ASSESSMENT REPORT

on a

GEOCHEMICAL

ANALYTICAL PROGRAM

on the

BAM PROPERTY

ARCTIC LAKE AREA

LIARD MINING DIVISION, B.C.

BCGS MAP:	104G 016/026
LATITUDE:	57°11' N
LONGITUDE:	130°52' 30" W
OWNER/OPERATOR:	Bearclaw Capital Corp.
CONSULTANTS:	Discovery Consultants
AUTHOR:	Tom Carpenter, P.Geo.
DATE:	September 15, 2005

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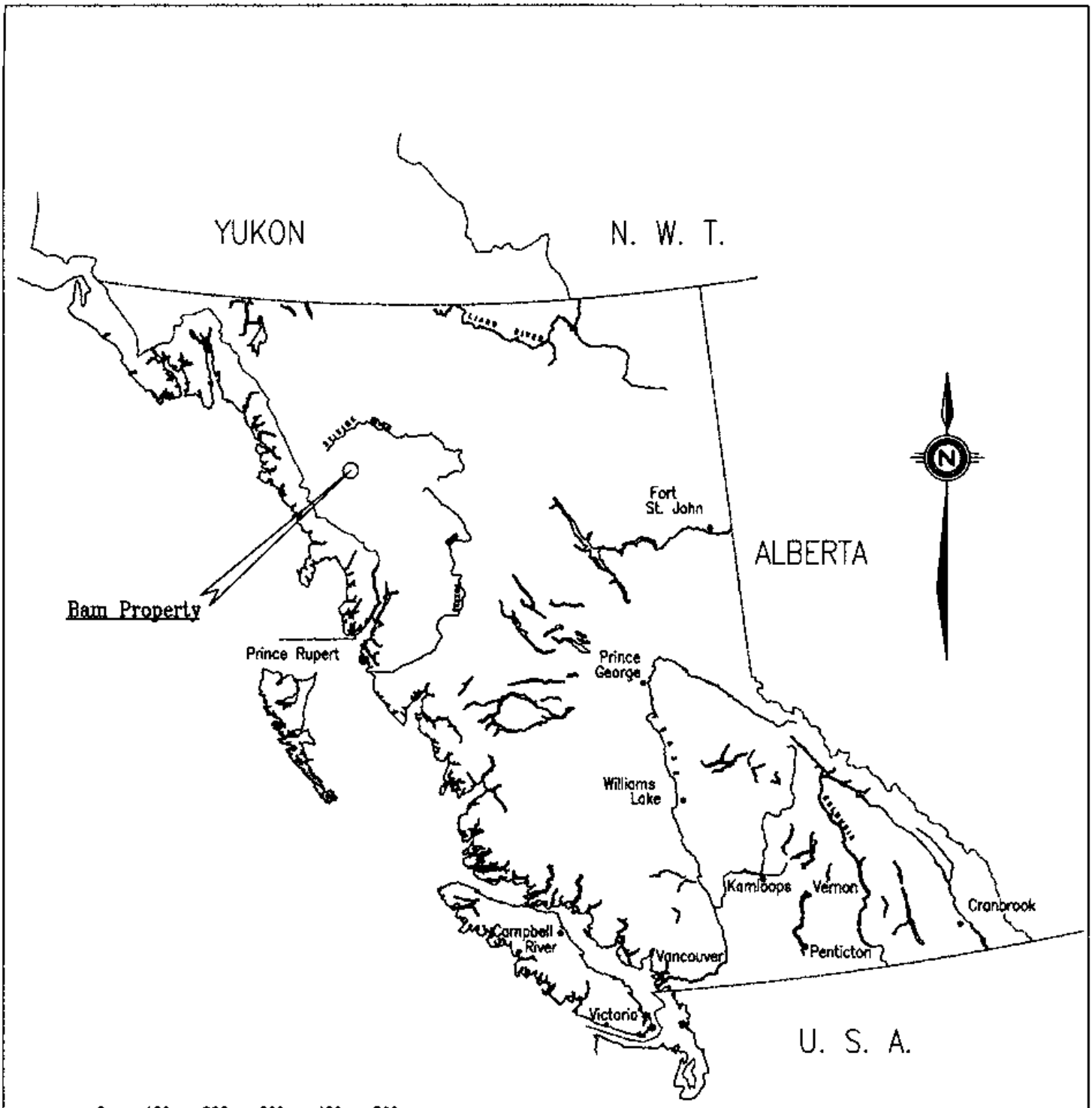
SUMMARY

The Bam property is host to vein gold mineralization within quartz diorite intrusions of Jurassic age. The property is located south of Arctic Lake and east of Mess Creek in north-central B.C. Exploration has been carried out in the area since the 1950s, primarily for porphyry copper style mineralization. In 1986, Chevron Resources Limited discovered vein type gold mineralization on the southwestern part of the property. Gold occurs in late stage quartz veins within a Jurassic quartz diorite.

In August 1996 a previously reported exploration program, consisting of a geochemical soil sampling survey and a diamond drilling program was carried out on the property. A total of 362 soil samples was collected and analysed for gold only.

In 2005 the pulps of the soil samples were reanalyzed for multi-element data by ICP methods. The results of these analyses form the basis of the present report.



DISCOVERY Consultants

Bearclaw Capital Corp.

THC

Bam Property

LOCATION MAP

Date:	Mar.17/2004	Project:	674	Scale:	1:10,000,000	N.T.S.:	B.C.	Mining Div:	Liard	Figure:	1

INTRODUCTION

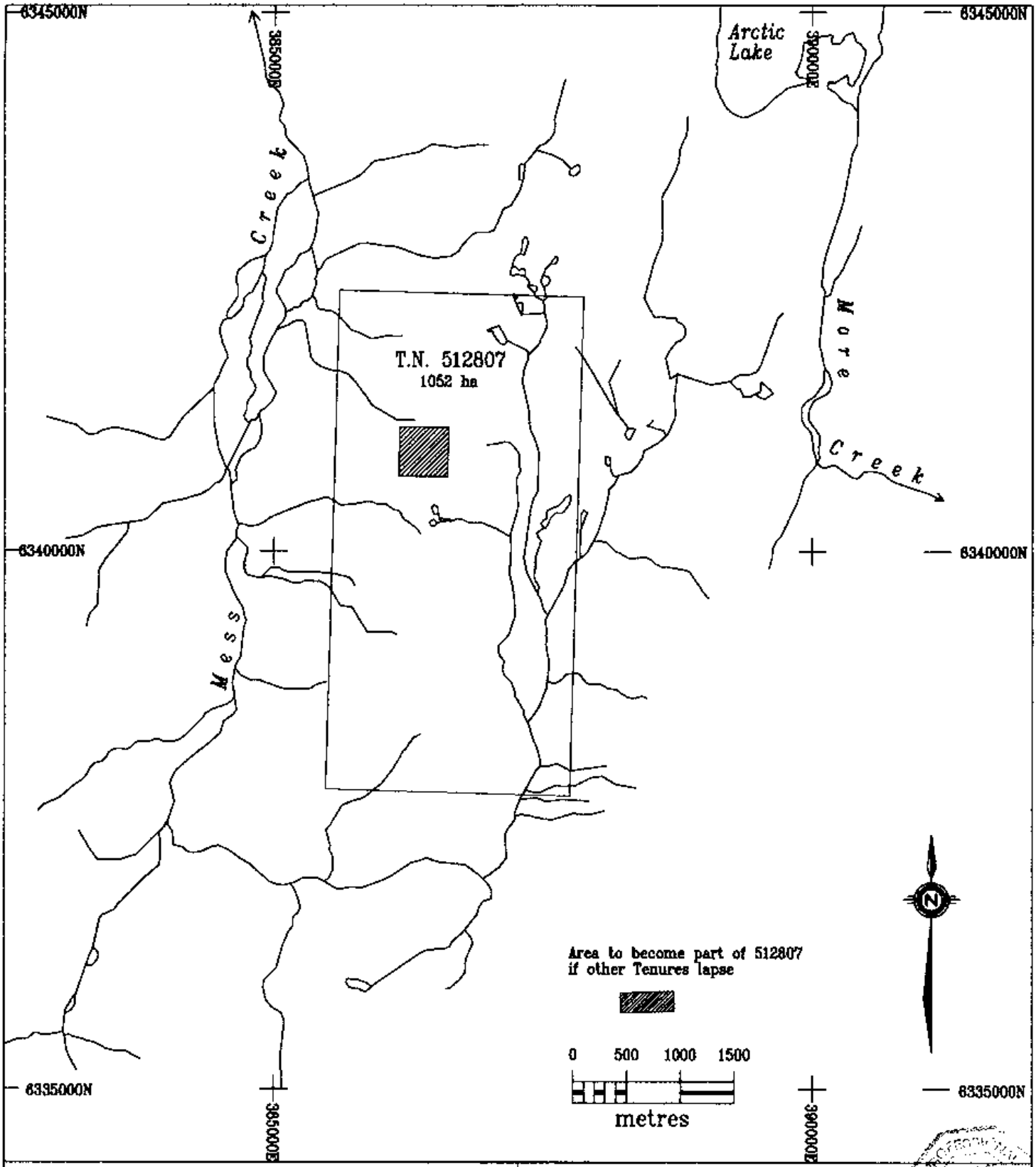
This report describes the results of analyses of previously collected soil samples from the Bam property. The objective was to test for other elements associated with gold anomalies defined in these soil samples from various points on the Bam property.

A number of the previously collected samples had been retested in 1996 to confirm anomalous gold values in the primary analyses and there was insufficient material remaining to carry out additional analyses.

LOCATION AND ACCESS

The Bam property is located in the Liard Mining Division of northwestern British Columbia. The property is approximately 80 km south of Telegraph Creek, B.C., near the headwaters of Mess Creek. The central part of the property occurs at latitude 57°11' N and longitude 131°52' W, located within B.C. Geographic System (BCGS) map sheets 104G 016 and 026 (Figure 1).

Access is by helicopter from Tatogga Lake or Bob Quinn Lake. Previous exploration in the area was carried out in part by float equipped aircraft into Arctic Lake, 7 km north-northeast of the claims. The nearest airstrip is at Schaft Creek, twenty-two kilometres northwest of the property.



DISCOVERY Consultants

BEARCLAW CAPITAL CORP.

Bam Property

Claim Location Map

Date:	May 24/2005	Project:	674	Scale:	1:50,000	N.T.S.:	104G/2W	Mining Div:	Liard	Figure:	2

TOPOGRAPHY

The Bam property is situated between the Coast Range Mountains to the west and the Mount Edziza Plateau to the east. Elevation ranges from 820 m in the Mess Creek valley to 1,620 m in the claim area. The property is relatively flat while rugged mountainous terrain exists on the east, west and south flanks. Drainage is via tributaries to Mess Creek in the west, as well as to the south and to the east. Forest cover is sparse as the majority of the property is alpine meadow. Forest cover thickens towards Mess Creek on the western boundary.

PROPERTY

The Bam property is situated in the Liard Mining Division (Figure 2). Originally the property consisted of six two-post claims, which were staked on May 21, 1995. On August 10, two 4-post claims, called the More 1 and More 2, were staked and the six Bam claims were incorporated into the More claims.

On May 17, 2005 the More 1 and 2 claims were converted into a new tenure as a part of British Columbia's change to a Mineral Titles Online system

Table 1

Claim Status

Claim Name	Record. No.	No. of Cells	Owner of Record	Anniversary Date*
Bam**	512807	60	Bearclaw Capital Corp.	Aug 07/08

* Pending acceptance of this report.

** The Bam 1 to 4 claims, owned by another party, presently cover the Jan occurrence and are surrounded by the Bam claim.

PREVIOUS EXPLORATION

Exploration in the Mess Creek area was first carried out in the 1950's with the discovery and delineation of the Schaft Creek porphyry copper deposit containing published reserves of one billion tons of 0.30% Cu, 0.035% MoS2, 0.004 oz/t Au and 0.035 oz/t Ag (Canadian Mines Handbook, 1986).

In 1964 Hudson Bay Exploration and Development Company Limited carried out a limited drill program on copper mineralization on the Jan property, north of the present Bam Property.

Kennecott Copper carried out a regional copper exploration program in the area in 1965.

In 1967 Shawinigan Mining and Smelting Company Limited drilled 3532 metres in 31 holes on several targets in the Arctic Lake area and outlined a deposit of 330,000 tons of 0.76% Cu within brecciated carbonates on the Jan property.

Mitsui Mining carried out a regional mapping and silt sampling program over the area in 1968.

Phelps-Dodge completed a program of geological mapping, silt and soil sampling in the area of the Jan deposit in 1972.

In 1983 Nairobi Industries undertook a prospecting program on what were then the J.A.N. claims covering the Jan showing. Up until this time the exploration emphasis was on copper mineralization in the area.

In 1984 Homestake Mineral Development Company carried out a reconnaissance mapping, prospecting and sampling program to assess the precious mineral potential of the Bam area.

Chevron Canada Resources discovered significant gold mineralization on the Bam claims in 1986 during a program of mapping, soil sampling, geophysics and trenching.

In 1987 Radcliffe Resources carried out a program of backhoe trenching (1000 metres), rock and soil sampling, a small IP program and 837 metres of diamond drilling in 9 holes over the area of the present Bam claims. Assays to 0.4 oz/tonne Au over 2.4 metres were discovered.

Work was focussed on an area of quartz veining containing 212.9 g/t and 15.6 g/t Au in chip samples.

In 1996 Everest Mining carried out a drilling program in the area of the Radcliffe program based on recommendations in the Radcliffe report. At the same time Everest Mining carried out a soil sampling program over a portion of the property but analyzed the soils for gold only. A reanalysis of these soils forms the basis if this report.

REGIONAL GEOLOGY

The Bam property is situated within the Intermontane belt of the Canadian Cordillera along the east flank of the Coast Mountains. The tectonic setting of the area is described in G.S.C. Paper 71-44 (Souther, 1972).

The Mess Creek valley lies within the Stikine terrane (Monger, 1984), which includes the Stikine Arch, comprising crystalline and metamorphic rocks. The Stikine Arch is thought to have been relatively static during the Mesozoic, but exerted strong influence on Mesozoic structures and sedimentation around its margins.

Normal faulting on north-south faults in the Tertiary produced the Mess Creek valley. Movement occurred on the same fault surfaces as reverse faulting during the Mesozoic. Recent movement along Tertiary fault structures is recorded by progressive overlapping of lavas from the Mount Edziza complex where volcanic activity has occurred as recently as a few hundred years ago.

The stratigraphy in the area has been broken down by Souther (1971) into six tectono-stratigraphic packages as follows:

1. Mississippian to Middle Triassic: Carboniferous rocks that were deformed and regionally metamorphosed during the early to mid-Triassic Tahltanian orogeny.
2. Upper Triassic: Unmetamorphosed, moderately deformed volcanic and sedimentary rocks. This package is separated from overlying strata by a disconformity representing the latest Triassic to earliest Jurassic Inklinian uplift and contemporaneous emplacement of granitic rocks.

3. Lower to Middle Jurassic: Mainly clastic sedimentary rocks derived in part from (2) above and separated from overlying strata by a disconformity representing the mid Jurassic Nassian uplift.

4. Middle to Upper Jurassic: Clastic sediments derived in part from (1), (2), (3) above and separated from overlying strata by an angular unconformity that truncates decollement folds formed during the Columbian orogeny.

5. Cretaceous - Tertiary: Acid volcanic rocks, related intrusions, and contemporaneous clastic sediments separated from overlying strata by an angular unconformity related to early Tertiary extension and block faulting.

6. Late Tertiary - Quaternary: Lava flows and pyroclastic rocks.

The earliest known intrusive activity is the post Upper Triassic to pre-Lower Jurassic Hickman batholith, a biotite-hornblende quartz monzonite to quartz diorite, exposed at the north end of Schaft Creek.

A young group of equidimensional K-spar porphyry plutons occur throughout the area. Jurassic (Cretaceous?) medium to coarse grained quartz monzonite occurs along the Mess Creek valley.

Ultramafic rocks of undetermined age (possibly pre-Lower Jurassic) occur throughout the map area, as mostly small serpentinized units associated with fault structures.

Twenty kilometres north-northwest of the Bam property, the Liard Copper (Schaft Creek) deposit contains 330,000,000 tonnes with 0.3% Cu, 0.02% Mo and 0.32 ppm Au. The Jan deposit, surrounded by the More 1 claim, contains 330,000 tons of 0.76% Cu. Eskay Creek,

located 66 kilometres south-southeast has combined proven and probable reserves of 10,900,000 tonnes containing 0.77% Cu, 5.6% Zn, 65 g/t Au and 2,950 g/t Ag.

Thirty-five kilometres to the west-southwest, the Galore Creek deposit contains a measured and indicated resource of 516,700,000 tonnes of 0.59% Cu, 0.36 g/t Au and 4.54 g/t as well as an inferred resource of 578.3 million tonnes grading 0.41 per cent Cu, 0.42 grams per tonne Au and 4.35 grams per tonne Ag.

PROPERTY GEOLOGY

The property geology is described by Diner (1987) in B.C. Assessment Report #17,570. The following description is excerpted from this report.

The oldest rocks exposed on the Bam property are Permian volcanics and volcaniclastics, which include massive greenstones, chloritic phyllites, schists and minor greywackes. The rocks are massive to well foliated, and can be placed in the greenschist metamorphic facies. At least two metamorphic deformation events can be recognized in outcrop. Near the contact with the granite, the unit is sericitized and Fe carbonated. Xenoliths of the volcanics are abundant throughout the granite. This unit bounds the discovery area to the west and seems devoid of any possible economic mineralization.

Overlying this unit is a thick sequence of limestone, dolomites and minor chert. The dolomites are locally silicified and Fe carbonated and form large orange coloured cliffs on the west side of the property. This unit hosts most of the copper mineralization on the Jan claim. Locally abundant fossils of corals, crinoids and molluscs show this unit to be Mississippian in age.

The carbonate unit is overlain by Lower Jurassic polymictic pebble conglomerate, arkosic sandstone and argillites.

Noted in the 1987 program were serpentinite bodies, which have been extensively carbonated. They are associated with finely laminated carbonaceous siltstone, greywackes and intermediate composition volcanics. The serpentinites seem to be intrusive near fault zones.

Highly anomalous gold values near the serpentinites are notable, and may have to do with the tectonism accompanying emplacement of these bodies. The age is tentatively assigned to pre Lower Jurassic (following Souther, 1972).

A Jurassic (?) quartz diorite to granite intrusion underlies most of the east portion of the property. It shows considerable variation in composition in composition and texture, being overall more felsic-alkalic to the west. The intrusive hosts the gold mineralization on the property. In the discovery area it is granitic, red to flesh coloured, with moderate grain size and locally porphyritic. Also noted are some aplite bodies and a microgranite which seems to be associated with the anomalous outcrops. It has conspicuous 1-2 mm size quartz eyes.
The youngest rocks on the property are the Arctic Lake olivine basalts. They are glacially polished and have preceded the last glaciation. Abundant Quaternary glacial tills cover a significant part of the property.

A host of north-east to north-northeast trending structures are evident on airphotos and on the ground. All of these structures are altered, and must have preceded the alteration event, although movement on them may have continued to the present. Gold mineralization seems to be controlled by some of these structures. In addition, trenching and drilling have established the presence of moderate to low angle faults that locally separate the granites and the phyllites. These faults appear to postdate mineralization.

Drilling has established a 35-60 degree dip for the contact between the granite and the phyllites. The shallow contacts are tectonic in part.

WORK PROGRAM

The last field program carried out on the property in 1996 comprised geochemical soil sampling and diamond drilling. Results of the soil sampling and drilling programs have been described in a previous report. Details of the soil sampling portion of the program are described below.

1. Geochemical Soil Survey

a). Program Parameters

A geochemical soil survey was conducted on the former More 1 and More 2 claims on a grid tied in to a grid previously established by Chevron in 1986. The grid was established to the east of the Chevron grid to test for a continuation of high Au values in soils obtained during the Chevron program.

Soil sampling by Chevron, carried out at 100-metre spacings on lines 500 metres apart, had shown an area of anomalous gold values to 330 ppb immediately to the south of the former Jan 1 claim.

Detailed soil sampling over this area was planned as part of the 1996 program but was never carried out due to early completion of the drill program and a decision to terminate further exploration.

The eastern halves of the More 1 and 2 claims were sampled however. This grid, as noted, was located east of the Chevron grid. East-west lines were established at 200-metre intervals using compass and hip chain.

Samples were collected at 50-metre intervals along the east-west lines. Soil was collected by shovel from the "B" horizon at depths ranging from 15 to 50 cm. Soil was placed in kraft sample bags and shipped to Min-En Laboratories in Smithers for analysis.

At Min-En the samples were dried, sieved to -80 mesh and analyzed for gold using standard 30g Fire Assay/Atomic Absorption techniques.

A total of 362 soil samples was collected.

Following the end of the program the pulp samples, on which only the gold analyses had been carried out, were placed in secure storage for future use.

In 2005 these samples were resubmitted for gold and multi-element ICP analysis to Acme Analytical Laboratories of Vancouver, B.C. A number of the previously collected samples had been retested in 1996 to confirm anomalous gold values in the primary analyses, while others had spilled during storage leaving insufficient material on some samples on which to carry out additional analyses. However sufficient pulp material remained on 341 samples to carry out gold and multi-element analyses.

Complete analytical results are contained in Appendix A. Soil sample locations are shown on Figure 3. Results for gold, silver, copper, antimony, arsenic, lead and zinc are shown on Figures 4 to 10.

Note that the gold results represent 2005 analysis only. The 1996 samples with insufficient sample material for further analysis are marked as *nss* on the accompanying maps. Those with anomalous gold values have however been included within the limits of anomalous gold contours on the accompanying map of gold values.

b) Program Results

A distinct zone of anomalous gold (>25 ppb Au) extends from the area of the Jan occurrence, on the current Bam 1-4 claims, in a northeasterly direction for approximately one kilometre. This linear forms the western limb of an upside down "V" with the apex at approximate grid coordinates of 0300N, 0500E. The eastern leg of the anomaly extends from this point to 0700S, 800E. Within this anomaly, which measures approximately 300 metres wide at its widest point are found gold values to 1424 ppb. Gold values in the same samples measured up to 2550 ppb gold in the 1996 sampling. Gold values are shown on Figure 4.

Coincident silver values to 5.1 ppm are also found within the outline of the gold anomaly (Figure 5).

Copper values are more widespread (Figure 6). Values to 460 ppm are found within a corridor extending north-northeasterly from the southeastern corner of the Bam 1-4 claims covering the Jan occurrence. Background copper values elsewhere on the property average about 30 ppm. This corridor coincides with the western arm of the gold-in-soil anomaly. Three other areas of copper mineralization to the east of this corridor suggest the presence of a possible parallel zone of mineralization.

Antimony and arsenic anomalies, with maximum values of 272 ppm and 351 ppm respectively are almost identical in terms of areal extent (Figures 7 and 8) and correspond roughly with the copper anomaly.

Lead, with anomalous values to 102 ppm (Figure 9), is found as isolated pods within the gold and copper anomaly.

