GEOLOGICAL REPORT
on the
BX 1-10 MINERAL CLAIMS,
ISKUT RIVER, BRITISH COLUMBIA
for
PARKSIDE 2000 RESOURCES CORP.
and
GOLDREA RESOURCES CORP.

Liard Mining Division

Latitude 56°38'N

Longitude 130°48'W

NTS 104B/10W

TRIM 104B056, 104B066, 104B067

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Palatine Geological

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Summary

The BX 1- 9 and BX10 claims cover contiguous areas of 3557 ha and 500 ha, respectively, in the western Iskut area of northwestern British Columbia. These claims are underlain dominantly by clastic sedimentary rocks and limestones of Triassic and older age, intruded by the hornblende-plagioclase bearing Lehto Batholith. K-feldspar-megacrystic phases of the Lehto Batholith, 18 km to the west, are explicitly associated with the intense K-feldspar alteration and magnetite+quartz stockwork at Red Bluff on Bronson Creek, with the transitional precious metal veins of the past producing Johnny Mountain gold mine and with the shear-hosted gold vein mineralization exploited by the past-producing SNIP mine (32,093 kg Au / 1.2 Mt). The Lehto intrusion is widely accepted as the sole metallogene for economically viable targets in this area.

A diamond drill programme and concurrent prospecting, soil and magnetometer surveys, mapping and staking of additional claims was carried out during September of 2002. A site visit was also made to the BX 10 property for the purposes of geological assessment.

660' (201 m) of diamond drilling was carried out on the Southwest Grid of the property and encompassed three target types. The first target type was the newly discovered zone of intense K-feldspar alteration and quartz+magnetite stockwork mineralization at Black Bluff. The intense fracturing in the rock frustrated efforts to test the zone with the available equipment and the values which were obtained contained only weakly anomalous gold and copper. Despite the low gold and copper values, structural data returned from drilling and on surface indicate at least three phases of mineralization, in a structural setting very similar to that at Red Bluff. No further drilling should be considered here unless significant consistent gold values are returned from future surface sampling.

The second target tested was a coincident geochemical (copper and gold in rock and soil) and magnetic anomaly associated with skarn-type mineralization near an intrusive contact. Two holes were drilled. The first intersected skarn mineralization containing as much as 1.6 gm/t gold and 0.18% copper over an interval of 1.3 m. The mineralization is constrained by a second hole which intersected a fault. The fault appears to offset the mineralization, such that any extension of the mineralization in this location may be blind (*ie*. not exposed at surface). No further drilling should be carried out until indications of an extension are returned from further surface exploration.

The third target comprised coincident geophysical and geochemical anomalies on the central part of the Southwest Grid. A total of four holes was drilled. Each of the four holes on the central zone intersected the contact zone between a mineralized pendant or screen of clastic sedimentary rock underlain by the Lehto intrusion. Gold values less than 0.1 gm/t were returned and the silver to gold ratio was elevated. No further drilling is recommended for this area unless substantial, consistent gold values are returned from rock samples at surface, in the future.

During the course of the diamond drill programme, significant additions were made to the BX property, to cover the northern part of the Sericite Ridge porphyry system and ground to the west and south of the original claim group. In addition, the BX 10 claim was staked to cover a 500 ha area 18 km east of the original BX property, underlain by the same geological environment.

A preliminary review of previous reports covering the newly acquired areas indicates that past exploration on the ground presently enclosed by the BX property was carried out almost exclusively in the more easily accessible subalpine, alpine and tundra zones. Each property in the area was discarded on the basis of results from these zones. The valley bottoms remain largely unexplored. The single, economically viable gold deposit in the western Iskut was discovered by prospecting of the heavily vegetated lower slopes of the Bronson Creek valley.

A two-stage programme of exploration is proposed for each of the areas of ground acquired or incremented during the course of 2002. For convenience these will be addressed as the BX , Sericite Ridge and Ernie Creek areas. The first phase of exploration for each of the outlying areas must begin with acquisition of a set of aerial photographs and a collation of all available geochemical and geophysical data, in order to define the boundaries of areas studied to date. In the case of the Ernie Creek area (BX 10) this would be followed by detailed geological mapping, trenching and sampling in the vicinity of the Ernie Creek gold showing and construction of a detailed cross section or sections in areas where mineralization is discovered or confirmed by Parkside's fieldwork. Contingent on favourable results from the initial work, a programme comprising at least six diamond drill holes is proposed to test the zone both near surface and at substantial depth. The programme should also include prospecting in any areas of the property not covered by previous work.

The Sericite Ridge area should be prospected at elevations below tree line, using a series of helicopter pads constructed for that purpose along Snippaker Creek and Monument Creek. Of particular interest is an intensely oxidized zone on the eastern slopes of Sericite Ridge which, to the best of the authors' knowledge has never been examined, far less sampled.

The central BX property should also be prospected at lower elevations, along the eastern bank of Snippaker Creek, in order to locate possible zones of alteration similar to those at Black Bluff. In the higher ground, the existing showings and the Black Bluff area itself must be sampled and trenched in order to confirm both the grade and continuity of any gold-bearing mineralization. During a second phase of exploration, a limited amount of drilling could be carried out to test subsurface continuity of any mineralized structures discovered.

A budget for the two-phase programme of exploration in 2003 comprises a cost for each phase of approximately \$160,000 and \$280,000, respectively. Exploration targeting the valley bottoms could be commenced somewhat earlier as a result of the substantial (1.5 - 2 km) difference in elevation.

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Introduction and terms of reference

This report was prepared, at the request of Parkside 2000 Resources Corporation and Goldrea Resource Corp., to describe and evaluate the results of diamond drilling and of geological, geochemical and geophysical work carried out in September of 2002 on the BX claim group, located 88 kilometres northwest of Stewart, B.C., in northwestern British Columbia (Figs. 1 and 2). The BX claims were staked to cover gold-bearing mineralization previously covered by the JOSH claims and, subsequently the WOLF claims in the Iskut River area.

The report describes the results from 660' (201 m) of diamond drilling carried out on the Southwest Grid of the property during September of 2002 and also describes concurrent soil sampling, mapping and a magnetometer survey on the Southwest Grid, the staking of additional claims to extend the property, prospecting and stream sediment sampling on the central part of the main property. The report also covers a site visit made to the BX 10 property for the purposes of geological assessment. The purpose of this report is to qualify targets for more detailed exploration.

The principal author is familiar with the regional geology and metallogenesis of the Iskut River area and both authors participated in the September field program on the BX property, run by A.Kikauka.

Location and status of property

Location

The BX properties are located on NTS map 104B/10W, in the Liard Mining Division, British Columbia (Figs. 1 and 2). The larger (BX 1 to BX 9) property lies 52 kilometres southwest of Bob Quinn Lake, centred on latitude 56°37'16.7"N and a longitude of 130°49'27.0"W. The locations of the legal corner posts (LCPs) of each claim are as follows:

BX 1-4	Latitude 56° 38' 24.8"N, longitude 130° 47' 51.7"W
BX 5 and BX 7	Latitude 56°35'51.9"N, longitude 130°52'33.4"W
BX 6 claim	Latitude 56°35'39.8"N, longitude 130°52'33.4"W
BX 8 claim	Latitude 56°37'3.4"N, longitude 130°49'19.9"W
BX 9 claim	Latitude 56°36'49.7"N, longitude 130°48'22.2"W

The smaller, BX 10 property is located 42 kilometres southwest of Bob Quinn Lake, centred on latitude 56°40'15.4"N and longitude 130°40'56.7"W. The legal corner post (LCP) of the BX 10 claim is located at latitude 56° 39'42.9" and longitude 130° 39'44.0".

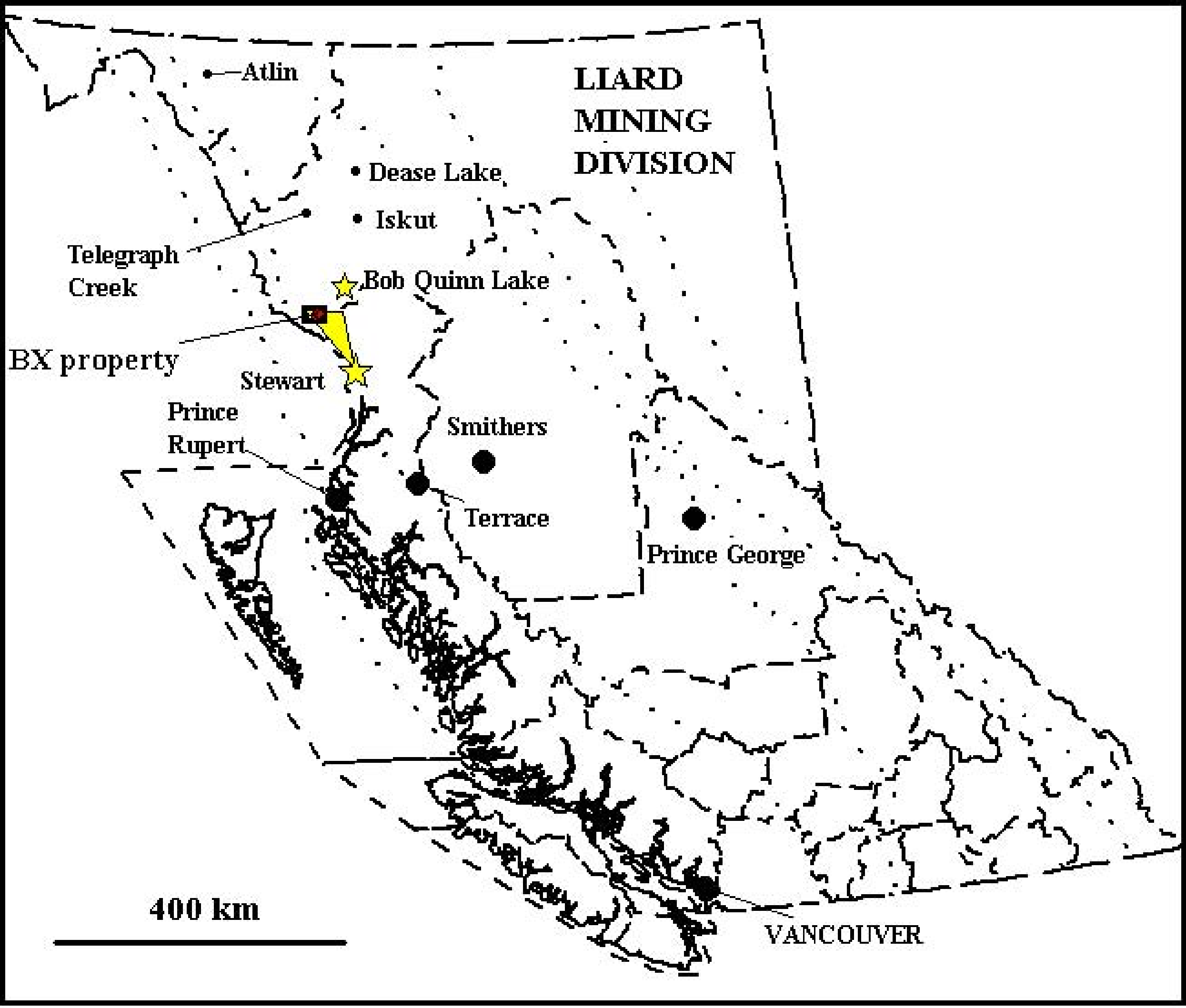
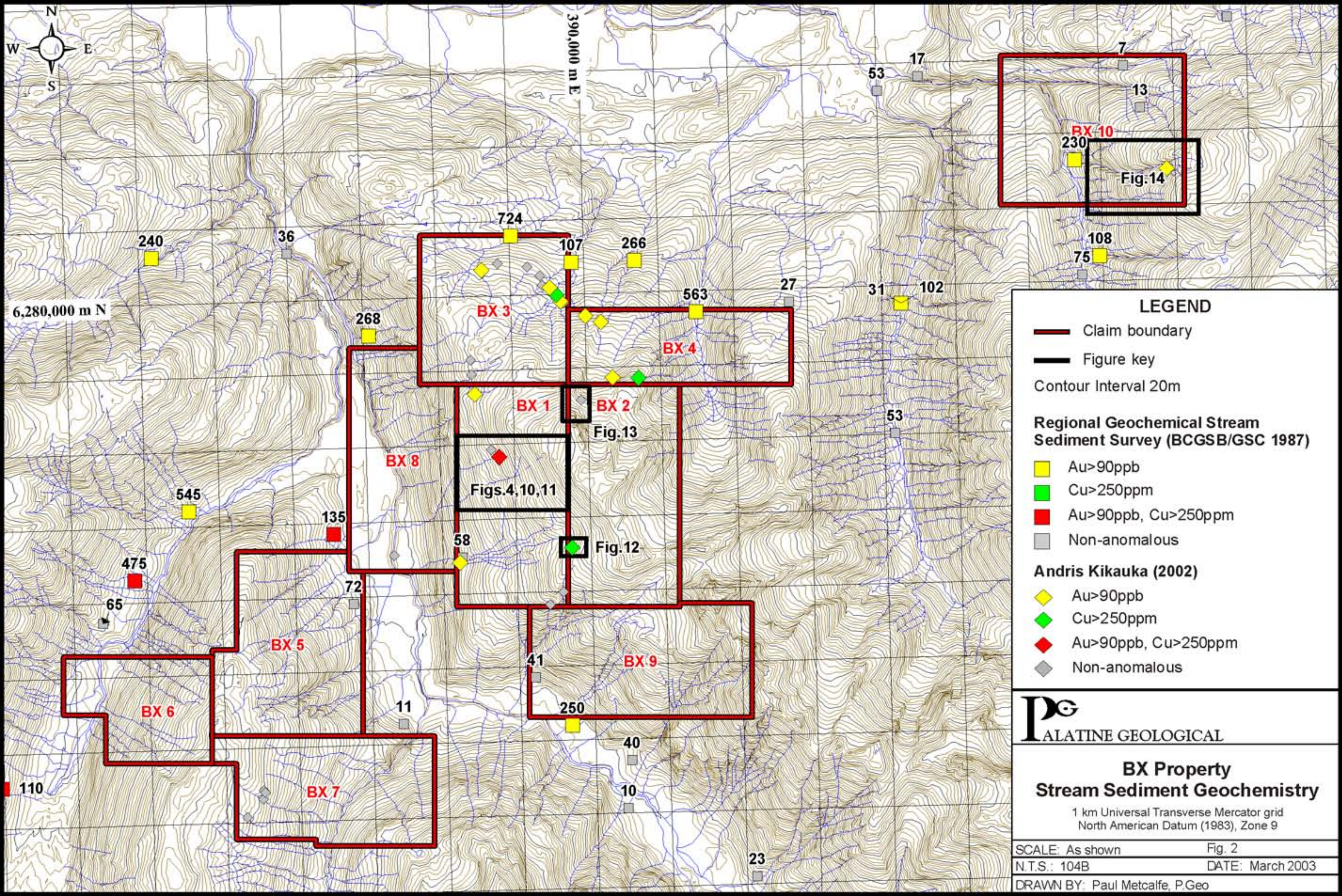


Fig. 1 Location of the BX property


N
S
W
E
390,000 m E
6,280,000 m N
BX 1
BX 2
BX 3
BX 4
BX 5
BX 6
BX 7
BX 8
BX 9
BX 10
Fig.12
Fig.13
Fig.14
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13
17
53
230
724
107
266
240
36
108
75
27
563
31
102
268
53
545
135
58
475
65
72
41
250
11
40
10
110
23
LEGEND
Claim boundary
Figure key
Contour Interval 20m
Regional Geochemical Stream Sediment Survey (BCGSB/GSC 1987)
Au>90ppb
Cu>250ppm
Au>90ppb, Cu>250ppm
Non-anomalous
Andris Kikauka (2002)
Au>90ppb
Cu>250ppm
Au>90ppb, Cu>250ppm
Non-anomalous
PALATINE GEOLOGICAL
BX Property
Stream Sediment Geochemistry
1 km Universal Transverse Mercator grid
North American Datum (1983), Zone 9
SCALE: As shown
Fig. 2
N.T.S.: 104B
DATE: March 2003
DRAWN BY: Paul Metcalfe, P.Geo

Property status

At the time of writing, neither BX property had been legally surveyed. The main property presently comprises nine contiguous four post claims (BX 1 - BX 9), which cover an irregular area of 3557 ha. BX 1 and BX 2 were originally staked by witness post in December 2001; these were formally abandoned and the BX1-4 claims were staked in August of 2002 to cover and extend the abandoned ground. BX 3 to BX 9 were staked during the late summer field season of 2002 (Table 1). BX 10 was staked on September 13th, 2002.

