487 m, 345.7 m

SECTION TOP, BOT: 864.6 m, 638.9 m

TOLERANCE: ± 50 m



Iskut Property (SGG.TSX)
 Iskut Property (SG12-30)
 371742E SECTION
 Cross-Section: 28200BE



HOLE-ID: **SG12-30**
 UTM East: 371,715.00
 UTM North: 6,280,701.00
 Elevation: 946.00
 Length (m): 186.80
 ZONE: Johnny Flats
 Collar CrossSection:

Drill Company: NoLimitDrilling
 Logged By:
 Operator:
 Purpose:
 Casing:
 Year: 2012
 Proposed HID: PF_A09b

DISTANCE:	AZIMUTH:	DIP:	SURVEYTYPE:	COMMENTS:
40.00	25.90	-58.30	ReflexGyro	
80.00	27.50	-58.90	ReflexGyro	
75.00	27.20	-58.90	ReflexGyro	
70.00	26.80	-58.90	ReflexGyro	
65.00	26.50	-58.90	ReflexGyro	
60.00	26.20	-58.80	ReflexGyro	
55.00	26.20	-58.70	ReflexGyro	
0.00	26.00	-56.60	ReflexGyro	
45.00	26.00	-58.50	ReflexGyro	
95.00	28.50	-58.80	ReflexGyro	
35.00	26.00	-58.10	ReflexGyro	
30.00	26.00	-58.00	ReflexGyro	
25.00	26.00	-57.70	ReflexGyro	
20.00	26.00	-57.50	ReflexGyro	
15.00	26.20	-57.20	ReflexGyro	
10.00	26.20	-57.00	ReflexGyro	
5.00	26.20	-56.90	ReflexGyro	
50.00	26.10	-58.60	ReflexGyro	
130.00	31.00	-58.30	ReflexGyro	
175.00	33.90	-57.70	ReflexGyro	
170.00	33.50	-57.80	ReflexGyro	
165.00	33.30	-57.90	ReflexGyro	
160.00	33.00	-58.00	ReflexGyro	
155.00	32.60	-57.90	ReflexGyro	
150.00	32.20	-57.90	ReflexGyro	
145.00	31.90	-58.10	ReflexGyro	
85.00	27.80	-58.90	ReflexGyro	
135.00	31.30	-58.10	ReflexGyro	
90.00	28.20	-58.80	ReflexGyro	
125.00	30.70	-58.40	ReflexGyro	
120.00	30.30	-58.50	ReflexGyro	
115.00	30.00	-58.60	ReflexGyro	
110.00	29.60	-58.60	ReflexGyro	
105.00	29.20	-58.70	ReflexGyro	
100.00	28.90	-58.70	ReflexGyro	

DISTANCE:	AZIMUTH:	DIP:	SURVEYTYPE:	COMMENTS:
180.00	34.30	-57.60	ReflexGyro	
140.00	31.60	-58.10	ReflexGyro	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-30 0 2 2 Ovb100

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-30 2 3.55 1.55 Idk50Msv Tfi50Bdf

Broken zone of intermediate fine grained to ashy tuff intruded by several thin fingers of intermediate intrusive material. See below for description.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
2.00	3.55	1.55	100Ks2Per 5Ox3Frc	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%:	ASP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
2.00	4.95	2.95	M980501	0.003	FA_AAS	0.6	0.0083	0.0266	0.0001	15.0	5.16	1.34	1	0	-1	-1	TR12199609	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-30 3.55 4.95 1.4 Tff100Bdf

Fine grained, weakly bleached after weak, patchy potassic alteration, beige felsic tuff. Upper contact is broken and lower contact is gradational - more a product of subtle changes in alteration. Tuff is finely bedded with pyrrhotite-healed fractures at various angles TCA as well as pyrrhotite clots and oxidized fracture surfaces (likely due to surface processes).

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
3.55	3.95	0.40	100BI2Per 5Ox3Frc	
3.95	5.95	2.00	100Ks2Per 3Ox3Frc	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-30 4.95 13.01 8.06 Tff85Bdf ldk15Msv

Light grey-purple, felsic tuff intruded by several small, cm- to m-scale intermediate dykes with postassic alteration. Contacts between the two units are vague and sometimes appear gradational which may indicate interbedded volcanics however the texture of the "dykes" look intrusive and they will be referred to as intermediate intrusive for the purposes this log. Intrusives appear porphyritic in places (more so downhole) and may be fingers extending away from a proximal porphyry system. Tuffs are finely bedded and ashy to fine grained. Entire package is postassic altered with a baked appearance to the tuffs; intrusives are weakly calcitic.

10.05-10.35m: calcite + pyrite + sphalerite + galena vein

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
5.95	10.05	4.10	100Ks2Per	
10.05	10.55	0.50	80Ks2Per 50BI1Per 10CI1Pat	weak potassic and chlorite alteration with weak bleaching below a calcite-pyrite-sphalerite vein from 10.05-10.34m
10.55	13.01	2.46	90Ks2Per 65BI1Per	weak potassic alteration throughout with bleached or baked looking horizons

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
8.72		S0		-1 OC	55	205	-99 S0-	55/205/	
10.05		xv		-1 CA	35	-99	-99 xv-	35//	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPYP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
4.95	7.90	2.95	M980502	0.003	FA_AAS	0.3	0.0098	0.0115	0.0001	2.5	4.32	0.79	1	0	0.01	-1	TR12199609	
7.90	9.65	1.75	M980503	0.008	FA_AAS	0.5	0.0071	0.0112	0.0001	39.0	4.47	1.70	5	0	-1	-1	TR12199609	
9.65	10.65	1.00	M980504	0.531	FA_AAS	12.5	0.0111	1.2650	0.0001	265.0	9.44	8.41	7	0	-1	2	TR12199609	
10.65	12.40	1.75	M980505	0.044	FA_AAS	2.1	0.0214	0.0234	0.0001	48.0	4.70	2.12	2	0	0.01	-1	TR12199609	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-30 13.01 13.5 0.49 ldk100Por

Light greyish-purple, porphyritic intermediate dyke composed of 25% white, subhedral feldspar phenocrysts up to 3mm. Weakly calcitic and potassic altered with abundant finely disseminated pyrrhotite and pyrite. Sharp upper and lower contacts at steep angles TCA.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
13.01	13.51	0.50	100Ks2Per	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
13.01		ct		-1 OC	44	180	-99 ct-	44/180/	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-30 13.5 21.75 8.25 Tff100Bdf

Light greyish-purple, finely bedded, fine grained to ashy felsic tuff with weak potassic alteration and an overall baked appearance. Unit is cut by several pyrrhotite +/- calcite healed fractures (and pyrrhotite arrays) at various angles TCA, with occasional diffuse pods of finely disseminated pyrite + pyrrhotite extending from some of the micro-fractures. Other sulphides are vein hosted:

14.17-14.35m: quartz + calcite + minor pyrrhotite + chalcopryite + pyrite vein

14.75-14.79: chalcopryite + pyrrhotite + calcite vein

14.86-14.95m: calcite + biotite + pyrrhotite + chalcopryite vein

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
13.51	18.70	5.19	100B1Per 50Ks1Pat	bleached or baked appearance over patchy potassic alteration
18.70	24.05	5.35	100B1Per 40Ks1Pat 1Ox3Frc	same as above but with oxidization on about 20% of fracture / joint surfaces and slightly less potassic alteration

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
14.15		qv		-1 OC	50	20	-99	qv- 50/20/	
14.73		xv		-1 OC	30	255	-99	xv- 30/255/	
14.85		cv		-1 OC	65	310	-99	cv- 65/310/	
16.06		xa		-1 OC	40	330	-99	xa- 40/330/	5 over 1m
20.97		S0		-1 OC	54	190	-99	S0- 54/190/	
21.40		xv		-1 OC	40	5	-99	xv- 40/5/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
12.40	14.15	1.75	M980506	0.178	FA_AAS	21.7	0.1655	0.1245	0.0001	78.0	6.10	3.14	3	0	-1	-1	TR12199609	
14.15	15.65	1.50	M980507	0.218	FA_AAS	26.6	0.3160	0.0549	0.0001	159.0	7.07	4.86	1	0	3	-1	TR12199609	
15.65	17.65	2.00	M980508	0.010	FA_AAS	1.9	0.0111	0.0668	0.0001	6.0	4.57	1.41	2	0	-1	0.01	TR12199609	
17.65	20.15	2.50	M980509	0.033	FA_AAS	3.2	0.0096	0.1475	0.0001	8.0	5.07	1.66	1	0	-1	0.01	TR12199609	
20.15	22.15	2.00	M980510	0.037	FA_AAS	4.7	0.0115	0.2570	0.0001	31.0	5.56	2.68	1	0	0.01	0.01	TR12199609	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-30 21.75 24.3 2.55 Ovb100

Mineralized Zone, not massive or VMS

Felsic tuff and intermediate porphyritic dyke-hosted mineralized zone with approximately 30% pyrrhotite + pyrite. Pyrrhotite and pyrite are finely disseminated within irregular "pods" that appear to surround microfracturing within the tuff. Within the porphyritic dyke pyrrhotite + pyrite clots show a more uniform distribution throughout.

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
23.33		ct		-1 OC	41	330	-99	ct- 41/330/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
22.15	24.40	2.25	M980511	0.061	FA_AAS	6.1	0.0115	0.1235	0.0001	100.0	8.15	5.91	5	0	-1	-1	TR12199609	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-30 24.3 27.85 3.55 Tff100Bdf

Light greyish-purple, finely bedded, fine grained to ashy tuff as described above. Weak, patchy, potassic alteration with an overall "baked" appearance to the unit. Tuff is intruded by several pyrrhotite +/- calcite healed fractures at various angles TCA and contains a few "pods" of disseminated pyrite + pyrrhotite as observed in the mineralized zone above.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
24.05	29.25	5.20	100B11Per 15Ks1Pat	"bleached or baked appearance over patchy potassic alteration, less potassic alteration then above"

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
24.91		s1		-1 OC	55	185	-99 s1-	55/185/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPYP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
24.40	27.40	3.00	M980512	0.003	FA_AAS	1.0	0.0077	0.0104	0.0001	2.5	4.69	1.46	0.01	0	-1	-1	TR12199609	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-30 27.85 28.9 1.05 Ovb100Bdf

Mineralized Zone, not massive or VMS

Felsic-tuff hosted mineralized zone with 15% pyrrhotite + pyrite + sphalerite + galena. Pyrrhotite and pyrite are similar to above mineralized zone (disseminated in irregular pods around microfractures); while sphalerite + galena (trace) occur in stringers that intrude the tuff at erratic angles TCA in the bottom half of the MNZ.

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPYP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
27.40	29.25	1.85	M980513	0.013	FA_AAS	4.8	0.0081	0.1405	0.0002	25.0	5.02	2.19	3	0	-1	2	TR12199609	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:

SG12-30 28.9 37.15 8.25 Tff95Bdf ldk5Msv

Light greyish-purple felsic tuff as described above and intruded by several small (mm-scale) felsic dyklets which increase towards the basal contact. Tuff is characterized by patchy alteration and is weakly sheared or deformed from approximately 34-36m. Intermediate dyklets are small and are generally characterized by diffuse contacts. Units is intruded by pyrrhotite and/or calcite-infilled microfractures and fractures (less than above units).

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
29.25	34.83	5.58	60Ks2Pat 40B11Pat	"more patchy appearance of localised bleached or baked ""beds"" and potassic altered beds. Bleached or baked appeared decrease downhole as potassic altered patch increase"

34.83	39.00	4.17	100Ks2Per	
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DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
30.38		xa		-1 OC	55	205	-99 xa-	55/205/	6 over 0.5m
30.57		ca		-1 OC	55	105	-99 ca-	55/105/	5 over 0.5m
34.11		qv		-1 OC	40	110	-99 qv-	40/110/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPYP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
29.25	32.25	3.00	M980514	0.003	FA_AAS	0.5	0.0111	0.0078	0.0001	2.5	4.90	1.50	0.01	0	0.01	-1	TR12199609	
32.25	35.25	3.00	M980516	0.003	FA_AAS	0.3	0.0087	0.0086	0.0004	7.0	4.55	1.23	0.01	0	-1	-1	TR12199609	
35.25	38.00	2.75	M980517	0.003	FA_AAS	0.5	0.0068	0.0143	0.0001	2.5	4.89	1.14	0.01	0	0.01	-1	TR12199609	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-30 37.15 43 5.85 Idk90Por Tff10Bdf

Porphyritic, intermediate, purplish intrusive dykes with potassic alteration intruding occasional beds of purplish-grey felsic tuff. Dyke contacts are sharp and the upper contact is associated with a thin pyrrhotite + chalcopyrite stringer.

Tuff beds are typically cut by pyrrhotite and/or calcite fracture infills, while the dykes contain a fairly uniform distribution of pyrrhotite + pyrite clots (up to 12%).

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
39.00	39.44	0.44	100Bl1Per 50Ks2Pat 1Ox3Frc	bleached zone below a quartz-calcite-pyrrhotite-pyrite vein from 39.40-39.14m; basal oxidised fracture coating
39.44	43.50	4.06	100Ks3Per	

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
37.15		ct		-1 OC	64	210		-99 ct- 64/210/	
39.04		qv		-1 OC	38	150		-99 qv- 38/150/	
41.19		ca		-1 OC	48	180		-99 ca- 48/180/	20 over 3m

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
38.00	40.00	2.00	M980518	0.003	FA_AAS	0.5	0.0072	0.0110	0.0001	10.0	5.49	1.48	0.01	0	0.01	-1	TR12199609	
40.00	43.00	3.00	M980519	0.003	FA_AAS	0.8	0.0094	0.0116	0.0001	173.0	5.75	1.43	-1	0	0.01	-1	TR12199609	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-30 43 70.95 27.95 Tff85Bdf Idk15Por

Interfingered felsic tuff and intermediate weakly porphyritic, intermediate intrusions as described above but with tuff dominating the unit. Tuffs are felsic to intermediate, light grey to light grey-brown, final bedded and variably altered. Intrusives are as described above and are generally cm-scale with some sharp contacts and some vague gradational contacts.

Mineralization is similar to above with pyrite become more abundant than pyrrhotite downhole. As above, sulphides occur as pyrite +/- pyrrhotite fracture infills, pyrite +/- pyrrhotite disseminated in patches; sphalerite + galena in stringers and veins; Qca or Qak vein hosted chalcopryrite; arsenopyrite is finely disseminated around 57.6m and occurs within some quartz veins. Late stage, barren quartz-calcite veins x-cut pyrite +/- pyrrhotite veins and offset them or truncate them in places.

48.69-49.0m: Quartz-ankerite vein with pyrite + pyrrhotite and a weak chlorite alteration halo

51.90-52.23m: Semi-massive pyrite + pyrrhotite veins

57.58-57.70m: 3-5% finely disseminated arsenopyrite directly downhole of a pyrrhotite vein

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
43.50	44.25	0.75	100BI2Per 25Ks1Pat 2Ox4Frc	"oxidized on one fracture surface, leached 5mm into rock"
44.25	48.70	4.45	75Ks2Pat 25BI2Pat	"patchy potassic alteration and bleached ""beds"", bleaching overprints potassic alteration and occurs around py + pyrrh veins and stringers and in areas with increased qc veining"
48.70	49.00	0.30	50Qz5Per 50Cl2Per 50BI2Per	"bleached, chlorite altered halo around a quartz-ankerite flooded zone with abundant pyrite"
49.00	50.06	1.06	50Ks2Pat 50BI2Loc 50CI1Loc	patchy potassic alteration with weak bleaching and chlorite alteration around quartz-calcite veining with chalcopryrite + galena + pyrrhotite
50.06	91.00	40.94	70Ks3Pat 40BI2Loc 20CI1Loc	"patchy alteration that is better described as beds of alteration with beds of potassic alteration and bleached beds sometimes with very weak chlorite alteration; some sect bleached weak potassic alteration. Bleaching + chlorite alteration sometimes occurs as envelopes around py +/-pyrrh veins or associated with increased microfracturing (c , quartz+calcite, or calcite-healed) but is predominantly ""bedded"" and may be confined to distinct lithologies"

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
44.43		s1		-1 OC	48	195	-99 s1-	48/195/	
44.85		s0		-1 OC	58	200	-99 s0-	58/200/	
46.59		ct		-1 OC	67	105	-99 ct-	67/105/	
46.78		ct		-1 OC	31	210	-99 ct-	31/210/	
46.90		cv		-1 OC	43	45	-99 cv-	43/45/	
48.86		qv		-1 OC	44	260	-99 qv-	44/260/	
52.20		xa		-1 OC	28	35	-99 xa-	28/35/	4 over 0.5m
55.85		ct		-1 OC	70	210	-99 ct-	70/210/	
57.57		xv		-1 OC	55	20	-99 xv-	55/20/	
57.67		s0		-1 OC	70	205	-99 s0-	70/205/	
61.55		s0		-1 OC	63	355	-99 s0-	63/355/	
63.91		xv		-1 OC	45	280	-99 xv-	45/280/	"with sphal, gal, po"
64.08		qv		-1 OC	40	150	-99 qv-	40/150/	
67.13		s0		-1 OC	62	95	-99 s0-	62/95/	
68.77		xv		-1 OC	48	230	-99 xv-	48/230/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%:	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
43.00	45.25	2.25	M980520	0.052	FA_AAS	1.3	0.0107	0.0473	0.0002	132.0	6.49	4.54	5	0	-1	-1	TR12199609	
45.25	48.25	3.00	M980521	0.121	FA_AAS	2.8	0.0096	0.0350	0.0001	112.0	5.18	2.43	4	0	-1	0.01	TR12199609	
48.25	50.25	2.00	M980522	1.130	FA_AAS	29.3	0.1370	0.0744	0.0001	226.0	6.03	5.26	6	0	1	0.01	TR12199609	
50.25	53.00	2.75	M980523	0.193	FA_AAS	8.7	0.1055	0.0166	0.0001	366.0	8.23	7.51	7	0	0.01	-1	TR12199609	
53.00	56.00	3.00	M980524	0.009	FA_AAS	0.8	0.0085	0.0259	0.0001	560.0	3.45	0.94	1	0.01	-1	-1	TR12199609	
56.00	58.00	2.00	M980525	0.009	FA_AAS	1.1	0.0075	0.0342	0.0001	1,440.0	4.76	1.69	1	1	0.01	-1	TR12199609	
58.00	61.00	3.00	M980526	0.005	FA_AAS	0.6	0.0069	0.0239	0.0001	529.0	4.36	0.91	-1	0.01	-1	-1	TR12199609	
61.00	64.00	3.00	M980527	0.010	FA_AAS	1.6	0.0090	0.1150	0.0001	487.0	4.25	0.99	0.01	0	0.01	0.01	TR12199609	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
64.00	67.00	3.00	M980528	0.005	FA_AAS	1.5	0.0100	0.1060	0.0001	498.0	4.18	1.15	1	0	0.01	-1	TR12199609	
67.00	70.00	3.00	M980529	0.003	FA_AAS	0.7	0.0091	0.0163	0.0001	583.0	4.78	1.24	0.01	0	0.01	-1	TR12199609	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-30 70.95 100.16 29.21 Idk60Por Tff40Bdf

Same as above with an increased abundance of intermediate intrusives and an increase in overall width of the intrusions (up to m-scale). Intermediate intrusives are slightly coarser grained and more porphyritic than overlying units, and the basal contacts tend to be sharp with upper contacts more "gradational" and difficult to pinpoint.

Sulphides and style of mineralization are same as above; with the introduction of low angle pyrite-healed fractures (listed as pyrite-array in structure log) from 95.5-96.5m.

Increased quartz and quartz-calcite vein (late-stage, barren veins) from 98-100m.

88.50m: 3cm quartz vein with 3% galena and sphalerite

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
91.00	101.70	10.70	90Ks3Int 10BI2Loc	"unit dominated by potassic alteration with rare, thin bleached horizons around areas with increased fracturing and microfracturing (pyrite or quartz-calcite healed)"

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
70.95		ct		-1 OC	68	255		-99 ct- 68/255/	
73.25		ca		-1 OC	45	325		-99 ca- 45/325/	7 over 1m
75.93		qv		-1 OC	58	15		-99 qv- 58/15/	
77.52		xv		-1 OC	27	325		-99 xv- 27/325/	
80.20		qv		-1 OC	58	315		-99 qv- 58/315/	
84.53		qv		-1 OC	75	315		-99 qv- 75/315/	
87.63		ct		-1 OC	70	10		-99 ct- 70/10/	
90.88		ct		-1 OC	55	340		-99 ct- 55/340/	5 cm Felsic dyke
92.77		qv		-1 OC	80	260		-99 qv- 80/260/	"with Ars, Py"
93.75		pv		-1 OC	13	55		-99 pv- 13/55/	
95.24		s1		-1 OC	68	160		-99 s1- 68/160/	
96.25		pa		-1 OC	13	190		-99 pa- 13/190/	3 over 1m
98.88		ca		-1 OC	59	335		-99 ca- 59/335/	10 over 2m
100.09		pv		-1 OC	35	340		-99 pv- 35/340/	

FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:
86.41	86.49	0.08	SFh		2 SFh2	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
70.00	73.00	3.00	M980531	0.003	FA_AAS	1.1	0.0070	0.0495	0.0001	22.0	3.52	0.86	-1	0	0.01	1	TR12199609	
73.00	76.00	3.00	M980532	0.003	FA_AAS	0.5	0.0028	0.0082	0.0001	55.0	3.73	0.97	2	0	-1	-1	TR12199609	
76.00	79.00	3.00	M980533	0.003	FA_AAS	0.7	0.0055	0.0196	0.0001	7.0	4.22	1.37	1	0	-1	0.01	TR12199609	
79.00	82.00	3.00	M980534	0.007	FA_AAS	0.7	0.0095	0.0069	0.0001	13.0	6.30	2.86	2	0	-1	-1	TR12199609	
82.00	85.00	3.00	M980535	0.003	FA_AAS	0.5	0.0049	0.0070	0.0001	34.0	4.46	1.34	1	0	-1	-1	TR12199609	
85.00	88.00	3.00	M980536	0.003	FA_AAS	0.7	0.0055	0.0146	0.0001	30.0	4.10	1.09	2	0	-1	-1	TR12199609	
88.00	91.00	3.00	M980537	0.031	FA_AAS	5.1	0.0121	0.1045	0.0001	97.0	4.73	1.41	1	0	0.01	0.01	TR12199609	
91.00	93.00	2.00	M980538	0.006	FA_AAS	0.8	0.0079	0.0214	0.0001	291.0	3.98	0.81	1	0	-1	0.01	TR12199609	
93.00	95.00	2.00	M980539	0.008	FA_AAS	0.8	0.0116	0.0058	0.0001	35.0	4.71	2.02	5	0	-1	-1	TR12199609	
95.00	97.00	2.00	M980540	0.008	FA_AAS	1.5	0.0084	0.0093	0.0001	36.0	4.57	1.36	3	0	-1	-1	TR12199609	
97.00	100.00	3.00	M980541	0.009	FA_AAS	1.2	0.0098	0.0228	0.0001	15.0	4.91	1.21	2	0	-1	-1	TR12199609	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-30 100.16 125.7 25.54 Idk95Por Tff5Bdf

Same as above but dominated by intermediate, porphyritic intrusives with rare, thin beds of tuffs. Intrusives are porphyritic with 15-25% feldspar phenocrysts up to 12mm in places but more commonly up to 5mm, with interstitial potassic alteration that some times is weakly pervasive into the feldspar phenos. Bleached zones tends to surround quartz-calcite healed fracturing or pyrite-healed fracturing. Overall increase in veining / healed fractures, with quartz-healed tension gashes from 105-106m. Sulphides are dominantly pyrite with pyrite stringers and veinlets (or healed fractures) and clots or patchy disseminations within the intrusives. Pyrite stringers are displaced and sometimes truncated by late stage quartz-calcite arrays (e.g. 108m, 116.8m). Pyrite veinlets and stringers occur at various angles TCA, quartz +/- calcite veins and veins array tend to be more consistent at 60-65 or 85 degrees TCA and dipping W or NW.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
101.70	125.97	24.27	75Ks3Int 25B2Per	"similar to above patchy alteration with patchy alteration that is better described as beds of alteration with beds of potassic alteration and bleached beds cm- to m-scale; sections of bleached weak potassic alteration. Bleaching generally occurs as envelopes around py +/-pyrrh or quartz-calcite veins, or is associated with increased microfracturing (quartz-, quartz+calcite, or calcite-healed)"

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
102.27		pa		-1 OC	40	0	-99 pa-	40/0/	5 over 1m
103.72		pa		-1 OC	45	295	-99 pa-	45/295/	4 over 1m
107.24		ct		-1 OC	70	270	-99 ct-	70/270/	
109.60		qv		-1 OC	12	70	-99 qv-	12/70/	
111.21		pa		-1 OC	24	140	-99 pa-	24/140/	3 over 0.5m
114.76		ct		-1 OC	68	115	-99 ct-	68/115/	
116.71		qa		-1 OC	55	20	-99 qa-	55/20/	6 over 1m
120.65		ct		-1 OC	75	190	-99 ct-	75/190/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
100.00	103.00	3.00	M980542	0.023	FA_AAS	2.1	0.0106	0.0141	0.0001	102.0	5.08	2.50	6	0	-1	-1	TR12199609	
103.00	106.00	3.00	M980543	0.015	FA_AAS	1.9	0.0092	0.0434	0.0001	56.0	4.12	1.62	5	0	-1	-1	TR12199609	
106.00	109.00	3.00	M980544	0.006	FA_AAS	0.6	0.0104	0.0326	0.0001	24.0	3.88	0.89	2	0	-1	-1	TR12199609	
109.00	112.00	3.00	M980546	0.024	FA_AAS	1.2	0.0129	0.0421	0.0001	79.0	5.09	2.52	3	0	-1	-1	TR12199609	
112.00	115.00	3.00	M980547	0.007	FA_AAS	0.9	0.0055	0.0145	0.0001	12.0	3.64	0.71	2	0	-1	-1	TR12199609	
115.00	118.00	3.00	M980548	0.007	FA_AAS	1.1	0.0040	0.0286	0.0001	19.0	3.67	0.64	1	0	-1	-1	TR12199609	
118.00	121.00	3.00	M980549	0.006	FA_AAS	0.8	0.0044	0.0125	0.0001	19.0	3.73	0.81	1	0	-1	-1	TR12199609	
121.00	124.00	3.00	M980550	0.003	FA_AAS	0.3	0.0048	0.0106	0.0001	15.0	3.57	0.94	3	0	-1	-1	TR12199609	
124.00	126.00	2.00	M980552	0.011	FA_AAS	0.6	0.0078	0.0098	0.0001	44.0	4.51	2.14	3	0	-1	-1	TR12199609	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-30 125.7 154.84 29.14 Idk60Por Tff40Bdf

Same as above described interfingering units with a fairly even distribution of intermediate intrusives and felsic to intermediate, light grey to light grey-brown tuffs (or volcanics). Upper contact is sharp and marked by an upper porphyritic intrusive and lower tuff (contact based on percentages of lithological units as opposed distinct change in lithology). Within the intersection, contacts between the tuffs and intrusives are mostly sharp with some contacts at the upper end of the intrusives more "gradational" as described above.

Sulphides are as above: dominated by pyrite veins, veinlets, fracture fills and disseminated in places. Abundance of sulphides increase at approx.. 148m with the introduction of quartz +/- calcite flooding and towards the basal contact with the mineralized zone.

126.74-127.22m: White quartz vein, vuggy, sharp upper and lower contacts, with 1% disseminated, coarse grained pyrite and a bleached alteration halo within the surrounding tuffs.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
125.97	127.50	1.53	30BI3Per 30CI2Per	"bleached and weakly chlorite altered halo around a large quartz vein (126.74-127.22), .48"
127.50	152.90	25.40	80Ks3Pat 20BI2Pat	"similar to above patchy alteration with patchy alteration that is better described as beds of alteration with beds of potassic alteration and bleached beds cm- to m-scale; sections of bleached weak potassic alteration. Bleaching generally occurs as envelopes around py +/-pyrrh or quartz-calcite veins, or is associated with increased microfracturing (quartz-, quartz+calcite, or calcite-healed)"
152.90	154.84	1.94	15Qz5Pat 75Ks3Int 10BI2Loc	bleached towards bottom of unit

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
125.86		pv		-1 OC	12	225	-99	pv- 12/225/	
125.96		ct		-1 OC	80	105	-99	ct- 80/105/	
126.13		s0		-1 OC	85	200	-99	s0- 85/200/	
126.74		qv		-1 OC	85	220	-99	qv- 85/220/	
132.69		ct		-1 OC	65	100	-99	ct- 65/100/	
133.86		qv		-1 OC	68	30	-99	qv- 68/30/	with Chl
135.91		qv		-1 OC	60	110	-99	qv- 60/110/	
141.51		qa		-1 OC	46	145	-99	qa- 46/145/	5 over 1m
143.32		xv		-1 OC	27	330	-99	xv- 27/330/	
143.75		ct		-1 OC	60	120	-99	ct- 60/120/	
146.05		qa		-1 OC	65	165	-99	qa- 65/165/	3 over 0.5m
147.11		qa		-1 OC	48	165	-99	qa- 48/165/	10 over 2m
150.33		pv		-1 OC	32	330	-99	pv- 32/330/	
152.48		lv		-1 OC	50	100	-99	lv- 50/100/	

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
126.00	127.50	1.50	M980553	0.006	FA_AAS	0.3	0.0038	0.0069	0.0001	32.0	2.92	0.74	2	0	-1	-1	TR12199609	
127.50	129.50	2.00	M980554	0.009	FA_AAS	1.3	0.0052	0.0426	0.0001	20.0	4.32	0.91	3	0	-1	-1	TR12199609	
129.50	132.50	3.00	M980555	0.034	FA_AAS	2.6	0.0095	0.0541	0.0001	23.0	5.11	1.61	3	0	-1	-1	TR12199609	
132.50	135.50	3.00	M980556	0.012	FA_AAS	0.7	0.0094	0.0201	0.0001	42.0	4.57	1.40	4	0	-1	-1	TR12199609	
135.50	138.50	3.00	M980557	0.009	FA_AAS	0.3	0.0043	0.0099	0.0001	296.0	3.88	0.84	2	0	-1	-1	TR12199609	
138.50	141.50	3.00	M980558	0.007	FA_AAS	0.5	0.0036	0.0073	0.0001	25.0	4.00	0.88	3	0	-1	-1	TR12199609	
141.50	144.50	3.00	M980559	0.014	FA_AAS	0.7	0.0060	0.0080	0.0001	32.0	4.79	1.38	4	0	-1	0.01	TR12199609	
144.50	147.50	3.00	M980561	0.008	FA_AAS	0.5	0.0077	0.0240	0.0001	35.0	4.47	0.85	4	0	-1	0.01	TR12199609	
147.50	150.50	3.00	M980562	0.031	FA_AAS	0.8	0.0064	0.0082	0.0001	102.0	5.93	3.05	5	0	-1	0.01	TR12199609	
150.50	153.10	2.60	M980563	0.016	FA_AAS	1.3	0.0068	0.0304	0.0001	23.0	4.90	1.74	4	0	0.01	1	TR12199609	
153.10	154.80	1.70	M980564	0.036	FA_AAS	1.4	0.0054	0.0177	0.0001	72.0	5.35	1.98	5	0	-1	0.01	TR12199609	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-30 154.84 155.3 0.46 MSs100Msv

"MNZ 1" in structural log.

Semi-massive pyrite + sphalerite + arsenopyrite + chalcopyrite hosted in a calcite-rich gangue. Mineralized zone is characterized by an upper pyrite vein underlain by a thin chalcopyrite bed that sits on top of a 5cm semi-massive sphalerite bed, and is underlain by a semi-massive pyrite + arsenopyrite bed. Arsenopyrite is concentrated in a 2cm-wide "bed" at 155.12m. Total sulphides in the "MNZ 1" = approx.. 75-80%.

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
155.00		xv		-1 OC	69	45	-99 xv-	69/45/	
155.10		pv		-1 OC	70	45	-99 pv-	70/45/	
155.20		ct		-1 OC	70	40	-99 ct-	70/40/	MNZ-1

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-30 155.3 156.48 1.18 MSs100Bdm

"MNZ 2" in structure log.

Mineralized zone is similar to above massive-sulphide zone with a distinct decrease in sulphides and more discrete sulphide "veins" or "beds" within a calcite-flooded zone. Total sulphides = approx.. 25%, and are dominantly pyrite with occasional sphalerite-dominated veins and veinlets. Contact with overlying semi-massive sulphide is sharp and approx. 75 degrees TCA.

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
154.84	156.23	1.39	40Ca4Per	MNZ within calcite gangue / calcite flooded zone
156.23	156.48	0.25	50BI4Per 50Ca1Per	"bottom of MNZ, bleached with weak calcite flooding"

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
155.30		ct		-1 OC	60	330	-99 ct-	60/330/	MNZ-2

FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%	ASPY%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:
154.80	156.48	1.68	M980565	1.465	FA_AAS	165.0	0.1635	1.9900	0.0001	713.0	13.30	14.45	25	0	1	10	TR12199609	

HOLE-ID: FROM: TO: INTERVAL: PLOT LITH:
SG12-30 156.48 186.8 30.32 Tfi70Bdf ldk30Por

Same as above described interfingering units, dominantly felsic to intermediate tuff or volcanics. Some of the "tuff" may be sedimentary units, however entire package is altered and broken so protolith is sometimes hard to determine. Tuffs are again finely bedded and variably altered, light grey, light purplish-brown-grey, or less often light grey-green when bleached and chlorite altered. Intermediate intrusives are purplish-brown, fine grained with feldspar phenocrysts (overall finer grained than above described unit) with vague contacts.

Sulphides are variable with increased sulphides in brecciated or sheared zones (described below), and still pyrite dominated again with pyrite veins, patchy accumulations of disseminated pyrite, and less common pyrite-infilled fractures.

Alteration is moderate to strong and variable with patches of potassic alteration similar to above units, patches of bleaching, and an overall increase in chlorite alteration.

Broad increase in deformation and shearing, with some sheared (or SFh) zones and weakly brecciated zones, increased fracturing and faulting, and an overall "deformed" nature to the rock.

159.38-159.5m: broken zone with oxidation on fracture surfaces and a bleached, chlorite altered "halo"

160.9-164.12m: increased shearing and deformation with an upper healed weakly silicified and quartz-flooded, weakly brecciated zone and a lower SFh zone, increased sulphides within the brecciated zone (pyrite + chalcocopyrite + sphalerite + galena)

170.75-176.0m: broken, open fault zone with 3-4% pyrite

1816.-186.8m: increased quartz-healed tension gashes

FROM:	TO:	INTERVAL:	ALLALTS:	COMMENTS:
156.48	158.80	2.32	50Ks2Pat 50Cl2Pat 10BI2Loc	chlorite alteration increases downhole at expense of potassic alteration; bleaching overprints alteration
158.80	159.38	0.58	100Cl3Per 100BI1Per	
159.38	159.50	0.12	100BI4Per 5Ox5Frc	broken zone with oxidized fracture surfaces
159.50	160.20	0.70	100Cl3Per 60BI1Per	bleaching decreases away from broken zone
160.20	160.90	0.70	65Ks2Pat 35Cl2Pat	
160.90	162.16	1.26	75Ks2Pat 25Qz4Pat	healed weakly brecciated zone with patchy quartz-flooding and increased mineralization
162.16	162.95	0.79	50Ks2Pat 30BI2Pat 30Cl1Pat	"patchy or ""bedded"" zones of alteration as previously noted; bleaching overprints alteration"
162.95	164.45	1.50	100BI2Per 100Cl1Per	
164.45	165.71	1.26	50Ks2Pat 45BI2Pat 10Cl1Pat	"patchy or ""bedded"" zones of alteration as previously noted; bleaching overprints alteration"
165.71	171.00	5.29	80Ks2Pat 20BI2Pat	
171.00	176.00	5.00	80Ks1Pat 5Cl4Frc 5Bt2Int	"broken / faulted zone with chlorite along fracture surfaces and occasional chlorite ""pods"" with pyrite; occasional beds of what appears to be interstitial biotite (as well as occasional quartz-calcite-biotite veins)"
176.00	178.80	2.80	45BI2Pat 10Cl3Frc 5Bt2Int	"patchy or ""bedded"" zones of alteration as previously noted; bleaching overprints alteration; chlorite alteration is fracture controlled and weakly pervasive into surrounding country rock; occasional beds of what appears to be interstitial biotite"

DEPTH	INTERVAL:	STRUC_CODE:	STRUC_INTE:	RFE:	ALPHA:	BETA:	GAMA:	STRUCPLOT:	COMMENTS:
156.48		ct		-1 OC	65	15	-99	ct- 65/15/	End MNZ-2
160.88		ct		-1 CA	60	-99	-99	ct- 60//	
163.21		qa		-1 CA	65	-99	-99	qa- 65//	3 over 0.5m
165.60		qv		-1 OC	25	210	-99	qv- 25/210/	
166.41		s0		-1 OC	30	135	-99	s0- 30/135/	
167.45		qv		-1 OC	85	80	-99	qv- 85/80/	
169.47		pv		-1 OC	13	28	-99	pv- 13/28/	
177.58		qv		-1 OC	45	255	-99	qv- 45/255/	
180.90		pv		-1 OC	25	342	-99	pv- 25/342/	
181.00		qv		-1 OC	20	130	-99	qv- 20/130/	
182.85		s0		-1 OC	66	130	-99	s0- 66/130/	
184.68		qv		-1 OC	60	105	-99	qv- 60/105/	

FROM: TO: INTERVAL: FAULT_CODE: INTENSITY: PLOT_FEATR: COMMENTS:

FROM:	TO:	INTERVAL:	FAULT_CODE:	INTENSITY:	PLOT_FEATR:	COMMENTS:												CERT-ID:	LAB-ID:
161.14	162.16	1.02	Brh		2 Brh2													TR12199609	
163.36	164.12	0.76	SFh		1 SFh1													TR12195622	
FROM:	TO:	INTERVAL:	SAMPLENUM:	AU_PPM:	AU_METHOD:	AG_PPM:	CU%:	ZN%:	MO%:	AS_PPM:	FE%:	S%:	PY%:	ASP%:	CPY%:	SPH%:	CERT-ID:	LAB-ID:	
156.48	158.23	1.75	M980567	0.088	FA_AAS	5.5	0.0091	0.0121	0.0001	103.0	7.40	3.21	8	0	-1	-1	TR12199609		
158.23	160.50	2.27	M980568	0.007	FA_AAS	2.0	0.0125	0.0108	0.0001	26.0	7.17	1.22	2	0	0.01	-1	TR12195622		
160.50	163.00	2.50	M980569	0.113	FA_AAS	44.4	0.1430	0.1880	0.0001	89.0	8.79	4.23	5	0	2	1	TR12195622		
163.00	166.00	3.00	M980570	0.023	FA_AAS	1.6	0.0240	0.0068	0.0001	70.0	7.48	3.15	4	0	-1	-1	TR12195622		
166.00	169.00	3.00	M980571	0.017	FA_AAS	1.5	0.0205	0.0133	0.0001	48.0	7.20	2.45	4	0	-1	-1	TR12195622		
169.00	171.00	2.00	M980572	0.016	FA_AAS	1.2	0.0220	0.0130	0.0001	49.0	7.73	3.83	5	0	-1	-1	TR12195622		
171.00	174.00	3.00	M980573	0.016	FA_AAS	1.1	0.0191	0.0093	0.0004	38.0	6.89	2.79	4	0	-1	-1	TR12195622		
174.00	177.00	3.00	M980574	0.015	FA_AAS	0.9	0.0153	0.0135	0.0002	34.0	6.66	2.52	3	0	-1	-1	TR12195622		
177.00	180.00	3.00	M980576	0.020	FA_AAS	0.8	0.0133	0.0082	0.0001	52.0	5.91	1.83	2	0	-1	-1	TR12195622		
180.00	182.00	2.00	M980577	0.080	FA_AAS	2.9	0.0247	0.0130	0.0002	89.0	8.47	4.51	4	0	-1	-1	TR12195622		
182.00	184.40	2.40	M980578	0.036	FA_AAS	1.3	0.0145	0.0206	0.0001	48.0	5.42	2.33	3	0	-1	-1	TR12195622		
184.40	186.80	2.40	M980579	0.021	FA_AAS	0.9	0.0125	0.0144	0.0001	45.0	5.54	2.22	3	0	-1	-1	TR12195622		

APPENDIX IV: ASSAY CERTIFICATE



ALS Canada Ltd.
 2103 Dollarton Hwy
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To: **SNIPGOLD CORP.**
611 - 675 WEST HASTINGS ST.
VANCOUVER BC V6B 1N2

Page: 1
 Finalized Date: **28- JUL- 2012**
 Account: **BQL**

CERTIFICATE TR12164078

Project: Bronson Creek
 P.O. No.: 54- 011401
 This report is for 37 Drill Core samples submitted to our lab in Terrace, BC, Canada on 18-JUL- 2012.
 The following have access to data associated with this certificate:
 WILLIAM HAY SUSAN HENDERSON JIM SPARLING
 JOHN ZBEETNOFF

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22d	Sample login - Rcd w/o BarCode dup
PUL- 32d	Pulverize Split - Dup 85% < 75um
BAG- 01	Bulk Master for Storage
SPL- 21d	Split sample - duplicate
SPL- 34	Pulp Splitting Charge
SPLIT- Z	Pulp split for send out
CRU- 31	Fine crushing - 70% < 2mm
LOG- 23	Pulp Login - Rcvd with Barcode
LOG- 21	Sample logging - ClientBarCode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 32	Pulverize 1000g to 85% < 75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Cu- OG62	Ore Grade Cu - Four Acid	VARIABLE
Au- AA23	Au 30g FA- AA finish	AAS
ME- ICP61	33 element four acid ICP- AES	ICP- AES
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE

To: **SNIPGOLD CORP.**
ATTN: WILLIAM HAY
611 - 675 WEST HASTINGS ST.
VANCOUVER BC V6B 1N2

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

Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
 Total # Pages: 2 (A - C)
 Finalized Date: 28- JUL- 2012
 Account: BQL

Project: Bronson Creek

CERTIFICATE OF ANALYSIS TR12164078

Sample Description	Method	WEI- 21	Au- AA23	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.005	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10
M982001		7.25	0.015	0.5	8.83	27	960	1.3	<2	0.56	<0.5	12	33	29	5.14	20
M982002		10.40	0.574	1.2	7.89	26	670	1.2	<2	2.75	<0.5	15	20	29	4.86	20
M982003		7.12	0.111	1.5	8.58	11	840	1.4	<2	2.70	5.6	16	28	86	5.12	20
M982004		8.45	0.013	<0.5	9.19	7	770	1.4	<2	2.05	<0.5	15	31	45	5.72	20
M982005		8.65	0.006	<0.5	9.52	7	890	1.4	<2	1.34	<0.5	17	36	41	6.16	20
M982006		7.82	0.012	<0.5	10.10	6	930	1.6	<2	3.36	<0.5	14	31	34	5.58	20
M982007		8.11	0.029	<0.5	8.18	<5	700	1.2	<2	3.34	<0.5	11	17	16	4.39	20
M982008		7.54	<0.005	<0.5	8.98	7	790	1.4	<2	3.23	<0.5	12	27	26	4.80	20
M982009		9.17	<0.005	<0.5	8.43	5	630	1.1	<2	4.74	<0.5	10	14	21	4.29	20
M982010		9.97	0.007	<0.5	9.32	<5	850	1.4	<2	3.33	<0.5	13	24	29	4.73	20
M982010d		<0.02	<0.005	<0.5	9.32	<5	860	1.4	<2	3.37	<0.5	13	25	29	4.79	20
M982011		9.55	<0.005	<0.5	8.90	<5	620	1.0	<2	6.45	<0.5	10	12	25	4.54	20
M982011p		<0.02	<0.005	<0.5	9.05	<5	620	1.0	<2	6.34	<0.5	11	12	24	4.52	20
M982012		9.30	0.005	<0.5	8.43	<5	570	1.0	<2	5.65	<0.5	11	12	20	4.15	20
M982013		9.55	<0.005	<0.5	9.15	7	730	1.4	<2	3.62	<0.5	13	18	26	4.58	20
M982014		9.47	<0.005	<0.5	7.78	6	530	1.0	<2	5.54	<0.5	11	9	19	4.13	20
M982015		0.11	1.270	4.8	5.65	13	570	0.7	6	1.78	<0.5	12	51	>10000	4.02	10
M982016		8.95	<0.005	<0.5	7.51	<5	580	1.1	<2	8.47	<0.5	9	7	22	3.80	20
M982017		9.61	<0.005	<0.5	8.27	6	620	1.1	<2	4.49	<0.5	9	8	27	4.31	20
M982018		10.31	<0.005	<0.5	8.18	6	700	1.3	<2	4.68	<0.5	10	13	25	4.34	20
M982019		4.92	0.008	<0.5	9.31	12	1010	2.2	<2	2.51	<0.5	15	29	41	5.63	20
M982020		3.39	<0.005	<0.5	7.41	<5	260	1.6	<2	2.07	<0.5	<1	10	3	1.16	20
M982020d		<0.02	<0.005	<0.5	7.46	<5	260	1.6	<2	2.10	<0.5	1	9	5	1.16	20
M982021		5.98	<0.005	<0.5	6.59	16	300	1.3	<2	2.67	<0.5	1	7	4	1.25	20
M982021p		<0.02	<0.005	<0.5	6.68	12	310	1.3	<2	2.54	<0.5	1	6	3	1.23	20
M982022		5.88	<0.005	<0.5	7.25	<5	320	1.6	<2	2.85	<0.5	3	16	7	2.13	20
M982023		8.18	0.006	<0.5	9.35	22	900	2.0	<2	2.28	<0.5	15	27	35	5.50	20
M982024		8.55	0.007	<0.5	9.03	24	840	2.0	<2	3.15	<0.5	14	22	28	4.86	20
M982025		12.36	0.010	<0.5	9.26	40	790	1.4	<2	3.64	<0.5	17	28	38	5.37	20
M982026		12.53	<0.005	<0.5	9.27	19	810	1.5	<2	3.71	<0.5	16	35	38	5.63	20
M982027		12.30	<0.005	<0.5	8.74	44	660	1.3	<2	3.72	<0.5	14	33	36	5.14	20
M982028		11.54	0.007	<0.5	9.09	48	700	1.3	<2	3.27	<0.5	16	36	36	5.55	20
M982029		11.55	<0.005	<0.5	9.60	20	800	1.4	<2	2.35	<0.5	17	32	39	5.77	20
M982030		0.10	0.645	>100	7.90	58	1180	1.3	<2	2.54	58.7	13	22	4850	4.20	20
M982031		12.44	0.006	<0.5	9.35	21	740	1.4	<2	2.18	<0.5	19	35	45	5.74	20
M982031d		<0.02	0.005	<0.5	9.53	24	750	1.4	<2	2.21	<0.5	20	34	45	5.81	20
M982031p		<0.02	0.005	<0.5	10.05	18	780	1.4	<2	2.31	<0.5	19	34	45	6.01	20



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Page: 2 - B
 Total # Pages: 2 (A - C)
 Finalized Date: 28- JUL- 2012
 Account: BQL

Project: Bronson Creek

CERTIFICATE OF ANALYSIS TR12164078

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	
		K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %
		0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01
M982001		3.33	10	1.23	640	<1	0.40	11	700	21	0.44	<5	20	134	<20	0.40
M982002		2.44	20	0.98	919	2	0.82	7	780	18	0.89	<5	14	228	<20	0.37
M982003		2.56	20	1.13	1030	49	0.60	9	760	170	1.05	<5	17	264	<20	0.36
M982004		2.34	20	1.36	908	<1	0.87	12	880	20	0.87	6	21	253	<20	0.41
M982005		2.77	20	1.38	829	<1	0.78	16	890	14	0.83	5	21	213	<20	0.43
M982006		2.59	20	1.28	1270	<1	1.33	13	860	27	0.86	5	19	411	<20	0.42
M982007		2.14	10	1.26	863	2	1.41	5	860	14	0.39	<5	14	363	<20	0.33
M982008		2.29	10	1.27	915	<1	1.31	9	780	15	0.51	5	18	376	<20	0.39
M982009		1.91	10	1.11	1125	1	1.97	6	810	15	0.69	<5	13	489	<20	0.32
M982010		2.44	20	1.15	1015	<1	1.46	12	740	16	0.71	<5	16	424	<20	0.37
M982010d		2.44	10	1.14	1030	<1	1.49	12	750	16	0.75	<5	16	432	<20	0.37
M982011		1.68	10	1.22	1500	<1	2.16	5	990	8	0.27	<5	16	569	<20	0.36
M982011p		1.67	20	1.22	1475	<1	2.17	4	1010	14	0.26	<5	16	566	<20	0.36
M982012		1.61	10	1.02	1295	<1	2.25	5	880	11	0.40	<5	13	525	<20	0.33
M982013		2.23	20	1.24	1205	<1	1.68	8	810	13	0.47	<5	15	416	<20	0.36
M982014		1.61	10	1.27	1590	<1	1.68	2	830	8	0.20	<5	14	472	<20	0.33
M982015		0.96	10	0.92	627	524	2.00	35	600	10	0.88	<5	11	253	<20	0.27
M982016		1.78	20	1.54	1820	1	1.27	1	730	7	0.18	<5	13	644	<20	0.30
M982017		1.84	10	1.38	1540	<1	1.87	1	860	8	0.21	<5	14	398	<20	0.33
M982018		2.02	10	1.36	1470	<1	1.55	6	760	8	0.26	<5	14	394	<20	0.34
M982019		3.13	20	1.23	1325	<1	0.88	15	810	20	1.16	<5	19	293	<20	0.40
M982020		0.89	20	0.14	1290	1	4.51	<1	120	38	0.17	<5	1	259	20	0.07
M982020d		0.90	20	0.14	1310	1	4.58	<1	130	38	0.16	<5	1	263	20	0.07
M982021		1.06	10	0.14	1545	<1	3.85	<1	120	20	0.25	<5	1	268	20	0.06
M982021p		1.08	10	0.13	1480	<1	3.84	<1	120	17	0.24	<5	1	260	20	0.06
M982022		0.98	10	0.28	1975	2	3.79	2	220	32	0.47	<5	3	310	20	0.10
M982023		2.65	20	1.19	1755	<1	1.07	15	830	17	1.04	<5	18	284	<20	0.38
M982024		3.00	20	1.07	1910	1	1.11	13	790	14	0.86	<5	16	349	<20	0.38
M982025		2.52	10	1.03	3480	1	1.33	18	740	11	1.09	5	18	346	<20	0.36
M982026		2.63	10	1.23	3200	<1	1.03	17	780	14	1.03	<5	19	349	<20	0.39
M982027		2.21	10	1.16	2650	<1	1.66	16	830	12	0.91	<5	18	340	<20	0.40
M982028		2.40	10	1.12	3370	<1	1.44	22	780	13	0.94	<5	20	295	<20	0.42
M982029		2.64	20	1.19	3210	<1	1.32	21	730	17	1.02	<5	21	267	<20	0.42
M982030		2.38	10	0.74	600	37	2.72	10	840	9800	1.66	149	7	702	<20	0.24
M982031		2.48	20	1.08	3620	<1	1.34	24	890	24	1.10	<5	20	233	<20	0.41
M982031d		2.56	10	1.10	3680	<1	1.37	23	910	20	1.07	<5	20	237	<20	0.42
M982031p		2.57	20	1.14	3840	<1	1.42	23	950	20	1.06	<5	21	246	<20	0.43



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Page: 2 - C
 Total # Pages: 2 (A - C)
 Finalized Date: 28- JUL- 2012
 Account: BQL

Project: Bronson Creek

CERTIFICATE OF ANALYSIS TR12164078

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	Ag- OG62	Cu- OG62
		Tl	U	V	W	Zn	Ag	Cu
		ppm	ppm	ppm	ppm	ppm	ppm	%
		10	10	1	10	2	1	0.001
M982001		<10	<10	129	<10	117		
M982002		<10	<10	146	<10	75		
M982003		<10	<10	118	<10	653		
M982004		<10	<10	135	<10	137		
M982005		<10	<10	137	<10	135		
M982006		<10	<10	130	<10	117		
M982007		<10	<10	118	<10	101		
M982008		<10	<10	129	<10	105		
M982009		<10	<10	118	<10	77		
M982010		<10	<10	121	<10	100		
M982010d		<10	<10	120	<10	103		
M982011		<10	<10	142	<10	89		
M982011p		<10	<10	142	<10	89		
M982012		<10	<10	126	<10	76		
M982013		<10	<10	131	<10	82		
M982014		<10	<10	127	<10	74		
M982015		<10	<10	88	30	80		1.335
M982016		<10	<10	107	<10	69		
M982017		<10	<10	118	<10	76		
M982018		<10	<10	117	<10	82		
M982019		<10	<10	127	<10	124		
M982020		<10	10	12	<10	59		
M982020d		<10	<10	12	<10	59		
M982021		<10	<10	11	<10	43		
M982021p		<10	<10	12	<10	41		
M982022		<10	<10	24	<10	60		
M982023		<10	<10	126	<10	125		
M982024		<10	<10	132	<10	98		
M982025		<10	<10	123	<10	102		
M982026		<10	<10	131	<10	97		
M982027		<10	<10	138	<10	103		
M982028		<10	<10	147	<10	98		
M982029		<10	<10	147	<10	134		
M982030		<10	10	81	10	7860	107	
M982031		<10	<10	153	<10	129		
M982031d		<10	<10	156	<10	129		
M982031p		<10	<10	157	<10	131		



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Page: 1
 Finalized Date: 11- AUG- 2012
 Account: BQL

CERTIFICATE TR12170412

Project: Bronson Creek
 P.O. No.: 54- 011401
 This report is for 86 Drill Core samples submitted to our lab in Terrace, BC, Canada on 26-JUL- 2012.
 The following have access to data associated with this certificate:

JENNIFER BURGESS JIM SPARLING	WILLIAM HAY JOHN ZBEETNOFF	SUSAN HENDERSON
----------------------------------	-------------------------------	-----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22d	Sample login - Rcd w/o BarCode dup
PUL- 32d	Pulverize Split - Dup 85% < 75um
BAG- 01	Bulk Master for Storage
SPL- 21d	Split sample - duplicate
SPL- 34	Pulp Splitting Charge
SPLIT- Z	Pulp split for send out
LOG- 23	Pulp Login - Rcvd with Barcode
LOG- 21	Sample logging - ClientBarCode
CRU- 31	Fine crushing - 70% < 2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 32	Pulverize 1000g to 85% < 75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Cu- OG62	Ore Grade Cu - Four Acid	VARIABLE
Au- AA23	Au 30g FA- AA finish	AAS
Au- GRA21	Au 30g FA- GRAV finish	WST- SIM
ME- ICP61	33 element four acid ICP- AES	ICP- AES
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE

To: **SNIPGOLD CORP.**
ATTN: WILLIAM HAY
611 - 675 WEST HASTINGS ST.
VANCOUVER BC V6B 1N2

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

Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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To: SNIPGOLD CORP.
 611 - 675 WEST HASTINGS ST.
 VANCOUVER BC V6B 1N2

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CERTIFICATE OF ANALYSIS TR12170412

Sample Description	Method	WEI- 21	Au- AA23	Au- GRA21	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.05	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01
M982032		12.56	<0.005		<0.5	9.13	23	670	1.4	2	3.47	<0.5	16	31	40	5.32
M982033		12.66	0.005		<0.5	9.38	16	730	1.4	<2	2.43	<0.5	20	33	46	5.97
M982034		12.46	0.007		<0.5	8.80	24	630	1.3	2	2.95	<0.5	17	33	41	5.39
M982035		11.64	0.007		<0.5	9.38	26	670	1.5	<2	2.88	<0.5	18	31	42	5.63
M982036		9.96	0.006		<0.5	9.10	26	680	1.4	<2	2.89	<0.5	17	30	41	5.45
M982037		11.85	0.014		<0.5	9.55	16	720	1.4	<2	3.39	<0.5	19	32	45	6.10
M982038		11.87	0.008		<0.5	9.78	11	770	1.4	<2	3.53	<0.5	19	34	44	6.08
M982039		11.82	0.006		<0.5	9.78	14	770	1.4	<2	3.51	<0.5	20	36	49	6.12
M982040		12.04	0.005		<0.5	9.50	11	720	1.4	<2	3.27	<0.5	19	34	43	5.99
M982041		12.00	<0.005		<0.5	9.49	17	720	1.3	<2	2.46	<0.5	19	31	41	5.79
M982041D		<0.02	0.008		<0.5	9.10	14	690	1.3	<2	2.38	<0.5	19	30	40	5.58
M982042		12.65	0.006		<0.5	9.43	16	720	1.4	2	3.43	<0.5	19	31	44	6.12
M982042P		<0.02	0.007		<0.5	9.01	7	680	1.3	<2	3.25	<0.5	18	30	41	5.74
M982043		12.28	<0.005		<0.5	9.33	9	840	1.4	2	3.13	<0.5	19	34	44	6.06
M982044		12.49	0.006		<0.5	9.04	15	800	1.4	<2	2.82	<0.5	19	33	40	5.59
M982047		0.86	<0.005		<0.5	0.11	6	10	<0.5	<2	35.4	<0.5	1	1	<1	0.06
M982048		12.18	<0.005		<0.5	8.34	8	840	1.5	<2	3.09	<0.5	11	20	24	4.09
M982049		13.48	0.005		<0.5	9.28	14	800	1.4	<2	2.73	<0.5	16	30	36	5.45
M982050		12.12	0.005		<0.5	9.83	12	910	1.6	<2	2.65	<0.5	17	35	43	6.00
M982051		12.09	<0.005		<0.5	9.32	13	850	1.5	<2	2.74	<0.5	15	34	38	5.71
M982052		9.39	<0.005		<0.5	8.89	13	680	0.9	<2	6.71	<0.5	13	8	28	4.84
M982053		8.50	0.005		<0.5	9.10	7	970	1.3	<2	3.59	<0.5	15	26	33	5.09
M982053D		<0.02	<0.005		<0.5	8.70	12	940	1.2	<2	3.49	<0.5	13	24	31	4.93
M982054		10.73	0.005		<0.5	9.28	18	1020	1.4	<2	3.31	<0.5	17	32	40	5.72
M982054P		<0.02	0.006		<0.5	9.42	14	1030	1.4	<2	3.35	<0.5	16	31	40	5.71
M982055		10.74	0.005		<0.5	8.51	10	900	1.3	<2	3.76	<0.5	14	32	35	5.07
M982056		13.35	<0.005		<0.5	8.37	9	890	1.7	<2	3.31	0.7	12	23	30	4.43
M982057		7.44	<0.005		<0.5	8.52	5	450	0.8	<2	3.67	<0.5	12	8	21	4.69
M982058		10.61	0.006		<0.5	9.52	10	840	1.4	<2	3.14	<0.5	20	33	45	6.01
M982059		8.12	0.006		<0.5	9.04	16	800	1.4	2	3.25	3.5	20	30	45	5.96
M982060		0.11	7.87	8.48	13.0	6.54	54	300	0.7	2	4.07	4.3	36	42	>10000	7.82
M982061		12.04	0.010		<0.5	9.55	30	960	1.5	<2	2.99	1.0	17	32	62	5.68
M982062		8.89	0.021		<0.5	8.84	40	720	1.4	<2	3.03	0.9	15	23	45	5.46
M982063		10.48	<0.005		<0.5	8.43	10	410	0.7	<2	4.30	<0.5	13	9	26	5.13
M982063D		<0.02	<0.005		<0.5	8.36	9	410	0.7	<2	4.23	<0.5	14	8	24	5.06
M982064		12.54	0.006		<0.5	9.47	12	760	1.5	<2	3.06	<0.5	21	33	48	6.06
M982064P		<0.02	0.006		<0.5	9.62	9	790	1.5	<2	2.94	<0.5	22	34	48	6.20
M982065		13.15	<0.005		<0.5	9.70	21	790	1.5	<2	3.01	<0.5	21	36	49	6.04
M982066		7.03	<0.005		<0.5	8.73	6	500	0.9	<2	4.79	<0.5	16	15	34	5.91
M982067		10.76	0.005		0.5	9.59	17	710	1.5	<2	3.42	<0.5	20	30	42	5.98



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Project: Bronson Creek

CERTIFICATE OF ANALYSIS TR12170412

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	
		Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
		10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20
M982032		20	2.11	10	1.04	3570	<1	1.22	17	640	11	0.77	6	19	329	<20
M982033		20	2.44	10	1.09	3920	<1	0.82	24	680	15	1.01	<5	20	287	<20
M982034		20	2.12	10	1.02	3840	<1	0.87	22	640	15	0.92	<5	19	294	<20
M982035		20	2.25	10	1.16	3970	<1	1.14	21	720	12	0.77	6	19	294	<20
M982036		20	2.18	10	1.05	3610	<1	1.13	19	670	11	0.96	<5	19	309	<20
M982037		20	2.12	10	1.27	6280	<1	1.28	25	990	19	1.15	6	21	303	<20
M982038		20	2.27	10	1.29	5740	<1	1.36	26	930	13	1.07	5	21	303	<20
M982039		20	2.15	10	1.26	5510	<1	1.29	24	870	13	1.07	6	21	344	<20
M982040		20	2.15	10	1.28	6770	<1	1.18	25	860	13	0.98	5	20	300	<20
M982041		20	2.16	10	1.22	5320	<1	1.14	22	740	10	0.86	7	20	280	<20
M982041D		20	2.11	10	1.17	5160	<1	1.10	22	720	9	0.83	6	20	270	<20
M982042		20	2.08	10	1.23	5630	<1	1.25	22	900	14	0.94	5	20	353	<20
M982042P		20	1.99	10	1.16	5410	<1	1.19	20	840	13	1.00	8	20	339	<20
M982043		20	2.08	10	1.21	5450	<1	1.42	21	830	12	0.98	6	20	333	<20
M982044		20	2.05	10	1.16	5390	<1	1.23	23	750	12	0.84	5	20	329	<20
M982047		<10	0.01	<10	1.74	42	<1	0.01	<1	40	<2	0.05	<5	<1	4760	20
M982048		20	2.13	20	0.99	2900	<1	1.16	12	660	20	0.45	6	13	280	<20
M982049		20	2.31	10	1.12	2250	<1	1.31	18	740	13	0.89	<5	20	300	<20
M982050		20	2.50	10	1.33	2210	<1	1.22	20	790	12	0.91	<5	22	303	<20
M982051		20	2.31	10	1.27	2260	<1	1.19	18	790	15	0.85	8	20	300	<20
M982052		20	1.67	20	1.31	2090	1	2.33	2	1540	2	0.15	<5	17	440	<20
M982053		20	2.35	20	1.09	1505	<1	1.15	12	860	11	0.92	<5	18	327	<20
M982053D		20	2.23	10	1.04	1465	<1	1.13	12	840	9	0.90	6	17	319	<20
M982054		20	2.35	10	1.26	1880	<1	0.96	17	790	14	1.07	6	19	307	<20
M982054P		20	2.33	10	1.28	1915	<1	0.96	18	790	12	0.98	<5	20	308	<20
M982055		20	2.19	10	1.12	2050	1	0.92	17	720	12	1.10	5	17	319	<20
M982056		20	2.13	20	1.03	2120	1	1.05	13	650	23	0.72	<5	14	286	<20
M982057		20	1.36	10	1.07	2850	<1	2.27	1	1020	18	0.52	<5	15	316	<20
M982058		20	2.48	10	1.30	5560	<1	0.94	25	790	27	1.18	7	21	314	<20
M982059		20	2.53	10	1.20	5210	<1	0.78	21	780	61	1.12	<5	19	300	<20
M982060		10	1.45	20	1.45	733	424	1.65	48	1020	77	5.41	53	15	294	<20
M982061		20	2.85	30	1.30	3950	3	0.72	20	830	26	0.95	5	20	275	<20
M982062		20	2.24	20	1.05	3510	2	1.35	13	900	33	1.06	5	18	303	<20
M982063		20	1.31	20	1.26	2600	1	2.84	4	1200	7	0.33	5	16	337	<20
M982063D		20	1.31	20	1.25	2560	2	2.79	4	1170	10	0.32	7	16	332	<20
M982064		20	2.36	20	1.32	4210	2	1.05	23	770	18	1.24	6	21	300	<20
M982064P		20	2.44	20	1.32	4260	1	1.06	24	770	19	1.33	6	21	296	<20
M982065		20	2.51	20	1.31	4560	1	1.12	27	680	20	1.19	7	21	290	<20
M982066		20	1.63	30	1.31	5470	3	1.89	10	1040	16	1.10	7	18	313	<20
M982067		20	2.41	20	1.33	4120	2	1.46	21	820	19	1.09	9	20	332	<20