Zinc is more widespread (Figure 10). Values to 990 ppm mimic the gold anomaly but the zinc anomaly is slightly larger in areal extent. The most anomalous zinc values occur at or within the eastern boundary of the Barn claims, in the area of the Jan occurrence

CONCLUSIONS

The Jan occurrence (Minfile #104G027) within the Bam property is described as: *a carbonate package* (of rocks) *hosting copper mineralization in the form of disseminated grains, blebs and veins of tetrahedrite. Disseminated mineralization occurs as irregular grains and blebs of tetrahedrite, minor chalcopyrite, pyrite, malachite and azurite within Permian carbonates and Lower Jurassic conglomerate and arkose.*

The Jan copper showing also hosts anomalous values of silver, zinc, arsenic, antimony and cadmium which are associated with the tetrahedrite. There is no evidence to suggest that there were any analyses carried out for gold mineralization during the drilling on the Jan occurrence.

Tetrahedrite ($Cu_{12}Sb_4S_{13}$, a copper antimony sulphide) forms a solid solution series with the rather rare mineral tennantite ($Cu_{12}As_4S_{13}$, copper arsenic sulphide). The two share the same crystal structure but they differ in the percentage of arsenic versus antimony. Antimony-rich specimens are tetrahedrite while arsenic rich specimens are tennantite. Some iron, zinc and/or silver always substitute for the copper in both minerals up to approximately 15 %.

Analysis of soil samples collected in 1996 has shown that a distinct geochemical anomaly extends northeasterly from the area of the Jan occurrence with a fingerprint that corresponds to probably tetrahedrite/tennantite mineralization. The anomaly is associated with anomalous gold values and is open to the northeast and possibly to the southwest of the Jan occurrence.

This area is distant from a significant area where previous trenching and diamond drilling has shown distinctly anomalous gold values associated with altered granitic rocks.

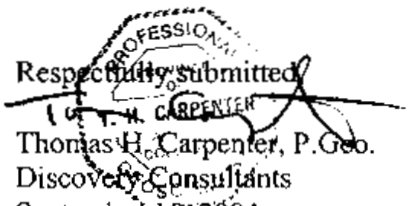
This area of the gold in bedrock was not covered during the 1996 soil sampling as it had been covered by previous sampling. This sampling showed anomalous gold in soil values to the southwest of the Jan occurrence that presumably may be a part of the same trend.

The above anomalies represent a large, and as yet, relatively untested zone of gold and multi-element mineralization.

RECOMMENDATIONS

- Further soil sampling should be carried out on the Bam property. This sampling should be preceded by re-establishment of the 1996 grid and infill sampling on these lines at 25-metre intervals. As well infill sample lines should be established at 100-metre intervals with sample collection also at 25-metre intervals.
- Mapping and rock sampling should be carried out on the grid once established.
- The grid should be expanded to the west of the present grid and soil sampling and mapping carried out.
- The relationship of the above noted anomalous zones to gold mineralization in bedrock in the area of the 1987 and 1996 trenching and drilling programs should be investigated. This area appears to contain a different style of mineralization than is discussed in the previous section
- The present Bam claim area, especially the area of the 1996 grid is amenable to trenching as the anomalies are located on a plateau with relatively shallow soil cover. Once the soil anomalies have been adequately defined, a helicopter portable backhoe or excavator should be mobilized to the site to test the bedrock cause of the anomalies by trenching. The trenches should be systematically sampled and mapped.
- Alteration and mineralization associated with the above anomalies should be suitable for tracing by an induced polarization geophysical survey and possibly by magnetometer and electromagnetic surveys.

- If suitable targets are defined by the above programs a diamond drilling program should be carried out to define the extent and tenor of the mineralization.



Respectfully submitted,
Thomas H. Carpenter, P.Geo.
Discovery Consultants
September 15, 2004

REFERENCES

Carpenter, T.H., 1996 Assessment Report on a Diamond Drilling and Soil Sampling Program on the Bam Property, More 1 and 2 mineral claims, Arctic Lake area, Liard Mining Division, B.C.

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Souther, J.S., 1972 Telegraph Creek Map Area. G.S.C. Paper 71-44.

Walton, G., 1986 Geochemical Survey, BAM claims for Chevron Canada Resources Limited. Assessment Report 14,859

STATEMENT OF COSTS

.Professional Services			
T.H. Carpenter, P.Geo.			
Data Compilation, Interpretation, and Report Writing			
3.5 days @$500/day		$ 1,750.00	
W.R. Gilmour, P.Geo.			
Data Interpretation			
1.0 days @$500/day		500.00	
			2,250.00
.Personnel			
Drafting		354.42	
Data Compilation		129.60	
Secretarial		192.00	
			676.02
.Expenses			
ACME Analytical Laboratories Ltd.			
Analysis			
341 soil (pulp) samples @$9.70/sample	$3,307.70		
2 overlimit samples @$11.15/sample	22.30		
		3,330.00	
Office supplies		175.00	
Communications		10.00	
Management Fee		333.00	
			3,848.00
		Total Expenditures:	$ 6,774.02

STATEMENT OF QUALIFICATIONS

I, THOMAS H. CARPENTER of 3902 14th Street, Vernon, B.C., V1T 3V2, DO HEREBY CERTIFY that:

1. I am a consulting geologist in mineral exploration associated with Discovery Consultants, Vernon, B.C.

2. I have been practicing my profession for 35 years.

3. I am a 1971 graduate of Memorial University of Newfoundland with a Bachelor of Science degree in geology.

4. I am a Professional Geoscientist with the Association of Professional Engineers and Geoscientists of British Columbia.

5. This report is based upon knowledge of the Bam property gained from fieldwork and supervision.

6. I control a corporation that is a beneficiary owner of Bearclaw Capital Corp. shares.

T.H. Carpenter, P. Geo.
September 15, 2003
Vernon, B.C.

APPENDIX A

Analytical Procedures and Soil Sample Results

ACME
ANALYTICAL LABORATORIES LTD.

852 East Hastings St. • Vancouver, British Columbia • CANADA • V6A 1R6
Telephone: 604 253-3158 • Fax: 604 253-1716 • e-mail: info@acmelab.com

Code SS80 - Soil and Sediment Preparation
Samples will be dried at 60°C, sieved (up to) 100 grams to -80 mesh (180 microns)

Group 1DX -30g -36-element ICP-MS analysis, Aqua Regia digestion on a 30g sample

Element	Detection Levels	Element	Detection Levels
Ag	0.1 ppm to 100 ppm	Al*	0.01% to 10%
As	0.5 ppm to 10,000 ppm	Au	0.5 ppb to 100 ppm
B*	1 ppm to 2,000 ppm	Ba*	1 ppm to 1,000 ppm
Bi	0.1 ppm to 2,000 ppm	Ca*	0.01% to 40%
Cd	0.1 ppm to 2,000 ppm	Co	0.1 ppm to 2,000 ppm
Cr*	1 ppm to 10,000 ppm	Cu	0.1 ppm to 10,000 ppm
Fe*	0.01% to 40%	Ga*	1 ppm to 1000 ppm
Hg	0.01 ppm to 100 ppm	K*	0.01% to 10%
La*	1 ppm to 10,000 ppm	Mg*	0.01% to 30%
Mn*	1 ppm to 10,000 ppm	Mo	0.1 ppm to 2,000 ppm
Na*	0.001% to 10%	Ni	0.1 ppm to 10,000 ppm
P*	0.001% to 5 %	Pb	0.1 ppm to 10,000 ppm
S	0.05% to10%	Sb	0.1 ppm to 2,000 ppm
Sc	0.1 ppm to 100 ppm	Se	0.5 ppm to 1,000 ppm
Sr*	1 ppm to 10,000 ppm	Th*	0.1 ppm to 2,000 ppm
Ti*	0.001% to 10%	Tl	0.1 ppm to 1000 ppm
U*	0.1 ppm to 2,000 ppm	V*	2 pm to 10,000 ppm
W*	0.1 ppm to 100 ppm	Zn	1 ppm to 10,000 ppm

BAM Property

Project 674

(Bearclaw Capital Corp.)

Soil Analyses

Lab Report #	SAMPLE ID	ICP-MS Au ppb	ICP-MS Ag ppm	ICP-MS As ppm	ICP-MS Sb ppm	ICP-MS Cu ppm	ICP-MS Pb ppm	ICP-MS Zn ppm	ICP-MS Bi ppm	ICP-MS Cd ppm	ICP-MS Mo ppm	ICP-MS Ni ppm	ICP-MS Co ppm	ICP-MS Ba ppm	ICP-MS W ppm	ICP-MS Cr ppm	ICP-MS Fe %	ICP-MS Mn ppm
a502507	636 S 001	2.7	<0.1	3.5	0.9	20.7	4.8	72	0.1	0.1	1.1	14.1	7.3	147	0.1	31.6	3.42	467
a502507	636 S 002	2.7	<0.1	4.0	1.4	21.7	6.1	76	0.1	0.1	0.8	20.9	17.0	220	0.1	34.1	5.80	1670
a502507	636 S 003	<0.5	0.2	13.1	0.6	20.3	12.4	131	0.4	0.5	4.4	5.5	3.3	32	0.5	11.5	4.78	666
a502507	636 S 004	13.7	0.1	9.8	1.2	44.5	11.0	140	0.1	0.3	2.7	16.2	16.1	539	0.1	27.2	6.80	3987
a502507	636 S 005	10.8	<0.1	3.4	0.2	13.6	5.6	49	0.1	0.1	0.9	10.2	6.8	27	0.1	15.0	1.89	400
a502507	636 S 006	14.4	0.1	7.5	0.3	23.0	10.6	98	0.2	0.2	3.3	12.4	7.8	53	0.3	21.7	3.69	463
a502507	636 S 007	9.5	0.1	7.8	0.3	22.6	8.8	105	0.2	0.2	3.2	15.8	10.1	49	0.2	22.9	4.03	655
a502507	636 S 008	3.8	<0.1	3.6	0.4	19.5	5.2	76	0.1	0.1	1.8	17.2	11.7	63	0.1	31.6	3.85	983
a502507	636 S 009	2.8	<0.1	10.4	0.4	37.0	3.7	69	0.1	0.1	0.9	30.8	17.4	214	0.1	43.8	3.72	952
a502507	636 S 010	2.4	<0.1	2.8	0.2	14.4	2.8	49	0.1	0.1	1.9	13.4	8.5	128	0.1	23.9	2.83	447
a502507	636 S 011	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*
a502507	636 S 012	12.1	0.1	4.2	0.5	11.8	6.8	89	0.1	0.3	2.8	9.8	4.1	346	0.1	23.8	2.70	266
a502507	636 S 013	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*
a502507	636 S 014	1.6	<0.1	4.5	0.4	21.2	5.5	92	0.1	0.1	3.3	20.5	9.0	331	0.1	30.4	3.70	550
a502507	636 S 015	1.6	<0.1	4.3	0.4	18.9	5.7	87	0.1	0.1	2.8	19.7	8.6	260	0.1	30.0	3.40	362
a502507	636 S 016	2.6	<0.1	4.6	0.5	23.1	6.1	100	0.1	0.1	2.3	20.1	8.9	171	0.1	33.6	3.74	564
a502507	636 S 017	2.0	<0.1	5.3	0.5	24.7	5.1	80	0.1	0.1	2.3	18.8	9.3	110	0.2	29.8	3.65	443
a502507	636 S 018	1.1	0.1	4.5	0.5	26.9	4.1	72	0.1	0.1	0.8	23.9	12.1	144	0.1	32.0	3.34	700
a502507	636 S 019	4.2	<0.1	3.6	0.3	12.7	4.0	37	0.1	0.1	0.9	9.2	4.7	37	0.1	25.3	2.44	170
a502507	636 S 020	13.8	0.1	5.0	0.4	14.4	6.2	80	0.2	0.1	1.6	12.4	7.2	68	0.1	29.1	3.41	387
a502507	636 S 021	30.0	0.1	9.2	0.6	14.3	6.7	67	0.1	0.1	2.9	11.4	6.1	134	0.1	23.7	3.58	296
a502507	636 S 022	5.4	<0.1	4.3	0.4	13.9	5.0	72	0.1	0.1	2.0	15.8	10.4	281	0.1	26.5	3.50	1127
a502507	636 S 023	1.7	<0.1	3.9	0.4	15.3	2.7	54	0.1	0.1	1.3	20.5	11.4	129	0.1	30.3	3.35	496
a502507	636 S 024	0.5	<0.1	4.3	0.5	37.1	3.8	73	<0.1	0.1	0.7	28.6	17.5	227	0.1	46.6	4.08	991
a502507	636 S 025	1.7	<0.1	4.2	0.3	20.5	4.5	56	0.1	0.1	2.2	15.5	7.9	145	0.1	35.2	3.93	319
a502507	636 S 026	4.6	<0.1	4.9	0.4	20.0	5.7	83	0.1	0.1	2.1	19.3	9.1	177	0.1	28.3	3.60	764
a502507	636 S 027	7.7	0.1	6.8	0.4	20.0	8.3	74	0.2	0.1	2.5	12.3	6.8	81	0.2	26.0	3.50	290
a502507	636 S 028	1.1	0.1	4.8	0.5	28.1	4.5	82	0.1	0.2	2.3	29.9	14.9	196	0.1	35.4	3.72	1049
a502507	636 S 029	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*

SAMPLE ID	ICP-MS U ppm	ICP-MS V ppm	ICP-MS Sr ppm	ICP-MS La ppm	ICP-MS Th ppm	ICP-MS Ca %	ICP-MS K %	ICP-MS Mg %	ICP-MS Al %	ICP-MS S %	ICP-MS Ti %	ICP-MS Na %	ICP-MS P %	ICP-MS Hg ppm	ICP-MS Sc ppm	ICP-MS Tl ppm	ICP-MS Ga ppm	ICP-MS Se ppm	ICP-MS B ppm
636 S 001	1.0	47	10	15	1.7	0.10	0.08	0.39	1.80	<0.05	0.023	0.016	0.043	0.03	6.3	0.1	6	<0.5	1
636 S 002	1.7	98	6	14	5.1	0.32	0.14	0.93	1.72	<0.05	0.015	0.023	0.103	0.03	13.3	<0.1	6	<0.5	2
636 S 003	4.7	16	2	26	8.6	0.04	0.08	0.14	3.66	<0.05	0.088	0.051	0.065	0.07	2.5	0.1	18	1.4	1
636 S 004	2.2	77	9	26	1.3	0.14	0.07	0.44	2.71	<0.05	0.048	0.024	0.146	0.18	10.7	0.1	10	<0.5	3
636 S 005	0.6	33	7	8	1.3	0.09	0.03	0.42	1.30	<0.05	0.090	0.016	0.031	0.01	2.7	<0.1	4	<0.5	3
636 S 006	2.3	49	9	28	4.2	0.13	0.09	0.41	2.69	<0.05	0.208	0.082	0.099	0.02	3.9	0.1	13	<0.5	1
636 S 007	2.0	51	10	24	4.0	0.12	0.07	0.49	2.89	<0.05	0.167	0.046	0.079	0.03	3.6	0.1	14	<0.5	<1
636 S 008	0.7	71	13	10	0.6	0.19	0.04	0.54	1.92	<0.05	0.183	0.025	0.080	0.03	3.0	0.1	10	<0.5	<1
636 S 009	1.0	69	19	14	2.0	0.29	0.07	0.98	1.99	<0.05	0.175	0.025	0.075	0.03	7.7	<0.1	5	<0.5	<1
636 S 010	0.8	47	13	9	0.3	0.18	0.04	0.44	2.03	<0.05	0.050	0.011	0.084	0.05	2.4	<0.1	5	<0.5	<1
636 S 011	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*
636 S 012	4.4	42	43	22	1.9	0.47	0.07	0.34	1.91	0.06	0.142	0.086	0.043	0.04	2.8	0.1	10	0.5	1
636 S 013	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*
636 S 014	5.7	55	26	22	0.9	0.33	0.08	0.55	2.44	0.08	0.090	0.026	0.086	0.06	4.3	0.1	10	<0.5	<1
636 S 015	4.0	56	30	16	1.1	0.39	0.08	0.57	2.09	<0.05	0.089	0.021	0.072	0.02	4.5	0.1	8	<0.5	5
636 S 016	3.7	58	18	22	1.3	0.38	0.09	0.53	2.45	0.06	0.102	0.035	0.096	0.03	5.0	0.1	10	<0.5	1
636 S 017	3.6	56	13	18	1.4	0.18	0.09	0.54	2.63	<0.05	0.091	0.033	0.082	0.05	4.7	0.1	10	<0.5	1
636 S 018	0.8	61	23	17	1.7	0.37	0.08	0.70	1.76	<0.05	0.109	0.022	0.072	0.03	5.9	<0.1	6	<0.5	<1
636 S 019	0.7	46	10	9	0.6	0.12	0.03	0.36	1.89	<0.05	0.093	0.010	0.047	0.05	2.8	<0.1	7	0.6	<1
636 S 020	1.1	54	12	11	0.5	0.14	0.06	0.45	2.01	0.06	0.095	0.014	0.067	0.05	2.4	0.1	12	<0.5	1
636 S 021	1.4	48	9	19	0.7	0.11	0.05	0.35	2.16	0.06	0.045	0.015	0.073	0.05	3.2	0.1	9	<0.5	4
636 S 022	1.1	49	11	13	2.0	0.14	0.08	0.46	1.89	<0.05	0.085	0.044	0.078	0.04	4.0	0.1	8	<0.5	1
636 S 023	0.6	57	21	7	0.9	0.28	0.04	0.73	1.41	<0.05	0.092	0.012	0.037	0.03	3.2	<0.1	6	<0.5	1
636 S 024	0.6	85	30	13	1.3	0.44	0.09	1.04	2.43	<0.05	0.100	0.021	0.044	0.03	7.5	<0.1	7	<0.5	1
636 S 025	1.3	74	14	13	0.6	0.15	0.06	0.53	2.92	0.06	0.100	0.012	0.064	0.05	4.7	0.1	10	<0.5	1
636 S 026	2.1	52	11	18	2.2	0.16	0.09	0.50	2.12	<0.05	0.108	0.056	0.073	0.03	4.7	0.1	9	<0.5	1
636 S 027	2.0	48	10	24	2.6	0.14	0.07	0.39	2.51	<0.05	0.131	0.037	0.079	0.05	3.7	0.1	14	0.6	4
636 S 028	2.9	65	22	13	1.7	0.29	0.08	0.82	1.74	<0.05	0.093	0.026	0.068	0.05	6.4	0.1	6	<0.5	4
636 S 029	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*

Lab Report #	SAMPLE ID	ICP-MS Au ppb	ICP-MS Ag ppm	ICP-MS As ppm	ICP-MS Sb ppm	ICP-MS Cu ppm	ICP-MS Pb ppm	ICP-MS Zn ppm	ICP-MS Bi ppm	ICP-MS Cd ppm	ICP-MS Mo ppm	ICP-MS Ni ppm	ICP-MS Co ppm	ICP-MS Ba ppm	ICP-MS W ppm	ICP-MS Cr ppm	ICP-MS Fe %	ICP-MS Mn ppm
a502507	636 S 030	4.1	0.1	6.7	0.4	14.3	8.9	139	0.2	0.2	4.8	21.8	9.8	152	0.1	29.3	4.74	242
a502507	636 S 031	1.7	<0.1	4.0	0.4	26.5	3.5	67	<0.1	0.1	2.4	24.9	13.0	72	0.1	38.0	3.66	561
a502507	636 S 032	2.0	0.1	3.6	0.3	33.4	2.6	54	<0.1	0.1	0.9	30.2	17.6	54	<0.1	38.0	3.45	775
a502507	636 S 033	2.1	<0.1	3.4	0.2	20.8	2.7	56	<0.1	0.1	1.1	27.8	13.5	113	0.1	40.8	3.48	395
a502507	636 S 034	4.2	<0.1	4.4	0.4	21.5	6.1	76	0.1	0.1	2.1	17.9	10.4	116	0.2	37.1	3.75	425
a502507	636 S 035	11.7	0.1	7.2	0.4	17.4	9.2	73	0.2	0.2	3.1	9.1	4.7	35	0.2	21.7	3.68	205
a502507	636 S 036	7.8	0.1	4.8	0.2	17.7	6.7	66	0.2	0.2	2.3	10.5	5.3	56	0.2	28.3	3.01	199
a502507	636 S 037	3.2	<0.1	4.0	0.3	16.0	5.4	64	0.1	0.1	2.6	10.6	6.4	48	0.1	37.4	4.22	259
a502507	636 S 038	6.7	<0.1	5.0	0.3	22.2	5.4	79	0.1	0.2	2.3	17.8	10.0	49	0.1	29.7	4.09	620
a502507	636 S 039	9.3	0.1	6.2	0.4	25.9	8.5	71	0.2	0.2	2.5	13.6	8.9	61	0.2	28.2	3.86	426
a502507	636 S 040	4.1	0.1	42.3	13.4	27.6	8.0	109	0.2	0.3	2.4	24.0	6.9	40	0.2	24.2	5.16	942
a502507	636 S 041	15.0	0.1	19.3	3.4	25.4	6.4	95	0.1	0.1	2.1	22.0	7.5	81	0.1	30.7	4.31	631
a502507	636 S 042	7.5	0.1	23.6	2.4	31.3	9.8	176	0.1	0.3	1.1	42.0	11.9	128	0.1	39.0	4.62	772
a502507	636 S 043	6.0	0.1	9.7	1.2	31.1	6.2	65	<0.1	0.2	0.8	33.1	14.1	95	0.1	33.0	3.48	815
a502507	636 S 044	7.4	0.1	7.2	0.7	31.2	4.3	52	<0.1	0.1	0.5	26.8	12.8	59	0.1	34.1	3.24	643
a502507	636 S 045	5.8	0.1	5.2	0.6	17.5	4.8	69	0.1	0.1	0.8	20.5	7.2	95	0.1	31.4	3.10	224
a502507	636 S 046	3.6	0.1	6.3	0.5	25.2	5.0	78	0.1	0.1	1.1	24.2	8.9	138	0.1	29.6	3.82	397
a502507	636 S 047	3.4	<0.1	5.6	0.4	13.5	5.0	67	0.1	0.1	1.2	15.1	7.3	123	0.1	27.2	3.82	294
a502507	636 S 048	4.3	<0.1	9.8	0.7	15.5	9.0	164	0.3	0.1	1.3	18.1	6.4	141	0.1	21.1	4.32	544
a502507	636 S 049	2.5	<0.1	5.5	1.0	19.0	7.8	113	0.2	0.2	1.5	11.9	6.4	150	<0.1	25.9	3.61	385
a502507	636 S 050	2.4	<0.1	10.6	2.1	34.5	5.2	81	0.1	0.2	2.7	21.0	11.5	200	0.1	27.2	3.50	420
a502507	636 S 051	9.6	0.1	9.6	0.6	17.5	10.9	123	0.3	0.2	4.0	8.4	6.7	87	0.4	15.1	4.76	1243
a502507	636 S 052	7.2	0.1	6.0	0.4	25.8	6.1	95	0.2	0.2	2.0	11.3	8.6	62	0.2	26.7	4.25	526
a502507	636 S 053	5.3	0.1	6.5	0.5	40.0	6.8	84	0.2	0.2	1.1	26.5	9.7	319	0.1	77.8	4.17	550
a502507	636 S 054	4.6	<0.1	8.7	0.5	23.1	8.9	99	0.2	0.2	4.3	20.4	12.0	64	0.3	26.9	4.13	1065
a502507	636 S 055	5.9	0.1	3.2	0.3	24.1	3.8	68	0.1	0.1	1.1	28.0	14.0	55	0.2	33.1	3.39	629
a502507	636 S 056	13.0	0.1	13.6	0.4	12.3	13.8	103	0.5	0.3	7.9	4.5	2.5	26	0.6	11.2	5.00	612
a502507	636 S 057	2.0	0.1	4.8	0.4	37.7	4.5	89	0.1	0.2	1.5	26.7	16.5	70	0.1	36.4	3.91	755
a502507	636 S 058	1.2	<0.1	2.4	0.4	21.4	2.6	58	<0.1	0.1	1.7	30.1	12.0	379	0.1	42.0	3.34	398
a502507	636 S 059	3.6	<0.1	3.3	0.4	17.0	3.4	70	0.1	0.1	1.3	31.3	14.6	124	0.1	39.1	3.54	656
a502507	636 S 060	2.2	<0.1	4.6	0.5	19.7	4.4	85	0.1	0.1	2.6	21.2	9.8	284	0.1	33.0	3.04	298
a502507	636 S 061	2.2	<0.1	6.3	1.2	31.6	6.0	87	0.1	0.1	3.1	15.8	15.6	521	0.4	24.1	4.64	2102
a502507	636 S 062	1.8	0.1	15.7	3.4	21.4	4.0	80	0.3	0.2	3.8	9.5	5.7	275	0.1	24.2	3.37	261
a502507	636 S 063	4.1	<0.1	6.7	0.5	16.1	7.2	123	0.2	0.2	3.6	18.3	7.5	225	0.2	26.7	3.44	524
a502507	636 S 064	4.6	<0.1	7.2	0.4	12.6	4.6	107	0.1	0.2	2.6	16.9	8.0	394	0.1	33.4	2.96	515