All claims were staked by A.A. Kikauka and are 100% owned by Goldrea Resources Corporation. In 2002, Parkside 2000 Resources Corporation entered into a joint venture agreement with Goldrea Resources Corporation for the option to earn 50% interest in the BX claims by way of staged cash and stock payments in addition to exploration expenditures. The agreement is summarized in Appendix A.

Table 1. Status of mineral claims

CLAIM NAME	UNITS	RECORD NO.	RECORD DATE	EXPIRY DATE
BX 1	18 (6Sx3W)	395700	2002.08.05	2003.08.05
BX 2	18 (6Sx3E)	395701	2002.08.05	2003.08.05
BX 3	16 (4Nx4W)	395702	2002.08.05	2003.08.05
BX 4	12 (2Nx6E)	395703	2002.08.05	2003.08.05
BX 5	20 (5Nx4E)	396423	2002.09.05	2003.09.05
BX 6	12 (3Nx4W)	396424	2002.09.05	2003.09.05
BX 7	18 (3Sx6E)	396425	2002.09.05	2003.09.05
BX 8	18 (6Nx3W)	396426	2002.09.06	2003.09.06
BX 9	18 (3Sx6E)	396427	2002.09.09	2003.09.09
BX 10	20 (4Nx5W)	396431	2002.09.13	2003.09.13

The authors are not aware, at the time of writing, of any planned or existing land use that would adversely affect development of mineral resources on the subject property.

Physiography, Climate, Access, Local Resources and Infrastructure

Kikauka (1995) described the relief and vegetation of the property now covered by the BX 1-4 claims. The addenda to the original property require that the range in elevations be amended. The basal elevation of the main BX property, by Snippaker Creek is 250 m above sea level (ASL). The elevation of its central peak is 1880 m, just over a mile in vertical relief. The lower slopes are densely vegetated, to the treeline at 1,000 m. Local microclimate in the vicinity of glaciers depresses this line somewhat, but the area below tree line is, effectively, a cliff overgrown by rain forest.

At the time of writing, air support, required for access to the claims from the Eskay Creek road, is still restricted to the dedicated machine at the Eskay Creek Mine. However, Highland Helicopters intend to open a base at Bob Quinn and it is probable that other helicopter companies will become active in the area, given the present economic climate. The Eskay Creek road is closed to casual users but access may be obtained through independent agreement with Barrick who presently reserve sole right to this road. Subject to Barrick's consent, a staging point can be set up at Volcano Creek, to minimize helicopter time after the initial ferry.

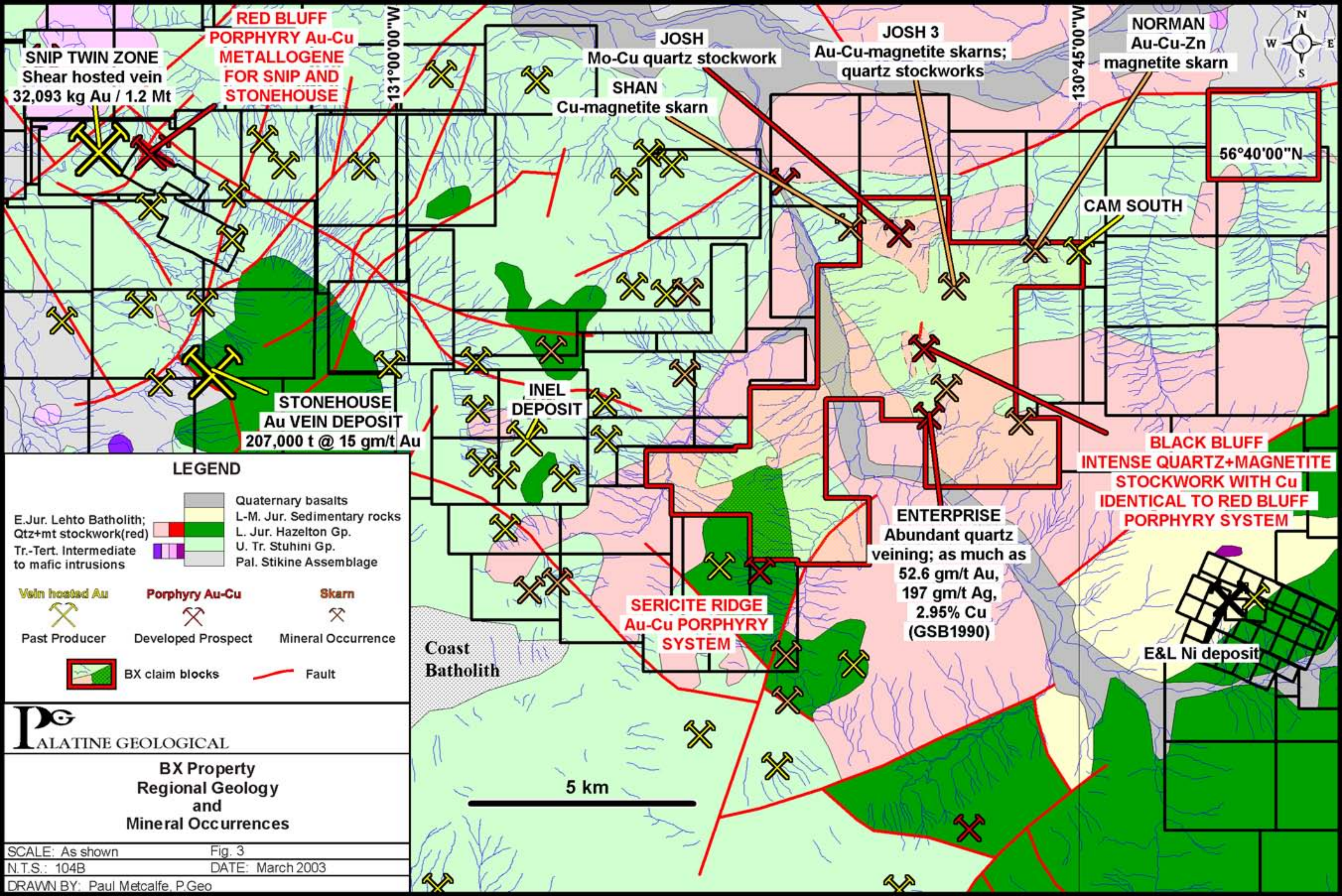
Property history

Metcalfe (2002) reviewed the prior ownership of parts of the present BX property as the JOSH and, subsequently, the WOLF claims. The present boundaries of the main BX property and the entirety of the BX 10 claim cover ground previously held under other tenures. Ground newly acquired in the autumn of 2002 received two brief site visits during the course of staking and a detailed account of their exploration history is outside the scope of this report. A brief review is given below.

Previous exploration

Exploration in the western Iskut began in the early 1900s and peaked in the late 1980s when the area became part of northwestern British Columbia's "Golden Triangle" (encompassing the Premier, Sulphurets-Kerr, Eskay Creek and Stonehouse-SNIP camps). The Triangle is still one of the most prospective areas in North America and the western Iskut contains a significant number of past producers and developed prospects (Fig.3). The specific exploration history of the ground covered by the BX 1-4 claims was described by Kikauka (1995) and is reviewed by Metcalfe (2002). The exploration described in this report is confined mainly to locations within that area.

The ground on Sericite Ridge now covered by the BX 5-7 claims was originally staked as the GOSSAN 18-20 claims in the early1980s, to cover a large hydrothermal system suspected and then proven as a porphyry system in the Lehto Batholith; programmes of surface sampling were subsequently carried out on the ridge crest (Hall 1983). In 1989, Harrisburg-Dayton Resource Corp. optioned the three claims and staked the CENTRAL claim to cover ground to the east of the claims (Chung 1989). In 1990, following a summary report (Chung and Kushner 1990) the ground received no further attention and subsequently lapsed. In 1993, the same ground was staked as the SER 1-4 claims (Marsden 1993); exploration work focused almost exclusively on the easily accessible ridge crest. The property subsequently lapsed.



RED BLUFF
PORPHYRY Au-Cu
METALLOGENE
FOR SNIP AND
STONEHOUSE
SNIP TWIN ZONE
Shear hosted vein
32,093 kg Au / 1.2 Mt
131°00'00"W
JOSH
Mo-Cu quartz stockwork
SHAN
Cu-magnetite skarn
JOSH 3
Au-Cu-magnetite skarns;
quartz stockworks
130°45'00"W
NORMAN
Au-Cu-Zn
magnetite skarn
56°40'00"N
CAM SOUTH
STONEHOUSE
Au VEIN DEPOSIT
207,000 t @ 15 gm/t Au
INEL
DEPOSIT
BLACK BLUFF
INTENSE QUARTZ+MAGNETITE
STOCKWORK WITH Cu
IDENTICAL TO RED BLUFF
PORPHYRY SYSTEM
ENTERPRISE
Abundant quartz
veining; as much as
52.6 gm/t Au,
197 gm/t Ag,
2.95% Cu
(GSB1990)
SERICITE RIDGE
Au-Cu PORPHYRY
SYSTEM
Coast
Batholith
E&L Ni deposit
5 km
LEGEND
Quaternary basalts
L-M. Jur. Sedimentary rocks
E.Jur. Lehto Batholith;
Qtz+mt stockwork(red)
L. Jur. Hazelton Gp.
U. Tr. Stuhini Gp.
Tr.-Tert. Intermediate
to mafic intrusions
Pal. Stikine Assemblage
Vein hosted Au
Porphyry Au-Cu
Skarn
Past Producer
Developed Prospect
Mineral Occurrence
BX claim blocks
Fault
PALATINE GEOLOGICAL
BX Property
Regional Geology
and
Mineral Occurrences
SCALE: As shown
Fig. 3
N.T.S.: 104B
DATE: March 2003
DRAWN BY: Paul Metcalfe, P.Geo

Exploration on the CAM 1-4 claims (Todoruk and Ikona 1987, Goad 1989addressed ground now covered in part by the BX 9 claim. The primary focus was exploration of the Chilli showing (recorded in MINFILE as the CAM4/ Enterprise showing). Following an unfavourable report (Kuran 1990), the claim was returned to the vendor and subsequently lapsed.

The BX 10 claim mainly covers ground originally staked as the Mystery claim group (Scroggins and Ikona 1988, Todoruk and Ikona 1989) and ythe Arc 10-12 claims (Grill *et al*. 1990). The property underwent an airborne geophysical survey, prospecting and soil and stream sediment surveys (Grill and Wong 1990) followed by limited diamond drilling (Grill and Savell 1992), after which the property was returned to the vendor. Exploration in this area extended well below tree line and was rewarded by the discovery of zones with significant strike length.

Geological setting

Regional geology

The BX property is located in the Iskut River map area (104B) in northwestern Stikinia. It is part of the Stewart Complex (Grove, 1986), one of the largest volcanic arc-rich terranes in the Canadian Cordillera and host to many mineral occurrences. The complex is bounded to the south by Alice Arm, to the southwest by the Coast Plutonic Complex, to the north by the Iskut River and to the east by the Skeena fold belt. Within the Stewart Complex is the “Golden Triangle”, an area containing over 200 occurrences of precious metal vein, porphyry, skarn and massive sulphide mineralization; it extends northwest from Stewart to the area of the BX claims.

The Golden Triangle is dominated by rocks of Stikinia and towards the east it encompasses part of the western margin of the Bowser Basin (Evenchick 1991a, 1991b). Metamorphic and plutonic rocks of the Coast Plutonic Complex form the western and southwestern boundaries. The underlying rocks comprise four recognized Palæozoic to Cenozoic tectonostratigraphic packages (Anderson 1989):

1. Palæozoic Stikine Assemblage quartz-rich rocks, carbonate slope deposits, and minor mafic to felsic volcanic rocks;
2. Early Mesozoic arc volcanic and inter-arc and back-arc basin sedimentary rocks;
3. Middle to Upper Jurassic Bowser Basin turbiditic sedimentary rocks and:
4. Tertiary post-kinematic granitoid intrusions of the Coast Plutonic Complex.

The oldest recognized rocks in the area are Paleozoic sedimentary and minor volcanic sequences and small discrete intrusions; these belong to the Stikine Assemblage. The sedimentary rocks were deposited between the Devonian and Permian periods, and the majority consist of limestone and other calcareous sedimentary rocks, which in places are richly fossiliferous. Stratigraphic control (Brown *et al*. 1991, Gunning 1992) is locally good, but regional correlation is less certain.

The Upper Triassic Stuhini Group and Lower to Middle Jurassic Hazelton Group volcanic and sedimentary rocks, together with coeval and spatially associated plutonic suites, define five Mesozoic arcs which developed upon the deformed Paleozoic basement. The arc assemblages developed during episodes of magmatism which lasted approximately 5 to 10 Ma, and occurred between 230 Ma and 170 Ma. (*e.g.* Anderson 1989, Anderson and Thorkelson 1990, Bevier and

Anderson 1991, Nadaradju and Smith 1992a, 1992b):

1. Late Triassic (*ca.* 230-226 Ma) (Late Triassic calc-alkaline Stikine plutonic suite and Norian age Upper Triassic Stuhini Group);
2. latest Triassic to earliest Jurassic (Hettangian-Sinemurian Unuk River formation and *ca.* 210-205 Ma Copper Mountain alkaline plutonic suite);
3. Early Jurassic (Pliensbachian Hazelton Group and *ca.* 196-187 Ma Texas Creek calc-alkaline plutonic suite);
4. late Early Jurassic (unnamed intrusions *ca.* 185 Ma);
5. Middle Jurassic (parts of Toarcian-Bajocian Salmon River Formation of the Hazelton Group and *ca.* 179-172 Ma calc-alkaline Three Sisters plutonic suite).

Upper Triassic volcanic and sedimentary rocks assigned to the Stuhini Group overlie the deformed Paleozoic basement. The Stuhini Group comprise intermediate to basic volcanic rocks overlain by turbidite flows, volcanic conglomerates, calcareous wackes and siltstones and argillites (Rhys, *in* Lewis *et al*. 2001). Broadly speaking, volcanic rocks of the Stuhini group are pyroxene-bearing, while those of the later, Jurassic period are hornblende phyric. Intrusive activity in this area produced Seraphim Mountain, which is part of the late Triassic calk-alkaline Stikine Plutonic Suite.

Generally, deformation in the area is less defined than the stratigraphy. Major deformation events are thought to be restricted to pre-Jurassic periods. The structural grain in the Bronson-Snippaker area is defined by parallel northeast and northwest trending structures, bounded on the east by the north-trending Harrymel Creek Shear Zone (Lewis *in* Lewis *et al*. 2001). Normal movement on several of the Triassic structures has in places offset the relative elevations of Hazelton Group's basal contact (Metcalfe and Moors 1993a, 1993b, Rhys 1993). Post-Norian, pre-Hettangian contractional deformation and subsequant erosion (Henderson *et al.* 1992) has produced an angular unconformity which separates the Upper Triassic Stikine Assemblage from the basal Jurassic Hazelton strata.