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CERTIFICATE OF ANALYSIS TR12170412

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	Ag- OG62	Cu- OG62
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Ag ppm	Cu %
		0.01	10	10	1	10	2	1	0.001
M982032		0.40	<10	<10	136	<10	121		
M982033		0.40	<10	<10	143	<10	129		
M982034		0.38	<10	<10	136	<10	119		
M982035		0.43	<10	<10	140	<10	132		
M982036		0.41	<10	<10	139	<10	117		
M982037		0.42	<10	<10	141	<10	130		
M982038		0.44	<10	<10	156	<10	142		
M982039		0.42	<10	<10	153	<10	134		
M982040		0.41	<10	<10	151	<10	133		
M982041		0.40	<10	<10	140	<10	123		
M982041D		0.40	<10	<10	136	<10	120		
M982042		0.43	<10	<10	150	<10	129		
M982042P		0.41	<10	<10	143	<10	124		
M982043		0.43	<10	<10	149	<10	128		
M982044		0.41	<10	<10	138	<10	124		
M982047		<0.01	<10	<10	1	<10	<2		
M982048		0.37	<10	<10	96	<10	99		
M982049		0.40	<10	<10	127	<10	125		
M982050		0.44	<10	<10	151	<10	133		
M982051		0.42	10	<10	143	<10	126		
M982052		0.40	<10	<10	169	<10	84		
M982053		0.40	<10	<10	136	<10	108		
M982053D		0.38	<10	<10	131	<10	104		
M982054		0.42	<10	<10	144	<10	124		
M982054P		0.41	<10	<10	142	<10	122		
M982055		0.38	<10	<10	126	<10	117		
M982056		0.37	<10	<10	105	<10	153		
M982057		0.34	<10	<10	166	<10	105		
M982058		0.43	<10	<10	152	<10	135		
M982059		0.39	<10	<10	141	<10	328		
M982060		0.33	<10	<10	151	10	160		3.27
M982061		0.41	<10	<10	155	10	192		
M982062		0.38	<10	<10	166	10	172		
M982063		0.37	<10	<10	193	10	92		
M982063D		0.37	<10	<10	192	<10	91		
M982064		0.41	<10	<10	154	<10	141		
M982064P		0.42	<10	<10	156	<10	142		
M982065		0.42	<10	<10	163	10	156		
M982066		0.36	<10	<10	181	<10	65		
M982067		0.42	<10	<10	160	<10	127		



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CERTIFICATE OF ANALYSIS TR12170412

Sample Description	Method Analyte Units LOR	WEI- 21	Au- AA23	Au- GRA21	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.05	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01
M982068		10.10	0.091		1.4	7.96	94	690	1.2	<2	3.77	<0.5	16	30	28	5.44
M982069		11.25	0.010		0.9	8.54	27	730	1.2	<2	4.44	1.4	14	31	43	5.67
M982070		11.92	0.012		0.6	9.10	22	730	1.3	<2	4.22	0.6	16	32	38	5.64
M982071		8.27	0.013		0.6	9.53	19	780	1.4	<2	4.31	0.6	16	33	41	5.90
M982072		12.65	0.037		0.9	7.87	42	590	1.1	<2	5.35	<0.5	15	26	70	7.28
M982073		12.73	0.025		0.7	8.76	30	700	1.2	<2	3.58	4.8	15	25	42	5.57
M982073D		<0.02	0.023		0.9	8.85	31	700	1.2	2	3.63	4.6	15	26	41	5.64
M982074		12.58	0.021		0.7	8.07	18	580	1.1	<2	4.22	<0.5	16	20	29	5.09
M982074P		<0.02	0.019		0.8	8.40	24	600	1.1	<2	4.06	<0.5	15	20	29	5.01
M982075		0.11	1.275		4.7	5.71	18	550	0.7	<2	1.69	<0.5	12	50	>10000	3.84
M982076		12.29	0.012		<0.5	8.96	31	690	1.2	<2	3.68	<0.5	16	30	41	5.53
M982077		8.09	0.012		<0.5	9.42	49	970	1.3	<2	3.46	1.9	18	33	43	5.36
M982078		7.54	0.012		<0.5	9.58	30	720	1.4	<2	3.54	0.5	15	35	37	5.74
M982079		8.56	0.006		<0.5	9.77	39	830	1.4	<2	3.10	<0.5	19	36	49	6.06
M982080		9.93	0.007		<0.5	8.58	38	680	1.2	<2	4.53	<0.5	17	29	42	5.46
M982081		10.57	0.008		<0.5	9.45	47	760	1.4	<2	2.75	<0.5	19	31	43	5.88
M982082		7.82	0.005		<0.5	9.11	56	660	1.3	<2	3.19	1.4	19	31	45	5.87
M982083		11.39	0.005		<0.5	8.93	23	690	1.3	<2	3.82	<0.5	17	30	39	5.31
M982083D		<0.02	0.006		<0.5	8.84	24	680	1.3	<2	3.77	<0.5	17	30	38	5.21
M982084		13.17	0.005		<0.5	9.53	16	860	1.4	<2	2.57	<0.5	18	32	43	5.75
M982084P		<0.02	0.006		<0.5	9.72	15	880	1.4	<2	2.50	<0.5	19	33	44	5.81
M982085		12.29	0.007		<0.5	9.47	30	850	1.5	<2	2.32	<0.5	18	32	40	5.70
M982086		11.71	<0.005		<0.5	8.47	17	910	1.3	<2	4.15	<0.5	12	10	21	4.80
M982087		12.83	0.005		<0.5	8.68	9	1170	1.2	<2	4.86	<0.5	11	5	11	4.91
M982088		10.75	<0.005		<0.5	8.68	<5	1380	1.1	<2	4.19	<0.5	11	6	8	4.73
M982089		12.15	0.005		<0.5	8.86	<5	1280	1.2	<2	5.16	<0.5	10	5	29	4.84
M982090		0.12	0.616		>100	8.22	52	1380	1.2	<2	2.44	56.6	12	23	4660	3.95
M982091		12.77	<0.005		<0.5	8.31	<5	1860	1.1	<2	4.88	<0.5	9	5	8	4.30
M982092		12.17	<0.005		<0.5	7.90	6	2160	1.0	<2	4.58	<0.5	8	5	34	4.21
M982093		7.57	0.009		<0.5	8.27	<5	1700	1.1	<2	4.39	<0.5	9	6	4	4.23
M982093D		<0.02	0.015		<0.5	8.17	<5	1710	1.1	<2	4.43	<0.5	10	6	4	4.26
M982094		9.77	0.014		<0.5	8.74	6	1760	1.3	<2	4.20	<0.5	12	7	2	4.96
M982094P		<0.02	0.026		<0.5	9.56	6	1850	1.3	<2	4.49	<0.5	12	6	3	5.21
M982106		12.21	<0.005		<0.5	9.12	5	1900	1.5	<2	3.68	<0.5	20	3	183	6.10
M982107		8.90	0.005		<0.5	8.69	<5	1590	1.4	<2	3.37	<0.5	21	4	194	6.13
M982108		9.11	0.005		<0.5	9.12	5	1020	1.4	<2	5.01	<0.5	22	3	194	6.33
M982109		12.62	0.005		<0.5	8.56	<5	740	1.4	<2	3.67	<0.5	21	4	199	6.23
M982110		11.42	<0.005		<0.5	8.87	5	830	1.4	<2	4.29	<0.5	19	4	181	6.13
M982111		12.19	<0.005		<0.5	8.72	6	840	1.4	<2	4.72	<0.5	19	4	141	5.91
M982112		11.88	0.006		<0.5	8.98	<5	840	1.3	<2	4.36	<0.5	20	4	178	6.15



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CERTIFICATE OF ANALYSIS TR12170412

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	
		Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
		10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20
M982068		10	2.47	10	1.15	3870	1	0.71	18	710	25	1.27	<5	17	321	<20
M982069		10	2.67	10	1.13	5330	1	0.81	24	810	35	1.45	<5	18	303	<20
M982070		20	2.65	10	1.19	4580	1	1.20	26	870	19	1.36	<5	20	310	<20
M982071		20	3.01	10	1.16	5120	1	1.06	26	890	25	1.41	<5	21	297	<20
M982072		10	2.55	20	1.16	8590	1	0.53	16	720	26	2.24	<5	17	435	<20
M982073		10	2.96	10	1.05	5680	1	0.80	16	900	34	1.52	<5	17	232	<20
M982073D		20	2.99	20	1.06	5780	1	0.81	17	910	32	1.49	<5	17	234	<20
M982074		10	2.48	10	1.06	3940	2	1.16	13	860	34	1.49	<5	16	264	<20
M982074P		10	2.54	10	1.03	3800	1	1.21	14	860	27	1.57	<5	16	266	<20
M982075		10	0.95	10	0.90	606	506	1.94	41	560	15	0.92	<5	11	244	<20
M982076		20	2.90	10	1.16	3870	2	0.69	21	820	23	1.30	<5	18	261	<20
M982077		20	3.44	10	1.05	3240	2	0.56	24	800	13	1.25	<5	19	333	<20
M982078		20	2.87	10	1.27	3800	2	0.82	26	880	24	1.18	<5	20	288	<20
M982079		20	2.95	10	1.26	3350	1	0.80	25	900	16	1.20	5	20	295	<20
M982080		20	2.44	10	1.17	3320	1	0.71	22	690	13	1.54	6	18	282	<20
M982081		20	3.00	10	1.20	2650	1	0.89	24	840	17	1.68	<5	19	252	<20
M982082		20	2.47	10	1.27	4320	1	0.71	23	750	25	1.41	<5	19	304	<20
M982083		20	2.53	10	1.17	3200	1	0.72	21	700	15	1.36	<5	18	329	<20
M982083D		20	2.50	10	1.16	3120	1	0.71	22	680	14	1.32	<5	18	325	<20
M982084		20	2.88	10	1.24	2750	1	0.61	22	710	17	1.04	<5	20	227	<20
M982084P		20	2.96	10	1.24	2830	1	0.62	22	730	18	1.06	<5	20	231	<20
M982085		20	3.59	10	1.22	3690	2	0.61	25	740	15	1.30	<5	20	186	<20
M982086		20	2.78	10	1.08	1655	<1	1.32	5	1000	8	0.49	<5	16	200	<20
M982087		20	2.31	10	1.16	1460	<1	1.92	<1	1120	5	0.11	<5	15	331	<20
M982088		20	2.24	10	1.18	1240	<1	2.08	2	1110	5	0.09	<5	15	352	<20
M982089		20	2.28	10	1.17	1365	1	2.27	2	1170	7	0.14	<5	15	388	<20
M982090		20	2.32	10	0.72	598	39	2.62	12	830	9470	1.64	149	7	695	<20
M982091		20	3.01	10	1.11	1200	<1	1.64	2	1050	11	0.04	<5	13	527	<20
M982092		20	2.70	10	1.13	1205	<1	1.53	3	1000	4	0.08	<5	12	566	<20
M982093		20	2.66	10	1.06	1055	<1	1.62	2	1060	4	0.12	<5	14	358	<20
M982093D		20	2.76	10	1.06	1065	<1	1.63	2	1070	2	0.11	<5	14	358	<20
M982094		20	3.10	10	1.20	1045	<1	1.67	3	1120	5	0.15	<5	15	482	<20
M982094P		20	3.23	10	1.30	1105	<1	1.73	1	1170	3	0.17	<5	17	507	<20
M982106		20	3.34	10	2.33	1270	2	3.18	6	2230	8	0.03	<5	14	1150	<20
M982107		20	3.81	10	2.57	1375	2	2.88	6	2120	5	0.06	<5	15	724	<20
M982108		20	3.28	10	2.22	1510	2	3.22	8	2190	5	0.44	<5	18	740	<20
M982109		20	2.65	10	2.40	1305	1	3.25	8	2130	6	0.03	<5	15	804	<20
M982110		20	2.64	10	2.18	1320	1	3.39	6	2130	2	0.08	<5	15	711	<20
M982111		20	2.44	10	2.09	1345	1	3.47	5	2020	5	0.06	<5	13	816	<20
M982112		20	2.60	10	2.07	1280	1	3.41	7	2160	6	0.03	<5	15	837	<20



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CERTIFICATE OF ANALYSIS TR12170412

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	Ag- OG62	Cu- OG62
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Ag ppm	Cu %
		0.01	10	10	1	10	2	1	0.001
M982068		0.35	<10	<10	123	<10	86		
M982069		0.39	<10	<10	132	<10	210		
M982070		0.42	<10	<10	146	<10	206		
M982071		0.43	<10	<10	151	<10	145		
M982072		0.37	<10	<10	110	<10	137		
M982073		0.38	<10	<10	137	<10	448		
M982073D		0.38	<10	<10	140	<10	450		
M982074		0.36	<10	<10	138	<10	122		
M982074P		0.36	<10	<10	138	<10	113		
M982075		0.26	<10	<10	85	30	84		1.285
M982076		0.38	<10	<10	137	<10	152		
M982077		0.42	<10	<10	149	<10	268		
M982078		0.42	<10	<10	149	<10	163		
M982079		0.43	<10	<10	154	<10	136		
M982080		0.36	<10	<10	127	<10	109		
M982081		0.42	<10	<10	150	<10	124		
M982082		0.39	<10	<10	138	<10	275		
M982083		0.37	<10	<10	135	<10	133		
M982083D		0.37	<10	<10	132	<10	129		
M982084		0.41	<10	<10	146	<10	133		
M982084P		0.42	<10	<10	150	<10	134		
M982085		0.41	<10	<10	151	<10	135		
M982086		0.33	<10	<10	206	<10	89		
M982087		0.35	<10	<10	177	<10	87		
M982088		0.34	<10	<10	182	<10	93		
M982089		0.34	<10	<10	178	<10	105		
M982090		0.23	10	<10	78	20	7380	106	
M982091		0.30	<10	<10	158	<10	79		
M982092		0.29	<10	<10	145	<10	70		
M982093		0.31	<10	<10	165	<10	43		
M982093D		0.32	<10	<10	171	<10	45		
M982094		0.36	<10	<10	191	<10	68		
M982094P		0.37	<10	<10	198	<10	69		
M982106		0.55	<10	<10	221	<10	102		
M982107		0.56	<10	<10	235	<10	104		
M982108		0.57	<10	<10	247	<10	104		
M982109		0.54	<10	<10	230	<10	98		
M982110		0.53	<10	<10	222	<10	102		
M982111		0.52	<10	<10	218	<10	95		
M982112		0.55	<10	<10	231	<10	102		



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CERTIFICATE OF ANALYSIS TR12170412

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA23 Au ppm	Au- GRA21 Au ppm	ME- ICP61 Ag ppm	ME- ICP61 Al %	ME- ICP61 As ppm	ME- ICP61 Ba ppm	ME- ICP61 Be ppm	ME- ICP61 Bi ppm	ME- ICP61 Ca %	ME- ICP61 Cd ppm	ME- ICP61 Co ppm	ME- ICP61 Cr ppm	ME- ICP61 Cu ppm	ME- ICP61 Fe %
		0.02	0.005	0.05	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01
M982113		10.13	0.005		<0.5	8.60	<5	880	1.4	<2	4.56	<0.5	20	4	177	5.96
M982114		9.84	<0.005		<0.5	8.85	<5	820	1.4	<2	4.64	<0.5	20	4	185	6.22
M982114D		<0.02	<0.005		<0.5	9.11	<5	830	1.4	<2	4.67	<0.5	21	4	187	6.27
M982115		0.11	1.230		4.9	5.72	23	550	0.7	3	1.70	0.5	13	50	>10000	3.93
M982116		11.11	<0.005		<0.5	8.57	<5	1010	1.3	<2	4.14	<0.5	20	4	239	6.04
M982116P		<0.02	<0.005		<0.5	9.27	<5	1090	1.4	<2	4.52	<0.5	19	5	176	6.63



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CERTIFICATE OF ANALYSIS TR12170412

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	
		Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
		10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20
M982113		20	2.76	10	1.92	1175	2	2.97	6	2080	6	0.02	<5	14	1250	<20
M982114		20	3.11	10	2.02	1215	2	2.88	6	2120	6	0.03	<5	15	1230	<20
M982114D		20	3.15	10	2.06	1225	1	2.90	6	2160	5	0.03	<5	16	1235	<20
M982115		10	0.95	10	0.90	610	502	1.95	36	570	8	1.00	<5	11	246	<20
M982116		20	3.20	10	2.09	1180	3	2.77	7	2070	7	0.03	<5	15	1205	<20
M982116P		20	3.40	10	2.27	1285	<1	2.99	6	2260	5	0.03	<5	17	1285	<20



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CERTIFICATE OF ANALYSIS TR12170412

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	Ag- OG62	Cu- OG62
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Ag ppm	Cu %
		0.01	10	10	1	10	2	1	0.001
M982113		0.54	<10	<10	226	<10	100		
M982114		0.55	<10	<10	230	<10	100		
M982114D		0.55	<10	<10	231	<10	101		
M982115		0.26	<10	<10	85	30	82		1.295
M982116		0.54	<10	<10	231	<10	98		
M982116P		0.57	<10	<10	248	<10	103		



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CERTIFICATE TR12175292

Project: Bronson Creek
 P.O. No.: 54- 011401
 This report is for 63 Drill Core samples submitted to our lab in Terrace, BC, Canada on 1- AUG- 2012.
 The following have access to data associated with this certificate:

JENNIFER BURGESS JIM SPARLING	WILLIAM HAY JOHN ZBEETNOFF	SUSAN HENDERSON
----------------------------------	-------------------------------	-----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22d	Sample login - Rcd w/o BarCode dup
PUL- 32d	Pulverize Split - Dup 85% < 75um
BAG- 01	Bulk Master for Storage
SPL- 21d	Split sample - duplicate
SPL- 34	Pulp Splitting Charge
SPLIT- Z	Pulp split for send out
LOG- 23	Pulp Login - Rcvd with Barcode
LOG- 21	Sample logging - ClientBarCode
CRU- 31	Fine crushing - 70% < 2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 32	Pulverize 1000g to 85% < 75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Cu- OG62	Ore Grade Cu - Four Acid	VARIABLE
As- OG62	Ore Grade As - Four Acid	VARIABLE
Au- AA23	Au 30g FA- AA finish	AAS
Au- GRA21	Au 30g FA- GRAV finish	WST- SIM
ME- ICP61	33 element four acid ICP- AES	ICP- AES
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE

To: **SNIPGOLD CORP.**
ATTN: WILLIAM HAY
611 - 675 WEST HASTINGS ST.
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Comments: ****Corrected Copy for ME- ICP61 on Samples M982288- M982292 and Cu- OG62 on M982275.****

Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS TR12175292

Sample Description	Method	WEI- 21	Au- AA23	Au- GRA21	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	g/t	g/t	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.05	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01
M982270		8.55	0.012		1.5	8.24	8	1010	0.9	<2	4.72	17.1	12	21	91	5.34
M982271		11.94	0.007		1.1	8.01	20	890	0.9	<2	3.98	10.5	17	20	90	5.40
M982272		8.05	<0.005		0.9	7.80	13	790	0.8	<2	5.50	5.0	11	22	75	5.11
M982273		8.65	0.006		0.6	7.90	78	810	0.8	<2	4.90	36.0	16	35	80	6.00
M982274		9.14	0.031		0.5	7.58	74	740	0.8	<2	4.56	36.6	14	33	73	5.65
M982275		0.12	1.365		5.0	5.96	13	620	0.8	<2	1.89	<0.5	14	56	>10000	4.27
M982276		8.53	0.016		2.0	7.57	41	810	0.9	<2	4.51	52.4	15	39	120	6.71
M982277		8.72	0.013		1.5	7.91	146	860	0.9	<2	6.90	45.1	16	51	110	6.01
M982278		12.34	0.009		1.0	7.97	25	840	0.8	<2	5.16	17.2	14	33	65	5.09
M982279		12.41	0.019		0.9	7.70	41	830	0.8	<2	6.29	5.2	15	55	61	4.75
M982279D		<0.02	0.014		1.1	7.30	51	850	0.8	<2	6.37	5.3	13	55	62	4.79
M982280		12.75	0.013		2.2	7.84	87	950	0.8	<2	5.84	21.9	15	27	103	5.97
M982280P		<0.02	0.011		2.6	8.48	122	950	0.9	<2	5.87	23.6	16	28	103	6.00
M982281		11.35	0.027		0.7	8.25	44	790	0.8	<2	6.11	20.3	16	26	94	5.86
M982282		7.65	0.019		0.9	8.07	79	810	0.8	<2	5.21	4.1	14	42	64	5.01
M982283		9.07	0.021		<0.5	7.64	77	790	0.8	<2	4.67	6.4	14	29	62	4.94
M982284		11.13	0.015		0.9	7.72	179	990	0.8	<2	6.16	2.1	14	37	48	5.39
M982285		12.34	0.006		<0.5	8.07	343	930	0.6	<2	6.26	2.6	13	59	52	5.26
M982286		12.17	0.007		0.8	7.54	184	950	0.8	<2	7.49	8.2	14	44	97	4.92
M982287		9.69	0.006		<0.5	7.32	241	880	0.8	<2	8.11	11.4	12	45	78	4.79
M982288		9.05	0.020		0.6	7.90	203	1100	0.7	<2	5.66	12.5	15	51	77	5.12
M982289		11.93	0.015		0.7	7.60	22	1280	0.7	<2	4.25	14.5	15	31	52	5.67
M982289D		<0.02	0.021		0.8	7.55	23	1310	0.7	<2	4.25	14.3	16	30	52	5.65
M982290		0.11	0.667		96.6	7.57	55	1450	1.2	3	2.36	53.8	13	21	4500	3.87
M982291		12.30	0.016		0.5	7.13	24	1400	0.6	3	5.48	2.4	14	46	41	5.72
M982291P		<0.02	0.015		<0.5	7.19	34	1430	0.6	<2	5.41	2.3	15	47	41	5.79
M982292		12.13	0.018		0.6	7.82	23	1760	0.8	<2	4.11	2.4	13	51	96	6.73
M982293		12.57	0.127		0.9	7.72	44	1140	0.6	<2	2.31	1.9	13	53	140	8.51
M982294		12.14	0.093		2.5	7.69	24	1960	0.8	<2	2.95	15.8	13	43	529	8.19
M982295		10.49	0.015		0.7	7.75	18	1920	0.8	<2	3.23	1.9	9	51	63	6.70
M982296		12.47	0.037		0.6	7.71	45	1480	0.7	<2	4.50	<0.5	16	41	97	5.71
M982297		12.50	0.025		0.6	7.81	30	1380	0.6	<2	3.66	<0.5	14	57	50	6.57
M982298		12.36	0.027		0.8	7.61	25	1250	0.7	<2	3.93	<0.5	15	58	87	6.56
M982299		11.54	0.031		1.3	7.93	50	1020	0.9	<2	5.90	0.5	15	42	137	5.89
M982299D		<0.02	0.030		1.4	7.82	49	1090	0.9	<2	5.83	<0.5	14	39	135	5.81
M982300		0.11	7.69	7.82	12.9	6.40	47	610	0.7	<2	4.09	4.7	34	41	>10000	7.96
M982301		7.57	0.039		3.5	8.51	22	1180	0.8	<2	1.59	<0.5	14	52	306	8.93
M982301P		<0.02	0.032		3.7	8.47	24	1020	0.8	<2	1.62	<0.5	15	55	326	9.19
M982302		9.64	0.106		18.6	7.92	11	960	0.8	37	1.59	<0.5	13	38	358	8.74
M982303		8.69	0.147		4.8	7.54	29	750	0.8	<2	2.84	9.3	21	23	177	9.13

Comments: **Corrected Copy for ME- ICP61 on Samples M982288- M982292 and Cu- OG62 on M982275.**



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Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	
		Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
		10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20
M982270		20	3.36	10	1.42	2270	2	1.25	12	1600	22	1.24	7	13	260	<20
M982271		20	3.00	10	1.55	2180	1	1.29	15	1580	29	0.85	5	12	234	<20
M982272		10	2.71	10	1.55	2580	3	1.33	15	1460	14	0.47	5	13	285	<20
M982273		20	2.76	10	1.58	2400	2	1.66	18	1430	13	0.76	5	13	287	<20
M982274		20	2.45	10	1.58	2450	2	1.59	19	1410	9	0.57	<5	13	261	<20
M982275		10	1.02	10	0.95	695	576	2.05	42	630	12	0.96	<5	12	259	<20
M982276		20	2.85	10	1.52	2480	1	1.31	22	1260	19	1.75	9	13	237	<20
M982277		20	3.10	10	1.36	2630	1	1.22	27	1270	15	1.54	6	15	330	<20
M982278		20	2.81	10	1.44	2140	2	1.84	16	1310	7	0.94	10	13	292	<20
M982279		20	2.86	10	1.46	2480	1	1.46	28	1130	18	0.86	<5	15	328	<20
M982279D		20	2.87	10	1.44	2520	1	1.49	26	1130	16	0.90	<5	14	339	<20
M982280		20	3.02	10	1.61	2930	2	1.27	18	1510	129	1.14	6	14	297	<20
M982280P		20	3.00	10	1.64	2930	2	1.18	17	1480	176	1.20	8	15	294	<20
M982281		20	2.61	10	1.82	2670	2	1.34	19	1490	8	0.88	12	14	302	<20
M982282		20	2.75	<10	1.65	2110	1	1.02	25	1260	13	0.65	<5	15	273	<20
M982283		20	2.68	10	1.65	2160	<1	1.47	15	1340	10	0.66	<5	12	260	<20
M982284		20	3.11	10	1.64	2910	1	1.50	17	1270	17	1.30	<5	13	326	<20
M982285		10	2.62	10	1.92	2710	1	1.62	27	1080	19	0.84	<5	16	316	<20
M982286		20	3.38	10	1.39	2010	1	0.32	23	1320	13	1.14	<5	13	321	<20
M982287		10	3.05	10	1.66	2550	1	0.31	26	1300	17	0.90	<5	13	373	<20
M982288		20	3.35	10	1.76	2410	2	0.55	24	1210	9	0.92	<5	14	282	<20
M982289		10	2.78	10	1.50	2410	1	1.97	12	1230	11	1.97	<5	14	287	<20
M982289D		10	2.78	10	1.47	2420	1	1.96	14	1240	14	1.96	<5	14	286	<20
M982290		20	2.19	10	0.68	578	35	2.48	10	800	9470	1.57	141	7	648	<20
M982291		10	2.48	10	1.90	2790	<1	1.53	19	1170	16	1.51	<5	16	293	<20
M982291P		10	2.51	10	1.91	2760	<1	1.59	18	1160	10	1.54	<5	16	291	<20
M982292		20	2.51	<10	2.13	3520	<1	2.17	16	1210	12	1.24	<5	16	265	<20
M982293		10	3.14	10	2.09	3290	<1	1.12	18	1240	26	2.40	<5	17	157	<20
M982294		20	3.05	10	2.13	3450	<1	1.50	13	1340	35	1.74	<5	15	231	<20
M982295		20	3.17	10	2.23	3020	<1	1.21	18	1220	55	0.83	<5	16	228	<20
M982296		10	3.21	10	1.40	2420	<1	1.76	15	1220	17	2.19	<5	15	310	<20
M982297		20	3.14	10	1.68	2460	<1	2.05	20	1250	12	2.28	<5	17	288	<20
M982298		10	3.39	10	1.82	2410	<1	1.68	19	1260	19	2.07	6	16	317	<20
M982299		10	3.43	10	1.54	2870	<1	1.61	17	1470	31	2.48	<5	16	398	<20
M982299D		20	3.39	10	1.52	2860	<1	1.60	17	1460	32	2.45	8	16	395	<20
M982300		10	1.44	10	1.42	735	424	1.65	46	1020	77	5.47	53	15	289	<20
M982301		20	4.16	10	1.78	2240	1	0.97	27	1460	18	2.71	6	17	141	<20
M982301P		20	4.25	10	1.77	2300	1	0.94	27	1470	18	2.88	5	17	142	<20
M982302		20	4.36	10	1.45	2350	1	0.10	25	1550	68	2.90	<5	15	121	<20
M982303		20	3.92	10	2.17	2970	1	0.82	18	1420	27	3.19	6	14	305	<20

Comments: **Corrected Copy for ME- ICP61 on Samples M982288- M982292 and Cu- OG62 on M982275.**



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Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	Ag- OG62	Cu- OG62	As- OG62
		Ti	Ti	U	V	W	Zn	Ag	Cu	As
		%	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	10	10	1	10	2	1	0.001	0.001
M982270		0.45	<10	<10	178	<10	1210			
M982271		0.42	<10	<10	161	<10	826			
M982272		0.41	<10	<10	158	<10	498			
M982273		0.45	10	<10	185	10	2400			
M982274		0.44	<10	<10	169	<10	2260			
M982275		0.29	<10	<10	97	40	96		1.280	
M982276		0.41	10	<10	168	10	3720			
M982277		0.45	<10	<10	185	<10	3370			
M982278		0.45	<10	<10	180	<10	1310			
M982279		0.44	10	<10	184	<10	522			
M982279D		0.43	10	<10	186	<10	526			
M982280		0.47	<10	<10	195	<10	1690			
M982280P		0.46	<10	<10	188	10	1880			
M982281		0.46	10	<10	188	<10	1520			
M982282		0.43	<10	<10	175	<10	459			
M982283		0.42	<10	<10	171	<10	600			
M982284		0.36	<10	<10	167	<10	264			
M982285		0.40	10	<10	178	<10	374			
M982286		0.37	<10	<10	166	<10	761			
M982287		0.37	<10	<10	155	<10	1065			
M982288		0.38	<10	<10	166	<10	1260			
M982289		0.36	<10	10	175	<10	1255			
M982289D		0.35	<10	<10	178	<10	1240			
M982290		0.22	10	<10	76	10	7420	100		
M982291		0.44	<10	<10	203	10	341			
M982291P		0.44	<10	<10	206	<10	337			
M982292		0.45	<10	<10	208	<10	468			
M982293		0.45	<10	<10	206	<10	475			
M982294		0.44	<10	<10	194	10	2300			
M982295		0.44	<10	<10	197	<10	447			
M982296		0.41	<10	<10	182	<10	106			
M982297		0.46	<10	<10	207	<10	99			
M982298		0.48	10	<10	220	<10	118			
M982299		0.46	<10	<10	209	10	118			
M982299D		0.46	<10	<10	207	10	114			
M982300		0.34	<10	<10	148	10	157		3.39	
M982301		0.42	<10	<10	183	10	86			
M982301P		0.43	<10	<10	190	<10	89			
M982302		0.39	<10	<10	164	<10	76			
M982303		0.40	<10	<10	175	<10	1385			

Comments: **Corrected Copy for ME- ICP61 on Samples M982288- M982292 and Cu- OG62 on M982275.**



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA23 Au g/t	Au- GRA21 Au g/t	ME- ICP61 Ag ppm	ME- ICP61 Al %	ME- ICP61 As ppm	ME- ICP61 Ba ppm	ME- ICP61 Be ppm	ME- ICP61 Bi ppm	ME- ICP61 Ca %	ME- ICP61 Cd ppm	ME- ICP61 Co ppm	ME- ICP61 Cr ppm	ME- ICP61 Cu ppm	ME- ICP61 Fe %
		0.02	0.005	0.05	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01
M982304		9.40	5.64	5.62	30.4	8.84	32	960	1.0	8	2.25	7.7	22	6	181	8.77
M982305		12.03	0.007		<0.5	8.20	12	1440	1.0	<2	4.05	2.4	17	9	152	6.80
M982306		12.45	0.026		1.1	8.12	29	1040	0.9	<2	3.40	28.1	19	8	205	7.62
M982307		12.68	0.023		7.0	7.72	15	1030	0.7	8	2.19	6.5	15	10	239	8.06
M982308		11.83	0.026		3.7	6.96	25	1090	0.9	6	3.69	<0.5	17	7	202	6.42
M982309		12.45	0.170		6.8	6.63	4990	380	0.6	10	2.72	1.1	15	9	463	8.37
M982309D		<0.02	0.172		6.5	6.90	4960	340	0.6	12	2.73	1.0	14	8	450	8.41
M982310		12.16	0.165		8.4	7.68	>10000	760	0.7	18	3.00	0.8	21	8	321	7.67
M982310P		<0.02	0.166		8.7	7.38	>10000	1020	0.7	15	3.07	0.7	22	9	330	7.72
M982311		10.28	0.005		1.2	7.47	68	1360	0.8	4	3.79	<0.5	15	7	207	6.78
M982312		10.04	0.010		1.6	7.68	29	1370	0.8	3	3.60	<0.5	19	6	261	7.09
M982313		9.18	0.009		1.3	7.95	<5	1620	0.7	7	2.93	<0.5	15	7	239	7.24
M982314		9.72	0.020		2.6	7.96	89	1170	0.9	6	4.78	<0.5	19	7	150	6.29
M982315		0.11	1.280		5.0	5.83	29	600	0.7	<2	1.79	<0.5	13	55	>10000	4.06
M982316		12.95	0.195		1.3	7.41	>10000	1190	1.1	2	6.18	<0.5	23	5	144	6.57
M982317		11.28	0.018		0.9	7.67	2100	780	1.3	<2	9.08	<0.5	18	4	189	4.93
M982318		10.03	0.019		1.5	7.72	227	830	1.3	<2	6.52	<0.5	20	5	428	5.32
M982319		11.67	0.019		0.6	8.17	264	950	1.2	<2	5.18	0.5	18	6	219	5.96
M982319D		<0.02	0.016		0.6	7.65	259	940	1.2	<2	5.15	<0.5	18	6	219	5.89
M982320		4.61	0.045		2.3	4.26	82	550	0.7	<2	17.6	3.8	15	3	207	8.36
M982320P		<0.02	0.034		2.1	4.26	90	530	0.7	3	18.1	3.9	14	4	195	8.58
M982321		7.69	0.197		0.6	8.29	10	1520	0.9	<2	3.66	6.4	21	6	176	6.90
M982322		Not Recvd														

Comments: **Corrected Copy for ME- ICP61 on Samples M982288- M982292 and Cu- OG62 on M982275.**



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		Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
		10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20
M982304		20	4.17	10	1.91	2680	<1	1.86	7	2140	61	2.84	5	18	276	<20
M982305		20	3.59	10	1.70	2540	<1	2.32	10	2060	8	0.61	<5	17	339	<20
M982306		20	3.46	10	1.41	2270	<1	2.66	10	2100	28	3.09	<5	17	346	<20
M982307		10	3.63	10	1.32	2130	<1	2.12	9	1830	156	2.70	<5	16	250	<20
M982308		20	3.97	10	1.34	2360	1	1.24	10	1700	85	2.57	8	14	323	<20
M982309		20	4.24	<10	1.23	2330	1	0.72	7	1740	91	3.77	7	14	294	<20
M982309D		10	4.29	10	1.26	2330	<1	0.72	8	1740	91	3.79	11	14	295	<20
M982310		20	3.97	10	1.35	2410	<1	0.91	10	1760	120	2.72	9	16	310	<20
M982310P		20	4.12	10	1.33	2490	<1	0.92	9	1810	121	2.68	11	15	315	<20
M982311		20	3.68	10	1.32	2650	<1	1.67	8	1930	22	1.68	<5	15	396	<20
M982312		20	3.48	10	1.17	2860	<1	2.39	8	1980	18	1.92	7	16	391	<20
M982313		20	3.61	10	1.12	2550	<1	2.35	8	2050	21	1.72	6	16	336	<20
M982314		20	3.33	10	1.20	2700	1	2.26	9	1920	31	1.07	<5	16	406	<20
M982315		10	0.98	10	0.92	660	557	1.99	36	620	10	0.95	5	12	260	<20
M982316		20	3.83	10	1.23	2710	1	1.18	9	1990	16	2.78	18	15	391	<20
M982317		20	3.58	10	1.41	2720	1	1.22	7	1860	6	0.26	5	16	484	<20
M982318		20	3.13	10	1.20	2190	1	2.29	9	2010	5	0.11	5	15	475	<20
M982319		20	3.24	10	1.14	2020	1	2.58	8	2110	5	0.31	8	17	415	<20
M982319D		20	3.21	10	1.09	2020	1	2.56	9	2090	4	0.31	<5	15	407	<20
M982320		10	2.28	20	1.93	5420	4	0.41	6	940	131	3.97	10	15	988	<20
M982320P		10	2.30	20	2.00	5590	4	0.39	6	940	129	4.08	11	15	1015	<20
M982321		20	4.21	10	1.56	2630	<1	1.99	8	1910	58	0.95	7	16	336	<20
M982322																

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Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	Ag- OG62	Cu- OG62	As- OG62
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Ag ppm	Cu %	As %
		0.01	10	10	1	10	2	1	0.001	0.001
M982304		0.54	10	<10	241	10	1025			
M982305		0.51	<10	<10	239	10	444			
M982306		0.44	10	<10	240	10	3540			
M982307		0.42	<10	<10	207	10	864			
M982308		0.38	<10	<10	213	10	103			
M982309		0.38	<10	<10	207	10	197			
M982309D		0.38	<10	<10	203	10	192			
M982310		0.44	<10	<10	213	10	173			1.525
M982310P		0.45	<10	<10	225	10	169			1.470
M982311		0.48	<10	<10	223	<10	127			
M982312		0.48	<10	<10	228	<10	96			
M982313		0.49	<10	<10	225	10	108			
M982314		0.50	<10	<10	222	<10	99			
M982315		0.28	<10	<10	93	40	81		1.295	
M982316		0.34	<10	<10	231	10	133			4.68
M982317		0.47	<10	<10	208	<10	95			
M982318		0.53	<10	<10	238	<10	158			
M982319		0.53	<10	<10	242	<10	185			
M982319D		0.53	10	<10	244	<10	188			
M982320		0.24	<10	<10	135	<10	495			
M982320P		0.24	<10	<10	137	<10	509			
M982321		0.55	<10	<10	236	10	1090			
M982322										

Comments: **Corrected Copy for ME- ICP61 on Samples M982288- M982292 and Cu- OG62 on M982275.**



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 18- JAN- 2013
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CERTIFICATE TR12175831

Project: Bronson Creek
 P.O. No.: 54- 011401
 This report is for 134 Drill Core samples submitted to our lab in Terrace, BC, Canada on 28-JUL- 2012.

The following have access to data associated with this certificate:

JENNIFER BURGESS
 JIM SPARLING

WILLIAM HAY
 JOHN ZBEETNOFF

SUSAN HENDERSON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22d	Sample login - Rcd w/o BarCode dup
PUL- 32d	Pulverize Split - Dup 85% < 75um
BAG- 01	Bulk Master for Storage
SPL- 21d	Split sample - duplicate
SPL- 34	Pulp Splitting Charge
SPLIT- Z	Pulp split for send out
LOG- 23	Pulp Login - Rcvd with Barcode
LOG- 21	Sample logging - ClientBarCode
CRU- 31	Fine crushing - 70% < 2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 32	Pulverize 1000g to 85% < 75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Cu- OG62	Ore Grade Cu - Four Acid	VARIABLE
Pb- OG62	Ore Grade Pb - Four Acid	VARIABLE
Au- AA23	Au 30g FA- AA finish	AAS
Au- GRA21	Au 30g FA- GRAV finish	WST- SIM
ME- ICP61	33 element four acid ICP- AES	ICP- AES
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE

To: **SNIPGOLD CORP.**
ATTN: WILLIAM HAY
611 - 675 WEST HASTINGS ST.
VANCOUVER BC V6B 1N2

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

Comments: **Corrected Copy for ME- ICP61 on Samples M982128- M982132 & Au- AA23 on M982187P- M982193.**

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS TR12175831

Sample Description	Method	WEI- 21	Au- AA23	Au- GRA21	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units		kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR		0.02	0.005	0.05	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01
M982117		10.83	<0.005		<0.5	8.86	<5	910	1.3	<2	4.74	<0.5	20	2	188	6.14
M982118		11.85	<0.005		<0.5	9.08	5	1020	1.4	<2	5.34	<0.5	21	2	212	6.34
M982119		12.06	<0.005		<0.5	9.30	<5	950	1.4	<2	4.59	<0.5	20	2	225	6.48
M982120		12.33	<0.005		<0.5	8.83	<5	920	1.3	<2	4.13	<0.5	19	2	241	6.42
M982121		11.31	<0.005		<0.5	9.02	<5	800	1.4	<2	4.25	<0.5	20	3	177	6.30
M982122		11.83	<0.005		<0.5	9.21	<5	780	1.4	<2	4.49	<0.5	21	1	218	6.72
M982123		12.52	0.006		<0.5	9.24	<5	850	1.5	<2	4.82	<0.5	20	1	208	6.50
M982124		11.65	0.005		<0.5	8.99	<5	880	1.4	<2	4.89	<0.5	20	1	179	6.14
M982125		11.90	<0.005		<0.5	9.21	6	910	1.4	<2	4.30	<0.5	19	1	198	6.15
M982126		12.55	<0.005		<0.5	8.70	<5	910	1.2	<2	5.55	<0.5	21	4	177	6.32
M982126D		<0.02	<0.005		<0.5	9.32	6	920	1.3	<2	5.62	<0.5	22	1	186	6.41
M982127		8.39	<0.005		<0.5	9.24	<5	870	1.2	<2	4.58	<0.5	23	2	167	6.55
M982127P		<0.02	<0.005		<0.5	9.22	<5	840	1.2	<2	4.52	0.5	22	3	157	6.45
M982128		7.72	<0.005		<0.5	7.96	<5	290	0.8	<2	6.79	<0.5	37	35	21	8.34
M982129		9.42	<0.005		<0.5	8.51	7	270	0.8	4	6.82	<0.5	37	36	24	8.31
M982130		0.11	0.639		>100	7.54	61	1520	1.2	2	2.39	54.4	12	21	4610	3.92
M982131		8.48	<0.005		<0.5	8.35	<5	370	0.8	5	6.43	0.5	37	31	41	8.12
M982132		9.77	<0.005		<0.5	8.32	<5	800	1.1	2	4.72	<0.5	20	4	191	6.43
M982133		11.53	<0.005		<0.5	9.25	<5	750	1.3	<2	5.48	<0.5	22	2	188	6.75
M982134		12.85	<0.005		<0.5	9.36	8	640	1.5	<2	6.13	<0.5	24	1	191	6.57
M982135		9.58	<0.005		<0.5	8.70	<5	980	1.4	<2	4.72	<0.5	20	2	186	6.05
M982136		6.28	<0.005		<0.5	9.11	<5	1070	1.3	<2	4.23	<0.5	22	2	207	6.56
M982136D		<0.02	<0.005		<0.5	9.01	<5	1050	1.3	<2	4.13	<0.5	20	2	201	6.44
M982137		5.20	<0.005		<0.5	8.76	<5	1050	1.4	<2	4.40	<0.5	24	2	195	6.97
M982137P		<0.02	<0.005		<0.5	9.05	6	990	1.3	<2	4.17	<0.5	21	2	184	6.61
M982138		8.88	<0.005		<0.5	9.15	<5	310	1.0	<2	7.19	<0.5	40	36	21	9.07
M982139		12.55	<0.005		<0.5	9.13	<5	310	1.0	<2	7.13	<0.5	36	38	19	8.90
M982140		11.96	<0.005		<0.5	9.24	<5	300	0.9	<2	7.13	<0.5	39	36	19	8.89
M982141		11.66	<0.005		<0.5	9.45	<5	290	0.9	<2	7.18	<0.5	39	39	17	8.43
M982142		12.69	<0.005		<0.5	9.14	<5	290	0.9	<2	7.21	<0.5	38	38	32	8.90
M982143		12.02	<0.005		<0.5	8.68	<5	300	1.0	<2	6.91	<0.5	35	34	28	8.73
M982144		6.59	<0.005		<0.5	8.50	<5	720	1.1	<2	3.24	<0.5	21	8	141	6.96
M982145		0.63	<0.005		0.7	0.14	<5	10	<0.5	<2	36.1	<0.5	<1	1	1	0.12
M982146		7.32	<0.005		<0.5	8.70	<5	550	0.8	<2	3.87	<0.5	23	14	56	6.69
M982146D		<0.02	<0.005		<0.5	8.64	<5	550	0.8	<2	3.83	<0.5	22	14	53	6.65
M982147		8.65	<0.005		<0.5	8.53	<5	460	0.6	<2	4.49	<0.5	21	13	50	6.18
M982147P		<0.02	<0.005		<0.5	8.37	<5	450	0.6	<2	4.66	<0.5	22	13	51	6.03
M982148		8.37	<0.005		<0.5	8.44	<5	570	0.6	<2	3.69	<0.5	21	14	47	6.28
M982149		12.35	<0.005		<0.5	8.98	7	610	0.7	<2	4.07	<0.5	23	14	49	6.51
M982150		10.14	<0.005		<0.5	9.04	5	630	0.8	<2	4.91	<0.5	21	15	66	6.62

Comments: **Corrected Copy for ME- ICP61 on Samples M982128- M982132 & Au- AA23 on M982187P- M982193.**



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Project: Bronson Creek

CERTIFICATE OF ANALYSIS TR12175831

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	
		Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
		10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20
M982117		20	2.93	10	1.97	1455	1	3.33	10	2200	8	0.07	<5	17	850	<20
M982118		20	2.97	10	1.75	1370	<1	3.21	7	2230	7	0.06	<5	18	964	<20
M982119		20	2.89	10	2.24	1525	1	3.53	7	2220	10	0.03	<5	17	793	<20
M982120		20	3.20	10	2.48	1335	1	2.99	6	2260	11	0.04	<5	16	796	<20
M982121		20	3.20	10	2.11	1325	<1	3.07	7	2270	10	0.06	<5	17	712	<20
M982122		20	3.46	10	2.12	1325	1	2.86	7	2360	7	0.04	<5	17	570	<20
M982123		20	3.01	10	2.32	1440	<1	3.00	6	2290	6	0.05	<5	18	772	<20
M982124		20	2.98	10	1.88	1410	1	3.13	5	2240	9	0.38	<5	17	673	<20
M982125		20	2.97	10	2.01	1395	1	3.13	6	2230	7	0.18	<5	18	604	<20
M982126		20	2.87	10	2.16	1470	1	2.89	8	1830	9	0.17	<5	17	571	<20
M982126D		20	3.04	10	2.22	1495	1	3.01	5	2070	8	0.18	<5	18	597	<20
M982127		20	2.55	10	2.40	1485	1	3.28	5	1990	5	0.11	<5	18	592	<20
M982127P		20	2.45	10	2.40	1455	1	3.26	4	1940	6	0.11	<5	18	580	<20
M982128		20	0.55	10	3.30	1400	1	1.97	24	1310	<2	0.14	<5	26	564	<20
M982129		20	0.53	10	3.43	1310	1	2.04	24	1280	3	0.12	<5	26	546	<20
M982130		20	2.22	10	0.68	579	37	2.53	10	810	9670	1.60	148	6	662	<20
M982131		20	0.76	10	3.35	1275	<1	2.12	24	1410	6	0.16	<5	25	649	<20
M982132		20	2.75	10	2.19	1235	<1	2.84	7	2010	2	0.05	<5	16	570	<20
M982133		20	2.95	10	1.90	1365	<1	2.75	5	2230	8	0.05	<5	19	478	<20
M982134		20	3.34	10	2.14	1460	1	2.13	6	2190	12	0.14	<5	19	493	<20
M982135		20	3.17	10	2.00	1390	<1	2.74	4	2160	14	0.81	<5	16	520	<20
M982136		20	3.29	10	2.15	1520	1	3.38	8	2310	11	0.35	<5	17	637	<20
M982136D		20	3.23	10	2.12	1485	<1	3.30	6	2230	9	0.34	<5	17	622	<20
M982137		20	3.42	10	2.29	1500	1	3.29	7	2360	6	0.03	<5	17	702	<20
M982137P		20	3.25	10	2.23	1410	1	3.03	6	2250	10	0.03	<5	19	660	<20
M982138		20	0.65	10	3.63	1530	<1	2.27	22	1530	3	0.18	<5	30	596	<20
M982139		20	0.63	10	3.59	1480	1	2.29	20	1490	3	0.14	<5	30	567	<20
M982140		20	0.59	10	3.75	1480	1	2.22	25	1420	<2	0.14	<5	28	681	<20
M982141		20	0.56	10	3.85	1380	1	2.17	25	1310	2	0.13	<5	28	779	<20
M982142		20	0.58	10	3.88	1400	2	2.33	34	1420	11	0.14	<5	28	583	<20
M982143		20	0.65	10	3.56	1430	1	2.33	23	1550	8	0.15	<5	27	630	<20
M982144		20	1.65	10	2.85	1410	1	3.87	8	1920	12	0.04	<5	15	952	<20
M982145		<10	0.01	<10	1.85	35	<1	0.02	<1	50	2	0.10	<5	<1	4780	30
M982146		20	1.31	10	2.82	1465	<1	4.11	10	1130	15	0.02	<5	16	739	<20
M982146D		20	1.28	10	2.80	1450	<1	4.05	10	1130	14	0.02	<5	16	730	<20
M982147		20	0.97	10	2.22	1320	1	4.47	8	1090	9	0.05	<5	17	576	<20
M982147P		20	0.97	10	2.19	1320	<1	4.39	8	1060	7	0.05	<5	16	576	<20
M982148		20	1.05	10	2.45	1290	<1	4.26	9	1040	10	0.12	<5	16	582	<20
M982149		20	1.24	10	2.76	1380	<1	4.25	9	1100	10	0.09	<5	18	679	<20
M982150		20	2.33	10	2.59	1450	<1	3.88	9	1180	22	0.48	<5	18	685	<20

Comments: **Corrected Copy for ME- ICP61 on Samples M982128- M982132 & Au- AA23 on M982187P- M982193.**



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CERTIFICATE OF ANALYSIS TR12175831

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	Ag- OG62	Cu- OG62	Pb- OG62	ME- OG62
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Ag ppm	Cu %	Pb %	As %
		0.01	10	10	1	10	2	1	0.001	0.001	0.001
M982117		0.55	<10	<10	240	<10	129				
M982118		0.56	<10	<10	246	<10	107				
M982119		0.56	<10	<10	242	<10	110				
M982120		0.55	<10	<10	237	<10	107				
M982121		0.56	<10	<10	240	<10	106				
M982122		0.58	<10	<10	249	<10	113				
M982123		0.57	<10	<10	249	<10	112				
M982124		0.55	<10	<10	241	<10	99				
M982125		0.56	10	<10	239	<10	97				
M982126		0.55	<10	<10	239	<10	100				
M982126D		0.57	<10	<10	247	<10	104				
M982127		0.56	<10	<10	243	<10	153				
M982127P		0.55	<10	<10	237	<10	168				
M982128		1.15	<10	<10	260	<10	106				
M982129		1.12	<10	<10	250	<10	104				
M982130		0.22	10	<10	77	10	7500	103		0.957	0.006
M982131		1.05	<10	<10	246	<10	106				
M982132		0.54	<10	<10	236	10	99				
M982133		0.58	<10	<10	258	<10	113				
M982134		0.58	<10	<10	263	<10	112				
M982135		0.52	<10	<10	228	<10	97				
M982136		0.57	<10	<10	256	<10	117				
M982136D		0.56	<10	<10	252	<10	114				
M982137		0.60	<10	<10	268	<10	117				
M982137P		0.57	<10	<10	250	<10	109				
M982138		1.28	<10	<10	290	<10	119				
M982139		1.24	<10	<10	280	<10	113				
M982140		1.17	<10	<10	267	<10	111				
M982141		1.12	<10	<10	253	<10	106				
M982142		1.17	<10	<10	258	<10	120				
M982143		1.17	<10	<10	259	<10	115				
M982144		0.54	<10	<10	235	<10	106				
M982145		0.01	<10	<10	4	<10	<2				
M982146		0.51	<10	<10	215	<10	99				
M982146D		0.49	<10	<10	211	<10	96				
M982147		0.46	<10	<10	202	<10	95				
M982147P		0.46	<10	<10	199	<10	94				
M982148		0.47	<10	<10	202	<10	103				
M982149		0.49	<10	<10	213	<10	103				
M982150		0.50	<10	<10	219	<10	114				

Comments: **Corrected Copy for ME- ICP61 on Samples M982128- M982132 & Au- AA23 on M982187P- M982193.**



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CERTIFICATE OF ANALYSIS TR12175831

Sample Description	Method Analyte Units LOR	WEI- 21	Au- AA23	Au- GRA21	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.05	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01
M982151		9.83	<0.005		<0.5	9.17	<5	600	0.8	<2	4.70	<0.5	22	15	61	6.56
M982152		10.52	0.007		0.5	8.55	<5	1230	1.2	<2	5.13	<0.5	17	4	157	5.52
M982153		9.87	<0.005		<0.5	8.39	<5	950	1.5	<2	5.99	<0.5	14	3	112	5.07
M982154		10.07	<0.005		<0.5	6.44	<5	1410	1.1	<2	2.24	<0.5	<1	5	4	1.22
M982155		10.03	<0.005		<0.5	6.92	<5	1490	1.0	<2	1.21	<0.5	<1	8	3	1.10
M982156		10.38	<0.005		<0.5	7.08	<5	1760	1.1	<2	1.43	<0.5	1	8	7	1.14
M982156D		<0.02	<0.005		<0.5	6.82	<5	1730	1.1	<2	1.41	<0.5	1	7	7	1.13
M982157		8.25	<0.005		<0.5	9.27	<5	970	1.6	<2	4.14	<0.5	16	7	140	5.52
M982157P		<0.02	<0.005		<0.5	8.95	<5	920	1.6	<2	3.90	<0.5	16	6	128	5.24
M982158		12.06	<0.005		<0.5	9.13	<5	880	1.5	<2	3.74	<0.5	17	4	139	5.93
M982159		12.04	<0.005		0.5	9.14	<5	970	1.5	<2	4.62	<0.5	17	4	177	5.95
M982160		0.10	7.83	7.81	13.9	6.68	55	270	0.7	<2	4.43	4.5	37	43	>10000	8.69
M982161		11.94	0.006		<0.5	8.62	<5	1150	1.4	<2	5.01	<0.5	17	4	233	5.80
M982162		9.37	<0.005		<0.5	8.67	6	1090	1.4	<2	5.06	<0.5	18	4	180	5.85
M982163		8.30	<0.005		<0.5	8.32	9	1310	1.3	<2	4.82	<0.5	19	4	143	5.75
M982164		8.09	<0.005		<0.5	8.60	8	1210	1.5	<2	3.30	<0.5	18	4	160	6.11
M982165		5.11	<0.005		<0.5	6.58	<5	1000	0.9	<2	2.99	<0.5	3	6	23	2.00
M982166		7.58	<0.005		<0.5	8.41	<5	1090	1.2	<2	3.49	<0.5	18	8	128	6.29
M982166D		<0.02	<0.005		<0.5	8.73	<5	1110	1.3	<2	3.56	<0.5	19	8	135	6.41
M982167		9.66	<0.005		<0.5	8.68	5	1160	1.2	<2	3.33	<0.5	16	4	145	5.55
M982167P		<0.02	<0.005		<0.5	8.97	<5	1220	1.3	<2	3.41	<0.5	17	5	147	5.81
M982168		9.38	<0.005		<0.5	8.89	5	1230	1.3	<2	3.92	<0.5	16	4	155	5.60
M982169		7.79	<0.005		<0.5	8.66	<5	1290	1.3	<2	3.90	<0.5	15	5	138	5.28
M982170		5.03	<0.005		<0.5	6.54	<5	1060	0.8	<2	2.23	<0.5	3	6	33	1.76
M982171		8.24	<0.005		<0.5	8.77	<5	1180	1.2	<2	3.73	<0.5	18	4	219	5.88
M982172		8.45	<0.005		<0.5	8.64	<5	1190	1.5	<2	3.32	<0.5	18	4	158	5.50
M982173		6.56	<0.005		<0.5	8.85	<5	1350	1.4	3	3.04	<0.5	18	5	164	5.74
M982174		6.97	<0.005		<0.5	8.35	5	1420	1.3	2	3.10	<0.5	17	4	165	5.19
M982175		0.12	1.355		4.8	5.41	21	550	0.7	<2	1.68	<0.5	13	54	>10000	3.92
M982176		4.74	<0.005		<0.5	6.22	9	640	1.0	<2	3.87	<0.5	3	11	33	1.59
M982176D		<0.02	<0.005		<0.5	6.34	<5	650	1.0	<2	3.88	<0.5	3	10	30	1.61
M982177		8.11	<0.005		<0.5	8.93	11	1200	1.5	<2	3.79	<0.5	16	4	141	5.28
M982177P		<0.02	<0.005		<0.5	9.01	10	1240	1.4	3	3.88	<0.5	15	4	142	5.39
M982178		12.06	<0.005		<0.5	9.07	<5	1270	1.5	<2	3.57	<0.5	14	4	148	5.11
M982179		11.61	0.006		<0.5	8.70	<5	1190	1.5	<2	4.14	<0.5	20	5	156	5.90
M982180		9.82	<0.005		<0.5	8.49	5	1360	1.4	<2	4.21	<0.5	19	5	163	6.01
M982181		12.38	<0.005		<0.5	8.56	<5	1280	1.3	2	3.52	<0.5	19	5	162	5.88
M982182		10.54	<0.005		<0.5	8.69	<5	1140	1.4	<2	3.85	<0.5	17	5	161	5.67
M982183		12.68	<0.005		<0.5	8.58	11	1230	1.3	<2	4.57	<0.5	17	9	122	5.27
M982184		8.94	0.005		0.6	3.70	19	680	0.8	<2	10.50	5.2	7	62	59	2.36

Comments: **Corrected Copy for ME- ICP61 on Samples M982128- M982132 & Au- AA23 on M982187P- M982193.**



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Sample Description	Method	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	
	Analyte	Ga	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
Units		ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
LOR		10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20
M982151		20	2.15	10	2.57	1405	<1	3.97	11	1140	23	0.48	<5	18	674	<20
M982152		20	2.89	10	2.08	1355	1	3.29	5	2040	18	0.07	<5	14	916	<20
M982153		20	3.09	10	1.72	1530	2	2.70	4	1670	12	0.07	<5	13	744	<20
M982154		10	3.03	20	0.23	411	<1	2.59	<1	130	20	0.15	<5	1	213	<20
M982155		10	3.07	30	0.23	315	<1	2.66	<1	120	20	0.09	<5	1	207	<20
M982156		10	3.28	30	0.24	381	1	2.63	<1	130	16	0.11	<5	1	217	<20
M982156D		10	3.24	20	0.23	377	1	2.59	<1	120	16	0.11	<5	1	212	<20
M982157		20	3.21	10	1.68	1310	1	3.42	4	1850	10	0.34	<5	13	470	<20
M982157P		20	3.03	10	1.60	1240	1	3.21	4	1750	10	0.33	<5	13	451	<20
M982158		20	3.03	10	1.94	1350	1	3.12	3	2150	11	0.34	<5	15	424	<20
M982159		20	3.45	10	1.85	1335	1	2.75	3	2220	9	0.34	<5	15	476	<20
M982160		20	1.50	10	1.54	747	457	1.78	47	1090	88	5.95	57	15	299	<20
M982161		20	4.10	10	1.91	1580	2	1.72	5	2060	15	0.29	<5	14	472	<20
M982162		20	3.94	10	1.86	1290	1	1.98	5	2090	10	0.28	<5	14	470	<20
M982163		20	3.42	10	2.28	1365	1	2.17	5	1910	7	0.26	<5	14	403	<20
M982164		20	3.57	10	2.46	1260	1	2.46	6	2110	10	0.27	<5	14	360	<20
M982165		10	2.31	20	0.61	817	1	3.01	1	320	11	0.11	<5	3	281	<20
M982166		20	3.43	10	2.47	1515	1	2.94	7	1870	8	0.12	<5	13	386	<20
M982166D		20	3.51	10	2.54	1540	1	2.98	7	1910	8	0.12	<5	14	392	<20
M982167		20	3.02	10	2.03	1155	<1	3.35	4	2010	12	0.29	<5	13	455	<20
M982167P		20	3.14	10	2.12	1205	<1	3.54	4	2090	13	0.30	<5	13	479	<20
M982168		20	3.06	10	1.95	1290	1	3.52	4	2090	9	0.22	<5	13	499	<20
M982169		20	3.42	10	1.64	1335	<1	3.19	4	1920	10	0.39	<5	13	478	<20
M982170		10	2.13	20	0.44	645	3	3.39	<1	360	9	0.27	<5	3	256	<20
M982171		20	3.37	10	1.92	1605	1	3.17	5	2110	12	0.43	<5	14	491	<20
M982172		20	3.12	10	1.85	1500	<1	2.98	5	2140	9	0.41	6	13	441	<20
M982173		20	3.65	10	1.99	1650	<1	2.58	7	2180	13	0.44	5	14	396	<20
M982174		20	3.72	10	1.75	1545	<1	2.41	8	2070	7	0.39	<5	12	375	<20
M982175		10	0.92	10	0.87	618	511	1.91	37	570	10	0.94	<5	11	242	<20
M982176		10	1.79	10	0.49	895	1	2.87	1	370	7	0.14	<5	2	312	<20
M982176D		10	1.81	10	0.50	897	<1	2.86	1	360	6	0.13	8	2	313	<20
M982177		20	3.17	10	1.63	1315	1	2.53	5	2080	14	0.47	<5	13	424	<20
M982177P		20	3.16	10	1.68	1345	1	2.54	9	2110	14	0.47	5	13	430	<20
M982178		20	3.10	10	1.83	1200	<1	2.86	3	2120	12	0.19	<5	13	424	<20
M982179		20	2.66	10	2.20	1355	<1	2.83	7	2190	16	0.13	7	15	494	<20
M982180		20	2.47	10	2.19	1445	<1	2.95	8	2140	15	0.15	5	17	542	<20
M982181		20	2.12	10	2.17	1345	<1	3.30	7	2150	14	0.22	<5	15	528	<20
M982182		20	2.04	10	2.23	1370	1	3.46	7	2120	17	0.34	7	14	520	<20
M982183		20	2.64	10	1.95	1305	1	2.27	7	1760	17	0.33	<5	14	383	<20
M982184		10	1.71	10	0.56	834	54	0.11	101	550	32	1.29	6	7	414	<20