SAMPLE ID	ICP-MS U ppm	ICP-MS V ppm	ICP-MS Sr ppm	ICP-MS La ppm	ICP-MS Th ppm	ICP-MS Ca %	ICP-MS K %	ICP-MS Mg %	ICP-MS Al %	ICP-MS S %	ICP-MS Ti %	ICP-MS Na %	ICP-MS P %	ICP-MS Hg ppm	ICP-MS Sc ppm	ICP-MS Tl ppm	ICP-MS Ga ppm	ICP-MS Se ppm	ICP-MS B ppm
636 S 030	12.8	55	14	35	2.6	0.16	0.05	0.44	3.49	0.06	0.127	0.020	0.051	0.05	4.8	0.1	15	0.9	2
636 S 031	1.0	63	20	13	0.9	0.24	0.04	0.71	3.46	<0.05	0.120	0.017	0.063	0.07	4.7	0.1	7	0.6	3
636 S 032	0.6	64	17	10	1.7	0.23	0.03	0.95	2.90	<0.05	0.145	0.016	0.059	0.04	5.5	<0.1	5	<0.5	3
636 S 033	1.8	66	17	9	1.4	0.26	0.05	0.78	3.04	<0.05	0.109	0.017	0.056	0.03	4.9	0.1	7	0.5	2
636 S 034	1.4	63	26	22	2.2	0.28	0.06	0.59	2.74	<0.05	0.176	0.027	0.095	0.02	5.3	0.1	11	0.5	2
636 S 035	2.1	41	7	25	3.8	0.09	0.06	0.32	2.98	<0.05	0.176	0.040	0.077	0.03	3.3	0.1	16	0.6	2
636 S 036	1.4	51	8	15	1.6	0.13	0.05	0.36	2.74	0.06	0.190	0.047	0.074	0.06	3.2	0.1	14	0.7	8
636 S 037	1.1	68	12	19	1.4	0.14	0.04	0.45	3.13	<0.05	0.165	0.013	0.046	0.06	4.7	0.1	10	0.5	2
636 S 038	1.0	62	11	15	1.7	0.15	0.05	0.56	2.57	<0.05	0.163	0.036	0.076	0.03	3.7	0.1	10	<0.5	3
636 S 039	1.5	62	10	24	2.6	0.14	0.06	0.47	3.02	<0.05	0.208	0.037	0.096	0.03	4.9	0.1	13	0.6	3
636 S 040	0.9	59	8	11	0.9	0.09	0.06	0.27	1.74	0.06	0.102	0.015	0.066	0.11	2.1	0.2	11	0.5	3
636 S 041	0.7	65	10	11	0.3	0.20	0.05	0.41	2.39	0.07	0.048	0.011	0.082	0.08	2.4	0.2	11	0.6	1
636 S 042	1.5	63	12	24	1.0	0.40	0.08	0.55	2.36	0.07	0.067	0.019	0.130	0.06	4.8	0.1	9	<0.5	1
636 S 043	0.5	65	19	12	1.1	0.34	0.04	0.76	1.44	<0.05	0.102	0.018	0.077	0.05	5.9	0.1	5	<0.5	3
636 S 044	0.4	63	20	14	1.3	0.29	0.03	0.71	1.67	<0.05	0.129	0.018	0.062	0.07	7.6	<0.1	5	<0.5	<1
636 S 045	0.8	53	17	13	1.1	0.31	0.04	0.50	1.81	<0.05	0.079	0.013	0.048	0.05	4.5	0.1	7	0.8	1
636 S 046	0.9	49	17	21	1.4	0.31	0.05	0.53	2.52	<0.05	0.082	0.017	0.053	0.06	4.7	0.1	10	0.5	<1
636 S 047	0.9	57	18	19	1.2	0.32	0.04	0.54	2.27	<0.05	0.089	0.013	0.047	0.03	3.4	0.1	9	0.6	<1
636 S 048	1.3	37	16	25	1.2	0.37	0.06	0.42	2.30	0.08	0.074	0.018	0.092	0.04	2.6	0.1	11	0.5	<1
636 S 049	2.1	47	19	18	0.9	0.37	0.04	0.42	1.76	0.09	0.127	0.019	0.065	0.04	2.9	0.1	12	0.5	<1
636 S 050	0.8	62	22	16	1.2	0.41	0.08	0.53	1.70	<0.05	0.078	0.025	0.083	0.05	5.0	0.1	6	0.7	<1
636 S 051	2.0	31	3	28	3.9	0.06	0.07	0.18	3.47	<0.05	0.077	0.046	0.084	0.05	3.1	0.1	17	0.8	<1
636 S 052	1.8	49	9	33	1.6	0.12	0.05	0.45	3.59	<0.05	0.111	0.022	0.062	0.09	4.4	0.1	14	0.7	1
636 S 053	5.3	65	22	63	2.4	0.39	0.06	0.62	3.34	0.06	0.098	0.026	0.068	0.08	9.9	0.1	11	1.2	3
636 S 054	2.4	48	12	39	4.1	0.15	0.05	0.50	3.52	<0.05	0.137	0.033	0.070	0.08	4.8	0.1	14	0.9	<1
636 S 055	0.6	63	16	13	2.1	0.21	0.05	0.82	1.87	<0.05	0.200	0.034	0.081	0.01	5.4	<0.1	6	<0.5	<1
636 S 056	2.7	75	3	35	3.8	0.05	0.07	0.11	4.11	0.06	0.096	0.045	0.078	0.10	2.0	0.1	25	1.3	<1
636 S 057	1.1	78	16	36	2.1	0.25	0.06	1.03	3.06	<0.05	0.165	0.032	0.072	0.03	5.8	0.1	8	<0.5	1
636 S 058	3.7	66	36	12	1.5	0.46	0.05	0.76	1.74	<0.05	0.187	0.031	0.053	0.03	6.6	<0.1	5	0.5	<1
636 S 059	1.7	65	26	11	1.3	0.33	0.04	0.95	2.18	<0.05	0.151	0.021	0.058	0.04	4.4	<0.1	6	<0.5	<1
636 S 060	4.1	55	35	17	1.6	0.41	0.08	0.65	1.80	<0.05	0.093	0.026	0.065	0.04	5.5	<0.1	6	<0.5	<1
636 S 061	2.2	45	10	20	2.2	0.13	0.18	0.31	1.63	<0.05	0.022	0.021	0.095	0.09	6.2	0.1	7	<0.5	<1
636 S 062	2.7	46	23	12	0.4	0.25	0.05	0.43	2.04	<0.05	0.049	0.010	0.055	0.19	2.0	0.1	9	<0.5	<1
636 S 063	4.2	46	23	23	2.0	0.30	0.07	0.45	2.06	<0.05	0.089	0.032	0.071	0.06	4.0	0.1	10	0.5	4
636 S 064	5.1	43	44	21	1.9	0.52	0.07	0.60	1.78	<0.05	0.090	0.039	0.045	0.02	4.7	<0.1	6	<0.5	3

Lab Report #	SAMPLE ID	ICP-MS Au ppb	ICP-MS Ag ppm	ICP-MS As ppm	ICP-MS Sb ppm	ICP-MS Cu ppm	ICP-MS Pb ppm	ICP-MS Zn ppm	ICP-MS Bi ppm	ICP-MS Cd ppm	ICP-MS Mo ppm	ICP-MS Ni ppm	ICP-MS Co ppm	ICP-MS Ba ppm	ICP-MS W ppm	ICP-MS Cr ppm	ICP-MS Fe %	ICP-MS Mn ppm
a502507	636 S 065	1.8	<0.1	5.6	0.7	16.6	5.5	64	0.1	0.1	1.3	16.4	9.4	35	0.1	28.3	3.59	572
a502507	636 S 066	1.4	<0.1	4.3	0.7	29.4	4.8	86	0.1	0.1	1.3	23.4	11.0	252	0.1	34.8	3.90	804
a502507	636 S 067	4.0	0.1	6.7	1.7	34.4	3.4	61	<0.1	0.2	0.9	24.0	12.3	205	0.1	35.3	3.65	732
a502507	636 S 068	15.5	0.1	13.6	1.1	21.0	8.6	88	0.3	0.2	1.7	16.1	7.9	191	0.1	22.4	4.74	628
a502507	636 S 069	3.3	0.1	4.8	0.7	10.6	5.1	64	0.1	0.2	2.7	8.0	6.2	78	0.2	20.3	3.61	818
a502507	636 S 070	10.5	0.1	7.0	0.5	17.2	7.9	70	0.2	0.2	2.4	12.9	6.2	55	0.3	22.9	3.65	309
a502507	636 S 071	4.7	<0.1	4.6	0.5	25.9	3.7	77	0.1	0.1	1.2	19.3	10.9	112	0.1	29.4	3.64	555
a502507	636 S 072	3.8	0.1	5.1	0.7	28.1	2.9	47	<0.1	0.1	0.6	24.7	12.6	95	0.1	30.8	3.17	741
a502507	636 S 073	3.3	<0.1	5.7	0.7	19.3	3.2	64	<0.1	0.1	1.1	18.9	10.5	58	0.1	29.8	3.32	646
a502507	636 S 074	0.6	0.1	5.4	0.5	15.5	4.7	101	0.1	0.1	1.0	19.6	10.2	271	0.1	34.6	3.90	712
a502507	636 S 075	3.5	0.1	7.5	0.9	28.1	3.4	58	0.1	0.1	0.7	26.2	12.6	212	0.1	37.6	3.63	764
a502507	636 S 076	8.8	0.1	9.9	1.0	25.3	4.2	71	0.1	0.2	1.3	21.4	10.0	127	0.1	34.6	3.28	447
a502507	636 S 077	4.3	0.1	10.5	0.7	34.5	4.0	68	0.1	0.1	0.8	27.3	10.2	175	0.1	39.7	3.70	525
a502507	636 S 078	3.5	<0.1	4.0	0.4	14.6	3.7	52	0.1	0.1	2.6	15.4	6.3	159	0.1	25.2	2.70	254
a502507	636 S 080	3.4	<0.1	3.9	0.4	16.2	3.2	53	0.1	0.1	1.5	24.2	10.0	141	0.1	31.3	2.97	398
a502507	636 S 081	15.9	<0.1	7.6	0.3	12.4	9.0	120	0.3	0.2	3.0	9.8	4.2	161	0.2	16.7	3.93	425
a502507	636 S 082	1.6	0.1	3.7	0.5	27.8	3.3	63	0.1	0.1	1.0	26.1	13.7	150	0.1	33.0	3.49	749
a502507	636 S 083	4.4	<0.1	13.4	1.4	24.6	5.7	96	0.1	0.1	2.4	21.3	10.8	106	0.1	35.3	4.11	852
a502507	636 S 084	5.6	<0.1	3.2	0.3	20.3	3.7	49	0.1	0.1	1.1	28.9	14.1	61	0.1	30.2	3.04	642
a502507	636 S 085	4.1	0.1	6.3	0.4	29.7	8.0	84	0.1	0.2	2.1	20.9	13.3	63	0.2	30.7	4.10	636
a502507	636 S 086	7.4	0.1	8.1	0.3	10.4	8.5	86	0.3	0.4	3.8	9.3	5.5	34	0.5	14.2	4.00	409
a502507	636 S 087	4.3	<0.1	3.3	0.4	24.4	3.8	66	0.1	0.2	1.5	24.9	14.7	157	0.1	38.7	3.97	931
a502507	636 S 088	4.1	<0.1	4.1	0.4	29.3	4.4	79	0.1	0.1	2.1	30.6	17.1	95	0.1	36.4	3.62	1189
a502507	636 S 089	3.4	<0.1	3.0	0.3	22.8	3.6	55	<0.1	0.1	1.1	25.2	13.2	61	0.1	36.9	3.20	530
a502507	636 S 090	13.3	<0.1	5.6	0.3	14.0	8.7	61	0.3	0.1	2.4	10.1	5.9	46	0.2	23.1	3.39	240
a502507	636 S 091	36.0	0.1	8.3	0.8	8.2	9.6	109	0.4	0.3	3.2	7.8	3.1	125	0.5	8.9	4.11	239
a502507	636 S 092	3.4	0.1	2.7	0.4	30.9	2.4	50	<0.1	0.1	0.7	26.5	14.6	68	0.1	37.5	3.29	536
a502507	636 S 093	5.2	<0.1	12.7	1.0	15.7	7.0	69	0.2	0.1	2.2	14.9	7.5	65	0.2	23.4	3.51	455
a502507	636 S 094	10.3	0.2	14.1	1.4	31.3	5.3	80	0.1	0.2	1.4	26.7	10.3	117	0.1	33.1	3.46	575
a502507	636 S 095	8.6	0.3	13.2	1.4	24.7	7.6	95	0.2	0.2	3.8	28.8	8.3	220	0.1	27.4	3.98	373
a502507	636 S 096	14.3	0.1	9.7	0.7	16.8	8.1	63	0.2	0.2	3.3	13.9	5.3	59	0.2	23.1	3.40	245
a502507	636 S 097	4.2	0.1	6.9	0.7	24.8	4.2	58	0.1	0.1	1.4	20.2	6.9	122	0.1	27.3	2.83	311
a502507	636 S 098	5.2	0.1	10.9	0.8	24.4	8.1	150	0.3	0.2	2.6	25.5	7.2	322	0.1	30.6	4.06	435
a502507	636 S 099	4.0	<0.1	3.4	0.5	16.9	2.6	45	<0.1	0.1	0.5	18.9	6.3	78	0.1	23.2	2.34	234
a502507	636 S 100	2.7	<0.1	3.8	0.4	24.8	4.7	58	0.1	0.1	1.0	22.5	10.6	114	0.1	31.8	3.20	570

SAMPLE ID	ICP-MS U ppm	ICP-MS V ppm	ICP-MS Sr ppm	ICP-MS La ppm	ICP-MS Th ppm	ICP-MS Ca %	ICP-MS K %	ICP-MS Mg %	ICP-MS Al %	ICP-MS S %	ICP-MS Ti %	ICP-MS Na %	ICP-MS P %	ICP-MS Hg ppm	ICP-MS Sc ppm	ICP-MS Tl ppm	ICP-MS Ga ppm	ICP-MS Se ppm	ICP-MS B ppm
636 S 065	0.6	56	13	8	0.3	0.17	0.03	0.59	2.17	<0.05	0.059	0.009	0.102	0.08	2.2	<0.1	6	0.5	6
636 S 066	1.9	62	16	21	0.5	0.26	0.09	0.57	2.88	0.06	0.057	0.013	0.101	0.06	4.7	0.1	9	0.5	1
636 S 067	0.6	70	24	15	1.6	0.41	0.09	0.78	1.58	<0.05	0.112	0.021	0.086	0.10	7.8	<0.1	5	<0.5	2
636 S 068	2.1	40	10	45	1.0	0.23	0.05	0.33	3.54	0.11	0.063	0.025	0.111	0.07	3.8	0.1	11	1.1	2
636 S 069	1.7	57	5	15	0.7	0.06	0.05	0.26	1.77	0.12	0.151	0.030	0.112	0.05	2.0	0.1	12	0.7	5
636 S 070	1.7	47	7	22	2.2	0.10	0.06	0.39	2.52	<0.05	0.131	0.036	0.089	0.05	3.4	0.1	13	0.6	2
636 S 071	1.1	57	11	17	2.0	0.16	0.04	0.60	3.55	<0.05	0.091	0.013	0.069	0.04	5.6	<0.1	7	0.5	2
636 S 072	0.5	60	16	12	1.8	0.23	0.05	0.77	1.95	<0.05	0.096	0.015	0.059	0.05	6.1	<0.1	4	<0.5	3
636 S 073	0.8	56	13	14	1.2	0.17	0.06	0.70	2.55	<0.05	0.085	0.013	0.080	0.05	4.2	0.1	6	<0.5	2
636 S 074	0.6	71	16	14	0.3	0.29	0.07	0.66	2.88	<0.05	0.060	0.015	0.080	0.04	3.7	0.1	9	<0.5	4
636 S 075	0.5	71	26	14	1.5	0.40	0.08	0.82	1.82	<0.05	0.086	0.019	0.057	0.07	7.2	<0.1	5	<0.5	3
636 S 076	0.8	61	14	12	0.6	0.17	0.09	0.63	2.20	<0.05	0.060	0.027	0.073	0.05	4.3	0.1	7	<0.5	5
636 S 077	1.0	67	19	12	1.5	0.26	0.08	0.70	2.34	<0.05	0.091	0.014	0.066	0.06	7.1	<0.1	6	<0.5	2
636 S 078	4.1	47	21	15	2.1	0.27	0.04	0.48	1.40	<0.05	0.091	0.018	0.038	0.04	4.4	<0.1	5	<0.5	2
636 S 080	4.0	52	29	11	1.1	0.31	0.04	0.69	1.64	<0.05	0.082	0.016	0.038	0.03	4.3	<0.1	5	<0.5	3
636 S 081	9.3	28	36	26	2.4	0.45	0.05	0.32	3.42	0.08	0.081	0.025	0.078	0.06	2.7	0.1	16	0.7	2
636 S 082	0.9	64	23	15	1.8	0.32	0.08	0.85	1.70	<0.05	0.119	0.020	0.075	0.04	6.2	<0.1	5	<0.5	1
636 S 083	2.0	66	13	9	1.1	0.15	0.08	0.62	2.24	0.06	0.081	0.017	0.077	0.06	4.3	0.1	8	<0.5	3
636 S 084	0.6	53	15	11	1.3	0.26	0.03	0.83	1.88	<0.05	0.137	0.020	0.064	0.03	4.5	<0.1	6	<0.5	1
636 S 085	1.1	75	13	22	2.6	0.16	0.06	0.66	3.13	<0.05	0.196	0.040	0.086	0.03	4.8	0.1	11	0.5	4
636 S 086	1.7	28	5	25	2.9	0.08	0.05	0.31	3.86	0.06	0.094	0.031	0.078	0.07	1.9	0.1	15	1.0	1
636 S 087	0.6	73	14	10	1.5	0.23	0.06	0.84	2.32	<0.05	0.167	0.027	0.080	0.03	4.8	<0.1	8	<0.5	2
636 S 088	1.6	59	14	14	2.1	0.20	0.05	0.87	2.09	<0.05	0.152	0.025	0.059	0.05	5.9	0.1	7	<0.5	3
636 S 089	0.7	58	15	14	1.6	0.23	0.03	0.73	2.06	<0.05	0.145	0.018	0.060	0.04	5.0	<0.1	6	<0.5	1
636 S 090	1.2	43	9	21	2.6	0.14	0.04	0.37	2.86	<0.05	0.158	0.023	0.052	0.05	3.4	0.1	14	0.7	2
636 S 091	3.4	11	9	45	4.0	0.19	0.06	0.13	3.62	0.09	0.078	0.038	0.060	0.05	2.7	0.1	23	1.3	3
636 S 092	0.6	60	15	14	2.0	0.22	0.03	0.84	2.31	<0.05	0.158	0.016	0.046	0.03	6.7	<0.1	6	<0.5	2
636 S 093	1.1	50	9	17	0.4	0.11	0.04	0.48	2.15	0.06	0.064	0.014	0.087	0.07	2.3	0.1	10	<0.5	3
636 S 094	1.6	57	13	18	1.5	0.16	0.06	0.59	2.34	<0.05	0.076	0.022	0.067	0.12	5.8	0.1	7	<0.5	4
636 S 095	5.8	51	18	33	2.4	0.28	0.05	0.50	2.33	0.06	0.126	0.019	0.066	0.12	5.0	0.1	10	0.9	3
636 S 096	1.9	45	8	22	2.4	0.10	0.04	0.32	2.79	0.06	0.123	0.021	0.054	0.08	3.6	0.1	13	0.7	4
636 S 097	1.3	50	17	14	1.0	0.25	0.03	0.56	1.70	<0.05	0.072	0.017	0.056	0.05	4.1	0.1	6	<0.5	2
636 S 098	2.1	49	24	31	1.6	0.41	0.06	0.52	2.56	0.06	0.064	0.020	0.071	0.10	5.9	0.1	12	0.6	3
636 S 099	0.7	38	15	12	1.1	0.22	0.03	0.55	1.26	<0.05	0.068	0.014	0.029	0.05	3.8	<0.1	4	<0.5	4
636 S 100	0.7	56	17	17	1.8	0.25	0.04	0.59	1.74	<0.05	0.116	0.020	0.063	0.03	5.5	<0.1	6	<0.5	1