Early Jurassic Hazelton Group volcanic rocks include dacite ignimbrites, flow banded rhyolites and vesicular basalts (Metcalfe and Moors 1993a, 1993b, Metcalfe and Callan, unpubl. data). The important Texas Creek Plutonic suite was emplaced during the Sinemurian age and includes the K-feldspar megacrystic Lehto Batholith, the Red Bluff porphyry (Metcalfe 1988, Atkinson *et al.* 1991, Rhys 1993, Rhys *in* Lewis *et al*. 2001) and the feldspar porphyry dykes at the Stonehouse deposit (Yeager and Metcalfe 1990a, 1990b).

Volcanism alternated with the formation of three sedimentary basins in Late Triassic to Late Jurrasic time (Anderson and Thorkelson 1990). During the Toarcian-Bajocian ages, basin formation localized some of the Upper Hazelton Salmon River Formation rocks, and deposited fossiliferous and partly volcanic sequences representing arc, back arc and distal "starved basin" facies. Finally, the Bowser Lake Group turbiditic sedimentary rocks of Bathonian to Kimmeridgian age overlapped lower Mesozoic mineralized arc rocks.

Property geology

The BX property is thought to be underlain by a sequence of intermediate volcanic and related sedimentary rocks (Scott 1983), cut in at least two places by a large igneous intrusion. Strata are bracketed and transected by several north-northeast, east-northeast and southeast trending regional structures, some of which have undergone recent movement (Rhys 1993, Metcalfe unpubl. data), while others are of Jurassic age (Fig 3).

Volcanic rocks include breccias with limestone clasts and minor felsic volcanic members. An identifiable crinoidal limestone marker unit occurs in the faulted and folded sedimentary rocks; although it has not been dated, several workers agree that the limestone is Permian (Scott 1983, McLeod 1988, Kikauka 1994, 1995, Alldrick, pers. comm. 2002, Anderson, pers. comm. 2002). At the former WOLF property (now BX), Alldrick (pers. comm. 2002) reports that the limestone unit is interbedded with fragmental lapilli tuff to tuff breccia of coarse augite phyric basalt; accordingly, the volcanic rocks are assigned to the lowermost Triassic period. This is in direct contrast to recent mapping by Lewis *et al*. (2001), which identifies the strata underlying the BX claims as Jurassic.

Dispositions of mapped sedimentary and intrusive rocks on the property suggest that the former occurs as roof pendants in the Lehto Batholith. The batholith is part of the Jurassic Texas Creek Plutonic Suite. It is hornblende+plagioclase phyric, K-feldspar megacrystic and petrographically identical and probably comagmatic with the Red Bluff porphyry and with an intrusion exposed on the south side of Snippaker Ridge (Metcalfe 1988, unpubl. data, Moore unpubl. data 1991, Rhys 1993). The batholith on the BX property is cut by near-vertical northeasterly-trending dykes of biotite phyric, fine grained leucocratic material (Scott 1983). It is uncertain whether these are equivalent to porphyry dykes outcropping at the Stonehouse deposit or belong to the biotite phyric dykes of the Eocene Coast Plutonic Complex.

At the time of writing, the structural geology of the BX property is largely unresolved. The regional strike is northwesterly and in places is cut by northeasterly and easterly trending structures (Scott 1983, Kucera 1994).

Regional deposit types

Several deposit types occur within the Snippaker area and all are associated with Mesozoic volcanic arc strata and related intrusive events of the early to middle Jurassic period. These include shear hosted transitional quartz-sulphide veins, copper gold porphyry deposits, and skarns (Fig.3).

The most notable quartz sulphide vein deposits include the SNIP mine (MINFILE 104B 250), the Johnny Mountain mine (Stonehouse deposit, MINFILE 104B 107) and the Inel deposit (MINFILE 104B113) (Fig.3). The SNIP mine produced 32,093 kg of gold, 12,183 kg of silver and 249, 276 kg of copper from about 1.2 million tonnes of ore. This deposit is an Au-Ag-Cu (Pb-Zn-As-Sb-Bi) bearing transitional quartz-sulphide vein system localized along a steeply dipping, northwest trending shear zone. The Stonehouse deposit produced 207,000 tonnes grading 15 g/t gold, 30 g/t silver and 1.5% copper from silica flooded veins containing pyrite, chalcopyrite, sphalerite, galena, pyrrhotite and trace quantities of electrum and gold. These veins are associated with an east-northeasterly trending set of plagioclase porphyry dykes. The Inel deposit is 12 km southeast of the SNIP deposit and consists of a swarm of quartz-sulphide veins that contain pyrite, sphalerite, galena and chalcopyrite. Precious metal values are highest in the hanging wall of northwest trending, southwest dipping shear zones where K-spar alteration is predominant.

Copper gold porphyry deposits include the Red Bluff (MINFILE 104B 077) deposit, which is a hydrothermally altered K-feldspar megacrystic plagioclase porphyritic intrusion. The K-feldspar phenocrysts contain vermiform inclusions of sulphide and hornblende phenocrysts are commonly altered to magnetite, hæmatite, pyrite, biotite and chlorite. There is a close spatial association of the SNIP gold deposit with the Red Bluff copper-gold porphyry; this combined with metal and alteration zoning consistent with porphyry systems, suggests that the mineralization for both deposits were synchronous Early Jurassic deposits. The Galore Creek deposit is a copper gold porphyry that is brecciated and faulted within a sub-volcanic environment of deposition and overprinted by extensive potassic, propylitic and pyrometasomatic alteration . The complex is hosted by the Texas Creek-Galore Creek plutonic suite. Other copper-gold porphyry systems in the area include the Bronson Slope (MINFILE 104B 077), the Khyber Pass (MINFILE 104B 138), and Sericite Ridge (MINFILE 104B 318).

There are several skarn deposits in the Iskut River area. These are associated with various episodes of intrusion, from the Late Triassic to the Middle Jurassic. In the vicinity of the BX property, skarn mineralization is commonly associated with the Early Jurassic Lehto Batholith intruding limestone strata. These include the Cam 9 occurrence (MINFILE 104B 326), the Josh 3 occurrence (MINFILE 104B 291), the Shan showing (MINFILE 104B 023), the Elmer Skarn (MINFILE 104B 368) and the Kirk Magnetite skarn (MINFILE 104B 362). Metallic minerals are predominantly magnetite, pyrite, chalcopyrite and sphalerite, and galena; these are hosted by actinolite epidote-quartz garnet bearing limestone.

Metallogeny and potential exploration targets

Mineral deposits in the Golden Triangle are intimately associated with the two phases of intrusion and volcanism occurring in the Early and Middle Jurassic. The later metallogenic phase, which generated the Eskay Creek and related deposits, is poorly represented in the general area of the BX property. The Texas Creek Plutonic Suite generated the transitional type precious metal veins of the Stonehouse and SNIP deposits and is well represented both in the immediate area of the BX property and on the property itself. The Lehto Batholith and its related rocks are considered prospective for several deposit types. These lithologies, combined with the structures and level of exposure present make this an extremely prospective area of the Iskut.

The Stonehouse deposit is a transitional vein system which evolved at or near the angular unconformity between Stuhini Group turbidites and the overlying Hazelton Group dacitic volcanic rocks. The composition of the dykes mineralized in the Stonehouse deposit is related to that of rhyolitic volcanic rocks near the summit of Johnny Mountain, 1.5 km up section; this provides a reasonable estimate of the level of the Jurassic palæosurface and therefore the depth at which the deposit formed (Metcalfe, unpubl. data). The SNIP shear-hosted vein deposit lies 1000 m further down the slopes of Johnny Mountain; given the generally flat geometry of the basal Jurassic contact, the SNIP may have formed as much as 1 km deeper than the Stonehouse (and has Au/Ag ratios four times that of the latter).

The SNIP deposit lies somewhat up section from the upper contact of the Stuhini Group volcanic rocks with the overlying turbiditic succession; the basal contact of these volcanic rocks with the underlying Permian limestone may be exposed on the BX property. The BX environment is separated from that at the SNIP deposit by the unknown thickness of the Triassic volcanic rocks, which may have been modified by folding and subsequent erosion.

The BX property straddles the margin of the Lehto Batholith, a coarse-grained metalliferous intrusion with an outcrop area in excess of 100 km^2. Mineralization and alteration characteristic of skarn deposits (Ettlinger and Ray 1989, Webster and Ray 1991), porphyry copper-gold deposits (Rhys 1993) and transitional vein-type precious metal deposits (Panteleyev 1988, 1992) are all exposed on the BX property. The last two deposit types are highly prospective targets.

Property mineralization

The types of mineralization present on the property have already been documented by Kikauka (1995). This work was augmented by Kikauka's discovery of a porphyry-style quartz+magnetite stockwork zone at Black Bluff Metcalfe (2002). Mineralization discovered on the property to date is therefore typical of localized high-grade skarn mineralization and more widespread lower grade gold-copper mineralization typical of alkaline porphyry systems.

2002 exploration

Duration, personnel and purpose

The programme was carried out between September 2nd 2002 and September 26th 2002, a total of 175 man-days. The field crew comprised:

Party chief:	A.A.Kikauka
Consultant:	P.Metcalfe (Palatine Geological)
Geological assistant:	B.M. Brannström (Palatine Geological)
2- man drill crew:	Neill's Mining
First aid / cook:	D. Williams, M. Byrn

The purpose of the programme was to test the extent and grade of mineralization on the West and Southwest Grids of the BX property. A programme of rock and soil sampling had been recommended (Metcalfe 2002) to define the anomalies detected by a previous programme in 1995. However, it was deemed necessary to commence the diamond drill programme immediately, given the lateness of commencement of the field programme. Soil sampling and geological mapping were therefore carried out coincident with the drilling.

Diamond drill programme

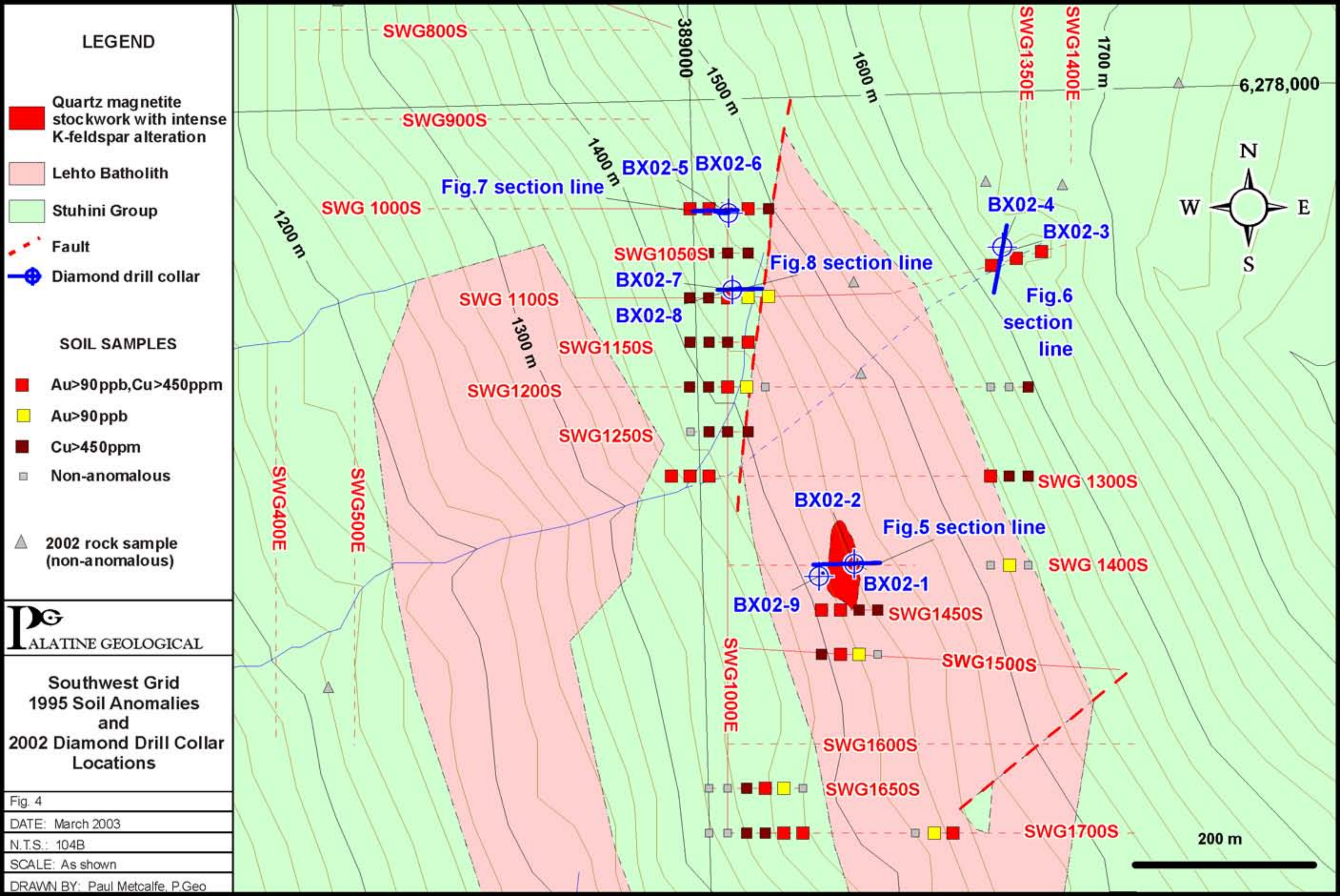
Owing to the lateness of the season, a diamond drill programme was initiated without the initial work recommended (Metcalfe 2002). 660' (201m) of drilling was carried out using a standard (non-wireline) diamond drill under the supervision of A. Kikauka. Despite the best efforts of the operators, the fractured nature of the target lithologies precluded completion of any of the nine holes drilled and the programme was terminated prematurely. The diamond drill core was logged and sampled exclusively by the authors. Drill logs and analytical results are presented in Appendices B and C, respectively.