Comments: **Corrected Copy for ME- ICP61 on Samples M982128- M982132 & Au- AA23 on M982187P- M982193.**



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CERTIFICATE OF ANALYSIS TR12175831

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	Ag- OG62	Cu- OG62	Pb- OG62	ME- OG62
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Ag ppm	Cu %	Pb %	As %
		0.01	10	10	1	10	2	1	0.001	0.001	0.001
M982151		0.50	<10	<10	218	<10	110				
M982152		0.48	<10	<10	187	<10	104				
M982153		0.41	<10	<10	172	<10	105				
M982154		0.09	<10	<10	11	<10	19				
M982155		0.09	10	<10	9	<10	29				
M982156		0.09	<10	<10	12	<10	27				
M982156D		0.09	<10	<10	11	<10	27				
M982157		0.47	<10	<10	179	<10	122				
M982157P		0.45	<10	<10	171	<10	114				
M982158		0.50	<10	<10	197	<10	125				
M982159		0.51	<10	<10	208	<10	105				
M982160		0.34	<10	<10	154	<10	159		3.28		0.007
M982161		0.50	10	<10	199	<10	129				
M982162		0.50	<10	<10	208	<10	102				
M982163		0.48	<10	<10	200	<10	97				
M982164		0.53	<10	<10	217	<10	114				
M982165		0.13	<10	<10	42	<10	39				
M982166		0.50	<10	<10	205	<10	122				
M982166D		0.51	<10	<10	209	<10	126				
M982167		0.48	<10	<10	185	<10	108				
M982167P		0.50	<10	<10	193	<10	113				
M982168		0.49	<10	<10	194	<10	107				
M982169		0.46	<10	<10	182	<10	109				
M982170		0.12	<10	<10	33	<10	37				
M982171		0.50	<10	<10	197	<10	149				
M982172		0.51	<10	<10	202	<10	118				
M982173		0.52	10	<10	208	<10	156				
M982174		0.49	<10	<10	191	<10	137				
M982175		0.27	<10	<10	90	40	79		1.285		0.002
M982176		0.12	<10	10	42	10	34				
M982176D		0.13	<10	10	43	<10	35				
M982177		0.48	<10	<10	185	<10	113				
M982177P		0.48	10	<10	187	<10	115				
M982178		0.48	<10	<10	181	<10	91				
M982179		0.53	<10	<10	222	<10	106				
M982180		0.55	<10	<10	235	<10	108				
M982181		0.53	<10	10	221	<10	101				
M982182		0.52	10	10	215	10	110				
M982183		0.49	<10	<10	198	<10	106				
M982184		0.15	<10	<10	735	<10	386				

Comments: **Corrected Copy for ME- ICP61 on Samples M982128- M982132 & Au- AA23 on M982187P- M982193.**



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Sample Description	Method	WEI- 21	Au- AA23	Au- GRA21	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units		kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR		0.02	0.005	0.05	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01
M982185		5.64	<0.005		<0.5	5.01	8	930	0.9	<2	15.4	1.2	6	50	41	2.18
M982186		7.59	<0.005		<0.5	4.27	6	820	0.6	<2	15.6	0.7	9	38	55	2.68
M982186D		<0.02	<0.005		<0.5	4.19	5	810	0.6	<2	15.4	0.7	8	38	53	2.64
M982187		7.43	<0.005		<0.5	7.18	6	1180	0.8	<2	4.32	<0.5	4	5	24	2.57
M982187P		<0.02	<0.005		<0.5	7.08	10	1170	0.8	<2	4.74	<0.5	4	4	26	2.52
M982188		11.42	<0.005		<0.5	7.49	<5	1590	1.0	<2	3.12	<0.5	5	13	11	3.16
M982189		10.92	<0.005		<0.5	7.73	<5	1400	1.1	2	3.19	<0.5	6	5	9	3.37
M982190		0.12	0.694		>100	7.53	52	1450	1.3	<2	2.39	55.9	13	24	4650	3.95
M982191		11.88	<0.005		<0.5	7.57	<5	1420	1.0	<2	3.23	<0.5	6	5	12	3.34
M982192		11.61	<0.005		<0.5	7.12	9	1380	0.9	<2	3.93	1.4	3	4	10	2.64
M982193		10.92	<0.005		<0.5	7.72	<5	1710	1.1	<2	3.21	<0.5	6	5	23	3.29
M982194		12.04	<0.005		<0.5	7.61	6	1610	1.0	<2	4.26	<0.5	6	4	13	3.34
M982195		10.34	<0.005		<0.5	7.39	5	1500	0.9	<2	4.64	<0.5	6	4	22	3.12
M982196		10.67	<0.005		<0.5	7.47	<5	1510	1.0	<2	2.85	<0.5	6	5	9	3.26
M982196D		<0.02	<0.005		<0.5	7.86	<5	1560	1.1	<2	2.96	<0.5	7	5	10	3.38
M982197		8.98	<0.005		<0.5	7.69	8	1410	1.0	2	3.18	<0.5	6	5	12	3.41
M982197P		<0.02	<0.005		<0.5	7.51	<5	1400	1.0	<2	3.14	<0.5	6	5	11	3.37
M982198		8.92	<0.005		<0.5	7.56	<5	1450	1.0	<2	2.80	<0.5	8	5	13	3.30
M982199		8.10	<0.005		<0.5	7.34	<5	1260	0.8	<2	4.62	<0.5	6	11	14	3.01
M982200		0.14	7.87	7.84	13.1	6.35	55	290	0.7	11	4.09	4.1	35	44	>10000	7.98
M982201		9.67	<0.005		<0.5	6.99	31	1430	1.0	<2	3.77	<0.5	16	81	69	4.75
M982202		10.13	<0.005		<0.5	7.45	36	1600	1.0	<2	6.79	1.6	15	65	88	4.59
M982203		10.18	<0.005		<0.5	7.78	12	1500	0.9	<2	5.25	0.7	15	62	78	4.84
M982204		9.32	<0.005		0.5	6.15	<5	1080	0.9	<2	12.50	<0.5	13	77	70	3.61
M982101		12.09	<0.005		<0.5	9.02	<5	1160	1.4	<2	3.61	<0.5	16	1	155	5.38
M982102		12.39	<0.005		<0.5	8.57	5	1120	1.3	<2	3.56	<0.5	14	<1	148	4.67
M982102D		<0.02	<0.005		<0.5	8.53	<5	1100	1.3	<2	3.49	<0.5	14	<1	147	4.60
M982103		8.40	<0.005		<0.5	8.78	<5	1040	1.4	<2	3.49	<0.5	15	<1	163	4.75
M982103P		<0.02	<0.005		<0.5	8.61	<5	1010	1.4	<2	3.39	<0.5	14	<1	152	4.62
M982104		8.68	<0.005		<0.5	8.39	<5	840	1.2	<2	3.57	<0.5	14	<1	175	4.65
M982105		7.91	<0.005		<0.5	8.76	<5	990	1.4	<2	3.60	<0.5	16	<1	170	5.22
M982251		10.76	0.016		1.0	7.70	68	820	0.9	<2	4.21	10.3	13	31	82	4.27
M982252		7.04	<0.005		0.9	7.84	25	850	1.0	<2	3.56	12.3	12	27	74	4.22
M982253		6.66	0.007		2.2	7.33	347	860	0.9	<2	7.19	73.6	11	21	133	5.13
M982254		8.45	<0.005		1.4	7.59	20	830	1.1	<2	5.49	12.2	11	36	69	3.98
M982255		10.33	<0.005		0.5	7.59	33	870	1.2	<2	4.50	14.7	10	22	56	3.53
M982256		6.34	<0.005		1.2	7.41	20	880	1.2	<2	5.70	21.5	10	27	60	4.02
M982257		6.47	0.006		3.3	6.84	113	870	1.2	<2	5.64	108.5	12	20	139	4.62
M982257D		<0.02	0.006		3.5	6.74	115	850	1.1	<2	5.54	105.5	12	20	143	4.55
M982258		9.07	0.055		3.0	7.67	637	970	1.2	<2	4.55	47.0	9	19	84	4.31

Comments: **Corrected Copy for ME- ICP61 on Samples M982128- M982132 & Au- AA23 on M982187P- M982193.**



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CERTIFICATE OF ANALYSIS TR12175831

Sample Description	Method	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	
	Analyte	Ga	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
Units		ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
LOR		10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20
M982185		10	1.94	10	1.03	1285	4	0.72	27	740	23	0.65	<5	7	353	<20
M982186		10	1.51	<10	2.43	1100	1	0.69	27	920	10	0.72	6	7	339	<20
M982186D		10	1.48	<10	2.39	1080	1	0.68	27	900	10	0.71	<5	7	336	<20
M982187		10	1.47	10	0.69	888	3	3.34	1	690	9	0.52	5	6	291	<20
M982187P		10	1.45	10	0.68	941	3	3.30	1	660	10	0.52	7	6	306	<20
M982188		20	2.30	10	0.85	995	3	2.55	2	920	11	0.54	<5	7	234	<20
M982189		10	2.29	10	0.98	1145	2	2.73	1	970	9	0.48	<5	8	248	<20
M982190		20	2.23	10	0.68	599	37	2.53	11	840	9410	1.66	161	7	679	<20
M982191		10	2.16	10	0.91	1050	5	2.72	<1	930	15	0.58	5	8	260	<20
M982192		10	1.82	10	0.66	915	8	3.05	<1	670	24	0.48	<5	5	273	<20
M982193		10	2.37	10	0.98	879	3	2.71	<1	990	9	0.67	7	8	238	<20
M982194		20	2.59	10	0.97	1315	4	2.19	1	970	14	0.48	6	8	245	<20
M982195		10	2.38	10	0.97	1245	2	2.21	1	960	13	0.45	6	8	281	<20
M982196		10	2.08	10	1.09	892	2	2.72	2	950	8	0.43	6	8	256	<20
M982196D		20	2.16	10	1.14	925	2	2.80	<1	1000	10	0.44	<5	8	266	<20
M982197		10	1.90	10	1.10	963	2	3.16	<1	990	11	0.35	<5	8	307	<20
M982197P		10	1.90	10	1.08	955	2	3.13	1	980	9	0.35	<5	8	303	<20
M982198		10	1.78	10	1.01	857	2	3.29	1	990	8	0.40	<5	8	286	<20
M982199		10	1.63	10	0.86	1060	2	2.95	4	1020	6	0.46	<5	8	323	<20
M982200		10	1.39	<10	1.42	732	421	1.66	46	1030	76	5.70	57	15	289	<20
M982201		10	2.40	<10	2.33	983	4	1.14	39	1230	34	0.41	5	16	242	<20
M982202		10	2.55	10	2.45	1295	11	1.18	40	1280	35	0.36	<5	15	345	<20
M982203		20	2.40	10	2.54	1080	5	1.39	35	1330	32	0.41	<5	15	302	<20
M982204		10	2.02	10	1.97	897	21	0.80	48	1150	15	0.57	<5	12	402	<20
M982101		20	3.59	10	1.87	1215	<1	2.81	5	2100	45	0.09	<5	13	495	<20
M982102		20	3.11	10	1.66	1110	<1	3.57	1	2040	3	0.12	<5	10	643	<20
M982102D		20	3.12	10	1.64	1090	<1	3.49	2	1980	5	0.12	<5	10	643	<20
M982103		20	3.28	10	1.70	1115	<1	3.35	1	2070	4	0.21	<5	11	657	<20
M982103P		20	3.18	10	1.66	1085	<1	3.27	2	2020	4	0.20	<5	11	644	<20
M982104		20	2.49	10	1.77	1100	<1	3.81	2	2070	4	0.03	<5	11	727	<20
M982105		20	2.68	10	1.81	1120	<1	3.42	4	2130	3	0.02	<5	12	941	<20
M982251		20	2.81	10	1.36	1700	<1	1.02	25	1140	27	0.69	<5	12	219	<20
M982252		20	3.00	10	1.34	1765	<1	0.91	23	1110	22	0.65	<5	12	193	<20
M982253		20	2.95	10	1.19	2450	<1	0.46	16	1040	52	1.51	<5	11	276	<20
M982254		20	3.10	10	1.15	1950	<1	0.61	23	1100	33	0.80	<5	11	246	<20
M982255		20	3.25	10	1.07	1655	<1	0.52	17	1050	23	0.51	<5	9	196	<20
M982256		20	3.36	10	0.94	1780	<1	0.27	19	1090	31	1.13	<5	10	254	<20
M982257		20	3.28	10	0.87	1855	<1	0.08	16	1020	59	2.04	<5	9	233	<20
M982257D		20	3.27	10	0.85	1825	<1	0.08	17	1010	60	2.02	6	9	229	<20
M982258		20	3.65	10	0.95	1890	<1	0.17	11	1060	36	1.32	7	10	194	<20

Comments: **Corrected Copy for ME- ICP61 on Samples M982128- M982132 & Au- AA23 on M982187P- M982193.**



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CERTIFICATE OF ANALYSIS TR12175831

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	Ag- OG62	Cu- OG62	Pb- OG62	ME- OG62
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Ag ppm	Cu %	Pb %	As %
		0.01	10	10	1	10	2	1	0.001	0.001	0.001
M982185		0.18	10	10	97	10	137				
M982186		0.19	<10	<10	93	<10	91				
M982186D		0.19	<10	10	91	<10	87				
M982187		0.20	<10	10	65	<10	51				
M982187P		0.20	<10	10	64	<10	43				
M982188		0.26	<10	<10	87	<10	71				
M982189		0.28	<10	10	102	<10	66				
M982190		0.24	10	<10	81	20	7370	101			0.005
M982191		0.27	<10	<10	97	<10	92				
M982192		0.21	<10	10	64	<10	137				
M982193		0.28	<10	10	97	<10	70				
M982194		0.28	<10	<10	102	<10	68				
M982195		0.27	<10	<10	101	<10	69				
M982196		0.28	<10	10	100	<10	72				
M982196D		0.29	<10	10	102	10	75				
M982197		0.29	<10	10	104	<10	70				
M982197P		0.29	<10	10	105	<10	72				
M982198		0.28	<10	10	105	<10	66				
M982199		0.26	<10	<10	97	<10	38				
M982200		0.35	<10	<10	152	10	146		3.35		0.006
M982201		0.40	<10	<10	200	<10	165				
M982202		0.42	<10	<10	192	<10	190				
M982203		0.44	<10	<10	199	<10	175				
M982204		0.33	<10	<10	222	<10	134				
M982101		0.48	<10	<10	193	<10	261				
M982102		0.44	<10	<10	162	<10	83				
M982102D		0.44	<10	<10	161	<10	83				
M982103		0.45	<10	<10	165	<10	96				
M982103P		0.44	<10	<10	161	<10	93				
M982104		0.46	<10	<10	165	<10	83				
M982105		0.49	<10	<10	190	<10	88				
M982251		0.34	<10	<10	134	<10	729				
M982252		0.33	<10	<10	129	<10	842				
M982253		0.31	<10	<10	119	10	4590				
M982254		0.32	<10	<10	122	<10	859				
M982255		0.28	<10	<10	100	<10	999				
M982256		0.30	<10	<10	108	<10	1625				
M982257		0.27	<10	<10	94	<10	7590				
M982257D		0.26	<10	<10	92	<10	7430				
M982258		0.28	<10	<10	98	<10	3230				

Comments: **Corrected Copy for ME- ICP61 on Samples M982128- M982132 & Au- AA23 on M982187P- M982193.**



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CERTIFICATE OF ANALYSIS TR12175831

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA23 Au ppm	Au- GRA21 Au ppm	ME- ICP61 Ag ppm	ME- ICP61 Al %	ME- ICP61 As ppm	ME- ICP61 Ba ppm	ME- ICP61 Be ppm	ME- ICP61 Bi ppm	ME- ICP61 Ca %	ME- ICP61 Cd ppm	ME- ICP61 Co ppm	ME- ICP61 Cr ppm	ME- ICP61 Cu ppm	ME- ICP61 Fe %
		0.02	0.005	0.05	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01
M982258P		<0.02	0.072		3.1	7.46	639	940	1.2	<2	4.45	44.0	9	18	81	4.20
M982259		7.44	0.005		0.8	7.56	49	950	1.2	<2	4.19	16.8	9	17	79	3.46
M982260		0.13	7.77	7.61	13.5	6.57	49	660	0.7	5	4.06	4.1	35	36	>10000	7.81
M982261		11.48	0.024		<0.5	7.25	573	950	1.1	<2	4.13	10.0	10	19	89	3.21
M982262		12.09	<0.005		<0.5	8.19	63	850	1.0	<2	4.19	10.4	12	17	91	4.29
M982263		9.61	<0.005		1.1	8.32	56	870	0.9	<2	4.63	5.4	14	17	118	4.77
M982264		10.35	0.013		1.0	8.35	19	940	1.0	<2	3.87	12.9	13	12	83	4.80
M982265		6.52	0.017		6.6	7.49	437	940	1.1	2	4.42	5.9	10	12	164	7.29
M982266		5.97	0.017		3.3	7.85	130	1030	1.1	<2	3.94	20.8	11	12	129	5.72
M982267		6.16	0.007		1.3	8.36	53	930	1.0	<2	5.32	11.5	14	11	95	4.81
M982267D		<0.02	0.012		1.2	8.39	58	920	1.0	<2	5.25	11.7	15	11	95	4.77
M982268		8.25	<0.005		1.9	8.33	6	880	0.9	<2	5.05	11.6	13	12	92	4.96
M982268P		<0.02	0.005		1.8	8.29	6	870	0.9	<2	5.02	12.1	14	12	91	4.92
M982269		5.97	<0.005		1.5	7.84	24	880	0.8	<2	7.77	5.6	13	17	52	4.48

Comments: **Corrected Copy for ME- ICP61 on Samples M982128- M982132 & Au- AA23 on M982187P- M982193.**



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CERTIFICATE OF ANALYSIS TR12175831

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	
		Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
		10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20
M982258P		20	3.57	10	0.92	1840	<1	0.17	13	1020	38	1.33	9	9	189	<20
M982259		20	3.59	10	0.96	1725	<1	0.23	13	1070	30	0.68	5	9	191	<20
M982260		10	1.46	10	1.41	730	432	1.65	46	1040	73	5.70	51	15	298	<20
M982261		20	3.66	10	0.95	1900	1	0.48	14	1030	14	0.50	5	9	203	<20
M982262		20	3.09	10	1.33	2240	<1	1.47	12	1300	49	0.58	<5	11	243	<20
M982263		20	3.24	10	1.49	2870	<1	1.08	13	1540	66	0.71	<5	13	245	<20
M982264		20	3.64	10	1.33	2260	<1	0.57	8	1460	11	0.94	7	11	210	<20
M982265		20	3.83	10	1.11	3000	1	0.07	9	1270	146	3.11	<5	11	200	<20
M982266		20	3.94	10	0.93	2400	1	0.08	9	1410	41	2.10	6	12	195	<20
M982267		20	3.69	10	1.31	2540	<1	0.49	9	1440	36	0.93	6	13	268	<20
M982267D		20	3.66	10	1.31	2520	<1	0.48	10	1440	37	0.94	<5	13	266	<20
M982268		20	3.25	10	1.42	2530	1	0.96	6	1460	99	1.25	<5	12	277	<20
M982268P		20	3.22	10	1.41	2500	1	0.94	6	1420	89	1.17	7	12	276	<20
M982269		20	3.13	10	1.23	2930	<1	0.91	7	1410	43	1.23	<5	12	379	<20

Comments: **Corrected Copy for ME- ICP61 on Samples M982128- M982132 & Au- AA23 on M982187P- M982193.**



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CERTIFICATE OF ANALYSIS TR12175831

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	Ag- OG62	Cu- OG62	Pb- OG62	ME- OG62
		Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ag ppm	Cu %	Pb %	As %
		0.01	10	10	1	10	2	1	0.001	0.001	0.001
M982258P		0.27	<10	<10	95	<10	3050				
M982259		0.28	<10	<10	100	<10	1245				
M982260		0.34	<10	<10	146	10	159		3.26		0.003
M982261		0.28	<10	<10	100	<10	774				
M982262		0.36	<10	<10	130	<10	875				
M982263		0.40	<10	<10	157	<10	595				
M982264		0.38	<10	<10	147	<10	1170				
M982265		0.35	<10	<10	137	10	652				
M982266		0.38	<10	<10	153	<10	1665				
M982267		0.39	<10	<10	159	10	1135				
M982267D		0.39	<10	<10	157	<10	1140				
M982268		0.38	<10	<10	154	10	1235				
M982268P		0.38	<10	<10	153	<10	1275				
M982269		0.36	<10	<10	144	<10	494				

Comments: **Corrected Copy for ME- ICP61 on Samples M982128- M982132 & Au- AA23 on M982187P- M982193.**



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CERTIFICATE TR12181528

Project: Bronson Creek
 P.O. No.: 54- 011401
 This report is for 97 Drill Core samples submitted to our lab in Terrace, BC, Canada on 3- AUG- 2012.
 The following have access to data associated with this certificate:

JENNIFER BURGESS JIM SPARLING	WILLIAM HAY JOHN ZBEETNOFF	SUSAN HENDERSON
----------------------------------	-------------------------------	-----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22d	Sample login - Rcd w/o BarCode dup
PUL- 32d	Pulverize Split - Dup 85% < 75um
BAG- 01	Bulk Master for Storage
SPL- 21d	Split sample - duplicate
SPL- 34	Pulp Splitting Charge
SPLIT- Z	Pulp split for send out
LOG- 23	Pulp Login - Rcvd with Barcode
LOG- 21	Sample logging - ClientBarCode
CRU- 31	Fine crushing - 70% < 2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 32	Pulverize 1000g to 85% < 75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Cu- OG62	Ore Grade Cu - Four Acid	VARIABLE
Au- AA23	Au 30g FA- AA finish	AAS
Au- GRA21	Au 30g FA- GRAV finish	WST- SIM
ME- ICP61	33 element four acid ICP- AES	ICP- AES

To: **SNIPGOLD CORP.**
ATTN: WILLIAM HAY
611 - 675 WEST HASTINGS ST.
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Comments: ****Corrected Copy for ME- ICP61 on Samples M982328 - M982332.****

Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS TR12181528

Sample Description	Method Analyte Units LOR	WEI- 21	Au- AA23	Au- GRA21	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61
		Recvd Wt. kg	Au g/t	Au g/t	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.05	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01
M982322		7.90	0.028		0.8	8.45	1540	1190	1.1	<2	5.45	<0.5	17	6	111	6.32
M982323		9.39	0.165		0.8	8.28	927	880	1.0	<2	4.50	<0.5	15	6	122	6.39
M982324		8.21	0.038		3.0	6.73	43	1050	1.0	<2	11.10	4.1	18	4	230	7.34
M982325		12.12	0.011		0.7	8.28	41	1300	1.0	<2	5.36	<0.5	16	7	121	6.17
M982326		12.16	0.009		1.1	8.43	310	1110	1.2	<2	4.58	<0.5	19	6	168	6.20
M982327		12.67	0.005		2.3	8.74	16	1550	1.1	<2	3.95	<0.5	21	6	208	6.99
M982328		11.34	0.085		37.9	8.28	42	1460	1.0	82	3.19	1.3	17	7	139	6.95
M982329		12.11	0.010		1.1	8.24	65	1080	1.2	<2	4.81	1.5	16	4	123	5.84
M982330		0.14	0.582		98.7	7.38	51	1460	1.2	<2	2.36	52.5	12	23	4500	3.80
M982331		12.15	0.017		1.7	8.28	34	960	1.1	<2	4.54	0.6	21	4	216	6.17
M982331D			0.015		1.8	8.27	32	950	1.1	<2	4.58	0.6	19	4	222	6.10
M982332		12.08	0.011		1.0	8.21	20	840	1.1	<2	5.16	<0.5	17	4	195	6.02
M982332P			0.008		1.5	8.76	19	830	1.2	<2	5.29	0.6	16	4	184	6.25
M982333		12.31	0.013		2.1	9.49	19	1140	1.4	<2	4.54	2.9	24	5	277	6.73
M982334		11.84	0.008		1.4	9.16	20	1160	0.8	<2	2.95	0.5	24	5	198	7.72
M982335		11.82	0.025		3.5	8.63	18	1570	0.6	4	2.90	2.9	18	5	162	7.72
M982336		8.57	0.009		2.3	8.60	14	1310	0.6	<2	2.42	3.4	21	4	187	8.66
M982337		6.21	0.009		1.5	8.36	17	1240	1.1	<2	4.64	4.2	29	6	160	6.80
M982338		11.88	0.026		1.4	8.58	21	810	1.1	<2	4.63	6.2	17	4	136	6.61
M982339		12.17	0.017		1.1	8.57	24	1120	1.1	<2	5.76	0.5	18	4	135	7.05
M982340		11.32	0.051		1.5	8.72	107	1920	0.9	<2	5.06	<0.5	18	4	132	5.99
M982341		12.06	0.023		1.3	8.87	62	1810	0.8	<2	4.34	<0.5	20	4	149	6.90
M982341D			0.022		1.4	8.72	56	1870	0.8	<2	4.25	<0.5	19	4	144	6.80
M982342		11.47	0.018		1.2	8.68	34	1850	0.9	<2	4.73	<0.5	19	4	157	6.52
M982342P			0.019		1.3	8.73	41	1850	0.9	<2	4.84	<0.5	19	4	162	6.49
M982343		13.95	0.073		2.8	8.25	52	1220	0.9	<2	4.28	<0.5	22	4	227	7.06
M982344		11.37	0.143		2.9	7.90	51	1100	1.0	<2	4.81	6.2	22	6	196	6.78
M982345		0.67	<0.005		<0.5	0.05	<5	10	<0.5	<2	33.9	<0.5	<1	1	<1	0.05
M982346		7.50	0.026		1.6	8.05	54	890	0.9	<2	5.15	<0.5	21	17	133	7.09
M982347		11.81	0.022		1.4	8.57	42	940	1.1	<2	4.23	1.1	24	13	92	7.22
M982348		12.12	0.006		1.4	8.21	20	690	1.3	<2	5.09	0.9	16	4	107	6.19
M982349		11.41	0.012		2.1	8.14	27	570	1.3	<2	4.29	5.0	22	4	136	6.34
M982350		11.39	0.024		2.9	8.66	61	570	1.2	<2	4.42	4.2	29	4	209	6.75
M982351		13.51	0.014		2.3	8.76	58	550	1.2	<2	4.60	2.7	19	4	159	6.84
M982351D			0.016		1.9	8.48	58	530	1.2	<2	4.49	2.7	20	3	151	6.59
M982352		11.04	0.016		1.8	8.54	27	560	1.3	<2	4.75	4.9	22	4	121	6.59
M982352P			0.017		1.9	8.87	31	580	1.2	<2	4.83	7.3	25	4	144	6.75
M982353		11.32	0.030		3.7	8.18	26	610	1.2	<2	4.70	11.8	27	4	294	6.34
M982354		11.33	0.018		2.6	8.52	26	570	1.1	<2	4.27	13.6	44	6	239	6.97
M982355		11.75	0.056		2.0	9.13	12	660	1.1	<2	4.05	13.1	24	4	180	6.80

Comments: **Corrected Copy for ME- ICP61 on Samples M982328 - M982332.**



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Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	
		Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
		10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20
M982322		10	3.78	10	1.43	2480	<1	1.97	8	2010	16	0.55	5	18	461	<20
M982323		10	3.01	10	1.32	2010	<1	2.52	8	2000	12	0.33	<5	17	384	<20
M982324		10	3.97	10	2.58	4620	1	0.64	6	1580	188	1.39	<5	14	748	<20
M982325		20	3.88	10	1.45	2740	<1	2.01	7	1940	48	0.68	<5	18	476	<20
M982326		20	3.72	10	1.48	2520	<1	2.12	8	1980	10	0.32	<5	18	371	<20
M982327		20	4.18	10	1.48	2590	<1	2.02	8	2150	14	0.66	<5	19	340	<20
M982328		20	3.78	10	1.33	2470	<1	2.00	8	2120	255	0.86	8	17	310	<20
M982329		20	3.16	10	1.44	2200	1	2.60	9	1970	4	0.18	<5	17	391	<20
M982330		20	2.20	10	0.66	578	33	2.47	11	780	9260	1.54	137	6	641	<20
M982331		20	2.94	10	1.44	2150	<1	2.62	6	1960	12	0.37	5	17	395	<20
M982331D		20	2.99	10	1.43	2160	<1	2.59	6	1940	5	0.35	<5	17	388	<20
M982332		20	2.89	10	1.61	1895	<1	2.53	8	1870	<2	0.27	5	17	378	<20
M982332P		20	3.00	10	1.71	1935	<1	2.66	8	1950	10	0.31	<5	19	395	<20
M982333		20	3.93	10	1.72	2130	<1	2.36	9	2210	9	0.88	<5	21	365	<20
M982334		20	4.36	10	2.34	1870	<1	1.72	10	1780	12	0.71	<5	19	262	<20
M982335		20	4.73	10	2.02	2240	<1	1.19	7	1660	33	0.89	<5	18	229	<20
M982336		20	4.30	10	2.18	2170	<1	1.38	4	1660	31	0.94	<5	18	211	<20
M982337		10	3.63	10	1.50	1640	<1	2.05	11	2230	13	1.12	<5	18	359	<20
M982338		20	3.25	10	2.09	1665	<1	1.89	7	1890	10	0.72	<5	18	327	<20
M982339		10	3.89	10	1.78	2510	<1	2.00	5	1910	12	1.41	<5	18	369	<20
M982340		10	4.75	10	1.35	2710	<1	1.47	7	2160	13	1.90	<5	18	407	<20
M982341		20	4.74	10	1.97	2370	<1	1.65	7	2010	14	2.06	<5	18	340	<20
M982341D		20	4.47	10	1.92	2320	<1	1.61	5	1960	15	2.01	<5	18	333	<20
M982342		10	4.26	10	2.02	2450	<1	1.72	5	2000	11	1.43	<5	18	370	<20
M982342P		20	4.28	10	2.04	2490	<1	1.73	7	2010	15	1.48	<5	19	376	<20
M982343		10	3.50	10	1.88	1895	<1	2.25	6	1750	16	2.62	<5	20	394	<20
M982344		10	3.40	10	1.71	2030	<1	1.73	6	1720	13	2.50	<5	19	378	<20
M982345		<10	0.01	<10	1.88	32	<1	0.01	<1	40	2	0.05	<5	<1	4260	20
M982346		10	3.27	10	2.15	2390	<1	1.95	10	1630	13	1.90	<5	21	358	<20
M982347		10	3.58	10	2.18	2040	<1	2.01	8	1750	13	1.69	<5	21	320	<20
M982348		10	3.18	10	2.25	1845	<1	1.20	5	1740	11	0.20	<5	19	294	<20
M982349		20	2.72	<10	2.41	1730	<1	1.59	8	1630	9	0.10	<5	19	327	<20
M982350		20	2.74	10	2.53	1870	<1	1.77	6	1790	13	0.09	<5	20	357	<20
M982351		20	2.68	10	2.55	1910	<1	1.75	5	1790	12	0.08	<5	21	342	<20
M982351D		20	2.61	10	2.48	1860	<1	1.72	5	1760	10	0.08	<5	20	333	<20
M982352		10	2.70	10	2.50	2060	<1	1.67	5	1770	19	0.13	<5	21	348	<20
M982352P		20	2.81	10	2.60	2130	<1	1.66	11	1790	20	0.11	5	21	355	<20
M982353		20	2.96	10	2.48	1995	<1	1.37	6	1700	20	0.29	10	19	315	<20
M982354		20	2.70	10	2.08	1920	<1	2.29	8	1740	35	1.14	8	21	352	<20
M982355		20	3.03	10	1.99	1890	<1	2.59	6	1910	20	0.97	5	22	381	<20

Comments: **Corrected Copy for ME- ICP61 on Samples M982328 - M982332.**



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CERTIFICATE OF ANALYSIS TR12181528

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	Cu- OG62
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Cu %
		0.01	10	10	1	10	2	0.001
M982322		0.51	<10	10	230	<10	118	
M982323		0.50	<10	20	231	<10	122	
M982324		0.39	<10	10	171	<10	614	
M982325		0.50	<10	20	226	<10	203	
M982326		0.51	<10	20	235	<10	111	
M982327		0.54	<10	20	247	<10	101	
M982328		0.51	<10	<10	240	10	222	
M982329		0.51	10	<10	234	<10	291	
M982330		0.22	<10	10	76	<10	7360	
M982331		0.50	<10	10	231	<10	128	
M982331D		0.51	<10	<10	233	<10	127	
M982332		0.53	<10	<10	248	<10	157	
M982332P		0.55	<10	20	255	<10	170	
M982333		0.59	<10	20	264	<10	291	
M982334		0.56	<10	10	238	<10	170	
M982335		0.52	<10	10	220	<10	383	
M982336		0.52	<10	10	224	<10	305	
M982337		0.50	<10	20	230	<10	360	
M982338		0.52	<10	10	222	<10	780	
M982339		0.51	<10	20	223	<10	114	
M982340		0.54	<10	10	236	<10	67	
M982341		0.55	<10	10	243	<10	78	
M982341D		0.52	<10	10	228	<10	73	
M982342		0.51	<10	20	223	<10	81	
M982342P		0.51	<10	10	224	<10	81	
M982343		0.49	<10	20	228	<10	121	
M982344		0.48	<10	20	234	<10	352	
M982345		<0.01	<10	20	<1	<10	<2	
M982346		0.52	<10	20	251	<10	111	
M982347		0.52	<10	10	246	<10	205	
M982348		0.51	<10	10	245	<10	333	
M982349		0.52	<10	10	249	<10	606	
M982350		0.53	<10	10	255	<10	500	
M982351		0.53	<10	20	253	<10	447	
M982351D		0.52	<10	20	247	<10	443	
M982352		0.53	<10	10	254	<10	645	
M982352P		0.54	<10	<10	264	<10	826	
M982353		0.51	<10	<10	246	<10	981	
M982354		0.51	<10	<10	246	<10	1265	
M982355		0.55	10	<10	263	<10	1365	

Comments: **Corrected Copy for ME- ICP61 on Samples M982328 - M982332.**



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CERTIFICATE OF ANALYSIS TR12181528

Sample Description	Method	WEI- 21	Au- AA23	Au- GRA21	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units		kg	g/t	g/t	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR		0.02	0.005	0.05	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01
M982356		11.47	0.014		1.4	9.02	17	660	1.0	<2	3.60	<0.5	19	5	155	7.05
M982357		11.08	0.008		1.1	9.18	16	710	1.0	<2	3.78	<0.5	21	4	172	7.54
M982358		12.30	0.006		1.1	8.42	18	810	1.2	<2	4.68	<0.5	18	4	167	6.11
M982359		11.44	0.014		1.5	8.28	29	800	1.2	<2	4.26	<0.5	19	5	117	7.36
M982360		0.13	7.51	7.68	12.8	6.29	54	110	0.6	8	4.05	4.1	33	38	>10000	7.76
M982361		11.90	0.013		1.1	8.60	30	680	1.2	<2	4.41	<0.5	20	4	154	6.30
M982361D			0.008		1.2	8.75	26	680	1.3	<2	4.42	<0.5	20	4	145	6.32
M982362		12.39	0.011		1.1	9.08	21	900	1.2	<2	4.89	<0.5	22	4	143	6.63
M982362P			0.008		1.1	9.29	24	910	1.2	<2	4.97	<0.5	23	5	145	6.67
M982363		11.83	0.011		1.7	8.19	38	760	0.9	<2	8.03	0.5	36	4	286	6.80
M982364		11.76	<0.005		0.5	9.02	24	930	1.7	<2	5.28	0.6	20	4	75	5.93
M982365		9.00	0.007		0.5	8.27	25	1130	1.5	<2	6.34	0.6	14	4	57	6.16
M982366		8.89	0.713		88.3	6.07	1140	390	0.6	143	10.30	17.3	54	3	481	9.59
M982367		12.36	0.010		0.9	8.80	29	1250	1.2	<2	4.09	1.0	16	5	88	6.82
M982368		11.52	0.017		1.7	8.46	500	830	1.4	<2	4.91	0.5	19	4	224	6.12
M982369		11.73	0.013		1.6	8.95	469	820	1.4	<2	4.20	2.1	20	4	194	5.99
M982370		11.83	0.009		0.9	8.77	422	700	1.2	<2	4.54	<0.5	19	4	146	6.05
M982371		12.06	0.018		1.7	8.78	1045	770	1.5	<2	4.52	0.9	18	4	238	5.91
M982371D			0.018		1.7	9.07	1070	790	1.6	<2	4.62	0.9	21	4	246	6.05
M982372		11.40	0.015		1.5	8.93	186	630	1.5	<2	4.04	0.7	22	4	231	6.56
M982372P			0.013		1.5	8.92	161	620	1.5	<2	3.93	0.6	20	4	220	6.49
M982373		11.74	0.006		1.2	8.52	92	690	1.4	<2	3.81	0.8	23	5	149	6.80
M982374		11.76	0.010		1.8	8.33	28	730	1.2	<2	4.30	<0.5	23	4	174	6.68
M982375		0.12	1.345		5.3	5.70	13	600	0.7	<2	1.81	<0.5	14	57	>10000	4.00
M982376		11.36	0.007		1.1	8.78	12	920	1.4	<2	4.35	5.5	26	4	133	6.70
M982377		12.02	0.007		1.2	8.93	49	640	1.4	<2	4.80	0.9	19	4	104	6.92
M982378		11.10	0.016		2.3	8.59	110	860	1.5	<2	4.26	1.5	20	4	203	6.43
M982379		11.10	0.021		3.0	8.39	37	760	1.5	<2	4.69	8.6	23	5	253	6.13
M982380		11.79	0.014		2.0	8.07	10	750	1.6	2	4.96	3.6	20	5	189	5.83
M982381		11.27	0.016		2.0	7.84	<5	710	1.4	<2	5.82	6.0	18	4	121	5.72
M982381D			0.014		2.0	8.04	<5	700	1.4	<2	5.94	6.3	15	5	119	5.66
M982382		11.43	0.005		0.7	8.40	<5	660	1.3	2	4.56	7.2	10	5	35	6.15
M982382P			<0.005		0.8	8.52	5	610	1.3	<2	4.55	6.3	10	6	31	6.15
M982383		13.21	<0.005		0.7	8.37	15	710	1.3	<2	5.30	5.6	11	5	32	5.80
M982501		7.45	0.031		1.1	7.31	46	1010	1.5	<2	2.86	<0.5	13	37	37	5.01
M982502		7.26	0.015		1.6	7.41	51	980	1.6	<2	2.13	0.6	15	35	42	5.05
M982503		6.36	5.40	5.46	64.9	5.37	160	1330	1.0	<2	2.28	29.6	11	26	191	4.14
M982504		4.52	0.185		5.0	6.83	475	2030	1.3	<2	1.93	<0.5	14	26	94	4.81
M982505		6.60	0.308		2.1	7.33	73	1680	1.5	<2	2.70	0.8	6	24	15	2.55
M982506		11.52	0.130		1.8	6.83	38	1070	1.3	<2	2.39	1.0	13	28	37	4.88

Comments: **Corrected Copy for ME- ICP61 on Samples M982328 - M982332.**



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CERTIFICATE OF ANALYSIS TR12181528

Sample Description	Method	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	
	Analyte Units LOR	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
		10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20
M982356		20	2.83	10	2.34	1950	<1	2.54	6	1840	8	0.37	13	21	336	<20
M982357		20	2.98	10	2.40	2020	<1	2.45	7	2010	8	0.44	8	22	342	<20
M982358		20	3.36	10	2.01	1850	<1	1.88	5	1730	6	0.67	7	19	414	<20
M982359		20	3.78	10	1.74	2110	<1	1.56	6	1870	11	1.39	6	20	399	<20
M982360		10	1.43	10	1.38	724	421	1.65	46	1010	72	5.44	52	14	285	<20
M982361		20	3.43	10	2.38	1865	<1	1.55	7	1810	10	0.42	5	20	371	<20
M982361D		20	3.51	10	2.39	1870	<1	1.57	6	1810	8	0.42	5	20	375	<20
M982362		20	3.59	10	2.25	2030	<1	2.02	6	1850	12	0.61	<5	22	432	<20
M982362P		20	3.65	10	2.28	2060	<1	2.07	7	1880	14	0.61	8	22	441	<20
M982363		20	2.90	10	1.75	2730	<1	2.46	8	1620	36	1.26	7	20	555	<20
M982364		20	3.88	10	1.74	2240	<1	1.74	6	1860	20	0.63	7	22	467	<20
M982365		20	4.60	10	1.72	2630	<1	0.66	6	1710	17	1.02	<5	21	357	<20
M982366		20	2.99	10	2.12	4540	<1	0.56	4	1160	1785	4.11	19	18	578	<20
M982367		20	4.36	10	2.07	2140	<1	1.41	8	1790	31	0.90	8	21	371	<20
M982368		20	3.57	10	2.16	2170	<1	1.68	5	1790	13	0.18	<5	19	363	<20
M982369		20	3.66	10	2.08	1975	<1	2.18	6	1900	12	0.18	<5	20	387	<20
M982370		20	2.93	10	2.23	2070	<1	2.67	5	1800	11	0.17	8	20	442	<20
M982371		20	3.05	10	2.18	2010	<1	2.35	5	1830	6	0.23	8	20	418	<20
M982371D		20	3.17	10	2.25	2060	<1	2.42	6	1890	8	0.23	9	21	438	<20
M982372		20	2.77	10	2.44	1770	<1	2.66	6	1880	7	0.20	10	21	465	<20
M982372P		20	2.76	10	2.42	1730	<1	2.63	7	1860	8	0.20	<5	20	463	<20
M982373		20	2.91	10	2.39	1670	<1	2.77	5	2040	12	0.16	5	20	483	<20
M982374		20	2.85	10	2.43	1775	<1	2.53	7	1940	11	0.11	<5	20	532	<20
M982375		10	1.00	10	0.92	651	531	2.05	37	630	13	0.95	<5	11	258	<20
M982376		20	3.03	10	2.35	1725	<1	2.35	6	1970	16	0.23	<5	22	476	<20
M982377		20	2.75	10	2.64	1890	<1	2.33	4	1920	15	0.14	<5	22	477	<20
M982378		20	3.37	10	2.29	1910	<1	2.07	6	2050	14	0.13	<5	21	477	<20
M982379		20	2.96	10	2.23	1985	<1	2.21	7	2040	16	0.20	<5	20	475	<20
M982380		20	3.30	10	2.05	1730	<1	1.65	7	2040	15	0.21	7	19	524	<20
M982381		20	3.00	10	2.14	1860	<1	1.64	6	1920	23	0.24	7	19	466	<20
M982381D		20	3.03	10	2.14	1885	1	1.63	5	1910	19	0.24	5	20	460	<20
M982382		20	2.85	10	2.50	1525	<1	1.88	5	1870	28	0.32	<5	21	397	<20
M982382P		10	2.83	10	2.52	1490	<1	1.85	6	1790	22	0.31	<5	20	377	<20
M982383		20	2.83	10	2.49	1675	<1	1.54	7	1750	14	0.18	<5	20	405	<20
M982501		20	2.57	20	1.57	871	<1	1.16	18	820	8	0.18	6	17	281	<20
M982502		20	2.26	20	1.41	1020	<1	1.58	20	1030	10	0.24	<5	17	274	<20
M982503		10	2.07	10	1.39	799	1	0.43	13	820	2960	1.02	34	13	302	<20
M982504		10	2.58	10	2.17	969	<1	0.70	15	890	13	0.30	<5	18	329	<20
M982505		10	1.77	10	0.93	622	<1	2.97	6	810	53	0.27	<5	7	663	<20
M982506		10	2.17	10	1.30	1075	<1	1.24	13	690	63	0.41	<5	18	308	<20

Comments: **Corrected Copy for ME- ICP61 on Samples M982328 - M982332.**



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CERTIFICATE OF ANALYSIS TR12181528

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	Cu- OG62
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Cu %
		0.01	10	10	1	10	2	0.001
M982356		0.54	<10	<10	255	<10	187	
M982357		0.58	<10	<10	271	<10	159	
M982358		0.51	<10	<10	239	<10	148	
M982359		0.51	10	<10	247	10	93	
M982360		0.33	<10	<10	146	10	146	3.38
M982361		0.52	<10	<10	248	<10	123	
M982361D		0.54	<10	<10	257	<10	125	
M982362		0.55	<10	<10	265	10	113	
M982362P		0.55	10	<10	267	<10	113	
M982363		0.46	<10	<10	215	<10	94	
M982364		0.55	<10	<10	266	10	248	
M982365		0.51	<10	<10	248	10	168	
M982366		0.34	<10	<10	184	<10	2180	
M982367		0.53	<10	<10	251	10	221	
M982368		0.53	<10	<10	252	<10	166	
M982369		0.56	<10	<10	269	10	334	
M982370		0.53	<10	<10	253	10	185	
M982371		0.53	<10	<10	253	<10	195	
M982371D		0.54	<10	<10	260	10	203	
M982372		0.56	<10	<10	264	<10	202	
M982372P		0.55	<10	<10	260	<10	202	
M982373		0.58	<10	<10	287	<10	168	
M982374		0.53	<10	<10	258	<10	115	
M982375		0.28	<10	<10	90	40	91	1.215
M982376		0.55	<10	<10	269	<10	578	
M982377		0.56	<10	<10	270	<10	284	
M982378		0.58	<10	<10	285	<10	298	
M982379		0.57	<10	<10	278	<10	599	
M982380		0.55	<10	<10	267	<10	354	
M982381		0.52	<10	<10	252	<10	614	
M982381D		0.53	<10	<10	254	<10	636	
M982382		0.53	<10	<10	255	<10	603	
M982382P		0.51	<10	10	245	<10	560	
M982383		0.51	<10	10	245	<10	352	
M982501		0.56	<10	10	128	<10	81	
M982502		0.62	<10	10	130	<10	104	
M982503		0.37	<10	<10	106	10	2820	
M982504		0.46	<10	<10	123	<10	76	
M982505		0.22	<10	20	65	<10	76	
M982506		0.48	<10	10	129	<10	113	

Comments: **Corrected Copy for ME- ICP61 on Samples M982328 - M982332.**



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CERTIFICATE OF ANALYSIS TR12181528

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA23 Au g/t	Au- GRA21 Au g/t	ME- ICP61 Ag ppm	ME- ICP61 Al %	ME- ICP61 As ppm	ME- ICP61 Ba ppm	ME- ICP61 Be ppm	ME- ICP61 Bi ppm	ME- ICP61 Ca %	ME- ICP61 Cd ppm	ME- ICP61 Co ppm	ME- ICP61 Cr ppm	ME- ICP61 Cu ppm	ME- ICP61 Fe %
		0.02	0.005	0.05	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01
M982507		9.71	0.012		0.6	7.74	67	830	1.5	<2	2.08	<0.5	16	30	51	5.43
M982508		11.61	<0.005		0.6	6.72	46	920	1.4	<2	1.92	<0.5	8	19	41	4.07
M982508D			<0.005		0.5	6.69	49	920	1.4	<2	1.93	<0.5	8	16	40	4.06
M982509		11.23	0.013		0.6	7.32	12	940	1.3	<2	2.00	<0.5	10	24	42	4.76
M982509P			0.039		0.5	7.25	13	940	1.3	<2	2.02	<0.5	11	23	39	4.72
M982510		11.74	0.039		0.5	7.66	13	1020	1.6	<2	3.01	<0.5	14	31	61	5.23
M982511		10.04	<0.005		<0.5	7.13	<5	830	1.4	<2	2.99	<0.5	11	20	45	4.83
M982512		11.22	<0.005		<0.5	7.25	<5	470	1.1	<2	3.78	<0.5	14	35	14	4.59
M982513		11.46	<0.005		<0.5	7.09	6	830	0.9	<2	2.62	<0.5	11	13	56	4.67
M982514		11.73	<0.005		<0.5	7.09	15	1040	1.1	<2	3.24	<0.5	12	13	49	4.45
M982515		0.13	1.275		4.9	5.66	17	570	0.7	<2	1.78	0.6	12	53	>10000	4.02
M982516		11.78	0.010		0.6	6.71	24	950	1.3	<2	3.53	<0.5	9	16	53	4.10
M982517		11.73	0.038		1.1	7.19	27	930	1.2	<2	3.94	<0.5	15	35	59	4.87
M982518		11.54	<0.005		0.6	7.27	41	800	1.5	<2	3.95	<0.5	19	72	88	5.53
M982518D			<0.005		0.6	7.54	39	820	1.6	<2	4.08	<0.5	20	76	92	5.73
M982519		7.57	<0.005		0.6	7.25	137	850	2.3	<2	3.44	<0.5	11	34	73	4.71
M982519P			<0.005		0.7	7.43	156	870	2.4	<2	3.52	<0.5	12	35	73	4.85

Comments: **Corrected Copy for ME- ICP61 on Samples M982328 - M982332.**



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CERTIFICATE OF ANALYSIS TR12181528

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	
		Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
		10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20
M982507		20	1.83	20	1.18	1205	<1	2.13	15	1020	10	0.19	<5	19	263	<20
M982508		20	1.65	10	1.04	1020	<1	1.89	7	590	8	0.07	<5	15	219	<20
M982508D		20	1.64	10	1.04	1015	<1	1.88	6	600	7	0.07	<5	15	218	<20
M982509		20	1.60	10	1.29	991	<1	2.17	9	680	8	0.05	<5	18	266	<20
M982509P		20	1.61	10	1.28	986	<1	2.14	11	690	9	0.05	<5	18	267	<20
M982510		20	2.19	10	1.50	1360	<1	1.45	15	800	6	0.19	<5	20	265	<20
M982511		20	1.53	10	1.48	983	<1	1.39	10	750	4	0.11	<5	16	218	<20
M982512		20	0.91	10	2.15	672	<1	1.51	15	850	4	0.04	<5	19	195	<20
M982513		10	1.45	10	1.62	1115	2	0.50	7	710	5	0.20	<5	19	136	<20
M982514		10	1.87	10	1.55	1095	<1	0.74	6	810	5	0.12	<5	18	252	<20
M982515		10	0.94	10	0.91	636	511	1.95	36	590	12	0.93	<5	11	246	<20
M982516		10	1.86	10	1.38	1110	<1	1.59	9	630	9	0.20	<5	16	301	<20
M982517		10	1.98	10	1.79	1005	<1	1.75	18	740	16	0.39	<5	20	442	<20
M982518		20	2.29	10	2.34	1070	1	1.92	57	1130	11	0.45	<5	18	618	<20
M982518D		20	2.38	20	2.41	1110	2	1.98	60	1170	11	0.47	5	19	639	<20
M982519		20	2.93	20	1.62	727	3	2.01	15	610	16	0.57	7	15	795	<20
M982519P		20	3.02	20	1.66	745	3	2.07	17	630	15	0.57	5	16	821	<20

Comments: **Corrected Copy for ME- ICP61 on Samples M982328 - M982332.**



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CERTIFICATE OF ANALYSIS TR12181528

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	Cu- OG62
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Cu %
		0.01	10	10	1	10	2	0.001
M982507		0.64	<10	20	138	<10	91	
M982508		0.42	<10	10	93	<10	95	
M982508D		0.42	<10	10	93	<10	95	
M982509		0.50	<10	10	120	<10	83	
M982509P		0.48	<10	20	118	<10	80	
M982510		0.58	<10	10	141	<10	108	
M982511		0.48	<10	10	110	<10	69	
M982512		0.57	<10	10	140	<10	30	
M982513		0.44	<10	<10	125	<10	91	
M982514		0.48	<10	<10	115	<10	85	
M982515		0.27	<10	10	83	30	81	1.270
M982516		0.42	<10	10	102	<10	89	
M982517		0.50	<10	10	142	<10	81	
M982518		0.60	<10	10	158	<10	95	
M982518D		0.63	<10	10	163	<10	98	
M982519		0.45	<10	10	157	<10	96	
M982519P		0.46	<10	10	163	<10	102	

Comments: **Corrected Copy for ME- ICP61 on Samples M982328 - M982332.**



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CERTIFICATE TR12182312

Project: Bronson Creek
 P.O. No.: 54- 011401
 This report is for 26 Drill Core samples submitted to our lab in Terrace, BC, Canada on 8- AUG- 2012.
 The following have access to data associated with this certificate:

JENNIFER BURGESS JIM SPARLING	WILLIAM HAY JOHN ZBEETNOFF	SUSAN HENDERSON
----------------------------------	-------------------------------	-----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22d	Sample login - Rcd w/o BarCode dup
PUL- 32d	Pulverize Split - Dup 85% < 75um
BAG- 01	Bulk Master for Storage
SPL- 21d	Split sample - duplicate
SPL- 34	Pulp Splitting Charge
SPLIT- Z	Pulp split for send out
LOG- 23	Pulp Login - Rcvd with Barcode
LOG- 21	Sample logging - ClientBarCode
CRU- 31	Fine crushing - 70% < 2mm
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 32	Pulverize 1000g to 85% < 75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Cu- OG62	Ore Grade Cu - Four Acid	VARIABLE
As- OG62	Ore Grade As - Four Acid	VARIABLE
S- OG62	Ore Grade S- Four Acid	VARIABLE
Au- AA23	Au 30g FA- AA finish	AAS
Au- GRA21	Au 30g FA- GRAV finish	WST- SIM
ME- ICP61	33 element four acid ICP- AES	ICP- AES

To: **SNIPGOLD CORP.**
ATTN: WILLIAM HAY
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS TR12182312

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA23 Au g/t	Au- GRA21 Au g/t	ME- ICP61 Ag ppm	ME- ICP61 Al %	ME- ICP61 As ppm	ME- ICP61 Ba ppm	ME- ICP61 Be ppm	ME- ICP61 Bi ppm	ME- ICP61 Ca %	ME- ICP61 Cd ppm	ME- ICP61 Co ppm	ME- ICP61 Cr ppm	ME- ICP61 Cu ppm	ME- ICP61 Fe %
		0.02	0.005	0.05	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01
M978301		10.80	0.038		0.5	8.01	39	1610	1.2	<2	4.57	<0.5	11	150	245	8.37
M978302		10.29	0.063		<0.5	8.06	36	1910	1.2	<2	4.69	0.8	17	92	271	8.14
M978303		8.53	0.030		<0.5	8.25	27	1740	1.4	<2	4.37	<0.5	17	113	221	6.46
M978304		9.18	0.065		0.5	8.50	35	1700	1.3	<2	4.03	<0.5	23	151	333	6.58
M978305		7.22	0.178		1.1	7.75	31	910	0.9	<2	2.96	<0.5	30	133	641	7.97
M978306		4.98	0.241		3.4	5.44	43	280	<0.5	17	2.30	0.6	210	115	1945	19.00
M978307		6.73	0.118		0.9	8.01	36	1350	0.7	3	1.70	<0.5	42	135	925	9.90
M978308		5.85	0.327		1.8	7.21	55	440	0.6	21	2.33	<0.5	92	138	918	9.98
M978309		4.50	1.275		5.8	5.63	178	1250	0.5	14	2.47	1.4	291	145	1670	14.25
M978310		9.61	2.37	2.02	9.7	7.46	33	640	0.6	15	1.79	1.4	49	167	2770	10.20
M978310d			1.840		9.2	7.89	37	1550	0.6	19	1.87	1.4	49	169	2870	10.70
M978311		8.84	0.196		2.2	7.91	42	930	0.9	4	3.52	<0.5	33	214	637	8.32
M978311p			0.236		2.4	8.33	35	1530	0.9	4	3.59	<0.5	30	220	629	8.44
M978312		8.93	0.296		5.9	6.69	77	1270	0.7	5	7.59	3.9	34	181	1165	11.00
M978313		8.68	0.348		16.4	6.78	50	780	0.7	4	6.96	55.6	48	117	4550	17.10
M978314		7.77	0.522		17.1	5.73	112	420	0.7	16	8.03	9.7	146	91	3310	18.05
M978315		0.11	1.315		5.1	5.69	24	590	0.7	<2	1.86	0.5	13	52	>10000	4.22
M978316		6.95	0.020		0.7	8.37	83	990	1.5	<2	3.81	<0.5	22	199	166	6.31
M978317		9.52	0.037		1.1	8.13	94	950	1.5	<2	3.47	<0.5	23	180	220	6.06
M978318		7.95	0.182		5.3	7.35	131	1190	1.1	28	8.04	2.9	18	100	708	11.15
M978319		7.29	5.61	5.67	32.2	5.71	>10000	690	0.8	76	2.98	18.2	344	65	4980	22.3
M978320		9.59	6.59	4.37	26.0	7.60	147	2020	0.8	88	3.46	1.2	153	94	4460	11.00
M978320d			4.50	5.37	24.4	7.52	147	2040	0.8	97	3.44	1.2	156	93	4480	11.00
M978321		8.91	0.983		9.2	7.52	122	1690	1.1	34	3.46	1.2	67	124	1915	11.20
M978321p			0.718		7.8	7.71	110	1760	1.1	38	3.51	1.0	60	118	1795	10.85
M978322		0.15	>10.0	21.2	3.5	2.92	>10000	620	0.7	7	2.07	1.4	17	75	121	3.88



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CERTIFICATE OF ANALYSIS TR12182312

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	
		Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
		10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20
M978301		20	5.14	20	3.48	1705	7	0.74	79	2500	16	2.22	<5	21	463	<20
M978302		20	5.46	20	3.23	1760	12	0.71	75	2280	27	2.13	<5	16	494	<20
M978303		20	4.64	20	2.88	1985	19	1.42	81	2210	12	1.79	<5	16	477	<20
M978304		20	4.65	20	2.73	1255	12	1.63	130	1720	4	2.28	<5	15	524	<20
M978305		20	5.23	10	2.49	1050	14	0.92	115	1680	6	2.84	<5	13	463	<20
M978306		10	4.84	10	1.70	954	14	0.18	201	1100	13	>10.0	<5	10	335	<20
M978307		20	5.73	10	2.26	872	21	0.29	116	1580	14	3.59	<5	15	326	<20
M978308		20	5.52	10	2.21	929	36	0.21	133	1500	19	4.68	<5	12	372	<20
M978309		10	3.64	10	1.57	779	19	0.12	158	960	37	>10.0	<5	8	306	<20
M978310		10	5.18	10	1.75	888	38	0.16	133	1380	24	4.35	<5	11	326	<20
M978310d		20	5.72	10	1.86	922	39	0.17	137	1450	22	4.55	<5	12	343	<20
M978311		20	5.98	10	2.42	1555	8	0.15	121	1400	18	2.74	7	14	363	<20
M978311p		20	6.02	10	2.50	1585	8	0.15	119	1430	18	2.75	<5	15	375	<20
M978312		10	4.59	20	2.27	2130	12	0.09	94	1250	22	5.75	6	13	451	<20
M978313		20	3.30	10	3.32	4520	15	0.18	85	1300	25	8.32	5	11	427	<20
M978314		10	2.44	20	2.68	3630	12	0.19	90	990	72	>10.0	7	11	621	<20
M978315		10	1.00	10	0.98	676	551	2.08	38	620	11	0.94	<5	12	247	<20
M978316		20	4.95	10	2.60	1490	<1	0.53	158	1510	23	0.45	<5	14	376	<20
M978317		20	3.73	10	2.61	1025	1	1.40	141	1550	15	0.80	<5	14	390	<20
M978318		20	3.48	20	2.73	3070	2	0.33	61	1550	208	3.20	12	13	557	<20
M978319		10	3.23	10	1.99	2990	13	0.11	75	1700	182	>10.0	137	14	214	<20
M978320		10	5.46	30	2.43	1835	18	0.09	48	1960	41	5.26	5	17	299	<20
M978320d		10	5.43	20	2.42	1825	17	0.09	48	1930	42	5.29	<5	16	298	<20
M978321		10	4.99	10	2.40	1945	19	0.12	91	1660	36	4.99	12	15	293	<20
M978321p		10	5.13	10	2.46	1975	20	0.12	87	1690	37	4.63	9	15	300	<20
M978322		10	0.96	10	0.66	567	36	0.58	50	240	1235	0.89	<5	9	82	<20



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CERTIFICATE OF ANALYSIS TR12182312

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	Cu- OG62	As- OG62	S- OG62
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Cu %	As %	S %
		0.01	10	10	1	10	2	0.001	0.001	0.01
M978301		0.52	10	<10	230	10	111			
M978302		0.48	<10	<10	199	10	206			
M978303		0.47	<10	<10	197	10	77			
M978304		0.42	<10	<10	194	10	74			
M978305		0.39	<10	<10	204	30	80			
M978306		0.27	<10	<10	115	40	110			13.95
M978307		0.40	<10	<10	187	210	77			
M978308		0.37	<10	<10	214	90	89			
M978309		0.25	<10	<10	124	1750	184			10.20
M978310		0.36	<10	<10	179	420	196			
M978310d		0.37	10	<10	187	430	201			
M978311		0.39	<10	<10	181	70	118			
M978311p		0.39	10	<10	182	60	116			
M978312		0.33	<10	<10	184	40	334			
M978313		0.35	<10	<10	159	30	4780			
M978314		0.26	<10	<10	85	90	892			10.65
M978315		0.28	<10	<10	93	40	92	1.370		
M978316		0.40	<10	<10	160	20	137			
M978317		0.40	<10	<10	167	10	143			
M978318		0.38	<10	<10	156	20	788			
M978319		0.35	<10	<10	164	20	2140		2.31	11.15
M978320		0.43	<10	<10	189	1030	256			
M978320d		0.43	<10	<10	188	1030	253			
M978321		0.40	<10	<10	174	30	161			
M978321p		0.40	<10	<10	178	30	152			
M978322		0.11	<10	<10	70	<10	280		1.075	