Lab Report #	SAMPLE ID	ICP-MS Au ppb	ICP-MS Ag ppm	ICP-MS As ppm	ICP-MS Sb ppm	ICP-MS Cu ppm	ICP-MS Pb ppm	ICP-MS Zn ppm	ICP-MS Bi ppm	ICP-MS Cd ppm	ICP-MS Mo ppm	ICP-MS Ni ppm	ICP-MS Co ppm	ICP-MS Ba ppm	ICP-MS W ppm	ICP-MS Cr ppm	ICP-MS Fe %	ICP-MS Mn ppm
a502507	636 S 101	1.5	<0.1	3.6	0.4	14.3	3.0	52	0.1	0.1	0.9	19.9	10.4	66	0.1	27.3	3.23	401
a502507	636 S 102	2.2	<0.1	2.7	0.4	11.3	3.9	44	0.1	0.1	0.6	22.6	7.9	71	<0.1	24.5	2.33	287
a502507	636 S 103	7.7	0.1	6.0	0.5	17.3	8.0	102	0.2	0.2	2.1	19.1	5.4	183	0.2	19.2	3.32	309
a502507	636 S 104	6.1	<0.1	5.5	0.3	11.9	7.7	77	0.2	0.1	1.7	13.8	5.3	109	0.2	20.9	3.22	311
a502507	636 S 105	12.4	<0.1	8.6	0.5	9.8	9.4	80	0.4	0.2	3.9	10.5	6.7	90	0.5	14.5	4.87	753
a502507	636 S 106	3.4	<0.1	2.1	0.2	17.8	2.3	59	<0.1	0.1	0.7	28.3	12.7	33	0.1	27.5	2.76	441
a502507	636 S 107	11.0	0.1	8.9	0.5	9.3	13.0	102	0.3	0.3	4.8	6.2	5.2	64	0.6	8.5	3.64	889
a502507	636 S 108	2.5	<0.1	4.4	0.4	32.2	6.0	75	0.1	0.2	2.6	22.9	13.9	88	0.2	29.2	4.05	635
a502507	636 S 109	4.9	<0.1	4.6	0.3	14.5	6.4	64	0.2	0.2	2.5	16.0	9.7	37	0.2	25.8	3.41	489
a502507	636 S 110	4.3	<0.1	5.1	0.3	17.4	9.2	70	0.2	0.1	4.8	14.6	8.0	90	0.2	26.1	3.76	456
a502507	636 S 111	1.8	0.1	6.6	0.5	43.8	3.7	59	<0.1	0.1	0.9	39.3	21.3	184	0.1	44.0	4.18	1149
a502507	636 S 112	3.7	<0.1	2.6	0.3	25.5	2.3	52	<0.1	0.1	0.8	34.8	16.4	40	0.1	34.9	3.24	660
a502507	636 S 113	3.0	<0.1	3.1	0.3	16.4	2.7	63	<0.1	0.1	2.3	23.5	12.5	32	0.1	35.3	3.28	640
a502507	636 S 114	19.5	0.7	990.4	32.6	168.8	23.4	216	0.1	1.1	3.8	1424.3	164.8	282	0.1	232.9	11.38	3275
a502507	636 S 115	8.0	0.6	158.9	17.5	91.0	23.9	132	0.1	0.7	2.7	253.6	40.0	266	0.2	87.9	6.27	3062
a502507	636 S 116	10.3	0.1	40.6	3.6	31.5	7.6	95	0.1	0.2	2.3	38.7	11.9	105	0.1	35.3	4.46	590
a502507	636 S 117	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*
a502507	636 S 118	21.0	0.3	87.5	24.8	90.5	11.0	136	0.1	0.8	2.4	76.9	20.6	155	0.2	40.5	5.80	962
a502507	636 S 119	3.7	0.1	20.5	4.9	47.4	7.5	85	0.1	0.1	1.1	26.9	6.2	469	0.2	31.7	4.53	297
a502507	636 S 120	29.8	0.2	36.4	3.3	62.6	9.2	92	0.1	0.1	1.7	20.8	7.4	241	0.2	20.7	4.00	433
a502507	636 S 121	12.0	0.8	54.3	5.6	38.6	26.0	137	0.1	0.9	3.2	28.1	7.2	111	0.1	29.3	4.10	505
a502507	636 S 122	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*
a502507	636 S 123	5.8	0.2	57.5	10.1	88.1	26.0	201	0.1	0.7	6.3	17.5	14.2	183	0.1	11.0	4.05	512
a502507	636 S 124	4.8	0.1	9.9	2.6	22.5	8.6	59	0.1	0.6	1.9	12.8	7.9	61	0.1	21.9	3.53	413
a502507	636 S 125	1.5	0.1	12.0	5.0	19.6	7.2	85	0.1	0.3	4.1	11.5	7.7	185	0.1	9.1	4.18	1076
a502507	636 S 126	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*
a502507	636 S 127	11.4	0.1	19.1	5.3	53.3	8.4	85	<0.1	0.2	0.9	45.0	21.8	325	0.1	40.6	4.99	1273
a502507	636 S 128	15.5	0.1	23.8	17.2	38.0	9.2	120	<0.1	0.3	0.8	60.7	13.6	100	0.2	23.0	5.04	839
a502507	636 S 129	53.4	0.8	47.3	125.4	344.8	23.0	130	<0.1	1.3	0.8	47.8	8.1	19	0.2	4.8	3.85	881
a502507	636 S 131	8.3	0.1	8.8	1.1	22.5	12.9	107	0.4	0.2	2.4	14.8	5.2	95	0.4	19.3	4.28	468
a502507	636 S 132	3.8	<0.1	4.7	0.5	21.3	7.2	54	0.2	0.1	1.6	24.7	11.7	86	0.2	27.7	3.08	529
a502507	636 S 133	3.8	<0.1	5.5	0.5	34.7	8.1	88	0.1	0.1	1.5	34.2	18.1	93	0.1	35.2	4.15	1062
a502507	636 S 134	<0.5	0.2	12.9	0.7	36.0	16.0	133	0.4	0.3	2.6	7.4	3.3	600	0.4	45.0	4.58	974
a502507	636 S 135	7.9	0.2	14.4	1.5	31.2	8.0	80	0.1	0.1	3.1	26.6	9.9	146	0.1	32.1	3.71	461
a502507	636 S 136	8.7	0.1	10.8	1.0	24.3	6.8	82	0.1	0.3	1.9	21.0	9.0	320	0.1	22.0	3.27	781

SAMPLE ID	ICP-MS U ppm	ICP-MS V ppm	ICP-MS Sr ppm	ICP-MS La ppm	ICP-MS Th ppm	ICP-MS Ca %	ICP-MS K %	ICP-MS Mg %	ICP-MS Al %	ICP-MS S %	ICP-MS Ti %	ICP-MS Na %	ICP-MS P %	ICP-MS Hg ppm	ICP-MS Sc ppm	ICP-MS Tl ppm	ICP-MS Ga ppm	ICP-MS Se ppm	ICP-MS B ppm
636 S 101	0.5	55	13	10	0.7	0.16	0.03	0.70	2.09	<0.05	0.078	0.009	0.047	0.04	3.4	<0.1	6	<0.5	3
636 S 102	0.7	47	13	10	1.1	0.15	0.02	0.56	1.24	<0.05	0.078	0.009	0.034	0.05	4.0	<0.1	4	<0.5	3
636 S 103	2.0	35	16	34	3.7	0.25	0.05	0.34	2.42	<0.05	0.091	0.029	0.051	0.06	3.8	0.1	11	0.9	3
636 S 104	1.4	42	14	23	1.5	0.23	0.04	0.34	2.47	0.08	0.097	0.017	0.063	0.06	3.0	0.1	12	<0.5	2
636 S 105	2.5	27	8	34	3.6	0.13	0.04	0.21	3.55	<0.05	0.093	0.024	0.050	0.07	2.7	0.1	20	1.0	3
636 S 106	0.5	56	13	8	1.6	0.19	0.02	0.85	1.67	<0.05	0.157	0.015	0.050	0.04	3.9	<0.1	5	<0.5	3
636 S 107	4.0	20	3	30	8.7	0.04	0.07	0.12	3.34	<0.05	0.141	0.059	0.043	0.03	1.8	0.2	18	0.7	4
636 S 108	1.2	74	15	19	1.4	0.16	0.06	0.69	3.81	<0.05	0.134	0.028	0.112	0.03	4.5	0.1	12	0.5	2
636 S 109	1.1	55	9	19	2.2	0.11	0.04	0.47	2.63	<0.05	0.180	0.018	0.067	0.04	3.5	0.1	12	0.5	3
636 S 110	1.8	55	9	27	2.8	0.10	0.05	0.36	2.66	<0.05	0.178	0.030	0.070	0.04	4.0	0.1	14	<0.5	4
636 S 111	0.6	76	16	13	1.7	0.22	0.05	1.11	2.84	<0.05	0.109	0.014	0.068	0.04	8.1	<0.1	6	<0.5	4
636 S 112	0.4	62	14	9	1.4	0.24	0.02	1.08	1.92	<0.05	0.154	0.017	0.076	0.02	5.4	<0.1	5	<0.5	4
636 S 113	0.8	60	12	13	1.8	0.19	0.03	0.78	2.63	<0.05	0.137	0.017	0.073	0.05	4.0	<0.1	6	0.5	5
636 S 114	0.5	108	11	24	0.6	0.25	0.07	0.22	0.83	<0.05	0.003	0.005	0.041	1.42	29.6	0.6	2	1.0	4
636 S 115	0.6	111	26	11	0.4	0.52	0.06	0.60	2.05	0.06	0.013	0.008	0.122	0.23	7.4	0.3	6	0.7	5
636 S 116	0.6	70	10	10	0.7	0.16	0.04	0.78	2.55	0.08	0.056	0.011	0.067	0.06	3.2	0.2	9	<0.5	4
636 S 117	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*
636 S 118	0.9	82	7	9	0.2	0.09	0.08	0.17	1.30	0.07	0.008	0.016	0.159	0.18	2.3	0.2	7	0.6	6
636 S 119	0.4	74	21	13	0.7	0.62	0.08	0.32	1.73	<0.05	0.005	0.006	0.103	0.07	5.9	0.1	5	0.7	3
636 S 120	0.9	57	9	15	0.5	0.18	0.08	0.20	1.56	<0.05	0.005	0.020	0.089	0.08	4.5	0.2	6	0.6	4
636 S 121	0.7	60	6	10	0.1	0.05	0.06	0.43	1.70	0.08	0.014	0.007	0.111	0.12	2.0	0.3	7	0.6	3
636 S 122	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*
636 S 123	0.6	29	9	15	0.6	0.14	0.08	0.18	0.95	<0.05	0.003	0.003	0.083	0.07	3.8	0.2	2	2.8	2
636 S 124	0.7	59	9	11	0.3	0.11	0.03	0.34	2.36	0.07	0.049	0.007	0.075	0.07	2.1	0.1	9	0.8	1
636 S 125	0.7	78	10	8	0.1	0.22	0.06	0.11	1.19	0.06	0.014	0.007	0.108	0.03	1.2	0.1	8	0.8	1
636 S 126	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*
636 S 127	0.5	94	23	14	1.7	0.56	0.07	1.09	1.72	<0.05	0.128	0.022	0.067	0.20	10.0	0.1	6	<0.5	2
636 S 128	0.5	61	31	13	1.1	5.93	0.05	3.37	1.37	<0.05	0.078	0.017	0.077	0.11	4.9	0.1	4	<0.5	2
636 S 129	0.3	15	44	10	0.9	16.28	0.02	7.65	0.48	<0.05	0.043	0.017	0.032	0.47	1.3	0.1	2	<0.5	1
636 S 131	3.2	36	7	47	6.2	0.12	0.06	0.28	3.37	0.07	0.114	0.031	0.053	0.07	4.2	0.1	18	1.0	2
636 S 132	1.1	51	12	24	2.8	0.16	0.03	0.66	2.24	<0.05	0.110	0.019	0.036	0.05	6.3	0.1	9	<0.5	1
636 S 133	1.5	74	14	29	3.3	0.17	0.04	1.03	3.04	<0.05	0.146	0.016	0.042	0.05	6.1	0.1	9	0.6	<1
636 S 134	5.7	85	13	86	11.4	0.22	0.08	0.13	3.42	<0.05	0.115	0.053	0.039	0.06	2.9	0.1	18	1.5	1
636 S 135	2.4	59	14	23	1.7	0.20	0.07	0.47	2.28	<0.05	0.089	0.027	0.081	0.08	5.0	0.1	9	0.9	4
636 S 136	3.5	45	20	23	3.4	0.25	0.10	0.48	1.77	<0.05	0.098	0.090	0.062	0.04	4.3	0.1	6	<0.5	2

Lab Report #	SAMPLE ID	ICP-MS Au ppb	ICP-MS Ag ppm	ICP-MS As ppm	ICP-MS Sb ppm	ICP-MS Cu ppm	ICP-MS Pb ppm	ICP-MS Zn ppm	ICP-MS Bi ppm	ICP-MS Cd ppm	ICP-MS Mo ppm	ICP-MS Ni ppm	ICP-MS Co ppm	ICP-MS Ba ppm	ICP-MS W ppm	ICP-MS Cr ppm	ICP-MS Fe %	ICP-MS Mn ppm
a502507	636 S 137	11.0	<0.1	15.7	1.1	29.0	5.4	58	0.1	0.1	1.6	24.8	11.2	50	0.1	26.2	3.52	626
a502507	636 S 138	15.5	0.1	11.8	1.2	34.9	9.4	75	0.1	0.2	1.3	27.9	14.1	214	0.1	32.0	3.90	878
a502507	636 S 139	13.0	0.2	23.2	2.5	40.4	12.1	61	0.1	0.2	2.7	32.6	14.7	279	0.1	36.8	3.93	746
a502507	636 S 140	4.5	0.1	5.7	0.8	16.9	6.6	56	0.1	0.1	5.1	13.6	6.3	127	0.2	23.8	2.56	302
a502507	636 S 141	2.0	<0.1	4.5	0.5	9.4	16.0	59	0.1	<0.1	2.4	10.5	5.0	147	0.1	21.7	2.67	186
a502507	636 S 142	2.2	0.1	5.4	0.7	19.8	8.7	77	0.1	0.1	2.6	19.9	8.2	178	0.1	26.0	2.84	289
a502507	636 S 143	2.7	<0.1	3.1	0.4	19.3	7.8	50	0.1	0.1	1.3	16.9	7.2	118	0.1	27.1	2.74	290
a502507	636 S 144	2.1	<0.1	3.9	0.4	25.8	7.1	54	0.1	0.1	0.9	21.7	12.4	184	0.1	32.5	3.39	710
a502507	636 S 145	8.4	0.1	7.9	0.5	18.6	18.0	123	0.4	0.4	2.0	19.2	5.0	203	0.2	24.7	4.20	852
a502507	636 S 146	3.1	<0.1	4.0	0.3	25.9	10.4	58	0.1	0.1	0.9	31.2	12.9	115	0.1	32.7	3.37	576
a502507	636 S 147	3.0	0.1	5.9	0.8	27.3	10.7	74	0.1	0.1	2.2	24.6	10.8	267	0.1	33.9	3.40	458
a502507	636 S 148	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*
a502507	636 S 149	1.1	<0.1	2.4	0.5	25.5	4.0	69	0.1	0.1	0.7	29.7	17.1	157	0.1	38.5	3.52	786
a502507	636 S 150	5.7	0.1	7.6	0.6	36.4	28.7	95	0.2	0.2	3.0	25.9	17.2	293	0.1	35.7	4.97	863
a502507	636 S 151	3.2	0.1	4.3	0.7	32.5	14.1	89	0.1	0.3	3.1	25.8	19.1	90	0.1	75.7	5.26	1570
a502507	636 S 152	3.4	<0.1	4.1	0.4	20.0	6.5	53	0.2	0.1	2.1	22.3	12.1	91	0.1	37.5	3.77	868
a502507	636 S 153	2.5	<0.1	4.3	0.2	24.4	11.8	81	0.2	0.1	1.7	20.7	10.7	382	0.1	26.0	4.46	376
a502507	636 S 154	1.3	<0.1	3.8	0.5	27.9	6.2	85	0.1	0.1	1.6	25.0	12.4	357	0.1	34.4	3.88	608
a502507	636 S 155	3.3	0.1	4.4	0.6	36.5	11.0	65	0.1	0.1	3.8	16.6	11.8	669	0.1	43.3	4.07	1179
a502507	636 S 156	8.3	0.2	11.9	0.9	15.2	12.6	75	0.3	0.1	3.3	10.8	5.7	68	0.3	18.8	3.70	381
a502507	636 S 157	4.9	0.1	14.8	1.7	27.6	14.9	82	0.1	0.1	1.2	28.6	10.4	497	0.1	30.9	4.07	551
a502507	636 S 158	9.2	<0.1	15.7	2.0	33.5	5.8	69	0.1	0.1	1.2	25.0	12.5	68	0.1	32.4	3.84	551
a502507	636 S 159	11.7	0.1	18.5	1.8	29.1	10.1	59	<0.1	0.1	1.0	25.4	13.3	64	0.1	29.3	3.23	697
a502507	636 S 160	6.0	0.1	7.8	0.9	18.6	14.9	72	0.1	<0.1	3.5	15.8	6.8	298	0.1	22.5	3.18	346
a502507	636 S 161	7.6	0.1	7.7	0.8	23.7	7.2	41	<0.1	0.1	0.7	19.4	6.1	173	0.1	28.5	2.71	200
a502507	636 S 162	7.1	0.1	7.6	0.6	18.8	8.8	87	0.2	0.1	1.1	12.0	4.5	91	0.1	24.4	3.46	209
a502507	636 S 163	4.0	0.1	6.6	0.6	17.0	8.3	68	0.1	0.1	2.2	20.4	6.7	241	0.1	26.7	3.35	352
a502507	636 S 164	5.1	0.1	4.9	0.5	14.1	13.5	87	0.2	0.1	1.6	8.3	4.8	126	0.1	21.1	3.67	274
a502507	636 S 165	2.3	<0.1	3.3	0.6	17.2	4.6	60	0.1	0.1	0.6	16.5	7.1	82	0.1	26.8	2.87	287
a502507	636 S 166	3.8	0.1	2.9	0.4	20.6	5.6	37	<0.1	0.1	0.7	23.8	9.8	53	0.1	27.0	2.51	356
a502507	636 S 167	5.0	0.1	4.3	0.4	13.4	6.2	64	0.1	0.1	1.9	17.0	9.6	39	0.2	22.9	3.17	631
a502507	636 S 168	4.6	<0.1	6.8	0.7	16.3	7.9	115	0.2	0.1	1.0	30.9	7.4	126	0.2	24.0	3.39	275
a502507	636 S 169	5.8	<0.1	5.5	0.4	18.6	6.8	80	0.2	0.1	1.0	21.7	8.3	102	0.1	25.3	3.82	376
a502507	636 S 170	1.1	<0.1	3.2	0.4	22.3	6.1	70	0.1	0.1	1.0	18.9	7.8	183	0.1	28.0	3.15	363
a502507	636 S 171	3.8	<0.1	3.1	0.3	27.0	3.8	55	0.1	0.1	1.1	25.4	11.3	65	0.1	33.3	3.22	347

SAMPLE ID	ICP-MS U ppm	ICP-MS V ppm	ICP-MS Sr ppm	ICP-MS La ppm	ICP-MS Th ppm	ICP-MS Ca %	ICP-MS K %	ICP-MS Mg %	ICP-MS Al %	ICP-MS S %	ICP-MS Ti %	ICP-MS Na %	ICP-MS P %	ICP-MS Hg ppm	ICP-MS Sc ppm	ICP-MS Tl ppm	ICP-MS Ga ppm	ICP-MS Se ppm	ICP-MS B ppm
636 S 137	0.8	57	11	11	1.6	0.11	0.03	0.63	1.87	<0.05	0.104	0.016	0.059	0.05	3.6	0.1	6	<0.5	1
636 S 138	1.7	69	17	16	2.2	0.23	0.08	0.67	1.69	<0.05	0.114	0.022	0.076	0.07	5.8	0.1	6	<0.5	1
636 S 139	1.1	73	19	14	1.3	0.26	0.07	0.85	2.17	<0.05	0.070	0.011	0.049	0.11	6.8	0.1	5	0.6	1
636 S 140	2.8	45	12	24	1.3	0.18	0.06	0.37	1.73	<0.05	0.074	0.057	0.058	0.05	3.6	0.1	6	0.7	1
636 S 141	1.3	48	12	12	0.7	0.18	0.03	0.35	1.74	<0.05	0.070	0.010	0.046	0.04	2.5	0.1	10	<0.5	1
636 S 142	1.8	51	18	16	1.2	0.30	0.05	0.49	1.70	<0.05	0.084	0.016	0.061	0.06	4.7	<0.1	6	0.7	<1
636 S 143	1.2	54	12	15	0.9	0.15	0.03	0.41	1.75	<0.05	0.119	0.012	0.059	0.05	4.2	<0.1	7	0.5	2
636 S 144	0.7	61	18	18	1.4	0.24	0.04	0.63	1.86	<0.05	0.104	0.015	0.041	0.07	6.1	<0.1	6	<0.5	2
636 S 145	3.0	28	12	72	4.6	0.23	0.05	0.22	3.05	<0.05	0.082	0.026	0.065	0.11	4.8	0.1	12	1.0	<1
636 S 146	1.2	62	17	15	1.6	0.26	0.03	0.75	2.35	<0.05	0.110	0.015	0.044	0.05	4.8	<0.1	6	<0.5	1
636 S 147	1.5	64	21	16	1.2	0.33	0.06	0.65	1.97	<0.05	0.075	0.019	0.066	0.06	6.1	0.1	6	0.6	1
636 S 148	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*
636 S 149	0.5	67	27	12	1.9	0.47	0.05	1.08	1.54	<0.05	0.189	0.030	0.084	0.02	5.8	<0.1	5	<0.5	1
636 S 150	1.2	91	63	29	2.1	0.53	0.06	0.81	2.68	<0.05	0.132	0.026	0.078	0.04	5.9	0.1	10	<0.5	1
636 S 151	0.8	86	9	11	0.5	0.12	0.06	0.38	2.41	<0.05	0.071	0.010	0.083	0.07	6.1	0.1	7	<0.5	2
636 S 152	1.1	60	12	14	1.9	0.16	0.04	0.74	2.67	<0.05	0.115	0.012	0.067	0.05	4.4	0.1	7	0.8	1
636 S 153	1.3	57	22	23	2.7	0.40	0.04	0.55	2.90	<0.05	0.066	0.016	0.053	0.03	3.9	0.1	10	<0.5	<1
636 S 154	0.9	62	17	17	1.3	0.27	0.07	0.89	2.53	<0.05	0.087	0.013	0.053	0.03	5.1	<0.1	8	<0.5	2
636 S 155	5.2	60	20	29	1.6	0.49	0.06	0.56	2.35	0.08	0.102	0.019	0.080	0.09	7.3	0.1	9	0.9	2
636 S 156	1.8	44	6	26	3.6	0.08	0.06	0.22	2.48	<0.05	0.153	0.043	0.083	0.04	2.6	0.1	16	0.8	2
636 S 157	1.0	62	16	16	0.7	0.29	0.05	0.66	2.27	<0.05	0.032	0.012	0.071	0.07	3.1	0.1	8	<0.5	2
636 S 158	0.7	67	13	15	1.3	0.14	0.05	0.70	2.71	<0.05	0.055	0.009	0.051	0.07	4.7	0.1	6	0.6	1
636 S 159	0.8	58	12	23	1.8	0.12	0.04	0.68	2.20	<0.05	0.090	0.009	0.039	0.06	5.5	0.1	5	0.6	1
636 S 160	3.2	46	16	26	1.1	0.32	0.04	0.38	2.13	0.09	0.077	0.014	0.090	0.05	3.7	0.1	9	0.9	2
636 S 161	1.0	52	18	13	1.2	0.23	0.03	0.51	1.56	<0.05	0.069	0.012	0.027	0.07	4.7	0.1	5	0.5	1
636 S 162	1.7	47	11	34	1.3	0.20	0.03	0.31	2.72	0.07	0.072	0.013	0.072	0.07	4.7	0.1	11	0.8	1
636 S 163	2.3	47	21	27	1.4	0.44	0.04	0.47	1.99	0.06	0.055	0.015	0.066	0.05	4.3	0.1	8	0.6	1
636 S 164	1.3	50	11	29	1.5	0.22	0.04	0.21	2.57	<0.05	0.135	0.014	0.055	0.06	3.3	0.1	16	0.7	1
636 S 165	0.8	46	14	15	1.5	0.21	0.04	0.46	1.88	<0.05	0.077	0.010	0.037	0.04	4.1	<0.1	6	<0.5	3
636 S 166	0.6	48	15	12	1.4	0.22	0.02	0.55	1.59	<0.05	0.097	0.011	0.051	0.03	4.2	<0.1	4	0.5	1
636 S 167	1.0	48	10	18	2.1	0.12	0.03	0.44	2.20	<0.05	0.147	0.017	0.051	0.04	3.5	0.1	10	<0.5	1
636 S 168	1.1	41	14	19	2.6	0.22	0.06	0.39	3.10	0.06	0.091	0.019	0.038	0.06	3.6	0.1	10	0.6	<1
636 S 169	1.1	50	15	23	1.7	0.23	0.04	0.47	2.63	<0.05	0.093	0.015	0.048	0.05	3.9	0.1	9	0.7	<1
636 S 170	1.1	54	18	20	1.5	0.28	0.06	0.48	2.03	<0.05	0.089	0.028	0.058	0.03	5.1	<0.1	7	<0.5	1
636 S 171	0.7	61	16	12	1.1	0.22	0.03	0.67	2.46	<0.05	0.156	0.019	0.068	0.04	4.7	<0.1	8	<0.5	<1