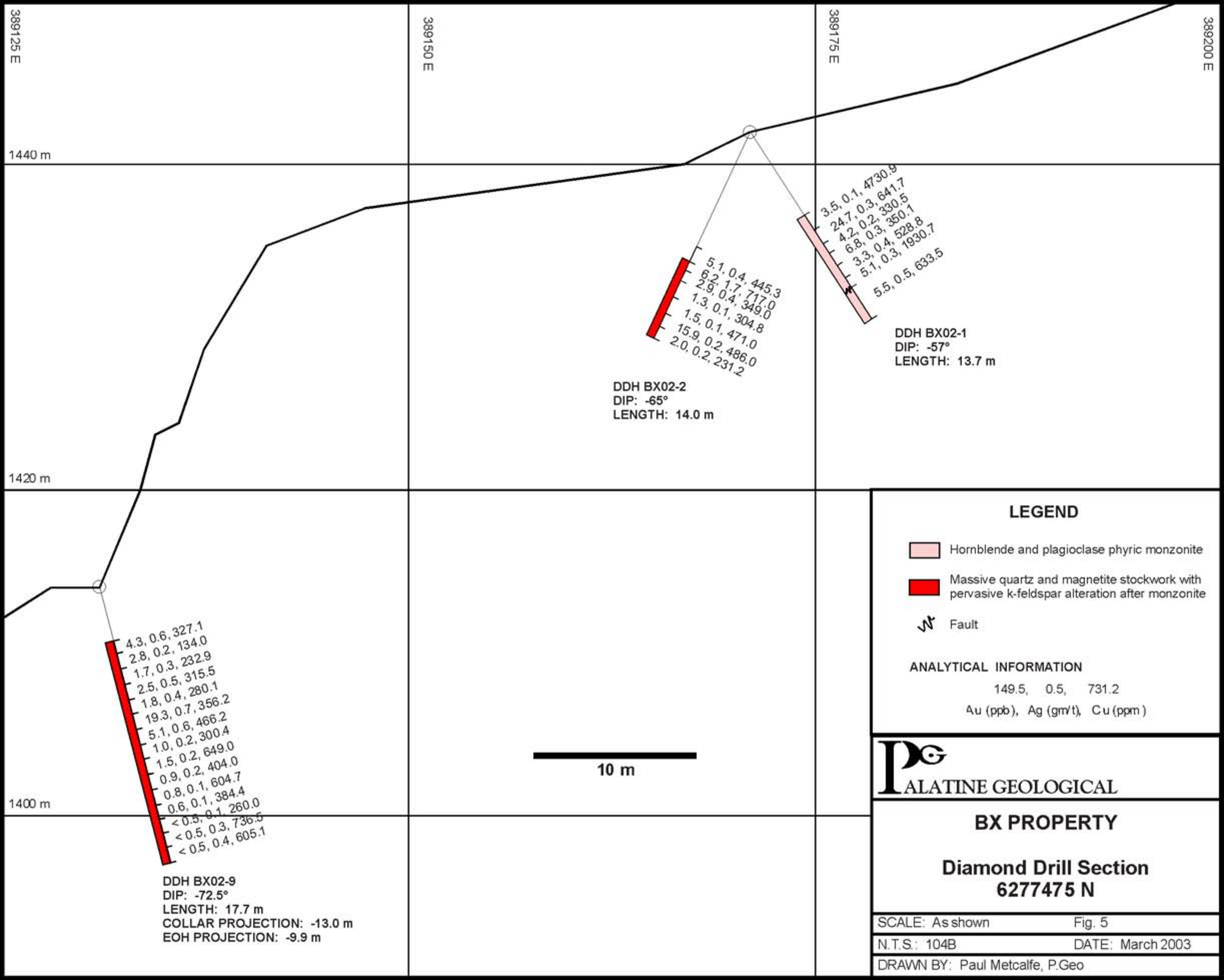
Three targets were addressed by the diamond drill programme (Fig.4). The first was the quartz+magnetite stockwork of Black Bluff, discovered by Kikauka in August 2002. The second was a coincident magnetic and geochemical soil anomaly associated with a gold-bearing magnetite skarn. The third comprised the combined magnetic, conductivity and soil geochemical anomalies along the baseline (1000E) of the Southwest Grid. The last was the only target recommended in a previous report (Metcalfe 2002), on the basis of the coincident anomalies and reasonable length of the target and the extent of previous work carried out.

Three holes were collared in the vicinity of Black Bluff, two to the east (and upslope) and one immediately to the west (downslope) of the target (Fig.5). None of the holes intersected significant gold mineralization. The first of the holes collared to the east was directed to the east and intersected weakly mineralized and moderately altered intrusive rock of the Lehto Batholith. Two samples, one from the collar, returned copper concentrations in excess of 0.1% but the grades were not continuous.

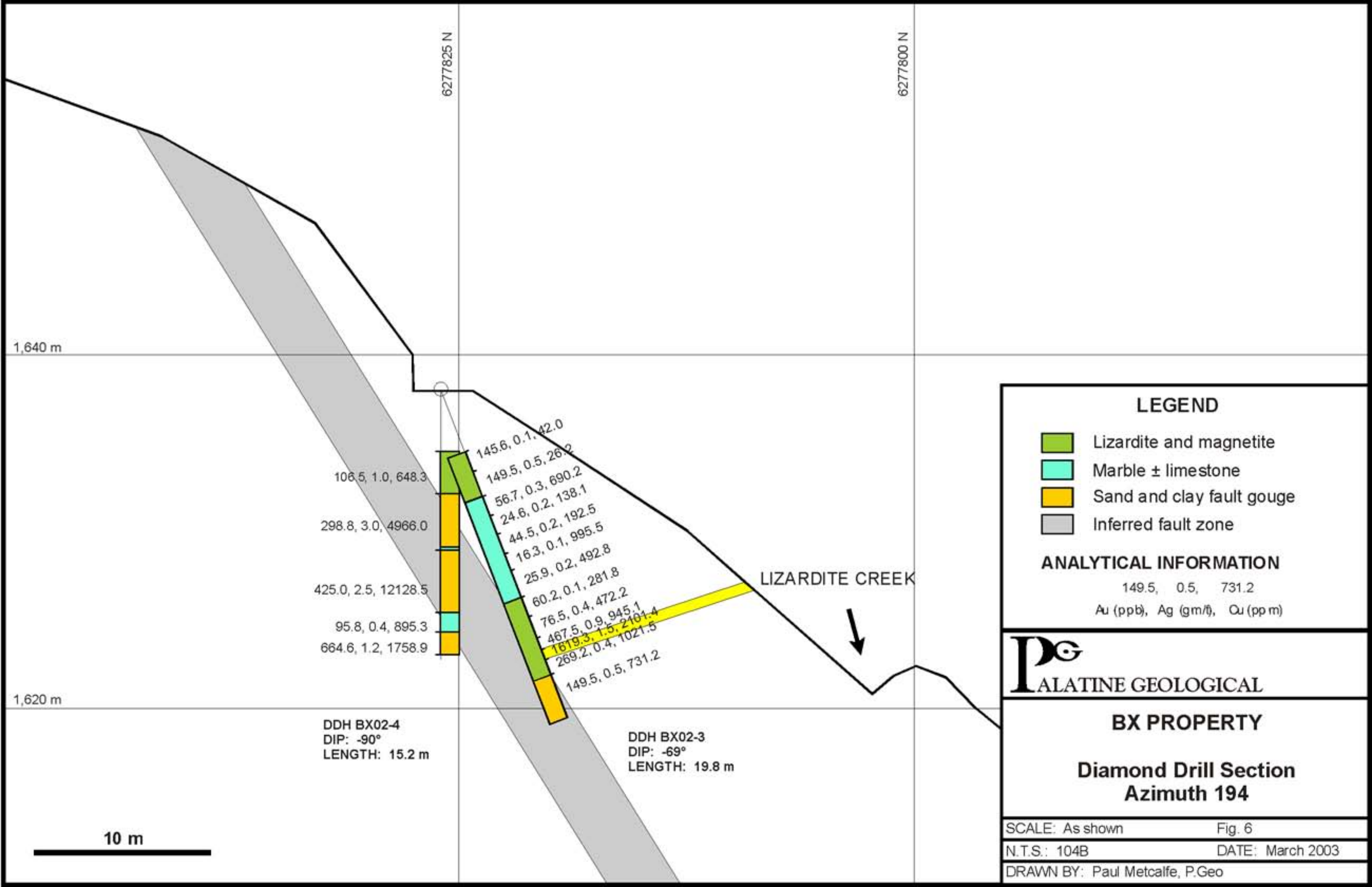
The two remaining holes at Black Bluff, directed at the mineralization, intersected a intense quartz+magnetite stockwork hosted by intense pervasive K-feldspar alteration. The nature of the alteration and mineralization were nearly identical, albeit more intense than that encountered by exploration of Red Bluff. At least four cross-cutting phases of mineralization were observed: an oldest, banded quartz+magnetite vein set, a planar quartz + magnetite set, possibly conjugate; a planar quartz ± magnetite set, with patchy alteration of magnetite to sulphide minerals (associated with epidote); and (latest) a quartz ± sulphide ± stockwork and/or discrete quartz + sericite + pyrite veins. The attitudes of the oldest, banded veining cannot be reconciled between drill holes, but may dip steeply northeast. The variation in attitudes is probably the result of brecciation and rotation of blocks during later mineralization.

Two holes were drilled to address a coincident showing, persistent Au-Cu anomaly in soil geochemistry and an intense magnetic anomaly. The target showing, on the northwest bank of Lizardite Creek near the top of its gully (Figs.4 and 6) returned a value of 3560 ppb Au from a soil sample taken in 1995. The first drill hole (DDH BX02-3) collared above the anomaly intersected gold and copper bearing mineralization at a depth consistent with the general attitude of banding in the Lizardite showing (Fig. 6). Values of 1.6 gm/t Au and 0.18% Cu were obtained over an interval of 1.3m. The hole then intersected a fault necessitating shutdown. The second diamond drill hole (BX02-4) encountered extremely fractured rock and long intervals of sand and clay gouge; core recovery was as poor as sixty percent over some intervals. This hole also was terminated owing to technical difficulties. An extremely poorly constrained value of 1.21% Cu was obtained over an interval of 3.5m. No gold values higher than 0.66 gm/t were returned.


LEGEND
Quartz magnetite stockwork with intense K-feldspar alteration
Lehto Batholith
Stuhini Group
Fault
Diamond drill collar
SOIL SAMPLES
Au>90ppb,Cu>450ppm
Au>90ppb
Cu>450ppm
Non-anomalous
2002 rock sample (non-anomalous)
PALATINE GEOLOGICAL
Southwest Grid
1995 Soil Anomalies
and
2002 Diamond Drill Collar
Locations
Fig. 4
DATE: March 2003
N.T.S.: 104B
SCALE: As shown
DRAWN BY: Paul Metcalfe, P.Geo
SWG800S
SWG900S
SWG 1000S
SWG1050S
SWG 1100S
SWG1150S
SWG1200S
SWG1250S
SWG 1300S
SWG 1400S
SWG1450S
SWG1500S
SWG1600S
SWG1650S
SWG1700S
SWG400E
SWG500E
SWG1000E
SWG1350E
SWG1400E
389000
6,278,000
1200 m
1300 m
1400 m
1500 m
1600 m
1700 m
BX02-1
BX02-2
BX02-3
BX02-4
BX02-5
BX02-6
BX02-7
BX02-8
BX02-9
Fig.5 section line
Fig.6 section line
Fig.7 section line
Fig.8 section line
N
S
E
W
200 m



389125 E
389150 E
389175 E
389200 E
1440 m
1420 m
1400 m
3.5, 0.1, 4730.9
24.7, 0.3, 641.7
4.2, 0.2, 330.5
6.8, 0.3, 350.1
3.3, 0.4, 528.8
5.1, 0.3, 1930.7
5.5, 0.5, 633.5
DDH BX02-1
DIP: -57°
LENGTH: 13.7 m
5.1, 0.4, 445.3
6.2, 1.7, 717.0
2.9, 0.4, 349.0
1.3, 0.1, 304.8
1.5, 0.1, 471.0
15.9, 0.2, 486.0
2.0, 0.2, 231.2
DDH BX02-2
DIP: -65°
LENGTH: 14.0 m
4.3, 0.6, 327.1
2.8, 0.2, 134.0
1.7, 0.3, 232.9
2.5, 0.5, 315.5
1.8, 0.4, 280.1
19.3, 0.7, 356.2
5.1, 0.6, 466.2
1.0, 0.2, 300.4
1.5, 0.2, 649.0
0.9, 0.2, 404.0
0.8, 0.1, 604.7
0.6, 0.1, 384.4
< 0.5, 0.1, 260.0
< 0.5, 0.3, 736.5
< 0.5, 0.4, 605.1
DDH BX02-9
DIP: -72.5°
LENGTH: 17.7 m
COLLAR PROJECTION: -13.0 m
EOH PROJECTION: -9.9 m
10 m
LEGEND
Hornblende and plagioclase phyric monzonite
Massive quartz and magnetite stockwork with pervasive k-feldspar alteration after monzonite
Fault
ANALYTICAL INFORMATION
149.5, 0.5, 731.2
Au (ppb), Ag (gm/t), Cu (ppm)
PALATINE GEOLOGICAL
BX PROPERTY
Diamond Drill Section
6277475 N
SCALE: As shown
Fig. 5
N.T.S.: 104B
DATE: March 2003
DRAWN BY: Paul Metcalfe, P.Geo



6277825 N
6277800 N
1,640 m
1,620 m
106.5, 1.0, 648.3
298.8, 3.0, 4966.0
425.0, 2.5, 12128.5
95.8, 0.4, 895.3
664.6, 1.2, 1758.9
145.6, 0.1, 42.0
149.5, 0.5, 26.2
56.7, 0.3, 690.2
24.6, 0.2, 138.1
44.5, 0.2, 192.5
16.3, 0.1, 995.5
25.9, 0.2, 492.8
60.2, 0.1, 281.8
76.5, 0.4, 472.2
467.5, 0.9, 945.1
1619.3, 1.5, 2161.4
269.2, 0.4, 1021.5
149.5, 0.5, 731.2
LIZARDITE CREEK
DDH BX02-4
DIP: -90°
LENGTH: 15.2 m
DDH BX02-3
DIP: -69°
LENGTH: 19.8 m
10 m
LEGEND
Lizardite and magnetite
Marble ± limestone
Sand and clay fault gouge
Inferred fault zone
ANALYTICAL INFORMATION
149.5, 0.5, 731.2
Au (ppb), Ag (gm/t), Cu (ppm)
PALATINE GEOLOGICAL
BX PROPERTY
Diamond Drill Section
Azimuth 194
SCALE: As shown
Fig. 6
N.T.S.: 104B
DATE: March 2003
DRAWN BY: Paul Metcalfe, P.Geo

The fault intersected by DDH BX02-4 near its collar is correlated with that at the end of DDH BX02-3. The geometry of the fault intersections suggest that the Lizardite showing lies in the hanging wall. The offset of the fault and the extension of the mineralization in the footwall is not known.