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CERTIFICATE TR12182313

Project: Bronson Creek
 P.O. No.: 54- 011401
 This report is for 104 Drill Core samples submitted to our lab in Terrace, BC, Canada on 8- AUG- 2012.
 The following have access to data associated with this certificate:

JENNIFER BURGESS JIM SPARLING	WILLIAM HAY JOHN ZBEETNOFF	SUSAN HENDERSON
----------------------------------	-------------------------------	-----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22d	Sample login - Rcd w/o BarCode dup
PUL- 32d	Pulverize Split - Dup 85% < 75um
BAG- 01	Bulk Master for Storage
SPL- 21d	Split sample - duplicate
SPL- 34	Pulp Splitting Charge
SPLIT- Z	Pulp split for send out
LOG- 23	Pulp Login - Rcvd with Barcode
LOG- 21	Sample logging - ClientBarCode
CRU- 31	Fine crushing - 70% < 2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 32	Pulverize 1000g to 85% < 75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Cu- OG62	Ore Grade Cu - Four Acid	VARIABLE
Au- AA23	Au 30g FA- AA finish	AAS
Au- GRA21	Au 30g FA- GRAV finish	WST- SIM
ME- ICP61	33 element four acid ICP- AES	ICP- AES
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE

To: **SNIPGOLD CORP.**
ATTN: WILLIAM HAY
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS TR12182313

Sample Description	Method	WEI- 21	Au- AA23	Au- GRA21	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61
	Analyte Units LOR	Recvd Wt. kg	Au g/t	Au g/t	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.05	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01
M982520		11.63	0.009		1.1	8.38	8	1890	3.5	<2	1.71	0.6	4	15	39	1.75
M982521		11.05	<0.005		1.1	4.48	30	510	2.2	<2	13.9	1.1	10	32	30	3.31
M982522		11.22	<0.005		<0.5	6.35	16	1340	1.4	<2	4.07	1.0	12	35	34	4.08
M982523		4.83	<0.005		<0.5	6.38	10	740	1.4	<2	3.82	1.2	12	43	33	4.09
M982524		5.96	<0.005		0.7	4.68	16	280	0.8	<2	6.76	1.8	14	70	53	4.44
M982525		5.79	0.005		1.1	6.25	16	970	1.4	3	6.07	1.3	12	51	40	4.02
M982526		8.00	0.006		<0.5	6.88	5	610	0.8	2	5.68	2.1	33	90	36	6.65
M982527		4.86	<0.005		<0.5	5.27	9	430	0.6	<2	10.75	2.1	27	52	37	5.66
M982528		7.70	0.017		<0.5	7.07	5	820	1.0	3	5.76	1.4	19	45	24	4.68
M982529		4.96	0.017		<0.5	6.42	<5	660	1.1	<2	4.99	1.9	26	55	47	6.19
M982529d			0.007		<0.5	6.61	<5	680	1.1	<2	4.99	0.6	28	58	48	6.22
M982530		0.12	0.635		>100	7.42	46	1280	1.2	3	2.35	54.8	13	22	4620	3.65
M982531		3.59	<0.005		<0.5	7.11	8	1020	0.9	3	6.82	<0.5	22	73	44	5.03
M982531p			0.029		<0.5	7.51	9	1050	0.9	<2	7.06	<0.5	23	73	43	5.16
M982532		4.66	0.146		<0.5	4.64	5	950	0.7	3	3.91	<0.5	16	78	72	4.06
M982533		4.86	0.008		<0.5	5.62	<5	640	0.8	3	6.45	0.7	27	50	43	6.21
M982534		5.78	0.015		0.5	5.55	19	410	0.7	<2	5.75	1.4	26	80	68	5.95
M982535		2.15	<0.005		<0.5	7.80	<5	320	1.2	5	6.91	0.5	37	75	36	7.41
M982536		8.57	0.011		<0.5	5.64	<5	1420	1.0	<2	5.57	1.1	23	50	62	5.18
M982537		8.39	0.013		2.3	5.98	<5	1030	1.2	3	8.90	0.6	26	136	49	5.50
M982538		7.85	0.020		4.0	4.28	158	1340	0.7	3	7.90	2.1	38	460	63	4.58
M982539		11.93	<0.005		0.9	4.73	288	350	0.8	4	5.37	0.8	46	602	68	5.46
M982539d			<0.005		0.8	4.69	281	340	0.8	<2	5.31	0.8	46	576	66	5.41
M982540		11.80	<0.005		1.3	4.64	378	320	0.7	<2	5.30	0.8	49	608	59	5.48
M982540p			<0.005		1.3	4.64	397	320	0.7	<2	5.10	0.7	49	611	62	5.43
M982541		11.59	<0.005		1.8	4.30	491	230	0.8	<2	5.12	1.3	52	746	47	5.56
M982542		7.96	0.006		2.3	5.30	224	390	0.8	<2	5.58	1.0	39	477	70	5.31
M982543		10.48	<0.005		<0.5	7.40	90	1130	1.0	4	6.25	<0.5	19	114	70	4.64
M982544		5.17	<0.005		<0.5	5.41	<5	670	0.9	<2	14.4	<0.5	20	40	39	4.32
M982545		0.62	<0.005		<0.5	0.08	<5	10	<0.5	<2	33.1	0.5	<1	<1	<1	0.07
M982546		4.27	<0.005		<0.5	2.06	<5	250	0.5	<2	24.8	<0.5	8	3	31	1.64
M982547		9.64	<0.005		<0.5	4.66	<5	240	1.0	<2	15.5	0.5	21	32	83	4.64
M982548		3.86	0.029		1.6	7.23	5	800	1.0	6	1.54	8.4	9	16	22	1.60
M982549		5.44	0.009		1.2	6.18	5	550	4.5	<2	9.53	0.8	22	43	61	5.16
M982549d			0.013		1.0	6.16	8	550	4.4	2	9.50	1.0	22	42	61	5.15
M982550		5.71	<0.005		0.9	4.63	<5	440	2.2	<2	13.9	0.6	14	23	60	3.74
M982550p			0.005		0.8	4.44	<5	420	2.2	<2	14.3	<0.5	13	19	56	3.56
M982551		6.06	0.005		0.6	4.56	<5	430	2.2	<2	14.1	<0.5	13	19	54	3.65
M982552		6.22	0.007		1.3	7.55	<5	520	5.7	<2	5.58	<0.5	13	14	56	3.91
M982553		5.09	<0.005		0.9	7.16	<5	380	1.8	<2	3.53	<0.5	37	80	72	7.75



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CERTIFICATE OF ANALYSIS TR12182313

Sample Description	Method	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	
	Analyte Units LOR	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
		10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20
M982520		20	5.24	10	0.37	407	1	1.07	12	360	27	0.38	8	2	1100	<20
M982521		10	1.66	30	1.73	733	1	1.09	27	1460	11	0.24	14	7	1090	<20
M982522		20	1.95	20	1.47	648	1	1.35	18	550	4	0.49	<5	14	294	<20
M982523		10	1.76	20	1.41	671	2	1.41	26	510	<2	0.49	<5	14	258	<20
M982524		10	1.29	10	1.81	911	7	1.17	48	1420	15	2.63	<5	13	254	<20
M982525		10	1.77	20	1.56	805	4	1.39	28	890	18	1.29	7	14	323	<20
M982526		10	0.74	10	4.14	1130	2	2.02	72	1320	8	0.97	<5	27	163	<20
M982527		10	0.39	10	3.95	2120	4	1.17	43	1290	25	0.99	<5	22	134	<20
M982528		10	1.18	10	2.16	1070	1	3.15	35	1220	4	1.70	<5	16	184	<20
M982529		20	0.88	10	3.16	1085	2	2.00	38	1420	5	0.63	<5	22	187	<20
M982529d		10	0.86	10	3.17	1085	1	2.02	44	1480	9	0.64	<5	23	191	<20
M982530		20	2.28	10	0.67	576	35	2.51	10	830	9520	1.53	142	7	670	<20
M982531		10	2.29	10	3.02	1070	1	0.73	38	1150	10	0.24	<5	23	192	<20
M982531p		10	2.40	10	3.13	1090	<1	0.75	36	1190	8	0.24	<5	24	196	<20
M982532		10	1.10	10	2.26	591	3	0.89	51	1360	7	0.53	<5	14	146	<20
M982533		10	0.50	10	2.96	1310	1	2.22	37	1410	3	1.63	<5	21	181	<20
M982534		20	0.44	10	3.38	1130	2	1.72	57	1250	18	1.10	<5	21	147	<20
M982535		20	0.65	20	2.04	1145	<1	1.86	42	1870	<2	0.20	<5	27	928	<20
M982536		20	1.29	10	3.28	1065	3	1.05	34	1070	12	1.14	<5	18	173	<20
M982537		20	2.14	20	2.38	1135	2	1.58	50	1760	23	1.86	<5	17	557	<20
M982538		10	0.89	10	6.50	1220	1	1.26	341	990	234	0.98	<5	17	872	<20
M982539		10	1.24	10	8.57	1085	<1	0.76	481	1290	32	0.20	<5	21	398	<20
M982539d		10	1.24	10	8.51	1065	<1	0.76	483	1300	28	0.20	<5	20	397	<20
M982540		10	1.12	10	8.65	1090	1	0.75	504	1270	72	0.27	<5	20	388	<20
M982540p		10	1.10	10	8.66	1050	1	0.76	500	1290	55	0.29	<5	20	378	<20
M982541		10	1.22	10	9.26	1055	<1	0.57	576	1190	181	0.29	<5	20	357	<20
M982542		10	0.91	10	6.47	1065	<1	0.86	364	1320	255	0.48	<5	20	585	<20
M982543		20	1.74	10	2.07	956	1	2.58	69	1380	26	0.64	<5	15	604	<20
M982544		10	1.26	10	2.04	738	1	1.11	28	1050	6	0.50	<5	15	599	<20
M982545		<10	0.02	<10	1.94	31	<1	0.02	3	50	<2	0.04	<5	<1	5040	<20
M982546		<10	0.62	10	0.91	485	2	0.79	5	610	<2	0.59	<5	7	358	<20
M982547		10	0.55	10	2.54	856	1	1.79	23	1210	17	0.84	<5	18	406	<20
M982548		20	1.49	10	0.58	232	<1	3.47	5	350	78	0.52	<5	4	387	<20
M982549		20	1.52	10	2.84	832	6	2.29	27	1170	15	0.85	<5	20	414	<20
M982549d		20	1.52	10	2.84	832	5	2.27	29	1150	15	0.85	<5	20	414	<20
M982550		10	1.19	10	1.66	818	3	1.28	13	880	16	1.07	<5	15	579	<20
M982550p		10	1.14	10	1.59	805	3	1.23	15	820	15	1.05	<5	15	571	<20
M982551		10	1.10	10	1.61	807	4	1.35	14	870	18	1.05	<5	15	577	<20
M982552		20	1.41	10	1.35	750	4	3.89	7	530	23	0.87	<5	14	738	<20
M982553		20	2.67	10	4.98	813	6	2.04	51	1720	12	0.76	<5	32	326	<20



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Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	Ag- OG62	Cu- OG62
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Ag ppm	Cu %
		0.01	10	10	1	10	2	1	0.001
M982520		0.16	<10	<10	123	<10	56		
M982521		0.35	<10	<10	77	<10	79		
M982522		0.41	<10	<10	107	<10	84		
M982523		0.41	<10	<10	105	<10	96		
M982524		0.37	<10	<10	152	<10	141		
M982525		0.39	<10	<10	121	<10	108		
M982526		0.71	<10	<10	220	<10	122		
M982527		0.71	10	<10	208	<10	148		
M982528		0.53	10	<10	120	<10	77		
M982529		0.82	<10	<10	197	<10	114		
M982529d		0.83	<10	<10	199	<10	114		
M982530		0.22	<10	<10	76	20	7460	102	
M982531		0.51	<10	<10	178	<10	108		
M982531p		0.53	<10	<10	184	<10	107		
M982532		0.50	<10	<10	140	<10	83		
M982533		0.77	<10	<10	210	<10	135		
M982534		0.61	<10	<10	197	<10	151		
M982535		1.30	<10	<10	248	<10	102		
M982536		0.49	<10	<10	165	<10	215		
M982537		0.69	<10	<10	138	<10	103		
M982538		0.24	10	<10	135	<10	159		
M982539		0.27	<10	<10	176	<10	108		
M982539d		0.26	<10	<10	176	<10	108		
M982540		0.24	<10	<10	171	<10	163		
M982540p		0.23	<10	<10	171	<10	162		
M982541		0.22	<10	<10	164	<10	173		
M982542		0.22	<10	<10	174	<10	155		
M982543		0.40	<10	<10	170	<10	82		
M982544		0.59	<10	<10	143	<10	57		
M982545		0.01	<10	<10	2	<10	5		
M982546		0.17	<10	<10	78	<10	17		
M982547		0.58	<10	<10	200	<10	61		
M982548		0.13	<10	<10	37	<10	267		
M982549		0.64	<10	<10	267	<10	119		
M982549d		0.64	10	<10	269	<10	119		
M982550		0.41	<10	<10	261	<10	76		
M982550p		0.37	<10	<10	261	<10	71		
M982551		0.34	<10	<10	232	<10	67		
M982552		0.40	<10	<10	226	<10	61		
M982553		1.11	<10	<10	321	<10	84		



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Sample Description	Method Analyte Units LOR	WEI- 21	Au- AA23	Au- GRA21	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61
		Recvd Wt. kg	Au g/t	Au g/t	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.05	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01
M982554		6.08	<0.005		0.7	7.46	<5	400	2.1	5	2.62	<0.5	27	73	51	6.40
M982555		5.99	<0.005		<0.5	6.45	<5	450	1.2	3	5.83	<0.5	32	94	44	7.02
M982556		11.19	<0.005		<0.5	7.57	8	1530	1.3	2	2.68	<0.5	19	164	61	4.89
M982557		4.98	0.011		<0.5	5.58	<5	380	1.2	<2	12.30	<0.5	26	67	74	5.80
M982558		7.11	0.482		0.5	1.87	<5	160	0.8	2	25.7	0.7	6	3	24	1.52
M982559		6.45	0.059		<0.5	5.65	<5	580	1.7	<2	9.25	<0.5	27	51	141	6.04
M982559d			0.054		<0.5	5.69	<5	580	1.7	<2	9.52	<0.5	28	50	148	6.14
M982560		0.12	7.54	8.02	12.5	5.94	44	120	0.6	<2	3.99	4.3	36	38	>10000	7.59
M982561		8.64	<0.005		<0.5	7.13	<5	330	0.8	<2	5.39	<0.5	17	20	92	4.87
M982561p			<0.005		<0.5	7.17	<5	330	0.8	<2	5.17	<0.5	16	18	82	4.92
M982562		8.23	<0.005		<0.5	7.51	<5	640	0.7	<2	2.43	<0.5	19	15	122	6.39
M982563		8.66	0.133		0.9	6.65	<5	600	1.0	3	3.91	<0.5	27	33	132	6.40
M982564		7.60	0.076		5.9	1.84	<5	360	0.7	<2	26.0	4.1	5	2	42	1.83
M982565		7.21	<0.005		<0.5	1.79	<5	180	1.4	<2	29.1	<0.5	12	3	33	1.61
M982566		7.51	0.015		0.6	7.06	11	620	0.8	<2	5.04	<0.5	19	17	101	5.78
M982567		7.67	<0.005		<0.5	7.29	8	390	0.6	<2	3.46	<0.5	17	14	72	5.63
M982568		8.16	0.015		<0.5	5.34	24	640	0.7	<2	2.96	<0.5	12	38	49	4.11
M982569		8.25	0.018		0.7	4.92	57	790	0.7	<2	2.34	<0.5	10	34	28	3.26
M982569d			0.015		0.6	4.76	56	760	0.8	<2	2.36	<0.5	10	33	26	3.10
M982570		7.87	0.031		2.2	4.12	33	320	0.5	<2	6.32	2.2	11	28	47	2.77
M982570p			0.044		2.3	3.95	30	290	0.5	<2	5.99	2.8	10	27	50	2.55
M982571		6.49	<0.005		<0.5	4.85	18	130	0.5	<2	6.21	<0.5	15	17	82	4.44
M982572		7.82	<0.005		1.0	4.93	<5	380	0.6	<2	8.46	1.1	16	37	67	4.00
M982573		3.60	<0.005		<0.5	6.92	<5	610	0.8	<2	6.69	<0.5	23	44	84	5.28
M982574		7.94	<0.005		<0.5	8.22	<5	880	1.0	<2	5.07	0.7	26	48	114	6.12
M982575		0.11	1.355		4.4	5.16	15	540	0.6	<2	1.67	<0.5	13	50	>10000	3.64
M982576		11.29	<0.005		<0.5	7.95	<5	780	0.9	<2	4.90	1.0	19	27	167	5.22
M982577		8.90	0.010		<0.5	8.08	<5	980	0.8	<2	4.95	0.9	25	46	122	5.83
M982578		9.23	<0.005		<0.5	7.86	<5	690	0.8	<2	5.36	0.5	21	26	156	5.40
M982579		8.06	<0.005		<0.5	7.57	8	1050	0.8	<2	6.04	<0.5	24	67	46	5.44
M982579d			<0.005		<0.5	7.82	5	1070	0.8	<2	6.15	<0.5	24	69	45	5.52
M982580		3.96	<0.005		<0.5	7.72	16	540	0.8	<2	5.73	<0.5	26	99	46	5.91
M982580p			<0.005		<0.5	7.29	18	530	0.8	<2	5.68	<0.5	27	97	44	5.66
M982581		8.18	<0.005		<0.5	7.50	<5	1180	0.8	<2	4.74	<0.5	21	42	55	5.26
M982582		11.92	<0.005		<0.5	8.28	<5	830	0.9	<2	5.98	<0.5	24	26	122	6.25
M982583		11.60	<0.005		<0.5	7.77	<5	300	1.0	<2	5.22	<0.5	23	21	121	5.66
M982584		12.16	<0.005		<0.5	7.88	<5	620	0.9	<2	4.49	<0.5	21	21	76	5.51
M978101		9.01	<0.005		0.5	4.44	23	200	0.7	<2	5.48	<0.5	47	553	69	5.23
M978102		8.54	<0.005		<0.5	6.22	7	750	0.9	<2	4.75	<0.5	34	386	75	5.17
M978103		7.21	0.007		<0.5	3.05	<5	280	0.8	<2	24.5	<0.5	10	6	51	2.16



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CERTIFICATE OF ANALYSIS TR12182313

Sample Description	Method	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	
	Analyte Units LOR	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
		10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20
M982554		20	2.07	10	4.08	832	10	3.01	41	1360	12	0.73	<5	24	330	<20
M982555		20	2.02	10	4.60	1080	4	1.35	60	1500	10	0.48	<5	29	343	<20
M982556		20	2.52	10	2.63	593	1	0.97	94	980	12	0.77	<5	17	240	<20
M982557		10	0.61	10	2.60	831	<1	2.18	26	1350	3	0.38	<5	25	640	<20
M982558		<10	0.92	10	0.69	428	<1	0.15	7	540	3	0.61	<5	6	531	<20
M982559		20	1.13	10	2.46	1140	1	2.28	22	1200	3	0.78	<5	27	421	<20
M982559d		20	1.13	10	2.50	1185	1	2.27	23	1210	6	0.79	6	28	428	<20
M982560		10	1.39	10	1.37	694	417	1.59	44	1000	76	5.11	57	14	280	<20
M982561		20	0.53	10	2.02	982	2	3.21	11	910	4	0.49	6	18	318	<20
M982561p		20	0.52	10	2.00	971	1	3.27	12	910	4	0.50	<5	18	316	<20
M982562		20	0.76	10	2.29	1295	1	3.02	6	830	4	0.21	5	26	210	<20
M982563		20	0.99	10	2.49	1070	2	2.43	13	1060	8	1.19	<5	28	343	<20
M982564		10	0.37	10	0.89	557	<1	0.83	1	1010	67	0.43	7	6	715	<20
M982565		10	0.30	10	0.84	492	<1	0.85	3	460	4	0.35	6	7	410	<20
M982566		20	1.54	10	1.76	1120	<1	2.37	11	910	4	0.54	6	23	348	<20
M982567		20	0.49	10	1.82	1315	<1	3.28	6	840	4	0.20	5	20	226	<20
M982568		10	1.30	10	1.41	934	1	1.82	21	770	5	0.55	5	15	209	<20
M982569		10	1.30	10	0.95	582	<1	1.38	35	530	<2	0.69	7	12	187	<20
M982569d		10	1.32	10	0.91	590	<1	1.34	34	520	3	0.65	8	12	181	<20
M982570		10	1.05	10	1.33	748	11	0.95	12	820	42	1.31	10	11	190	<20
M982570p		10	1.01	10	1.27	706	11	0.93	12	790	48	1.25	10	11	177	<20
M982571		10	0.50	10	1.91	844	6	1.76	7	1160	3	1.03	7	19	178	<20
M982572		10	1.06	10	2.70	1170	6	1.55	19	920	12	1.22	6	16	400	<20
M982573		20	0.86	10	2.86	1330	1	2.34	26	1480	7	1.00	7	20	364	<20
M982574		20	0.86	10	2.69	1315	<1	3.00	28	1710	5	0.35	9	21	590	<20
M982575		10	0.93	10	0.83	597	504	1.86	31	560	10	0.87	6	10	235	<20
M982576		20	0.85	10	2.08	1180	1	3.23	17	1690	8	0.17	<5	17	446	<20
M982577		20	0.99	10	2.48	1220	1	2.63	29	1410	15	0.32	7	21	420	<20
M982578		20	0.72	10	2.17	1200	<1	2.96	13	1740	16	0.20	5	17	454	<20
M982579		20	1.26	10	2.41	1525	1	1.86	54	1340	10	0.38	7	20	468	<20
M982579d		20	1.28	10	2.44	1550	1	1.87	53	1350	9	0.38	<5	21	468	<20
M982580		20	0.67	10	2.77	1505	<1	0.79	79	1350	8	0.31	<5	23	487	<20
M982580p		20	0.65	10	2.68	1470	<1	0.77	71	1320	6	0.32	6	22	479	<20
M982581		20	1.27	10	2.05	1035	5	2.02	25	1420	10	0.40	<5	20	438	<20
M982582		20	0.69	10	2.47	1330	1	3.07	17	1730	10	0.34	5	20	563	<20
M982583		20	0.20	10	2.26	1230	<1	3.16	15	1740	6	0.15	6	19	742	<20
M982584		20	0.80	10	2.10	1325	1	2.57	12	1360	8	0.41	9	20	682	<20
M978101		10	1.05	10	8.56	1045	<1	0.19	504	1180	6	0.10	7	19	291	<20
M978102		10	1.95	10	6.02	837	<1	0.76	308	1140	12	0.49	6	19	326	<20
M978103		10	0.59	10	1.04	502	<1	1.13	3	870	14	0.42	<5	7	507	<20



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Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	Ag- OG62	Cu- OG62
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Ag ppm	Cu %
		0.01	10	10	1	10	2	1	0.001
M982554		0.78	<10	<10	256	<10	92		
M982555		0.87	<10	<10	268	<10	109		
M982556		0.34	<10	<10	148	<10	91		
M982557		0.70	<10	<10	230	<10	60		
M982558		0.16	<10	<10	78	<10	28		
M982559		0.85	<10	<10	271	<10	99		
M982559d		0.86	<10	<10	275	<10	102		
M982560		0.32	<10	<10	142	<10	148		3.38
M982561		0.46	<10	<10	184	<10	76		
M982561p		0.47	<10	<10	186	<10	76		
M982562		0.57	<10	<10	224	<10	152		
M982563		0.70	<10	<10	244	<10	108		
M982564		0.17	<10	<10	73	<10	326		
M982565		0.18	<10	<10	78	<10	32		
M982566		0.52	<10	<10	212	<10	123		
M982567		0.53	<10	<10	199	<10	114		
M982568		0.38	<10	<10	129	<10	101		
M982569		0.31	<10	<10	103	<10	64		
M982569d		0.31	<10	<10	105	<10	63		
M982570		0.27	<10	<10	217	<10	531		
M982570p		0.26	<10	<10	220	<10	707		
M982571		0.39	<10	<10	254	<10	56		
M982572		0.38	<10	<10	201	<10	77		
M982573		0.52	<10	<10	196	<10	106		
M982574		0.58	<10	<10	232	<10	189		
M982575		0.25	<10	<10	84	30	78		1.325
M982576		0.47	<10	<10	191	<10	182		
M982577		0.49	<10	<10	211	<10	215		
M982578		0.47	<10	<10	201	<10	127		
M982579		0.48	<10	<10	182	<10	83		
M982579d		0.48	<10	<10	183	<10	84		
M982580		0.53	<10	<10	202	<10	85		
M982580p		0.51	<10	<10	191	<10	82		
M982581		0.44	<10	<10	208	<10	78		
M982582		0.54	<10	<10	239	<10	119		
M982583		0.53	<10	<10	219	<10	94		
M982584		0.51	<10	<10	211	<10	96		
M978101		0.18	<10	<10	160	<10	74		
M978102		0.27	<10	<10	155	<10	71		
M978103		0.18	<10	<10	90	<10	25		



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Project: Bronson Creek

CERTIFICATE OF ANALYSIS TR12182313

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA23 Au g/t	Au- GRA21 Au g/t	ME- ICP61 Ag ppm	ME- ICP61 Al %	ME- ICP61 As ppm	ME- ICP61 Ba ppm	ME- ICP61 Be ppm	ME- ICP61 Bi ppm	ME- ICP61 Ca %	ME- ICP61 Cd ppm	ME- ICP61 Co ppm	ME- ICP61 Cr ppm	ME- ICP61 Cu ppm	ME- ICP61 Fe %
		0.02	0.005	0.05	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01
M978104		8.09	0.011		2.7	6.79	<5	720	4.8	<2	7.69	<0.5	21	38	86	4.96
M978105		6.28	0.021		2.2	8.81	<5	2170	4.6	<2	2.12	6.1	1	2	8	0.98
M978105d			0.038		2.2	7.73	<5	2180	4.5	2	1.97	6.2	1	2	9	0.93
M978106		6.09	0.009		1.0	7.71	<5	2060	5.3	<2	2.15	0.9	1	2	15	0.97
M978106p			0.018		0.8	7.62	<5	2000	5.5	2	2.12	0.8	1	2	11	0.98
M978107		8.91	<0.005		0.6	5.28	7	410	7.6	<2	10.20	<0.5	24	10	35	4.42
M978108		6.73	0.024		1.7	7.46	7	1370	4.3	<2	3.60	1.1	3	4	20	1.55
M978109		7.12	0.008		1.4	7.84	<5	1150	3.4	2	2.06	0.9	2	5	17	1.06
M978110		7.23	0.018		2.0	7.86	15	1410	3.9	<2	4.01	0.8	6	4	30	1.92
M978111		9.78	0.006		0.7	5.07	5	860	5.2	<2	19.2	0.8	13	8	57	3.60
M978112		11.86	0.005		0.5	6.21	22	340	0.6	<2	4.05	<0.5	16	19	77	4.72
M978113		9.72	0.017		0.8	5.50	12	460	0.7	<2	3.84	0.5	21	24	35	4.39
M978114		9.36	<0.005		0.9	6.92	13	550	<0.5	<2	4.74	0.5	22	12	133	6.24
M978115		0.12	1.225		4.6	5.57	17	600	0.6	<2	1.75	<0.5	13	55	>10000	3.81
M978116		10.54	0.011		0.7	7.28	10	490	0.6	<2	3.76	<0.5	24	10	136	6.61
M978116d			0.011		0.7	7.38	17	490	0.6	<2	3.81	<0.5	24	10	137	6.67
M978117		6.97	0.023		1.8	7.01	<5	680	0.6	<2	5.66	0.9	21	15	111	5.57
M978117p			0.020		1.9	6.99	17	690	0.6	<2	5.47	0.8	20	14	107	5.47
M978118		4.57	0.006		1.1	8.06	<5	1950	2.6	<2	11.15	0.5	5	4	19	1.57
M978119		6.23	0.008		1.3	7.62	<5	1010	3.7	<2	9.48	<0.5	26	15	87	4.46
M978120		8.10	0.006		0.9	6.27	<5	570	8.2	<2	9.45	0.5	38	6	58	4.33
M978121		8.55	0.005		<0.5	6.71	5	1040	5.5	<2	8.25	<0.5	27	20	36	3.92
M978122		8.29	0.005		0.6	7.27	<5	240	1.1	<2	5.29	<0.5	31	77	159	7.08
M978123		6.56	0.019		<0.5	8.29	5	440	3.0	<2	6.72	0.5	29	46	71	7.17



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Project: Bronson Creek

CERTIFICATE OF ANALYSIS TR12182313

Sample Description	Method	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61
	Analyte Units LOR	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
		10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20
M978104		30	1.33	10	2.52	1000	1	2.50	26	1400	13	0.89	12	20	1230	<20
M978105		30	3.59	<10	0.09	387	<1	2.37	<1	80	72	0.28	<5	1	668	<20
M978105d		30	3.46	<10	0.07	384	<1	2.36	<1	70	73	0.27	<5	<1	652	<20
M978106		20	3.58	<10	0.13	424	<1	1.89	<1	110	33	0.21	<5	1	581	<20
M978106p		20	3.54	<10	0.14	421	<1	1.87	1	110	30	0.20	<5	1	566	<20
M978107		20	0.84	10	2.43	1410	<1	2.02	24	910	12	0.30	5	11	1330	<20
M978108		20	2.77	<10	0.41	578	<1	2.76	5	190	44	0.53	<5	1	610	<20
M978109		20	2.14	<10	0.12	292	<1	4.34	<1	80	29	0.52	<5	1	534	<20
M978110		20	2.30	<10	0.34	512	<1	4.40	2	360	39	0.83	5	5	748	<20
M978111		20	1.31	10	1.14	1060	4	1.31	7	800	10	0.86	5	14	1215	<20
M978112		10	0.50	10	1.92	916	1	2.72	24	870	3	0.98	<5	17	312	<20
M978113		10	0.82	10	1.69	812	2	2.32	19	840	4	1.41	<5	16	421	<20
M978114		10	0.28	10	1.89	1265	<1	3.10	9	780	14	1.11	<5	25	362	<20
M978115		10	0.97	10	0.88	643	519	1.98	36	590	12	0.93	<5	11	250	<20
M978116		20	0.41	10	2.49	1460	1	2.81	8	870	<2	0.33	<5	27	414	<20
M978116d		20	0.41	10	2.50	1480	<1	2.82	10	870	3	0.35	6	28	413	<20
M978117		10	0.65	10	1.89	1215	<1	2.89	13	810	20	1.27	6	23	501	<20
M978117p		10	0.66	10	1.88	1190	<1	2.86	12	800	15	1.18	5	23	497	<20
M978118		20	1.34	10	0.45	783	<1	4.41	4	250	19	0.76	<5	6	963	<20
M978119		20	1.60	10	2.09	1260	<1	2.23	20	1910	25	0.88	<5	17	847	<20
M978120		20	0.69	10	2.17	1210	<1	2.55	30	1590	9	0.64	<5	17	1070	<20
M978121		20	0.73	10	2.20	1160	<1	2.83	30	1170	12	0.48	<5	16	1040	<20
M978122		20	0.05	10	3.62	950	<1	3.33	39	1690	19	0.73	5	31	519	<20
M978123		20	0.57	20	3.02	1355	<1	3.47	24	2790	6	0.51	6	23	1375	<20



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CERTIFICATE OF ANALYSIS TR12182313

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	Ag- OG62	Cu- OG62
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Ag ppm	Cu %
		0.01	10	10	1	10	2	1	0.001
M978104		0.54	<10	10	361	<10	67		
M978105		0.06	<10	<10	120	<10	195		
M978105d		0.06	10	<10	120	<10	190		
M978106		0.08	<10	<10	133	<10	42		
M978106p		0.08	<10	<10	134	<10	38		
M978107		0.28	<10	<10	696	<10	88		
M978108		0.10	<10	<10	199	<10	62		
M978109		0.07	<10	<10	124	<10	48		
M978110		0.20	10	<10	215	<10	66		
M978111		0.34	<10	<10	292	<10	81		
M978112		0.43	<10	<10	180	<10	61		
M978113		0.40	<10	<10	170	<10	46		
M978114		0.56	<10	<10	242	<10	95		
M978115		0.27	10	<10	90	30	85	1.320	
M978116		0.63	<10	<10	286	<10	125		
M978116d		0.64	<10	<10	289	<10	126		
M978117		0.54	<10	10	212	<10	156		
M978117p		0.53	<10	<10	209	<10	160		
M978118		0.11	10	<10	120	<10	31		
M978119		0.45	10	<10	364	<10	120		
M978120		0.39	<10	<10	502	<10	73		
M978121		0.37	<10	<10	381	<10	79		
M978122		0.72	<10	<10	293	<10	125		
M978123		0.77	<10	<10	301	<10	96		



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CERTIFICATE TR12182314

Project: Bronson Creek
P.O. No.: 54- 011401
This report is for 1 Crushed Core sample submitted to our lab in Terrace, BC, Canada on 14- AUG- 2012.

The following have access to data associated with this certificate:

JENNIFER BURGESS
JIM SPARLING

WILLIAM HAY
JOHN ZBEETNOFF

SUSAN HENDERSON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
BAG- 01	Bulk Master for Storage
FND- 03	Find Reject for Addn Analysis
SPL- 21	Split sample - riffle splitter
PUL- 32	Pulverize 1000g to 85% < 75 um
SCR- 21	Screen to - 100 to 106 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- SCR21	Au Screen Fire Assay - 100 to 106 um	WST- SIM
Au- AA25	Ore Grade Au 30g FA AA finish	AAS
Au- AA25D	Ore Grade Au 30g FA AA Dup	AAS

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Project: Bronson Creek

CERTIFICATE OF ANALYSIS TR12182314

Sample Description	Method Analyte Units LOR	Au- SCR21 Au Total g/t 0.05	Au- SCR21 Au (+) F g/t 0.05	Au- SCR21 Au (-) F g/t 0.05	Au- SCR21 Au (+) m mg 0.001	Au- SCR21 WT. + Fr g 0.01	Au- SCR21 WT. - Fr g 0.1	Au- AA25 Au g/t 0.01	Au- AA25D Au g/t 0.01
M982304		4.96	29.2	4.43	0.627	21.48	988.2	4.35	4.51



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CERTIFICATE TR12182315

Project: Bronson Creek
 P.O. No.: 54- 011401
 This report is for 2 Crushed Core samples submitted to our lab in Terrace, BC, Canada on 14- AUG- 2012.
 The following have access to data associated with this certificate:

JENNIFER BURGESS JIM SPARLING	WILLIAM HAY JOHN ZBEETNOFF	SUSAN HENDERSON
----------------------------------	-------------------------------	-----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND- 03	Find Reject for Addn Analysis
SPL- 21	Split sample - riffle splitter
PUL- 32	Pulverize 1000g to 85% < 75 um
SCR- 21	Screen to - 100 to 106 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- SCR21	Au Screen Fire Assay - 100 to 106 um	WST- SIM
Au- AA25	Ore Grade Au 30g FA AA finish	AAS
Au- AA25D	Ore Grade Au 30g FA AA Dup	AAS

To: **SNIPGOLD CORP.**
ATTN: WILLIAM HAY
611 - 675 WEST HASTINGS ST.
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Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: Bronson Creek

CERTIFICATE OF ANALYSIS TR12182315

Sample Description	Method Analyte Units LOR	Au- SCR21	Au- SCR21	Au- SCR21	Au- SCR21	Au- SCR21	Au- SCR21	Au- AA25	Au- AA25D
		Au Total g/t	Au (+) F g/t	Au (-) F g/t	Au (+) m mg	WT. + Fr g	WT. - Fr g	Au g/t	Au g/t
M978319		4.55	17.15	4.23	0.407	23.76	936.8	4.38	4.08
M978320		5.77	7.16	5.72	0.194	27.09	738.1	5.83	5.61



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CERTIFICATE TR12185117

Project: Bronson Creek
 P.O. No.: 54- 011401
 This report is for 51 Drill Core samples submitted to our lab in Terrace, BC, Canada on 10- AUG- 2012.
 The following have access to data associated with this certificate:

JENNIFER BURGESS JIM SPARLING	WILLIAM HAY JOHN ZBEETNOFF	SUSAN HENDERSON
----------------------------------	-------------------------------	-----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22d	Sample login - Rcd w/o BarCode dup
PUL- 32d	Pulverize Split - Dup 85% < 75um
BAG- 01	Bulk Master for Storage
SPL- 21d	Split sample - duplicate
SPL- 34	Pulp Splitting Charge
SPLIT- Z	Pulp split for send out
LOG- 23	Pulp Login - Rcvd with Barcode
LOG- 21	Sample logging - ClientBarCode
CRU- 31	Fine crushing - 70% < 2mm
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 32	Pulverize 1000g to 85% < 75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Cu- OG62	Ore Grade Cu - Four Acid	VARIABLE
Pb- OG62	Ore Grade Pb - Four Acid	VARIABLE
S- OG62	Ore Grade S- Four Acid	VARIABLE
Au- AA23	Au 30g FA- AA finish	AAS
Au- GRA21	Au 30g FA- GRAV finish	WST- SIM
ME- ICP61	33 element four acid ICP- AES	ICP- AES
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE

To: **SNIPGOLD CORP.**
ATTN: WILLIAM HAY
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Signature:
 Colin Ramshaw, Vancouver Laboratory Manager

Comments: ****Corrected Copy for Au- AA23 on Samples M978350 & M978351.**** An additional Au- GRA21 check assay for sample M978347 report 6.92 ppm



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CERTIFICATE OF ANALYSIS TR12185117

Sample Description	Method	WEI- 21	Au- AA23	Au- GRA21	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units		kg	g/t	g/t	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR		0.02	0.005	0.05	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01
M978323		4.39	>10.0	13.55	70.2	1.87	429	320	<0.5	246	20.3	21.7	75	32	4790	10.95
M978324		7.50	0.741		7.0	6.88	100	820	1.4	15	5.35	5.2	57	156	978	10.80
M978325		10.83	0.058		1.6	7.48	81	920	1.5	<2	5.12	3.0	25	177	505	8.89
M978326		6.21	0.035		1.3	7.83	33	1570	1.5	<2	2.85	0.5	13	173	261	9.65
M978327		10.97	0.013		<0.5	8.62	177	1420	1.7	<2	2.15	0.5	15	179	129	6.53
M978328		8.46	0.224		2.2	7.24	119	550	1.1	12	6.66	7.8	23	133	332	7.62
M978329		12.70	0.457		<0.5	7.50	91	1570	1.5	2	4.61	0.7	14	166	92	6.52
M978330		0.13	0.615		>100	7.60	50	1460	1.3	2	2.42	57.1	12	22	4730	3.84
M978331		12.91	0.057		<0.5	7.36	82	1190	1.3	<2	5.74	1.0	14	130	116	6.21
M978332		6.58	0.011		<0.5	7.63	20	1690	1.5	<2	2.81	0.8	13	168	91	5.68
M978332D			0.013		<0.5	7.81	20	1700	1.5	<2	2.81	0.7	13	170	90	5.70
M978333		5.56	0.143		13.5	6.82	34	860	0.8	14	4.95	6.5	13	134	3570	7.11
M978333P			0.114		13.9	6.68	31	760	0.8	15	5.07	6.8	14	132	3900	7.11
M978334		9.03	0.024		<0.5	7.30	45	2290	1.2	2	3.51	0.7	16	133	71	5.05
M978335		12.21	0.012		<0.5	7.35	72	1610	1.1	2	3.88	0.6	19	162	42	4.56
M978336		13.02	0.015		<0.5	7.35	79	1830	1.3	<2	2.77	0.5	17	182	50	5.69
M978337		9.71	0.026		<0.5	7.87	67	1950	1.3	<2	2.70	0.6	18	166	79	7.06
M978338		8.14	0.014		<0.5	7.44	79	2490	0.9	<2	4.90	0.6	17	173	47	4.64
M978339		8.27	0.010		<0.5	7.22	428	1190	1.4	<2	3.55	0.7	20	183	33	5.16
M978340		12.12	0.006		<0.5	7.52	26	1130	1.1	<2	4.01	0.6	19	193	51	4.65
M978341		8.72	0.016		<0.5	7.61	30	980	1.2	<2	3.69	0.6	21	205	99	5.30
M978342		11.06	0.014		<0.5	7.51	24	1030	1.3	2	4.43	1.3	23	253	73	5.85
M978342D			0.024		<0.5	7.56	23	1030	1.3	<2	4.48	1.2	23	246	74	5.88
M978343		8.17	0.034		<0.5	7.32	25	1010	1.2	3	6.39	0.8	20	190	74	5.89
M978343P			0.030		<0.5	7.43	24	1030	1.2	<2	6.48	0.7	21	188	73	6.04
M978344		11.35	0.103		<0.5	7.71	7	840	1.2	<2	3.29	2.4	20	333	97	7.50
M978345		0.79	<0.005		<0.5	0.05	<5	10	<0.5	<2	21.1	0.8	<1	<1	<1	0.46
M978346		6.60	1.315		3.0	4.90	10	210	0.9	27	13.2	5.5	24	168	260	7.41
M978347		7.31	7.54	6.20	8.8	2.55	59	280	<0.5	43	4.20	2.0	266	98	1460	29.2
M978348		7.20	0.159		0.8	7.26	27	640	1.2	7	4.70	<0.5	20	225	68	5.89
M978349		7.47	0.042		<0.5	7.40	44	760	1.2	4	3.75	0.6	19	197	35	5.13
M978350		11.52	0.120		0.8	7.49	25	1530	0.9	<2	4.02	0.6	16	168	182	5.84
M978351		13.28	1.180		0.9	7.59	23	1590	0.9	5	3.79	1.1	15	170	212	5.92
M978352		11.36	0.034		<0.5	7.24	7	1370	1.1	3	3.56	<0.5	14	181	84	5.44
M978352D			0.047		<0.5	7.04	5	1360	1.1	4	3.50	<0.5	14	178	79	5.39
M978353		11.88	0.032		<0.5	7.85	15	2000	1.0	4	3.36	<0.5	14	171	68	5.17
M978353P			0.031		<0.5	7.75	13	2030	1.0	6	3.29	<0.5	14	186	67	5.17
M978354		7.30	0.023		<0.5	7.87	11	2740	0.8	4	3.48	<0.5	9	177	81	5.88
M978355		6.75	0.042		0.5	7.90	8	1780	0.7	6	2.00	<0.5	13	184	253	9.32
M978356		10.58	0.078		0.8	5.82	10	1020	0.7	6	8.97	1.5	24	113	226	8.47

Comments: **Corrected Copy for Au- AA23 on Samples M978350 & M978351.** An additional Au- GRA21 check assay for sample M978347 report 6.92 ppm



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Project: Bronson Creek

CERTIFICATE OF ANALYSIS TR12185117

Sample Description	Method	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	
	Analyte Units LOR	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
		10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20
M978323		10	0.82	10	4.18	9080	4	0.01	42	260	851	3.94	88	3	942	<20
M978324		20	3.30	10	2.90	2040	6	0.15	104	1290	75	3.52	7	12	274	<20
M978325		20	4.24	10	2.42	1410	1	0.19	132	1450	22	3.31	7	13	344	<20
M978326		20	4.71	10	3.05	946	1	0.13	119	1350	20	1.72	8	14	231	<20
M978327		20	5.22	10	2.47	846	1	0.14	112	1520	13	0.91	13	15	169	<20
M978328		20	5.08	10	2.40	1725	2	0.12	114	1330	39	3.19	15	12	425	<20
M978329		20	4.82	10	2.69	1260	2	0.14	117	1460	19	0.68	8	13	310	<20
M978330		20	2.30	10	0.71	595	38	2.61	9	840	>10000	1.60	150	7	699	<20
M978331		20	3.82	10	2.31	1330	2	0.92	91	1300	23	1.18	6	12	426	<20
M978332		20	4.68	10	2.57	774	1	0.70	99	1500	7	0.52	<5	12	282	<20
M978332D		20	4.72	10	2.60	775	2	0.70	99	1510	8	0.53	7	13	283	<20
M978333		10	3.52	10	1.88	864	1	0.87	226	980	28	2.36	7	11	397	<20
M978333P		10	3.56	10	1.86	870	1	0.83	249	960	27	2.51	8	11	383	<20
M978334		20	5.07	10	2.26	755	1	0.69	95	1400	5	0.62	<5	12	372	<20
M978335		20	3.73	10	2.62	865	1	1.52	119	1390	6	0.27	<5	13	451	<20
M978336		20	4.48	10	2.86	682	1	1.00	112	1410	4	0.42	<5	12	330	<20
M978337		20	4.70	10	3.03	780	1	1.02	122	1430	3	0.95	<5	13	299	<20
M978338		20	4.10	10	2.13	1100	2	1.80	122	1300	4	0.37	<5	12	608	<20
M978339		20	3.46	10	2.80	794	1	1.96	130	1440	<2	0.22	7	12	414	<20
M978340		20	2.86	10	2.70	807	2	2.41	141	1430	4	0.28	<5	13	506	<20
M978341		20	2.79	10	3.09	773	3	2.02	157	1350	6	0.59	<5	13	401	<20
M978342		20	3.42	10	3.43	880	1	1.12	167	1420	6	0.32	<5	13	351	<20
M978342D		20	3.43	10	3.45	886	1	1.14	163	1420	7	0.32	<5	13	355	<20
M978343		20	3.17	10	3.00	1020	1	1.07	155	1310	10	0.93	<5	13	382	<20
M978343P		20	3.28	10	3.03	1045	1	1.09	158	1330	10	0.96	<5	13	390	<20
M978344		20	3.75	10	3.40	989	1	0.66	186	1380	20	0.59	<5	14	264	<20
M978345		<10	0.02	<10	12.70	225	1	<0.01	<1	190	2	<0.01	<5	<1	35	<20
M978346		10	1.54	10	2.93	2220	5	0.24	140	780	139	1.47	<5	9	836	<20
M978347		<10	1.04	<10	1.12	1185	25	0.09	210	460	134	>10.0	8	3	440	<20
M978348		20	3.52	10	2.96	1225	<1	0.33	151	1280	44	0.61	7	13	403	<20
M978349		20	3.80	10	2.65	1100	<1	0.51	147	1240	35	0.30	<5	12	419	<20
M978350		20	4.17	10	2.42	1065	<1	0.46	122	1170	15	0.80	6	12	443	<20
M978351		20	4.36	10	2.48	1050	<1	0.43	126	1180	16	0.78	7	13	430	<20
M978352		20	4.11	10	2.72	869	1	0.69	123	1320	7	0.62	9	12	380	<20
M978352D		20	4.02	10	2.69	857	1	0.69	122	1320	6	0.61	6	12	380	<20
M978353		20	4.54	10	2.70	915	<1	0.90	133	1410	5	0.68	6	13	400	<20
M978353P		20	4.50	10	2.70	904	<1	0.89	135	1430	6	0.68	8	12	405	<20
M978354		20	5.17	10	2.35	910	<1	0.39	133	1430	5	0.65	5	13	389	<20
M978355		20	5.29	10	3.15	741	<1	0.21	92	1390	3	1.62	<5	14	258	<20
M978356		20	2.72	10	2.56	1990	3	0.17	57	1000	23	1.93	5	10	1015	<20

Comments: **Corrected Copy for Au- AA23 on Samples M978350 & M978351.** An additional Au- GRA21 check assay for sample M978347 report 6.92 ppm



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CERTIFICATE OF ANALYSIS TR12185117

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	Ag- OG62	Cu- OG62	Pb- OG62	S- OG62
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Ag ppm	Cu %	Pb %	S %
		0.01	10	10	1	10	2	1	0.001	0.001	0.01
M978323		0.07	<10	<10	30	10	2740				
M978324		0.33	<10	<10	139	20	692				
M978325		0.38	<10	<10	152	30	263				
M978326		0.38	10	<10	154	30	145				
M978327		0.41	<10	<10	166	30	89				
M978328		0.35	<10	<10	134	20	827				
M978329		0.39	<10	<10	161	30	94				
M978330		0.23	10	<10	79	30	7510	102		0.990	
M978331		0.35	<10	<10	135	20	112				
M978332		0.40	<10	<10	158	10	85				
M978332D		0.40	10	<10	157	10	84				
M978333		0.27	<10	<10	111	10	458				
M978333P		0.27	<10	<10	111	10	519				
M978334		0.36	<10	<10	141	10	78				
M978335		0.38	<10	<10	145	10	61				
M978336		0.39	<10	<10	150	10	66				
M978337		0.40	<10	<10	156	20	80				
M978338		0.36	<10	<10	150	50	64				
M978339		0.40	<10	<10	157	30	64				
M978340		0.39	<10	<10	154	30	64				
M978341		0.37	<10	<10	148	10	65				
M978342		0.40	10	<10	158	10	275				
M978342D		0.40	<10	<10	159	10	277				
M978343		0.37	<10	<10	143	20	82				
M978343P		0.38	<10	<10	148	20	84				
M978344		0.41	<10	<10	165	10	201				
M978345		<0.01	<10	<10	2	<10	13				
M978346		0.25	<10	<10	94	20	985				
M978347		0.14	<10	10	48	20	362				25.7
M978348		0.38	<10	<10	152	10	226				
M978349		0.36	10	<10	144	10	200				
M978350		0.36	<10	<10	144	30	153				
M978351		0.35	10	<10	140	20	179				
M978352		0.38	<10	<10	202	10	61				
M978352D		0.37	10	<10	197	10	60				
M978353		0.39	<10	<10	168	10	63				
M978353P		0.39	<10	<10	171	10	63				
M978354		0.38	10	<10	207	20	61				
M978355		0.37	<10	<10	159	10	77				
M978356		0.28	<10	<10	117	10	187				

Comments: **Corrected Copy for Au- AA23 on Samples M978350 & M978351.** An additional Au- GRA21 check assay for sample M978347 report 6.92 ppm



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CERTIFICATE OF ANALYSIS TR12185117

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA23 Au g/t	Au- GRA21 Au g/t	ME- ICP61 Ag ppm	ME- ICP61 Al %	ME- ICP61 As ppm	ME- ICP61 Ba ppm	ME- ICP61 Be ppm	ME- ICP61 Bi ppm	ME- ICP61 Ca %	ME- ICP61 Cd ppm	ME- ICP61 Co ppm	ME- ICP61 Cr ppm	ME- ICP61 Cu ppm	ME- ICP61 Fe %
		0.02	0.005	0.05	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01
M978357		10.16	0.716		3.1	5.30	14	740	0.8	17	10.50	2.6	25	121	560	9.40
M978358		8.49	0.044		<0.5	7.86	11	880	1.5	7	2.04	<0.5	19	172	116	7.67
M978359		9.09	0.068		0.5	8.29	39	530	1.4	8	2.36	<0.5	16	151	87	10.10
M978360		0.11	7.74	7.49	13.0	5.82	48	170	0.6	<2	3.78	4.3	34	38	>10000	7.34
M978361		5.36	0.404		0.7	7.61	37	1070	1.1	10	2.18	<0.5	13	129	113	7.44
M978362		5.58	>10.0	16.20	36.3	3.09	164	160	0.5	76	1.62	2.4	138	68	3800	20.5
M978362D			>10.0	27.1	43.1	3.21	149	160	0.5	83	1.52	2.3	143	66	3700	21.2
M978363		5.20	0.960		2.9	8.24	19	530	2.0	8	2.44	<0.5	17	176	266	8.01
M978363P			1.080		3.1	8.47	24	550	2.1	8	2.60	<0.5	19	184	303	8.40
M978364		6.27	0.217		0.9	7.80	26	670	1.6	9	1.93	<0.5	17	188	217	6.40
M978365		5.86	0.023		<0.5	7.87	18	650	1.5	5	2.82	<0.5	20	224	94	6.17

Comments: **Corrected Copy for Au- AA23 on Samples M978350 & M978351.** An additional Au- GRA21 check assay for sample M978347 report 6.92 ppm



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Project: Bronson Creek

CERTIFICATE OF ANALYSIS TR12185117

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	
		Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
		10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20
M978357		20	2.08	10	2.69	2480	4	0.11	38	870	96	2.33	7	11	957	<20
M978358		20	4.02	10	3.12	691	<1	0.16	110	1250	10	1.13	<5	13	227	<20
M978359		20	2.92	10	3.38	1915	<1	0.17	100	1490	8	1.74	<5	14	222	<20
M978360		10	1.37	10	1.32	652	401	1.57	40	960	71	4.93	49	14	273	<20
M978361		20	3.36	10	2.68	1235	3	0.26	56	1140	15	1.10	<5	10	329	<20
M978362		10	0.71	10	1.78	2170	11	0.06	93	410	457	>10.0	<5	6	153	<20
M978362D		10	0.69	10	1.83	2060	11	0.07	97	430	498	>10.0	<5	6	158	<20
M978363		20	3.34	10	2.98	1080	3	0.12	85	1370	20	0.83	<5	14	303	<20
M978363P		20	3.43	10	3.17	1165	4	0.12	90	1440	23	0.92	<5	14	316	<20
M978364		20	3.85	10	2.41	853	5	0.39	110	1370	16	0.80	5	12	320	<20
M978365		20	3.83	10	2.55	795	<1	0.73	156	1400	12	0.80	6	13	411	<20

Comments: **Corrected Copy for Au- AA23 on Samples M978350 & M978351.** An additional Au- GRA21 check assay for sample M978347 report 6.92 ppm



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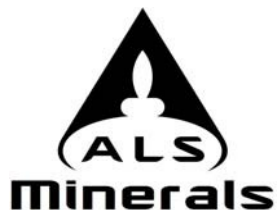
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CERTIFICATE OF ANALYSIS TR12185117

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	Ag- OG62	Cu- OG62	Pb- OG62	S- OG62
		Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ag ppm	Cu %	Pb %	S %
		0.01	10	10	1	10	2	1	0.001	0.001	0.01
M978357		0.26	<10	<10	114	20	381				
M978358		0.36	<10	<10	135	10	80				
M978359		0.40	<10	<10	151	10	103				
M978360		0.32	<10	<10	138	10	146		3.37		
M978361		0.34	<10	<10	121	10	86				
M978362		0.12	<10	<10	69	<10	467				13.20
M978362D		0.11	10	<10	67	<10	440				13.15
M978363		0.39	<10	<10	148	30	91				
M978363P		0.41	10	<10	154	30	101				
M978364		0.38	<10	<10	147	20	79				
M978365		0.40	10	<10	155	10	108				

Comments: **Corrected Copy for Au- AA23 on Samples M978350 & M978351.** An additional Au- GRA21 check assay for sample M978347 report 6.92 ppm



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CERTIFICATE TR12188084

Project: Bronson Creek
 P.O. No.: 54- 011401
 This report is for 26 Drill Core samples submitted to our lab in Terrace, BC, Canada on 10- AUG- 2012.
 The following have access to data associated with this certificate:

JENNIFER BURGESS JIM SPARLING	WILLIAM HAY JOHN ZBEETNOFF	SUSAN HENDERSON
----------------------------------	-------------------------------	-----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22d	Sample login - Rcd w/o BarCode dup
PUL- 32d	Pulverize Split - Dup 85% < 75um
BAG- 01	Bulk Master for Storage
SPL- 21d	Split sample - duplicate
SPL- 34	Pulp Splitting Charge
SPLIT- Z	Pulp split for send out
LOG- 23	Pulp Login - Rcvd with Barcode
LOG- 21	Sample logging - ClientBarCode
CRU- 31	Fine crushing - 70% < 2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 32	Pulverize 1000g to 85% < 75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Cu- OG62	Ore Grade Cu - Four Acid	VARIABLE
Au- AA23	Au 30g FA- AA finish	AAS
Au- GRA21	Au 30g FA- GRAV finish	WST- SIM
ME- ICP61	33 element four acid ICP- AES	ICP- AES

To: **SNIPGOLD CORP.**
ATTN: WILLIAM HAY
611 - 675 WEST HASTINGS ST.
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS TR12188084

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA23 Au g/t	Au- GRA21 Au g/t	ME- ICP61 Ag ppm	ME- ICP61 Al %	ME- ICP61 As ppm	ME- ICP61 Ba ppm	ME- ICP61 Be ppm	ME- ICP61 Bi ppm	ME- ICP61 Ca %	ME- ICP61 Cd ppm	ME- ICP61 Co ppm	ME- ICP61 Cr ppm	ME- ICP61 Cu ppm	ME- ICP61 Fe %
		0.02	0.005	0.05	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01
M982585		14.31	<0.005		<0.5	8.41	14	920	1.2	<2	4.04	0.7	15	28	39	5.25
M982586		12.36	0.008		<0.5	8.95	14	880	1.2	<2	2.74	0.5	17	29	45	5.62
M982587		12.56	0.019		<0.5	8.56	11	850	1.3	<2	3.73	0.7	15	31	46	5.24
M982588		12.64	0.009		<0.5	8.30	12	850	1.3	<2	6.24	0.6	15	29	42	5.10
M982589		12.36	0.006		<0.5	8.34	11	840	1.3	<2	3.89	0.6	15	27	42	5.22
M982590		0.10	0.602		97.5	7.49	57	1510	1.2	<2	2.58	55.2	12	21	4620	3.72
M982591		12.32	0.044		<0.5	8.75	11	1080	1.3	<2	3.54	0.7	17	32	48	5.53
M982592		12.33	0.006		<0.5	8.34	30	870	1.0	<2	3.23	0.6	24	102	42	5.88
M982593		12.20	<0.005		<0.5	8.03	23	420	1.0	<2	5.80	0.6	25	124	41	6.05
M982594		12.20	0.010		<0.5	7.79	18	800	1.1	<2	3.39	0.6	14	26	39	4.67
M982594d			0.010		<0.5	7.92	16	810	1.1	<2	3.34	<0.5	14	26	39	4.70
M982595		12.89	0.012		<0.5	7.89	12	670	1.3	<2	5.45	0.8	15	28	36	4.73
M982595p			0.020		<0.5	8.38	18	700	1.3	<2	5.54	0.7	16	27	39	5.00
M982596		12.70	0.007		<0.5	8.29	14	730	1.4	<2	5.45	0.5	15	26	37	4.68
M982597		11.72	0.008		<0.5	7.95	12	670	1.3	<2	5.64	0.6	14	27	34	4.67
M982598		11.37	0.010		<0.5	8.83	11	790	1.4	<2	4.05	<0.5	17	32	45	5.23
M982599		12.01	0.007		<0.5	8.94	7	810	1.4	<2	4.02	<0.5	18	31	44	5.43
M982600		0.10	7.56	7.96	12.4	5.87	41	490	0.6	14	3.85	4.2	34	39	>10000	7.43
M982601		10.62	0.008		<0.5	8.90	<5	800	1.3	<2	3.44	<0.5	16	31	66	5.32
M982602		8.23	0.008		<0.5	8.74	8	910	1.2	<2	4.05	<0.5	17	33	41	5.19
M982603		8.78	<0.005		<0.5	7.31	6	290	0.8	<2	3.82	<0.5	22	98	40	5.08
M982604		8.53	<0.005		<0.5	7.60	7	300	0.9	<2	3.90	<0.5	20	92	42	5.16
M982604d			0.010		<0.5	7.66	9	310	0.9	<2	3.91	<0.5	20	93	41	5.17
M982605		7.28	0.019		<0.5	8.36	10	1150	1.3	<2	3.57	<0.5	14	34	47	5.14
M982605p			0.021		<0.5	8.12	8	1130	1.3	2	3.54	<0.5	15	31	45	4.96
M982606		8.29	<0.005		<0.5	7.99	6	950	1.2	<2	3.56	<0.5	15	28	40	4.82



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CERTIFICATE OF ANALYSIS TR12188084

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	
		Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
		10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20
M982585		20	2.41	10	1.17	3370	1	1.05	25	910	13	1.01	5	19	308	<20
M982586		20	2.35	10	1.17	2940	<1	1.15	26	980	13	1.14	<5	21	288	<20
M982587		20	2.24	10	1.08	2960	<1	0.96	25	840	15	1.34	8	19	330	<20
M982588		20	2.21	10	1.01	3440	<1	1.00	28	1000	15	1.06	6	18	390	<20
M982589		20	2.10	10	1.07	3190	<1	1.18	29	840	14	1.10	6	18	322	<20
M982590		20	2.40	10	0.67	592	36	2.55	12	800	9540	1.57	153	7	675	<20
M982591		20	2.54	10	1.04	3200	<1	1.07	30	1000	20	1.23	8	20	283	<20
M982592		20	1.55	10	2.68	1905	<1	1.48	81	1180	11	0.69	7	21	303	<20
M982593		20	0.62	10	3.23	2190	<1	2.19	106	1400	9	0.37	<5	21	428	<20
M982594		20	2.21	10	1.03	2340	1	0.30	23	740	11	0.82	6	17	288	<20
M982594d		20	2.17	10	1.05	2300	1	0.30	24	740	12	0.81	8	17	291	<20
M982595		20	1.91	10	1.07	2560	1	1.33	29	950	14	0.94	9	17	356	<20
M982595p		20	1.97	10	1.12	2620	1	1.39	28	980	14	0.97	6	18	369	<20
M982596		20	1.81	10	1.09	2670	1	1.32	28	930	15	0.87	8	18	376	<20
M982597		20	1.75	10	1.02	3110	1	1.12	26	890	15	0.87	9	17	381	<20
M982598		20	1.88	10	1.16	3060	1	1.31	32	880	17	1.02	7	19	347	<20
M982599		20	1.98	10	1.12	3400	1	1.18	29	960	15	1.21	8	20	354	<20
M982600		10	1.38	10	1.35	682	413	1.56	44	990	78	5.06	60	14	279	<20
M982601		20	1.97	10	1.13	3250	1	1.06	28	910	17	1.36	6	20	320	<20
M982602		20	1.99	20	1.09	2950	2	0.54	25	980	17	1.05	8	21	258	<20
M982603		10	0.39	10	2.64	1490	1	1.39	74	1080	13	0.54	6	19	551	<20
M982604		20	0.66	10	2.16	1870	1	2.37	73	1160	12	0.93	12	20	577	<20
M982604d		20	0.67	10	2.16	1870	<1	2.37	72	1170	13	0.94	6	20	579	<20
M982605		20	2.54	10	1.27	2530	1	0.85	24	890	16	1.30	6	19	345	<20
M982605p		20	2.51	10	1.25	2500	1	0.82	26	870	14	1.25	7	19	339	<20
M982606		20	2.39	10	0.98	3350	1	0.05	24	900	15	1.31	5	18	274	<20



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CERTIFICATE OF ANALYSIS TR12188084