Lab Report #	SAMPLE ID	ICP-MS Au ppb	ICP-MS Ag ppm	ICP-MS As ppm	ICP-MS Sb ppm	ICP-MS Cu ppm	ICP-MS Pb ppm	ICP-MS Zn ppm	ICP-MS Bi ppm	ICP-MS Cd ppm	ICP-MS Mo ppm	ICP-MS Ni ppm	ICP-MS Co ppm	ICP-MS Ba ppm	ICP-MS W ppm	ICP-MS Cr ppm	ICP-MS Fe %	ICP-MS Mn ppm
a502507	636 S 172	3.5	<0.1	4.6	0.5	22.9	5.4	57	0.1	0.1	3.2	23.7	14.1	91	0.1	34.4	3.71	732
a502507	636 S 173	5.7	<0.1	5.0	0.4	16.3	61.3	57	0.1	0.2	1.5	16.7	9.7	35	0.1	25.7	3.05	380
a502507	636 S 174	11.3	<0.1	7.1	0.4	10.5	15.8	87	0.4	0.3	4.1	5.2	3.7	78	0.5	12.2	3.82	314
a502507	636 S 175	1.9	0.1	2.5	0.4	28.8	3.1	56	<0.1	0.1	1.0	32.9	14.9	228	0.1	46.8	3.81	676
a502507	636 S 176	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*
a502507	636 S 177	2.4	0.1	18.0	4.1	45.1	6.4	62	0.1	0.1	1.7	26.6	14.2	196	0.1	22.9	4.79	1052
a502507	636 S 179	3.3	0.2	51.4	4.1	77.1	7.2	66	0.1	0.3	1.8	26.8	39.0	290	<0.1	3.1	6.09	2196
a502507	636 S 180	5.7	0.3	90.4	15.8	174.4	12.3	147	0.1	0.9	6.7	38.7	21.0	243	0.1	21.0	5.39	1073
a502507	636 S 181	4.6	0.1	20.9	6.1	54.7	9.4	118	0.1	0.3	2.0	28.3	10.7	183	0.1	28.3	3.85	549
a502507	636 S 182	3.0	0.1	4.9	2.7	32.5	4.2	45	<0.1	0.1	0.8	30.9	10.3	79	0.1	26.7	2.86	342
a502507	636 S 183	28.5	0.5	31.0	34.3	81.8	13.6	718	0.1	2.8	0.9	243.5	29.8	282	0.1	55.9	18.48	7171
a502507	636 S 184	9.7	0.1	39.7	9.0	25.9	11.2	292	0.1	0.6	1.4	166.4	15.3	96	0.4	43.1	8.67	813
a502507	636 S 185	3.0	0.1	4.7	0.6	16.7	8.0	101	0.1	0.2	1.6	12.2	8.1	90	0.1	22.5	3.87	532
a502507	636 S 186	2.7	0.1	4.2	0.5	29.8	5.1	62	0.1	0.2	1.0	18.1	9.5	147	0.1	25.5	3.55	409
a502507	636 S 187	2.6	0.1	3.9	0.5	25.1	5.0	79	0.1	0.1	1.0	21.4	10.0	136	0.1	29.9	3.35	525
a502507	636 S 188	2.8	<0.1	4.2	0.6	20.8	4.9	95	0.1	0.1	0.8	22.6	9.1	121	0.1	25.7	3.48	371
a502507	636 S 189	4.2	0.1	10.7	4.0	47.4	6.2	73	0.1	0.1	2.1	19.2	12.6	230	0.1	30.6	4.63	383
a502507	636 S 191	3.0	0.1	7.0	3.1	16.6	14.4	59	0.1	0.1	3.6	10.7	5.9	155	0.2	16.4	3.69	252
a502507	636 S 192	10.6	<0.1	13.5	2.2	32.3	6.5	70	0.1	0.1	2.7	30.3	7.9	132	0.2	27.3	3.24	371
a502507	636 S 193	3.1	0.1	18.0	3.2	55.9	6.0	94	0.1	0.2	2.8	30.9	16.7	161	0.1	27.0	4.31	737
a502507	636 S 194	8.8	0.1	8.2	0.4	18.3	12.2	97	0.5	0.2	4.2	11.2	5.8	39	0.4	16.6	4.87	488
a502507	636 S 195	4.5	<0.1	3.4	0.4	31.5	4.6	89	<0.1	0.2	1.1	64.3	23.1	38	0.1	36.8	4.07	1093
a502507	636 S 196	3.0	<0.1	4.6	0.3	20.9	8.9	92	0.1	0.2	2.2	24.6	9.7	99	0.3	32.3	3.19	411
a502507	636 S 197	2.6	0.1	2.6	0.3	33.4	4.0	56	0.1	0.1	1.0	31.5	16.1	96	0.1	35.8	3.68	682
a502507	636 S 198	9.3	0.1	8.1	0.5	15.4	13.5	119	0.3	0.3	3.9	7.0	4.9	160	0.4	10.5	4.35	576
a502507	636 S 199	2.1	0.1	4.7	0.8	42.6	4.9	115	0.1	0.2	1.1	42.7	21.8	135	0.1	44.9	4.58	1211
a502507	636 S 200	75.5	0.4	56.8	3.9	45.7	9.4	77	0.1	0.1	2.9	36.6	12.7	117	0.2	34.3	4.22	532
a502507	636 S 201	2.2	0.1	2.7	0.3	28.8	3.0	67	<0.1	0.1	0.6	40.8	18.7	144	0.1	42.5	4.15	746
a502507	636 S 202	3.4	0.1	5.3	0.3	13.2	8.2	84	0.2	0.3	2.7	12.5	6.1	78	0.3	20.7	3.25	303
a502507	636 S 203	10.8	0.1	5.0	0.3	24.2	6.9	73	0.2	0.1	2.2	28.3	10.9	93	0.2	32.8	3.73	409
a502507	636 S 204	<0.5	0.1	5.1	0.4	20.9	10.1	97	0.3	0.4	1.2	18.7	6.6	118	0.3	30.7	1.87	191
a502507	636 S 205	7.8	<0.1	6.7	0.5	29.4	10.8	72	0.3	0.2	1.8	18.4	9.4	99	0.2	22.8	3.86	728
a502507	636 S 206	5.8	0.1	6.0	0.5	34.3	8.4	121	0.1	0.2	1.2	33.4	10.7	273	0.2	38.5	4.31	475
a502507	636 S 207	<0.5	<0.1	3.1	0.7	31.7	5.0	59	<0.1	0.1	0.7	28.5	16.8	246	<0.1	52.9	4.30	820
a502507	636 S 208	4.9	0.2	28.9	4.0	36.5	12.8	92	0.1	0.2	3.0	39.6	18.6	225	0.1	41.2	4.43	1357

SAMPLE ID	ICP-MS U ppm	ICP-MS V ppm	ICP-MS Sr ppm	ICP-MS La ppm	ICP-MS Th ppm	ICP-MS Ca %	ICP-MS K %	ICP-MS Mg %	ICP-MS Al %	ICP-MS S %	ICP-MS Ti %	ICP-MS Na %	ICP-MS P %	ICP-MS Hg ppm	ICP-MS Sc ppm	ICP-MS Tl ppm	ICP-MS Ga ppm	ICP-MS Se ppm	ICP-MS B ppm
636 S 172	0.9	72	16	13	0.9	0.20	0.04	0.63	2.44	<0.05	0.141	0.020	0.063	0.05	4.1	0.1	8	<0.5	<1
636 S 173	0.9	57	11	15	1.6	0.14	0.03	0.40	2.60	<0.05	0.230	0.020	0.059	0.06	3.8	0.1	9	0.6	1
636 S 174	3.2	34	4	50	5.6	0.04	0.06	0.12	2.94	<0.05	0.160	0.040	0.046	0.04	2.0	0.1	19	0.6	<1
636 S 175	2.3	74	18	17	1.9	0.24	0.04	0.97	1.86	<0.05	0.190	0.019	0.060	0.03	7.4	<0.1	5	<0.5	1
636 S 176	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*
636 S 177	0.5	69	12	9	0.2	0.18	0.06	0.31	1.80	<0.05	0.025	0.008	0.122	0.07	2.9	0.1	7	<0.5	1
636 S 179	0.3	51	10	16	0.7	0.51	0.16	0.11	0.48	<0.05	0.002	0.006	0.123	0.12	9.7	0.2	1	<0.5	4
636 S 180	1.0	80	16	14	0.9	0.33	0.07	0.38	1.19	<0.05	0.017	0.011	0.088	0.18	7.3	0.2	4	1.0	2
636 S 181	1.7	57	21	27	2.4	0.38	0.08	0.47	2.03	<0.05	0.100	0.030	0.089	0.10	6.6	0.1	7	0.7	3
636 S 182	0.5	51	16	10	1.2	0.25	0.03	0.74	1.73	<0.05	0.085	0.012	0.046	0.05	4.8	0.1	5	0.8	2
636 S 183	2.6	73	28	45	1.6	1.96	0.01	1.05	1.58	<0.05	0.003	0.003	0.109	1.12	14.1	0.2	2	1.6	2
636 S 184	1.7	55	11	33	2.8	0.50	0.07	0.46	2.23	<0.05	0.092	0.027	0.089	0.12	5.8	0.1	9	0.6	2
636 S 185	0.9	58	10	16	0.9	0.16	0.07	0.41	3.13	0.07	0.140	0.014	0.073	0.07	3.4	0.1	11	<0.5	3
636 S 186	1.3	50	18	32	1.8	0.24	0.07	0.58	2.44	<0.05	0.108	0.014	0.052	0.07	5.6	0.1	8	<0.5	3
636 S 187	1.1	58	20	23	1.6	0.31	0.07	0.59	1.96	<0.05	0.128	0.022	0.069	0.04	5.3	<0.1	7	<0.5	3
636 S 188	0.9	52	18	18	1.0	0.28	0.04	0.59	2.09	0.06	0.094	0.014	0.052	0.04	3.8	<0.1	8	<0.5	4
636 S 189	0.7	76	23	21	0.7	0.33	0.10	0.71	2.62	<0.05	0.038	0.016	0.088	0.07	6.8	0.1	8	0.8	5
636 S 191	1.7	42	16	27	1.0	0.30	0.08	0.29	2.23	0.15	0.040	0.054	0.106	0.06	2.8	0.1	10	2.6	4
636 S 192	0.9	51	14	16	1.1	0.24	0.07	0.49	1.87	<0.05	0.042	0.038	0.049	0.04	3.5	0.1	7	0.5	4
636 S 193	0.5	69	23	14	1.4	0.35	0.09	0.61	1.53	<0.05	0.082	0.016	0.087	0.06	6.6	0.1	5	0.6	4
636 S 194	2.8	35	6	48	2.4	0.07	0.06	0.26	3.62	0.08	0.112	0.028	0.057	0.06	3.0	0.1	22	1.0	2
636 S 195	0.7	63	16	15	2.3	0.27	0.04	1.53	2.69	<0.05	0.161	0.017	0.083	0.03	5.7	<0.1	6	<0.5	3
636 S 196	2.4	70	20	24	2.6	0.21	0.06	0.51	2.13	<0.05	0.162	0.052	0.085	0.02	4.0	0.1	9	0.5	3
636 S 197	0.5	67	16	16	1.6	0.23	0.04	0.91	2.17	<0.05	0.169	0.016	0.051	0.05	7.3	<0.1	6	<0.5	2
636 S 198	3.9	26	7	79	6.6	0.11	0.07	0.16	3.16	<0.05	0.153	0.052	0.055	0.03	2.6	0.2	19	0.9	4
636 S 199	0.6	77	21	14	2.0	0.38	0.07	1.17	2.64	<0.05	0.205	0.026	0.080	0.02	6.8	<0.1	8	<0.5	4
636 S 200	1.2	81	19	19	0.9	0.24	0.06	0.50	2.34	<0.05	0.058	0.013	0.075	0.18	5.5	0.3	8	0.9	3
636 S 201	0.8	73	18	21	1.9	0.28	0.05	1.26	2.59	<0.05	0.179	0.020	0.062	0.02	7.5	<0.1	7	<0.5	3
636 S 202	1.4	43	9	24	1.8	0.14	0.07	0.30	2.29	0.07	0.091	0.062	0.074	0.03	2.5	0.1	13	0.5	4
636 S 203	2.0	57	17	30	3.4	0.25	0.04	0.81	2.98	<0.05	0.198	0.026	0.051	0.04	5.2	0.1	11	0.6	3
636 S 204	2.9	50	15	38	6.7	0.21	0.05	0.40	3.20	<0.05	0.175	0.035	0.047	0.05	5.7	0.1	14	<0.5	1
636 S 205	2.0	51	14	44	3.0	0.21	0.05	0.51	2.95	<0.05	0.107	0.028	0.058	0.08	6.5	0.1	12	0.8	1
636 S 206	2.0	66	19	29	5.3	0.30	0.05	0.80	3.10	<0.05	0.158	0.021	0.030	0.04	7.6	0.1	13	0.6	1
636 S 207	0.7	94	15	16	1.8	0.18	0.05	0.96	2.28	<0.05	0.078	0.010	0.036	0.05	13.7	<0.1	6	<0.5	2
636 S 208	0.6	107	18	11	0.3	0.26	0.06	0.52	1.90	<0.05	0.023	0.009	0.109	0.06	3.5	0.3	7	0.6	2

Lab Report #	SAMPLE ID	ICP-MS Au ppb	ICP-MS Ag ppm	ICP-MS As ppm	ICP-MS Sb ppm	ICP-MS Cu ppm	ICP-MS Pb ppm	ICP-MS Zn ppm	ICP-MS Bi ppm	ICP-MS Cd ppm	ICP-MS Mo ppm	ICP-MS Ni ppm	ICP-MS Co ppm	ICP-MS Ba ppm	ICP-MS W ppm	ICP-MS Cr ppm	ICP-MS Fe %	ICP-MS Mn ppm
a502507	636 S 209	5.6	0.1	41.4	4.2	38.3	12.7	93	0.1	0.2	1.9	46.9	14.6	282	0.1	40.0	4.00	735
a502507	636 S 210	5.3	0.3	83.1	3.9	48.3	18.3	115	0.1	0.7	2.7	79.3	17.6	246	0.2	45.6	4.27	797
a502507	636 S 211	3.0	0.1	18.3	3.1	15.6	9.0	85	0.1	0.2	1.0	33.6	9.3	356	0.1	52.4	4.47	740
a502507	636 S 212	2.8	0.1	16.8	1.7	116.1	8.3	83	0.1	0.1	1.2	52.7	29.1	174	0.1	120.7	6.18	1034
a502507	636 S 213	13.3	0.8	40.9	12.5	144.7	10.9	94	0.1	0.7	1.0	80.9	29.8	187	0.2	32.7	4.91	1372
a502507	636 S 214	24.3	0.3	44.0	5.1	50.2	9.1	72	<0.1	0.2	1.3	62.3	17.4	130	0.1	36.3	3.72	741
a502507	636 S 215	58.9	0.4	49.3	5.7	56.4	13.1	117	0.1	0.5	1.6	135.4	17.8	143	0.2	64.3	4.10	582
a502507	636 S 217	7.5	0.1	23.0	2.9	76.6	5.6	66	<0.1	0.2	0.5	884.1	83.5	181	0.1	378.4	6.46	1290
a502507	636 S 218	18.4	0.6	25.0	8.5	59.8	10.1	92	<0.1	0.4	0.8	136.4	21.6	134	0.2	83.9	4.87	659
a502507	636 S 219	4.1	0.4	23.3	5.4	26.1	6.9	85	0.1	0.5	2.0	15.0	6.9	99	0.1	22.5	3.33	870
a502507	636 S 220	10.1	0.1	28.1	6.2	35.1	10.6	78	0.3	0.2	3.3	9.5	5.5	31	0.2	18.0	4.26	593
a502507	636 S 221	66.0	0.6	64.2	6.9	29.0	10.1	62	0.1	0.3	2.9	10.8	6.1	43	0.2	21.4	3.07	669
a502507	636 S 222	36.9	0.2	35.8	4.0	23.0	13.6	100	0.3	0.3	3.6	14.1	3.9	66	0.6	12.9	4.12	779
a502507	636 S 223	218.2	0.9	143.9	5.2	29.9	12.5	84	0.1	0.2	4.4	11.5	4.5	91	0.4	14.1	3.31	698
a502507	636 S 224	3.4	<0.1	7.3	0.8	35.2	4.4	79	0.1	0.2	1.2	24.5	14.8	41	0.2	32.8	3.42	784
a502507	636 S 225	4.4	<0.1	10.3	0.6	32.9	6.9	76	0.1	0.2	1.7	21.9	15.8	77	0.1	30.4	4.10	746
a502507	636 S 226	4.6	0.1	5.0	0.5	20.3	7.1	100	0.1	0.3	1.6	34.5	14.5	34	0.2	27.8	3.54	683
a502507	636 S 227	4.1	0.1	4.3	0.3	20.3	6.4	80	0.1	0.2	1.3	19.9	9.3	121	0.1	25.3	3.12	519
a502507	636 S 228	4.0	<0.1	3.5	0.4	29.6	3.4	50	0.1	0.1	0.8	29.4	14.6	96	0.1	33.3	3.42	736
a502507	636 S 229	2.8	<0.1	4.3	0.4	17.8	8.2	98	0.1	0.2	1.5	24.2	15.8	79	0.2	28.1	3.83	1054
a502507	636 S 230	2.9	0.1	3.6	0.4	30.8	5.5	83	0.1	0.2	1.2	26.3	16.1	108	0.2	32.8	3.76	810
a502507	636 S 231	2.1	0.1	5.0	0.5	42.4	6.8	76	0.1	0.1	1.1	26.1	16.5	136	0.1	39.7	4.24	781
a502507	636 S 232	9.5	0.1	18.8	1.2	34.0	2.9	51	<0.1	0.2	0.8	35.3	14.8	44	0.1	27.1	3.19	641
a502507	636 S 233	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*
a502507	636 S 234	5.6	0.1	12.0	3.3	22.1	9.7	105	0.2	0.2	1.9	16.5	7.5	89	0.2	29.7	4.63	661
a502507	636 S 235	9.4	0.1	20.1	2.3	20.6	14.5	85	0.2	0.3	2.3	15.7	7.6	56	0.1	27.8	4.04	1072
a502507	636 S 236	327.9	0.4	112.7	16.0	35.2	20.4	112	0.1	0.3	2.9	34.9	9.8	52	0.2	32.3	5.50	667
a502507	636 S 237	21.4	0.7	87.5	177.8	378.6	17.4	327	<0.1	2.6	1.3	131.5	17.9	107	0.2	18.6	9.00	2440
a502507	636 S 238	21.3	0.3	40.1	13.0	44.4	20.9	190	0.2	0.4	1.6	67.5	10.5	87	0.3	48.5	6.92	627
a502507	636 S 239	114.0	1.3	139.8	272.5	814.2	32.0	358	0.1	2.6	2.4	66.9	14.4	120	0.2	46.0	7.41	778
a502507	636 S 240	69.2	0.5	48.3	26.2	57.1	13.1	160	<0.1	0.4	1.6	85.4	22.9	247	0.1	36.3	16.91	3202
a502507	636 S 241	18.9	2.7	74.8	212.0	460.4	30.7	303	0.1	2.1	2.3	46.3	10.3	742	0.2	33.8	5.85	596
a502507	636 S 242	8.7	0.6	41.3	6.9	58.7	10.4	76	0.1	0.1	5.0	20.8	6.6	105	0.3	23.8	3.09	360
a502507	636 S 243	10.8	0.2	44.6	4.6	41.0	9.6	105	0.1	0.2	1.7	45.6	10.5	90	0.2	53.2	3.96	604
a502507	636 S 244	8.8	0.1	12.5	1.4	36.2	5.2	71	0.1	0.3	1.2	32.0	14.3	164	0.1	32.9	3.53	1117