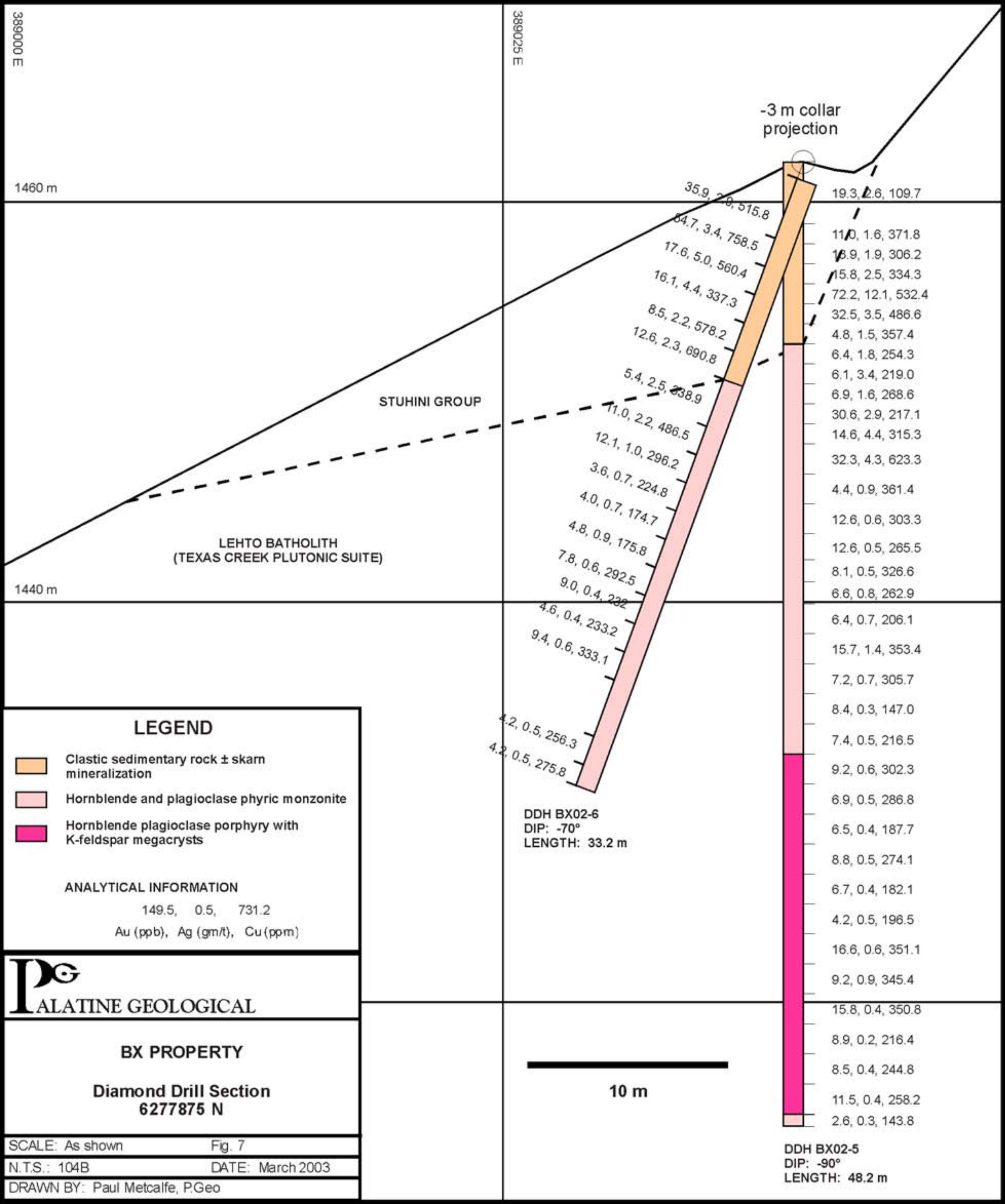
The last of the targets to be tested was the coincident zone of Cu and Au anomalies in soil samples and anomalous zones determined by magnetometer, induced polarization (IP), very low frequency electromagnetic (VLF-EM), and horizontal loop electromagnetic (HLEM) surveys. Two holes were collared at each of the stations 1000E 1000S (DDH BX02-5 and DDH BX02-6; Fig.7) and 1000E 1100S (DDH BX02-7 and DDH BX02-8; Fig.8). Three of the holes intersected the contact between skarn alteration and mineralization and the underlying Lehto intrusion. The latter is weakly mineralized and individual intrusive phases can be identified without difficulty. The pendant itself returned only trace target elements Cu, Pb, Zn, and Ag. Owing to technical difficulties, each hole was discontinued. The final hole was collared, apparently, into a fault. Core recovery was less than 50% for the entire hole and the shattered nature of the core precluded proper assignation of assay intervals. No anomalous values of Au or Cu were returned. The results from holes BX02-5 to BX02-8 are noteworthy in one other respect, inasmuch as the silver to gold ratio is consistently high. This feature is noted in several deposit types as being diagnostic of a distal, cooler setting for the mineralization, with consequent lower values of gold.

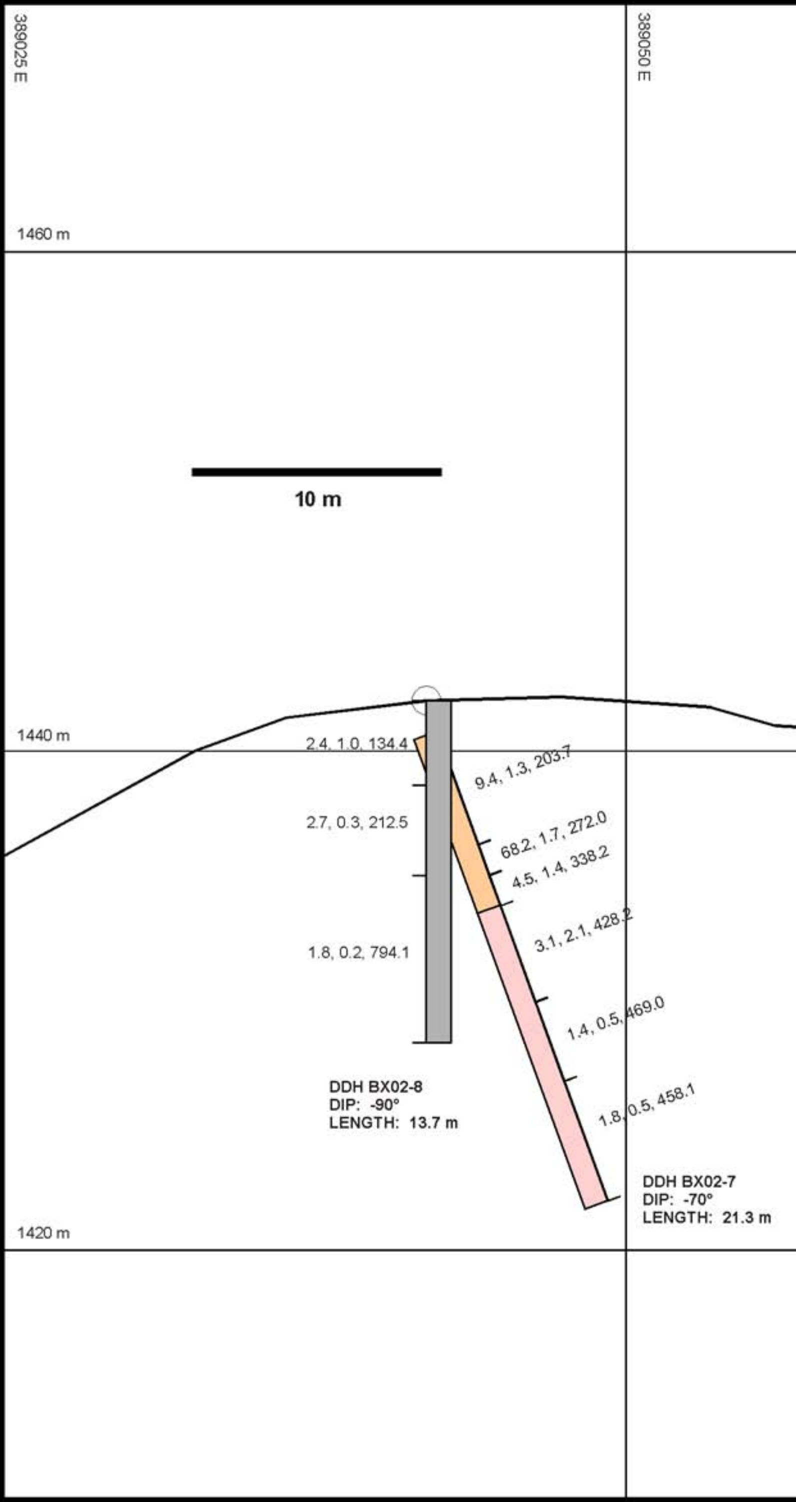
Geological mapping of Black Bluff

During the diamond drill programme, geological mapping was carried out on parts of the quartz+magnetite alteration zone. The purpose of the mapping was to define structures which might permit exploration along a strike extension of the alteration.

The lithology of Black Bluff, as its name suggests, is magnetite-rich and the attitude of a compass needle is affected by as much as 28° by the remnant magnetism in the rock; this is the largest deviation observed by the senior author. As a consequence, it was necessary to construct a rudimentary grid by turning angles from the collar of DDHBX02-2, using the distant drill collar on Lizardite Creek as a backsight. At the base of the Bluff, a similar procedure was used for structural measurements, with the centre of the helicopter pad as a backsight. Despite precautions, we assess an error of as much as ±5° on the measurements of strike azimuth.

A geological map of the outcrop area is shown in Fig.9. The entire outcrop of Black Bluff is a zone of intense K-feldspar alteration which has destroyed all but the largest K-feldspar and amphibole megacrysts in the host intrusion. The megacrysts have been replaced by epidote. Based upon their morphology, the host is part of the Lehto polyphase intrusion. No contacts were observed within the outcrop area of the Bluff.


389000 E
389025 E
-3 m collar projection
1460 m
1440 m
STUHINI GROUP
LEHTO BATHOLITH
(TEXAS CREEK PLUTONIC SUITE)
17.6, 5.0, 560.4
16.1, 4.4, 337.3
8.5, 2.2, 578.2
12.6, 2.3, 690.8
11.0, 2.2, 486.5
12.1, 1.0, 296.2
3.6, 0.7, 224.8
4.0, 0.7, 174.7
4.8, 0.9, 175.8
7.8, 0.6, 292.5
9.0, 0.4, 232
4.6, 0.4, 233.2
9.4, 0.6, 333.1
4.2, 0.5, 256.3
4.2, 0.5, 275.8
DDH BX02-6
DIP: -70°
LENGTH: 33.2 m
19.3, 2.6, 109.7
15.8, 2.5, 334.3
72.2, 12.1, 532.4
32.5, 3.5, 486.6
4.8, 1.5, 357.4
6.4, 1.8, 254.3
6.1, 3.4, 219.0
6.9, 1.6, 268.6
30.6, 2.9, 217.1
14.6, 4.4, 315.3
32.3, 4.3, 623.3
4.4, 0.9, 361.4
12.6, 0.6, 303.3
12.6, 0.5, 265.5
8.1, 0.5, 326.6
6.6, 0.8, 262.9
6.4, 0.7, 206.1
15.7, 1.4, 353.4
7.2, 0.7, 305.7
8.4, 0.3, 147.0
7.4, 0.5, 216.5
9.2, 0.6, 302.3
6.9, 0.5, 286.8
6.5, 0.4, 187.7
8.8, 0.5, 274.1
6.7, 0.4, 182.1
4.2, 0.5, 196.5
16.6, 0.6, 351.1
9.2, 0.9, 345.4
15.8, 0.4, 350.8
8.9, 0.2, 216.4
8.5, 0.4, 244.8
11.5, 0.4, 258.2
2.6, 0.3, 143.8
DDH BX02-5
DIP: -90°
LENGTH: 48.2 m
10 m
LEGEND
Clastic sedimentary rock ± skarn mineralization
Hornblende and plagioclase phyric monzonite
Hornblende plagioclase porphyry with K-feldspar megacrysts
ANALYTICAL INFORMATION
149.5, 0.5, 731.2
Au (ppb), Ag (gm/t), Cu (ppm)
PALATINE GEOLOGICAL
BX PROPERTY
Diamond Drill Section
6277875 N
SCALE: As shown
Fig. 7
N.T.S.: 104B
DATE: March 2003
DRAWN BY: Paul Metcalfe, P.Geo



PALATINE GEOLOGICAL

BX PROPERTY

Diamond Drill Section 6277786 N

SCALE: As shown	Fig. 8
N.T.S.: 104B	DATE: March 2003
DRAWN BY: Paul Metcalfe, P.Geo	

LEGEND

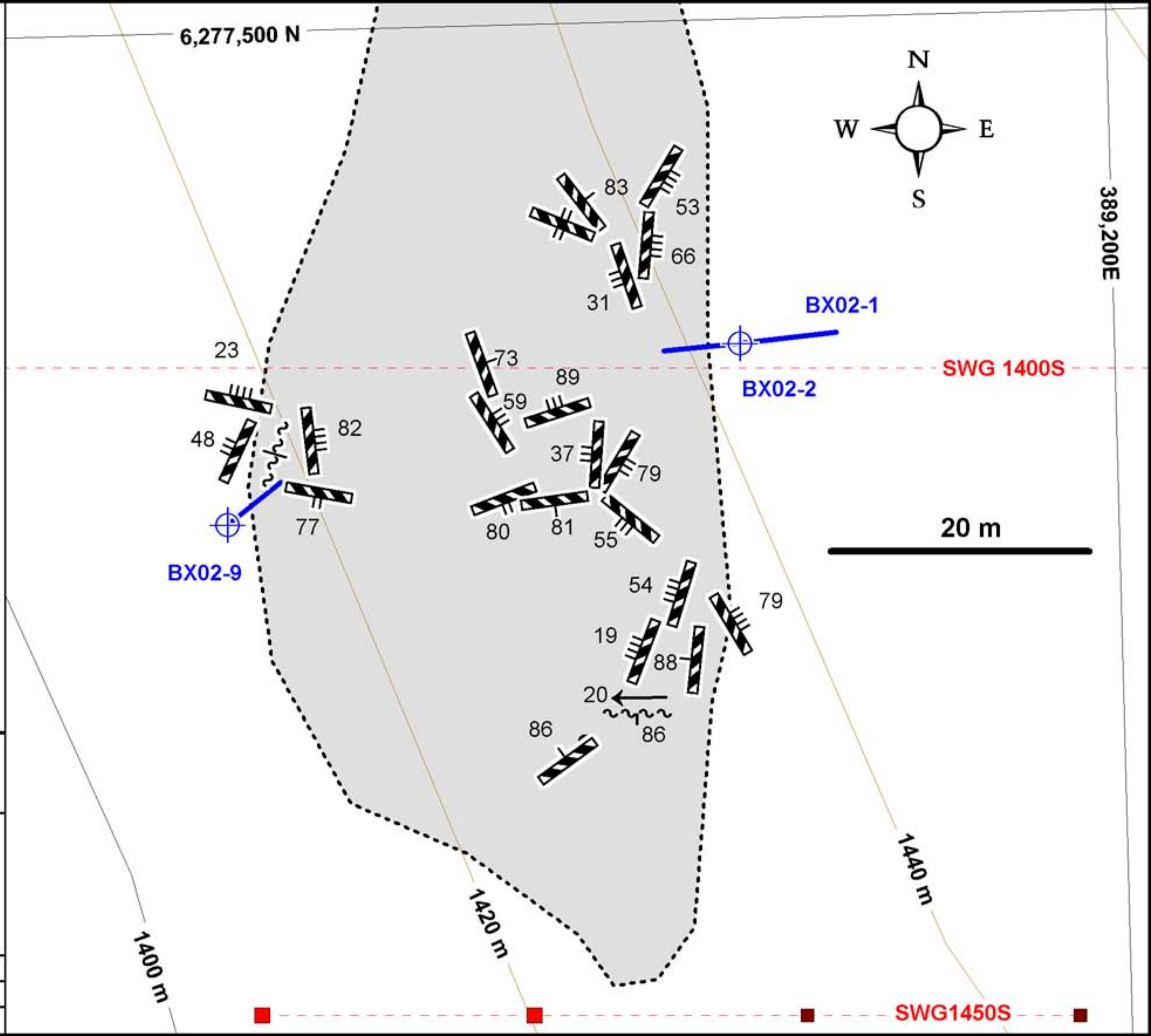
Quartz+magnetite stockwork

VEINS

- Banded quartz+magnetite (oldest)
- Planar quartz + magnetite
- Vertical planar quartz+magnetite
- Planar quartz±magnetite±sulphide
- Quartz±sericite±pyrite (youngest)

FAULTS

- Inclined fault
- Vertical fault
- Slickenside
- Diamond drill collar



PALATINE GEOLOGICAL

**Black Bluff
Diamond Drill Holes
and
Structural Measurements**

SCALE: As shown	Fig. 9
N.T.S.: 104B	DATE: March 2003
DRAWN BY: Paul Metcalfe, P.Geo	

The K-feldspar alteration is cut by multiple generations of veins, such that, in places, even the alteration assemblage has been replaced entirely to form a quartz+magnetite stockwork with patchy sulphide mineralization. The latter is developed both along pre-existing fractures or disseminated in both the quartz stockwork and host alteration.

At least four generations of veins were identified by mapping:

1. The oldest generation comprises steeply dipping banded quartz and magnetite. Strike azimuths vary but the sense of strike is generally northwesterly in the northern part of Black Bluff. In the southern part, the strike directions are less regular and include east-northeasterly directions; these may be rotated blocks in a quartz-magnetite breccia
2. Early planar quartz+magnetite veins have a general east-west strike and are subvertical or dip steeply to the south. The veins may have a magnetite core or magnetite margins.
3. Later, planar quartz veins have a wider range of strike directions, usually north-northeasterly to northwesterly, with dips ranging from steep to moderate, both east and west. Along their host fractures, sulphide mineralization has replaced part of the magnetite from earlier phases of mineralization.
4. Late-stage white or palest grey quartz or quartz+pyrite veins with associated sericite strike north-northwesterly to north-northeasterly and dip at steep angles to the east, moderate angles to the west. These are very general statements of attitude, inasmuch as this generation of vein forms irregular stockworks and may represent the final mineralizing event at Black Bluff.