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	Cu- OG62
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Cu %
		0.01	10	10	1	10	2	0.001
M982585		0.42	<10	<10	133	<10	133	
M982586		0.45	<10	<10	141	<10	123	
M982587		0.42	<10	<10	136	<10	98	
M982588		0.41	<10	<10	132	<10	126	
M982589		0.40	<10	<10	131	<10	116	
M982590		0.23	<10	<10	77	40	7670	
M982591		0.44	<10	<10	140	<10	125	
M982592		0.50	<10	<10	160	<10	102	
M982593		0.54	<10	<10	174	<10	93	
M982594		0.39	<10	<10	136	<10	98	
M982594d		0.38	10	<10	134	<10	95	
M982595		0.40	<10	<10	122	<10	120	
M982595p		0.41	<10	<10	126	<10	125	
M982596		0.41	<10	<10	122	<10	125	
M982597		0.39	<10	<10	116	<10	117	
M982598		0.42	<10	<10	142	10	138	
M982599		0.43	<10	<10	139	<10	126	
M982600		0.32	<10	<10	142	10	153	3.29
M982601		0.43	<10	<10	139	<10	115	
M982602		0.45	<10	<10	148	<10	126	
M982603		0.40	<10	<10	143	<10	104	
M982604		0.45	<10	<10	155	<10	116	
M982604d		0.45	<10	<10	157	<10	116	
M982605		0.40	<10	<10	141	<10	98	
M982605p		0.40	<10	<10	140	<10	91	
M982606		0.37	<10	<10	129	<10	96	



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CERTIFICATE TR12189789

Project: Bronson Creek
 P.O. No.: 54- 011401
 This report is for 87 Drill Core samples submitted to our lab in Terrace, BC, Canada on 15- AUG- 2012.
 The following have access to data associated with this certificate:

JENNIFER BURGESS JIM SPARLING	WILLIAM HAY JOHN ZBEETNOFF	SUSAN HENDERSON
----------------------------------	-------------------------------	-----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22d	Sample login - Rcd w/o BarCode dup
PUL- 32d	Pulverize Split - Dup 85% < 75um
BAG- 01	Bulk Master for Storage
SPL- 21d	Split sample - duplicate
SPL- 34	Pulp Splitting Charge
SPLIT- Z	Pulp split for send out
LOG- 23	Pulp Login - Rcvd with Barcode
LOG- 21	Sample logging - ClientBarCode
CRU- 31	Fine crushing - 70% < 2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 32	Pulverize 1000g to 85% < 75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Cu- OG62	Ore Grade Cu - Four Acid	VARIABLE
Zn- OG62	Ore Grade Zn - Four Acid	VARIABLE
S- OG62	Ore Grade S- Four Acid	VARIABLE
Au- AA23	Au 30g FA- AA finish	AAS
Au- GRA21	Au 30g FA- GRAV finish	WST- SIM
ME- ICP61	33 element four acid ICP- AES	ICP- AES
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE

To: **SNIPGOLD CORP.**
ATTN: WILLIAM HAY
611 - 675 WEST HASTINGS ST.
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Comments: Additional Au- GRA21 result for sample M980207 is 1.67 ppm

Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS TR12189789

Sample Description	Method Analyte Units LOR	WEI- 21	Au- AA23	Au- GRA21	Au- GRA21	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	
		Recvd Wt. kg	Au g/t	Au g/t	Au Check g/t	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.005	0.05	0.05	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1
M978366		7.54	0.028			<0.5	8.29	48	1350	1.2	<2	2.31	<0.5	24	245	108
M978367		9.96	0.024			<0.5	7.77	70	900	1.1	<2	2.29	<0.5	29	175	97
M978368		10.73	0.006			<0.5	7.60	46	900	1.1	<2	2.24	<0.5	16	262	52
M978369		10.37	0.031			<0.5	7.33	31	960	1.0	<2	2.66	<0.5	14	240	93
M978370		6.70	<0.005			<0.5	7.55	29	620	1.1	<2	2.63	<0.5	11	239	27
M978371		7.87	<0.005			<0.5	7.27	48	1330	0.9	2	2.41	<0.5	14	264	37
M978372		10.67	0.009			<0.5	7.56	24	1040	0.8	<2	4.60	<0.5	16	257	52
M978373		12.02	0.013			<0.5	7.40	50	900	1.0	<2	4.26	<0.5	18	241	31
M978374		9.44	0.007			<0.5	7.68	11	930	0.8	<2	3.85	<0.5	26	259	237
M978375		0.12	1.220			4.4	5.65	20	570	0.6	<2	1.75	<0.5	13	51	>10000
M978376		6.70	<0.005			<0.5	7.53	31	1450	1.0	<2	3.61	<0.5	21	272	108
M978376d			<0.005			<0.5	7.47	26	1440	0.9	<2	3.56	<0.5	20	269	99
M978377		7.58	0.009			<0.5	7.74	58	1190	1.0	2	3.86	<0.5	27	288	44
M978377p			0.012			<0.5	7.62	63	1150	1.0	<2	3.83	<0.5	28	285	32
M978378		8.17	0.036			<0.5	7.65	84	970	1.1	<2	4.14	<0.5	38	351	236
M978379		8.10	0.012			<0.5	7.86	65	970	1.1	<2	4.02	<0.5	25	241	55
M978380		12.59	0.005			<0.5	8.07	64	1070	1.1	2	3.59	<0.5	24	226	68
M978381		12.29	0.017			<0.5	8.40	9	1000	1.2	<2	3.28	<0.5	20	193	101
M978382		11.70	0.020			<0.5	8.39	10	1140	1.2	<2	3.39	<0.5	23	183	178
M978383		11.66	0.009			<0.5	8.21	19	1060	1.3	<2	2.82	<0.5	22	141	56
M978384		10.19	0.006			<0.5	8.02	13	1170	1.3	<2	3.46	<0.5	19	162	69
M978385		6.23	<0.005			<0.5	7.89	9	1210	1.2	<2	3.97	<0.5	21	139	112
M978386		5.47	0.006			<0.5	7.68	14	1360	1.3	<2	3.78	<0.5	32	166	281
M978386d			0.006			<0.5	7.82	6	1390	1.3	<2	3.83	<0.5	33	169	286
M978387		6.99	0.006			<0.5	7.96	10	840	1.2	<2	2.82	<0.5	23	123	121
M978387p			0.008			<0.5	8.24	9	870	1.2	<2	2.87	<0.5	23	126	126
M978388		7.73	0.018			<0.5	7.94	22	980	1.2	<2	3.23	<0.5	20	140	146
M978389		11.31	0.023			<0.5	8.49	7	1180	1.3	<2	3.32	<0.5	21	122	80
M978390		0.11	0.631			99.5	7.63	53	1370	1.2	<2	2.38	54.8	14	22	4590
M978391		12.05	0.017			<0.5	8.50	<5	630	1.4	<2	3.43	<0.5	18	62	138
M978392		11.73	0.071			<0.5	7.81	10	860	1.3	<2	3.42	<0.5	19	155	180
M978393		8.46	0.100			<0.5	7.91	15	1190	1.1	<2	3.54	<0.5	20	213	324
M978394		8.07	0.585			<0.5	8.18	36	570	1.2	<2	3.10	<0.5	21	232	29
M978395		8.05	0.011			<0.5	7.86	46	450	1.2	<2	4.40	<0.5	27	316	33
M978396		8.41	0.054			<0.5	5.79	74	160	1.1	<2	6.82	<0.5	61	650	36
M978396d			0.060			<0.5	5.78	80	160	1.2	<2	6.84	<0.5	60	692	37
M978397		11.09	0.007			<0.5	8.08	7	580	1.3	<2	3.65	<0.5	22	191	84
M978397p			0.010			<0.5	8.08	12	580	1.3	<2	3.73	<0.5	22	190	83
M978398		10.51	0.005			<0.5	8.21	6	500	1.2	<2	2.59	<0.5	22	191	118
M978399		10.64	<0.005			<0.5	7.88	8	570	1.3	<2	2.93	<0.5	24	232	108

Comments: Additional Au- GRA21 result for sample M980207 is 1.67 ppm



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Sample Description	Method	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	
	Analyte Units LOR	Fe %	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		0.01	10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1
M978366		6.46	20	4.00	10	2.93	879	2	1.85	143	1500	11	1.12	<5	16	449
M978367		5.77	20	2.61	10	3.84	1010	1	2.39	144	950	10	0.59	<5	17	465
M978368		4.22	20	2.09	10	2.89	716	1	3.63	132	1120	8	0.24	<5	12	402
M978369		4.13	10	2.19	10	2.76	718	1	3.84	141	1010	3	0.21	<5	11	417
M978370		4.25	20	1.89	10	3.05	658	<1	3.78	117	1170	6	0.13	<5	12	474
M978371		3.89	20	2.72	10	2.51	586	1	3.47	173	790	3	0.33	<5	10	407
M978372		3.92	20	2.26	10	2.67	714	<1	3.50	164	740	6	0.32	<5	13	522
M978373		4.44	20	2.04	10	3.52	729	2	3.15	183	980	8	0.21	<5	12	454
M978374		4.64	20	2.23	10	2.81	695	<1	3.75	164	770	7	0.73	<5	12	474
M978375		3.77	10	0.97	10	0.91	592	496	1.96	34	570	10	0.92	<5	11	239
M978376		4.50	10	2.21	10	3.29	780	<1	3.37	197	950	3	0.38	<5	12	536
M978376d		4.42	10	2.19	10	3.25	764	<1	3.32	195	950	5	0.37	<5	12	528
M978377		4.64	20	2.70	10	3.69	894	1	2.87	217	1080	2	0.15	<5	13	514
M978377p		4.49	20	2.66	10	3.59	879	<1	2.81	208	1050	2	0.12	<5	12	498
M978378		6.42	20	2.24	10	3.88	1055	<1	2.53	279	1170	<2	0.86	<5	13	669
M978379		5.11	20	2.32	10	3.82	994	<1	2.93	194	1240	<2	0.25	<5	14	519
M978380		4.65	20	2.58	10	3.47	807	<1	3.16	156	1320	<2	0.20	<5	13	508
M978381		4.74	20	2.50	10	3.20	731	<1	3.45	130	1410	3	0.33	<5	14	529
M978382		5.38	20	2.44	10	3.28	814	<1	3.33	122	1610	<2	0.59	<5	13	612
M978383		5.11	20	2.26	10	3.13	774	<1	3.59	90	1730	<2	0.23	<5	12	588
M978384		4.84	20	2.88	10	2.93	885	1	3.03	113	1630	<2	0.23	<5	12	722
M978385		4.92	20	3.01	10	2.75	858	1	2.74	100	1600	<2	0.38	<5	12	847
M978386		5.80	20	3.04	10	2.73	848	1	2.58	126	1530	<2	1.04	5	12	715
M978386d		5.91	20	3.12	10	2.79	860	1	2.63	127	1580	<2	1.07	<5	12	733
M978387		4.95	20	2.65	10	2.74	706	<1	3.28	93	1680	<2	0.25	<5	12	630
M978387p		5.08	20	2.74	10	2.81	722	<1	3.34	98	1730	<2	0.26	<5	13	642
M978388		4.98	20	2.66	10	2.63	722	2	2.88	85	1650	<2	0.26	<5	13	675
M978389		5.29	20	2.62	10	3.13	863	<1	3.15	70	1750	5	0.32	<5	14	771
M978390		3.71	20	2.27	10	0.68	585	36	2.54	9	810	9490	1.60	152	7	677
M978391		4.88	20	1.88	10	3.08	667	<1	3.32	45	1980	5	0.21	<5	12	651
M978392		5.03	20	2.44	10	3.22	841	1	2.89	106	1560	3	0.31	<5	13	660
M978393		5.30	20	2.60	10	3.35	835	<1	2.72	156	1340	<2	0.38	<5	13	677
M978394		5.52	20	2.50	10	4.34	748	<1	2.71	153	1460	<2	0.12	<5	13	499
M978395		6.01	20	1.99	10	5.63	977	<1	2.08	237	1500	<2	0.11	<5	16	486
M978396		7.25	20	0.98	10	8.58	1310	<1	0.50	568	1580	<2	0.34	<5	22	246
M978396d		7.25	10	0.98	10	8.56	1320	<1	0.50	570	1560	<2	0.34	<5	22	246
M978397		4.89	20	1.91	10	3.86	796	<1	2.78	143	1220	<2	0.23	<5	13	639
M978397p		4.93	20	1.88	10	3.89	808	1	2.77	147	1210	<2	0.24	<5	13	641
M978398		5.27	20	2.39	10	3.79	629	<1	2.96	129	1520	<2	0.21	<5	13	680
M978399		5.08	20	2.23	10	3.49	664	<1	2.81	136	1480	<2	0.22	<5	13	685

Comments: Additional Au- GRA21 result for sample M980207 is 1.67 ppm



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CERTIFICATE OF ANALYSIS TR12189789

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	Ag- OG62	Cu- OG62	Zn- OG62	S- OG62
		Th	Ti	Tl	U	V	W	Zn	Ag	Cu	Zn	S
		ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
		20	0.01	10	10	1	10	2	1	0.001	0.001	0.01
M978366		<20	0.49	<10	<10	188	10	100				
M978367		<20	0.44	<10	<10	181	<10	83				
M978368		<20	0.39	<10	<10	150	<10	58				
M978369		<20	0.35	<10	<10	135	<10	48				
M978370		<20	0.39	<10	<10	159	<10	50				
M978371		<20	0.31	<10	<10	114	<10	45				
M978372		<20	0.32	<10	<10	125	<10	49				
M978373		<20	0.35	<10	<10	140	<10	62				
M978374		<20	0.32	<10	<10	126	<10	55				
M978375		<20	0.27	<10	<10	84	30	84		1.250		
M978376		<20	0.35	<10	<10	135	<10	54				
M978376d		<20	0.35	10	<10	135	<10	54				
M978377		<20	0.35	<10	<10	145	<10	86				
M978377p		<20	0.35	<10	<10	143	<10	71				
M978378		<20	0.38	<10	<10	152	<10	73				
M978379		<20	0.40	<10	<10	155	<10	61				
M978380		<20	0.40	<10	<10	155	<10	54				
M978381		<20	0.42	<10	<10	167	<10	53				
M978382		<20	0.48	<10	<10	188	<10	58				
M978383		<20	0.49	<10	<10	191	<10	57				
M978384		<20	0.44	<10	<10	172	<10	60				
M978385		<20	0.41	<10	<10	168	<10	59				
M978386		<20	0.40	<10	<10	158	<10	59				
M978386d		<20	0.40	<10	<10	161	<10	60				
M978387		<20	0.43	<10	<10	172	<10	60				
M978387p		<20	0.44	<10	<10	177	<10	61				
M978388		<20	0.45	<10	<10	181	<10	57				
M978389		<20	0.47	<10	<10	192	<10	67				
M978390		<20	0.23	10	<10	77	40	7570				
M978391		<20	0.43	10	<10	172	<10	59				
M978392		<20	0.45	10	<10	181	<10	63				
M978393		<20	0.41	<10	<10	162	<10	67				
M978394		<20	0.42	<10	<10	165	<10	72				
M978395		<20	0.41	<10	<10	167	<10	79				
M978396		<20	0.37	10	<10	172	<10	91				
M978396d		<20	0.37	<10	<10	172	<10	91				
M978397		<20	0.39	<10	<10	152	<10	53				
M978397p		<20	0.39	<10	<10	154	<10	53				
M978398		<20	0.44	<10	<10	174	<10	59				
M978399		<20	0.43	<10	<10	169	<10	58				

Comments: Additional Au- GRA21 result for sample M980207 is 1.67 ppm



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CERTIFICATE OF ANALYSIS TR12189789

Sample Description	Method Analyte Units LOR	WEI- 21	Au- AA23	Au- GRA21	Au- GRA21	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61
		Recvd Wt. kg	Au g/t	Au g/t	Au Check g/t	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.005	0.05	0.05	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1
M978400		0.12	7.51	7.80		13.5	6.27	51	110	0.7	<2	4.10	4.0	38	42	>10000
M978401		9.89	<0.005			<0.5	7.99	7	880	1.3	<2	3.51	<0.5	19	187	98
M978402		9.31	<0.005			<0.5	8.12	5	800	1.3	<2	2.83	<0.5	23	151	144
M978403		8.50	<0.005			<0.5	8.07	6	710	1.2	<2	2.11	<0.5	22	114	79
M980201		6.12	0.308			1.3	7.18	138	130	1.8	<2	2.49	2.7	74	99	77
M980202		6.42	0.207			4.1	7.79	116	740	1.2	9	1.27	4.0	11	124	281
M980203		6.07	0.271			5.0	8.11	71	720	1.2	7	1.35	1.1	12	128	728
M980203d			0.275			5.1	7.86	83	710	1.2	8	1.32	1.0	12	127	694
M980204		5.86	0.120			2.1	8.15	113	680	1.1	<2	0.45	3.2	10	115	249
M980204p			0.125			2.0	8.20	120	680	1.1	2	0.46	3.3	11	111	246
M980205		3.83	0.571			21.9	6.83	266	360	1.0	129	1.71	9.1	13	132	2950
M980206		6.11	0.286			26.0	7.64	205	410	1.1	121	1.07	10.4	9	140	1680
M980207		4.78	1.510	1.67		83.1	5.64	773	310	0.8	32	0.20	24.2	36	150	>10000
M980208		3.52	1.275			>100	5.16	581	290	0.8	42	0.24	42.9	21	119	>10000
M980209		4.65	0.618			23.4	6.85	623	100	1.0	27	0.66	11.3	50	125	3170
M980210		6.14	0.178			7.2	7.51	193	290	1.1	26	1.06	0.8	16	99	843
M980211		6.51	0.109			6.8	7.61	164	590	1.0	13	1.60	0.6	17	66	879
M980212		4.43	0.076			5.5	7.90	201	380	0.9	24	1.63	0.6	33	95	147
M980213		6.17	0.313			17.3	7.37	307	70	0.9	28	0.95	47.7	17	156	154
M980213d			0.315			16.3	7.25	298	70	0.9	28	0.94	47.3	16	156	154
M980214		5.68	0.062			2.4	8.10	85	1070	1.0	5	2.07	<0.5	19	175	76
M980214p			0.074			2.5	7.82	88	1030	0.9	8	1.97	<0.5	20	165	86
M980215		0.12	1.325			5.0	5.51	19	590	0.7	<2	1.78	<0.5	13	54	>10000
M980216		6.18	0.079			4.0	8.08	120	1060	1.0	13	1.70	0.8	24	164	229
M980217		2.21	0.483			22.9	6.46	387	390	0.8	41	1.26	138.5	22	144	1330
M980218		5.93	0.161			6.0	7.60	169	510	0.9	9	1.12	19.0	18	177	259
M980219		5.83	0.072			2.9	8.01	54	1230	1.1	7	2.89	4.3	16	149	97
M980220		6.41	0.097			3.4	8.32	75	1320	1.1	5	2.32	9.5	26	204	245
M980221		4.99	0.164			3.9	8.16	112	800	1.1	7	1.25	1.7	24	204	382
M980222		4.59	3.04	1.58	5.69	79.7	6.54	305	170	0.8	104	0.29	36.5	33	176	4420
M980223		5.25	0.544			16.7	7.53	177	130	0.7	41	1.47	2.8	48	167	274
M980223d			0.544			17.8	7.83	174	140	0.7	41	1.49	2.7	49	166	286
M980224		5.51	1.790			100	7.15	204	130	0.8	265	1.22	113.5	16	160	3690
M980224p			1.515			98.9	7.29	211	100	0.8	262	1.20	100.0	17	160	3420
M980225		5.05	0.169			6.4	7.89	43	1900	1.0	16	1.71	2.5	10	145	337
M980226		6.07	0.103			3.2	8.05	55	2320	0.8	12	1.77	0.6	4	183	191
M980227		6.37	0.084			3.2	8.14	60	2240	0.7	10	1.88	0.8	10	114	188
M980228		7.95	0.314			5.5	8.11	108	340	0.8	14	1.68	4.3	22	83	159
M980229		3.76	0.071			2.0	8.10	88	1150	0.8	4	1.86	<0.5	12	148	142
M980230		0.11	0.601			>100	7.51	51	1260	1.2	2	2.42	57.1	12	23	4630

Comments: Additional Au- GRA21 result for sample M980207 is 1.67 ppm



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CERTIFICATE OF ANALYSIS TR12189789

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	
		Fe %	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		0.01	10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1
M978400		7.64	10	1.44	10	1.43	721	416	1.65	42	1010	73	5.36	49	14	282
M978401		4.92	20	1.94	10	3.42	763	<1	3.07	113	1420	<2	0.22	<5	13	645
M978402		5.12	20	2.16	10	3.17	690	1	3.41	91	1780	<2	0.35	<5	13	657
M978403		5.00	20	2.25	10	3.29	569	<1	3.38	64	1930	<2	0.12	<5	12	772
M980201		6.40	20	2.25	<10	2.22	2120	1	0.31	62	660	26	6.55	<5	10	170
M980202		4.12	20	3.13	10	2.50	1475	<1	0.09	74	730	93	1.78	<5	9	96
M980203		4.15	20	3.09	10	2.98	1610	<1	0.09	82	810	125	1.36	5	10	94
M980203d		4.10	20	3.01	10	2.92	1580	<1	0.08	82	800	128	1.34	<5	10	92
M980204		4.68	20	2.92	20	3.38	1610	<1	0.07	77	930	61	1.06	<5	12	51
M980204p		4.80	20	2.89	20	3.41	1635	<1	0.07	80	930	64	1.15	<5	12	51
M980205		6.96	20	2.60	10	2.68	2230	1	0.06	86	780	356	4.54	6	11	80
M980206		7.31	30	3.29	20	2.63	1890	1	0.07	96	990	198	5.24	<5	14	69
M980207		15.15	20	2.85	10	0.56	220	<1	0.08	62	590	605	>10.0	32	10	38
M980208		12.50	20	2.58	30	0.46	390	<1	0.08	52	600	1010	>10.0	39	11	40
M980209		11.45	20	3.27	20	1.53	985	<1	0.08	67	880	301	>10.0	5	11	60
M980210		7.28	20	3.31	20	2.89	1525	<1	0.08	91	1170	113	5.20	<5	13	83
M980211		5.92	20	3.60	30	2.92	1685	<1	0.08	66	1580	72	3.48	<5	12	137
M980212		6.39	20	3.97	20	2.95	1800	1	0.09	87	1610	72	4.12	<5	13	156
M980213		10.35	20	3.52	10	2.47	1250	<1	0.08	106	1320	1470	9.35	5	13	110
M980213d		10.10	20	3.50	10	2.45	1245	<1	0.07	107	1280	1370	9.10	<5	13	108
M980214		5.30	20	3.89	20	3.37	2270	1	0.55	113	1530	47	1.81	<5	14	250
M980214p		5.26	20	3.75	20	3.24	2150	<1	0.52	112	1470	46	1.96	<5	13	241
M980215		3.90	10	0.96	10	0.92	634	514	2.01	35	590	10	0.94	<5	11	248
M980216		6.18	20	3.63	20	3.77	2200	<1	0.12	126	1460	107	2.21	<5	14	194
M980217		11.55	20	2.67	10	3.09	1760	<1	0.06	108	1110	855	>10.0	<5	14	171
M980218		7.25	20	3.49	10	3.12	1350	<1	0.07	134	1350	229	4.00	5	14	230
M980219		5.08	20	4.25	20	3.38	2810	<1	0.15	117	1440	176	1.15	<5	14	428
M980220		6.10	20	4.19	10	3.68	2910	20	0.09	166	1510	127	2.45	<5	15	256
M980221		5.81	20	4.48	10	3.07	1635	10	0.09	181	1470	50	3.52	<5	15	128
M980222		14.30	20	3.53	10	0.57	134	10	0.08	106	1160	1215	>10.0	<5	18	42
M980223		7.41	20	4.58	10	1.82	1020	1	0.08	132	1390	201	6.65	5	13	188
M980223d		7.61	20	4.72	20	1.87	1025	1	0.09	137	1440	200	6.88	<5	13	194
M980224		8.84	20	4.34	10	1.83	1045	5	0.07	81	1270	1075	9.10	7	14	186
M980224p		8.56	20	4.41	10	1.83	1005	4	0.07	83	1290	1080	8.81	5	14	183
M980225		3.46	20	4.81	10	2.53	1090	3	0.19	94	1230	83	1.05	<5	13	284
M980226		3.80	20	4.88	10	2.81	1090	7	0.17	121	1450	44	1.34	<5	15	315
M980227		3.86	20	4.33	10	2.86	1175	<1	0.46	73	1750	61	1.52	<5	14	378
M980228		5.25	20	4.65	10	2.74	1145	<1	0.53	86	1780	116	3.29	6	16	320
M980229		4.81	20	4.50	10	2.92	1195	<1	0.11	107	1360	62	2.33	6	14	250
M980230		3.82	20	2.24	10	0.71	590	36	2.59	10	830	9750	1.60	148	7	686

Comments: Additional Au- GRA21 result for sample M980207 is 1.67 ppm



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Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	Ag- OG62	Cu- OG62	Zn- OG62	S- OG62
		Th	Ti	Tl	U	V	W		Ag	Cu	Zn	S
		ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
		20	0.01	10	10	1	10	2	1	0.001	0.001	0.01
M978400		<20	0.34	<10	<10	149	<10	150		3.24		
M978401		<20	0.43	<10	<10	170	<10	57				
M978402		<20	0.50	<10	<10	200	<10	58				
M978403		<20	0.46	<10	<10	181	<10	77				
M980201		<20	0.14	<10	<10	91	<10	469				
M980202		<20	0.17	<10	<10	93	<10	764				
M980203		<20	0.19	<10	<10	105	<10	405				
M980203d		<20	0.18	<10	<10	102	<10	389				
M980204		<20	0.19	<10	<10	114	10	651				
M980204p		<20	0.19	<10	<10	111	10	645				
M980205		<20	0.16	<10	10	107	<10	1570				
M980206		<20	0.20	<10	10	142	10	1935				
M980207		<20	0.14	<10	10	106	<10	3780		1.150		16.80
M980208		<20	0.11	<10	10	94	<10	6720	102	1.760		13.90
M980209		<20	0.16	<10	20	118	<10	1715				11.40
M980210		<20	0.20	<10	<10	133	10	287				
M980211		<20	0.21	<10	10	151	<10	250				
M980212		<20	0.23	<10	<10	151	<10	248				
M980213		<20	0.19	<10	<10	134	<10	7420				
M980213d		<20	0.19	<10	<10	134	<10	7380				
M980214		<20	0.26	<10	<10	152	<10	252				
M980214p		<20	0.25	10	<10	143	<10	232				
M980215		<20	0.27	<10	<10	89	40	86		1.285		
M980216		<20	0.25	<10	<10	148	<10	378				
M980217		<20	0.18	10	10	133	20	>10000			2.37	10.75
M980218		<20	0.22	<10	<10	153	<10	3130				
M980219		<20	0.32	<10	<10	146	10	894				
M980220		<20	0.29	<10	<10	181	<10	1865				
M980221		<20	0.29	<10	<10	219	10	486				
M980222		<20	0.16	<10	<10	172	<10	6160				16.75
M980223		<20	0.23	<10	10	143	10	556				
M980223d		<20	0.24	<10	<10	144	<10	532				
M980224		<20	0.23	<10	<10	143	<10	>10000	97		1.930	
M980224p		<20	0.23	<10	10	149	<10	>10000			1.685	
M980225		<20	0.33	<10	<10	144	10	416				
M980226		<20	0.35	10	10	176	10	277				
M980227		<20	0.39	<10	<10	181	10	331				
M980228		<20	0.39	<10	<10	201	<10	631				
M980229		<20	0.36	<10	10	149	10	253				
M980230		<20	0.23	10	<10	79	<10	7660	104			

Comments: Additional Au- GRA21 result for sample M980207 is 1.67 ppm



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Project: Bronson Creek

CERTIFICATE OF ANALYSIS TR12189789

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA23 Au g/t	Au- GRA21 Au g/t	Au- GRA21 Au Check g/t	ME- ICP61 Ag ppm	ME- ICP61 Al %	ME- ICP61 As ppm	ME- ICP61 Ba ppm	ME- ICP61 Be ppm	ME- ICP61 Bi ppm	ME- ICP61 Ca %	ME- ICP61 Cd ppm	ME- ICP61 Co ppm	ME- ICP61 Cr ppm	ME- ICP61 Cu ppm
		0.02	0.005	0.05	0.05	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1
M980231		5.53	0.355			38.3	7.13	79	680	1.1	81	3.00	20.7	22	152	278
M980232		4.03	0.059			1.0	7.66	33	1650	1.4	2	2.02	2.9	14	147	91
M980233		5.06	0.606			2.4	7.58	61	310	0.8	6	0.94	3.3	32	197	430
M980233d			0.664			2.7	7.83	64	330	0.8	5	0.97	3.1	33	204	437
M980234		5.47	0.651			4.2	7.57	62	980	0.7	6	1.48	1.3	37	148	969
M980234p			0.705			4.4	7.50	57	1050	0.7	4	1.38	1.0	39	144	946
M980235		6.16	0.113			2.2	7.47	43	2160	1.1	6	2.66	3.1	10	155	152

Comments: Additional Au- GRA21 result for sample M980207 is 1.67 ppm



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Project: Bronson Creek

CERTIFICATE OF ANALYSIS TR12189789

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	
		Fe %	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		0.01	10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1
M980231		5.90	20	4.51	10	2.87	1925	<1	0.07	141	1300	2060	2.91	5	13	277
M980232		3.94	20	4.63	10	2.24	1180	<1	0.08	105	1310	46	0.99	<5	14	226
M980233		7.73	20	4.58	10	2.74	1110	3	0.07	141	1380	34	3.56	<5	14	119
M980233d		8.11	20	4.65	10	2.86	1150	3	0.07	146	1450	36	3.77	<5	14	125
M980234		7.58	20	5.05	10	2.28	1175	4	0.06	139	1090	52	4.90	<5	13	192
M980234p		7.52	20	4.85	10	2.25	1100	3	0.06	136	1070	48	4.95	<5	13	187
M980235		4.43	20	4.88	10	2.63	1460	1	0.28	112	1270	133	1.58	<5	12	358

Comments: Additional Au- GRA21 result for sample M980207 is 1.67 ppm



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Project: Bronson Creek

CERTIFICATE OF ANALYSIS TR12189789

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	Ag- OG62	Cu- OG62	Zn- OG62	S- OG62
		Th	Ti	Tl	U	V	W	Zn	Ag	Cu	Zn	S
		ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
		20	0.01	10	10	1	10	2	1	0.001	0.001	0.01
M980231		<20	0.33	<10	<10	142	<10	3850				
M980232		<20	0.35	<10	<10	143	<10	541				
M980233		<20	0.39	<10	10	153	10	679				
M980233d		<20	0.40	<10	<10	159	<10	683				
M980234		<20	0.33	10	<10	136	<10	327				
M980234p		<20	0.32	10	<10	130	<10	298				
M980235		<20	0.37	<10	<10	140	<10	481				

Comments: Additional Au- GRA21 result for sample M980207 is 1.67 ppm



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CERTIFICATE TR12190000

Project: Bronson Creek
 P.O. No.: 54- 011401
 This report is for 9 Drill Core samples submitted to our lab in Terrace, BC, Canada on 15- AUG- 2012.
 The following have access to data associated with this certificate:

JENNIFER BURGESS JIM SPARLING	WILLIAM HAY JOHN ZBEETNOFF	SUSAN HENDERSON
----------------------------------	-------------------------------	-----------------

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

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Cu- OG62	Ore Grade Cu - Four Acid	VARIABLE
Pb- OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn- OG62	Ore Grade Zn - Four Acid	VARIABLE
S- OG62	Ore Grade S- Four Acid	VARIABLE
Au- AA23	Au 30g FA- AA finish	AAS
Au- GRA21	Au 30g FA- GRAV finish	WST- SIM
ME- ICP61	33 element four acid ICP- AES	ICP- AES
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE

To: **SNIPGOLD CORP.**
ATTN: WILLIAM HAY
611 - 675 WEST HASTINGS ST.
VANCOUVER BC V6B 1N2

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

Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager

Comments: ****Corrected Copy for Cu- OG62 on Sample M980275.**** An additional Au- GRA21 check assay for sample M980276 report 11.25 ppm



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Project: Bronson Creek

CERTIFICATE OF ANALYSIS TR12190000

Sample Description	Method Analyte Units LOR	WEI- 21	Au- AA23	Au- GRA21	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	
		Recvd Wt. kg	Au g/t	Au g/t	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.05	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01
M980273		4.11	0.229		3.6	8.80	39	2200	1.0	4	1.59	10.1	5	32	200	6.17
M980274		3.91	1.405		9.6	8.85	77	320	1.1	2	1.13	18.6	4	26	558	7.96
M980275		0.11	1.300		5.5	5.56	18	620	0.7	6	1.74	<0.5	13	52	>10000	3.96
M980276		3.45	7.57	15.55	>100	1.00	503	260	<0.5	105	3.09	643	136	6	5160	20.1
M980277		5.47	1.060		2.9	8.57	47	2060	1.0	<2	2.04	4.2	8	20	290	4.72
M980278		4.54	0.257		7.5	9.15	36	720	1.3	3	1.87	32.8	10	22	196	5.44
M980279		4.97	>10.0	39.9	44.7	1.26	95	240	<0.5	12	2.31	205	311	8	2180	30.8
M980280		4.01	1.490		3.8	7.83	43	100	1.1	4	1.93	3.6	25	67	271	7.95
M980281		0.17	>10.0	22.2	3.6	2.83	9540	780	0.6	8	1.95	1.4	16	71	109	3.50

Comments: **Corrected Copy for Cu- OG62 on Sample M980275.** An additional Au- GRA21 check assay for sample M980276 report 11.25 ppm



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Project: Bronson Creek

CERTIFICATE OF ANALYSIS TR12190000

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	
		Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
		10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20
M980273		30	5.00	30	2.45	1965	1	0.24	8	1770	904	1.54	7	22	222	<20
M980274		30	5.25	20	2.39	1650	1	0.08	4	1590	3080	3.75	15	18	158	<20
M980275		10	0.99	10	0.90	631	543	2.01	36	610	15	1.02	<5	11	254	<20
M980276		10	0.46	<10	0.48	1605	3	0.01	9	1220	>10000	>10.0	69	12	267	<20
M980277		20	4.10	10	1.72	1705	1	1.96	5	1060	332	1.78	9	13	363	<20
M980278		30	5.23	20	1.64	1455	1	0.68	7	1100	2020	3.01	10	14	262	<20
M980279		10	0.72	50	0.52	1435	2	0.02	10	260	9830	>10.0	31	8	223	<20
M980280		20	3.69	20	1.23	813	1	1.70	34	1220	307	7.13	13	14	380	<20
M980281		10	0.93	10	0.60	531	37	0.55	46	230	1210	0.89	9	8	90	<20

Comments: **Corrected Copy for Cu- OG62 on Sample M980275.** An additional Au- GRA21 check assay for sample M980276 report 11.25 ppm



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Project: Bronson Creek

CERTIFICATE OF ANALYSIS TR12190000

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	Ag- OG62	Cu- OG62	Pb- OG62	Zn- OG62	S- OG62
		Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ag ppm	Cu %	Pb %	Zn %	S %
		0.01	10	10	1	10	2	1	0.001	0.001	0.001	0.01
M980273		0.50	<10	<10	250	<10	2040					
M980274		0.50	<10	<10	268	<10	3280					
M980275		0.27	<10	<10	91	40	93		1.280			
M980276		0.02	<10	<10	28	20	>10000	139		2.27	12.10	28.9
M980277		0.34	<10	<10	176	<10	996					
M980278		0.38	<10	<10	176	10	6160					
M980279		0.04	<10	<10	68	10	>10000				3.63	36.7
M980280		0.28	<10	<10	180	<10	685					
M980281		0.10	<10	<10	68	<10	281					

Comments: **Corrected Copy for Cu- OG62 on Sample M980275.** An additional Au- GRA21 check assay for sample M980276 report 11.25 ppm



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CERTIFICATE TR12193406

Project: Bronson Creek
 P.O. No.: 54- 011401
 This report is for 1 Crushed Core sample submitted to our lab in Terrace, BC, Canada on 20- AUG- 2012.
 The following have access to data associated with this certificate:

JENNIFER BURGESS JIM SPARLING	WILLIAM HAY JOHN ZBEETNOFF	SUSAN HENDERSON
----------------------------------	-------------------------------	-----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND- 03	Find Reject for Addn Analysis
BAG- 01	Bulk Master for Storage
SPL- 21	Split sample - riffle splitter
PUL- 32	Pulverize 1000g to 85% < 75 um
SCR- 21	Screen to - 100 to 106 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- SCR21	Au Screen Fire Assay - 100 to 106 um	WST- SIM
Au- AA25	Ore Grade Au 30g FA AA finish	AAS
Au- AA25D	Ore Grade Au 30g FA AA Dup	AAS

To: **SNIPGOLD CORP.**
ATTN: WILLIAM HAY
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Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: Bronson Creek

CERTIFICATE OF ANALYSIS TR12193406

Sample Description	Method Analyte Units LOR	Au- SCR21 Au Total g/t	Au- SCR21 Au (+) F g/t	Au- SCR21 Au (-) F g/t	Au- SCR21 Au (+) m mg	Au- SCR21 WT. + Fr g	Au- SCR21 WT. - Fr g	Au- AA25 Au g/t	Au- AA25D Au g/t
M982503		5.66	65.3	4.13	1.547	23.68	924.1	4.14	4.12



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CERTIFICATE TR12194150

Project: Bronson Creek
 P.O. No.: 54- 011401
 This report is for 79 Drill Core samples submitted to our lab in Terrace, BC, Canada on 20- AUG- 2012.
 The following have access to data associated with this certificate:

JENNIFER BURGESS JIM SPARLING	WILLIAM HAY JOHN ZBEETNOFF	SUSAN HENDERSON
----------------------------------	-------------------------------	-----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22d	Sample login - Rcd w/o BarCode dup
PUL- 32d	Pulverize Split - Dup 85% < 75um
BAG- 01	Bulk Master for Storage
SPL- 21d	Split sample - duplicate
SPL- 34	Pulp Splitting Charge
SPLIT- Z	Pulp split for send out
LOG- 23	Pulp Login - Rcvd with Barcode
LOG- 21	Sample logging - ClientBarCode
CRU- 31	Fine crushing - 70% < 2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 32	Pulverize 1000g to 85% < 75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Cu- OG62	Ore Grade Cu - Four Acid	VARIABLE
Zn- OG62	Ore Grade Zn - Four Acid	VARIABLE
S- OG62	Ore Grade S- Four Acid	VARIABLE
Au- AA23	Au 30g FA- AA finish	AAS
Au- GRA21	Au 30g FA- GRAV finish	WST- SIM
ME- ICP61	33 element four acid ICP- AES	ICP- AES
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE

To: **SNIPGOLD CORP.**
ATTN: WILLIAM HAY
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Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS TR12194150

Sample Description	Method	WEI- 21	Au- AA23	Au- GRA21	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units		kg	g/t	g/t	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR		0.02	0.005	0.05	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01
M980236		6.62	0.123		2.4	7.12	39	890	0.8	3	2.30	0.6	9	140	204	5.06
M980237		6.45	0.094		1.5	7.14	20	290	0.8	<2	2.95	0.5	7	158	81	5.75
M980238		5.96	0.052		1.5	7.44	32	1800	0.8	<2	2.84	1.6	15	156	116	4.20
M980239		6.29	0.039		1.7	7.31	25	2030	0.8	<2	2.69	<0.5	14	131	67	3.58
M980240		3.77	0.057		2.6	7.91	30	2410	0.9	2	2.58	13.7	10	181	100	4.81
M980241		5.58	0.316		20.3	7.03	29	870	1.1	14	4.82	27.2	7	118	1110	4.65
M980242		6.39	0.039		2.8	7.82	41	2020	0.9	<2	2.84	6.1	13	172	97	4.80
M980243		6.00	0.362		3.3	7.62	36	2210	0.8	2	2.74	20.9	8	171	107	5.00
M980244		4.32	0.178		4.7	8.06	47	1220	0.9	<2	1.93	40.8	2	129	142	6.44
M980245		0.54	<0.005		<0.5	0.12	<5	40	<0.5	<2	18.9	<0.5	<1	<1	2	0.47
M980246		4.33	0.232		3.4	8.20	66	670	0.9	4	1.92	17.1	2	165	211	6.41
M980246d			0.168		3.9	8.30	72	690	1.0	5	1.95	17.1	2	167	223	6.53
M980247		3.63	4.30	4.54	69.2	5.04	344	210	0.7	66	0.78	157.0	49	183	1435	15.85
M980247p			4.42	4.44	67.1	4.95	322	340	0.7	65	0.77	157.5	48	183	1400	15.50
M980248		3.02	1.740		54.8	3.20	514	160	<0.5	75	0.97	13.5	259	185	960	30.3
M980249		3.51	0.224		8.2	6.31	195	230	0.7	6	0.31	49.1	14	330	434	10.90
M980250		4.90	0.631		27.8	6.28	225	230	0.7	26	0.73	102.0	9	311	619	9.99
M980251		4.49	0.498		29.3	6.12	223	240	0.7	21	0.67	109.0	11	326	769	10.00
M980252		4.69	0.199		11.0	6.52	216	230	0.7	8	0.68	39.2	10	234	231	9.81
M980253		6.25	0.191		4.2	7.06	81	830	0.9	<2	0.65	13.1	8	32	209	6.80
M980254		5.48	0.207		3.9	7.91	78	1070	1.1	<2	1.15	22.5	9	100	218	6.25
M980255		7.29	0.109		2.6	7.62	41	1170	1.2	<2	2.84	6.8	4	72	154	4.83
M980255d			0.098		2.4	6.72	45	1160	1.2	<2	2.79	6.4	4	72	149	4.65
M980256		6.98	0.139		3.2	6.79	73	1100	1.0	<2	3.12	5.2	8	59	140	5.36
M980256p			0.143		3.3	6.96	73	1050	1.0	<2	3.15	4.9	9	60	143	5.37
M980257		5.79	0.121		1.7	6.87	31	1270	1.0	<2	3.07	0.7	7	64	186	5.08
M980258		7.12	0.092		0.9	6.77	25	1160	1.0	<2	2.97	1.1	5	59	172	4.08
M980259		6.90	0.205		6.1	5.69	26	980	0.8	6	2.29	22.4	13	37	406	3.60
M980260		0.12	8.20	7.73	12.6	6.10	50	510	0.6	5	4.07	5.1	34	40	>10000	7.91
M980261		7.13	0.267		1.9	7.10	44	1040	1.0	3	2.31	0.6	6	76	303	5.00
M980262		5.23	0.123		1.0	7.05	17	1500	0.8	<2	2.31	0.8	4	62	168	4.45
M980263		5.12	0.208		2.4	6.90	65	400	0.8	<2	2.67	5.7	21	61	217	5.39
M980264		6.06	0.082		1.3	7.47	27	2590	1.0	<2	2.42	1.1	9	69	136	3.77
M980265		7.39	0.175		1.8	7.31	63	530	1.0	<2	2.56	1.6	13	80	216	5.74
M980265d			0.172		2.0	6.90	67	550	1.0	<2	2.58	1.6	13	82	218	5.78
M980266		7.32	0.105		1.0	6.97	25	1340	1.2	<2	2.52	0.5	9	58	259	5.66
M980266p			0.099		0.7	6.90	23	1440	1.1	<2	2.43	0.6	7	56	237	5.39
M980267		7.35	0.094		0.7	6.90	28	1670	1.1	<2	2.86	1.4	4	79	155	4.41
M980268		7.39	0.041		0.7	7.30	35	1540	1.0	<2	3.02	0.7	1	76	55	3.86
M980269		6.87	0.202		1.2	7.32	31	1210	0.8	<2	3.80	6.3	20	79	81	6.76



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Sample Description	Method	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	
	Analyte Units LOR	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
		10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20
M980236		20	4.60	10	2.76	1150	<1	1.51	113	1190	50	2.34	<5	11	409	<20
M980237		20	4.86	10	2.82	1530	<1	1.15	139	1270	71	3.54	<5	12	419	<20
M980238		20	4.92	10	2.47	1470	1	1.29	142	1420	59	1.58	<5	13	440	<20
M980239		10	3.62	10	2.12	1390	<1	2.10	96	930	36	1.02	<5	11	500	<20
M980240		20	4.56	10	2.64	2260	<1	0.92	131	1270	176	1.07	<5	13	343	<20
M980241		20	4.03	10	2.11	3110	<1	0.44	82	890	659	2.29	<5	13	466	<20
M980242		20	4.32	10	2.63	1870	1	1.43	127	1360	120	1.07	<5	13	400	<20
M980243		20	4.36	10	2.38	1750	<1	1.36	119	1390	145	1.44	<5	13	401	<20
M980244		20	4.05	20	3.19	2970	<1	0.06	96	1440	788	2.21	<5	14	168	<20
M980245		<10	0.04	<10	11.80	205	1	0.02	<1	150	4	0.01	<5	<1	40	<20
M980246		20	3.98	20	3.17	2420	1	0.08	126	1260	268	3.01	<5	15	158	<20
M980246d		20	4.10	20	3.18	2460	<1	0.08	128	1280	267	3.08	<5	15	159	<20
M980247		20	2.38	10	1.36	1080	3	0.05	117	670	2700	>10.0	7	12	75	<20
M980247p		20	2.37	10	1.35	1060	3	0.05	114	640	2670	>10.0	<5	12	74	<20
M980248		20	1.01	100	1.47	1290	12	0.02	233	390	1430	>10.0	6	13	62	<20
M980249		20	1.62	10	3.99	2130	8	0.03	292	730	478	6.15	<5	14	46	<20
M980250		20	1.63	10	4.31	2690	1	0.03	289	670	2160	6.38	<5	13	57	<20
M980251		20	1.59	10	4.28	2640	1	0.03	287	660	2060	6.59	<5	13	55	<20
M980252		20	1.89	10	3.74	2730	1	0.04	168	1030	1340	5.47	<5	13	62	<20
M980253		20	3.48	10	2.82	1800	1	0.06	18	990	391	3.35	6	10	83	<20
M980254		20	4.48	10	2.64	2190	<1	0.06	53	1060	331	2.61	7	13	111	<20
M980255		20	4.79	10	1.78	2550	<1	0.08	48	1120	372	1.89	<5	14	238	<20
M980255d		20	4.62	10	1.62	2530	<1	0.08	48	1090	368	1.84	<5	12	229	<20
M980256		20	4.30	20	1.83	2400	<1	0.54	51	1050	571	2.25	<5	13	297	<20
M980256p		20	4.30	20	1.85	2390	<1	0.56	49	1040	554	2.25	<5	13	303	<20
M980257		20	3.73	10	1.70	1775	2	1.54	65	1110	85	2.24	<5	13	373	<20
M980258		10	3.73	10	1.80	1540	<1	1.31	41	820	48	1.58	<5	10	348	<20
M980259		10	3.14	10	1.36	1135	2	0.66	24	580	832	1.88	<5	7	272	<20
M980260		10	1.41	10	1.38	715	411	1.60	43	980	71	5.33	54	14	273	<20
M980261		20	4.67	10	1.48	1215	2	1.14	56	1040	66	2.37	<5	13	342	<20
M980262		20	3.78	10	1.49	1290	1	2.01	46	840	58	1.78	5	10	368	<20
M980263		20	4.40	10	1.46	1415	2	0.42	45	950	271	2.89	<5	11	344	<20
M980264		20	4.69	10	1.63	1255	<1	0.82	44	960	94	1.02	5	12	406	<20
M980265		20	4.77	10	1.84	1420	1	0.83	72	940	83	2.74	<5	13	333	<20
M980265d		20	4.78	10	1.80	1440	1	0.85	73	950	80	2.80	8	12	334	<20
M980266		20	4.47	10	1.63	1155	8	1.35	43	1050	16	2.28	<5	11	316	<20
M980266p		20	4.33	10	1.61	1100	8	1.29	41	1000	14	2.15	6	11	306	<20
M980267		20	3.81	10	1.75	1110	5	1.88	57	1300	17	1.35	<5	13	383	<20
M980268		20	2.54	10	1.78	1130	2	2.88	66	1220	52	0.71	<5	13	500	<20
M980269		20	3.37	10	3.24	2080	<1	1.75	40	1110	193	0.85	5	25	457	<20



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Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	Ag- OG62	Cu- OG62	Zn- OG62	S- OG62
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Ag ppm	Cu %	Zn %	S %
		0.01	10	10	1	10	2	1	0.001	0.001	0.01
M980236		0.33	10	<10	132	<10	263				
M980237		0.32	<10	<10	137	<10	233				
M980238		0.37	<10	<10	151	<10	325				
M980239		0.29	<10	<10	117	<10	138				
M980240		0.37	10	<10	145	10	1900				
M980241		0.27	<10	<10	130	<10	5160				
M980242		0.38	10	<10	149	<10	1040				
M980243		0.38	<10	<10	148	<10	3040				
M980244		0.38	<10	<10	153	<10	7010				
M980245		<0.01	<10	<10	2	<10	31				
M980246		0.30	<10	<10	148	10	3040				
M980246d		0.31	<10	<10	150	<10	3090				
M980247		0.14	<10	10	114	<10	>10000			2.64	19.15
M980247p		0.14	<10	<10	112	10	>10000			2.67	19.05
M980248		0.10	<10	10	111	<10	2490				32.8
M980249		0.25	10	<10	161	<10	8500				
M980250		0.20	<10	<10	132	<10	>10000			1.820	
M980251		0.19	<10	<10	129	<10	>10000			1.975	
M980252		0.28	<10	<10	134	<10	7330				
M980253		0.28	<10	<10	133	10	2270				
M980254		0.34	<10	<10	148	<10	3920				
M980255		0.35	<10	<10	148	<10	1230				
M980255d		0.34	<10	<10	150	10	1210				
M980256		0.32	<10	<10	137	<10	998				
M980256p		0.32	<10	<10	134	10	938				
M980257		0.32	<10	<10	144	<10	159				
M980258		0.27	<10	<10	109	10	217				
M980259		0.19	<10	<10	76	<10	3180				
M980260		0.33	<10	<10	150	10	147		3.25		
M980261		0.33	<10	<10	153	<10	168				
M980262		0.26	<10	<10	104	10	197				
M980263		0.31	<10	<10	118	<10	456				
M980264		0.32	<10	<10	126	10	224				
M980265		0.32	<10	<10	126	10	238				
M980265d		0.32	<10	<10	127	10	240				
M980266		0.32	<10	<10	137	10	124				
M980266p		0.31	<10	<10	132	10	119				
M980267		0.34	<10	<10	151	10	173				
M980268		0.32	<10	<10	130	<10	151				
M980269		0.52	<10	<10	228	<10	1230				



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Sample Description	Method	WEI- 21	Au- AA23	Au- GRA21	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units		kg	g/t	g/t	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR		0.02	0.005	0.05	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01
M980270		7.25	0.024		<0.5	7.28	21	600	0.6	<2	4.25	<0.5	36	100	52	8.14
M980271		6.12	0.020		<0.5	7.31	47	790	0.6	<2	4.89	0.9	37	96	53	7.82
M980272		4.53	0.117		2.2	7.22	65	760	0.9	<2	2.07	2.1	5	40	203	5.18
M980282		3.59	0.248		2.7	8.03	34	200	1.2	<2	2.51	<0.5	11	23	187	5.86
M980283		4.62	0.174		2.3	8.46	16	1420	1.4	<2	2.30	1.1	10	17	52	2.98
M980284		2.89	0.110		<0.5	7.49	41	980	0.7	<2	3.51	<0.5	36	94	40	8.00
M980284d			0.126		<0.5	7.33	43	980	0.6	<2	3.41	<0.5	35	92	42	7.94
M980285		5.52	0.223		<0.5	8.04	8	1210	1.3	<2	2.69	<0.5	8	26	44	3.41
M980285p			0.317		<0.5	7.94	12	1230	1.3	<2	2.81	<0.5	8	27	47	3.50
M980286		5.43	0.581		2.3	7.82	24	870	1.3	<2	2.94	<0.5	12	41	363	4.35
M980287		6.28	0.318		1.1	7.65	14	1030	1.2	<2	3.20	1.7	15	34	214	4.20
M980288		6.44	0.286		2.0	7.35	37	310	1.2	<2	3.00	1.0	7	66	292	5.97
M980289		5.32	0.144		<0.5	7.80	19	1440	1.2	<2	4.32	0.5	16	51	59	4.66
M980290		0.11	0.699		>100	7.43	51	1470	1.2	<2	2.43	58.9	11	22	4590	3.91
M980291		6.13	0.126		<0.5	7.48	46	1260	0.7	<2	4.63	0.6	38	102	47	8.41
M978124		10.32	0.067		0.7	6.98	26	1340	1.3	<2	3.70	<0.5	14	30	10	5.19
M978125		9.25	0.132		2.3	6.65	25	1200	1.3	<2	3.37	1.1	13	33	16	4.88
M978126		6.91	0.015		1.2	5.14	14	1640	1.0	<2	1.55	<0.5	11	26	38	3.37
M978126d			0.027		1.1	5.08	13	1620	1.0	<2	1.54	<0.5	11	26	39	3.35
M978127		6.54	0.008		0.6	1.53	9	1250	<0.5	<2	0.83	<0.5	3	22	8	1.33
M978127p			0.007		0.6	1.63	11	1370	<0.5	<2	0.90	<0.5	4	28	9	1.35
M978128		7.11	0.006		0.5	5.96	11	1620	1.1	<2	2.48	<0.5	11	30	32	3.73
M978129		6.73	<0.005		<0.5	2.59	9	1620	0.6	<2	1.54	<0.5	4	23	20	1.60
M978130		0.13	0.640		100	7.40	54	1560	1.2	<2	2.37	58.4	12	21	4660	3.80
M978131		6.58	0.010		0.7	4.55	9	1600	0.9	<2	2.72	<0.5	11	26	62	3.04
M978132		7.92	0.480		16.0	4.74	44	1000	0.9	<2	2.59	3.4	12	30	75	3.88
M978133		12.10	0.099		3.2	6.07	20	980	0.9	<2	2.66	<0.5	10	17	39	3.75
M978134		10.46	<0.005		0.6	6.38	13	900	1.0	<2	1.63	<0.5	11	13	43	4.07
M978135		9.59	<0.005		0.8	6.77	22	930	1.6	<2	2.35	<0.5	14	37	91	4.61
M978136		5.63	<0.005		1.2	7.06	16	1010	1.7	<2	1.36	<0.5	15	40	108	4.40
M978136d			<0.005		1.1	7.15	18	1010	1.7	<2	1.36	<0.5	14	40	104	4.40
M978137		5.19	0.006		1.1	5.84	16	560	1.1	<2	5.63	<0.5	16	55	68	4.92
M978137p			0.006		1.0	5.85	17	550	1.1	<2	5.37	<0.5	16	55	69	4.87
M978138		6.00	0.007		1.2	7.36	21	1140	2.1	<2	2.35	1.0	11	37	72	3.51
M978139		4.51	0.016		2.2	7.81	28	1140	1.8	<2	1.38	<0.5	17	61	72	4.73
M978140		4.85	0.011		1.4	6.59	25	880	1.1	<2	4.13	<0.5	18	51	46	4.64
M978141		4.35	0.033		2.6	6.68	41	950	1.1	<2	2.14	2.7	15	46	59	3.58
M978142		9.24	<0.005		0.9	3.93	137	140	0.6	<2	8.67	2.0	45	582	68	5.12
M978143		8.27	0.009		5.5	4.85	91	420	0.7	<2	9.28	<0.5	31	417	64	4.85



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		Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
		10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20
M980270		20	2.89	10	4.78	2540	<1	1.52	58	830	18	0.28	<5	35	526	<20
M980271		10	2.89	10	4.26	2620	<1	1.54	62	820	56	0.36	7	33	616	<20
M980272		20	3.93	20	1.44	1405	<1	1.05	16	1440	226	2.12	<5	13	355	<20
M980282		20	3.05	20	1.15	826	<1	2.95	24	1440	137	4.69	5	12	474	<20
M980283		20	2.83	10	0.88	666	<1	3.97	11	790	407	1.87	6	6	564	<20
M980284		20	5.08	10	4.24	1765	<1	1.11	62	830	9	0.99	<5	30	689	<20
M980284d		20	4.91	10	4.20	1715	<1	1.10	61	810	12	1.00	<5	30	690	<20
M980285		20	2.75	10	1.47	783	<1	3.93	5	960	16	1.98	<5	9	767	<20
M980285p		20	2.86	10	1.46	815	<1	3.80	5	960	17	2.10	<5	9	763	<20
M980286		20	2.96	20	1.39	744	<1	3.34	6	980	36	2.88	10	11	751	<20
M980287		20	3.09	20	1.43	1125	<1	3.11	6	920	40	2.67	<5	10	756	<20
M980288		20	4.62	20	1.99	1360	<1	1.09	13	1240	127	3.67	<5	16	481	<20
M980289		20	3.99	10	2.21	1340	<1	2.26	25	700	14	1.05	<5	16	883	<20
M980290		20	2.28	10	0.66	592	35	2.57	7	830	9620	1.64	153	7	667	<20
M980291		20	5.39	10	5.02	2280	<1	0.45	64	860	16	0.28	9	35	743	<20
M978124		20	2.31	20	1.81	1085	2	0.43	15	1120	6	0.32	<5	17	357	<20
M978125		20	2.22	20	1.55	936	2	0.36	18	1000	14	0.43	<5	16	318	<20
M978126		20	1.56	10	0.83	788	2	0.06	18	600	9	0.32	<5	13	93	<20
M978126d		20	1.55	10	0.82	784	2	0.06	20	590	6	0.31	<5	13	91	<20
M978127		10	0.50	10	0.19	317	2	0.02	7	170	2	0.33	<5	4	47	<20
M978127p		10	0.54	10	0.20	334	2	0.02	9	180	<2	0.35	<5	4	51	<20
M978128		20	1.55	20	1.02	830	2	0.13	20	550	3	0.46	<5	13	152	<20
M978129		10	0.83	10	0.57	555	4	0.03	10	240	<2	0.11	<5	7	59	<20
M978130		20	2.25	10	0.68	580	41	2.50	9	810	9550	1.62	148	7	680	<20
M978131		10	1.22	10	1.16	838	2	0.04	21	410	11	0.28	<5	11	167	<20
M978132		10	1.40	10	1.20	920	3	0.08	18	760	267	1.39	<5	12	138	<20
M978133		20	1.81	10	1.19	849	2	0.89	9	630	23	0.60	<5	15	225	<20
M978134		20	1.56	10	1.34	930	2	0.98	7	820	3	0.37	<5	18	161	<20
M978135		20	1.61	10	1.43	882	5	1.60	21	710	12	0.58	<5	16	331	<20
M978136		20	1.85	20	1.56	527	2	1.81	19	1080	19	0.86	<5	15	307	<20
M978136d		20	1.85	20	1.55	527	3	1.80	21	1070	19	0.87	<5	16	306	<20
M978137		20	0.63	20	2.50	1085	2	0.77	35	1310	15	0.70	<5	14	266	<20
M978137p		20	0.67	20	2.42	1055	3	0.83	35	1210	17	0.72	<5	14	260	<20
M978138		20	1.55	20	1.35	544	6	2.73	20	630	31	0.92	<5	11	506	<20
M978139		30	1.67	20	1.56	740	4	2.20	33	1260	42	1.04	<5	15	244	<20
M978140		20	1.48	20	2.25	1075	2	0.68	29	760	10	1.06	<5	17	205	<20
M978141		20	2.05	10	1.35	690	2	0.92	33	550	48	1.47	<5	15	156	<20
M978142		10	0.16	10	7.22	1250	1	0.23	426	1050	34	0.56	<5	18	420	<20
M978143		10	0.62	10	5.92	883	1	0.66	303	1030	26	0.53	<5	17	467	<20



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Project: Bronson Creek

CERTIFICATE OF ANALYSIS TR12194150

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	Ag- OG62	Cu- OG62	Zn- OG62	S- OG62
		Ti	Ti	U	V	W	Zn	Ag	Cu	Zn	S
		%	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
		0.01	10	10	1	10	2	1	0.001	0.001	0.01
M980270		0.62	<10	<10	289	10	127				
M980271		0.57	<10	<10	282	10	202				
M980272		0.33	<10	<10	170	10	405				
M980282		0.31	10	<10	150	10	116				
M980283		0.25	<10	<10	128	10	119				
M980284		0.60	<10	<10	267	10	146				
M980284d		0.58	<10	<10	254	<10	139				
M980285		0.29	<10	<10	140	10	102				
M980285p		0.31	<10	<10	143	<10	108				
M980286		0.33	<10	<10	170	10	120				
M980287		0.30	<10	<10	143	10	261				
M980288		0.39	<10	<10	193	10	347				
M980289		0.38	<10	<10	178	10	143				
M980290		0.23	<10	<10	78	10	7680	99			
M980291		0.65	<10	<10	291	10	232				
M978124		0.69	<10	<10	126	<10	68				
M978125		0.60	<10	<10	130	<10	162				
M978126		0.34	<10	<10	114	<10	75				
M978126d		0.33	<10	<10	112	<10	77				
M978127		0.11	<10	<10	37	<10	15				
M978127p		0.11	<10	<10	38	<10	16				
M978128		0.36	<10	<10	101	<10	58				
M978129		0.19	<10	<10	47	<10	27				
M978130		0.23	<10	<10	76	<10	7570	105			
M978131		0.30	<10	<10	90	<10	56				
M978132		0.36	<10	<10	108	<10	332				
M978133		0.39	<10	<10	109	<10	57				
M978134		0.49	<10	<10	129	<10	83				
M978135		0.47	<10	<10	169	<10	93				
M978136		0.44	<10	<10	191	<10	98				
M978136d		0.44	<10	<10	193	<10	100				
M978137		0.51	<10	<10	155	<10	89				
M978137p		0.49	10	<10	152	<10	84				
M978138		0.33	<10	<10	171	<10	134				
M978139		0.60	<10	<10	198	<10	99				
M978140		0.41	<10	<10	142	10	79				
M978141		0.31	<10	<10	126	<10	137				
M978142		0.17	<10	<10	146	<10	166				
M978143		0.22	<10	<10	143	<10	86				



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CERTIFICATE TR12194155

Project: Bronson Creek
 P.O. No.: 54- 011401
 This report is for 97 Drill Core samples submitted to our lab in Terrace, BC, Canada on 21- AUG- 2012.
 The following have access to data associated with this certificate:

JENNIFER BURGESS JIM SPARLING	WILLIAM HAY JOHN ZBEETNOFF	SUSAN HENDERSON
----------------------------------	-------------------------------	-----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22d	Sample login - Rcd w/o BarCode dup
PUL- 32d	Pulverize Split - Dup 85% < 75um
BAG- 01	Bulk Master for Storage
SPL- 21d	Split sample - duplicate
SPL- 34	Pulp Splitting Charge
SPLIT- Z	Pulp split for send out
LOG- 23	Pulp Login - Rcvd with Barcode
LOG- 21	Sample logging - ClientBarCode
CRU- 31	Fine crushing - 70% < 2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 32	Pulverize 1000g to 85% < 75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Cu- OG62	Ore Grade Cu - Four Acid	VARIABLE
Au- AA23	Au 30g FA- AA finish	AAS
Au- GRA21	Au 30g FA- GRAV finish	WST- SIM
ME- ICP61	33 element four acid ICP- AES	ICP- AES
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE

To: **SNIPGOLD CORP.**
ATTN: WILLIAM HAY
611 - 675 WEST HASTINGS ST.
VANCOUVER BC V6B 1N2

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

Signature:
 Colin Ramshaw, Vancouver Laboratory Manager

Comments: ****Corrected Copy for ME- ICP61 on Samples M980328 - M980332.**** Additional Au- AA23 check assay for sample M980319 reports 4.46 g/t.