SAMPLE ID	ICP-MS U ppm	ICP-MS V ppm	ICP-MS Sr ppm	ICP-MS La ppm	ICP-MS Th ppm	ICP-MS Ca %	ICP-MS K %	ICP-MS Mg %	ICP-MS Al %	ICP-MS S %	ICP-MS Ti %	ICP-MS Na %	ICP-MS P %	ICP-MS Hg ppm	ICP-MS Sc ppm	ICP-MS Tl ppm	ICP-MS Ga ppm	ICP-MS Se ppm	ICP-MS B ppm
636 S 209	0.7	87	25	11	0.4	0.46	0.05	0.53	2.03	0.06	0.016	0.009	0.160	0.05	3.6	0.3	6	0.6	1
636 S 210	1.2	84	16	16	4.2	0.30	0.07	0.43	0.98	<0.05	0.039	0.027	0.101	0.13	8.9	0.3	4	<0.5	3
636 S 211	0.5	93	8	8	0.8	0.24	0.05	0.14	1.50	<0.05	0.003	0.005	0.143	0.06	5.3	0.2	3	<0.5	<1
636 S 212	0.5	158	9	11	0.6	0.19	0.08	0.98	2.56	<0.05	0.015	0.008	0.131	0.08	10.0	0.2	10	0.9	2
636 S 213	0.6	78	37	11	0.7	1.12	0.11	0.33	0.87	0.14	0.002	0.006	0.083	0.09	9.8	0.2	3	1.1	2
636 S 214	0.3	63	14	6	0.8	0.24	0.05	0.77	1.39	<0.05	0.026	0.009	0.025	0.07	4.4	0.2	4	<0.5	2
636 S 215	0.8	62	17	15	2.2	0.32	0.08	1.06	1.49	<0.05	0.055	0.035	0.066	0.13	6.7	0.2	5	<0.5	3
636 S 217	0.1	102	81	5	0.6	2.59	0.07	4.78	2.49	<0.05	0.017	0.014	0.050	0.11	16.1	0.1	6	<0.5	5
636 S 218	0.5	80	12	11	1.0	0.18	0.05	0.53	1.95	<0.05	0.012	0.007	0.050	0.22	7.6	0.2	4	0.7	3
636 S 219	0.9	59	9	12	0.1	0.13	0.04	0.26	1.68	<0.05	0.025	0.014	0.098	0.07	1.2	0.2	8	<0.5	1
636 S 220	1.2	47	6	16	0.4	0.06	0.05	0.21	2.19	<0.05	0.029	0.011	0.098	0.08	1.3	0.2	13	0.8	1
636 S 221	1.2	60	6	12	0.6	0.08	0.05	0.20	1.64	<0.05	0.058	0.031	0.069	0.15	2.2	0.5	9	<0.5	<1
636 S 222	4.2	20	3	44	6.3	0.06	0.05	0.10	3.93	<0.05	0.062	0.033	0.067	0.14	3.1	0.3	19	0.9	<1
636 S 223	1.5	48	4	13	1.2	0.08	0.09	0.16	1.45	<0.05	0.053	0.108	0.092	0.23	2.0	0.4	9	0.6	2
636 S 224	0.6	72	14	11	1.6	0.23	0.04	0.87	2.84	<0.05	0.120	0.013	0.072	0.07	5.3	0.1	6	0.5	1
636 S 225	1.0	81	16	16	2.4	0.21	0.05	0.75	3.00	<0.05	0.153	0.036	0.077	0.03	5.6	0.1	10	<0.5	1
636 S 226	0.9	55	12	48	4.9	0.18	0.04	0.91	2.47	<0.05	0.119	0.016	0.051	0.05	3.7	<0.1	8	<0.5	1
636 S 227	1.5	52	15	25	3.3	0.23	0.06	0.51	1.96	<0.05	0.155	0.058	0.055	0.02	4.5	0.1	9	<0.5	3
636 S 228	0.7	64	15	12	2.0	0.18	0.04	0.85	2.13	<0.05	0.119	0.016	0.044	0.04	5.8	<0.1	7	<0.5	1
636 S 229	0.7	67	16	15	1.4	0.23	0.04	0.77	2.06	<0.05	0.127	0.020	0.069	0.04	3.2	<0.1	8	<0.5	2
636 S 230	0.9	72	28	19	2.3	0.43	0.05	0.91	1.60	<0.05	0.198	0.036	0.064	0.02	4.8	0.1	7	<0.5	1
636 S 231	0.8	92	22	22	2.0	0.32	0.04	1.06	2.71	<0.05	0.175	0.019	0.044	0.03	7.5	0.1	9	<0.5	2
636 S 232	0.4	60	14	7	1.0	0.27	0.03	0.83	2.19	<0.05	0.145	0.015	0.069	0.08	4.2	0.1	6	<0.5	<1
636 S 233	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*
636 S 234	1.3	67	11	20	1.0	0.22	0.06	0.45	2.01	0.07	0.079	0.013	0.071	0.06	3.9	0.1	15	0.7	2
636 S 235	1.1	54	7	14	0.3	0.11	0.04	0.28	2.24	0.07	0.032	0.013	0.084	0.11	1.3	0.1	14	0.6	3
636 S 236	1.1	81	8	13	0.4	0.48	0.06	0.30	2.04	<0.05	0.037	0.010	0.092	0.30	2.9	0.5	10	<0.5	2
636 S 237	0.6	36	42	15	0.8	9.77	0.04	4.35	1.01	<0.05	0.044	0.019	0.093	1.77	3.5	0.2	3	<0.5	4
636 S 238	1.7	67	10	30	3.4	0.37	0.07	0.45	2.40	<0.05	0.122	0.022	0.111	0.29	6.3	0.2	11	<0.5	4
636 S 239	1.4	84	14	25	1.9	0.99	0.05	0.69	1.87	<0.05	0.048	0.019	0.101	1.00	7.3	0.2	7	0.6	3
636 S 240	1.9	63	9	55	3.1	0.30	0.02	0.36	2.56	<0.05	0.022	0.007	0.100	0.40	8.9	0.4	3	1.1	1
636 S 241	1.2	68	11	18	1.4	0.54	0.06	0.58	1.84	<0.05	0.037	0.014	0.102	0.24	6.4	0.1	6	<0.5	2
636 S 242	1.7	58	5	22	0.4	0.09	0.08	0.19	1.57	<0.05	0.009	0.088	0.077	0.07	3.2	0.3	6	<0.5	3
636 S 243	0.9	60	10	15	0.7	0.13	0.05	0.57	2.27	<0.05	0.028	0.014	0.082	0.07	4.0	0.3	7	<0.5	3
636 S 244	0.3	68	28	14	1.5	0.39	0.09	0.79	1.36	<0.05	0.115	0.018	0.082	0.05	6.2	0.1	5	<0.5	2

Lab Report #	SAMPLE ID	ICP-MS Au ppb	ICP-MS Ag ppm	ICP-MS As ppm	ICP-MS Sb ppm	ICP-MS Cu ppm	ICP-MS Pb ppm	ICP-MS Zn ppm	ICP-MS Bi ppm	ICP-MS Cd ppm	ICP-MS Mo ppm	ICP-MS Ni ppm	ICP-MS Co ppm	ICP-MS Ba ppm	ICP-MS W ppm	ICP-MS Cr ppm	ICP-MS Fe %	ICP-MS Mn ppm
a502507	636 S 245	2.0	0.1	7.3	0.5	48.7	5.3	78	0.1	0.2	0.6	36.0	16.9	325	0.1	41.0	3.97	1192
a502507	636 S 246	28.1	0.5	53.5	7.1	72.7	13.3	107	0.1	0.5	1.7	76.4	19.1	289	0.1	47.8	4.76	1327
a502507	636 S 247	4.2	0.1	17.3	1.6	36.7	9.5	142	0.1	0.4	2.2	27.2	7.5	140	0.1	41.6	3.38	613
a502507	636 S 248	23.1	0.1	55.4	3.7	38.1	13.6	106	0.1	0.3	1.8	36.9	12.4	164	0.1	37.7	3.92	777
a502507	636 S 251	3.8	0.1	9.2	0.8	72.1	10.3	63	0.2	0.2	1.1	13.9	7.9	204	0.1	20.6	3.47	570
a502507	636 S 252	45.7	0.1	64.8	4.1	52.5	9.6	62	0.1	0.2	1.0	87.3	21.0	255	0.1	62.5	4.74	1235
a502507	636 S 253	6.0	0.3	27.5	2.7	37.2	10.5	93	0.1	0.3	2.0	41.8	12.6	155	0.2	38.2	3.84	884
a502507	636 S 254	11.1	0.1	28.6	2.4	45.3	10.9	102	0.1	0.4	2.0	42.7	14.0	247	0.2	40.8	3.96	1187
a502507	636 S 255	11.8	0.3	44.6	4.1	41.5	11.3	103	0.1	0.5	1.4	59.1	10.8	299	0.1	37.3	4.11	754
a502507	636 S 256	6.2	0.2	32.6	3.3	22.6	8.1	100	0.1	0.2	1.5	20.1	6.4	134	0.1	35.9	4.15	465
a502507	636 S 257	5.4	0.1	11.5	1.2	16.4	8.6	88	0.2	0.2	2.5	14.4	6.6	95	0.2	24.7	3.99	705
a502507	636 S 258	1.4	0.1	6.6	0.5	29.6	6.5	65	0.1	0.1	0.7	28.2	11.3	221	0.1	39.1	3.89	715
a502507	636 S 259	156.7	2.9	176.5	54.3	182.7	54.6	229	0.1	1.3	1.5	753.8	67.7	146	0.5	172.8	7.23	3445
a502507	636 S 260	1424.4	5.1	351.3	29.0	267.4	101.5	205	0.1	1.4	3.1	214.4	43.0	203	1.1	58.4	8.48	5267
a502507	636 S 261	4.8	0.1	10.9	1.5	57.4	8.4	112	0.1	0.2	0.7	1157.8	71.8	92	0.1	466.2	7.63	938
a502507	636 S 263	6.0	<0.1	15.9	1.2	35.8	22.4	63	0.1	0.1	1.2	44.6	13.8	48	0.2	37.4	3.60	733
a502507	636 S 264	28.6	0.1	46.0	1.7	59.6	7.6	48	0.2	0.1	1.6	18.8	5.8	200	0.1	17.3	3.09	673
a502507	636 S 265	74.6	2.4	148.0	26.0	120.3	35.3	167	0.1	0.5	2.2	27.1	8.5	63	0.2	43.0	4.86	840
a502507	636 S 266	728.7	1.9	500.0	63.0	227.9	44.3	144	0.1	0.4	3.3	53.6	29.7	102	0.4	58.0	9.20	1997
a502507	636 S 267	3.7	<0.1	10.2	1.9	44.2	4.0	96	0.1	0.3	1.0	34.9	15.4	131	0.1	44.0	4.64	939
a502507	636 S 268	2.9	0.1	7.5	0.5	26.0	5.8	110	0.1	0.2	1.9	16.1	10.1	80	0.1	32.2	4.04	931
a502507	636 S 269	6.0	0.1	6.2	1.4	27.0	5.7	115	0.1	0.2	1.3	28.3	13.2	68	0.1	31.3	3.85	852
a502507	636 S 270	2.8	0.1	5.1	0.7	26.0	5.5	78	0.1	0.2	1.3	22.1	11.7	61	0.1	32.6	4.08	600
a502507	636 S 271	3.7	<0.1	9.3	0.7	27.4	7.9	106	0.1	0.2	2.0	185.6	19.6	71	0.4	91.5	5.50	867
a502507	636 S 272	9.8	0.1	22.0	1.8	46.6	14.1	146	0.2	0.3	1.2	1041.0	58.3	109	0.3	409.7	7.76	604
a502507	636 S 273	11.1	0.1	22.7	2.3	47.9	12.9	148	0.3	0.2	1.4	1015.3	67.7	110	0.3	433.3	8.72	741
a502507	636 S 274	10.3	0.1	7.4	0.5	26.4	10.8	77	0.1	0.2	2.5	31.6	10.7	133	0.2	39.3	3.46	699
a502507	636 S 275	9.9	0.2	3.7	0.3	9.2	7.0	47	0.1	0.2	2.9	6.7	2.3	67	0.3	17.1	1.89	173
a502507	636 S 276	<0.5	0.2	12.5	0.6	12.3	15.2	113	0.4	0.5	5.1	10.3	4.9	60	0.9	11.0	4.68	686
a502507	636 S 277	6.2	0.1	9.4	0.7	24.9	6.6	110	0.1	0.2	2.3	30.0	14.3	53	0.3	35.2	4.77	933
a502507	636 S 278	3.1	<0.1	8.4	0.3	15.4	8.6	51	0.1	0.1	0.5	147.7	22.8	508	<0.1	46.1	4.59	1442
a502507	636 S 279	7.4	0.1	10.6	0.8	39.8	9.3	107	0.2	0.2	4.5	34.3	13.9	106	0.2	41.6	4.89	737
a502507	636 S 280	7.0	<0.1	9.2	1.3	46.0	6.1	95	0.1	0.2	1.6	38.2	20.0	87	0.1	43.3	4.80	1317
a502507	636 S 281	84.7	0.1	8.3	1.0	33.3	7.0	81	0.1	0.2	1.7	39.1	11.5	76	0.1	45.9	3.94	513
a502507	636 S 282	3.1	0.2	6.9	1.0	26.8	7.8	101	0.1	0.3	2.0	31.4	8.6	352	0.1	39.5	3.91	527

SAMPLE ID	ICP-MS U ppm	ICP-MS V ppm	ICP-MS Sr ppm	ICP-MS La ppm	ICP-MS Th ppm	ICP-MS Ca %	ICP-MS K %	ICP-MS Mg %	ICP-MS Al %	ICP-MS S %	ICP-MS Ti %	ICP-MS Na %	ICP-MS P %	ICP-MS Hg ppm	ICP-MS Sc ppm	ICP-MS Tl ppm	ICP-MS Ga ppm	ICP-MS Se ppm	ICP-MS B ppm
636 S 245	0.3	82	70	11	1.6	2.86	0.14	1.07	1.82	<0.05	0.090	0.030	0.075	0.06	8.9	0.1	5	<0.5	2
636 S 246	0.6	86	24	13	1.6	0.32	0.07	0.84	1.44	<0.05	0.072	0.013	0.100	0.18	9.3	0.2	4	<0.5	2
636 S 247	1.2	92	28	19	0.1	0.59	0.07	0.64	2.20	<0.05	0.017	0.028	0.172	0.06	1.9	0.3	8	1.0	3
636 S 248	0.6	91	38	9	0.1	0.79	0.12	0.56	1.66	<0.05	0.017	0.007	0.183	0.08	2.1	0.2	6	0.6	3
636 S 251	0.5	112	22	7	0.4	0.45	0.19	0.56	1.72	<0.05	0.005	0.003	0.103	0.02	2.6	0.1	5	<0.5	2
636 S 252	0.3	92	25	9	1.1	0.32	0.08	1.08	2.02	<0.05	0.025	0.012	0.026	0.08	6.7	0.2	5	<0.5	1
636 S 253	0.9	74	19	12	0.8	0.27	0.07	0.60	1.70	<0.05	0.053	0.039	0.060	0.10	3.3	0.2	7	<0.5	2
636 S 254	0.9	73	32	19	0.4	0.63	0.06	0.59	2.15	0.07	0.032	0.010	0.190	0.08	3.5	0.3	7	0.9	2
636 S 255	0.9	64	92	16	0.4	0.94	0.05	0.61	1.69	<0.05	0.021	0.010	0.100	0.08	4.9	0.2	5	0.6	5
636 S 256	0.7	79	14	11	0.3	0.14	0.05	0.46	3.17	<0.05	0.048	0.009	0.089	0.10	2.9	0.2	11	0.6	1
636 S 257	1.0	59	9	18	0.9	0.09	0.05	0.39	2.54	<0.05	0.081	0.015	0.053	0.07	2.9	0.1	16	<0.5	3
636 S 258	0.5	84	29	12	1.7	0.36	0.07	0.92	2.11	<0.05	0.133	0.017	0.045	0.03	6.8	0.1	6	<0.5	3
636 S 259	0.6	111	25	15	2.5	0.45	0.06	0.57	1.01	<0.05	0.067	0.019	0.092	1.13	15.0	0.3	4	<0.5	3
636 S 260	0.8	85	16	20	3.1	0.19	0.08	0.37	0.81	<0.05	0.018	0.008	0.140	0.48	18.6	1.4	3	0.6	2
636 S 261	0.5	118	18	11	2.2	0.27	0.03	5.25	2.68	<0.05	0.057	0.009	0.059	0.04	16.6	0.1	7	<0.5	5
636 S 263	0.5	67	16	16	1.3	0.20	0.03	1.06	1.96	<0.05	0.093	0.008	0.050	0.06	5.3	0.1	5	<0.5	1
636 S 264	0.5	62	5	8	0.1	0.11	0.08	0.06	0.85	<0.05	0.003	0.002	0.128	0.03	0.7	0.1	3	<0.5	1
636 S 265	0.8	115	7	10	0.2	0.07	0.05	0.31	2.16	<0.05	0.024	0.005	0.101	0.41	3.5	0.4	9	0.6	1
636 S 266	0.8	140	8	10	0.3	0.15	0.04	0.18	1.48	<0.05	0.007	0.003	0.151	0.74	4.9	1.7	5	2.3	1
636 S 267	0.9	75	13	15	0.8	0.16	0.07	1.21	3.23	<0.05	0.122	0.012	0.065	0.04	6.3	0.1	10	0.9	1
636 S 268	0.8	66	12	11	0.8	0.15	0.05	0.63	2.63	<0.05	0.102	0.012	0.058	0.04	3.9	<0.1	10	0.5	1
636 S 269	1.1	64	20	12	1.1	0.53	0.04	0.92	2.36	<0.05	0.115	0.013	0.069	0.07	4.4	<0.1	8	<0.5	3
636 S 270	0.7	71	14	11	1.0	0.26	0.03	0.80	2.44	<0.05	0.125	0.010	0.062	0.05	3.8	0.1	9	<0.5	2
636 S 271	1.1	87	11	18	1.9	0.15	0.06	0.61	2.20	<0.05	0.052	0.018	0.073	0.03	8.1	0.1	10	<0.5	6
636 S 272	0.7	117	20	14	2.2	0.29	0.05	2.44	2.39	<0.05	0.096	0.020	0.072	0.05	16.4	0.1	8	<0.5	3
636 S 273	0.7	128	21	16	2.0	0.28	0.06	2.54	2.53	<0.05	0.104	0.026	0.082	0.12	16.7	0.1	8	<0.5	3
636 S 274	1.5	61	14	28	1.6	0.20	0.07	0.55	2.44	<0.05	0.174	0.073	0.087	0.08	4.3	0.1	11	0.5	1
636 S 275	1.8	27	6	29	1.7	0.09	0.09	0.14	1.62	<0.05	0.133	0.137	0.062	0.06	1.6	0.1	10	0.5	2
636 S 276	3.2	18	5	42	9.2	0.07	0.07	0.14	4.28	<0.05	0.104	0.055	0.050	0.06	1.9	0.2	24	1.0	1
636 S 277	0.9	92	16	13	1.6	0.20	0.07	0.56	2.09	<0.05	0.252	0.053	0.082	0.04	3.1	0.1	10	0.5	1
636 S 278	0.2	77	12	9	1.3	0.25	0.19	0.10	0.55	<0.05	0.001	0.004	0.065	0.02	14.2	<0.1	1	<0.5	1
636 S 279	3.4	84	18	27	2.0	0.21	0.07	0.65	2.97	<0.05	0.137	0.027	0.105	0.04	6.4	0.2	13	0.8	1
636 S 280	0.8	88	19	19	0.9	0.29	0.06	0.94	2.55	<0.05	0.142	0.026	0.090	0.05	5.4	0.1	8	<0.5	1
636 S 281	0.9	81	18	15	0.6	0.24	0.05	0.64	2.34	<0.05	0.105	0.015	0.089	0.05	4.2	0.1	8	0.8	2
636 S 282	1.9	71	217	28	0.3	1.63	0.06	0.41	2.60	0.15	0.056	0.013	0.214	0.07	3.7	0.2	9	2.8	3

Lab Report #	SAMPLE ID	ICP-MS Au ppb	ICP-MS Ag ppm	ICP-MS As ppm	ICP-MS Sb ppm	ICP-MS Cu ppm	ICP-MS Pb ppm	ICP-MS Zn ppm	ICP-MS Bi ppm	ICP-MS Cd ppm	ICP-MS Mo ppm	ICP-MS Ni ppm	ICP-MS Co ppm	ICP-MS Ba ppm	ICP-MS W ppm	ICP-MS Cr ppm	ICP-MS Fe %	ICP-MS Mn ppm
a502507	636 S 283	2.4	0.1	7.6	1.1	26.4	8.2	114	0.1	0.4	3.2	41.2	6.9	384	0.2	39.9	3.26	452
a502507	636 S 284	5.4	0.1	10.3	0.8	20.1	11.3	128	0.3	0.2	3.1	29.1	5.1	130	0.2	27.6	4.00	335
a502507	636 S 285	32.4	0.2	23.9	3.0	41.4	10.5	137	0.1	0.3	1.9	55.0	12.0	205	0.1	43.5	4.23	597
a502507	636 S 286	15.1	0.1	33.7	5.8	50.7	7.6	83	0.1	0.2	0.8	69.8	18.0	106	0.1	43.8	4.33	937
a502507	636 S 287	19.4	0.3	25.4	2.9	71.3	37.8	103	0.2	0.1	1.8	61.8	15.0	197	0.3	43.3	4.36	778
a502507	636 S 288	11.6	0.1	17.1	1.9	55.8	11.4	112	0.1	0.2	1.7	61.9	15.0	145	0.2	46.4	4.13	810
a502507	636 S 292	540.8	0.9	837.2	118.4	597.9	27.5	254	<0.1	2.3	0.7	1179.3	139.8	71	0.3	329.1	8.52	1322
a502507	636 S 293	22.2	0.3	111.4	23.2	80.4	21.4	205	0.1	0.7	1.6	125.1	20.6	134	0.2	40.5	7.66	1111
a502507	636 S 294	69.2	0.2	115.6	23.2	59.2	43.9	311	0.1	1.4	2.7	125.5	19.6	338	0.1	28.8	7.15	1278
a502507	636 S 295	24.0	0.3	308.8	39.2	137.8	14.4	129	0.1	0.6	2.9	1074.2	104.3	339	0.2	202.1	7.55	1460
a502507	636 S 296	4.3	0.1	23.3	2.8	32.7	7.0	82	0.1	0.2	1.7	71.5	9.6	215	0.1	36.4	4.09	382
a502507	636 S 297	10.0	0.1	141.4	10.3	60.7	14.0	75	0.1	0.1	3.6	28.1	5.7	87	0.2	41.0	5.24	116
a502507	636 S 298	4.7	0.1	31.3	3.1	68.2	12.0	84	0.1	0.2	6.3	38.1	25.4	215	0.2	21.0	6.44	1578
a502507	636 S 299	9.3	0.1	14.9	1.5	39.9	10.0	85	0.2	0.1	2.5	28.2	9.5	246	0.1	21.5	3.98	728
a502507	636 S 300	2.0	0.1	12.5	0.9	24.1	7.0	82	0.2	0.3	2.8	15.4	8.7	70	0.2	27.8	4.47	675
a502507	636 S 301	4.3	0.1	8.0	0.7	15.8	8.1	87	0.2	0.7	3.0	10.0	5.5	139	0.3	16.3	3.31	748
a502507	636 S 302	5.3	0.1	12.1	1.1	34.3	4.5	77	0.1	0.3	3.8	53.0	10.7	219	<0.1	33.5	3.86	550
a502507	636 S 303	3.4	0.1	3.3	0.7	20.3	6.4	113	0.1	0.2	1.4	13.7	6.2	326	<0.1	24.3	2.72	490
a502507	636 S 304	11.0	0.1	7.3	0.5	14.7	8.3	86	0.3	0.2	3.0	11.0	5.6	54	0.3	15.3	3.66	485
a502507	636 S 305	1.3	0.1	4.0	0.5	24.9	3.1	70	0.1	0.1	1.1	16.5	14.1	71	0.1	26.7	3.46	793
a502507	636 S 306	4.5	0.1	21.0	2.5	56.0	8.0	110	0.1	0.2	3.5	27.2	8.5	171	0.2	24.5	3.80	296
a502507	636 S 307	52.7	0.5	66.1	9.5	76.8	13.7	173	0.1	0.7	4.0	108.8	24.1	158	0.2	72.8	5.60	1441
a502507	636 S 308	497.6	1.2	101.8	6.2	79.4	14.1	122	0.1	0.1	4.1	69.5	9.1	119	0.2	50.2	4.09	268
a502507	636 S 309	13.7	0.1	7.2	1.1	20.5	8.2	93	0.2	0.2	1.3	23.5	7.5	149	0.1	26.0	3.49	359
a502507	636 S 310	1071.5	0.8	99.7	6.2	49.6	11.5	80	0.1	0.2	2.9	38.6	14.9	134	0.3	36.1	3.93	759
a502507	636 S 311	13.4	0.1	1.5	0.1	67.3	25.4	15	<0.1	0.1	0.5	10.3	9.4	23	0.3	21.0	0.85	216
a502507	636 S 312	3.6	<0.1	4.0	0.3	38.8	6.2	74	0.1	0.2	1.4	32.5	17.9	82	0.1	37.5	3.92	912
a502507	636 S 313	9.7	<0.1	6.7	0.6	14.7	9.1	73	0.3	0.1	3.2	12.4	8.1	157	0.3	23.8	4.53	727
a502507	636 S 314	5.2	0.1	4.1	0.5	26.1	8.9	68	0.1	0.2	2.7	19.3	11.7	269	0.1	31.1	3.24	454
a502507	636 S 315	12.7	0.1	5.4	0.5	16.6	9.1	107	0.1	0.2	4.1	16.9	9.0	514	0.1	27.2	3.23	845
a502507	636 S 316	13.6	0.1	6.4	0.5	12.6	12.7	114	0.4	0.1	4.5	13.7	5.0	351	0.1	21.2	4.06	449
a502507	636 S 317	1.8	0.1	3.3	0.5	17.9	4.1	55	0.1	0.1	1.8	19.8	10.7	164	0.1	27.5	2.77	417
a502507	636 S 318	13.5	0.1	5.3	0.3	11.0	7.6	58	0.2	0.2	3.9	9.1	4.4	31	0.3	18.4	3.16	325
a502507	636 S 319	3.9	<0.1	4.3	0.3	23.9	7.0	97	0.2	0.1	1.5	21.1	10.6	312	0.1	35.0	3.56	398
a502507	636 S 320	4.7	<0.1	3.9	0.4	28.3	5.7	80	0.1	0.2	1.2	25.2	13.7	123	0.1	37.8	3.41	596