The mineralization at Black Bluff, despite low values of gold remains one of only two known occurrences of this type in the western Iskut. The other forms the metallogene for the mineralization on Johnny Mountain, 18 km to the west. This significance should not be overlooked.

Soil geochemical survey on the central Southwest Grid

Soil sampling of the Southwest Grid was carried out concurrently with and after termination of the diamond drill programme, owing to the lateness of the season. A total of 93 soil samples were collected from the central grid by the authors and 39 further samples were collected during the course of prospecting. The majority of the lines were sampled at an interval of 50 m but, in the central area of the grid the sample interval was reduced to 25 m, to define and constrain existing anomalies more precisely. The line interval was 100 m. Sample locations are shown on Fig. 10.

The steep slopes (greater than 28°) on the majority of ground on the Southwest Grid generally preclude formation of a soil profile. Vegetation is patchy and transported material is ubiquitous. Two processes of downslope transportation are evident, the first from general downslope creep or (in areas) landslides. The second comprises downslope transport of blocks on snow during winter followed by settling of this material onto the surface in spring thaw. Blocks of considerable size are transported in this manner; such mass movement will logically include mineralized blocks from the skarn assemblages on the ridge. Caution is urged when interpreting the analytical results.

LEGEND

- Quartz magnetite stockwork with intense K-feldspar alteration
- Lehto Batholith
- Stuhini Group
- Fault

SOIL SAMPLING

2002

Au (ppb)

Cu (ppm)

- Au>90ppb, Cu>450ppm
- Au>90ppb
- Cu>450ppm
- Non-anomalous

1995

- Au>90ppb, Cu>450ppm
- Au>90ppb
- Cu>450ppm
- Non-anomalous

PALATINE GEOLOGICAL

General Geology and Soil Samples Southwest Grid

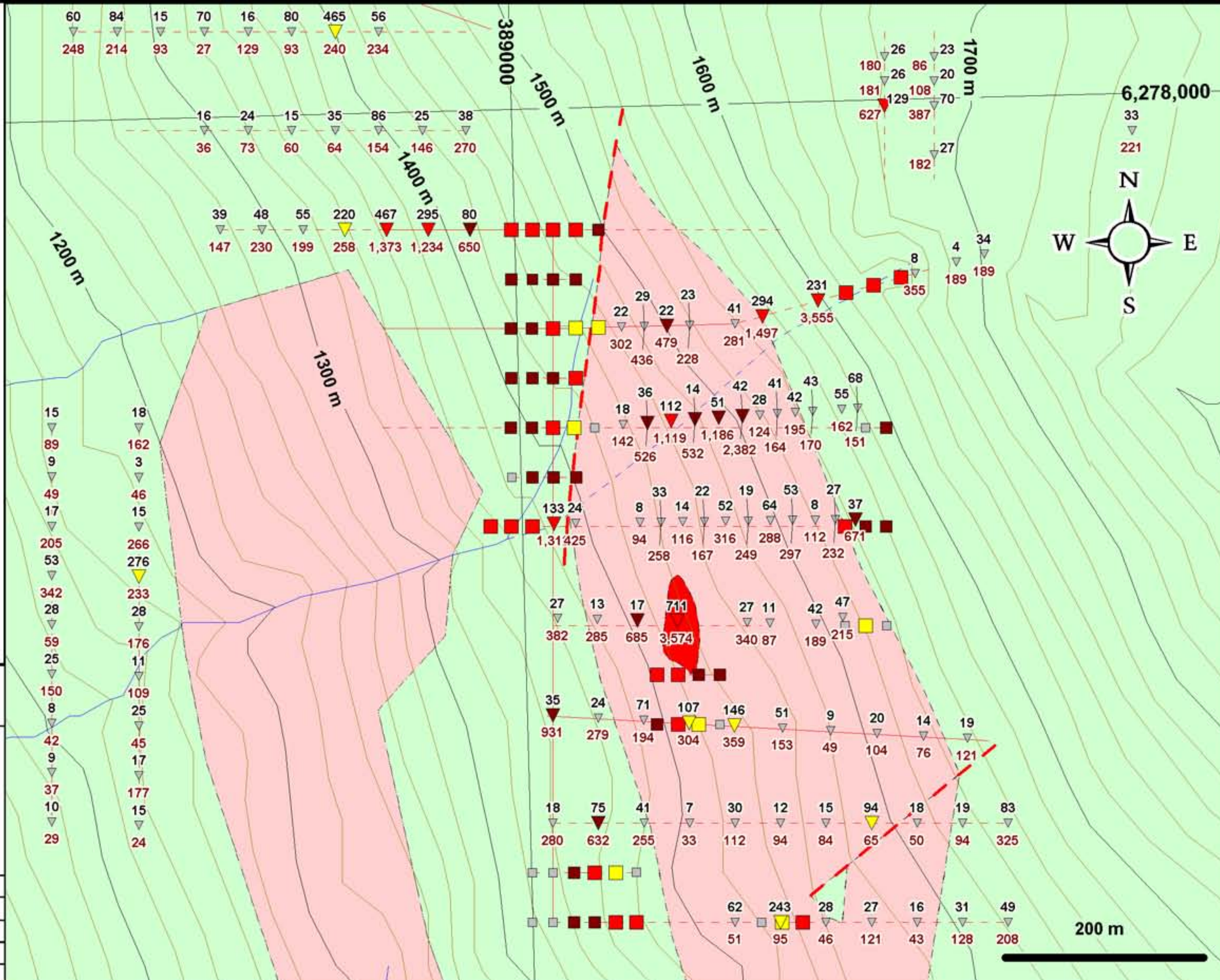
Fig. 10

Date: March 2003

N.T.S.: 104B

Scale: As shown

Drawn by: P. Metcalfe, P.Geo



On talus slopes where no soil profile was in evidence, the sample pit extended to the depth at which persistent caving of the sides and back walls began, usually 40 to 50 cm. In the rare locations where a rudimentary soil profile had developed, soil pits were dug to the depth of weathered bedrock, or to a maximum of 1.2 m. Samples were taken from the C horizon or from talus fines. Soil samples were analyzed by Acme Analytical Laboratories at their Vancouver lab, as described below. Analytical results for the main Southwest Grid are presented in Appendix D.

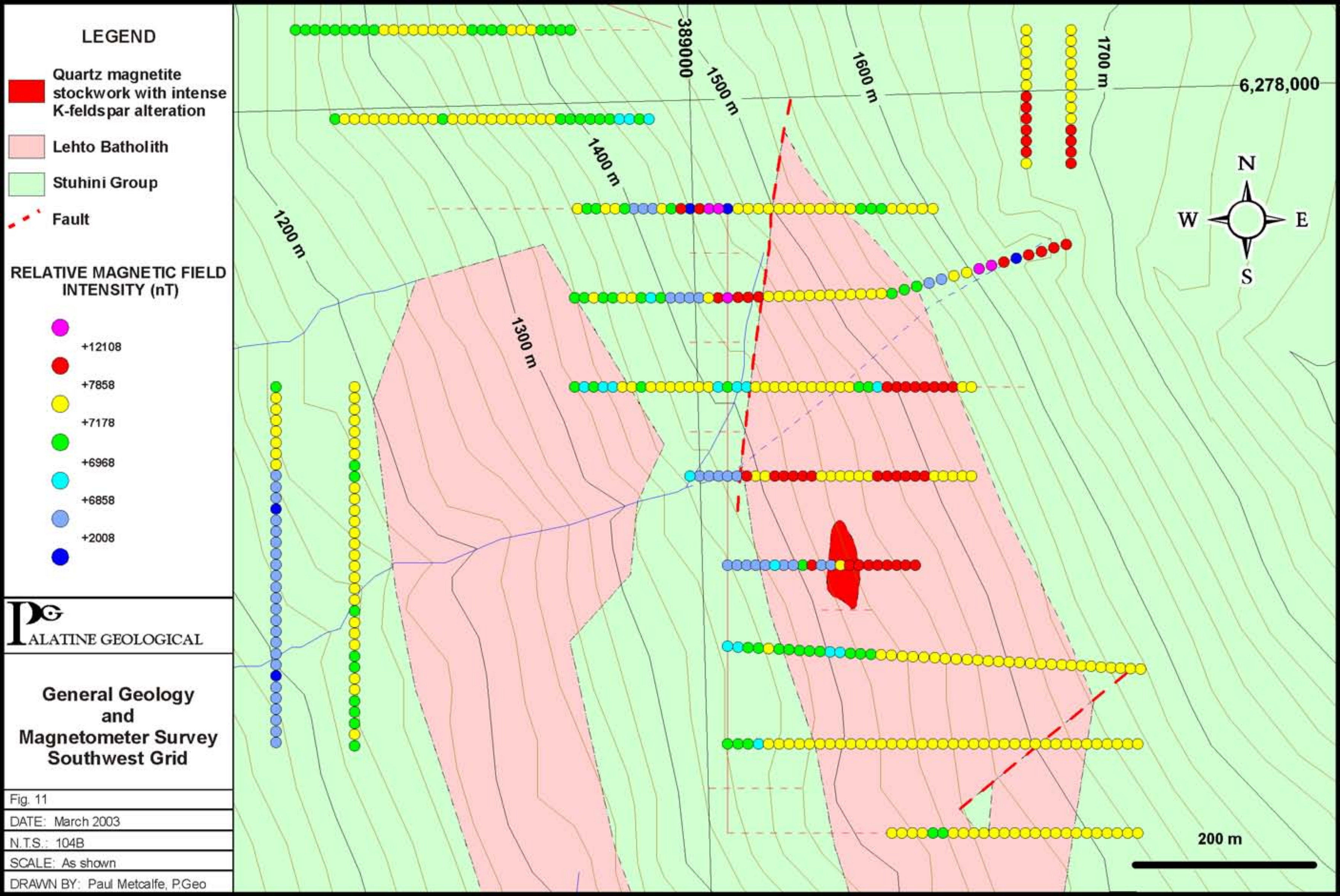
Percentile values for the small soil population are presented with the analytical data. These values are very high and are interpreted as nonrepresentative of a single population. The semiquantitative method of "log normal" frequency plots suggests that the data are representative of mixing between a non-anomalous and at least one anomalous sample population. The suggested threshold values are therefore based upon the inferred start of the mixing lines rather than percentile values. When compared to threshold values determined for Johnny Mt. (Atkinson *et al*. 1991), the gold threshold corresponds to that adopted for a nearly identical environment; the threshold for copper is somewhat higher (450ppm).

After rejecting point anomalies, which are probably transported, three main zones of interest occur on the Southwest Grid. The first is skarn mineralization, which was tested by DDH BX02-5 to BX02-8 (Figs. 4 and 10). The second anomaly extends downslope from the Lizardite Creek showing and crosses the first anomaly. This anomaly is almost certainly transported down the creek's gully from the showing. The third of the anomalies covers the southern end of Black Bluff and extends for 50m to the south. Values are generally low but the hillside at this point is a landslide; considerable dilution of any anomaly would have occurred from upslope. Two small anomalies at the southwestern end of the grid are open to the south; these are interpreted as skarn mineralization due to the presence of skarn outcrop.

Magnetometer survey on the central Southwest Grid

During the course of diamond drilling, the magnetometer survey commenced in August was extended to cover much of the central SW grid. A proton precession magneometer was used, employing standard loop closure to correct for diurnal magnetic variation. The operator was A. Kikauka. Corrected values only were returned from the survey; raw data and records of loop closure were omitted. The authors were not involved with any stage of the survey other than with the corrected data. Neither the authors nor the operator are geophysicists. In the absence of the aforementioned data and the lack of supervision by a qualified geophysicist, the survey is treated herein as a semiquantitative, albeit useful evaluation of the magnetic anomalies present in the area. The corrected data are listed in Appendix E and are presented on Fig.11. A semiquantitative numerical assessment of the values showed discontinuities in their range; the colour coding of the sample points on Fig.11 was chosen to reflect these groupings, rather than a linear scale.

Two main types of magnetic variation appear on the map. Broad zones where the magnetic field is stronger than the average of readings taken in the survey are typical of areas underlain by phases of the Lehto Batholith. These include zones along line 400E, along the central part of lines 800S to 900S and along lines 1500S to 1700S. Zones where the station-to-station variations are large and contain multiple "spikes" are generally associated with skarn mineralization, as along line 1000E and at the Lizardite Creek showing (DDH BX02-3 and DDH BX02-4).


LEGEND
Quartz magnetite stockwork with intense K-feldspar alteration
Lehto Batholith
Stuhini Group
Fault
RELATIVE MAGNETIC FIELD INTENSITY (nT)
+12108
+7858
+7178
+6968
+6858
+2008
PALATINE GEOLOGICAL
General Geology and Magnetometer Survey Southwest Grid
Fig. 11
DATE: March 2003
N.T.S.: 104B
SCALE: As shown
DRAWN BY: Paul Metcalfe, P.Geo
389000
6,278,000
1200 m
1300 m
1400 m
1500 m
1600 m
1700 m
N
W
E
S
200 m

The spacing of lines on the main grid (100 m) permits only a general line-to-line correlation of the magnetic patterns. The discontinuity between the skarn targets near 1000S 1000E and the slope above is apparent, but the pattern is lost to the south, where the skarn pendants are, possibly, offset by a fault. Two general magnetic "highs" converge from the north-northwest and north-northeast on Black Bluff; these are consistent with some of the structural measurements taken on the Bluff, but extend only over two lines. Infill measurements should be taken if further work is approved at Black Bluff.

Claim staking

As described above, significant additions were made to the property during the course of September fieldwork. The BX 5 to 9 claims were staked, a total addition of 86 units to the existing claims, covering the northern part of Sericite Ridge and the Snippaker Creek valley. In addition, a second property, comprising 20 units, was located 10 km east-northeast of the main BX group, to cover a trend of past occurrences which extends for more than a kilometre in a southeasterly direction. The extent of the newly acquired ground precluded its exploration during the time available.