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CERTIFICATE OF ANALYSIS TR12194155

Sample Description	Method Analyte Units LOR	WEI- 21	Au- AA23	Au- GRA21	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61
		Recvd Wt. kg	Au g/t	Au g/t	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.05	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01
M980292		5.57	0.597		5.6	7.74	26	920	0.9	3	3.73	18.8	9	25	263	5.52
M980293		6.48	1.295		3.6	7.61	51	290	0.9	<2	3.12	3.3	18	22	361	6.30
M980294		6.29	0.476		4.8	7.47	59	420	1.1	<2	3.07	12.0	18	27	272	6.65
M980295		6.02	0.099		0.8	7.90	25	1560	1.1	<2	3.26	<0.5	7	18	109	4.24
M980296		7.38	0.216		1.9	7.57	52	1210	1.1	3	3.01	<0.5	13	26	257	6.31
M980297		4.92	0.262		3.7	7.35	58	420	0.9	2	5.44	9.4	35	41	267	7.92
M980298		7.15	0.077		1.0	7.74	36	1630	1.2	<2	3.12	<0.5	8	22	140	5.07
M980299		7.14	0.043		0.7	7.72	13	1800	1.3	<2	3.13	<0.5	8	25	77	4.07
M980300		0.11	7.25	7.68	12.9	5.91	55	580	0.6	<2	3.92	5.4	34	40	>10000	7.53
M980301		7.37	0.034		<0.5	7.67	17	1320	1.3	<2	3.13	<0.5	4	26	32	3.98
M980301d			0.020		0.5	7.73	17	1330	1.3	<2	3.14	<0.5	5	25	19	4.00
M980302		7.50	0.047		0.6	8.51	12	1460	1.5	<2	2.75	0.9	8	18	103	4.18
M980302p			0.055		0.6	8.78	18	1510	1.5	<2	2.78	1.2	9	18	103	4.30
M980303		7.06	0.166		1.3	7.59	27	360	1.2	<2	2.23	1.3	16	112	288	6.21
M980304		7.18	0.139		<0.5	7.20	15	1290	1.0	<2	3.21	1.1	16	61	211	5.17
M980305		7.32	0.539		1.6	7.01	31	320	1.1	<2	2.72	6.0	17	83	295	7.57
M980306		7.02	0.458		1.7	7.81	29	680	1.4	<2	3.27	0.5	16	10	300	9.29
M980307		7.20	0.274		1.1	7.15	30	340	1.3	<2	3.94	1.5	20	13	318	9.20
M980308		6.52	0.254		1.4	7.59	29	550	1.6	<2	3.95	1.3	19	14	318	9.68
M980309		7.25	0.172		0.5	7.65	23	420	1.3	<2	3.90	1.5	13	16	233	8.57
M980310		5.97	0.275		0.9	7.40	38	450	1.3	<2	4.59	0.6	17	45	345	10.25
M980311		5.35	0.542		<0.5	7.26	35	440	1.4	<2	4.39	1.0	21	30	382	10.90
M980311d			0.602		0.9	7.56	31	450	1.5	<2	4.58	1.0	22	32	400	11.35
M980312		5.20	0.379		0.6	7.91	23	480	1.5	<2	5.05	<0.5	9	29	308	8.26
M980312p			0.277		0.6	7.66	29	460	1.4	<2	5.04	<0.5	10	30	317	8.29
M980313		6.93	0.231		0.6	7.84	27	460	1.4	<2	4.03	<0.5	14	38	264	8.24
M980314		6.94	0.244		0.9	7.73	27	470	1.6	<2	4.40	<0.5	26	36	285	8.90
M980315		0.11	1.330		4.6	5.64	19	540	0.7	9	1.74	<0.5	13	51	>10000	3.92
M980316		6.99	0.073		<0.5	8.15	19	370	1.6	<2	4.17	<0.5	18	26	153	8.52
M980317		4.76	0.112		<0.5	7.45	30	300	1.5	<2	6.56	<0.5	16	33	126	9.16
M980318		6.88	0.134		<0.5	7.49	31	420	1.6	<2	5.66	<0.5	20	68	139	9.10
M980319		3.86	2.99	3.74	1.5	5.69	45	460	1.2	<2	4.67	<0.5	38	275	449	16.40
M980320		5.55	0.090		<0.5	8.05	35	570	1.1	<2	5.55	<0.5	16	32	160	9.14
M980321		5.69	0.037		<0.5	8.14	22	690	1.4	<2	5.25	<0.5	24	9	126	7.92
M980321d			0.033		<0.5	8.31	22	710	1.4	<2	5.30	<0.5	24	9	129	8.28
M980322		7.41	0.044		<0.5	8.37	26	690	1.4	<2	3.25	<0.5	28	13	160	7.90
M980322p			0.044		<0.5	8.63	21	690	1.4	<2	3.20	<0.5	27	13	155	7.98
M980323		7.58	0.035		<0.5	7.81	27	730	1.3	<2	4.19	<0.5	30	15	137	8.08
M980324		6.90	0.062		0.5	8.32	20	550	1.2	<2	4.61	<0.5	29	8	162	7.79
M980325		6.91	0.040		<0.5	8.53	24	540	1.5	<2	4.34	<0.5	22	11	89	7.42

Comments: **Corrected Copy for ME- ICP61 on Samples M980328 - M980332.** Additional Au- AA23 check assay for sample M980319 reports 4.46 g/t.



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CERTIFICATE OF ANALYSIS TR12194155

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	
		Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
		10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20
M980292		30	3.73	20	1.91	1430	1	2.26	12	1180	764	2.74	<5	15	788	<20
M980293		30	3.86	20	1.64	1090	2	1.76	10	1290	123	4.14	<5	16	678	<20
M980294		20	3.48	30	1.55	1325	1	1.96	13	1260	850	3.40	<5	15	453	<20
M980295		20	3.35	20	1.29	1190	1	2.46	11	1100	23	1.19	<5	11	490	<20
M980296		30	3.79	10	1.97	1395	1	1.85	16	1240	31	2.84	<5	15	446	<20
M980297		20	3.22	20	2.30	1860	5	1.50	26	930	567	4.10	<5	18	491	<20
M980298		20	3.75	20	1.47	1270	<1	1.84	11	1250	60	1.64	<5	15	416	<20
M980299		20	3.23	10	1.91	1115	1	2.82	11	1220	32	0.65	<5	13	573	<20
M980300		20	1.39	10	1.36	690	416	1.59	47	980	71	5.25	49	14	282	<20
M980301		20	3.55	10	2.59	1420	2	2.69	14	1310	35	0.44	<5	15	530	<20
M980301 d		20	3.57	10	2.61	1420	1	2.70	15	1320	34	0.44	<5	15	535	<20
M980302		20	3.80	20	1.41	993	1	2.41	11	1250	34	1.25	<5	10	468	<20
M980302p		20	3.91	20	1.45	1005	1	2.41	10	1280	33	1.32	<5	11	474	<20
M980303		20	4.59	10	1.31	971	1	1.43	111	1240	72	2.99	<5	13	320	<20
M980304		20	5.16	10	1.53	1135	44	1.06	86	1190	65	2.20	<5	13	363	<20
M980305		20	3.39	10	1.76	1405	6	1.34	42	1610	131	3.38	<5	16	282	<20
M980306		20	1.62	20	2.46	1935	<1	2.68	12	2660	180	3.98	<5	20	321	<20
M980307		20	0.99	20	2.93	1920	<1	2.32	11	2550	120	3.51	5	22	315	<20
M980308		20	1.64	20	2.80	2010	<1	2.23	13	2510	98	3.75	<5	22	381	<20
M980309		20	1.22	20	2.95	1810	<1	2.62	11	2640	36	2.57	<5	22	349	<20
M980310		20	1.18	20	2.68	2000	4	2.06	23	2290	47	3.95	<5	20	402	<20
M980311		20	1.39	20	2.47	2070	<1	1.70	13	2410	42	4.48	<5	18	348	<20
M980311 d		20	1.45	20	2.58	2160	<1	1.78	14	2500	42	4.60	<5	19	362	<20
M980312		20	1.48	20	2.60	1910	<1	2.47	13	2380	40	2.57	<5	21	357	<20
M980312p		20	1.46	20	2.54	1890	<1	2.35	15	2340	42	2.73	<5	20	347	<20
M980313		20	1.52	20	2.33	1460	<1	2.91	16	2540	19	3.04	<5	19	428	<20
M980314		20	1.32	20	2.60	1435	5	2.42	21	2480	25	3.49	<5	20	460	<20
M980315		10	0.96	10	0.89	627	520	1.94	35	580	8	0.89	6	11	241	<20
M980316		20	1.58	20	3.39	1745	<1	2.61	15	2710	12	1.23	<5	18	475	<20
M980317		20	1.26	20	3.18	1975	<1	1.88	18	2810	14	1.41	7	22	789	<20
M980318		20	1.44	20	3.89	1770	<1	1.96	33	2670	14	1.31	<5	24	676	<20
M980319		20	1.47	10	4.20	1885	1	0.58	151	1930	10	4.74	<5	31	734	<20
M980320		20	1.49	20	2.70	1470	<1	1.90	19	2630	10	1.53	6	23	1105	<20
M980321		20	1.75	20	2.62	1330	<1	2.57	7	2590	12	1.75	<5	21	751	<20
M980321 d		20	1.75	20	2.68	1345	<1	2.63	5	2650	10	1.80	<5	21	768	<20
M980322		20	2.24	10	3.49	1150	<1	2.67	9	2700	12	1.88	7	18	580	<20
M980322p		20	2.20	20	3.49	1135	<1	2.76	9	2740	9	1.78	6	18	577	<20
M980323		20	2.57	20	3.62	1245	<1	1.93	12	2810	9	1.72	<5	18	550	<20
M980324		20	1.88	20	2.90	1040	<1	2.37	6	2920	8	1.78	<5	19	825	<20
M980325		20	1.92	20	3.20	1270	<1	2.85	7	2730	7	0.99	<5	19	607	<20

Comments: **Corrected Copy for ME- ICP61 on Samples M980328 - M980332.** Additional Au- AA23 check assay for sample M980319 reports 4.46 g/t.



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CERTIFICATE OF ANALYSIS TR12194155

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	Ag- OG62	Cu- OG62
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Ag ppm	Cu %
		0.01	10	10	1	10	2	1	0.001
M980292		0.42	<10	<10	193	<10	2200		
M980293		0.39	<10	<10	211	<10	404		
M980294		0.49	<10	<10	198	<10	1945		
M980295		0.45	<10	<10	162	<10	89		
M980296		0.45	<10	<10	200	<10	166		
M980297		0.45	<10	<10	186	<10	1660		
M980298		0.52	<10	<10	196	<10	177		
M980299		0.42	<10	<10	182	<10	137		
M980300		0.33	<10	<10	139	10	148		3.52
M980301		0.44	10	<10	201	<10	200		
M980301 d		0.44	<10	<10	201	<10	200		
M980302		0.42	10	<10	201	<10	237		
M980302p		0.42	<10	10	207	<10	235		
M980303		0.38	10	<10	163	10	229		
M980304		0.31	<10	<10	264	<10	184		
M980305		0.45	10	<10	219	10	687		
M980306		0.65	10	<10	269	30	291		
M980307		0.67	<10	10	284	10	317		
M980308		0.66	<10	10	289	10	385		
M980309		0.64	<10	<10	286	<10	330		
M980310		0.65	<10	10	246	<10	170		
M980311		0.73	10	10	253	<10	235		
M980311 d		0.77	10	<10	263	<10	247		
M980312		0.77	10	<10	293	10	174		
M980312p		0.75	10	<10	289	10	173		
M980313		0.72	<10	10	292	<10	114		
M980314		0.69	10	<10	279	<10	114		
M980315		0.27	<10	<10	89	30	82		1.290
M980316		0.74	<10	<10	298	<10	114		
M980317		0.63	<10	10	271	<10	114		
M980318		0.64	10	<10	291	<10	123		
M980319		0.47	10	10	216	10	136		
M980320		0.62	10	<10	279	<10	105		
M980321		0.63	<10	10	282	<10	104		
M980321 d		0.63	10	10	285	<10	104		
M980322		0.61	<10	10	255	<10	169		
M980322p		0.62	<10	<10	254	<10	166		
M980323		0.68	10	<10	286	<10	209		
M980324		0.63	<10	<10	256	<10	139		
M980325		0.66	<10	10	274	<10	220		

Comments: **Corrected Copy for ME- ICP61 on Samples M980328 - M980332.** Additional Au- AA23 check assay for sample M980319 reports 4.46 g/t.



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Sample Description	Method Analyte Units LOR	WEI- 21	Au- AA23	Au- GRA21	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61
		Recvd Wt. kg	Au g/t	Au g/t	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.05	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01
M980326		6.97	0.173		1.1	7.45	28	460	1.4	<2	4.64	1.5	28	33	277	10.10
M980327		6.89	0.140		1.0	7.55	28	460	1.5	<2	3.78	1.2	18	38	211	8.62
M980328		6.79	0.125		1.6	8.07	22	510	1.5	<2	3.57	0.7	23	17	212	7.96
M980329		6.93	0.075		1.0	7.50	23	460	1.3	<2	3.95	0.5	26	71	152	8.73
M980330		0.12	0.598		100	7.31	56	1530	1.2	<2	2.31	53.5	13	21	4490	3.81
M980331		7.31	0.195		1.5	6.48	30	110	1.3	2	3.58	0.5	19	57	221	10.40
M980331d			0.209		1.3	6.46	33	150	1.3	2	3.47	0.5	18	55	219	10.35
M980332		6.78	0.102		1.1	7.39	43	850	1.0	3	2.89	<0.5	25	103	196	5.50
M980332p			0.139		0.8	7.61	39	880	1.1	<2	2.87	<0.5	25	104	212	5.55
M980333		6.42	0.097		1.5	7.13	26	610	0.8	<2	2.32	<0.5	26	109	266	5.69
M980334		3.12	0.066		1.5	7.30	20	690	1.0	4	3.29	<0.5	18	116	124	3.93
M980335		6.05	0.058		<0.5	7.33	8	1420	0.9	2	4.20	<0.5	37	105	52	7.77
M980336		5.83	0.286		<0.5	7.34	<5	1480	0.8	<2	4.58	<0.5	35	105	56	7.50
M980337		7.47	0.205		<0.5	7.64	11	1440	1.0	<2	4.30	<0.5	30	94	94	7.34
M980338		4.10	0.097		1.0	8.05	14	890	1.1	3	3.79	<0.5	14	104	78	3.78
M980339		6.65	0.167		0.5	7.65	7	970	1.2	<2	2.46	<0.5	20	91	47	4.18
M980340		6.66	0.020		<0.5	7.80	10	770	1.1	<2	2.75	<0.5	22	46	64	4.44
M980341		6.25	0.033		0.6	8.10	19	1130	1.2	3	2.72	<0.5	19	74	64	4.75
M980341d			0.031		0.7	8.15	18	1130	1.2	<2	2.71	<0.5	19	74	64	4.64
M980342		6.85	0.023		<0.5	7.85	12	1040	1.1	2	2.58	<0.5	13	103	55	4.14
M980342p			0.022		<0.5	7.86	10	1040	1.1	3	2.42	<0.5	12	103	54	4.10
M980343		6.90	0.072		<0.5	7.66	13	1040	1.2	4	2.47	<0.5	16	109	120	5.05
M980344		6.72	0.029		<0.5	7.66	11	940	1.1	<2	2.84	<0.5	15	132	94	4.79
M980345		0.57	<0.005		<0.5	0.07	<5	20	<0.5	<2	19.8	<0.5	<1	<1	<1	0.46
M980346		6.54	0.032		<0.5	7.55	9	1130	1.1	3	2.90	<0.5	14	120	81	4.05
M980347		6.60	0.025		<0.5	7.60	8	990	1.0	2	2.92	<0.5	14	114	74	4.17
M980348		6.97	0.194		1.3	7.47	23	540	1.1	5	3.48	<0.5	21	84	192	5.60
M980349		6.38	0.206		<0.5	7.54	11	1420	1.2	<2	2.92	<0.5	14	81	55	3.51
M980350		6.59	0.053		<0.5	7.28	9	1420	0.9	<2	2.94	<0.5	12	85	50	3.54
M980351		6.58	0.974		<0.5	7.84	11	1420	1.2	2	2.96	<0.5	12	89	89	3.84
M980351d			1.030		0.6	7.91	14	1400	1.2	3	2.92	<0.5	12	89	89	3.82
M980352		6.88	2.34	2.12	0.5	7.94	15	1530	1.2	<2	3.05	0.7	14	99	114	4.17
M980352p			1.135		1.2	7.79	11	1410	1.2	4	3.00	<0.5	13	91	111	4.08
M980353		6.62	0.086		<0.5	7.79	7	1320	1.3	2	3.53	<0.5	6	90	50	3.68
M980354		6.67	0.277		0.8	7.70	26	1130	1.1	3	3.54	1.4	18	91	120	5.34
M980355		6.53	0.105		0.7	7.86	18	1270	1.4	2	3.41	<0.5	21	88	61	4.11
M980356		5.96	0.023		<0.5	7.51	9	1070	1.2	<2	3.19	<0.5	12	96	40	3.54
M980357		7.08	0.036		0.8	7.71	16	1020	1.2	3	2.84	<0.5	19	93	86	4.10
M980358		6.75	0.031		1.0	8.02	14	1080	1.3	3	3.36	<0.5	16	106	49	3.92
M980359		6.99	0.054		0.7	7.78	6	830	1.1	<2	4.95	<0.5	18	110	28	3.53

Comments: **Corrected Copy for ME- ICP61 on Samples M980328 - M980332.** Additional Au- AA23 check assay for sample M980319 reports 4.46 g/t.



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Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	
		Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
		10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20
M980326		20	1.89	20	3.77	1375	<1	1.97	15	2740	16	3.77	<5	28	590	<20
M980327		20	2.09	20	3.56	1065	<1	2.29	15	2670	11	2.93	<5	26	324	<20
M980328		20	1.99	20	3.76	1090	<1	2.71	15	2740	9	2.27	<5	22	323	<20
M980329		20	1.69	20	4.39	1100	1	1.90	41	3030	11	2.53	<5	21	333	<20
M980330		20	2.15	10	0.66	566	34	2.47	10	780	9380	1.55	143	6	642	<20
M980331		20	2.54	10	2.91	896	10	1.00	34	2300	15	5.45	<5	15	363	<20
M980331d		20	2.48	10	2.91	867	11	0.99	34	2300	12	5.41	<5	15	362	<20
M980332		20	2.44	10	2.27	655	33	3.15	97	1620	13	3.00	<5	13	363	<20
M980332p		20	2.42	20	2.28	661	34	3.06	97	1640	11	3.14	7	14	373	<20
M980333		20	2.46	10	2.17	597	11	2.99	85	1350	12	3.08	<5	12	360	<20
M980334		20	1.91	10	2.35	758	<1	3.48	95	1240	28	1.26	<5	13	624	<20
M980335		20	4.47	<10	4.30	1530	<1	0.88	62	900	8	0.25	<5	33	825	<20
M980336		10	4.35	<10	4.12	1505	<1	0.76	57	880	4	0.26	<5	35	902	<20
M980337		20	3.32	10	3.89	1415	<1	1.26	60	1570	9	0.54	5	30	935	<20
M980338		20	2.15	10	2.23	996	<1	4.18	80	1650	26	0.61	<5	14	562	<20
M980339		20	2.44	10	2.33	627	<1	3.67	58	1560	17	0.39	<5	14	443	<20
M980340		20	1.98	10	2.02	625	<1	4.05	30	1660	9	0.47	<5	13	438	<20
M980341		20	2.44	10	2.11	598	<1	3.76	52	1640	15	0.95	<5	13	447	<20
M980341d		20	2.43	10	2.11	599	<1	3.78	51	1640	14	0.95	<5	13	447	<20
M980342		20	2.78	10	2.43	583	<1	3.53	81	1490	5	0.55	<5	12	417	<20
M980342p		20	2.75	10	2.39	558	<1	3.47	81	1450	3	0.55	<5	13	403	<20
M980343		20	2.88	10	2.11	503	<1	3.14	79	1390	2	1.63	<5	12	401	<20
M980344		20	2.60	10	2.28	582	<1	3.18	93	1360	3	1.12	<5	12	492	<20
M980345		<10	0.03	<10	12.10	201	<1	0.01	<1	150	<2	<0.01	<5	<1	32	<20
M980346		20	2.71	10	2.47	787	<1	3.55	91	1360	<2	0.86	<5	12	423	<20
M980347		20	2.32	10	2.35	592	<1	3.56	85	1380	2	0.91	<5	12	460	<20
M980348		20	2.80	10	2.08	1215	<1	2.97	76	1400	17	2.98	5	12	383	<20
M980349		20	2.73	10	2.32	1005	<1	3.35	61	1420	5	0.42	<5	11	467	<20
M980350		20	2.61	10	2.33	1015	<1	3.14	67	1360	6	0.38	<5	11	509	<20
M980351		20	2.90	10	2.08	1115	<1	3.25	71	1450	13	0.65	<5	12	540	<20
M980351d		20	2.87	20	2.06	1095	<1	3.20	68	1430	12	0.65	<5	12	529	<20
M980352		20	3.06	20	2.23	1130	4	3.25	77	1420	11	0.90	<5	13	515	<20
M980352p		20	2.87	20	2.10	1125	<1	3.08	72	1400	14	0.83	<5	12	528	<20
M980353		20	3.24	10	2.17	1535	<1	2.57	72	1400	12	0.36	<5	12	576	<20
M980354		20	3.25	10	2.40	1975	<1	1.87	88	1330	50	1.34	5	12	602	<20
M980355		20	3.00	10	2.15	1645	<1	2.58	73	1450	28	0.74	<5	12	608	<20
M980356		20	2.29	10	2.10	1310	<1	3.31	75	1340	11	0.39	<5	11	511	<20
M980357		20	2.77	10	2.01	1235	<1	2.45	73	1230	29	0.89	<5	11	422	<20
M980358		20	3.09	10	2.14	1360	<1	2.25	80	1430	51	0.48	<5	13	485	<20
M980359		20	2.69	10	2.12	1840	<1	2.18	83	1330	55	0.30	<5	13	600	<20

Comments: **Corrected Copy for ME- ICP61 on Samples M980328 - M980332.** Additional Au- AA23 check assay for sample M980319 reports 4.46 g/t.



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Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	Ag- OG62	Cu- OG62
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Ag ppm	Cu %
		0.01	10	10	1	10	2	1	0.001
M980326		0.71	10	<10	308	<10	377		
M980327		0.69	10	10	287	<10	237		
M980328		0.68	<10	<10	308	<10	209		
M980329		0.61	<10	10	286	10	202		
M980330		0.22	<10	<10	75	10	7320	104	
M980331		0.43	10	<10	226	<10	134		
M980331d		0.42	<10	<10	219	<10	127		
M980332		0.32	<10	10	224	<10	58		
M980332p		0.31	<10	<10	218	<10	57		
M980333		0.29	<10	<10	188	<10	78		
M980334		0.27	<10	<10	126	<10	68		
M980335		0.64	10	<10	276	<10	140		
M980336		0.62	<10	<10	266	10	129		
M980337		0.63	<10	<10	256	<10	158		
M980338		0.34	<10	<10	166	<10	96		
M980339		0.36	<10	<10	183	<10	102		
M980340		0.40	<10	<10	172	<10	100		
M980341		0.41	<10	<10	161	<10	100		
M980341d		0.41	<10	<10	160	<10	100		
M980342		0.38	<10	<10	149	<10	42		
M980342p		0.38	<10	<10	145	<10	40		
M980343		0.37	<10	<10	147	<10	36		
M980344		0.38	<10	<10	154	<10	37		
M980345		<0.01	<10	<10	2	<10	12		
M980346		0.37	<10	<10	144	<10	39		
M980347		0.36	<10	<10	144	<10	31		
M980348		0.36	<10	<10	140	<10	47		
M980349		0.38	<10	<10	141	<10	45		
M980350		0.37	<10	<10	137	<10	57		
M980351		0.39	<10	<10	147	<10	77		
M980351d		0.38	<10	<10	144	<10	76		
M980352		0.40	<10	<10	149	<10	83		
M980352p		0.38	<10	<10	144	<10	77		
M980353		0.38	<10	<10	149	<10	110		
M980354		0.35	<10	<10	131	<10	315		
M980355		0.36	<10	<10	143	<10	118		
M980356		0.33	<10	<10	135	<10	80		
M980357		0.32	<10	<10	122	<10	148		
M980358		0.34	<10	<10	146	<10	161		
M980359		0.33	<10	<10	134	<10	145		

Comments: **Corrected Copy for ME- ICP61 on Samples M980328 - M980332.** Additional Au- AA23 check assay for sample M980319 reports 4.46 g/t.



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA23 Au g/t	Au- GRA21 Au g/t	ME- ICP61 Ag ppm	ME- ICP61 Al %	ME- ICP61 As ppm	ME- ICP61 Ba ppm	ME- ICP61 Be ppm	ME- ICP61 Bi ppm	ME- ICP61 Ca %	ME- ICP61 Cd ppm	ME- ICP61 Co ppm	ME- ICP61 Cr ppm	ME- ICP61 Cu ppm	ME- ICP61 Fe %
		0.02	0.005	0.05	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01
M980360		0.11	7.98	7.72	12.8	6.32	38	460	0.7	<2	4.15	4.7	37	40	>10000	7.85
M980361		7.16	0.161		1.7	7.71	28	1080	1.0	<2	3.02	9.5	67	96	57	4.73
M980361d			0.127		1.8	7.62	33	950	1.0	4	3.00	9.3	67	98	23	4.74
M980362		6.67	0.064		0.6	6.77	21	1650	1.2	<2	4.53	2.5	15	52	52	3.46
M980362p			0.069		0.6	6.72	22	1610	1.1	<2	4.67	2.5	13	52	54	3.65
M980363		6.10	0.177		4.3	6.73	85	380	1.1	<2	3.14	9.8	28	140	102	6.28
M980364		6.72	0.047		0.9	6.78	25	1020	1.2	<2	4.02	1.3	7	178	57	4.67
M980365		6.87	0.033		0.5	7.06	22	880	1.1	<2	3.69	<0.5	7	139	73	5.58
M980366		6.99	0.026		0.5	7.75	24	660	1.3	<2	5.03	4.2	5	202	62	5.28
M980367		6.93	0.014		<0.5	7.38	13	480	1.2	<2	3.73	<0.5	6	156	48	5.13
M980368		6.73	0.009		<0.5	7.35	10	280	0.9	<2	3.82	<0.5	7	111	44	4.47
M980369		5.88	0.027		<0.5	7.44	14	240	0.7	<2	3.34	<0.5	2	195	116	5.33
M980370		7.40	0.018		0.5	7.57	8	270	1.0	<2	4.66	<0.5	5	218	139	4.30
M980371		6.55	<0.005		<0.5	7.35	7	550	1.1	<2	4.93	<0.5	5	178	3	3.70
M980371d			<0.005		<0.5	7.21	10	550	1.1	<2	4.86	<0.5	5	175	3	3.68
M980372		7.02	0.019		2.7	7.21	26	920	1.1	<2	2.18	15.0	8	274	50	6.89
M980372p			0.019		3.1	7.31	31	950	1.1	<2	2.40	16.7	9	264	43	7.19

Comments: **Corrected Copy for ME- ICP61 on Samples M980328 - M980332.** Additional Au- AA23 check assay for sample M980319 reports 4.46 g/t.



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Project: Bronson Creek

CERTIFICATE OF ANALYSIS TR12194155

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	
		Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
		10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20
M980360		10	1.42	10	1.43	733	429	1.66	46	1020	77	5.26	58	14	292	<20
M980361		20	4.00	30	1.66	1665	4	0.46	69	1270	235	2.20	<5	13	319	<20
M980361d		20	3.99	20	1.65	1665	3	0.46	70	1270	249	2.20	<5	12	318	<20
M980362		20	3.87	10	1.06	2520	<1	0.12	53	880	115	1.22	<5	10	325	<20
M980362p		20	3.77	10	1.11	2490	1	0.13	54	870	113	1.26	<5	10	319	<20
M980363		20	3.06	30	2.01	2250	59	0.10	152	1030	1025	3.32	7	11	228	<20
M980364		20	3.39	10	2.49	2400	30	0.49	156	1190	180	1.31	<5	12	312	<20
M980365		20	3.27	<10	3.07	2090	2	0.83	129	1310	35	1.33	<5	12	382	<20
M980366		20	1.96	10	3.07	2970	7	2.02	165	1400	73	0.89	<5	14	530	<20
M980367		20	1.51	10	3.01	2000	<1	2.59	109	1280	28	0.93	<5	13	434	<20
M980368		20	0.88	20	2.49	1675	<1	3.82	98	1250	13	0.64	<5	13	403	<20
M980369		20	0.76	10	3.31	1660	<1	3.31	147	1180	13	0.57	<5	12	366	<20
M980370		20	1.05	10	3.52	2170	8	3.21	215	1120	34	0.41	<5	13	535	<20
M980371		20	1.98	<10	2.75	2770	8	2.33	135	980	60	0.39	<5	12	522	<20
M980371d		20	1.97	<10	2.71	2730	8	2.32	131	950	56	0.39	<5	12	520	<20
M980372		20	2.70	<10	3.10	2730	5	0.39	165	890	572	1.63	<5	13	174	<20
M980372p		20	2.75	<10	3.18	2890	6	0.40	170	930	634	1.83	<5	13	184	<20

Comments: **Corrected Copy for ME- ICP61 on Samples M980328 - M980332.** Additional Au- AA23 check assay for sample M980319 reports 4.46 g/t.



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 Total # Pages: 4 (A - C)
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Project: Bronson Creek

CERTIFICATE OF ANALYSIS TR12194155

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	Ag- OG62	Cu- OG62
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Ag ppm	Cu %
		0.01	10	10	1	10	2	1	0.001
M980360		0.34	<10	<10	146	<10	159		3.33
M980361		0.33	<10	<10	137	<10	1525		
M980361d		0.33	<10	<10	136	10	1465		
M980362		0.28	<10	<10	98	10	501		
M980362p		0.28	<10	<10	97	<10	519		
M980363		0.27	<10	<10	122	<10	1835		
M980364		0.33	<10	<10	136	<10	350		
M980365		0.34	<10	<10	138	<10	174		
M980366		0.37	<10	<10	153	<10	569		
M980367		0.34	<10	<10	141	<10	161		
M980368		0.33	<10	<10	131	<10	102		
M980369		0.31	<10	<10	141	<10	135		
M980370		0.36	<10	<10	148	<10	116		
M980371		0.30	<10	<10	133	<10	141		
M980371d		0.30	<10	<10	130	<10	139		
M980372		0.32	10	<10	138	<10	2690		
M980372p		0.33	<10	<10	140	<10	2970		

Comments: **Corrected Copy for ME- ICP61 on Samples M980328 - M980332.** Additional Au- AA23 check assay for sample M980319 reports 4.46 g/t.



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Finalized Date: 30- AUG- 2012
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CERTIFICATE TR12194156

Project: Bronson Creek
P.O. No.: 54- 011401
This report is for 3 Crushed Core samples submitted to our lab in Terrace, BC,
Canada on 22- AUG- 2012.

The following have access to data associated with this certificate:

JENNIFER BURGESS
JIM SPARLING

WILLIAM HAY
JOHN ZBEETNOFF

SUSAN HENDERSON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND- 03	Find Reject for Addn Analysis
BAG- 01	Bulk Master for Storage
SPL- 21	Split sample - riffle splitter
PUL- 32	Pulverize 1000g to 85% < 75 um
SCR- 21	Screen to - 100 to 106 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- SCR21	Au Screen Fire Assay - 100 to 106 um	WST- SIM
Au- AA25	Ore Grade Au 30g FA AA finish	AAS
Au- AA25D	Ore Grade Au 30g FA AA Dup	AAS

To: **SNIPGOLD CORP.**
ATTN: WILLIAM HAY
611 - 675 WEST HASTINGS ST.
VANCOUVER BC V6B 1N2

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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 Account: BQL

Project: Bronson Creek

CERTIFICATE OF ANALYSIS TR12194156

Sample Description	Method Analyte Units LOR	Au- SCR21	Au- SCR21	Au- SCR21	Au- SCR21	Au- SCR21	Au- SCR21	Au- AA25	Au- AA25D
		Au Total g/t	Au (+) F g/t	Au (-) F g/t	Au (+) m mg	WT. + Fr g	WT. - Fr g	Au g/t	Au g/t
		0.05	0.05	0.05	0.001	0.01	0.1	0.01	0.01
M978323		12.50	52.9	10.40	2.369	44.76	854.4	10.70	10.05
M978347		9.08	148.0	7.43	2.180	14.75	1237.0	6.81	8.05
M978362		20.5	59.5	19.15	1.948	32.74	962.1	19.60	18.65



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 12- SEP- 2012
 Account: BQL

CERTIFICATE TR12195622

Project: Bronson Creek
 P.O. No.: 54- 011401
 This report is for 141 Drill Core samples submitted to our lab in Terrace, BC, Canada on 25- AUG- 2012.
 The following have access to data associated with this certificate:

JENNIFER BURGESS JIM SPARLING	WILLIAM HAY JOHN ZBEETNOFF	SUSAN HENDERSON
----------------------------------	-------------------------------	-----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22d	Sample login - Rcd w/o BarCode dup
PUL- 32d	Pulverize Split - Dup 85% < 75um
BAG- 01	Bulk Master for Storage
SPL- 21d	Split sample - duplicate
SPL- 34	Pulp Splitting Charge
SPLIT- Z	Pulp split for send out
LOG- 23	Pulp Login - Rcvd with Barcode
LOG- 21	Sample logging - ClientBarCode
CRU- 31	Fine crushing - 70% < 2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 32	Pulverize 1000g to 85% < 75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Cu- OG62	Ore Grade Cu - Four Acid	VARIABLE
Au- AA23	Au 30g FA- AA finish	AAS
Au- GRA21	Au 30g FA- GRAV finish	WST- SIM
ME- ICP61	33 element four acid ICP- AES	ICP- AES
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE

To: **SNIPGOLD CORP.**
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611 - 675 WEST HASTINGS ST.
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Comments: ***Corrected copy with sample ID prefix M980 corrected to M978 for samples #135- 141***

Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: Bronson Creek

CERTIFICATE OF ANALYSIS TR12195622

Sample Description	Method Analyte Units LOR	WEI- 21	Au- AA23	Au- GRA21	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61
		Recvd Wt. kg	Au g/t	Au g/t	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.05	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01
M980568		8.45	0.007		2.0	5.60	26	500	0.8	6	2.69	<0.5	10	68	125	7.17
M980569		9.71	0.113		44.4	6.96	89	330	0.8	78	2.78	16.8	17	34	1430	8.79
M980570		11.42	0.023		1.6	8.03	70	520	0.5	5	2.19	<0.5	19	37	240	7.48
M980571		11.55	0.017		1.5	7.57	48	940	0.6	3	2.52	0.7	16	25	205	7.20
M980572		7.70	0.016		1.2	7.97	49	190	0.6	<2	1.50	<0.5	18	22	220	7.73
M980573		11.68	0.016		1.1	8.50	38	560	0.6	<2	1.16	<0.5	17	23	191	6.89
M980574		11.34	0.015		0.9	8.31	34	1090	0.8	<2	1.50	<0.5	15	70	153	6.66
M980575		0.12	1.320		4.5	5.15	16	570	0.6	3	1.74	<0.5	12	51	>10000	3.86
M980576		10.80	0.020		0.8	8.59	52	1720	0.8	<2	1.77	<0.5	11	29	133	5.91
M980577		7.46	0.080		2.9	7.80	89	440	0.7	4	1.25	<0.5	31	45	247	8.47
M980577d			0.089		3.1	7.79	87	320	0.7	5	1.22	<0.5	31	45	255	8.45
M980578		8.43	0.036		1.3	8.01	48	1230	0.8	<2	2.69	1.9	17	37	145	5.42
M980578p			0.034		1.4	8.34	42	1250	0.8	<2	2.75	1.8	16	37	141	5.55
M980579		9.72	0.021		0.9	8.22	45	900	1.0	<2	3.59	<0.5	13	24	125	5.54
M980101		11.30	<0.005		<0.5	7.25	<5	1470	1.4	<2	3.83	<0.5	12	42	12	4.02
M980102		10.14	<0.005		<0.5	8.79	<5	590	0.7	<2	7.22	<0.5	30	91	146	6.16
M980103		9.85	<0.005		<0.5	8.73	<5	950	0.7	<2	7.27	<0.5	21	77	8	5.40
M980104		12.87	<0.005		<0.5	8.33	<5	2160	1.1	<2	5.32	<0.5	14	17	4	4.65
M980105		11.83	<0.005		<0.5	8.47	5	1330	0.8	<2	6.75	<0.5	25	73	12	5.83
M980106		12.85	<0.005		<0.5	7.87	<5	870	0.7	<2	6.51	<0.5	26	48	65	5.42
M980107		10.52	<0.005		<0.5	7.97	<5	1300	1.2	<2	5.80	<0.5	19	51	62	5.04
M980108		11.07	<0.005		<0.5	7.98	<5	1680	1.1	<2	4.86	<0.5	16	46	39	4.59
M980108d			<0.005		<0.5	7.63	<5	1640	1.1	<2	4.88	<0.5	17	43	37	4.54
M980109		11.78	<0.005		<0.5	8.15	<5	1190	1.3	<2	4.82	<0.5	15	49	24	5.00
M980109p			<0.005		<0.5	8.28	<5	1190	1.3	<2	4.77	<0.5	17	50	24	4.97
M980110		12.06	<0.005		<0.5	8.31	<5	930	1.2	<2	5.59	<0.5	17	49	56	5.13
M980111		11.10	<0.005		<0.5	7.64	<5	720	1.4	<2	5.18	<0.5	14	38	14	4.28
M980112		10.41	<0.005		<0.5	8.04	<5	930	1.5	<2	5.54	<0.5	16	47	21	4.65
M980113		12.68	<0.005		<0.5	8.22	<5	1070	1.4	<2	4.85	1.4	15	38	179	4.57
M980114		12.00	<0.005		<0.5	8.03	7	660	0.8	<2	6.38	<0.5	33	107	61	5.56
M980115		0.15	1.225		4.6	5.24	19	570	0.7	14	1.77	<0.5	12	51	>10000	3.94
M980116		11.92	<0.005		<0.5	8.91	7	540	1.1	<2	5.98	<0.5	25	63	24	6.01
M980117		12.68	<0.005		<0.5	7.91	<5	590	1.1	<2	5.75	<0.5	25	112	15	5.38
M980118		11.69	<0.005		<0.5	8.11	<5	1410	1.4	<2	6.02	<0.5	23	55	23	5.92
M980118d			<0.005		<0.5	8.12	<5	1470	1.4	<2	6.01	<0.5	22	59	21	6.26
M980119		12.26	0.006		<0.5	8.06	6	1020	1.3	<2	6.12	<0.5	21	46	103	6.34
M980119p			0.007		<0.5	8.00	<5	1060	1.3	<2	5.95	<0.5	21	48	110	6.23
M980120		12.18	0.095		<0.5	7.32	<5	1010	1.2	<2	5.23	<0.5	18	30	75	5.38
M980121		10.32	0.030		<0.5	7.77	<5	1010	1.1	<2	4.98	<0.5	11	12	11	4.10
M980122		12.35	<0.005		<0.5	7.76	<5	1210	1.0	<2	4.89	<0.5	26	53	38	6.88

Comments: ***Corrected copy with sample ID prefix M980 corrected to M978 for samples #135- 141***



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 Account: BQL

Project: Bronson Creek

CERTIFICATE OF ANALYSIS TR12195622

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	
		Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
		10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20
M980568		20	2.49	10	1.78	3630	<1	0.14	97	770	54	1.22	9	10	184	<20
M980569		20	4.04	10	1.81	2230	<1	0.98	36	1290	1095	4.23	11	12	301	<20
M980570		20	5.73	10	1.92	1950	<1	0.65	24	1360	14	3.15	8	16	334	<20
M980571		20	5.12	10	1.89	1840	<1	0.43	14	1450	25	2.45	6	14	336	<20
M980572		20	4.55	10	1.63	1240	1	0.41	13	1590	39	3.83	7	14	262	<20
M980573		20	5.03	10	1.77	1090	4	0.90	16	1690	36	2.79	8	15	212	<20
M980574		20	4.94	10	1.95	947	2	1.44	27	1290	37	2.52	7	17	224	<20
M980575		10	0.93	10	0.88	622	508	1.94	35	580	8	0.90	6	10	231	<20
M980576		20	5.62	10	1.85	853	1	1.68	18	1580	21	1.83	9	15	268	<20
M980577		20	4.96	10	1.88	762	2	1.00	33	1450	65	4.51	8	16	167	<20
M980577d		20	5.04	10	1.88	755	2	1.00	34	1450	71	4.53	7	16	167	<20
M980578		20	4.08	10	1.67	1070	1	2.19	24	1570	31	2.33	8	14	323	<20
M980578p		20	4.20	10	1.75	1100	1	2.20	23	1620	30	2.26	8	15	324	<20
M980579		20	3.76	10	1.80	1130	1	2.06	16	1540	20	2.22	6	16	367	<20
M980101		20	0.77	10	1.65	804	1	1.65	37	800	2	0.07	5	15	533	<20
M980102		20	0.40	10	3.78	1260	1	2.12	49	1760	<2	0.14	9	27	750	<20
M980103		20	0.52	10	3.05	1050	<1	2.48	34	970	5	0.11	6	23	728	<20
M980104		20	1.20	10	1.90	889	<1	2.54	12	1850	<2	0.05	5	15	602	<20
M980105		20	0.89	10	3.64	1270	<1	1.72	59	1860	5	0.18	6	21	646	<20
M980106		20	0.68	10	3.02	1280	<1	1.61	37	1350	14	0.16	7	20	662	<20
M980107		20	1.52	20	2.17	1250	2	2.39	38	1150	7	0.36	<5	18	575	<20
M980108		20	1.65	20	2.01	1100	3	2.11	33	950	5	0.14	6	16	682	<20
M980108d		10	1.66	20	1.99	1100	4	2.11	31	960	6	0.14	6	16	681	<20
M980109		20	1.19	20	2.15	1120	2	2.31	28	1310	16	0.12	5	18	750	<20
M980109p		20	1.19	20	2.15	1110	2	2.30	27	1310	15	0.11	6	18	749	<20
M980110		20	1.17	10	2.16	1150	4	2.61	30	1300	37	0.14	6	18	688	<20
M980111		20	0.86	20	1.76	1010	2	2.40	22	1180	13	0.21	6	15	744	<20
M980112		20	1.20	20	2.06	1180	2	1.74	27	1390	6	0.12	<5	16	802	<20
M980113		20	0.59	20	1.78	1080	2	2.65	23	1550	18	0.09	5	14	803	<20
M980114		20	0.75	10	4.51	1230	<1	1.75	142	870	5	0.19	6	20	725	<20
M980115		10	0.96	10	0.88	632	527	2.00	36	570	10	0.97	7	11	235	<20
M980116		20	0.55	10	3.26	1250	1	2.53	46	1430	5	0.32	<5	23	733	<20
M980117		20	0.47	20	3.63	1350	2	2.65	71	1400	16	0.13	7	20	634	<20
M980118		20	0.85	20	2.77	1330	2	2.27	41	2200	4	0.23	5	21	1005	<20
M980118d		20	0.87	20	2.79	1330	2	2.28	41	2180	3	0.23	5	21	997	<20
M980119		20	0.82	20	2.82	1390	2	2.06	36	2040	5	0.34	6	24	831	<20
M980119p		20	0.84	20	2.84	1390	1	2.00	38	1970	7	0.33	6	23	788	<20
M980120		20	1.49	20	2.10	1160	2	2.12	23	2150	2	0.48	5	17	586	<20
M980121		20	1.15	20	1.69	831	2	3.13	10	1980	4	0.24	6	12	599	<20
M980122		20	0.99	10	3.60	1530	2	1.97	61	1130	8	0.13	6	20	528	<20

Comments: ***Corrected copy with sample ID prefix M980 corrected to M978 for samples #135- 141***



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CERTIFICATE OF ANALYSIS TR12195622

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	Ag- OG62	Cu- OG62
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Ag ppm	Cu %
		0.01	10	10	1	10	2	1	0.001
M980568		0.24	<10	<10	86	10	108		
M980569		0.32	<10	<10	143	10	1880		
M980570		0.34	<10	<10	159	10	68		
M980571		0.36	10	<10	164	10	133		
M980572		0.36	<10	<10	154	<10	130		
M980573		0.40	<10	<10	173	10	93		
M980574		0.41	<10	<10	188	<10	135		
M980575		0.26	<10	<10	86	40	80	1.360	
M980576		0.38	<10	<10	176	<10	82		
M980577		0.39	<10	<10	178	10	130		
M980577d		0.40	<10	<10	179	10	131		
M980578		0.38	<10	<10	169	<10	206		
M980578p		0.38	<10	<10	174	<10	190		
M980579		0.37	<10	<10	170	<10	144		
M980101		0.44	<10	<10	123	<10	48		
M980102		0.65	<10	<10	234	<10	71		
M980103		0.48	<10	<10	187	<10	63		
M980104		0.57	<10	<10	162	<10	44		
M980105		0.68	<10	<10	186	<10	81		
M980106		0.58	<10	<10	196	<10	123		
M980107		0.51	<10	<10	154	<10	104		
M980108		0.45	<10	<10	135	<10	92		
M980108d		0.45	<10	<10	135	<10	91		
M980109		0.52	<10	<10	157	<10	102		
M980109p		0.51	<10	<10	155	<10	101		
M980110		0.51	<10	<10	159	<10	113		
M980111		0.49	<10	<10	131	<10	74		
M980112		0.52	<10	<10	138	<10	110		
M980113		0.47	<10	<10	141	<10	237		
M980114		0.44	<10	<10	174	<10	90		
M980115		0.27	<10	<10	88	40	82	1.325	
M980116		0.61	10	<10	200	<10	70		
M980117		0.55	<10	<10	171	<10	80		
M980118		0.77	<10	<10	195	<10	70		
M980118d		0.76	<10	<10	193	<10	69		
M980119		0.78	<10	<10	210	<10	79		
M980119p		0.78	<10	<10	212	<10	81		
M980120		0.68	<10	<10	158	<10	48		
M980121		0.52	<10	<10	135	<10	41		
M980122		0.66	<10	<10	194	<10	129		

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CERTIFICATE OF ANALYSIS TR12195622

Sample Description	Method Analyte Units LOR	WEI- 21	Au- AA23	Au- GRA21	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61
		Recvd Wt. kg	Au g/t	Au g/t	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.05	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01
M980123		10.11	0.021		<0.5	7.69	<5	1840	1.1	3	5.54	<0.5	23	78	14	5.88
M980124		9.79	0.017		<0.5	7.60	6	1560	1.1	4	3.96	<0.5	21	32	34	5.92
M980125		5.09	0.011		0.9	5.27	5	840	0.9	4	5.08	5.4	18	34	150	4.94
M980126		11.57	0.018		0.5	7.54	19	1070	1.0	3	4.08	<0.5	17	42	59	4.85
M980127		11.28	0.042		0.5	7.39	53	1320	1.0	2	4.16	<0.5	18	60	58	4.76
M980128		12.77	0.010		0.5	7.17	25	740	1.0	4	4.70	<0.5	17	102	75	4.28
M980128d			0.010		0.6	7.20	24	740	1.0	2	4.70	<0.5	18	102	74	4.28
M980129		11.35	0.006		<0.5	6.96	18	480	0.9	4	4.79	<0.5	16	111	58	3.78
M980129p			0.006		<0.5	7.10	19	500	1.0	<2	4.88	<0.5	16	110	60	3.84
M980130		0.12	0.601		>100	7.42	46	1090	1.2	4	2.34	55.0	12	21	4530	3.83
M980131		12.11	0.007		0.6	7.38	26	560	1.1	3	4.81	<0.5	17	87	84	4.53
M980132		9.99	<0.005		0.6	7.16	27	540	1.0	3	4.27	<0.5	18	81	74	4.77
M980133		12.25	0.005		<0.5	7.24	30	570	0.9	3	4.49	<0.5	18	106	71	4.65
M980134		12.49	<0.005		0.6	7.56	55	740	1.0	5	4.10	<0.5	14	52	65	4.28
M980135		11.98	0.013		0.6	7.33	37	730	1.1	4	4.45	<0.5	12	42	64	4.19
M980136		11.98	0.007		0.6	7.39	32	670	1.3	2	3.51	<0.5	16	68	96	4.50
M980137		11.51	0.006		0.8	7.60	43	750	1.1	2	3.58	<0.5	16	69	89	4.50
M980138		11.34	<0.005		0.5	7.18	53	740	1.0	2	4.33	<0.5	16	92	71	4.39
M980138d			<0.005		0.6	7.23	55	740	1.0	3	4.33	<0.5	16	90	70	4.46
M980139		10.39	<0.005		<0.5	7.92	9	750	0.9	2	3.52	<0.5	11	18	28	4.19
M980139p			<0.005		<0.5	7.73	<5	740	0.9	2	3.48	<0.5	11	18	29	4.13
M980140		11.68	0.005		<0.5	7.55	14	720	1.0	4	4.23	<0.5	11	37	38	4.02
M980141		11.64	<0.005		<0.5	6.91	28	520	1.2	<2	5.09	<0.5	13	66	72	3.28
M980142		12.93	0.005		0.6	7.07	25	550	1.2	<2	4.51	<0.5	14	56	62	3.59
M980143		13.20	<0.005		0.9	6.78	22	560	1.0	4	5.37	<0.5	15	110	79	3.93
M980144		10.84	0.006		0.8	6.73	22	660	1.1	2	5.98	<0.5	15	104	81	3.79
M980145		0.74	<0.005		<0.5	0.07	<5	20	<0.5	<2	19.2	<0.5	1	<1	3	0.46
M980146		12.81	0.005		0.9	6.67	21	610	0.9	4	5.51	<0.5	19	148	97	4.22
M980147		11.98	<0.005		<0.5	7.01	17	690	1.0	<2	4.90	<0.5	17	94	60	4.11
M980148		12.03	<0.005		<0.5	7.28	6	860	1.4	<2	3.62	<0.5	11	14	25	3.55
M980148d			<0.005		<0.5	7.97	<5	930	1.6	4	3.93	<0.5	11	15	26	3.85
M980149		12.41	<0.005		<0.5	7.59	8	830	1.3	2	2.91	<0.5	12	19	28	3.90
M980149p			<0.005		<0.5	7.49	6	830	1.3	2	2.93	<0.5	11	19	28	3.91
M980150		12.86	0.006		<0.5	6.97	14	750	1.2	3	4.47	<0.5	9	16	22	3.47
M980151		10.81	0.006		<0.5	7.43	15	780	1.2	4	4.09	<0.5	10	18	23	3.76
M980152		12.32	0.009		<0.5	7.73	26	760	1.2	2	3.84	<0.5	16	23	36	4.77
M980153		12.07	0.006		<0.5	8.50	30	720	1.1	<2	3.62	<0.5	16	33	36	5.36
M980154		11.19	0.007		<0.5	8.23	40	850	1.1	<2	3.79	<0.5	16	27	37	5.14
M980155		12.65	0.005		<0.5	8.41	31	740	1.0	<2	4.87	<0.5	21	77	42	5.71
M980156		11.48	<0.005		<0.5	8.75	14	890	1.3	<2	3.01	<0.5	14	33	37	5.12

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CERTIFICATE OF ANALYSIS TR12195622

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	
		Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
		10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20
M980123		20	1.30	20	2.98	1325	1	1.59	51	1720	14	0.14	5	20	747	<20
M980124		10	2.08	10	2.09	1050	1	1.32	37	550	8	0.45	<5	20	490	<20
M980125		10	1.34	10	1.45	1305	1	1.29	22	810	8	0.84	6	13	543	<20
M980126		10	1.52	20	2.03	1160	<1	2.13	30	1330	7	0.26	<5	17	523	<20
M980127		20	1.90	20	2.02	924	<1	1.54	39	1260	8	0.31	<5	16	485	<20
M980128		20	2.52	10	2.13	743	1	1.17	79	1130	17	0.96	<5	13	380	<20
M980128d		20	2.52	20	2.15	742	1	1.16	80	1140	14	0.96	7	13	382	<20
M980129		10	1.65	10	1.94	743	1	2.02	82	960	9	0.73	5	11	384	<20
M980129p		20	1.72	10	1.97	751	<1	2.02	84	1000	10	0.75	5	12	389	<20
M980130		20	2.21	20	0.67	578	35	2.48	10	800	9520	1.57	148	7	670	<20
M980131		20	2.04	20	2.48	782	<1	1.60	72	1190	14	0.85	9	14	456	<20
M980132		10	1.80	10	2.21	747	<1	1.78	62	1090	10	0.59	7	17	405	<20
M980133		20	2.04	10	2.24	859	<1	1.60	65	1150	24	0.38	5	16	417	<20
M980134		20	2.55	20	1.76	883	<1	1.42	38	1330	8	0.37	<5	12	401	<20
M980135		20	2.48	20	1.57	975	<1	1.54	30	1280	22	0.48	5	11	420	<20
M980136		20	2.36	20	2.22	732	<1	1.52	53	1330	8	0.30	<5	12	350	<20
M980137		20	2.10	20	2.07	783	<1	2.31	59	1310	15	0.28	<5	13	390	<20
M980138		20	1.86	20	2.15	875	<1	2.26	62	1150	8	0.32	8	14	435	<20
M980138d		20	1.87	20	2.16	880	<1	2.26	62	1150	9	0.31	<5	14	437	<20
M980139		20	1.68	20	1.56	1085	<1	3.07	16	1390	6	0.35	<5	10	377	<20
M980139p		20	1.66	20	1.52	1080	<1	3.01	15	1380	6	0.38	<5	10	370	<20
M980140		20	2.52	20	1.51	1040	<1	1.61	29	1380	6	0.57	5	10	339	<20
M980141		20	1.94	20	1.55	758	<1	1.63	56	940	14	0.49	6	10	350	<20
M980142		20	2.22	20	1.56	741	1	1.49	43	930	14	0.72	<5	12	316	<20
M980143		20	1.68	10	1.93	816	2	1.82	75	980	19	1.04	5	13	355	<20
M980144		10	1.78	10	1.74	1015	3	1.40	85	900	19	0.76	<5	10	405	<20
M980145		<10	0.03	10	11.55	208	<1	0.01	1	210	3	<0.01	<5	<1	30	<20
M980146		20	1.83	10	2.34	951	5	0.98	116	900	16	0.86	<5	14	375	<20
M980147		10	1.56	10	2.08	1235	<1	1.29	71	950	14	0.23	<5	14	432	<20
M980148		20	1.94	20	0.94	1980	2	1.33	14	680	12	0.50	5	11	327	<20
M980148d		20	2.11	20	1.02	2140	2	1.43	15	750	13	0.54	<5	12	358	<20
M980149		20	1.99	20	0.96	2070	2	1.29	15	730	12	0.66	<5	13	311	<20
M980149p		20	1.97	20	0.94	2080	1	1.28	17	720	11	0.66	<5	13	312	<20
M980150		20	1.85	20	0.80	2170	2	1.57	12	710	11	0.68	<5	11	396	<20
M980151		20	1.83	20	0.84	2220	1	1.84	15	780	12	0.85	6	12	408	<20
M980152		20	1.69	20	0.96	2960	<1	2.25	24	880	15	1.71	6	17	427	<20
M980153		20	1.79	10	1.19	2640	2	2.38	24	1050	13	1.17	<5	19	426	<20
M980154		20	1.97	10	1.19	2600	1	1.60	22	870	10	0.93	<5	18	382	<20
M980155		20	1.87	10	2.16	2370	1	1.48	42	1260	9	0.38	<5	22	426	<20
M980156		20	2.21	10	1.18	2390	1	1.60	22	860	12	0.64	<5	19	337	<20

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CERTIFICATE OF ANALYSIS TR12195622

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	Ag- OG62	Cu- OG62
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Ag ppm	Cu %
		0.01	10	10	1	10	2	1	0.001
M980123		0.61	<10	<10	187	<10	77		
M980124		0.55	<10	<10	159	<10	81		
M980125		0.24	<10	<10	77	<10	761		
M980126		0.46	<10	10	130	<10	94		
M980127		0.43	<10	<10	152	<10	79		
M980128		0.29	<10	<10	128	<10	62		
M980128d		0.28	<10	<10	127	<10	61		
M980129		0.27	<10	<10	111	<10	68		
M980129p		0.27	<10	<10	114	<10	73		
M980130		0.22	<10	<10	75	<10	7560	101	
M980131		0.34	<10	<10	135	<10	71		
M980132		0.38	<10	<10	172	<10	119		
M980133		0.41	<10	<10	154	<10	99		
M980134		0.32	<10	<10	125	<10	68		
M980135		0.30	<10	<10	113	<10	67		
M980136		0.37	<10	<10	141	<10	73		
M980137		0.38	<10	<10	140	<10	99		
M980138		0.38	<10	10	142	<10	78		
M980138d		0.38	<10	<10	143	<10	81		
M980139		0.29	<10	10	111	<10	73		
M980139p		0.29	<10	<10	110	<10	72		
M980140		0.30	<10	<10	121	<10	59		
M980141		0.28	<10	10	99	<10	76		
M980142		0.30	<10	10	120	<10	74		
M980143		0.29	<10	10	130	<10	103		
M980144		0.28	<10	<10	112	<10	83		
M980145		<0.01	<10	<10	1	<10	15		
M980146		0.30	<10	<10	139	<10	105		
M980147		0.34	<10	<10	113	<10	97		
M980148		0.31	<10	10	80	<10	84		
M980148d		0.33	<10	10	86	<10	89		
M980149		0.32	<10	<10	95	<10	90		
M980149p		0.32	<10	<10	93	<10	89		
M980150		0.30	<10	<10	84	<10	76		
M980151		0.32	<10	<10	91	<10	78		
M980152		0.34	<10	10	119	<10	108		
M980153		0.42	<10	<10	145	<10	127		
M980154		0.36	<10	<10	131	<10	110		
M980155		0.53	<10	<10	183	<10	95		
M980156		0.41	<10	<10	139	<10	119		

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CERTIFICATE OF ANALYSIS TR12195622

Sample Description	Method	WEI- 21	Au- AA23	Au- GRA21	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units		kg	g/t	g/t	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR		0.02	0.005	0.05	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01
M980157		11.39	0.005		<0.5	8.14	19	690	0.9	<2	4.54	<0.5	19	63	38	5.50
M980158		11.82	0.007		<0.5	8.70	40	1260	1.2	<2	3.06	<0.5	15	27	37	5.14
M980158d			0.009		<0.5	8.86	30	1280	1.2	<2	3.08	<0.5	15	28	37	5.21
M980159		8.72	0.050		1.1	8.28	75	2540	1.3	<2	2.75	<0.5	14	27	35	4.89
M980159p			0.064		1.4	8.38	92	2630	1.3	<2	2.87	<0.5	15	26	34	5.08
M980160		0.10	7.76	7.68	13.4	6.38	53	390	0.7	<2	4.10	4.1	37	39	>10000	7.99
M980161		7.48	0.021		1.4	7.66	54	2290	1.4	<2	2.14	0.9	9	28	68	2.87
M980162		11.77	0.104		2.2	7.32	113	1140	1.2	<2	5.29	0.5	18	133	71	4.48
M980163		10.08	0.020		1.0	7.61	70	1190	1.1	<2	4.03	<0.5	14	107	67	3.83
M980164		11.90	0.006		1.3	7.65	67	970	1.0	<2	4.22	<0.5	17	135	83	4.37
M980165		11.44	0.007		1.8	7.51	63	880	0.9	<2	4.08	<0.5	18	142	70	4.14
M980166		11.93	0.012		2.6	7.44	135	850	1.0	<2	4.16	1.2	16	125	79	4.11
M980167		10.76	0.017		2.0	7.16	50	670	1.1	<2	5.55	1.2	12	124	41	3.49
M980168		11.50	<0.005		<0.5	7.04	<5	1690	1.0	<2	1.32	<0.5	2	3	42	1.18
M980168d			<0.005		<0.5	7.03	5	1720	1.1	<2	1.35	<0.5	1	4	13	1.20
M980169		12.50	0.007		1.4	7.55	11	1490	1.2	<2	0.77	<0.5	6	5	39	2.11
M980169p			0.006		1.5	7.62	12	1480	1.2	<2	0.79	<0.5	6	3	40	2.24
M980170		11.68	0.021		0.9	7.72	6	1490	1.3	<2	1.16	0.8	7	2	44	2.61
M980171		11.98	<0.005		<0.5	7.62	13	1340	1.3	<2	0.79	<0.5	2	6	16	1.59
M980172		12.10	<0.005		0.6	7.56	12	1470	1.2	<2	0.95	<0.5	2	4	16	1.50
M980173		13.77	<0.005		<0.5	6.97	<5	1290	1.0	<2	1.23	<0.5	1	1	25	0.95
M980174		11.35	<0.005		<0.5	7.13	6	1280	1.0	<2	1.38	<0.5	1	1	10	1.00
M980175		0.11	1.285		4.7	5.64	20	570	0.7	<2	1.70	<0.5	12	51	>10000	3.93
M980176		12.23	<0.005		<0.5	7.09	<5	1250	0.9	<2	0.96	<0.5	1	3	8	0.87
M980177		9.78	0.006		1.2	7.20	8	1090	1.0	<2	1.54	<0.5	2	7	23	1.18
M980178		7.67	0.090		7.6	7.43	48	1490	1.4	<2	2.33	3.1	12	21	69	4.17
M980178d			0.087		7.4	7.09	48	1450	1.3	<2	2.26	3.1	11	20	69	4.07
M980179		10.36	0.024		1.8	8.26	38	940	1.1	<2	4.57	<0.5	21	20	131	6.17
M980179p			0.030		2.0	7.84	33	920	1.0	<2	4.41	<0.5	21	20	129	5.90
M980180		12.22	0.032		1.3	6.62	57	1020	1.1	<2	6.12	<0.5	12	17	41	4.03
M980181		11.49	<0.005		0.6	4.98	10	530	0.6	<2	8.65	<0.5	12	24	50	3.35
M980182		11.45	0.007		0.7	6.09	14	370	0.6	<2	6.86	3.9	15	38	51	4.02
M980183		11.80	<0.005		0.5	5.10	12	460	0.6	2	7.10	0.5	12	34	57	3.85
M980184		12.15	0.008		0.8	5.60	54	210	0.9	2	8.64	0.8	13	46	64	3.88
M980185		12.01	<0.005		<0.5	7.57	16	840	1.0	<2	5.18	0.6	17	34	70	5.00
M980186		11.70	0.005		<0.5	5.86	20	900	0.8	<2	6.30	<0.5	16	44	56	4.33
M980187		11.15	<0.005		<0.5	5.98	<5	620	0.8	<2	7.75	0.7	16	64	44	4.25
M980188		11.98	<0.005		<0.5	6.00	6	470	0.6	3	3.37	<0.5	18	71	61	4.89
M980188d			<0.005		<0.5	6.03	6	470	0.6	<2	3.37	<0.5	18	71	63	4.99
M980189		12.26	<0.005		<0.5	5.30	96	300	0.6	<2	7.38	<0.5	10	22	51	3.65