SAMPLE ID	ICP-MS U ppm	ICP-MS V ppm	ICP-MS Sr ppm	ICP-MS La ppm	ICP-MS Th ppm	ICP-MS Ca %	ICP-MS K %	ICP-MS Mg %	ICP-MS Al %	ICP-MS S %	ICP-MS Ti %	ICP-MS Na %	ICP-MS P %	ICP-MS Hg ppm	ICP-MS Sc ppm	ICP-MS Tl ppm	ICP-MS Ga ppm	ICP-MS Se ppm	ICP-MS B ppm
636 S 283	1.5	61	60	19	0.2	0.51	0.10	0.49	2.01	0.11	0.013	0.022	0.236	0.05	1.3	0.2	8	3.0	3
636 S 284	1.0	46	13	19	0.4	0.13	0.05	0.28	2.90	0.07	0.021	0.017	0.137	0.05	1.3	0.2	16	2.2	2
636 S 285	1.3	69	29	21	2.4	0.34	0.11	0.76	2.02	<0.05	0.079	0.038	0.134	0.03	5.5	0.2	8	0.9	3
636 S 286	0.6	81	18	13	1.1	0.22	0.06	0.99	2.26	<0.05	0.065	0.011	0.072	0.08	5.6	0.2	6	0.9	1
636 S 287	1.3	64	20	23	1.3	0.25	0.07	0.76	2.57	<0.05	0.064	0.017	0.082	0.06	5.7	0.2	10	<0.5	<1
636 S 288	0.9	92	23	18	1.8	0.33	0.11	0.84	2.12	<0.05	0.068	0.026	0.113	0.05	6.1	0.2	8	0.7	2
636 S 292	0.9	90	97	3	0.3	7.79	0.05	3.48	0.43	0.34	0.002	0.005	0.053	9.89	16.3	0.6	1	<0.5	2
636 S 293	0.5	72	22	13	1.3	1.88	0.09	1.42	1.52	<0.05	0.041	0.015	0.102	0.18	7.6	0.2	5	<0.5	3
636 S 294	0.8	57	14	19	1.1	1.19	0.07	0.48	1.36	0.07	0.025	0.016	0.128	0.21	5.2	0.3	5	0.6	4
636 S 295	0.5	99	75	8	0.7	3.17	0.12	1.80	0.98	<0.05	0.005	0.006	0.091	0.74	15.0	0.8	3	<0.5	3
636 S 296	0.8	64	20	19	0.7	0.33	0.06	0.49	2.26	<0.05	0.062	0.015	0.108	0.08	4.2	0.2	10	<0.5	1
636 S 297	0.9	74	5	9	0.4	0.08	0.07	0.16	2.25	<0.05	0.003	0.005	0.125	0.16	3.6	1.1	7	0.6	2
636 S 298	1.0	59	12	20	0.4	0.13	0.09	0.34	1.58	<0.05	0.027	0.037	0.122	0.06	3.6	0.3	6	1.9	1
636 S 299	2.5	47	19	40	0.9	0.33	0.05	0.30	2.40	0.13	0.035	0.015	0.156	0.16	3.0	0.2	9	3.2	1
636 S 300	0.9	64	11	21	0.2	0.12	0.06	0.40	2.07	0.07	0.037	0.012	0.097	0.05	1.8	0.1	12	0.6	1
636 S 301	1.1	41	13	19	0.2	0.19	0.07	0.21	1.81	0.1	0.050	0.026	0.143	0.05	1.0	0.1	14	0.5	1
636 S 302	0.8	62	28	19	1.4	0.48	0.11	0.73	1.88	<0.05	0.087	0.019	0.043	0.09	6.8	0.3	5	1.0	2
636 S 303	1.2	36	43	22	0.9	1.11	0.07	0.41	1.73	0.21	0.106	0.023	0.098	0.09	4.0	0.1	6	3.9	1
636 S 304	1.2	33	9	22	1.6	0.12	0.06	0.32	2.57	<0.05	0.084	0.023	0.070	0.07	2.3	0.1	15	0.5	<1
636 S 305	0.6	61	20	19	1.6	0.26	0.09	0.72	2.34	<0.05	0.124	0.013	0.081	0.05	5.2	<0.1	6	<0.5	1
636 S 306	1.0	56	19	19	1.1	0.37	0.09	0.40	1.72	<0.05	0.034	0.019	0.088	0.08	5.2	0.2	7	1.5	1
636 S 307	0.9	74	17	15	0.7	0.45	0.08	0.51	1.39	<0.05	0.021	0.014	0.080	0.34	6.3	0.3	5	1.6	2
636 S 308	0.7	67	14	10	0.7	0.33	0.08	0.54	1.28	<0.05	0.011	0.013	0.084	0.29	5.6	0.4	4	0.9	1
636 S 309	2.5	53	17	40	3.2	0.22	0.04	0.47	2.44	0.07	0.098	0.026	0.054	0.04	3.8	0.1	11	0.7	3
636 S 310	1.2	75	23	17	0.8	0.22	0.04	0.51	1.95	0.07	0.034	0.019	0.064	0.25	5.0	0.6	7	1.1	2
636 S 311	0.2	21	16	2	0.3	0.13	0.02	0.35	0.53	<0.05	0.022	0.003	0.019	<0.01	1.4	<0.1	1	<0.5	3
636 S 312	0.9	76	17	21	2.4	0.20	0.04	0.89	2.36	<0.05	0.206	0.033	0.076	0.02	6.9	0.1	8	<0.5	1
636 S 313	1.2	56	7	18	1.3	0.10	0.05	0.28	2.09	<0.05	0.112	0.024	0.074	0.05	2.9	0.1	15	0.9	2
636 S 314	1.1	54	18	20	1.1	0.27	0.05	0.50	2.08	<0.05	0.092	0.028	0.059	0.03	4.8	0.1	7	0.6	2
636 S 315	9.8	38	43	30	1.8	0.54	0.06	0.45	2.35	0.08	0.103	0.065	0.071	0.03	3.1	0.1	7	1.3	4
636 S 316	4.6	32	24	38	2.0	0.40	0.06	0.32	2.96	0.06	0.083	0.030	0.079	0.05	3.1	0.1	16	0.9	1
636 S 317	1.4	46	16	15	1.2	0.21	0.05	0.54	1.42	<0.05	0.067	0.018	0.046	0.03	5.1	<0.1	4	<0.5	<1
636 S 318	1.6	30	6	22	1.1	0.08	0.05	0.28	2.44	<0.05	0.103	0.032	0.069	0.05	1.6	0.1	18	0.8	2
636 S 319	3.0	56	49	27	3.0	0.37	0.06	0.64	2.52	<0.05	0.146	0.024	0.065	0.03	6.0	0.1	10	<0.5	2
636 S 320	1.0	62	16	23	2.7	0.18	0.06	0.75	2.16	<0.05	0.157	0.033	0.072	0.01	6.3	0.1	7	<0.5	<1

Lab Report #	SAMPLE ID	ICP-MS Au ppb	ICP-MS Ag ppm	ICP-MS As ppm	ICP-MS Sb ppm	ICP-MS Cu ppm	ICP-MS Pb ppm	ICP-MS Zn ppm	ICP-MS Bi ppm	ICP-MS Cd ppm	ICP-MS Mo ppm	ICP-MS Ni ppm	ICP-MS Co ppm	ICP-MS Ba ppm	ICP-MS W ppm	ICP-MS Cr ppm	ICP-MS Fe %	ICP-MS Mn ppm
a502507	636 S 321	4.9	0.1	3.5	0.4	31.9	5.0	78	0.1	0.1	1.2	27.2	14.6	231	0.1	36.5	3.74	746
a502507	636 S 322	2.2	0.1	4.4	0.4	78.6	4.9	67	0.1	0.1	2.4	35.0	21.8	285	<0.1	71.4	7.06	1577
a502507	636 S 323	1.7	<0.1	4.5	0.5	34.1	5.5	71	0.1	0.1	1.0	26.9	14.2	169	0.1	37.0	3.84	791
a502507	636 S 324	12.7	0.1	7.1	0.5	12.9	11.1	111	0.6	0.2	2.1	13.5	4.4	528	0.4	20.0	4.66	243
a502507	636 S 325	14.3	0.1	3.7	0.4	10.3	5.0	58	0.1	0.1	2.8	4.7	3.9	182	0.4	7.3	2.70	1067
a502507	636 S 326	7.4	0.2	5.6	0.7	20.4	7.9	79	0.2	0.2	2.8	8.4	6.2	99	0.1	23.0	4.39	684
a502507	636 S 327	55.9	0.1	4.5	0.6	12.8	11.2	117	0.3	0.2	2.2	13.0	4.9	685	0.1	13.8	4.33	680
a502507	636 S 328	1.4	<0.1	3.9	0.5	17.2	4.0	63	0.1	0.1	1.3	22.2	10.5	212	0.1	33.7	3.77	396
a502507	636 S 329	4.7	0.1	3.0	0.3	22.4	3.4	64	0.1	0.2	1.6	21.1	11.5	184	0.1	32.0	3.24	607
a502507	636 S 330	1.3	0.1	3.0	0.2	23.4	11.0	93	0.1	0.2	2.4	30.7	15.4	455	0.1	45.5	4.34	573
a502507	636 S 331	3.2	0.1	3.6	0.3	23.5	3.4	61	<0.1	0.2	2.0	18.8	11.6	48	0.1	33.2	3.35	587
a502507	636 S 332	1.4	<0.1	2.2	0.3	11.0	3.9	127	0.1	0.1	1.9	26.0	12.7	525	0.1	55.9	2.83	288
a502507	636 S 333	9.0	0.1	4.6	0.3	14.0	9.3	81	0.2	0.2	4.4	11.4	5.1	336	0.2	23.6	3.57	348
a502507	636 S 335	<0.5	0.1	7.7	0.4	23.5	7.3	82	0.2	0.3	2.1	20.7	10.7	79	0.3	27.7	4.25	516
a502507	636 S 336	7.2	0.1	3.6	0.3	17.2	13.9	65	0.2	0.2	2.9	12.1	5.7	144	0.2	21.0	2.09	123
a502507	636 S 337	2.9	0.1	2.9	0.4	22.1	5.8	73	0.1	0.2	0.8	18.5	11.2	240	0.1	32.9	1.86	273
a502507	636 S 338	15.7	0.1	4.9	0.5	12.5	8.9	92	0.3	0.2	2.9	10.5	4.7	261	0.3	17.4	3.72	229
a502507	636 S 339	5.5	0.1	3.5	0.3	8.4	10.2	51	0.2	0.2	3.3	5.2	3.2	83	0.3	14.8	2.79	247
a502507	636 S 340	3.5	0.1	3.1	0.8	33.7	4.3	47	0.1	0.1	0.9	18.9	10.1	194	0.1	30.0	3.20	465
a502507	636 S 341	2.7	0.1	2.4	0.4	5.2	16.1	42	0.1	0.1	2.6	8.8	1.8	201	0.1	18.4	1.41	122
a502507	636 S 342	4.8	0.1	4.1	0.8	14.1	12.1	122	0.1	0.2	3.4	15.0	6.2	661	0.1	20.5	3.84	620
a502507	636 S 343	3.0	<0.1	1.5	0.3	6.4	6.6	51	0.1	<0.1	1.3	5.2	3.0	1219	<0.1	9.4	2.59	358
a502507	636 S 344	7.6	0.1	2.4	0.4	30.1	4.5	51	<0.1	0.1	1.0	30.8	14.5	492	0.1	52.0	3.43	680
a502507	636 S 345	3.7	0.1	5.3	0.8	19.8	7.3	107	0.2	0.1	1.0	24.7	7.7	400	0.1	32.8	3.36	437
a502507	636 S 346	6.3	<0.1	5.3	0.4	30.7	5.6	83	0.2	0.2	1.2	27.6	13.5	404	0.2	33.4	3.91	535
a502507	636 S 347	4.1	<0.1	3.4	0.4	19.3	4.6	61	0.1	0.1	1.0	21.1	10.3	142	0.1	29.1	3.58	422
a502507	636 S 348	2.2	0.1	2.7	0.4	30.7	3.3	69	0.1	0.1	0.7	28.8	16.0	261	0.1	37.4	3.52	799
a502507	636 S 349	7.5	<0.1	3.4	0.4	12.4	5.2	53	0.1	0.1	4.0	15.4	6.9	404	0.1	25.1	2.91	330
a502507	636 S 350	0.8	0.1	3.5	0.5	27.7	6.8	61	0.1	0.1	2.1	28.8	12.7	279	0.1	39.5	3.74	591
a502507	636 S 351	6.8	<0.1	3.2	0.5	27.4	4.2	103	0.1	0.3	0.5	17.6	5.6	135	0.1	39.1	1.58	170
a502507	636 S 352	1.8	<0.1	3.7	0.4	31.0	3.0	63	<0.1	0.1	1.5	28.9	20.6	522	0.1	42.6	3.83	846
a502507	636 S 353	14.2	0.2	3.8	0.2	18.8	9.2	88	0.3	0.2	0.6	24.6	10.1	678	0.3	11.0	1.92	100
a502507	636 S 354	9.8	0.1	11.5	0.5	25.1	14.3	105	0.4	0.3	5.2	6.6	3.4	39	0.7	10.8	4.98	643
a502507	636 S 355	3.7	0.1	3.7	0.4	40.7	4.5	72	0.1	0.1	1.0	27.9	16.1	146	0.1	43.4	4.43	765
a502507	636 S 356	7.7	<0.1	6.1	0.4	30.2	7.2	96	0.2	0.2	3.0	20.8	12.3	51	0.2	27.9	4.27	631

SAMPLE ID	ICP-MS U ppm	ICP-MS V ppm	ICP-MS Sr ppm	ICP-MS La ppm	ICP-MS Th ppm	ICP-MS Ca %	ICP-MS K %	ICP-MS Mg %	ICP-MS Al %	ICP-MS S %	ICP-MS Ti %	ICP-MS Na %	ICP-MS P %	ICP-MS Hg ppm	ICP-MS Sc ppm	ICP-MS Tl ppm	ICP-MS Ga ppm	ICP-MS Se ppm	ICP-MS B ppm
636 S 321	1.3	61	18	22	3.0	0.27	0.07	0.95	2.29	<0.05	0.149	0.039	0.062	0.01	6.4	<0.1	8	<0.5	2
636 S 322	0.8	85	15	19	0.4	0.26	0.05	0.46	2.19	<0.05	0.017	0.008	0.097	0.05	9.8	<0.1	6	<0.5	<1
636 S 323	0.7	71	14	12	1.3	0.16	0.08	0.73	2.43	<0.05	0.061	0.015	0.049	0.04	6.1	0.1	8	0.5	1
636 S 324	1.6	31	10	26	1.5	0.24	0.05	0.27	2.94	<0.05	0.052	0.019	0.056	0.06	2.6	0.2	18	0.6	<1
636 S 325	1.6	19	5	18	1.8	0.07	0.11	0.16	1.35	<0.05	0.076	0.131	0.045	0.03	1.3	0.1	8	<0.5	<1
636 S 326	1.4	56	6	18	0.4	0.06	0.04	0.25	2.36	<0.05	0.082	0.008	0.079	0.09	2.0	0.1	13	0.7	<1
636 S 327	9.1	25	24	51	1.5	0.85	0.05	0.26	2.59	0.1	0.040	0.015	0.116	0.07	4.4	0.1	8	1.0	<1
636 S 328	1.0	58	18	10	1.0	0.32	0.04	0.75	1.93	<0.05	0.098	0.014	0.044	0.04	3.6	<0.1	9	<0.5	<1
636 S 329	1.5	49	21	19	1.1	0.28	0.03	0.56	2.87	<0.05	0.099	0.019	0.068	0.04	4.4	<0.1	7	0.8	<1
636 S 330	1.7	90	40	16	2.1	0.48	0.04	0.86	3.11	<0.05	0.155	0.022	0.060	0.02	5.3	<0.1	9	<0.5	<1
636 S 331	1.0	58	11	30	1.2	0.12	0.03	0.69	2.85	<0.05	0.132	0.011	0.053	0.04	5.2	<0.1	6	0.6	<1
636 S 332	4.5	70	38	16	1.7	0.42	0.03	0.99	2.27	<0.05	0.042	0.016	0.047	0.03	5.8	0.1	8	<0.5	<1
636 S 333	5.3	41	28	43	1.5	0.28	0.04	0.29	2.72	0.06	0.121	0.035	0.057	0.04	3.4	0.1	16	0.8	<1
636 S 335	2.8	40	9	46	6.4	0.12	0.05	0.64	3.99	<0.05	0.134	0.027	0.044	0.05	5.2	0.1	13	1.1	<1
636 S 336	2.0	37	11	26	1.0	0.17	0.04	0.27	1.87	0.06	0.086	0.048	0.062	0.04	2.5	0.1	11	0.8	<1
636 S 337	1.2	55	18	24	2.0	0.30	0.04	0.44	1.65	<0.05	0.133	0.025	0.057	0.03	6.0	0.1	7	0.5	<1
636 S 338	5.6	25	9	54	4.5	0.17	0.04	0.17	2.87	<0.05	0.115	0.029	0.069	0.04	3.2	0.2	17	1.2	<1
636 S 339	1.5	36	6	22	1.4	0.07	0.04	0.13	1.82	<0.05	0.153	0.020	0.055	0.06	1.7	0.1	14	0.5	<1
636 S 340	0.9	48	11	12	1.9	0.11	0.05	0.55	2.22	<0.05	0.057	0.009	0.040	0.05	5.3	<0.1	5	<0.5	<1
636 S 341	1.3	29	4	18	0.5	0.05	0.04	0.05	1.30	<0.05	0.102	0.015	0.047	0.06	1.0	0.1	10	0.6	<1
636 S 342	3.2	38	22	42	1.2	0.38	0.07	0.27	2.05	0.14	0.071	0.018	0.111	0.05	3.8	0.1	7	0.7	<1
636 S 343	1.9	15	19	23	0.9	0.51	0.08	0.15	1.67	0.11	0.008	0.007	0.125	0.04	2.0	0.1	4	<0.5	2
636 S 344	2.6	59	29	17	1.5	0.35	0.05	0.91	1.58	<0.05	0.108	0.018	0.033	0.08	8.0	<0.1	4	<0.5	2
636 S 345	3.3	42	35	45	1.6	0.46	0.05	1.04	2.31	0.06	0.066	0.013	0.053	0.06	4.1	0.1	9	0.6	2
636 S 346	1.1	55	18	22	2.5	0.31	0.06	0.78	3.41	<0.05	0.105	0.016	0.038	0.04	6.5	0.1	10	<0.5	2
636 S 347	1.0	53	17	19	1.0	0.35	0.03	0.69	2.50	0.07	0.122	0.012	0.062	0.04	3.9	0.1	9	<0.5	2
636 S 348	5.1	64	43	13	1.6	0.40	0.04	0.85	1.32	<0.05	0.178	0.025	0.077	0.03	6.6	<0.1	4	<0.5	2
636 S 349	3.4	42	22	21	0.8	0.23	0.06	0.38	1.85	<0.05	0.034	0.028	0.055	0.04	3.1	0.1	6	<0.5	2
636 S 350	1.8	62	22	16	2.0	0.22	0.05	0.76	2.37	<0.05	0.075	0.012	0.041	0.04	5.6	0.1	6	<0.5	1
636 S 351	1.4	59	16	18	3.5	0.19	0.03	0.42	2.11	<0.05	0.192	0.020	0.033	0.02	7.5	0.1	7	<0.5	2
636 S 352	1.8	99	29	12	1.6	0.42	0.03	0.87	1.61	<0.05	0.194	0.025	0.055	0.02	8.7	<0.1	5	<0.5	1
636 S 353	2.8	30	10	57	6.0	0.15	0.06	0.15	3.30	<0.05	0.007	0.028	0.043	0.06	4.7	0.3	16	0.5	1
636 S 354	5.1	18	3	38	6.1	0.04	0.06	0.17	5.94	<0.05	0.074	0.034	0.059	0.08	3.4	0.1	25	0.9	1
636 S 355	0.8	83	19	24	2.4	0.19	0.07	1.01	3.09	<0.05	0.211	0.016	0.053	0.03	8.9	<0.1	9	<0.5	1
636 S 356	2.0	63	10	23	3.3	0.11	0.05	0.69	3.62	<0.05	0.163	0.027	0.048	0.05	4.9	0.1	12	0.6	1

Lab Report #	SAMPLE ID	ICP-MS Au ppb	ICP-MS Ag ppm	ICP-MS As ppm	ICP-MS Sb ppm	ICP-MS Cu ppm	ICP-MS Pb ppm	ICP-MS Zn ppm	ICP-MS Bi ppm	ICP-MS Cd ppm	ICP-MS Mo ppm	ICP-MS Ni ppm	ICP-MS Co ppm	ICP-MS Ba ppm	ICP-MS W ppm	ICP-MS Cr ppm	ICP-MS Fe %	ICP-MS Mn ppm
a502507	**636 S 357**	8.5	0.1	5.2	0.3	30.8	7.3	82	0.2	0.1	1.7	19.8	7.0	473	0.2	28.3	3.80	310
a502507	**636 S 358**	2.0	0.1	3.0	0.3	19.7	4.6	85	0.2	0.1	1.1	30.7	11.6	369	0.1	33.6	3.43	659
a502507	**636 S 359**	2.3	<0.1	2.7	0.4	42.6	3.0	89	<0.1	0.1	0.5	37.8	22.3	367	0.1	53.3	4.49	989
a502507	**636 S 360**	2.2	<0.1	3.0	0.3	19.4	4.4	71	0.1	0.1	0.9	21.4	10.1	205	0.1	33.4	3.32	413
a502507	**636 S 361**	2.8	0.1	4.7	0.3	15.3	6.7	63	0.2	0.1	2.9	12.4	7.1	59	0.2	28.2	3.46	301
a502507	**636 S 362**	2.9	<0.1	4.8	0.4	35.4	6.1	77	0.1	0.2	1.6	26.6	17.6	49	0.1	34.5	3.86	900
a502507	**636 S 363**	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*

SAMPLE ID	ICP-MS U ppm	ICP-MS V ppm	ICP-MS Sr ppm	ICP-MS La ppm	ICP-MS Th ppm	ICP-MS Ca %	ICP-MS K %	ICP-MS Mg %	ICP-MS Al %	ICP-MS S %	ICP-MS Ti %	ICP-MS Na %	ICP-MS P %	ICP-MS Hg ppm	ICP-MS Sc ppm	ICP-MS Tl ppm	ICP-MS Ga ppm	ICP-MS Sc ppm	ICP-MS B ppm
636 S 357	6.4	51	43	36	3.4	0.29	0.05	0.54	2.81	<0.05	0.092	0.016	0.036	0.04	6.6	0.1	11	0.7	1
636 S 358	1.6	57	24	15	2.1	0.27	0.05	0.77	1.95	<0.05	0.117	0.020	0.049	0.02	4.9	<0.1	6	<0.5	2
636 S 359	0.6	85	53	13	2.1	1.30	0.11	1.58	2.03	0.06	0.184	0.058	0.082	0.02	7.8	<0.1	6	<0.5	2
636 S 360	1.8	59	18	15	1.0	0.25	0.05	0.73	3.05	0.09	0.104	0.013	0.055	0.02	4.8	0.1	8	0.5	1
636 S 361	1.3	58	12	11	1.2	0.13	0.05	0.48	2.12	0.11	0.132	0.020	0.069	0.05	2.8	0.1	11	0.5	1
636 S 362	0.8	66	13	17	2.4	0.15	0.05	0.89	3.50	<0.05	0.119	0.013	0.069	0.05	6.0	<0.1	7	0.8	1
636 S 363	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*	*nss*