Prospecting and stream sediment sampling

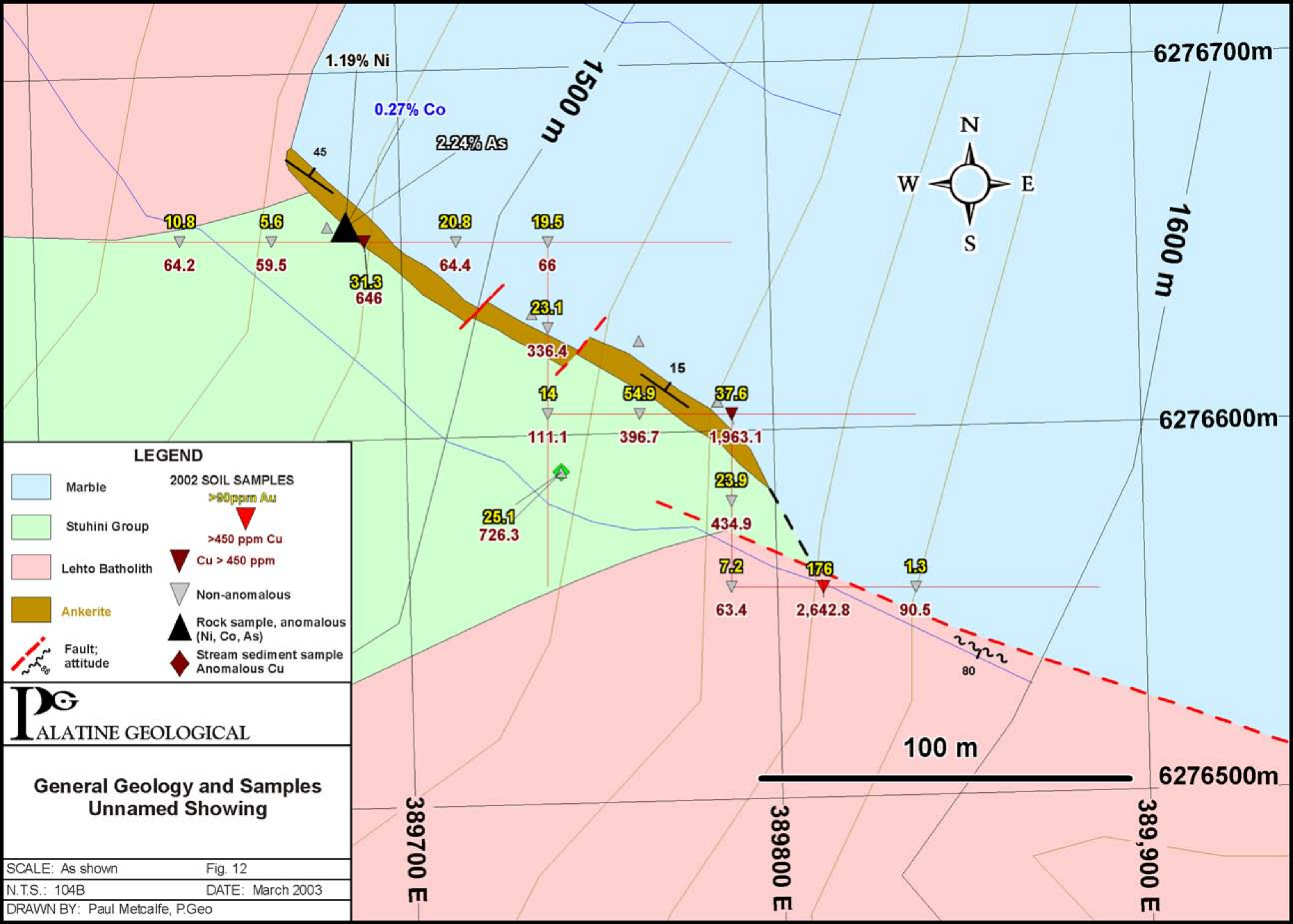
A range of rock and stream sediment samples was collected by A. Kikauka during the course of September 2002 fieldwork. Sample locations and analytical results for rock and stream sediments are listed in Appendices F and G, respectively. Statistical values obtained from the Regional Geochemical Survey (RGS; GSB/GSC 1987) and threshold values determined from inspection of frequency diagrams are appended to the data in Appendix G. The small population size for surface rock samples precluded an accurate assessment of anomalous values; values for Au (200 ppb), Ag (1.2 ppm), Cu (1100 ppm), Pb (400 ppm), Zn (7000 ppm), As (15 ppm) and Mo (100 ppm) were adopted from inspection of the diamond drill results.

The stream sediment samples collected were mainly from the northern part of the main (central) BX property, taken on creeks draining the northern part of the claims. Of these, roughly half are strongly anomalous in Au (Fig.2) and two are anomalous in Cu. Four samples from the western side of the ridge are anomalous in Au and/or Cu.

Two specific areas within the main part of the property were selected for follow-up by prospecting. These are described below:

Unnamed Showing

Geological mapping and prospecting was carried out at the Unnamed Showing by A. Kikauka during the course of September fieldwork. A small soil grid was constructed across the contact between hornfelsed Stuhini Group rocks and a limestone/marble unit; both sedimentary units are bounded by contacts with the Lehto Batholith (Fig. 12). A total of six rock samples, one stream sediment sample and thirteen soil samples were collected from the vicinity of the showing.



1.19% Ni
0.27% Co
2.24% As
45
1500 m
1600 m
N
W
E
S
6276700m
6276600m
6276500m
10.8
64.2
5.6
59.5
31.3
646
20.8
64.4
19.5
66
23.1
336.4
15
14
111.1
54.9
396.7
37.6
1,963.1
23.9
434.9
25.1
726.3
7.2
63.4
176
2,642.8
1.3
90.5
80
100 m
389700 E
389800 E
389,900 E
LEGEND
Marble
Stuhini Group
Lehto Batholith
Ankerite
Fault; attitude
2002 SOIL SAMPLES
>90ppm Au
>450 ppm Cu
Cu > 450 ppm
Non-anomalous
Rock sample, anomalous (Ni, Co, As)
Stream sediment sample Anomalous Cu
PALATINE GEOLOGICAL
General Geology and Samples
Unnamed Showing
SCALE: As shown
Fig. 12
N.T.S.: 104B
DATE: March 2003
DRAWN BY: Paul Metcalfe, P.Geo

Reconnaissance mapping of the showing indicates that the mineralization occurs at the contact between a marble unit and hornfelsed Stuhini Group metavolcanic rocks. The Triassic rocks comprise a screen or pendant in the margin of the Lehto Batholith. The mineralized structure dips gently to moderately to the northeast.

Results from the sampling are inconclusive. A single rock sample returned an analytical result of 1.19% Ni, 0.28% Co and 2.24% As (also 51 ppm Sb and 82 ppm Bi). Two soil samples returned values of 1963 ppm and 2642 ppm of copper, coincident with 556 ppm and 460 ppm Co. Four more samples across the zone were anomalous in Co, but consistent gold values were not returned. The elevated values of Co, As, Sb and Bi in rock and soil are diagnostic of the pyroxene-rich calcic subtype of Au skarns; the elevated Ni values in the single rock sample are not understood at present. Further work is required before advanced exploration targets can be defined.

Middle Ridge

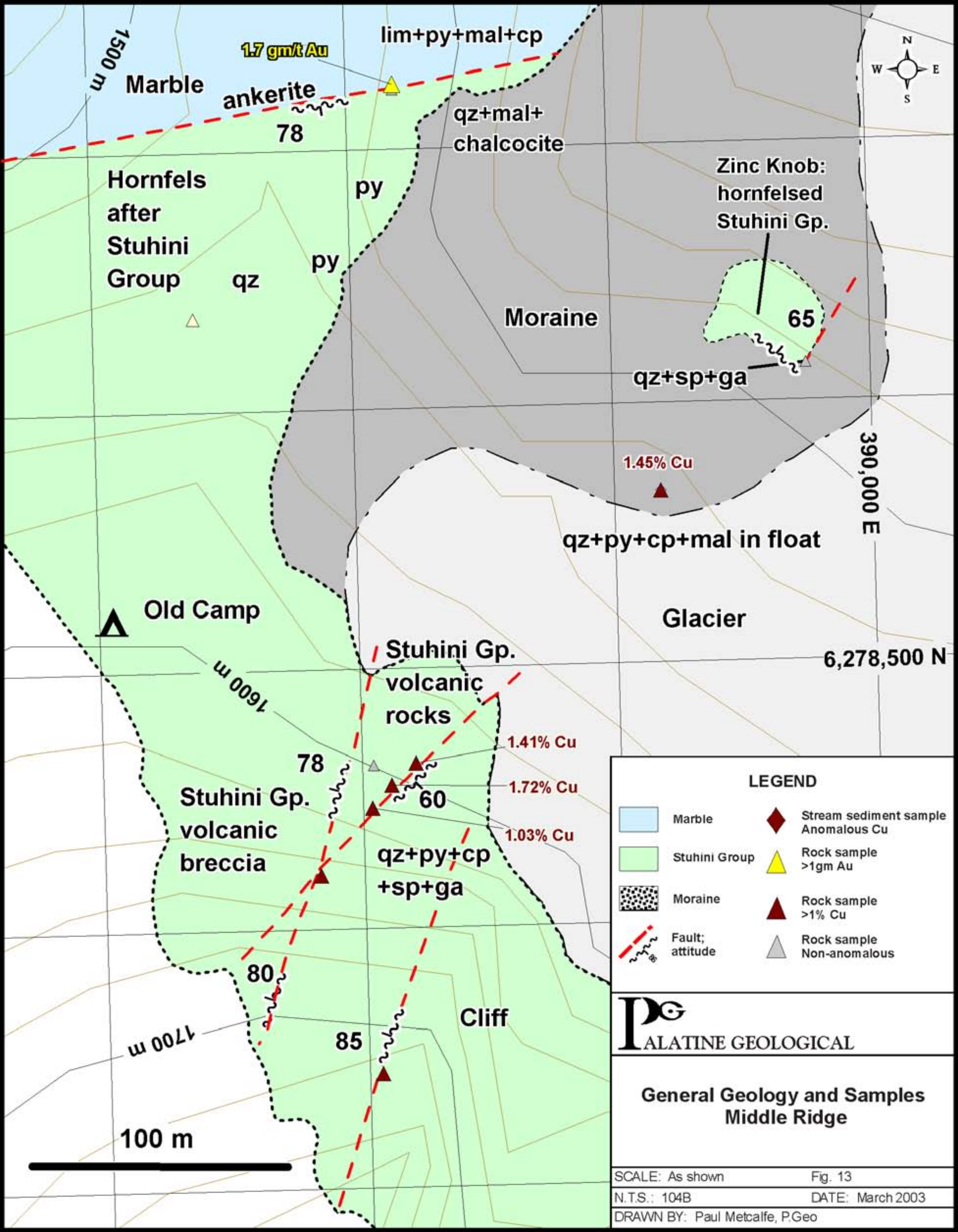
Fieldwork was carried out by A.Kikauka on the showings along the Middle Ridge. A generalized geological map is shown in Fig. 13. A total of 10 rock samples and 1 stream sediment sample were collected. The hosts for the mineralization are hornfelsed Stuhini Group volcanic rocks in contact with a marble unit. Six of the ten rock samples returned values in excess of 1% Cu. However Au values are low, save in a single sample which returned a value of 1.74 gm/t over a width of 4.0 m. The single stream sediment sample is strongly anomalous in Pb and weakly in Ag, but not in any other base or precious metals. No justification for advanced work can be made until more detailed sampling is carried out in the immediate area, particularly on the sole gold occurrence.

Exploration of the BX 10 property

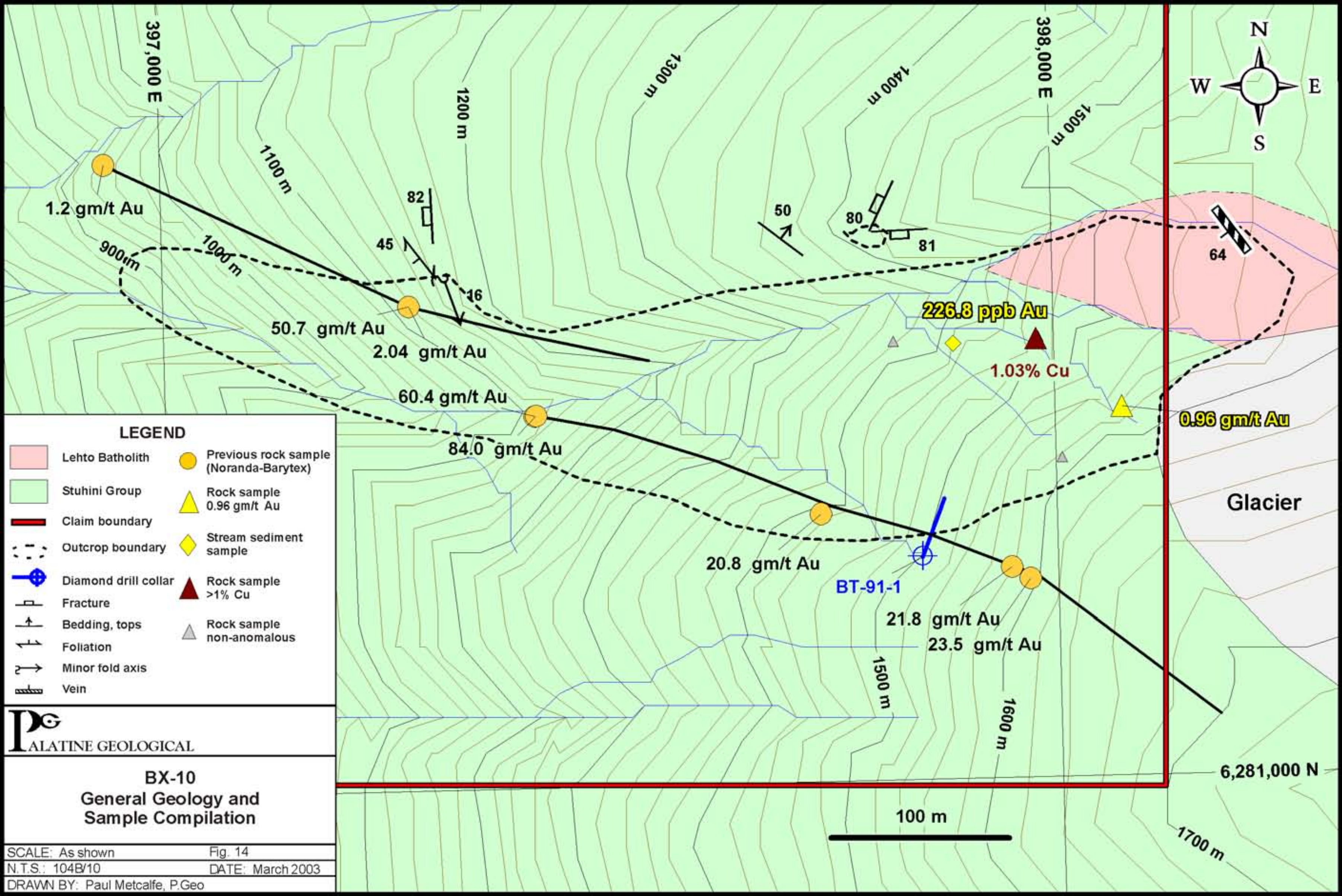
The BX 10 claim was located by A.Kikauka on September 13th 2002. The authors used the opportunity to visit the property and carried out reconnaissance mapping north of the creek hosting the showing. The precipitous north bank of the creek and falling rock precluded access to the showing, but useful information was returned from the traverse (Fig. 14).

The BX 10 property is underlain by clastic sedimentary rocks assigned to the Stuhini Group (Alldrick *et al*. 1990). In the area examined, the sedimentary strata are upright; they strike 305-310° and dip northeasterly at roughly 50°. The inclined bedding exhibits a weak flexure about an east-west axis. The projected intersection of the foliation with the bedding is crudely horizontal and the angle of intersection is close to 90°. Intersecting joints indicated stress perpendicular to the foliation; this is interpreted as an axial planar foliation. The gold-bearing structure reported from the BX 10 therefore lies nearly parallel to an interpreted axial planar foliation in a northwesterly trending, northeast-vergent anticline. This anticline is in the hanging wall of a contact with the metallogenic Lehto Batholith. The structural and lithological setting are identical to those at SNIP.

On the south side of the creek prospecting by A.Kikauka located a gold-bearing zone which returned a value of 0.96 gm/t Au from subcrop and 1.03% Cu over 0.4m from outcrop. The structures described by Kikauka trend generally between 123 and 135°, which is the projected trace of a 140° striking, moderately dipping structure on the steep south wall of the gully.