Comments: ***Corrected copy with sample ID prefix M980 corrected to M978 for samples #135- 141***



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CERTIFICATE OF ANALYSIS TR12195622

Sample Description	Method	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	
	Analyte Units LOR	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
		10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20
M980157		20	1.69	10	1.98	2220	1	1.43	37	1200	10	0.50	<5	20	404	<20
M980158		20	2.53	10	1.10	2610	1	1.42	20	790	14	0.91	<5	18	395	<20
M980158d		20	2.57	10	1.13	2620	1	1.44	21	810	15	0.90	<5	19	402	<20
M980159		20	3.49	10	1.13	2330	2	0.50	18	770	13	1.08	<5	17	380	<20
M980159p		20	3.61	10	1.16	2340	2	0.49	20	790	14	1.11	<5	18	389	<20
M980160		10	1.48	10	1.44	715	418	1.68	50	1010	78	5.27	51	14	290	<20
M980161		20	3.54	20	0.94	662	2	0.29	16	550	22	0.97	<5	8	259	<20
M980162		20	3.06	10	1.98	1515	3	0.59	92	1080	70	0.60	<5	13	503	<20
M980163		20	2.64	10	1.99	978	2	1.66	75	1070	15	0.38	<5	11	376	<20
M980164		20	2.56	10	2.34	960	2	1.86	95	1160	17	0.46	<5	12	363	<20
M980165		20	2.64	10	2.22	936	2	1.71	97	1060	22	0.56	<5	11	364	<20
M980166		20	2.78	10	2.25	944	2	1.43	96	1070	23	0.51	<5	11	421	<20
M980167		20	2.90	10	1.75	1400	3	1.18	70	710	77	0.49	<5	10	352	<20
M980168		10	3.42	20	0.42	477	3	1.78	1	220	14	0.21	<5	2	189	<20
M980168d		10	3.43	20	0.42	489	1	1.80	1	210	13	0.21	<5	2	192	<20
M980169		20	3.09	20	0.70	399	1	1.64	1	520	26	0.29	<5	4	178	<20
M980169p		10	3.07	20	0.74	412	1	1.61	1	570	22	0.30	<5	5	182	<20
M980170		20	3.39	20	0.84	628	2	1.38	1	660	67	0.47	<5	6	215	<20
M980171		20	3.57	20	0.56	443	1	1.36	3	390	13	0.37	<5	3	139	<20
M980172		10	3.63	20	0.49	420	1	1.48	1	320	14	0.39	<5	3	155	<20
M980173		10	2.85	20	0.32	362	1	1.80	<1	120	8	0.16	<5	1	195	<20
M980174		10	3.12	20	0.37	457	3	1.92	<1	180	14	0.12	<5	2	178	<20
M980175		10	0.99	10	0.89	609	515	2.02	33	580	11	0.93	<5	11	245	<20
M980176		10	3.12	20	0.32	321	2	2.08	<1	130	14	0.11	<5	1	153	<20
M980177		10	2.94	20	0.40	472	1	2.28	2	250	117	0.28	<5	2	190	<20
M980178		20	3.69	10	1.37	1335	2	0.54	13	820	186	1.27	<5	12	276	<20
M980178d		20	3.60	10	1.31	1300	2	0.53	11	800	173	1.25	<5	11	268	<20
M980179		20	2.99	10	1.92	1920	2	1.45	14	1420	15	0.81	<5	20	473	<20
M980179p		20	2.91	10	1.85	1865	2	1.40	15	1420	13	0.78	<5	19	460	<20
M980180		20	2.82	10	2.37	1130	3	0.96	10	880	21	1.86	<5	12	488	<20
M980181		10	1.65	10	3.19	849	6	1.13	12	850	7	2.14	<5	13	390	<20
M980182		20	1.62	10	2.60	1125	5	1.50	18	750	29	1.76	<5	17	315	<20
M980183		10	1.17	10	2.47	973	2	1.18	28	890	7	2.34	<5	15	503	<20
M980184		10	1.58	20	1.89	1055	1	1.18	29	990	2	3.40	<5	14	966	<20
M980185		20	1.44	20	2.29	1150	<1	2.30	27	1470	18	0.31	<5	16	429	<20
M980186		10	1.42	20	2.67	997	<1	1.36	29	820	<2	1.75	<5	17	375	<20
M980187		10	1.20	10	2.64	1045	2	1.51	35	1100	5	2.60	<5	18	396	<20
M980188		10	0.48	10	2.43	945	<1	2.21	35	820	<2	0.68	<5	20	199	<20
M980188d		10	0.49	10	2.48	952	<1	2.20	36	810	<2	0.67	<5	21	202	<20
M980189		10	1.09	10	3.52	1400	2	1.34	15	740	3	1.86	<5	15	253	<20

Comments: ***Corrected copy with sample ID prefix M980 corrected to M978 for samples #135- 141***



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CERTIFICATE OF ANALYSIS TR12195622

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	Ag- OG62	Cu- OG62
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Ag ppm	Cu %
		0.01	10	10	1	10	2	1	0.001
M980157		0.48	<10	<10	167	<10	103		
M980158		0.38	<10	<10	136	<10	120		
M980158d		0.39	<10	<10	137	<10	122		
M980159		0.36	<10	<10	122	<10	103		
M980159p		0.38	<10	<10	127	10	108		
M980160		0.34	<10	<10	150	10	157		3.42
M980161		0.21	<10	<10	70	<10	137		
M980162		0.31	<10	<10	131	<10	117		
M980163		0.31	<10	<10	119	<10	94		
M980164		0.32	<10	<10	125	<10	96		
M980165		0.29	<10	<10	124	<10	126		
M980166		0.29	<10	<10	112	<10	173		
M980167		0.26	<10	<10	108	<10	177		
M980168		0.11	<10	<10	23	<10	35		
M980168d		0.11	<10	<10	24	<10	38		
M980169		0.18	<10	<10	57	<10	53		
M980169p		0.19	<10	<10	61	<10	56		
M980170		0.22	<10	<10	74	<10	92		
M980171		0.15	<10	<10	43	<10	42		
M980172		0.14	<10	<10	35	<10	49		
M980173		0.09	<10	<10	13	<10	18		
M980174		0.11	<10	<10	19	<10	24		
M980175		0.26	<10	<10	87	30	85		1.315
M980176		0.10	<10	10	14	<10	19		
M980177		0.12	<10	<10	25	<10	55		
M980178		0.30	<10	<10	121	<10	512		
M980178d		0.29	<10	<10	119	<10	498		
M980179		0.46	<10	<10	220	<10	95		
M980179p		0.46	<10	<10	216	<10	95		
M980180		0.33	<10	<10	142	<10	63		
M980181		0.33	<10	<10	156	<10	43		
M980182		0.33	<10	<10	146	<10	248		
M980183		0.36	<10	<10	158	<10	83		
M980184		0.38	<10	<10	143	<10	86		
M980185		0.47	<10	<10	181	<10	111		
M980186		0.42	<10	<10	163	<10	73		
M980187		0.44	<10	<10	177	<10	104		
M980188		0.47	<10	<10	189	<10	100		
M980188d		0.46	<10	<10	189	<10	101		
M980189		0.34	<10	<10	167	<10	23		

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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA23 Au g/t	Au- GRA21 Au g/t	ME- ICP61 Ag ppm	ME- ICP61 Al %	ME- ICP61 As ppm	ME- ICP61 Ba ppm	ME- ICP61 Be ppm	ME- ICP61 Bi ppm	ME- ICP61 Ca %	ME- ICP61 Cd ppm	ME- ICP61 Co ppm	ME- ICP61 Cr ppm	ME- ICP61 Cu ppm	ME- ICP61 Fe %
		0.02	0.005	0.05	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01
M980189p			<0.005		<0.5	5.25	101	300	0.6	<2	7.44	<0.5	12	22	53	3.66
M980190		0.11	0.669		99.0	7.25	48	1580	1.2	4	2.35	55.4	11	22	4600	3.67
M980191		11.93	<0.005		<0.5	5.42	<5	560	0.6	2	5.21	<0.5	11	17	59	3.97
M980192		12.54	<0.005		<0.5	6.47	<5	960	0.7	<2	4.31	<0.5	15	17	96	5.16
M980193		12.57	<0.005		<0.5	7.30	9	760	0.7	<2	4.89	<0.5	20	69	56	5.27
M980194		12.31	<0.005		<0.5	5.45	7	460	0.6	<2	4.14	<0.5	15	42	44	4.57
M980195		11.62	<0.005		<0.5	4.69	<5	210	0.5	2	9.77	0.6	13	30	50	3.81
M980196		12.96	0.006		1.5	7.12	5	810	0.8	<2	8.19	<0.5	21	41	105	5.35
M980197		12.75	<0.005		0.8	7.94	<5	950	1.1	<2	4.50	<0.5	17	20	49	5.06
M980198		12.51	<0.005		<0.5	7.21	<5	1120	2.6	<2	2.41	<0.5	2	4	6	1.84
M980198d			<0.005		<0.5	7.05	<5	1090	2.5	<2	2.37	<0.5	1	4	5	1.77
M980199		12.25	0.010		1.0	7.41	11	1030	1.6	<2	4.70	<0.5	14	32	51	4.00
M980199p			0.008		0.8	7.48	11	1040	1.5	<2	4.64	<0.5	14	34	49	4.10
M980200		0.11	7.91	7.93	13.3	6.13	51	80	0.7	2	4.18	4.6	36	41	>10000	7.67
M978201		12.85	0.056		1.7	7.99	24	1160	1.7	<2	3.45	<0.5	14	27	48	4.63
M978202		12.65	0.015		1.0	8.61	29	1110	1.7	2	2.87	<0.5	13	25	40	4.71
M978203		12.13	0.012		0.9	8.11	25	1510	2.1	<2	2.83	<0.5	12	20	33	4.21
M978204		12.25	0.007		0.8	5.67	22	770	1.2	2	8.03	<0.5	20	205	69	4.15
M978205		12.68	0.009		0.7	6.75	25	1180	1.3	<2	4.61	<0.5	19	196	98	4.08
M978206		13.61	<0.005		<0.5	7.32	17	710	1.8	<2	4.78	<0.5	32	258	54	6.37
M978207		12.57	0.008		0.5	6.45	35	980	1.0	<2	4.20	0.5	25	311	68	4.84

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CERTIFICATE OF ANALYSIS TR12195622

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	
		Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
		10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20
M980189p		10	1.12	10	3.55	1415	2	1.36	14	750	6	1.90	<5	15	257	<20
M980190		20	2.25	10	0.69	582	35	2.57	10	800	9650	1.60	147	7	668	<20
M980191		10	0.88	10	2.32	1005	<1	2.01	12	660	4	1.96	<5	15	355	<20
M980192		10	0.66	10	2.33	1110	<1	2.70	14	840	<2	1.08	<5	20	273	<20
M980193		10	1.45	10	2.88	908	<1	1.64	41	1150	3	0.86	<5	22	190	<20
M980194		10	1.03	10	2.03	842	<1	1.44	26	620	<2	1.01	<5	17	136	<20
M980195		10	0.64	10	2.48	1085	1	1.71	23	680	<2	4.91	<5	14	773	<20
M980196		20	1.59	20	2.62	1190	<1	1.86	33	1350	3	2.83	<5	19	985	<20
M980197		20	1.68	10	1.92	1310	<1	2.70	15	1050	4	0.19	<5	14	546	<20
M980198		20	3.36	30	0.58	972	<1	0.48	2	380	8	0.15	<5	5	308	<20
M980198d		20	3.29	30	0.56	954	<1	0.48	3	360	7	0.15	<5	4	300	<20
M980199		20	2.76	20	1.79	1295	<1	1.43	22	860	5	0.68	<5	14	619	<20
M980199p		20	2.75	20	1.79	1290	<1	1.43	21	860	7	0.68	<5	14	627	<20
M980200		10	1.46	10	1.42	735	425	1.69	47	1000	71	5.60	54	14	278	<20
M978201		20	3.12	20	1.23	1485	<1	1.18	19	820	3	1.60	<5	16	379	<20
M978202		20	3.26	20	0.96	1910	<1	1.28	20	730	7	1.39	<5	17	336	<20
M978203		20	4.01	20	1.12	1875	<1	0.50	18	670	9	1.42	<5	14	242	<20
M978204		10	1.26	20	3.50	1015	<1	0.13	141	1040	12	0.68	<5	15	648	<20
M978205		20	2.24	10	2.77	708	<1	0.12	116	1280	18	0.77	<5	16	301	<20
M978206		20	1.56	20	3.17	1110	<1	0.57	161	2090	9	0.68	<5	22	435	<20
M978207		10	1.63	10	4.05	947	<1	1.51	200	1390	7	0.61	<5	18	444	<20

Comments: ***Corrected copy with sample ID prefix M980 corrected to M978 for samples #135- 141***



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Project: Bronson Creek

CERTIFICATE OF ANALYSIS TR12195622

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	Ag- OG62	Cu- OG62
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Ag ppm	Cu %
		0.01	10	10	1	10	2	1	0.001
M980189p		0.36	<10	<10	169	<10	22		
M980190		0.23	10	<10	78	20	7590		
M980191		0.37	<10	<10	152	<10	60		
M980192		0.48	10	<10	189	<10	91		
M980193		0.46	<10	<10	154	<10	87		
M980194		0.41	<10	<10	152	<10	80		
M980195		0.35	<10	<10	149	<10	77		
M980196		0.47	<10	<10	199	<10	94		
M980197		0.43	<10	<10	162	<10	112		
M980198		0.28	<10	<10	33	<10	63		
M980198d		0.27	<10	<10	32	<10	57		
M980199		0.39	<10	<10	135	<10	91		
M980199p		0.38	<10	<10	130	<10	89		
M980200		0.34	<10	<10	151	10	151		3.31
M978201		0.37	<10	<10	140	10	76		
M978202		0.38	<10	<10	125	<10	108		
M978203		0.37	<10	<10	124	<10	96		
M978204		0.24	<10	<10	163	<10	93		
M978205		0.29	<10	<10	165	<10	104		
M978206		0.93	<10	<10	225	<10	113		
M978207		0.28	<10	10	177	<10	154		

Comments: ***Corrected copy with sample ID prefix M980 corrected to M978 for samples #135- 141***



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CERTIFICATE TR12199608

Project: Bronson Creek
 P.O. No.: 54- 011401
 This report is for 2 Crushed Core samples submitted to our lab in Terrace, BC, Canada on 27- AUG- 2012.
 The following have access to data associated with this certificate:

JENNIFER BURGESS JIM SPARLING	WILLIAM HAY JOHN ZBEETNOFF	SUSAN HENDERSON
----------------------------------	-------------------------------	-----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND- 03	Find Reject for Addn Analysis
BAG- 01	Bulk Master for Storage
SPL- 21	Split sample - riffle splitter
PUL- 32	Pulverize 1000g to 85% < 75 um
SCR- 21	Screen to - 100 to 106 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- SCR21	Au Screen Fire Assay - 100 to 106 um	WST- SIM
Au- AA25	Ore Grade Au 30g FA AA finish	AAS
Au- AA25D	Ore Grade Au 30g FA AA Dup	AAS

To: **SNIPGOLD CORP.**
ATTN: WILLIAM HAY
611 - 675 WEST HASTINGS ST.
VANCOUVER BC V6B 1N2

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

Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: Bronson Creek

CERTIFICATE OF ANALYSIS TR12199608

Sample Description	Method Analyte Units LOR	Au- SCR21	Au- SCR21	Au- SCR21	Au- SCR21	Au- SCR21	Au- SCR21	Au- AA25	Au- AA25D
		Au Total g/t	Au (+) F g/t	Au (-) F g/t	Au (+) m mg	WT. + Fr g	WT. - Fr g	Au g/t	Au g/t
M980276		10.85	211	8.08	2.995	14.21	1028.5	8.02	8.13
M980279		56.4	603	48.8	8.742	14.51	1036.5	46.2	51.3



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 18- JAN- 2013
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CERTIFICATE TR12199609

Project: Bronson Creek
 P.O. No.: 54- 011401
 This report is for 172 Drill Core samples submitted to our lab in Terrace, BC, Canada on 25- AUG- 2012.
 The following have access to data associated with this certificate:

JENNIFER BURGESS JIM SPARLING	WILLIAM HAY JOHN ZBEETNOFF	SUSAN HENDERSON
----------------------------------	-------------------------------	-----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22d	Sample login - Rcd w/o BarCode dup
PUL- 32d	Pulverize Split - Dup 85% < 75um
BAG- 01	Bulk Master for Storage
SPL- 21d	Split sample - duplicate
SPL- 34	Pulp Splitting Charge
SPLIT- Z	Pulp split for send out
LOG- 23	Pulp Login - Rcvd with Barcode
LOG- 21	Sample logging - ClientBarCode
CRU- 31	Fine crushing - 70% < 2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 32	Pulverize 1000g to 85% < 75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Cu- OG62	Ore Grade Cu - Four Acid	VARIABLE
Zn- OG62	Ore Grade Zn - Four Acid	VARIABLE
As- OG62	Ore Grade As - Four Acid	VARIABLE
S- OG62	Ore Grade S- Four Acid	VARIABLE
Au- AA23	Au 30g FA- AA finish	AAS
Au- GRA21	Au 30g FA- GRAV finish	WST- SIM
ME- ICP61	33 element four acid ICP- AES	ICP- AES
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE

To: **SNIPGOLD CORP.**
ATTN: WILLIAM HAY
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Comments: **Corrected Copy for Au- AA23 and ME- ICP61 on Samples M980527 - M980533 & M978188 - M978191.**

Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: Bronson Creek

CERTIFICATE OF ANALYSIS TR12199609

Sample Description	Method Analyte Units LOR	WEI- 21	Au- AA23	Au- GRA21	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61
		Recvd Wt. kg	Au g/t	Au g/t	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.05	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01
M980501		10.11	<0.005		0.6	8.02	15	1300	1.2	3	2.11	1.5	11	20	83	5.16
M980502		11.23	<0.005		<0.5	7.71	<5	1370	1.2	<2	3.23	<0.5	8	22	98	4.32
M980503		6.66	0.008		0.5	7.80	39	1470	1.2	<2	2.58	<0.5	10	21	71	4.47
M980504		3.93	0.531		12.5	6.39	265	130	1.0	6	4.47	129.0	16	15	111	9.44
M980505		6.44	0.044		2.1	9.43	48	1230	1.4	<2	3.38	1.7	10	14	214	4.70
M980506		6.72	0.178		21.7	7.47	78	980	1.3	7	4.85	10.6	13	13	1655	6.10
M980507		5.97	0.218		26.6	6.28	159	570	1.1	3	6.66	4.3	13	18	3160	7.07
M980508		7.91	0.010		1.9	7.89	6	870	1.4	<2	3.72	4.9	13	71	111	4.57
M980509		9.90	0.033		3.2	7.53	8	820	1.3	2	4.17	12.2	13	78	96	5.07
M980510		8.30	0.037		4.7	7.67	31	870	1.2	4	3.69	27.1	10	69	115	5.56
M980510d			0.038		4.6	7.58	29	860	1.2	2	3.61	25.9	10	68	111	5.51
M980511		9.02	0.061		6.1	6.92	100	250	1.1	4	4.74	10.6	18	42	115	8.15
M980511p			0.059		6.1	7.22	83	320	1.1	3	4.81	9.9	19	43	111	8.17
M980512		12.26	<0.005		1.0	7.73	<5	1060	1.1	3	3.94	0.6	20	111	77	4.69
M980513		6.94	0.013		4.8	8.11	25	1650	1.0	<2	3.32	10.6	15	79	81	5.02
M980514		11.70	<0.005		0.5	7.65	<5	1300	0.9	<2	2.99	<0.5	16	106	111	4.90
M980515		0.11	1.350		5.0	5.74	24	600	0.7	<2	1.85	0.5	14	55	>10000	4.27
M980516		11.11	<0.005		<0.5	7.86	7	1370	1.1	<2	2.96	<0.5	13	57	87	4.55
M980517		11.11	<0.005		0.5	7.37	<5	1180	1.1	2	2.71	0.7	14	74	68	4.89
M980518		7.50	<0.005		0.5	7.62	10	1230	1.1	2	3.45	<0.5	15	55	72	5.49
M980519		11.53	<0.005		0.8	7.69	173	1090	1.1	4	2.39	<0.5	18	65	94	5.75
M980520		8.82	0.052		1.3	6.87	132	570	0.8	5	1.56	5.6	17	99	107	6.49
M980520d			0.056		1.4	6.77	132	480	0.8	3	1.56	5.6	16	96	106	6.47
M980521		11.56	0.121		2.8	7.05	112	920	0.9	3	1.96	3.2	18	120	96	5.18
M980521p			0.094		3.0	7.16	122	1070	0.9	3	2.03	3.6	21	122	103	5.07
M980522		7.16	1.130		29.3	6.86	226	350	0.6	4	1.84	6.8	18	155	1370	6.03
M980523		10.15	0.193		8.7	6.98	366	1370	0.6	8	1.35	1.4	23	138	1055	8.23
M980524		10.33	0.009		0.8	6.85	560	1910	0.6	3	2.02	2.1	8	107	85	3.45
M980525		7.53	0.009		1.1	6.92	1440	2020	0.6	3	1.99	2.8	19	96	75	4.76
M980526		11.10	0.005		0.6	7.26	529	1560	0.8	<2	2.53	1.7	18	119	69	4.36
M980527		10.82	<0.005		1.2	6.70	461	2130	0.8	2	2.24	11.0	11	97	81	3.92
M980528		10.43	0.005		1.4	6.62	489	1800	0.8	2	2.28	10.7	10	86	96	4.03
M980529		10.73	0.006		0.5	6.81	538	1340	0.8	4	1.92	0.9	13	59	85	4.39
M980530		0.10	0.562		91.3	6.80	50	1330	1.1	4	2.23	51.7	10	19	4250	3.47
M980531		12.25	0.005		1.0	6.92	17	1610	0.8	<2	2.00	3.5	10	94	63	3.33
M980531d			0.013		1.0	6.90	15	1600	0.8	<2	1.97	3.9	10	93	58	3.31
M980532		12.35	0.006		0.7	6.91	52	1380	0.6	4	2.06	<0.5	8	105	23	3.20
M980532p			<0.005		<0.5	6.92	45	1390	0.6	3	2.06	<0.5	8	101	24	3.17
M980533		12.52	<0.005		0.6	6.66	11	1420	0.6	<2	1.87	1.2	11	93	48	3.62
M980534		11.21	0.007		0.7	7.91	13	1460	0.7	4	2.91	<0.5	16	48	95	6.30

Comments: **Corrected Copy for Au- AA23 and ME- ICP61 on Samples M980527 - M980533 & M978188 - M978191.**



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 Account: BQL

Project: Bronson Creek

CERTIFICATE OF ANALYSIS TR12199609

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	
		Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
		10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20
M980501		20	4.35	20	2.09	2180	1	1.66	15	2030	35	1.34	<5	11	198	<20
M980502		20	4.37	20	1.96	1915	1	1.56	19	1770	11	0.79	<5	10	254	<20
M980503		20	4.73	20	1.86	1500	<1	1.59	17	1990	16	1.70	<5	10	254	<20
M980504		20	4.04	10	1.29	1485	<1	0.31	12	1350	142	8.41	13	7	269	<20
M980505		20	5.16	30	1.88	1540	1	0.45	12	1960	8	2.12	11	11	242	<20
M980506		20	4.81	20	1.67	2230	<1	0.43	13	2110	997	3.14	17	10	283	<20
M980507		20	3.62	20	1.35	4380	<1	0.12	20	1410	166	4.86	11	9	353	<20
M980508		20	4.53	20	1.96	2520	1	0.18	52	1430	75	1.41	<5	12	252	<20
M980509		20	4.39	10	1.94	2560	<1	0.09	72	1170	202	1.66	8	13	250	<20
M980510		20	4.20	10	1.71	2460	1	0.39	58	1200	310	2.68	6	13	251	<20
M980510d		20	4.13	10	1.69	2410	<1	0.39	57	1190	310	2.78	9	12	250	<20
M980511		20	3.85	10	1.49	2380	1	0.75	49	1280	458	5.91	12	11	326	<20
M980511p		20	3.81	10	1.54	2370	<1	0.75	48	1310	466	5.78	7	12	329	<20
M980512		20	3.91	10	1.88	1770	1	0.99	98	1230	38	1.46	<5	13	306	<20
M980513		20	4.70	10	1.74	1500	2	0.71	69	1300	650	2.19	8	13	348	<20
M980514		20	3.67	10	2.14	1720	1	1.52	93	1210	26	1.50	5	12	318	<20
M980515		10	1.02	10	0.97	665	541	2.17	39	620	10	1.00	<5	12	258	<20
M980516		20	3.74	20	2.10	1620	4	2.48	48	1790	12	1.23	<5	11	391	<20
M980517		20	3.74	10	2.03	1405	1	2.05	53	1690	23	1.14	7	10	343	<20
M980518		20	3.85	20	2.37	1760	1	1.88	46	1900	28	1.48	<5	11	373	<20
M980519		20	4.10	20	2.60	1480	1	1.43	47	1810	52	1.43	<5	14	287	<20
M980520		20	4.18	10	1.73	1055	2	0.94	81	1120	97	4.54	<5	11	213	<20
M980520d		20	4.14	10	1.73	1060	2	0.93	84	1120	96	4.51	<5	11	214	<20
M980521		20	4.41	10	1.81	1085	1	1.08	102	1050	75	2.43	<5	11	312	<20
M980521p		20	4.46	10	1.76	1125	<1	1.08	100	1070	82	2.57	<5	11	326	<20
M980522		20	4.81	10	1.22	829	<1	1.65	89	700	169	5.26	6	10	312	<20
M980523		20	5.02	10	1.31	725	<1	1.24	103	820	129	7.51	6	10	271	<20
M980524		20	4.46	10	1.69	1360	<1	1.65	73	990	98	0.94	<5	9	339	<20
M980525		20	4.46	10	1.85	1295	<1	1.53	87	1110	161	1.69	<5	10	325	<20
M980526		20	3.78	10	2.10	1280	<1	1.91	92	1150	53	0.91	<5	11	347	<20
M980527		10	3.35	10	1.93	1050	1	1.85	78	1040	626	0.92	<5	10	360	<20
M980528		10	3.21	10	1.74	1170	<1	1.71	70	970	327	1.14	<5	10	408	<20
M980529		10	3.20	10	1.87	1210	<1	2.07	48	1120	64	1.16	<5	10	338	<20
M980530		20	2.06	10	0.63	537	33	2.37	11	750	8960	1.45	137	6	626	<20
M980531		10	2.99	10	1.66	1010	<1	2.71	64	790	208	0.82	<5	8	418	<20
M980531d		10	2.97	10	1.65	1000	<1	2.68	64	770	202	0.80	<5	8	415	<20
M980532		20	2.83	10	1.55	1125	<1	2.95	66	580	36	0.91	<5	7	418	<20
M980532p		10	2.84	10	1.55	1120	<1	2.97	67	590	29	0.84	<5	7	425	<20
M980533		10	2.99	10	1.43	1075	<1	2.72	66	600	93	1.20	<5	7	385	<20
M980534		20	4.07	10	1.83	1600	<1	2.88	33	1320	32	2.86	<5	12	536	<20

Comments: **Corrected Copy for Au- AA23 and ME- ICP61 on Samples M980527 - M980533 & M978188 - M978191.**



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Project: Bronson Creek

CERTIFICATE OF ANALYSIS TR12199609

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	Ag- OG62	Cu- OG62	Zn- OG62	As- OG62	S- OG62
		Ti	Ti	U	V	W	Zn	Ag	Cu	Zn	As	S
		%	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
		0.01	10	10	1	10	2	1	0.001	0.001	0.001	0.01
M980501		0.41	<10	<10	172	<10	266					
M980502		0.39	<10	<10	153	10	115					
M980503		0.37	<10	<10	160	<10	112					
M980504		0.25	<10	<10	109	<10	>10000			1.265		
M980505		0.36	<10	10	140	10	234					
M980506		0.34	<10	<10	162	10	1245					
M980507		0.30	<10	<10	125	10	549					
M980508		0.34	<10	<10	136	10	668					
M980509		0.31	<10	<10	125	<10	1475					
M980510		0.29	<10	<10	125	<10	2570					
M980510d		0.28	<10	10	123	<10	2430					
M980511		0.30	<10	<10	153	<10	1235					
M980511p		0.29	<10	<10	151	<10	1165					
M980512		0.29	<10	<10	140	<10	104					
M980513		0.30	<10	<10	147	<10	1405					
M980514		0.29	<10	10	129	<10	78					
M980515		0.29	<10	<10	92	40	88		1.305			
M980516		0.33	<10	<10	139	10	86					
M980517		0.35	<10	<10	133	<10	143					
M980518		0.35	<10	<10	146	<10	110					
M980519		0.39	<10	<10	173	10	116					
M980520		0.25	<10	10	121	10	473					
M980520d		0.25	<10	<10	120	<10	481					
M980521		0.26	<10	<10	144	10	350					
M980521p		0.26	<10	<10	147	10	399					
M980522		0.18	<10	<10	112	10	744					
M980523		0.18	<10	<10	116	10	166					
M980524		0.20	<10	<10	107	10	259					
M980525		0.22	<10	<10	107	<10	342					
M980526		0.27	<10	<10	125	<10	239					
M980527		0.23	<10	<10	102	<10	1075					
M980528		0.23	<10	<10	100	<10	1060					
M980529		0.25	<10	<10	111	<10	155					
M980530		0.21	<10	<10	71	10	6960					
M980531		0.20	10	<10	81	<10	449					
M980531d		0.20	<10	<10	81	<10	459					
M980532		0.16	<10	<10	71	<10	73					
M980532p		0.16	<10	<10	71	<10	68					
M980533		0.15	<10	<10	69	<10	174					
M980534		0.28	<10	<10	150	10	69					

Comments: **Corrected Copy for Au- AA23 and ME- ICP61 on Samples M980527 - M980533 & M978188 - M978191.**



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CERTIFICATE OF ANALYSIS TR12199609

Sample Description	Method	WEI- 21	Au- AA23	Au- GRA21	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units		kg	g/t	g/t	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR		0.02	0.005	0.05	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01
M980535		12.64	<0.005		0.5	7.32	34	1260	0.8	<2	3.68	<0.5	21	112	49	4.46
M980536		12.59	<0.005		0.7	7.60	30	1210	0.8	<2	3.50	1.1	15	143	55	4.10
M980537		12.30	0.031		5.1	7.81	97	1810	0.7	5	3.07	8.0	11	156	121	4.73
M980538		7.86	0.006		0.8	8.02	291	1490	0.8	<2	1.95	0.9	10	139	79	3.98
M980539		7.81	0.008		0.8	7.88	35	1850	0.7	<2	3.16	<0.5	11	97	116	4.71
M980540		8.66	0.008		1.5	8.09	36	1820	0.7	3	2.46	<0.5	9	77	84	4.57
M980540d			0.008		1.4	7.95	26	1790	0.7	2	2.48	<0.5	10	77	87	4.51
M980541		12.60	0.009		1.2	8.07	15	1650	0.8	2	2.35	1.7	7	92	98	4.91
M980541p			0.007		1.0	7.91	18	1610	0.8	4	2.28	1.8	7	87	94	4.79
M980542		12.93	0.023		2.1	7.90	102	1710	0.6	5	1.74	0.7	13	109	106	5.08
M980543		13.38	0.015		1.9	7.11	56	1810	0.6	4	1.90	3.5	7	76	92	4.12
M980544		12.60	0.006		0.6	7.58	24	1410	0.6	2	1.80	2.5	7	139	104	3.88
M980545		0.71	<0.005		<0.5	0.07	<5	20	<0.5	<2	20.4	<0.5	<1	<1	<1	0.47
M980546		12.81	0.024		1.2	7.24	79	1300	0.6	3	1.93	3.5	14	133	129	5.09
M980547		12.89	0.007		0.9	7.17	12	1160	0.8	4	2.74	0.9	8	143	55	3.64
M980548		12.32	0.007		1.1	7.36	19	1110	0.8	2	2.81	2.6	9	159	40	3.67
M980549		12.29	0.006		0.8	7.31	19	1150	0.8	<2	2.48	0.7	10	155	44	3.73
M980550		11.87	<0.005		<0.5	7.28	15	1020	0.8	2	2.35	<0.5	9	152	48	3.57
M980550d			<0.005		<0.5	7.33	14	1040	0.8	3	2.39	<0.5	9	154	49	3.67
M980551		11.18	<0.005		<0.5	7.15	16	1000	0.8	<2	2.29	<0.5	10	145	45	3.50
M980551p			<0.005		<0.5	6.67	17	1010	0.8	2	2.28	<0.5	8	148	52	3.68
M980552		7.78	0.011		0.6	6.73	44	1050	0.8	3	1.91	<0.5	14	154	78	4.51
M980553		6.55	0.006		<0.5	4.99	32	650	0.5	2	2.92	0.5	8	81	38	2.92
M980554		9.49	0.009		1.3	6.70	20	1130	0.8	3	2.26	3.5	9	124	52	4.32
M980555		11.95	0.034		2.6	6.81	23	1410	0.7	6	1.52	5.0	9	126	95	5.11
M980556		12.58	0.012		0.7	6.84	42	1260	0.8	5	2.44	1.5	7	133	94	4.57
M980557		13.60	0.009		<0.5	6.57	296	1030	0.8	3	2.78	0.7	12	117	43	3.88
M980558		13.12	0.007		0.5	6.72	25	1050	0.8	<2	2.23	<0.5	9	137	36	4.00
M980559		11.21	0.014		0.7	6.91	32	1350	0.7	5	2.18	<0.5	10	136	60	4.79
M980560		0.11	7.81	8.16	12.3	5.95	53	770	0.6	<2	3.94	4.3	34	38	>10000	7.92
M980561		11.62	0.008		0.5	7.19	35	1130	0.7	5	2.45	1.6	16	132	77	4.47
M980561d			0.006		<0.5	6.78	34	1090	0.7	2	2.36	1.5	16	127	49	4.30
M980562		10.69	0.031		0.8	6.90	102	830	0.8	4	2.35	<0.5	13	150	64	5.93
M980562p			0.033		0.7	6.58	96	1040	0.7	3	2.25	<0.5	12	142	61	5.67
M980563		9.94	0.016		1.3	7.27	23	1690	0.7	2	2.04	2.6	11	131	68	4.90
M980564		6.68	0.036		1.4	7.15	72	1850	0.7	5	1.56	1.0	13	119	54	5.35
M980565		7.08	1.465		>100	2.45	713	200	<0.5	190	7.83	182.0	38	20	1635	13.30
M980566		0.15	>10.0	21.5	4.5	2.65	>10000	820	0.6	8	1.89	1.5	16	68	106	3.52
M980567		6.54	0.088		5.5	5.79	103	840	0.8	10	2.08	<0.5	15	46	91	7.40
M980373		4.67	0.119		8.5	6.38	57	610	0.7	8	0.95	35.6	6	232	154	10.35

Comments: **Corrected Copy for Au- AA23 and ME- ICP61 on Samples M980527 - M980533 & M978188 - M978191.**



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CERTIFICATE OF ANALYSIS TR12199609

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	
		Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
		10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20
M980535		20	3.18	10	1.91	1620	<1	2.64	84	950	31	1.34	<5	10	460	<20
M980536		20	3.10	10	2.14	1605	<1	2.75	100	740	53	1.09	<5	10	496	<20
M980537		20	4.23	10	1.94	1635	<1	1.93	91	650	473	1.41	<5	10	469	<20
M980538		20	4.12	10	1.85	1410	<1	2.74	85	820	57	0.81	<5	10	351	<20
M980539		20	4.64	10	1.63	1275	<1	2.44	52	980	20	2.02	<5	10	476	<20
M980540		20	4.34	10	1.96	1410	<1	2.48	58	1220	51	1.36	5	11	367	<20
M980540d		20	4.29	10	1.94	1405	<1	2.45	56	1220	48	1.31	<5	11	362	<20
M980541		20	4.65	10	2.24	1475	<1	1.81	69	1100	48	1.21	5	11	402	<20
M980541p		20	4.54	10	2.20	1430	<1	1.77	68	1070	44	1.17	<5	11	391	<20
M980542		20	4.56	10	1.67	1270	<1	2.54	75	850	71	2.50	<5	9	354	<20
M980543		20	4.31	10	1.68	1265	<1	1.96	56	920	125	1.62	<5	8	365	<20
M980544		20	3.83	10	1.91	1305	<1	2.91	72	750	57	0.89	<5	9	329	<20
M980545		<10	0.04	<10	12.30	220	<1	0.01	1	170	<2	<0.01	<5	<1	31	<20
M980546		20	3.78	10	1.75	1325	<1	2.18	97	660	94	2.52	<5	9	314	<20
M980547		20	2.73	10	1.84	1420	<1	3.07	81	580	34	0.71	<5	8	419	<20
M980548		20	2.78	<10	1.94	1450	<1	3.14	101	580	86	0.64	<5	9	456	<20
M980549		20	2.63	10	2.00	1325	<1	3.18	89	600	53	0.81	<5	9	412	<20
M980550		20	2.32	<10	1.81	1215	<1	3.41	93	580	30	0.94	<5	8	421	<20
M980550d		20	2.38	<10	1.85	1250	<1	3.51	100	590	33	0.97	<5	8	431	<20
M980551		20	2.26	10	1.74	1200	<1	3.39	93	560	34	1.02	<5	8	420	<20
M980551p		20	2.20	10	1.81	1200	1	3.41	101	560	44	1.06	<5	8	406	<20
M980552		10	2.16	10	1.65	1015	<1	3.48	103	610	47	2.14	6	9	388	<20
M980553		10	1.81	10	1.33	1180	<1	1.68	55	480	30	0.74	<5	6	376	<20
M980554		20	3.01	10	1.99	1710	<1	2.18	81	700	153	0.91	5	9	386	<20
M980555		20	3.20	10	1.90	1800	<1	2.23	86	790	248	1.61	<5	10	291	<20
M980556		20	3.50	10	1.84	1750	<1	2.29	83	760	52	1.40	<5	9	412	<20
M980557		20	3.21	10	1.72	1405	<1	2.11	76	690	11	0.84	6	8	377	<20
M980558		20	3.17	10	1.65	1145	<1	2.54	83	610	10	0.88	<5	8	412	<20
M980559		20	3.77	10	1.78	1385	<1	2.44	90	670	14	1.38	<5	8	370	<20
M980560		10	1.37	10	1.43	691	417	1.66	48	990	74	5.30	55	14	283	<20
M980561		20	3.32	10	2.12	1635	<1	2.48	94	660	14	0.85	<5	9	379	<20
M980561d		20	3.19	10	2.03	1575	<1	2.39	89	650	16	0.82	6	8	364	<20
M980562		20	3.99	10	1.61	1615	<1	1.67	79	630	38	3.05	7	9	397	<20
M980562p		20	3.68	10	1.56	1540	<1	1.58	77	600	35	2.89	7	8	382	<20
M980563		20	4.13	10	1.53	1340	<1	1.53	72	840	39	1.74	<5	9	334	<20
M980564		20	4.44	10	1.58	1265	1	0.68	76	710	39	1.98	9	9	259	<20
M980565		<10	1.32	10	1.66	3210	<1	0.03	30	330	3590	>10.0	23	5	340	<20
M980566		10	0.87	10	0.60	511	36	0.53	46	220	1150	0.86	<5	8	88	<20
M980567		10	3.39	10	1.50	2400	<1	0.18	54	770	140	3.21	<5	11	115	<20
M980373		20	1.53	10	3.76	3300	3	0.05	136	900	1125	2.49	5	11	63	<20

Comments: **Corrected Copy for Au- AA23 and ME- ICP61 on Samples M980527 - M980533 & M978188 - M978191.**



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Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	Ag- OG62	Cu- OG62	Zn- OG62	As- OG62	S- OG62
		Ti	Ti	U	V	W	Zn	Ag	Cu	Zn	As	S
		%	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
		0.01	10	10	1	10	2	1	0.001	0.001	0.001	0.01
M980535		0.24	<10	<10	111	<10	70					
M980536		0.22	<10	<10	101	<10	146					
M980537		0.21	<10	<10	94	<10	1045					
M980538		0.26	<10	<10	103	<10	214					
M980539		0.26	<10	<10	118	<10	58					
M980540		0.28	<10	<10	121	<10	93					
M980540d		0.28	<10	<10	122	<10	91					
M980541		0.29	<10	<10	121	10	228					
M980541p		0.28	<10	<10	117	<10	232					
M980542		0.23	<10	<10	101	10	141					
M980543		0.22	<10	<10	92	<10	434					
M980544		0.25	<10	<10	104	10	326					
M980545		<0.01	<10	10	2	<10	13					
M980546		0.21	<10	<10	95	10	421					
M980547		0.21	<10	<10	85	10	145					
M980548		0.22	<10	<10	89	10	286					
M980549		0.22	<10	<10	93	<10	125					
M980550		0.20	<10	<10	87	<10	106					
M980550d		0.21	<10	<10	89	10	106					
M980551		0.20	<10	<10	84	<10	89					
M980551p		0.21	<10	<10	83	<10	101					
M980552		0.20	<10	<10	94	<10	98					
M980553		0.14	<10	<10	64	<10	69					
M980554		0.23	<10	<10	96	<10	426					
M980555		0.26	<10	<10	99	<10	541					
M980556		0.26	<10	<10	102	10	201					
M980557		0.24	<10	<10	89	<10	99					
M980558		0.23	<10	10	87	10	73					
M980559		0.25	<10	<10	97	<10	80					
M980560		0.33	<10	<10	141	10	155		3.26			
M980561		0.26	<10	<10	90	<10	240					
M980561d		0.25	<10	<10	86	<10	232					
M980562		0.23	<10	<10	98	<10	82					
M980562p		0.22	<10	<10	91	10	80					
M980563		0.23	<10	<10	91	10	304					
M980564		0.24	<10	<10	87	10	177					
M980565		0.09	<10	<10	38	<10	>10000	165		1.990		14.45
M980566		0.10	<10	<10	63	<10	259				1.075	
M980567		0.25	<10	<10	95	20	121					
M980373		0.32	<10	<10	125	<10	6810					

Comments: **Corrected Copy for Au- AA23 and ME- ICP61 on Samples M980527 - M980533 & M978188 - M978191.**



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CERTIFICATE OF ANALYSIS TR12199609

Sample Description	Method	WEI- 21	Au- AA23	Au- GRA21	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	g/t	g/t	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.05	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01
M980374		4.46	0.317		15.7	7.28	60	810	0.9	10	2.27	79.8	12	231	576	9.52
M980375		0.11	1.380		4.6	5.59	17	570	0.7	<2	1.79	0.6	12	54	>10000	3.93
M980376		4.44	0.024		1.7	7.36	13	1050	1.4	<2	3.83	5.1	11	189	32	4.91
M980376d			0.022		1.9	7.28	10	1060	1.4	<2	3.88	5.1	11	190	26	4.94
M980377		6.52	0.056		6.0	7.60	29	1080	1.1	<2	4.02	10.1	22	190	26	5.79
M980377p			0.050		6.1	7.69	24	1080	1.1	<2	4.08	10.1	21	187	25	5.70
M980378		6.62	<0.005		<0.5	7.34	7	720	1.1	<2	4.69	<0.5	10	187	<1	3.04
M980379		6.75	0.030		1.3	7.73	13	970	1.1	<2	4.31	5.7	10	182	33	4.65
M980380		6.73	0.005		0.6	7.47	11	960	1.2	<2	4.64	3.1	8	173	20	4.06
M980381		6.70	0.020		1.7	7.49	19	1230	1.1	2	4.01	3.5	9	119	87	5.63
M980382		6.48	0.075		6.6	7.74	21	1130	1.1	6	2.27	53.2	9	163	280	8.10
M980383		6.97	0.431		10.0	7.97	56	950	0.9	9	1.43	41.8	19	146	405	11.70
M980384		6.58	0.031		2.9	6.85	13	1400	1.2	7	5.18	1.5	10	197	40	4.55
M980385		6.70	0.027		0.6	7.39	8	1110	1.3	<2	5.17	<0.5	11	168	71	3.84
M980385d			0.026		0.7	7.41	<5	1140	1.3	<2	5.27	<0.5	11	169	70	3.93
M980386		6.66	0.202		<0.5	7.21	<5	1130	1.2	<2	5.27	<0.5	8	168	53	3.88
M980386p			0.165		<0.5	7.55	8	1100	1.2	<2	5.15	<0.5	7	167	48	3.77
M980387		6.81	0.021		1.2	7.45	5	730	1.1	<2	4.72	<0.5	9	164	61	3.65
M980388		3.55	0.053		2.0	7.84	28	1440	1.4	<2	3.90	1.1	14	153	94	4.88
M980389		3.56	0.748		42.3	5.51	72	670	0.7	41	5.74	169.0	7	68	1070	9.78
M980390		0.13	0.670		>100	7.47	50	1540	1.3	<2	2.52	57.5	11	23	4720	3.93
M980391		6.60	0.019		0.5	7.51	24	1180	1.2	<2	3.60	<0.5	12	120	83	6.12
M980392		6.57	0.011		<0.5	7.27	16	1140	0.8	<2	3.74	<0.5	7	130	52	3.42
M980393		6.79	0.020		<0.5	7.31	7	1140	1.1	<2	3.13	0.7	8	112	28	3.33
M980394		6.42	0.061		0.6	7.79	14	800	1.2	<2	3.92	1.6	11	145	59	3.98
M980395		6.71	0.133		<0.5	7.93	11	1030	1.1	<2	4.57	<0.5	14	125	36	4.37
M980395d			0.120		<0.5	7.77	10	1050	1.1	<2	4.63	<0.5	14	125	36	4.45
M980396		6.61	0.042		<0.5	7.71	7	1240	1.4	<2	4.60	<0.5	17	118	37	4.83
M980396p			0.011		<0.5	7.68	5	1280	1.5	<2	4.81	<0.5	18	123	38	4.80
M980397		6.75	0.065		0.6	7.91	22	1120	1.0	<2	4.12	<0.5	17	197	81	4.41
M980398		6.50	0.033		0.7	7.89	16	1410	1.1	<2	3.92	3.0	16	148	84	3.79
M980399		6.68	0.024		0.8	7.63	11	1290	1.0	3	3.82	<0.5	14	201	75	3.72
M980400		0.11	7.81	7.78	13.0	6.14	52	360	0.6	<2	4.17	4.5	35	40	>10000	7.82
M980401		6.86	0.011		<0.5	7.80	10	990	1.0	<2	4.11	1.0	8	207	44	3.80
M978144		8.39	0.011		1.7	5.02	19	170	0.8	2	4.83	1.2	41	558	81	5.47
M978145		0.94	<0.005		<0.5	0.05	<5	10	<0.5	4	20.9	<0.5	<1	<1	4	0.48
M978146		11.51	0.005		0.5	7.53	8	620	2.7	<2	4.66	<0.5	32	71	121	7.22
M978147		8.90	0.043		<0.5	7.98	13	710	6.5	<2	8.22	<0.5	20	11	94	5.30
M978147d			0.043		<0.5	8.01	8	700	6.4	<2	8.13	<0.5	19	11	95	5.22
M978148		8.18	0.018		<0.5	6.72	<5	690	7.2	<2	7.80	0.6	20	8	43	3.69

Comments: **Corrected Copy for Au- AA23 and ME- ICP61 on Samples M980527 - M980533 & M978188 - M978191.**



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Sample Description	Method	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	
	Analyte Units LOR	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
		10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20
M980374		20	2.17	10	3.84	3340	2	0.13	149	910	1235	3.19	5	13	139	<20
M980375		10	0.94	10	0.91	630	512	1.98	34	580	15	0.94	<5	11	242	<20
M980376		20	3.14	10	2.90	2970	2	0.87	141	1250	335	0.42	<5	13	359	<20
M980376d		20	3.16	10	2.89	2990	1	0.87	144	1240	331	0.42	<5	12	360	<20
M980377		20	2.99	10	2.70	3180	1	1.35	133	1130	1060	1.34	<5	13	409	<20
M980377p		20	3.00	10	2.70	3200	2	1.36	133	1120	1055	1.24	9	13	416	<20
M980378		10	2.35	<10	2.04	3080	<1	2.70	114	810	86	0.02	5	11	590	<20
M980379		20	2.74	10	2.45	3520	4	1.80	146	960	221	0.54	<5	12	477	<20
M980380		10	2.89	<10	2.29	3410	1	1.67	129	950	141	0.10	<5	12	517	<20
M980381		20	3.23	10	2.48	3030	1	0.69	90	1290	209	0.69	<5	13	429	<20
M980382		20	2.65	10	2.89	2860	<1	0.58	130	1120	522	1.60	<5	13	562	<20
M980383		20	2.54	20	3.57	3000	<1	0.06	121	1470	724	3.43	<5	14	101	<20
M980384		20	3.57	10	2.37	2880	1	0.67	113	1270	210	0.27	<5	12	437	<20
M980385		20	3.18	10	2.16	2180	1	1.84	126	1380	57	0.28	<5	12	639	<20
M980385d		20	3.25	10	2.20	2220	<1	1.88	128	1410	55	0.28	<5	12	654	<20
M980386		20	2.92	10	1.92	2230	1	2.23	118	1330	44	0.35	<5	12	595	<20
M980386p		20	2.87	10	1.94	2150	1	2.15	111	1290	38	0.33	<5	13	577	<20
M980387		20	2.23	<10	2.50	1760	6	3.11	124	1230	59	0.16	<5	12	607	<20
M980388		20	3.56	10	2.14	2050	<1	1.68	103	1580	128	0.99	6	13	422	<20
M980389		10	2.68	30	2.09	3090	<1	0.17	104	1020	2010	7.52	10	9	240	<20
M980390		20	2.29	10	0.70	603	37	2.60	11	820	9800	1.63	154	7	686	<20
M980391		20	2.77	10	2.57	1985	<1	2.07	90	1490	53	0.96	<5	11	412	<20
M980392		20	2.02	10	1.75	1240	1	3.87	102	900	37	0.31	<5	10	490	<20
M980393		20	2.33	10	2.31	1025	<1	3.94	65	1380	48	0.11	<5	10	465	<20
M980394		20	2.27	10	2.71	1260	1	3.97	94	1600	81	0.38	<5	13	509	<20
M980395		20	2.01	20	2.48	1265	<1	3.62	81	2030	24	0.37	<5	13	657	<20
M980395d		20	2.06	20	2.51	1280	<1	3.68	84	2090	23	0.38	<5	13	673	<20
M980396		20	2.22	20	2.65	1435	<1	3.08	73	2540	19	0.25	<5	14	872	<20
M980396p		20	2.33	20	2.68	1485	<1	3.18	79	2580	20	0.26	<5	13	891	<20
M980397		20	2.42	10	2.57	1350	1	3.12	151	1370	39	0.89	<5	13	477	<20
M980398		20	2.83	10	2.62	1060	3	3.24	122	1320	110	0.71	<5	13	469	<20
M980399		20	2.76	10	3.00	1120	3	3.30	138	1290	27	0.41	<5	12	465	<20
M980400		10	1.41	10	1.44	718	420	1.66	47	1010	77	5.37	54	14	285	<20
M980401		20	2.54	10	2.57	1705	2	3.13	117	930	66	0.21	<5	12	489	<20
M978144		10	0.28	10	7.33	944	<1	0.25	429	1340	71	1.03	<5	19	236	<20
M978145		<10	0.01	<10	12.80	213	<1	0.01	<1	150	2	<0.01	<5	<1	33	<20
M978146		20	0.62	10	3.39	994	<1	2.93	26	1990	12	1.17	<5	33	790	<20
M978147		20	1.99	20	2.20	1245	<1	2.09	12	1970	18	0.43	<5	16	1270	<20
M978147d		20	1.98	20	2.17	1230	<1	2.04	12	1930	16	0.43	<5	16	1250	<20
M978148		20	1.49	10	1.76	1185	<1	3.29	15	1220	16	0.24	<5	11	744	<20

Comments: **Corrected Copy for Au- AA23 and ME- ICP61 on Samples M980527 - M980533 & M978188 - M978191.**



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Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	Ag- OG62	Cu- OG62	Zn- OG62	As- OG62	S- OG62
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Ag ppm	Cu %	Zn %	As %	S %
		0.01	10	10	1	10	2	1	0.001	0.001	0.001	0.01
M980374		0.28	<10	<10	131	<10	>10000			1.260		
M980375		0.27	<10	<10	88	40	95		1.250			
M980376		0.38	<10	<10	151	<10	1130					
M980376d		0.38	<10	<10	154	<10	1135					
M980377		0.37	<10	<10	154	<10	1920					
M980377p		0.37	<10	<10	152	<10	1905					
M980378		0.32	<10	<10	128	<10	236					
M980379		0.35	<10	<10	143	<10	1160					
M980380		0.33	<10	<10	135	<10	772					
M980381		0.37	<10	<10	156	<10	777					
M980382		0.37	<10	<10	136	<10	8590					
M980383		0.41	<10	<10	169	<10	6840					
M980384		0.38	<10	<10	157	<10	447					
M980385		0.38	<10	<10	154	<10	166					
M980385d		0.39	<10	<10	158	<10	165					
M980386		0.37	<10	<10	148	<10	143					
M980386p		0.37	<10	<10	143	<10	139					
M980387		0.35	<10	<10	149	<10	153					
M980388		0.43	<10	<10	168	<10	356					
M980389		0.28	<10	<10	108	10	>10000			2.36		
M980390		0.23	<10	<10	79	20	7730	99				
M980391		0.42	<10	<10	166	<10	207					
M980392		0.30	<10	<10	118	<10	126					
M980393		0.37	<10	<10	151	<10	194					
M980394		0.42	<10	<10	172	<10	286					
M980395		0.52	<10	<10	162	<10	142					
M980395d		0.53	<10	<10	163	<10	142					
M980396		0.63	<10	<10	171	<10	127					
M980396p		0.65	<10	<10	178	<10	132					
M980397		0.38	<10	<10	150	<10	184					
M980398		0.37	<10	<10	151	<10	447					
M980399		0.38	<10	<10	149	<10	77					
M980400		0.33	<10	<10	150	10	155		3.26			
M980401		0.34	<10	<10	143	<10	302					
M978144		0.29	<10	<10	169	<10	109					
M978145		<0.01	<10	30	3	<10	15					
M978146		0.85	<10	<10	318	<10	147					
M978147		0.48	<10	10	372	10	103					
M978147d		0.47	<10	<10	367	10	102					
M978148		0.36	<10	10	499	<10	99					

Comments: **Corrected Copy for Au- AA23 and ME- ICP61 on Samples M980527 - M980533 & M978188 - M978191.**



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Sample Description	Method Analyte Units LOR	WEI- 21	Au- AA23	Au- GRA21	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61
		Recvd Wt. kg	Au g/t	Au g/t	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
M978148p		0.02	0.005	0.05	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01
M978149		7.06	<0.005		<0.5	7.56	<5	540	8.2	<2	6.98	<0.5	21	18	36	3.86
M978150		7.98	0.007		<0.5	7.37	<5	1130	6.8	2	5.11	<0.5	10	8	85	2.83
M978151		8.29	0.009		<0.5	7.64	<5	1040	6.8	<2	5.06	<0.5	12	8	66	3.06
M978152		7.34	0.010		<0.5	7.01	<5	710	8.2	<2	7.27	<0.5	15	13	56	3.20
M978153		8.71	0.027		<0.5	7.62	<5	730	8.7	<2	6.90	<0.5	13	11	42	3.27
M978154		12.91	0.010		<0.5	8.18	<5	500	2.6	<2	7.65	<0.5	29	35	127	6.86
M978155		11.06	0.007		<0.5	8.06	<5	680	5.6	<2	6.40	<0.5	22	31	54	5.51
M978156		8.89	<0.005		<0.5	7.08	7	510	15.3	<2	9.44	<0.5	16	13	8	4.66
M978157		12.20	0.019		<0.5	6.62	7	540	15.7	<2	12.40	<0.5	7	6	27	3.54
M978157d			0.041		<0.5	6.49	<5	530	15.5	3	12.95	<0.5	7	6	25	3.47
M978158		8.39	<0.005		<0.5	2.44	<5	330	2.6	3	25.7	<0.5	1	<1	17	1.31
M978158p			<0.005		<0.5	2.37	<5	320	2.9	<2	27.5	<0.5	1	<1	15	1.26
M978159		11.60	0.008		1.4	8.32	5	1030	0.5	<2	4.04	<0.5	22	18	131	6.87
M978160		0.12	7.67	7.91	13.1	6.43	50	910	0.7	8	4.24	4.4	37	39	>10000	7.97
M978161		13.17	0.014		<0.5	7.05	11	370	0.7	<2	2.87	<0.5	14	18	113	5.40
M978162		8.67	<0.005		<0.5	5.05	6	460	0.5	2	2.73	<0.5	11	33	28	3.78
M978163		8.03	<0.005		<0.5	6.02	8	830	0.7	<2	4.02	<0.5	14	40	32	4.19
M978164		8.66	0.005		<0.5	4.79	18	560	0.7	<2	3.69	<0.5	12	58	33	3.76
M978165		6.00	0.019		0.7	5.76	54	410	0.5	<2	8.15	<0.5	13	46	28	3.83
M978166		9.93	0.046		6.8	3.16	28	240	0.5	<2	8.44	9.1	4	14	29	2.14
M978167		11.34	0.021		0.8	4.11	25	250	0.5	<2	9.16	<0.5	5	18	23	2.40
M978167d			0.018		1.0	4.13	25	250	0.5	<2	9.24	<0.5	4	16	22	2.41
M978168		7.95	0.027		3.7	3.21	30	190	<0.5	3	8.17	1.2	7	23	39	2.37
M978168p			0.030		3.8	3.20	26	190	<0.5	<2	7.93	1.2	7	23	37	2.35
M978169		9.75	0.005		<0.5	3.61	18	150	<0.5	3	7.71	<0.5	9	25	28	2.71
M978170		7.88	<0.005		<0.5	4.87	<5	210	0.7	<2	7.33	<0.5	14	37	29	4.40
M978171		8.63	<0.005		<0.5	2.89	17	250	0.5	<2	11.25	<0.5	4	20	22	2.01
M978172		8.85	<0.005		<0.5	6.06	22	340	0.6	<2	6.82	<0.5	12	39	50	3.65
M978173		9.51	<0.005		<0.5	5.94	9	240	0.7	2	6.26	<0.5	9	19	39	3.22
M978174		10.96	<0.005		0.5	6.94	9	350	0.6	<2	5.77	0.6	19	24	101	5.91
M978175		0.12	1.225		4.7	5.66	16	580	0.7	4	1.78	0.5	13	52	>10000	3.94
M978176		12.36	<0.005		<0.5	8.03	6	800	0.8	<2	5.23	<0.5	15	34	72	4.86
M978177		9.01	<0.005		<0.5	8.55	5	720	0.9	5	4.64	<0.5	22	25	89	6.36
M978177d			<0.005		<0.5	8.59	5	720	0.9	2	4.60	<0.5	23	25	84	6.30
M978178		9.38	<0.005		<0.5	8.42	12	730	1.0	3	5.27	<0.5	21	28	74	6.00
M978178p			<0.005		<0.5	8.16	9	720	0.9	3	5.20	0.6	20	27	75	5.81
M978179		9.08	<0.005		<0.5	7.53	9	500	0.8	2	6.08	<0.5	27	82	64	6.25
M978180		6.04	<0.005		<0.5	6.81	11	580	0.8	2	9.14	1.5	27	64	56	6.11
M978181		9.37	<0.005		<0.5	7.90	<5	400	0.8	<2	6.92	<0.5	37	64	38	8.08

Comments: **Corrected Copy for Au- AA23 and ME- ICP61 on Samples M980527 - M980533 & M978188 - M978191.**