Lab Report #	SAMPLE ID	ICP-MS Au ppb	ICP-MS Ag ppm	ICP-MS As ppm	ICP-MS Sb ppm	ICP-MS Cu ppm	ICP-MS Pb ppm	ICP-MS Zn ppm	ICP-MS Bi ppm	ICP-MS Cd ppm	ICP-MS Mo ppm	ICP-MS Ni ppm	ICP-MS Co ppm	ICP-MS Ba ppm	ICP-MS W ppm	ICP-MS Cr ppm	ICP-MS Fe %	ICP-MS Mn ppm
	Lab Duplicates:																	
a502507	**636 S 005**	10.8	<0.1	3.4	0.2	13.6	5.6	49	0.1	0.1	0.9	10.2	6.8	27	0.1	15.0	1.89	400
a502507	**RE 636 S 005**	10.9	<0.1	3.5	0.2	14.1	5.7	49	0.1	0.1	0.9	11.0	7.1	29	0.1	16.2	1.98	417
a502507	**636 S 040**	4.1	0.1	42.3	13.4	27.6	8.0	109	0.2	0.3	2.4	24.0	6.9	40	0.2	24.2	5.16	942
a502507	**RE 636 S 040**	7.8	0.1	44.2	13.5	27.8	8.1	112	0.2	0.3	2.4	24.6	7.0	40	0.2	25.6	5.22	979
a502507	**636 S 071**	4.7	<0.1	4.6	0.5	25.9	3.7	77	0.1	0.1	1.2	19.3	10.9	112	0.1	29.4	3.64	555
a502507	**RE 636 S 071**	4.7	<0.1	4.5	0.5	25.4	3.3	74	0.1	0.1	1.3	19.4	11.0	105	0.1	28.6	3.59	545
a502507	**636 S 105**	12.4	<0.1	8.6	0.5	9.8	9.4	80	0.4	0.2	3.9	10.5	6.7	90	0.5	14.5	4.87	753
a502507	**RE 636 S 105**	16.5	0.1	8.7	0.5	10.0	10.0	78	0.4	0.2	4.1	11.4	6.6	96	0.5	15.1	5.15	756
a502507	**636 S 157**	4.9	0.1	14.8	1.7	27.6	14.9	82	0.1	0.1	1.2	28.6	10.4	497	0.1	30.9	4.07	551
a502507	**RE 636 S 157**	5.1	0.1	15.7	1.7	28.1	12.1	81	0.1	0.1	1.3	29.8	10.6	509	0.1	31.2	4.03	568
a502507	**636 S 192**	10.6	<0.1	13.5	2.2	32.3	6.5	70	0.1	0.1	2.7	30.3	7.9	132	0.2	27.3	3.24	371
a502507	**RE 636 S 192**	7.6	<0.1	12.9	2.1	33.6	6.4	70	0.1	0.1	2.6	29.4	8.3	126	0.2	28.6	3.26	374
a502507	**636 S 230**	2.9	0.1	3.6	0.4	30.8	5.5	83	0.1	0.2	1.2	26.3	16.1	108	0.2	32.8	3.76	810
a502507	**RE 636 S 230**	2.8	0.1	4.0	0.4	30.5	5.8	86	0.1	0.2	1.1	26.6	16.4	104	0.2	33.9	3.83	832
a502507	**636 S 257**	5.4	0.1	11.5	1.2	16.4	8.6	88	0.2	0.2	2.5	14.4	6.6	95	0.2	24.7	3.99	705
a502507	**RE 636 S 257**	3.9	<0.1	11.1	1.1	15.4	8.5	81	0.2	0.1	2.5	11.9	6.3	93	0.2	22.2	3.67	664
a502507	**636 S 299**	9.3	0.1	14.9	1.5	39.9	10.0	85	0.2	0.1	2.5	28.2	9.5	246	0.1	21.5	3.98	728
a502507	**RE 636 S 299**	8.3	0.1	14.9	1.5	42.9	10.2	85	0.2	0.2	2.3	29.7	9.7	252	0.2	23.0	4.20	754
a502507	**636 S 315**	12.7	0.1	5.4	0.5	16.6	9.1	107	0.1	0.2	4.1	16.9	9.0	514	0.1	27.2	3.23	845
a502507	**RE 636 S 315**	12.4	<0.1	5.4	0.6	17.6	8.8	111	0.1	0.2	4.0	16.6	9.0	522	0.1	28.4	3.28	871
a502507	**636 S 344**	7.6	0.1	2.4	0.4	30.1	4.5	51	<0.1	0.1	1.0	30.8	14.5	492	0.1	52.0	3.43	680
a502507	**RE 636 S 344**	6.4	0.1	2.6	0.5	32.3	5.3	51	<0.1	0.1	0.9	32.5	15.5	513	<0.1	55.0	3.58	715

SAMPLE ID	ICP-MS U ppm	ICP-MS V ppm	ICP-MS Sr ppm	ICP-MS La ppm	ICP-MS Th ppm	ICP-MS Ca %	ICP-MS K %	ICP-MS Mg %	ICP-MS Al %	ICP-MS S %	ICP-MS Ti %	ICP-MS Na %	ICP-MS P %	ICP-MS Hg ppm	ICP-MS Sc ppm	ICP-MS Tl ppm	ICP-MS Ga ppm	ICP-MS Se ppm	ICP-MS B ppm
Lab Duplicates:																			
636 S 005	0.6	33	7	8	1.3	0.09	0.03	0.42	1.30	<0.05	0.090	0.016	0.031	0.01	2.7	<0.1	4	<0.5	3
RE 636 S 005	0.7	35	7	9	1.3	0.09	0.03	0.45	1.39	<0.05	0.095	0.016	0.034	0.01	2.8	<0.1	5	<0.5	4
636 S 040	0.9	59	8	11	0.9	0.09	0.06	0.27	1.74	0.06	0.102	0.015	0.066	0.11	2.1	0.2	11	0.5	3
RE 636 S 040	0.9	61	8	11	0.9	0.09	0.06	0.28	1.72	0.07	0.105	0.015	0.065	0.11	2.3	0.2	12	0.7	4
636 S 071	1.1	57	11	17	2.0	0.16	0.04	0.60	3.55	<0.05	0.091	0.013	0.069	0.04	5.6	<0.1	7	0.5	2
RE 636 S 071	1.1	57	11	16	1.9	0.15	0.04	0.60	3.56	<0.05	0.089	0.012	0.067	0.06	5.3	0.1	7	<0.5	1
636 S 105	2.5	27	8	34	3.6	0.13	0.04	0.21	3.55	<0.05	0.093	0.024	0.050	0.07	2.7	0.1	20	1.0	3
RE 636 S 105	2.8	28	7	36	3.8	0.13	0.04	0.22	3.71	<0.05	0.095	0.025	0.053	0.07	2.8	0.1	20	0.9	4
636 S 157	1.0	62	16	16	0.7	0.29	0.05	0.66	2.27	<0.05	0.032	0.012	0.071	0.07	3.1	0.1	8	<0.5	2
RE 636 S 157	0.9	62	16	18	0.7	0.31	0.05	0.67	2.35	<0.05	0.028	0.012	0.077	0.07	3.7	0.1	9	<0.5	2
636 S 192	0.9	51	14	16	1.1	0.24	0.07	0.49	1.87	<0.05	0.042	0.038	0.049	0.04	3.5	0.1	7	0.5	4
RE 636 S 192	0.9	52	14	16	1.0	0.24	0.08	0.48	1.79	<0.05	0.043	0.038	0.047	0.04	3.4	0.1	7	0.6	3
636 S 230	0.9	72	28	19	2.3	0.43	0.05	0.91	1.60	<0.05	0.198	0.036	0.064	0.02	4.8	0.1	7	<0.5	1
RE 636 S 230	0.8	76	28	18	2.3	0.44	0.05	0.89	1.57	<0.05	0.205	0.035	0.068	0.02	4.9	0.1	7	<0.5	<1
636 S 257	1.0	59	9	18	0.9	0.09	0.05	0.39	2.54	<0.05	0.081	0.015	0.053	0.07	2.9	0.1	16	<0.5	3
RE 636 S 257	1.0	54	9	17	0.9	0.09	0.05	0.37	2.46	<0.05	0.076	0.013	0.051	0.07	2.8	0.1	13	<0.5	1
636 S 299	2.5	47	19	40	0.9	0.33	0.05	0.30	2.40	0.13	0.035	0.015	0.156	0.16	3.0	0.2	9	3.2	1
RE 636 S 299	2.6	48	20	41	0.9	0.35	0.05	0.31	2.52	0.14	0.038	0.015	0.159	0.17	3.1	0.2	9	3.3	<1
636 S 315	9.8	38	43	30	1.8	0.54	0.06	0.45	2.35	0.08	0.103	0.065	0.071	0.03	3.1	0.1	7	1.3	4
RE 636 S 315	9.9	38	43	31	1.8	0.53	0.06	0.47	2.39	0.07	0.102	0.065	0.071	0.03	3.5	0.1	8	1.4	1
636 S 344	2.6	59	29	17	1.5	0.35	0.05	0.91	1.58	<0.05	0.108	0.018	0.033	0.08	8.0	<0.1	4	<0.5	2
RE 636 S 344	2.7	61	29	18	1.6	0.35	0.05	0.92	1.65	<0.05	0.111	0.018	0.033	0.08	8.6	<0.1	5	<0.5	2

Lab Report #	SAMPLE ID	ICP-MS Au ppb	ICP-MS Ag ppm	ICP-MS As ppm	ICP-MS Sb ppm	ICP-MS Cu ppm	ICP-MS Pb ppm	ICP-MS Zn ppm	ICP-MS Bi ppm	ICP-MS Cd ppm	ICP-MS Mo ppm	ICP-MS Ni ppm	ICP-MS Co ppm	ICP-MS Ba ppm	ICP-MS W ppm	ICP-MS Cr ppm	ICP-MS Fe %	ICP-MS Mn ppm
	Standard (DS6):																	
a502507	**STANDARD**	42.8	0.2	21.5	3.3	128.0	28.1	147	4.8	5.7	10.9	23.2	10.1	157	3.2	186.2	2.79	689
a502507	**STANDARD**	42.9	0.2	20.1	3.2	124.3	27.3	145	4.6	5.6	11.0	23.5	10.0	156	3.2	186.8	2.87	679
a502507	**STANDARD**	50.4	0.3	19.9	3.2	121.9	27.8	139	4.6	5.7	11.0	23.2	9.9	154	3.1	183.0	2.77	684
a502507	**STANDARD**	50.8	0.3	20.5	3.4	124.9	29.9	142	5.1	6.1	11.0	25.6	10.9	162	3.6	178.9	2.82	699
a502507	**STANDARD**	41.8	0.3	20.0	3.3	122.7	28.2	137	4.8	6.1	11.0	24.0	10.1	159	3.2	184.3	2.78	679
a502507	**STANDARD**	44.3	0.2	20.6	3.3	123.1	29.6	137	4.9	6.1	11.3	24.3	10.3	160	3.2	178.2	2.80	685
a502507	**STANDARD**	42.5	0.2	19.9	3.5	124.8	29.2	137	4.8	6.1	11.0	24.0	10.4	160	3.4	177.2	2.72	674
a502507	**STANDARD**	42.2	0.3	21.3	3.4	123.8	29.2	141	4.9	5.9	11.5	18.6	8.2	161	3.6	182.9	2.79	693
a502507	**STANDARD**	40.9	0.2	20.8	3.2	124.6	29.3	142	4.7	5.8	11.4	23.9	10.1	156	3.2	183.4	2.83	683
a502507	**STANDARD**	42.6	0.3	20.1	3.3	125.6	29.3	142	4.9	5.8	11.0	23.9	10.6	156	3.4	183.5	2.72	674
a502507	**STANDARD**	43.8	0.3	20.1	3.3	126.1	28.9	143	4.8	6.0	11.1	24.2	10.4	161	3.4	185.4	2.71	699

SAMPLE ID	ICP-MS U ppm	ICP-MS V ppm	ICP-MS Sr ppm	ICP-MS La ppm	ICP-MS Th ppm	ICP-MS Ca %	ICP-MS K %	ICP-MS Mg %	ICP-MS Al %	ICP-MS S %	ICP-MS Ti %	ICP-MS Na %	ICP-MS P %	ICP-MS Hg ppm	ICP-MS Sc ppm	ICP-MS Tl ppm	ICP-MS Ga ppm	ICP-MS Se ppm	ICP-MS B ppm
Standard (DS6):																			
STANDARD	6.9	53	39	13	2.9	0.87	0.16	0.56	1.87	<0.05	0.079	0.073	0.087	0.21	3.2	1.6	6	4.4	15
STANDARD	6.1	54	38	13	2.9	0.88	0.16	0.56	1.93	<0.05	0.081	0.073	0.086	0.23	3.2	1.7	6	4.3	14
STANDARD	6.3	53	38	12	3.0	0.84	0.15	0.55	1.82	<0.05	0.072	0.072	0.081	0.22	3.1	1.6	6	4.3	16
STANDARD	6.7	54	38	13	2.9	0.83	0.14	0.56	1.88	<0.05	0.068	0.074	0.075	0.22	3.1	1.7	6	4.2	17
STANDARD	6.3	53	37	12	2.9	0.83	0.14	0.53	1.82	<0.05	0.071	0.069	0.078	0.23	3.1	1.6	6	4.0	16
STANDARD	6.6	54	38	13	2.9	0.83	0.15	0.55	1.84	<0.05	0.073	0.073	0.074	0.23	3.1	1.7	6	4.2	16
STANDARD	6.4	53	40	13	2.8	0.85	0.14	0.55	1.83	<0.05	0.074	0.072	0.071	0.22	3.2	1.6	6	3.8	16
STANDARD	6.5	53	39	13	3.1	0.87	0.15	0.57	1.82	<0.05	0.072	0.073	0.078	0.23	3.2	1.8	6	4.2	18
STANDARD	6.3	54	41	14	3.0	0.87	0.17	0.59	1.94	<0.05	0.079	0.076	0.084	0.22	3.2	1.7	6	4.5	14
STANDARD	6.3	53	36	13	2.8	0.84	0.14	0.55	1.85	<0.05	0.067	0.071	0.070	0.22	3.1	1.7	6	4.4	16
STANDARD	6.6	53	37	12	2.8	0.82	0.14	0.55	1.84	<0.05	0.070	0.070	0.072	0.22	3.1	1.7	6	4.1	16

LEGEND

- ○ 269 — Grid soil sample location
- nss — Indicates not sufficient sample for 2005 analysis
- ○ 96-01 — Diamond drill hole location (1996)
  Soils collected 1996
  Soils analysed 2005

Bam 1-4
TN 405709-12

T.N.512807

96-01
96-02
96-03
96-04
96-05
96-06

BL000E
500E
1000E

-0300N
-0100N
-0100S
-0300S
-0500S
-0700S
-0900S
-1100S
-1300S
-1500S
-1700S
-1900S
-2100S
-2300S
-2500S
-2700S
-2900S
-3100S

6342500N
6342000N
6341000N
6340000N
6339000N
6338000N
6337500N

3950000
3960000
3970000
3980000
3990000
4000000

UTM Grid North
1°28'
True North

Topographic contour interval = 100 feet

DRAWN:		June 30/2005
REVISION DATE	REVISED BY	REVISION
June 30/2005	RM	Soils.dat & contours
July 6/2005	RM	Soil data contours
Path:		674\Geoc_674.dwg

METRES
0 50 100 150 200 250 300 350

SCALE = 1:5000

DISCOVERY Consultants

Bearclaw Capital Corp.

BAM PROPERTY
Drill Hole & Sample Locations
Soil Sample Location Map

Location:	Arctic Lake		Mining Jurisdiction:	Liard	
Datum: NAD27	Map Ref.: 104G/2W		Scale: 1:5000	UTM:	9
Project: 674	Date: July 30/2005		Drawn By: RM	Figure:	3

LEGEND

- ○ — Grid soil sample location
- 3 — Values shown in ppb gold
- \- — Indicates <0.5 ppb Au
- nss — Indicates not sufficient sample for 2005 analysis
- ● — anomalous Au value (25ppb) in 1996 survey
- Soils contoured at:
- 17 ppb Au
- ○96-01 — Diamond drill hole location (1996)
- Soils collected 1996
- Soils analysed 2005

Bam 1-4
TN 405709-12

T.N.512807

Topographic contour interval = 100 feet

DRAWN:		June 30/2005
REVISION DATE	REVISED BY	REVISION
June 30/2005	RM	Soils.dat & contours
July 6/2005	RM	Soil data contours
Path:		674\Geoc_674.dwg

METRES

0 50 100 150 200 250 300 350

SCALE = 1:5000

DISCOVERY Consultants

Bearclaw Capital Corp.

BAM PROPERTY

Gold in Soils

Location: Arctic Lake		Mining Jurisdiction: Liard	
Datum: NAD27	Map Ref.: 104G/2W	Scale: 1:5000	UTM: 9
Project: 674	Date: July 30/2005	Drawn By: RM	Figure: 4

LEGEND

- Grid soil sample location
- 0.1 — Values shown in ppm silver
- – — Indicates <0.1 ppm Ag
- nss — Indicates not sufficient sample for 2005 analysis
- Soils contoured at: 0.4 ppm Ag
- 96-01 — Diamond drill hole location (1996)
- Soils collected 1996
- Soils analysed 2005

Bam 1-4
TN 405709-12

T.N.512807

96-01
96-02
96-03
96-04
96-05
96-06

Topographic contour interval = 100 feet

DRAWN:		June 30/2005
REVISION DATE	REVISED BY	REVISION
June 30/2005	RM	Soils.dat & contours
July 6/2005	RM	Soil data contours
Path:		674\Geoc_674.dwg

METRES
0 50 100 150 200 250 300 350

SCALE = 1:5000

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BAM PROPERTY

Silver in Soils

Location: Arctic Lake		Mining Jurisdiction: Liard	
Datum: NAD27	Map Ref.: 104G/2W	Scale: 1:5000	UTM: 9
Project: 674	Date: July 30/2005	Drawn By: RM	Figure: 5

LEGEND

- ○ — Grid soil sample location
- 26 — Values shown in ppm copper
- nss — Indicates not sufficient sample for 2005 analysis
- Soils contoured at: 37 ppm Cu
- ○96-01 — Diamond drill hole location (1996)
- Soils collected 1996
- Soils analysed 2005

Bam 1-4
TN 405709-12

T.N.512807

Topographic contour interval = 100 feet

DRAWN:		June 30/2005
REVISION DATE	REVISED BY	REVISION
June 30/2005	RM	Soils.dat & contours
July 6/2005	RM	Soil data contours
Path:		674\Geoc_674.dwg

METRES

0 50 100 150 200 250 300 350

SCALE = 1:5000

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BAM PROPERTY

Copper in Soils

Location:	Arctic Lake		Mining Jurisdiction:	Liard	
Datum: NAD27	Map Ref.:	104G/2W	Scale: 1:5000	UTM:	9
Project: 674	Date: July 30/2005		Drawn By: RM	Figure:	6

LEGEND

- o — Grid soil sample location
- 0.7 — Values shown in ppm antimony
- nss — Indicates not sufficient sample for 2005 analysis
- Soils contoured at: 1.6 ppm Sb
- 96-01 — Diamond drill hole location (1996)
- Soils collected 1996
- Soils analysed 2005

Bam 1-4
TN 405709-12

T.N.512807

96-01
96-02
96-03
96-04
96-05
96-06

Topographic contour interval = 100 feet

DRAWN:		June 30/2005
REVISION DATE	REVISED BY	REVISION
June 30/2005	RM	Soils.dat & contours
July 6/2005	RM	Soil data contours
Path:		674\Geoc_674.dwg

METRES
0 50 100 150 200 250 300 350

SCALE = 1:5000

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BAM PROPERTY

Antimony in Soils

Location:	Arctic Lake	Mining Jurisdiction:	Liard	
Datum: NAD27	Map Ref.: 104G/2W	Scale: 1:5000	UTM: 9	
Project: 674	Date: July 30/2005	Drawn By: RM	Figure: 7	

LEGEND

- ○ — Grid soil sample location
- 5 — Values shown in ppm arsenic
- nss — Indicates not sufficient sample for 2005 analysis
- Soils contoured at:
  21 ppm As
- ○96-01 — Diamond drill hole location (1996)
- Soils collected 1996
- Soils analysed 2005

Bam 1-4
TN 405709-12

T.N.512807

Topographic contour interval = 100 feet

DRAWN:		June 30/2005
REVISION DATE	REVISED BY	REVISION
June 30/2005	RM	Soils.dat & contours
July 6/2005	RM	Soil data contours
Path:		674\Geoc_674.dwg

METRES

0 50 100 150 200 250 300 350

SCALE = 1:5000

DISCOVERY Consultants

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BAM PROPERTY

Arsenic in Soils

Location:	Arctic Lake		Mining Jurisdiction:	Liard
Datum: NAD27	Map Ref.: 104G/2W		Scale: 1:5000	UTM: 9
Project: 674	Date: July 30/2005		Drawn By: RM	Figure: 8

LEGEND

- ○ — Grid soil sample location
- 6 — Values shown in ppm lead
- nss — Indicates not sufficient sample for 2005 analysis
- Soils contoured at: 17 ppm Pb
- ○96-01 — Diamond drill hole location (1996)
- Soils collected 1998
- Soils analysed 2005

Bam 1-4
TN 405709-12

T.N.512807

Topographic contour interval = 100 feet

DRAWN:		June 30/2005
REVISION DATE	REVISED BY	REVISION
June 30/2005	RM	Soils.dat & contours
July 6/2005	RM	Soil data contours
Path:		674\Geoc_674.dwg

METRES
0 50 100 150 200 250 300 350

SCALE = 1:5000

DISCOVERY Consultants

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BAM PROPERTY

Lead in Soils

Location: Arctic Lake		Mining Jurisdiction: Liard	
Datum: NAD27	Map Ref.: 104G/2W	Scale: 1:5000	UTM: 9
Project: 674	Date: July 30/2005	Drawn By: RM	Figure: 9

LEGEND

- ○ — Grid soil sample location
- 78 — Values shown in ppm zinc
- nss — Indicates not sufficient sample for 2005 analysis
- Soils contoured at: 150 ppm Zn
- ○ 96-01 — Diamond drill hole location (1996)
- Soils collected 1996
- Soils analysed 2005

Bam 1-4
TN 405709-12

T.N.512807

Topographic contour interval = 100 feet

DRAWN:		June 30/2005
REVISION DATE	REVISED BY	REVISION
June 30/2005	RM	Soils.dat & contours
July 6/2005	RM	Soil data contours
Path:		674\Geoc_674.dwg

METRES
0 50 100 150 200 250 300 350

SCALE = 1:5000

DISCOVERY Consultants

Bearclaw Capital Corp.

BAM PROPERTY

Zinc in Soils

Location:	Arctic Lake		Mining Jurisdiction:	Liard	
Datum: NAD27	Map Ref.:	104G/2W	Scale: 1:5000	UTM:	9
Project: 674	Date: July 30/2005		Drawn By: RM	Figure:	10