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Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	
		Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
		10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20
M978148p		20	1.48	10	1.76	1155	<1	3.39	15	1260	13	0.25	<5	11	764	<20
M978149		20	1.78	10	1.80	1015	1	3.34	17	1580	10	0.13	<5	16	888	<20
M978150		20	2.49	10	1.09	732	<1	3.29	8	1230	10	0.06	<5	9	811	<20
M978151		20	2.51	10	1.25	745	<1	3.32	9	1450	9	0.05	<5	11	846	<20
M978152		20	1.65	10	1.52	992	<1	3.31	12	1250	9	0.08	<5	14	727	<20
M978153		20	1.76	10	1.50	875	<1	3.41	10	1300	11	0.25	5	10	661	<20
M978154		20	0.71	10	3.33	1335	1	2.46	22	1250	12	0.39	<5	28	1205	<20
M978155		20	1.03	10	3.17	1120	1	3.22	19	1250	11	0.23	5	23	963	<20
M978156		20	0.60	10	2.76	1145	<1	2.52	15	1530	12	0.01	<5	21	1380	<20
M978157		20	1.23	10	1.11	971	<1	2.87	9	1070	10	0.16	<5	11	687	<20
M978157d		20	1.20	10	1.08	953	<1	2.79	8	1020	7	0.17	<5	11	670	<20
M978158		<10	0.41	10	0.54	496	<1	1.06	2	420	6	0.22	<5	5	583	<20
M978158p		<10	0.40	10	0.54	509	<1	1.02	2	410	2	0.20	<5	5	591	<20
M978159		20	0.15	10	2.64	1025	<1	4.00	13	960	7	0.55	<5	26	1020	<20
M978160		10	1.45	10	1.47	734	442	1.70	47	1040	81	5.52	52	15	295	<20
M978161		20	0.44	10	1.67	1100	1	3.05	18	790	4	0.37	5	20	247	<20
M978162		10	0.26	10	1.22	663	1	2.15	19	660	4	0.60	<5	15	195	<20
M978163		10	0.62	10	1.83	818	<1	2.10	32	1020	7	0.50	<5	17	445	<20
M978164		10	0.73	10	1.32	660	1	1.29	66	640	7	0.98	<5	12	241	<20
M978165		10	1.04	10	2.29	759	2	2.31	46	650	12	2.57	<5	13	654	<20
M978166		10	1.12	10	1.23	789	15	0.47	7	1000	140	1.57	11	6	374	<20
M978167		10	0.92	10	2.28	859	14	1.22	8	1120	21	1.24	6	7	270	<20
M978167d		10	0.93	10	2.29	866	14	1.23	7	1110	19	1.23	5	7	271	<20
M978168		10	1.05	10	1.61	722	21	0.39	10	1050	58	1.29	11	9	203	<20
M978168p		10	1.04	10	1.62	698	19	0.38	10	1020	61	1.29	13	9	201	<20
M978169		10	0.94	10	2.61	802	16	0.48	12	1020	5	0.95	<5	10	115	<20
M978170		10	1.06	10	3.48	764	5	0.94	23	1480	4	1.82	<5	16	189	<20
M978171		10	1.11	10	2.50	829	17	0.64	12	840	4	1.73	<5	6	204	<20
M978172		10	2.32	10	3.99	935	4	1.28	25	830	4	1.84	<5	15	143	<20
M978173		10	2.22	10	3.79	1010	5	0.75	7	720	9	1.17	<5	14	250	<20
M978174		20	0.62	10	2.53	1360	1	2.58	16	950	16	1.14	<5	22	454	<20
M978175		10	0.97	10	0.91	629	525	2.03	34	590	12	0.95	<5	11	246	<20
M978176		20	0.96	10	2.18	1090	1	3.24	18	1080	5	0.60	<5	18	431	<20
M978177		20	0.56	10	2.59	1190	<1	3.29	18	1770	4	0.21	<5	20	572	<20
M978177d		20	0.56	10	2.58	1185	<1	3.24	17	1770	7	0.21	<5	20	566	<20
M978178		20	0.81	10	2.39	1150	2	2.97	19	2080	8	0.31	<5	20	602	<20
M978178p		20	1.19	10	2.30	1125	2	2.88	20	2040	10	0.30	<5	19	586	<20
M978179		10	0.62	10	2.94	1355	<1	2.27	65	960	13	0.39	<5	22	496	<20
M978180		10	0.76	10	2.69	1265	7	1.52	50	2190	18	0.30	<5	20	581	<20
M978181		20	0.63	20	3.37	1310	<1	2.05	46	1880	<2	0.20	<5	28	654	<20

Comments: **Corrected Copy for Au- AA23 and ME- ICP61 on Samples M980527 - M980533 & M978188 - M978191.**



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Project: Bronson Creek

CERTIFICATE OF ANALYSIS TR12199609

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	Ag- OG62	Cu- OG62	Zn- OG62	As- OG62	S- OG62
		Ti	Ti	U	V	W	Zn	Ag	Cu	Zn	As	S
		%	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
		0.01	10	10	1	10	2	1	0.001	0.001	0.001	0.01
M978148p		0.36	<10	10	501	<10	98					
M978149		0.44	<10	10	395	<10	83					
M978150		0.33	<10	<10	328	<10	57					
M978151		0.38	<10	<10	338	<10	66					
M978152		0.36	<10	10	387	<10	76					
M978153		0.41	<10	<10	396	<10	70					
M978154		0.72	<10	<10	310	<10	113					
M978155		0.55	<10	<10	309	<10	121					
M978156		0.42	<10	<10	443	<10	103					
M978157		0.36	<10	10	652	<10	67					
M978157d		0.36	<10	<10	651	<10	65					
M978158		0.14	<10	20	152	<10	26					
M978158p		0.13	<10	20	147	<10	25					
M978159		0.56	<10	<10	224	<10	150					
M978160		0.35	<10	<10	152	10	162		3.36			
M978161		0.53	<10	<10	189	<10	121					
M978162		0.39	<10	<10	128	<10	53					
M978163		0.40	<10	<10	139	<10	78					
M978164		0.43	<10	<10	119	<10	83					
M978165		0.34	<10	<10	109	<10	45					
M978166		0.17	<10	<10	202	10	779					
M978167		0.23	<10	<10	226	<10	31					
M978167d		0.23	<10	<10	229	<10	30					
M978168		0.27	<10	<10	285	<10	140					
M978168p		0.27	10	<10	271	<10	134					
M978169		0.34	<10	<10	244	<10	35					
M978170		0.52	<10	<10	189	<10	74					
M978171		0.19	<10	<10	237	<10	25					
M978172		0.36	<10	<10	175	<10	14					
M978173		0.34	<10	<10	165	<10	8					
M978174		0.48	<10	<10	191	<10	113					
M978175		0.28	<10	<10	88	40	84		1.275			
M978176		0.48	<10	<10	172	<10	87					
M978177		0.58	<10	<10	231	<10	97					
M978177d		0.58	<10	<10	231	<10	95					
M978178		0.60	<10	<10	252	<10	118					
M978178p		0.58	<10	<10	246	<10	111					
M978179		0.66	<10	<10	204	<10	103					
M978180		0.89	<10	<10	208	<10	169					
M978181		1.35	<10	<10	254	<10	95					

Comments: **Corrected Copy for Au- AA23 and ME- ICP61 on Samples M980527 - M980533 & M978188 - M978191.**



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CERTIFICATE OF ANALYSIS TR12199609

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA23 Au g/t	Au- GRA21 Au g/t	ME- ICP61 Ag ppm	ME- ICP61 Al %	ME- ICP61 As ppm	ME- ICP61 Ba ppm	ME- ICP61 Be ppm	ME- ICP61 Bi ppm	ME- ICP61 Ca %	ME- ICP61 Cd ppm	ME- ICP61 Co ppm	ME- ICP61 Cr ppm	ME- ICP61 Cu ppm	ME- ICP61 Fe %
		0.02	0.005	0.05	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01
M978182		12.14	<0.005		<0.5	7.97	18	890	1.1	<2	4.59	0.5	25	50	55	6.54
M978183		11.89	0.006		<0.5	7.87	17	800	1.1	<2	4.96	<0.5	19	39	41	5.65
M978184		12.95	0.013		0.5	8.69	10	890	1.4	<2	3.39	<0.5	17	31	52	5.97
M978185		12.66	0.014		0.8	7.85	33	740	1.1	2	6.94	0.7	16	26	45	5.28
M978186		12.18	0.011		0.5	8.25	12	800	1.3	<2	3.10	<0.5	17	28	43	5.61
M978187		12.37	0.009		1.0	7.73	32	800	1.1	2	4.86	<0.5	14	27	41	5.10
M978187d			0.008		1.1	7.86	29	820	1.1	<2	4.94	<0.5	14	27	43	5.20
M978188		7.94	0.010		1.6	8.38	44	640	0.6	<2	8.00	<0.5	16	21	59	4.98
M978188p			0.013		1.6	8.54	40	650	0.7	<2	7.99	<0.5	16	22	62	5.07
M978189		8.32	0.009		1.4	8.17	34	950	1.2	<2	4.02	<0.5	16	27	54	5.28
M978190		0.13	0.617		98.2	7.16	49	1130	1.2	<2	2.31	52.9	12	21	4440	3.79
M978191		8.23	0.012		0.8	7.84	25	810	1.2	2	3.37	<0.5	15	27	50	5.04

Comments: **Corrected Copy for Au- AA23 and ME- ICP61 on Samples M980527 - M980533 & M978188 - M978191.**



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CERTIFICATE OF ANALYSIS TR12199609

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	
		Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
		10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20
M978182		20	0.85	10	2.49	1415	<1	2.47	37	1410	10	0.47	<5	21	412	<20
M978183		20	2.10	10	1.52	2480	<1	0.94	33	820	12	1.04	<5	20	305	<20
M978184		20	2.43	10	1.18	2680	<1	0.67	32	960	19	1.85	6	20	259	<20
M978185		20	2.29	20	1.15	3000	<1	1.10	28	860	22	1.69	<5	18	439	<20
M978186		20	2.23	10	1.14	2880	<1	1.11	28	930	14	1.42	5	18	307	<20
M978187		20	2.11	10	1.11	2320	<1	1.53	23	860	19	1.83	<5	17	469	<20
M978187d		20	2.13	10	1.14	2350	<1	1.56	22	900	19	1.86	6	17	480	<20
M978188		10	1.27	10	1.50	1495	<1	3.18	22	770	16	2.08	<5	19	804	<20
M978188p		10	1.32	10	1.52	1520	<1	3.22	22	770	19	2.15	<5	19	797	<20
M978189		20	2.17	10	1.14	2010	1	1.71	25	900	18	2.25	<5	18	530	<20
M978190		20	2.13	10	0.65	564	34	2.44	10	770	9290	1.52	143	6	628	<20
M978191		20	2.03	10	1.04	1725	<1	1.45	19	790	24	1.93	<5	16	403	<20

Comments: **Corrected Copy for Au- AA23 and ME- ICP61 on Samples M980527 - M980533 & M978188 - M978191.**



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CERTIFICATE OF ANALYSIS TR12199609

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	Ag- OG62	Cu- OG62	Zn- OG62	As- OG62	S- OG62
		Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ag ppm	Cu %	Zn %	As %	S %
		0.01	10	10	1	10	2	1	0.001	0.001	0.001	0.01
M978182		0.59	<10	<10	199	<10	129					
M978183		0.44	<10	<10	142	<10	121					
M978184		0.44	<10	<10	149	<10	124					
M978185		0.38	<10	<10	134	<10	142					
M978186		0.41	<10	<10	139	<10	121					
M978187		0.39	<10	<10	142	<10	100					
M978187d		0.40	<10	<10	145	10	102					
M978188		0.36	<10	<10	137	<10	96					
M978188p		0.37	<10	<10	140	<10	98					
M978189		0.38	<10	<10	149	<10	110					
M978190		0.22	<10	10	75	10	7210					
M978191		0.38	<10	<10	142	<10	96					

Comments: **Corrected Copy for Au- AA23 and ME- ICP61 on Samples M980527 - M980533 & M978188 - M978191.**



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CERTIFICATE TR12200197

Project: Bronson Creek
P.O. No.:
This report is for 1 Crushed Core sample submitted to our lab in Terrace, BC, Canada on 30- AUG- 2012.

The following have access to data associated with this certificate:

JENNIFER BURGESS
JIM SPARLING

WILLIAM HAY
JOHN ZBEETNOFF

SUSAN HENDERSON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND- 03	Find Reject for Addn Analysis
BAG- 01	Bulk Master for Storage
SPL- 21	Split sample - riffle splitter
PUL- 32	Pulverize 1000g to 85% < 75 um
SCR- 21	Screen to - 100 to 106 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- SCR21	Au Screen Fire Assay - 100 to 106 um	WST- SIM
Au- AA25	Ore Grade Au 30g FA AA finish	AAS
Au- AA25D	Ore Grade Au 30g FA AA Dup	AAS

To: **SNIPGOLD CORP.**
ATTN: WILLIAM HAY
611 - 675 WEST HASTINGS ST.
VANCOUVER BC V6B 1N2

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Project: Bronson Creek

CERTIFICATE OF ANALYSIS TR12200197

Sample Description	Method Analyte Units LOR	Au- SCR21 Au Total g/t 0.05	Au- SCR21 Au (+) F g/t 0.05	Au- SCR21 Au (-) F g/t 0.05	Au- SCR21 Au (+) m mg 0.001	Au- SCR21 WT. + Fr g 0.01	Au- SCR21 WT. - Fr g 0.1	Au- AA25 Au g/t 0.01	Au- AA25D Au g/t 0.01
M980222		1.40	4.66	1.36	0.060	12.88	963.9	1.37	1.34



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CERTIFICATE TR12228057

Project: Bronson Creek
 P.O. No.: 54- 011401
 This report is for 2 Drill Core samples submitted to our lab in Terrace, BC, Canada on 27- SEP- 2012.
 The following have access to data associated with this certificate:

JENNIFER BURGESS JIM SPARLING	WILLIAM HAY JOHN ZBEETNOFF	SUSAN HENDERSON
----------------------------------	-------------------------------	-----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
BAG- 01	Bulk Master for Storage
LOG- 21	Sample logging - ClientBarCode
FND- 03	Find Reject for Addn Analysis
SPL- 21	Split sample - riffle splitter
SCR- 21	Screen to - 100 to 106 um
PUL- 32	Pulverize 1000g to 85% < 75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- SCR21	Au Screen Fire Assay - 100 to 106 um	WST- SIM
Au- AA25	Ore Grade Au 30g FA AA finish	AAS
Au- AA25D	Ore Grade Au 30g FA AA Dup	AAS

To: **SNIPGOLD CORP.**
ATTN: WILLIAM HAY
611 - 675 WEST HASTINGS ST.
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: Bronson Creek

CERTIFICATE OF ANALYSIS TR12228057

Sample Description	Method Analyte Units LOR	Au- SCR21	Au- SCR21	Au- SCR21	Au- SCR21	Au- SCR21	Au- SCR21	Au- AA25	Au- AA25D
		Au Total ppm	Au (+) F ppm	Au (-) F ppm	Au (+) m mg	WT. + Fr g	WT. - Fr g	Au ppm	Au ppm
M978350		0.14	0.89	0.14	0.007	7.84	846.0	0.14	0.13
M978351		0.41	2.26	0.39	0.033	14.62	936.5	0.41	0.36

APPENDIX V: CONTROL SAMPLE STANDARDS

CDN Resource Laboratories Ltd.

#2, 20148 – 102nd Avenue, Langley, B.C., Canada, V1M 4B4, 604-882-8422, Fax: 604-882-8466 (www.cdnlabs.com)

STANDARD REFERENCE MATERIAL: CDN-CM-15

Recommended values and the “Between Lab” Two Standard Deviations

<i>Gold</i>	<i>1.253 g/t ± 0.118 g/t</i>	<i>Certified value</i>
<i>Copper</i>	<i>1.280 % ± 0.090 %</i>	<i>Certified value</i>
<i>Molybdenum</i>	<i>0.054 % ± 0.004 %</i>	<i>Certified value</i>

PREPARED BY: CDN Resource Laboratories Ltd.

CERTIFIED BY: Duncan Sanderson, B.Sc., Licensed Assayer of British Columbia

INDEPENDENT GEOCHEMIST: Dr. Barry Smee., Ph.D., P. Geo.

DATE OF CERTIFICATION: June 1, 2011

ORIGIN OF REFERENCE MATERIAL:

Standard CDN-CM-15 was prepared using 705 kg of a granitic rock blended with 32 kg of a Cu-Au-Mo concentrate.

METHOD OF PREPARATION:

Reject ore material was dried, crushed, pulverized and then passed through a 270 mesh screen. The +270 material was discarded. The -270 material was mixed for 5 days in a double-cone blender. Splits were taken and sent to 15 commercial laboratories for round robin assaying.

Approximate chemical composition (by whole rock analysis) is as follows:

	Percent		Percent
SiO ₂	70.5	MgO	1.6
Al ₂ O ₃	10.9	K ₂ O	1.2
Fe ₂ O ₃	5.9	TiO ₂	0.5
CaO	2.5	LOI	2.1
Na ₂ O	2.8	S	0.9

Statistical Procedures:

The final limits were calculated after first determining if all data was compatible within a spread normally expected for similar analytical methods done by reputable laboratories. Data from any one laboratory was removed from further calculations when the mean of all analyses from that laboratory failed a t test of the global means of the other laboratories. The means and standard deviations were calculated using all remaining data. Any analysis that fell outside of the mean ± 2 standard deviations was removed from the ensuing data base. The mean and standard deviations were again calculated using the remaining data. This method is different from that used by Government agencies in that the actual “between-laboratory” standard deviation is used in the calculations. This produces upper and lower limits that reflect actual individual analyses rather than a grouped set of analyses. The limits can therefore be used to monitor accuracy from individual analyses, unlike the Confidence Limits published on other standards.

Results from round-robin assaying are displayed on the following page.

STANDARD REFERENCE MATERIAL CDN-CM-15

Assay Procedures: **Au:** Fire assay pre-concentration, AA or ICP finish (30g sub-sample).
Cu, Mo: 4-acid digestion, AA or ICP finish.

	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8	Lab 9	Lab 10	Lab 11	Lab 12	Lab 13	Lab 14	Lab 15
	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t
CM-15-1	1.28	1.25	1.09	1.26	1.28	1.20	1.26	1.23	1.28	1.29	1.22	1.36	1.25	1.33	1.21
CM-15-2	1.26	1.39	1.14	1.22	1.19	1.15	1.37	1.23	1.29	1.32	1.16	1.32	1.25	1.31	1.40
CM-15-3	1.34	1.25	1.22	1.20	1.17	1.27	1.29	1.24	1.37	1.40	1.17	1.33	1.26	1.27	1.20
CM-15-4	1.24	1.18	1.22	1.21	1.15	1.20	1.41	1.34	1.15	1.30	1.26	1.32	1.23	1.32	1.36
CM-15-5	1.30	1.22	1.21	1.29	1.30	1.17	1.25	1.36	1.38	1.41	1.26	1.32	1.22	1.31	1.21
CM-15-6	1.29	1.22	1.11	1.20	1.27	1.16	1.40	1.25	1.33	1.26	1.29	1.33	1.27	1.24	1.11
CM-15-7	1.26	1.29	1.21	1.28	1.21	1.22	1.20	1.20	1.23	1.43	1.19	1.34	1.28	1.26	1.25
CM-15-8	1.26	1.27	1.22	1.24	1.27	1.26	1.23	1.33	1.23	1.42	1.16	1.31	1.22	1.23	1.16
CM-15-9	1.23	1.24	1.21	1.28	1.17	1.16	1.35	1.24	1.26	1.30	1.16	1.30	1.26	1.28	1.25
CM-15-10	1.27	1.15	1.22	1.27	1.15	1.21	1.26	1.35	1.29	1.32	1.19	1.39	1.29	1.25	1.17
Mean	1.27	1.24	1.18	1.25	1.22	1.20	1.30	1.28	1.28	1.35	1.21	1.33	1.25	1.28	1.23
Std. Devn.	0.0330	0.0656	0.0512	0.0360	0.0583	0.0419	0.0747	0.0604	0.0694	0.0629	0.0486	0.0248	0.0238	0.0351	0.0903
% RSD	2.60	5.27	4.33	2.89	4.80	3.50	5.73	4.73	5.42	4.68	4.03	1.86	1.90	2.74	7.33
	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu
CM-15-1	1.26	1.31	1.39	1.35	1.26	1.30	1.24	1.36	1.17	1.27	1.22	1.28	1.29	1.24	1.29
CM-15-2	1.37	1.30	1.33	1.31	1.28	1.36	1.22	1.26	1.24	1.20	1.23	1.25	1.32	1.26	1.27
CM-15-3	1.30	1.33	1.42	1.35	1.24	1.29	1.22	1.38	1.24	1.43	1.22	1.27	1.31	1.22	1.25
CM-15-4	1.27	1.29	1.41	1.32	1.30	1.31	1.29	1.27	1.38	1.21	1.20	1.26	1.29	1.24	1.26
CM-15-5	1.29	1.33	1.32	1.32	1.42	1.30	1.27	1.27	1.25	1.22	1.23	1.28	1.29	1.23	1.55
CM-15-6	1.28	1.33	1.36	1.35	1.24	1.27	1.26	1.22	1.29	1.22	1.25	1.26	1.29	1.23	1.28
CM-15-7	1.44	1.32	1.34	1.32	1.42	1.35	1.25	1.30	1.31	1.21	1.25	1.26	1.30	1.22	1.23
CM-15-8	1.94	1.39	1.33	1.34	1.39	1.32	1.23	1.41	1.27	1.21	1.21	1.27	1.27	1.24	1.25
CM-15-9	1.33	1.31	1.42	1.33	1.29	1.31	1.22	1.29	1.32	1.22	1.25	1.27	1.29	1.25	1.27
CM-15-10	1.31	1.32	1.37	1.32	1.27	1.31	1.30	1.29	1.27	1.20	1.23	1.26	1.29	1.22	1.30
Mean	1.38	1.32	1.37	1.33	1.31	1.31	1.25	1.31	1.27	1.24	1.23	1.27	1.29	1.23	1.30
Std. Devn.	0.2027	0.0280	0.0390	0.0161	0.0714	0.0262	0.0294	0.0595	0.0560	0.0694	0.0173	0.0097	0.0143	0.0134	0.0919
% RSD	14.71	2.12	2.85	1.21	5.45	2.00	2.36	4.56	4.40	5.60	1.41	0.76	1.10	1.09	7.10
	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo
CM-15-1	0.054	0.051	0.05	0.054	0.055	0.053	0.056	0.052	0.042	0.055	0.059	0.052	0.054	0.052	0.056
CM-15-2	0.054	0.053	0.05	0.052	0.056	0.053	0.056	0.053	0.045	0.055	0.059	0.052	0.053	0.052	0.056
CM-15-3	0.055	0.052	0.05	0.053	0.054	0.052	0.054	0.054	0.046	0.055	0.059	0.053	0.055	0.053	0.057
CM-15-4	0.054	0.052	0.05	0.054	0.055	0.053	0.057	0.052	0.053	0.055	0.058	0.052	0.056	0.053	0.056
CM-15-5	0.056	0.054	0.05	0.052	0.056	0.053	0.057	0.052	0.046	0.057	0.059	0.050	0.055	0.052	0.058
CM-15-6	0.056	0.054	0.05	0.052	0.054	0.053	0.057	0.053	0.053	0.057	0.060	0.054	0.054	0.051	0.056
CM-15-7	0.055	0.053	0.05	0.050	0.056	0.053	0.058	0.051	0.052	0.056	0.056	0.051	0.056	0.051	0.055
CM-15-8	0.056	0.054	0.05	0.053	0.055	0.053	0.055	0.052	0.049	0.054	0.057	0.050	0.053	0.051	0.056
CM-15-9	0.054	0.052	0.05	0.052	0.055	0.053	0.055	0.052	0.055	0.056	0.057	0.048	0.053	0.051	0.057
CM-15-10	0.055	0.052	0.05	0.054	0.055	0.053	0.059	0.052	0.047	0.055	0.057	0.053	0.052	0.052	0.055
Mean	0.055	0.053	0.050	0.053	0.055	0.053	0.056	0.052	0.049	0.056	0.058	0.051	0.054	0.052	0.056
Std. Devn.	0.0009	0.0011	0.0000	0.0011	0.0007	0.0003	0.0015	0.0008	0.0043	0.0010	0.0014	0.0017	0.0012	0.0009	0.0009
% RSD	1.59	2.01	0.00	2.06	1.34	0.60	2.67	1.57	8.74	1.73	2.39	3.37	2.22	1.65	1.64

Note: "Mo" data from laboratory 9 was excluded from the calculations for failing the t test.

STANDARD REFERENCE MATERIAL CDN-CM-15

Participating Laboratories:

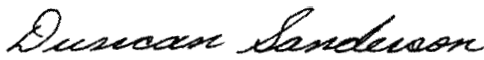
(not in same order as listed in table of results)

Acme Analytical Laboratories Ltd., Vancouver, B.C., Canada
Activation Laboratories, Ancaster, Ontario, Canada
Activation Laboratories, Thunder Bay, Ontario, Canada
ALS Chemex, North Vancouver, B.C., Canada
American Assay Lab., Nevada, USA
CIMM Peru SA
Genalysis, Perth, Australia
Inspectorate, Richmond, B.C., Canada
Omac, Ireland
Skyline Laboratory, Arizona, USA
SGS – Lima, Peru
Stewart Group, Kamloops, B.C., Canada
Alex Stewart Argentina SA
TSL Laboratories Ltd., Saskatoon, SK, Canada
Ultra Trace, Perth, Australia

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This certificate and the reference material described in it have been prepared with due care and attention. However CDN Resource Laboratories Ltd. or Barry Smee accept no liability for any decisions or actions taken following the use of the reference material. Our liability is limited solely to the cost of the reference material.

Certified by



Duncan Sanderson, Certified Assayer of B.C.

Geochemist



Dr. Barry Smee, Ph.D., P. Geo.

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REFERENCE MATERIAL: CDN-ME-19

Recommended values and the “Between Lab” Two Standard Deviations

<i>Gold</i>	<i>0.620 g/t ± 0.062 g/t</i>	<i>Certified value</i>
<i>Silver</i>	<i>103 g/t ± 7 g/t</i>	<i>Certified value</i>
<i>Copper</i>	<i>0.474 % ± 0.018 %</i>	<i>Certified value</i>
<i>Lead</i>	<i>0.98 % ± 0.06 %</i>	<i>Certified value</i>
<i>Zinc</i>	<i>0.75 % ± 0.04 %</i>	<i>Certified value</i>

Note: Standards with an RSD of near or less than 5% are certified; RSD's of between 5% and 15% are Provisional; RSD's over 15% are Indicated. Provisional and Indicated values cannot be used to monitor accuracy with a high degree of certainty.

PREPARED BY: CDN Resource Laboratories Ltd.
CERTIFIED BY: Duncan Sanderson, B.Sc., Licensed Assayer of British Columbia
INDEPENDENT GEOCHEMIST: Dr. Barry Smee., Ph.D., P. Geo.
DATE OF CERTIFICATION: December 09, 2011

METHOD OF PREPARATION:

Reject ore material was dried, crushed, pulverized and then passed through a 270 mesh screen. The +270 material was discarded. The -270 material was mixed for 5 days in a double-cone mixer. Splits were taken and sent to 15 laboratories for round robin assaying.

ORIGIN OF REFERENCE MATERIAL:

The ore was supplied by Capstone Mining Corp. from the Minto Mine in Yukon, Canada. Mineralization is primary chalcopyrite and bornite pervasively disseminated and as stringers within foliated granodiorite units rich in secondary biotite. Sulphide mineralization is typically accompanied by magnetite. Gold is associated with the sulphide mineralization, typically intimately associated with bornite and rarely observed as free gold. 733 kg of the Minto ore was combined with 67 kg of a Au, Ag, Cu, Pb, Zn concentrate.

Approximate chemical composition (from whole rock analysis) is as follows:

	Percent		Percent
SiO ₂	61.8	MgO	1.3
Al ₂ O ₃	15.1	K ₂ O	2.9
Fe ₂ O ₃	5.7	TiO ₂	0.4
CaO	3.4	LOI	2.7
Na ₂ O	3.6	S	1.5
C	0.3		

Statistical Procedures:

The final limits were calculated after first determining if all data was compatible within a spread normally expected for similar analytical methods done by reputable laboratories. Data from any one laboratory was removed from further calculations when the mean of all analyses from that laboratory failed a t test of the global means of the other laboratories. The means and standard deviations were calculated using all remaining data. Any analysis that fell outside of the mean ±2 standard deviations was removed from the ensuing data base. The mean and standard deviations were again calculated using the remaining data. This method is different from that used by Government agencies in that the actual “between-laboratory” standard deviation is used in the calculations. This produces upper and lower limits that reflect actual individual analyses rather than a grouped set of analyses. The limits can therefore be used to monitor accuracy from individual analyses, unlike the Confidence Limits published on other standards.

Assay Procedures:

Au: Fire assay pre-concentration, AA or ICP finish (30g sub-sample).
Ag, Cu, Pb, Zn: 4-acid digestion, AA or ICP finish.

REFERENCE MATERIAL CDN-ME-19

Results from round-robin assaying:

	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8	Lab 9	Lab 10	Lab 11	Lab 12	Lab 13	Lab 14	Lab 15
	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t
ME-19-1	0.597	0.593	0.580	0.612	0.581	0.581	0.571	0.646	0.690	0.614	0.578	0.629	0.639	0.620	0.685
ME-19-2	0.602	0.657	0.601	0.596	0.578	0.628	0.607	0.604	0.634	0.574	0.580	0.628	0.644	0.590	0.720
ME-19-3	0.593	0.613	0.620	0.601	0.631	0.610	0.723	0.651	0.603	0.598	0.595	0.614	0.626	0.610	0.695
ME-19-4	0.603	0.615	0.573	0.616	0.485	0.583	0.600	0.625	0.722	0.633	0.671	0.617	0.672	0.600	0.675
ME-19-5	0.598	0.598	0.592	0.602	0.596	0.558	0.640	0.642	0.586	0.637	0.600	0.599	0.635	0.600	0.685
ME-19-6	0.661	0.657	0.638	0.603	0.623	0.642	0.618	0.623	0.602	0.589	0.617	0.638	0.624	0.600	0.705
ME-19-7	0.655	0.66	0.630	0.610	0.597	0.652	0.603	0.600	0.612	0.603	0.542	0.624	0.667	0.630	0.680
ME-19-8	0.603	0.682	0.610	0.596	0.637	0.593	0.631	0.624	0.592	0.576	0.599	0.614	0.679	0.570	0.715
ME-19-9	0.585	0.699	0.627	0.606	0.629	0.587	0.662	0.685	0.654	0.603	0.680	0.606	0.639	0.570	0.685
ME-19-10	0.663	0.621	0.601	0.603	0.596	0.607	0.669	0.627	0.664	0.622	0.678	0.632	0.666	0.580	0.710
Mean	0.616	0.640	0.607	0.605	0.595	0.604	0.632	0.633	0.636	0.605	0.614	0.620	0.649	0.597	0.696
Std. Devn.	0.0307	0.0364	0.0217	0.0065	0.0442	0.0296	0.0435	0.0247	0.0456	0.0218	0.0473	0.0122	0.0200	0.0200	0.0159
% RSD	4.98	5.69	3.58	1.08	7.43	4.89	6.88	3.90	7.16	3.61	7.70	1.97	3.09	3.35	2.28
	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t
ME-19-1	99.3	103	104	95.0	99.2	102	96	101	103.2	108	102	103	106	88	102
ME-19-2	100.2	106	110	100.6	99.1	99	100	99	107.9	107	102	100	105	87	105
ME-19-3	99.5	104	109	100.6	99.7	102	103	103	105.2	110	99	106	107	87	100
ME-19-4	97.3	102	106	100.9	100.7	102	92	102	108.2	108	106	107	107	90	101
ME-19-5	98.4	103	106	101.1	99.4	102	93	101	106.9	109	98	107	108	98	103
ME-19-6	100.6	105	108	100.5	100.4	104	96	102	102.2	110	101	104	105	98	104
ME-19-7	103.0	106	109	100.1	100.5	105	96	98	105.2	110	100	106	104	89	100
ME-19-8	98.9	103	107	100.0	100.8	104	93	98	111.0	113	103	105	107	90	103
ME-19-9	106.8	108	106	99.6	101.2	103	95	98	108.3	112	101	103	105	85	103
ME-19-10	101.6	104	106	99.7	101.3	103	91	102	107.0	108	101	103	103	93	102
Mean	101	104	107	100	100	103	96	100	107	110	101	104	106	91	102
Std. Devn.	2.7257	1.8379	1.8529	1.7514	0.8193	1.6465	3.6893	1.9551	2.6269	1.9003	2.2136	2.2211	1.5670	4.5031	1.6364
% RSD	2.71	1.76	1.73	1.75	0.82	1.60	3.86	1.95	2.47	1.74	2.19	2.13	1.48	4.98	1.60

Note: Ag data from Lab 14 was removed for failing the t test.

REFERENCE MATERIAL CDN-ME-19

Results from round-robin assaying:

	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8	Lab 9	Lab 10	Lab 11	Lab 12	Lab 13	Lab 14	Lab 15
	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu
ME-19-1	0.474	0.454	0.47	0.470	0.47	0.473	0.47	0.47	0.488	0.486	0.445	0.458	0.47	0.44	0.48
ME-19-2	0.479	0.482	0.47	0.466	0.46	0.471	0.49	0.46	0.487	0.479	0.438	0.465	0.49	0.44	0.47
ME-19-3	0.473	0.456	0.47	0.471	0.47	0.470	0.50	0.47	0.481	0.480	0.432	0.460	0.47	0.44	0.47
ME-19-4	0.472	0.460	0.48	0.470	0.46	0.473	0.48	0.47	0.486	0.474	0.436	0.476	0.47	0.43	0.48
ME-19-5	0.486	0.457	0.47	0.469	0.46	0.473	0.48	0.47	0.487	0.479	0.439	0.466	0.46	0.44	0.49
ME-19-6	0.483	0.474	0.48	0.468	0.47	0.478	0.47	0.48	0.480	0.488	0.449	0.467	0.48	0.44	0.48
ME-19-7	0.487	0.463	0.48	0.460	0.46	0.479	0.47	0.47	0.482	0.485	0.418	0.482	0.48	0.44	0.48
ME-19-8	0.462	0.459	0.48	0.469	0.46	0.478	0.47	0.47	0.485	0.489	0.432	0.472	0.48	0.44	0.48
ME-19-9	0.483	0.477	0.47	0.469	0.46	0.477	0.47	0.48	0.485	0.496	0.442	0.464	0.48	0.44	0.48
ME-19-10	0.483	0.470	0.48	0.468	0.46	0.479	0.48	0.47	0.491	0.483	0.436	0.463	0.45	0.43	0.47
Mean	0.478	0.465	0.475	0.468	0.463	0.475	0.478	0.471	0.485	0.484	0.437	0.467	0.473	0.438	0.478
Std. Devn.	0.0078	0.0098	0.0053	0.0031	0.0048	0.0034	0.0103	0.0057	0.0034	0.0063	0.0085	0.0074	0.0116	0.0042	0.0063
% RSD	1.64	2.11	1.11	0.66	1.04	0.73	2.16	1.21	0.70	1.30	1.95	1.58	2.45	0.96	1.32
	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb
ME-19-1	1.03	0.971	1.01	0.994	0.97	0.96	0.94	0.95	1.022	0.913	0.953	0.979	0.94	0.78	0.96
ME-19-2	1.05	0.971	1.01	1.007	0.94	0.97	0.97	0.97	1.020	0.931	0.935	0.960	0.96	0.77	0.98
ME-19-3	1.03	0.983	1.01	1.018	0.97	0.98	0.97	0.97	1.009	0.944	0.928	0.971	0.96	0.75	0.99
ME-19-4	1.01	0.983	1.03	1.033	0.97	0.97	0.96	0.97	1.017	0.923	0.934	0.975	0.95	0.76	0.97
ME-19-5	1.03	0.983	1.01	1.026	0.97	0.96	0.96	0.97	1.032	0.947	0.912	0.987	0.96	0.78	1.00
ME-19-6	1.05	0.954	1.03	1.002	0.96	0.96	0.95	0.98	1.023	0.941	0.921	0.967	0.94	0.76	0.98
ME-19-7	1.05	0.950	1.03	1.003	0.97	0.98	0.95	0.96	1.025	0.942	0.923	0.974	0.90	0.75	0.96
ME-19-8	1.00	0.983	1.03	0.999	0.98	0.98	0.94	0.96	1.029	0.951	0.956	0.961	0.98	0.76	0.98
ME-19-9	1.02	0.966	1.02	1.006	0.97	0.97	0.95	0.97	1.037	0.963	0.943	0.953	0.94	0.77	0.98
ME-19-10	1.03	0.959	1.03	0.997	1.00	0.97	0.97	0.95	1.038	0.951	0.923	0.957	0.92	0.76	0.97
Mean	1.03	0.97	1.02	1.01	0.97	0.97	0.96	0.97	1.03	0.94	0.93	0.97	0.95	0.76	0.98
Std. Devn.	0.0181	0.0128	0.0099	0.0129	0.0149	0.0082	0.0117	0.0097	0.0090	0.0147	0.0143	0.0107	0.0227	0.0107	0.0125
% RSD	1.75	1.32	0.97	1.28	1.54	0.84	1.23	1.01	0.88	1.56	1.53	1.11	2.41	1.41	1.28
	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn
ME-19-1	0.753	0.767	0.73	0.767	0.76	0.77	0.75	0.75	0.816	0.712	0.764	0.764	0.77	0.58	0.71
ME-19-2	0.726	0.759	0.75	0.764	0.73	0.76	0.77	0.75	0.802	0.710	0.756	0.749	0.78	0.57	0.70
ME-19-3	0.749	0.761	0.74	0.778	0.74	0.77	0.77	0.75	0.790	0.728	0.752	0.762	0.77	0.57	0.70
ME-19-4	0.741	0.764	0.74	0.768	0.71	0.77	0.77	0.74	0.805	0.702	0.770	0.762	0.77	0.56	0.70
ME-19-5	0.765	0.756	0.73	0.765	0.71	0.77	0.77	0.75	0.823	0.722	0.731	0.768	0.77	0.57	0.68
ME-19-6	0.764	0.743	0.76	0.764	0.72	0.78	0.75	0.76	0.816	0.721	0.746	0.756	0.76	0.56	0.72
ME-19-7	0.772	0.731	0.75	0.764	0.70	0.78	0.76	0.75	0.817	0.721	0.747	0.763	0.75	0.56	0.70
ME-19-8	0.724	0.759	0.76	0.762	0.72	0.78	0.75	0.75	0.834	0.732	0.768	0.757	0.80	0.56	0.69
ME-19-9	0.744	0.755	0.75	0.768	0.72	0.77	0.76	0.76	0.849	0.740	0.761	0.757	0.76	0.57	0.71
ME-19-10	0.759	0.753	0.76	0.770	0.75	0.78	0.78	0.75	0.835	0.728	0.752	0.750	0.75	0.56	0.71
Mean	0.75	0.75	0.75	0.77	0.73	0.77	0.76	0.75	0.82	0.72	0.75	0.76	0.77	0.57	0.70
Std. Devn.	0.0162	0.0106	0.0116	0.0047	0.0190	0.0067	0.0106	0.0057	0.0175	0.0113	0.0118	0.0061	0.0148	0.0070	0.0114
% RSD	2.16	1.41	1.55	0.61	2.61	0.87	1.39	0.76	2.14	1.56	1.56	0.81	1.92	1.24	1.62

Note: Cu data from Lab 11 was removed for failing the t test.
Pb and Zn data from Lab 14 was removed for failing the t test.

REFERENCE MATERIAL CDN-ME-19

Participating Laboratories:

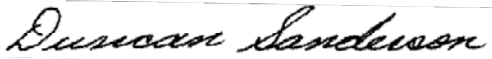
(not in same order as listed in table of results)

Acme Analytical Laboratories Ltd., Vancouver, B.C., Canada
Actlabs, Ancaster, Ontario, Canada
Actlabs, Stewart, B.C., Canada
Actlabs, Thunder Bay, Ontario, Canada
AGAT, Mississauga, Ontario, Canada
AHK Geochem, Alaska, USA
ALS Chemex Laboratories, North Vancouver, B.C., Canada
Alex Stewart Argentina SA
CIMM, Lima, Peru
Inspectorate, Richmond, B.C., Canada
OMAC Laboratories Ltd., Ireland
SGS, Lima, Peru
Skyline Assayers & Laboratories, Arizona, USA
Stewart Group, Kamloops, B.C., Canada
TSL Laboratories, Saskatoon, Canada

Legal Notice:


This certificate and the reference material described in it have been prepared with due care and attention. However CDN Resource Laboratories Ltd. or Barry Smee accept no liability for any decisions or actions taken following the use of the reference material. Our liability is limited solely to the cost of the reference material.

Certified by



Duncan Sanderson, Certified Assayer of B.C.

Geochemist



Dr. Barry Smee, Ph.D., P. Geo.

CDN Resource Laboratories Ltd.

Unit 2 - 20148, 102nd Avenue, Langley, B.C., Canada, V1M 4B4, Ph: 604-882-8422 Fax: 604-882-8466
(www.cdnlabs.com)

ORE REFERENCE STANDARD: CDN-CGS-20

Recommended values and the "Between Lab" Two Standard Deviations

Copper concentration: 3.36 ± 0.17 %

Gold concentration: 7.75 ± 0.47 g/t

PREPARED BY: CDN Resource Laboratories Ltd.

CERTIFIED BY: Duncan Sanderson, B.Sc., Licensed Assayer of British Columbia

INDEPENDENT GEOCHEMIST: Dr. Barry Smee., Ph.D., P. Geo.

DATE OF CERTIFICATION: September 05, 2008

METHOD OF PREPARATION:

Reject ore material was dried, crushed, pulverized and then passed through a 200 mesh screen. The +200 material was discarded. The -200 material was mixed for 6 days in a double-cone blender. Splits were taken and sent to 12 laboratories for round robin assaying.

ORIGIN OF REFERENCE MATERIAL:

This standard is made from a combination of granitic material and an Au / Cu concentrate.

Approximate chemical composition is as follows:

	Percent			Percent
SiO ₂	52.2		MgO	2.7
Al ₂ O ₃	13.0		K ₂ O	1.8
Fe ₂ O ₃	12.2		TiO ₂	0.7
CaO	6.1		LOI	4.7
Na ₂ O	2.5		S	5.9

Statistical Procedures:

The final limits were calculated after first determining if all data was compatible within a spread normally expected for similar analytical methods done by reputable laboratories. Data from any one laboratory was removed from further calculations when the mean of all analyses from that laboratory failed a t test of the global means of the other laboratories. The means and standard deviations were calculated using all remaining data. Any analysis that fell outside of the mean ±2 standard deviations was removed from the ensuing data base. The mean and standard deviations were again calculated using the remaining data. This method is different from that used by Government agencies in that the actual "between-laboratory" standard deviation is used in the calculations. This produces upper and lower limits that reflect actual individual analyses rather than a grouped set of analyses. The limits can therefore be used to monitor accuracy from individual analyses, unlike the Confidence Limits published on other standards.

STANDARD REFERENCE MATERIAL CDN-CGS-20

Results from round-robin assaying:

Assay Procedures: **Au:** Fire assay pre-concentration, AA or ICP finish (30g sub-sample).

Cu: 4-acid digestion, AA or ICP finish.

	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8	Lab 9	Lab 10	Lab 11	Lab 12
	Au (g/t)	Au (g/t)	Au (g/t)	Au (g/t)	Au (g/t)	Au (g/t)	Au (g/t)	Au (g/t)	Au (g/t)	Au (g/t)	Au (g/t)	Au (g/t)
	7.17	7.76	7.75	7.40	7.91	8.03	7.85	7.31	7.84	8.20	7.59	7.88
	7.78	7.60	7.82	7.60	8.17	7.67	8.03	7.78	7.88	8.31	7.41	7.84
	7.58	7.66	7.61	7.20	8.13	7.95	7.96	7.65	7.92	8.31	7.67	7.71
	7.79	7.52	7.60	7.50	8.03	8.04	8.02	7.65	7.72	8.54	7.77	8.23
	7.60	7.64	8.00	7.60	8.14	7.83	8.42	7.72	8.12	7.52	7.68	7.68
	7.57	7.91	7.61	7.30	8.17	7.95	8.25	7.38	7.88	8.45	7.49	8.03
	7.37	7.65	7.70	7.60	8.06	7.77	8.12	7.41	7.68	8.41	7.74	7.55
	7.77	7.82	7.50	7.70	7.99	7.65	7.59	7.32	7.92	8.32	7.46	7.65
	7.53	7.53	7.67	7.60	7.80	7.59	7.50	7.32	8.08	7.43	7.52	7.95
	7.30	7.58	8.12	7.20	8.12	8.10	8.10	7.63	7.84	8.18	7.76	7.86
Mean	7.55	7.67	7.74	7.47	8.05	7.86	7.98	7.52	7.89	8.17	7.61	7.84
Std. Dev.	0.211	0.127	0.193	0.183	0.122	0.182	0.280	0.184	0.137	0.381	0.133	0.201
%RSD	2.80	1.65	2.50	2.45	1.52	2.31	3.50	2.45	1.74	4.66	1.75	2.57
	Cu (%)	Cu (%)	Cu (%)	Cu (%)	Cu (%)	Cu (%)	Cu (%)	Cu (%)	Cu (%)	Cu (%)	Cu (%)	Cu (%)
	3.36	3.38	3.54	3.28	3.40	3.83	3.40	3.28	3.35	3.22	3.32	3.54
	3.36	3.42	3.42	3.31	3.50	3.63	3.30	3.36	3.35	3.20	3.49	3.58
	3.34	3.45	3.33	3.29	3.44	3.86	3.47	3.31	3.38	3.24	3.31	3.56
	3.37	3.51	3.38	3.28	3.42	3.82	3.36	3.32	3.36	3.21	3.33	3.67
	3.34	3.42	3.36	3.27	3.44	3.45	3.28	3.29	3.34	3.25	3.30	3.60
	3.36	3.34	3.40	3.28	3.41	3.85	3.30	3.38	3.32	3.25	3.42	3.57
	3.37	3.43	3.38	3.28	3.50	3.61	3.27	3.44	3.36	3.26	3.29	3.56
	3.34	3.48	3.33	3.27	3.49	3.84	3.33	3.33	3.38	3.27	3.34	3.59
	3.37	3.43	3.35	3.27	3.45	3.69	3.29	3.50	3.34	3.22	3.25	3.53
	3.33	3.43	3.36	3.29	3.40	3.57	3.25	3.37	3.37	3.24	3.32	3.57
Mean	3.35	3.43	3.38	3.28	3.45	3.71	3.32	3.36	3.36	3.24	3.34	3.58
Std. Dev.	0.015	0.047	0.063	0.013	0.040	0.145	0.067	0.069	0.018	0.023	0.069	0.039
%RSD	0.45	1.38	1.86	0.40	1.15	3.89	2.02	2.05	0.54	0.70	2.07	1.09

Note: Au data from Lab. 10 was removed for failing the “t” test.

Cu data from Lab. 6 was removed for failing the “t” test.

STANDARD REFERENCE MATERIAL CDN-CGS-20

Participating Laboratories:

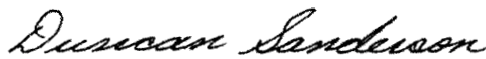
(not in same order as listed in table of results)

Acme Analytical Laboratories Ltd., Vancouver
Actlabs, Ontario, Canada
Assayers Canada Ltd., Vancouver
ALS Chemex Laboratories, North Vancouver
Alex Stewart Assayers, Argentina
Genalysis Laboratory Services Pty. Ltd., Australia
International Plasma Laboratories, Canada
Labtium Laboratory, Finland
OMAC Laboratories Ltd., Ireland
Skyline Assayers & Laboratories, Tucson, USA
TSL Laboratories, Saskatoon, Canada
Ultra Trace Analytical Laboratories, Australia

Legal Notice:

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Certified by



Duncan Sanderson, Certified Assayer of B.C.

Geochemist



Dr. Barry Smee, Ph.D., P. Geo.

CDN Resource Laboratories Ltd.

#2, 20148 – 102 Avenue, Langley, B.C., Canada, V1M 4B4, 604-882-8422, Fax: 604-882-8466 (www.cdnlabs.com)

GOLD ORE REFERENCE STANDARD: CDN-GS-20A

Recommended value and the "Between Laboratory" two standard deviations

Gold concentration: 21.12 ± 1.54 g/t

PREPARED BY: CDN Resource Laboratories Ltd.
CERTIFIED BY: Duncan Sanderson, B.Sc., Licensed Assayer of British Columbia
INDEPENDENT GEOCHEMIST: Dr. Barry Smee., Ph.D., P. Geo.
DATE OF CERTIFICATION: March 20, 2009

ORIGIN OF REFERENCE MATERIAL:

Standard CDN-GS-20A was prepared using ore supplied by Comaplex Minerals Corporation. The ore is from the 1100 lode of the Tiriganiaq Gold Deposit north of Rankin Inlet in Nunavut. It is a banded magnetite iron formation zone with gold in quartz shears with accessory pyrrhotite, pyrite, and arsenopyrite. The gold is free milling although there may be a small refractory component.

METHOD OF PREPARATION:

Reject ore material was dried, crushed, pulverized and then passed through a 200 mesh screen. The +200 material was discarded. The -200 material was mixed for 6 days in a double-cone blender. Splits were taken and sent to 12 commercial laboratories for round robin assaying. Round robin results are displayed below:

	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8	Lab 9	Lab 10	Lab 11	Lab 12
	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t
GS20A-1	20.46	21.00	21.6	20.8	22.22	21.80	20.40	20.6	21.55	20.7	20.82	20.58
GS20A-2	19.71	21.40	21.9	20.4	23.00	21.40	19.97	22.3	21.83	21.7	21.77	21.23
GS20A-3	20.69	20.80	21.3	20.5	21.60	20.50	20.71	20.7	21.96	22.7	20.64	21.44
GS20A-4	20.19	19.85	21.3	20.6	22.00	21.90	20.28	19.9	22.39	22.7	23.44	20.54
GS20A-5	19.53	22.00	22.6	20.6	20.80	19.33	20.94	20.4	21.64	21.3	21.45	20.99
GS20A-6	19.85	20.90	21.2	20.8	21.80	18.40	20.85	21.6	22.07	22.3	21.15	21.45
GS20A-7	19.99	21.30	20.9	20.0	21.30	19.13	20.94	20.6	21.70	22.0	21.44	21.38
GS20A-8	20.83	21.50	21.3	20.2	20.50	19.37	20.48	21.5	22.29	22.0	20.65	20.86
GS20A-9	21.65	21.10	22.1	20.2	22.00	20.57	20.16	21.9	21.52	22.0	20.99	20.86
GS20A-10	21.50	21.70	21.6	20.1	22.80	19.87	20.07	20.4	22.36	21.7	20.20	21.29
Mean	20.44	21.16	21.58	20.42	21.80	20.23	20.48	20.99	21.93	21.91	21.26	21.06
Std. Dev.	0.729	0.590	0.501	0.286	0.794	1.204	0.364	0.778	0.334	0.610	0.897	0.346
%RSD	3.56	2.79	2.32	1.40	3.64	5.95	1.78	3.71	1.52	2.78	4.22	1.64

Assay Procedure: all assays were fire assay, gravimetric finish on 30g samples

APPROXIMATE CHEMICAL COMPOSITION:

	Percent		Percent
SiO ₂	79.0	Na ₂ O	0.8
Al ₂ O ₃	5.2	MgO	1.1
Fe ₂ O ₃	5.0	K ₂ O	1.1
CaO	2.8	TiO ₂	0.3
MnO	0.1	LOI	3.3
S	0.8		

GOLD ORE REFERENCE STANDARD: CDN-GS-20A

Statistical Procedures:

The final limits were calculated after first determining if all data was compatible within a spread normally expected for similar analytical methods done by reputable laboratories. Data from any one laboratory was removed from further calculations when the mean of all analyses from that laboratory failed a t test of the global means of the other laboratories. The mean and standard deviation were calculated using all remaining data. Any analysis that fell outside of the mean ± 2 standard deviations was removed from the ensuing data base. The mean and standard deviations were again calculated using the remaining data. This method is different from that used by Government agencies in that the actual "between-laboratory" standard deviation is used in the calculations. This produces upper and lower limits that reflect actual individual analyses rather than a grouped set of analyses. The limits can therefore be used to monitor accuracy from individual analyses, unlike the Confidence Limits published on other standards.

Participating Laboratories:

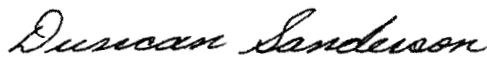
(not in same order as table of assays)

Acme Analytical Laboratories Ltd., Vancouver, Canada
Activation Laboratories, Ancaster, Ontario, Canada
Activation Laboratories, Thunder Bay, Ontario, Canada
ALS Chemex, North Vancouver, Canada
Assayers Canada Ltd., Vancouver, Canada
Alex Stewart (Assayers) Argentina Ltd.
Eco Tech, Canada
Labtium Inc., Finland
Omac Laboratory, Ireland
International Plasma Laboratories, Canada
TSL Laboratories Ltd., Saskatoon, Canada
American Assay Lab, USA

Legal Notice:

This certificate and the reference material described in it have been prepared with due care and attention. However CDN Resource Laboratories Ltd. nor Barry Smee accept any liability for any decisions or actions taken following the use of the reference material. Our liability is limited solely to the cost of the reference material.

Certified by



Duncan Sanderson, Certified Assayer of B.C.

Geochemist



Dr. Barry Smee, Ph.D., P. Geo.

APPENDIX VI: LABORATORY PROCEDURES



Fire Assay Procedure

Ag-GRA21, Ag-GRA22, Au-GRA21 and Au-GRA22 Precious Metals Gravimetric Analysis Methods

Sample Decomposition:

Fire Assay Fusion (FA-FUSAG1, FA-FUSAG2, FA-FUSGV1 and FA-FUSGV2)

Analytical Method:

Gravimetric

A prepared sample is fused with a mixture of lead oxide, sodium carbonate, borax, silica and other reagents in order to produce a lead button. The lead button containing the precious metals is cupelled to remove the lead. The remaining gold and silver bead is parted in dilute nitric acid, annealed and weighed as gold. Silver, if requested, is then determined by the difference in weights.

Method Code	Element	Symbol	Units	Sample Weight (g)	Detection Limit	Upper Limit
Ag-GRA21	Silver	Ag	ppm	30	5	10,000
Ag-GRA22	Silver	Ag	ppm	50	5	10,000
Au-GRA21	Gold	Au	ppm	30	0.05	1000
Au-GRA22	Gold	Au	ppm	50	0.05	1000

Revision 03.01
Aug 17, 2005

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Fire Assay Procedure

Au- AA25 and Au- AA26 Fire Assay Fusion, AAS Finish

Sample Decomposition:

Fire Assay Fusion (FA-FUS03 & FA-FUS04)

Analytical Method:

Atomic Absorption Spectroscopy (AAS)

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

The bead is digested in 0.5 mL dilute nitric acid in the microwave oven. 0.5 mL concentrated hydrochloric acid is then added and the bead is further digested in the microwave at a lower power setting. The digested solution is cooled, diluted to a total volume of 10 mL with de-mineralized water, and analyzed by atomic absorption spectroscopy against matrix-matched standards.

Method Code	Element	Symbol	Units	Sample Weight (g)	Lower Limit	Upper Limit	Default Overlimit Method
Au-AA25	Gold	Au	ppm	30	0.01	100	Au-GRA21
Au-AA26	Gold	Au	ppm	50	0.01	100	Au-GRA22

Revision 03.02
Nov 09, 2006

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Fire Assay Procedure

Au- AA23 & Au- AA24 Fire Assay Fusion, AAS Finish

Sample Decomposition:

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

Analytical Method:

Atomic Absorption Spectroscopy (AAS)

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

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

Method Code	Element	Symbol	Units	Sample Weight (g)	Lower Limit	Upper Limit	Default Overlimit Method
Au-AA23	Gold	Au	ppm	30	0.005	10.0	Au- GRA21
Au-AA24	Gold	Au	ppm	50	0.005	10.0	Au- GRA22

Revision 04.00
Aug 17, 2005

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Fire Assay Procedure

Au- ICP21 and Au- ICP22 Fire Assay Fusion ICP- AES Finish

Sample Decomposition:

Fire Assay Fusion (FA-FUSPG1 & FA-FUSPG2)

Analytical Method:

Inductively Coupled Plasma – Atomic Emission Spectrometry (ICP-AES)

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

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

Method Code	Element	Symbol	Units	Sample Weight (g)	Lower Limit	Upper Limit	Default Overlimit Method
Au-ICP21	Gold	Au	ppm	30	0.001	10	Au-AA25
Au-ICP22	Gold	Au	ppm	50	0.001	10	Au-AA26

Revision 01.01
Aug 18, 2005

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Geochemical Procedure

ME- ICP61

Trace Level Methods Using Conventional ICP- AES Analysis

Sample Decomposition:

HNO₃-HClO₄-HF-HCl digestion, HCl Leach (GEO-4ACID)

Analytical Method:

Inductively Coupled Plasma - Atomic Emission Spectroscopy (ICP - AES)

A prepared sample (0.25 g) is digested with perchloric, nitric, hydrofluoric and hydrochloric acids. The residue is topped up with dilute hydrochloric acid and the resulting solution is analyzed by inductively coupled plasma-atomic emission spectrometry. Results are corrected for spectral interelement interferences.

NOTE: Four acid digestions are able to dissolve most minerals; however, although the term "*near-total*" is used, depending on the sample matrix, not all elements are quantitatively extracted.

Element	Symbol	Units	Lower Limit	Upper Limit	Default Overlimit Method
Silver	Ag	ppm	0.5	100	Ag-OG62
Aluminum	Al	%	0.01	50	
Arsenic	As	ppm	5	10000	
Barium	Ba	ppm	10	10000	
Beryllium	Be	ppm	0.5	1000	
Bismuth	Bi	ppm	2	10000	
Calcium	Ca	%	0.01	50	
Cadmium	Cd	ppm	0.5	500	
Cobalt	Co	ppm	1	10000	Co-OG62
Chromium	Cr	ppm	1	10000	
Copper	Cu	ppm	1	10000	Cu-OG62
Iron	Fe	%	0.01	50	
Gallium	Ga	ppm	10	10000	

Revision 03.01
May 1, 2007

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Geochemical Procedure

Element	Symbol	Units	Lower Limit	Upper Limit	Default Overlimit Method
Potassium	K	%	0.01	10	
Lanthanum	La	ppm	10	10000	
Magnesium	Mg	%	0.01	50	
Manganese	Mn	ppm	5	100000	
Molybdenum	Mo	ppm	1	10000	Mo-OG62
Sodium	Na	%	0.01	10	
Nickel	Ni	ppm	1	10000	Ni-OG62
Phosphorus	P	ppm	10	10000	
Lead	Pb	ppm	2	10000	Pb-OG62
Sulphur	S	%	0.01	10	
Antimony	Sb	ppm	5	10000	
Scandium	Sc	ppm	1	10000	
Strontium	Sr	ppm	1	10000	
Thorium	Th	ppm	20	10000	
Titanium	Ti	%	0.01	10	
Thallium	Tl	ppm	10	10000	
Uranium	U	ppm	10	10000	
Vanadium	V	ppm	1	10000	
Tungsten	W	ppm	10	10000	
Zinc	Zn	ppm	2	10000	Zn-OG62

Revision 03.01
May 1, 2007

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Geochemical Procedure

Elements listed
below are available upon request

Element	Symbol	Units	Lower Limit	Upper Limit	Default Overlimit Method
Lithium	Li	ppm	10	10000	
Niobium	Nb	ppm	5	2000	
Rubidium	Rb	ppm	10	10000	
Selenium	Se	ppm	10	1000	
Tin	Sn	ppm	10	10000	
Tantalum	Ta	ppm	10	10000	
Tellurium	Te	ppm	10	10000	
Yttrium	Y	ppm	10	10000	
Zirconium	Zr	ppm	5	500	

Revision 03.01
May 1, 2007

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Assay Procedure

ME- OG62

Ore Grade Elements by Four Acid Digestion Using Conventional ICP- AES Analysis

Sample Decomposition:

HNO₃-HClO₄-HF-HCl Digestion (ASY-4A01)

Analytical Method:

Inductively Coupled Plasma - Atomic Emission Spectroscopy (ICP - AES)*

Assays for the evaluation of ores and high-grade materials are optimized for accuracy and precision at high concentrations. Ultra high concentration samples (> 15 -20%) may require the use of methods such as titrimetric and gravimetric analysis, in order to achieve maximum accuracy.

A prepared sample is digested with nitric, perchloric, hydrofluoric, and hydrochloric acids, and then evaporated to incipient dryness. Hydrochloric acid and de-ionized water is added for further digestion, and the sample is heated for an additional allotted time. The sample is cooled to room temperature and transferred to a volumetric flask (100 mL). The resulting solution is diluted to volume with de-ionized water, homogenized and the solution is analyzed by inductively coupled plasma - atomic emission spectroscopy or by atomic absorption spectrometry.

*NOTE: ICP-AES is the default finish technique for ME-OG62. However, under some conditions and at the discretion of the laboratory an AA finish may be substituted. The certificate will clearly reflect which instrument finish was used.

Element	Symbol	Units	Lower Limit	Upper Limit
Silver	Ag	ppm	1	1500
Arsenic	As	%	0.01	30
Bismuth	Bi	%	0.01	30
Cadmium	Cd	%	0.0001	10
Cobalt	Co	%	0.001	20
Chromium	Cr	%	0.002	30

Revision 03.04
Jan 22, 2009

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Assay Procedure

Element	Symbol	Units	Lower Limit	Upper Limit
Copper	Cu	%	0.001	40
Iron	Fe	%	0.01	100
Manganese	Mn	%	0.01	50
Molybdenum	Mo	%	0.001	10
Nickel	Ni	%	0.001	30
Lead	Pb	%	0.001	20
Zinc	Zn	%	0.001	30

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Fire Assay Procedure

Au- SCR21 Precious Metals Analysis – Screen Metallics Gold, Double Minus

Sample Decomposition:

Fire Assay Fusion

Analytical Method:

Gravimetric

1000 g of the final prepared pulp is passed through a 100 micron (Tyler 150 mesh) stainless steel screen to separate the oversize fractions. Any +100 micron material remaining on the screen is retained and analyzed in its entirety by fire assay with gravimetric finish and reported as the Au(+)fraction result. The -100 micron fraction is homogenized and two sub-samples are analyzed by fire assay with AAS finish (Au-AA25 and Au-AA25D). The average of the two AAS results is taken and reported as the Au (-) fraction result. All three values are used in calculating the combined gold content of the plus and minus fractions.

In the fire assay procedure, the sample is fused with a mixture of lead oxide, sodium carbonate, borax, silica and other reagents as required in order to produce a lead button. The lead button, containing the precious metals, is cupelled to remove the lead and the resulting precious metal bead is parted in dilute nitric acid, annealed and weighed to determine gold content.

The gold values for both the +100 and -100 micron fractions are reported together with the weight of each fraction as well as the calculated total gold content of the sample.

Calculations:

$$Au^{-} \text{ avg} = \frac{Au^{-}(1) + Au^{-}(2)}{2}$$

$$Au_{Total}(g/t) = \frac{(Au^{-} \text{ avg}(g/t) \times Wt.Minus(g) \times 10^{-6} t/g) + (Weight \text{ Au in Plus}(mg) \times 10^{-3} g/mg)}{(Wt.Minus(g) + Wt.Plus(g)) \times 10^{-6} t/g}$$

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Fire Assay Procedure

Fire Assay

Procedure - Au- SCR21 Precious Metals Analysis - Screen Metallics Gold, Double Minus cont'd

Determination Reported	Description	Detection Limit	Upper Limit	Units
Au Total (+)(-) Combined	Total gold content of sample as determined by metallics calculation above.	0.05	1000	ppm
Au (+) Fraction	Gold content of plus fraction determined by Au-GRA21.	0.05	100,000	ppm
Au (-) Fraction	Gold content of minus fraction. Reported as average of two subsamples.	0.05	1000	ppm
Au-AA25	Gold content of first minus fraction subsample.	0.05	1000	ppm
Au-AA25D	Gold content of second minus fraction subsample.	0.05	1000	ppm
Au (+) mg	Weight of gold in plus fraction.	0.001	1000	mg
WT. (+) Fraction Entire	Weight of plus fraction.	0.01	1000	g
WT. (-) Fraction Entire	Weight of minus fraction.	0.1	10,000	g

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