1500 m
1.7 gm/t Au
lim+py+mal+cp
Marble
ankerite
78
qz+mal+
chalcocite
Hornfels
after
Stuhini
Group
qz
py
py
Zinc Knob:
hornfelsed
Stuhini Gp.
Moraine
65
qz+sp+ga
1.45% Cu
390,000 E
qz+py+cp+mal in float
Old Camp
Glacier
Stuhini Gp.
volcanic
rocks
6,278,500 N
1600 m
1.41% Cu
78
1.72% Cu
60
Stuhini Gp.
volcanic
breccia
1.03% Cu
qz+py+cp
+sp+ga
80
Cliff
1700 m
85
100 m
LEGEND
Marble
Stuhini Group
Moraine
Fault; attitude
Stream sediment sample Anomalous Cu
Rock sample >1gm Au
Rock sample >1% Cu
Rock sample Non-anomalous
PALATINE GEOLOGICAL
General Geology and Samples
Middle Ridge
SCALE: As shown
Fig. 13
N.T.S.: 104B
DATE: March 2003
DRAWN BY: Paul Metcalfe, P.Geo


397,000 E
398,000 E
6,281,000 N
900 m
1000 m
1100 m
1200 m
1300 m
1400 m
1500 m
1600 m
1700 m
N
S
W
E
1.2 gm/t Au
50.7 gm/t Au
2.04 gm/t Au
60.4 gm/t Au
84.0 gm/t Au
20.8 gm/t Au
21.8 gm/t Au
23.5 gm/t Au
226.8 ppb Au
1.03% Cu
0.96 gm/t Au
BT-91-1
Glacier
82
45
16
50
80
81
64
100 m
LEGEND
Lehto Batholith
Stuhini Group
Claim boundary
Outcrop boundary
Diamond drill collar
Fracture
Bedding, tops
Foliation
Minor fold axis
Vein
Previous rock sample (Noranda-Barytex)
Rock sample 0.96 gm/t Au
Stream sediment sample
Rock sample >1% Cu
Rock sample non-anomalous
PALATINE GEOLOGICAL
BX-10
General Geology and Sample Compilation
SCALE: As shown
Fig. 14
N.T.S.: 104B/10
DATE: March 2003
DRAWN BY: Paul Metcalfe, P.Geo

A brief review of previous data revealed a discrepancy in locations between Kikauka's sampling and that carried out previously. The gully sampled by Kikauka is over 200 m to the northeast of the mapped location of the structure tested by Noranda. If the reasonable assumption is made that the structures are subparallel, then the interval measured perpendicular to their planes is 150 m. It is apparent that the previous drilling did not address the entirety of the mineralization.

The system of subparallel Au-bearing veins is a distinctive feature of the SNIP deposit. A significant factor in exploration of that deposit was the presence of intense potassic and biotitic alteration. This is a characteristic of all economic and subeconomic deposits of the style in the western Iskut. None has been found to date on ground covered by the BX 10 claim.

Analytical samples

A total of 110 diamond drill core, 32 surface rock, 132 soil and 34 stream sediment samples were taken during the course of 2002 exploration. Rock samples were collected in clean 8 x 13 polythene bags, each clearly marked with its sample number. Soil samples were collected in clean brown paper envelopes. Neither were sealed in the field in order to allow some drying prior to transport. Following return to camp, rock samples were secured with ties and sample tags attached.

Sample Security

Other than the aforementioned field crew, no other person handled the unsealed samples prior to their arrival at an analytical facility. Of the field personnel, the party chief A.A. Kikauka had and retains an interest in the BX property. His sampling in the general area of the main BX property identified at least two zones of mineralization, which should be confirmed by replicate sampling prior to more advanced work. He also managed the diamond drill programme and therefore had access to the diamond drill core. He did not assist with logging or sampling. Accordingly, two discrete intervals were split, then quartered during the course of sampling. One quartered split of each interval was kept securely in the equipment box of Palatine Geological. The other split remained with the balance of the core samples. The existence of the replicates was known only to Palatine personnel.

The security described above does not preclude interference with analytical results from an interested party. Nevertheless the ubiquitously low values returned from drill core samples preclude such an occurrence. Moreover, the principal author had occasion to observe Mr. Kikauka's sampling techniques in the field. While there are disparities between his techniques and those of the authors, these do not disqualify the rock samples from consideration. The same conclusions apply to the soil samples as for the rock samples. Line 600S, sampled by Mr. Kikauka, is non-anomalous and effectively constrains the geochemical anomaly associated with Black Bluff. The authors are certain that the 2002 dataset for the BX property is free from spurious values.

Analytical techniques and replicability

The entire sample set was analyzed at the Vancouver facility of Acme Analytical Laboratories. Rock samples were crushed to -10 mesh and a 250 gm split was pulverized to -150 mesh. A 30 gm split of each pulp was leached in hot *aqua regia* and analyzed by inductively coupled plasma emission spectroscopy (ICP-ES). Soil and stream sediment samples were dried and sieved to -80 mesh; the analytical technique was the same as that used for rock. Results are presented in tabular form in Appendices C, D, F and G.

Two unmarked replicates each in the soil and diamond drill core sample sets provided a measure of external quality control (Tables H-1 and H-2 in Appendix H). Values in these unmarked replicates show a consistently greater variance than ;laboratory replicates, but in general show reasonable agreement for base and precious metals in both rock and soil.

The numbers of soil and drill core samples permitted a rudimentary assessment of threshold values. Too few surface rock and stream sediment samples were collected for a similar assessment, but comparison with values from drill core suggests that the surface rock samples can be treated as part of the same population. The stream sediment samples were compared with those obtained by the regional geochemical survey (BCGSB/GSC 1987). In each case, threshold values determined from the larger populations are appended to the data in Appendices F and G.

Discussion and conclusions

The diamond drill program conducted on the BX claims during the autumn of 2002 did not return favourable results. This was in part due to the lack of suitability of the equipment selected and in part due to the lack of time available for preparation work before the onset of winter conditions at alpine elevations.

Despite the difficulties, two of the selected targets were adequately tested. The first of these was the showing in Lizardite Creek. One of the two short holes intersected mineralization exposed in the gully and also a large fault downhole from the mineralized zone which appears to offset the mineralization. The showing and its projected intersection in DDH BX02-3 returned anomalous values of Au and Cu over short intervals (1 gm/t over 1.3 m and 0.15% over 1.5 m respectively). DDH BX02-4 passed rapidly downhole into blocks and sand associated with a fault; the fault is either large or adversely oriented to a vertical drillhole. Significant values of Au and Cu were intersected throughout the hole (0.3 gm/t Au and 0.55% Cu over 15.2 m), but the lack of consolidation in the material and consequent poor core recovery (as little as 60% in some sections) precludes definition of the mineralized zone. The fault appears to offset the mineralized zone and no further drilling is recommended until the presence or absence of an extension to the mineralization to the east of the fault is determined by more fieldwork.

The anomaly located at the hub of the Southwest Grid was tested to a depth of 48 and 33 m by two holes, both of which intersected a gently dipping pendant or screen of clastic sedimentary rocks lying above intrusive rocks of the Lehto Batholith. While gold values are locally high in selected samples at surface, the lack of grade continuity, the low gold to silver ratio in all diamond drill samples from this zone and the restricted volume of the host rocks all suggest that this area is not prospective. In addition, the presence of a large fault may be at least partly responsible for the conductive structures detected in the geophysical survey.

The second target on the central Southwest Grid comprises extensively fractured material indicating the presence of a major fault or faults, which are probably the source of the conductivity anomaly described in an earlier report. Despite poor core recovery the drilling intersected the contact between mineralized metasedimentary rocks and an underlying, comparatively barren monzonite of the Lehto Batholith. The mineralized metasedimentary rocks underlying the soil geochemical anomaly are of restricted extent and contain only trace values of gold. No further drilling is recommended here unless substantial, consistent values of gold are returned from trenching and surface sampling in the future.

None of the three holes collared in the vicinity of the Black Bluff quartz+magnetite stockwork reached their targets. The intense alteration and mineralization intersected by two of the short holes returned only trace values of gold. A weakly elevated value of silver was returned from one sample. Malachite staining and elevated copper values suggest the presence of a metalliferous system but the ground tested represents a barren part of that system. Black Bluff has not been tested adequately by the exploration to date. The abrupt margins of the quartz+magnetite outcrop and the source of the persistent gold and copper soil anomaly immediately south of the Bluff could be resolved by surface trenching to locate economic mineralization, before a second phase of drilling is contemplated. Soil sampling and ground magnetometer surveying have proved useful and relatively inexpensive techniques which would augment trenching and rock sampling.

Geological mapping carried out during the diamond drill programme confirmed the presence of three main structural directions, expressed in the intense quartz+magnetite±sulphide veining at Black Bluff. Despite brecciation and rotation of some areas of the massif, the predominant structural trend for the older, banded quartz+magnetite veining is northwest to north-northwest, with a steep northeasterly dip. Many of the later quartz+magnetite veins strike north-northeasterly with extremely variable dips. Pyrite and trace chalcopyrite replace magnetite along fractures; the sulphide minerals are explicitly associated with late-stage, retrograde epidote.

It is possible that the present level of exposure at Black Bluff is too high in the mineralized system for significant deposit of gold. Nevertheless, the mineralization and alteration discovered by Kikauka are identical in style and intensity to that at Red Bluff, 18 km to the west-northwest, which is the inferred metallogene for both the SNIP and Stonehouse gold deposits. Detailed surface rock sampling, infill soil sampling and (where appropriate) trenching are necessary to evaluate Black Bluff as a target before any more resources are committed to drilling.

Samples returned from the Unnamed Showing and the Middle Ridge were not rich enough in precious metals to warrant more advanced work at this stage. If the budget permits, a more detailed program of sampling in the vicinity of each showing might produce better results.

Sampling carried out during the staking of BX 10 returned one value of 0.95 gm/t Au. The sample is noteworthy because it is the only sample returned from 2002 fieldwork with values of gold in excess of those for silver. For this reason, further exploration of the Ernie Creek mineral occurrence should be prioritized for 2003.

The results from the 2002 field season, in terms of their absolute values, are not encouraging. Nevertheless the discovery of the Black Bluff stockwork and alteration and its implications for the potential of the property should not be ignored. At Johnny Mountain, both the overall resource, in grams and the ratio of gold to silver decrease at higher elevations in the system. The greatest overall resource located to date in the western Iskut and the only economically viable deposit lies at valley level, at the base of Johnny Mountain. Exploration to date in the western Iskut has focused almost exclusively on the more easily accessible ridge crests.

Recommendations

Two essential variables of the BX property have changed during the course of 2002 fieldwork. The first is the substantial increase in the size of the property, significantly beyond the area reviewed by Metcalfe (2002). The second is the discovery of a strongly altered and mineralized quartz magnetite zone identical to that at Red Bluff yet locally barren. Prematurely drilled, the zone requires surface panel sampling and further mapping, in order to trace its extension north and south of the faults which apparently bound it.

The following are recommended:

General:

1. No further drilling is recommended at present. Two of the targets were adequately tested by drilling in 2002 and found to be either barren or fault bounded. A third (Black Bluff) was drilled prematurely, prior to detailed surface sampling which remains to be carried out.
2. A requirement for the next stage of exploration is a comprehensive review of all data pertinent to the Sericite Ridge and Ernie Creek areas, with particular reference to assembling a clean electronic database of available geochemical information.Where this is impossible, the areas covered by previous surveys should be collated, to identify gaps in coverage.
3. A complete set of aerial photographs for the area should be acquired, either from Mr L. Harris, who retains a set from the exploration ofthe WOLF property or by fresh acquisition from the appropriate Ministry.

BX 10:

1. A detailed programme of rock and soil geochemical sampling to identify the surface trace of the mineralized zone. Trenches should be excavated to test the projected mineralization at surface. The results of sampling should be considered successful if the trace of the mineralized zone is located accurately even if analytical results from surface are sporadic and/or poor. In particular, the general variation of gold to silver values returned from analysis and their relationship with elevation and proximity to the Lehto intrusion should be noted.
2. A programme of prospecting should be carried out concurrently with (1), focusing on mineralized structures in the footwall and hanging wall of the known structure and the extension of all such structures to the contact with the Lehto intrusion
3. Detailed structural mapping should be carried out on every surface exposure of mineralized structures. Sections should be constructed perpendicular to strike, from previous and current work to establish the probable up-dip / down-dip continuity of the structure.
4. Contingent ***entirely*** upon favourable results from the initial work, a minimum of six diamond drill holes should be collared with the objective of intersecting the structure at significant depth, ie: at an elevation and proximity to the Lehto contact amenable to gold deposition.

BX 5 to 7:

1. Establishment of a base camp in the valley of Snippaker Creek and construction of three to five helicopter-accessible clearings along the lower slopes of Sericite Ridge and, if necessary, on Monument Creek.
2. Detailed prospecting and stream sediment sampling, particularly in a highly oxidized zone located in an embayment of the hillside at an approximate location of 386700E 6275000N (UTM NAD83). To the best of the authors' present knowledge and that of A.Kikauka, the area has never been explored.
3. Construction of a soil grid on areas of sulphide mineralization or areas of anomalous geochemistry.

Main BX property:

1. Detailed sampling of Black Bluff and trenching of the area immediately to the south.
2. Prospecting of the areas along structural strike from Black Bluff, to the northwest and southeast. In particular, the areas along the base of slope on the east bank of Snippaker Creek on the BX 8 and 9 claims should be examined.
3. Follow-up soil sampling would be contingent on favourable results from the first phase of exploration.

The estimated costs for the first and second phases of exploration are, respectively $160,000 and $280,000. A detailed budget for both phases is presented in App X. The reader will note that the second phase, comprising diamond drilling, is conditional on finding favourable and continuous occurrences.

Acknowledgements

This report is based upon numerous sources among those geologists from industry, public service and academe who have visited the area before and at greater length. We wish to reiterate our thanks to Dani Alldrick of the British Columbia Geological Survey Branch for his advice regarding the stratigraphic setting of the BX property, to Bob Anderson of the Geological Survey of Canada for his clear, incisive and evolving picture of the tectonostratigraphic setting of the Golden Triangle, to the Mineral Deposits Research Unit at the University of British Columbia for kindly consenting to our use of their data and to David A. Yeager of Skyline Gold Corporation for his advice, both geological and logistical. Lastly, far from least, we thank Barrick for the use of their road and for their hospitality.

References

Alldrick, D.J., Britton, J.M., Maclean, M.E., Hancock, K.D., Fletcher, B.A. and Hiebert, S.M., 1990. Geology and Mineral Deposits - Snippaker Area (NTS 104B/6E, 7W, 10W, 11E). British Columbia Ministry of Energy, Mines and Petroleum Resources Open File 1990-16.

Anderson, R.G., 1989. A Stratigraphic, Plutonic and Structural Framework for the Iskut River Map Area, Northwestern British Columbia. *In:* Current Research, Part E. Geological Survey Of Canada Paper 89-1E, pp. 145-154.

Anderson, R.G. and Thorkelson, D.J., 1990. Mesozoic Stratigraphy and Setting for some Mineral Deposits in the Iskut River Map Area, Northwestern British Columbia. *In:* Current Research, Part E, Geological Survey Of Canada Paper 90-1E, pp. 131-139.

Atkinson, J., Metcalfe, P. and Moore, M.J. 1991. Bronson Project; summary report on the 1990 exploration program. Skyline Gold Corp./Placer Dome Inc. Joint Venture report, unpubl., 89p.

Bevier, M.L. and Anderson, R.G., 1991. Jurassic geochronometry in NW Stikinia (56-57° N), British Columbia. Geological Society of America, Abstracts with Programs 23, p.A191.

British Columbia Geological Survey Branch, 1991-2003. MINFILE.

British Columbia Geological Survey Branch, 1999-2003. The Map Place. www.em.gov.bc.ca /Mining/Geolsurv/MapPlace

British Columbia Geological Survey Branch and the Geological Survey of Canada, 1987. British Columbia regional geochemical survey program, NTS 104B, Iskut River, BC: RGS 18/GSC Open File 1645.

Britton, J.M., Fletcher, B.A. and Alldrick, D.J. 1990. Snippaker Map Area. *In:* Geological Fieldwork 1989; British Columbia Ministry Of Energy, Mines and Petroleum Resources Paper 1990-1, pp. 115-125.

Brown, D.A., Logan, J.M., Gunning, M.H., Orchard, M.J., AND Bamber, E.W., 1991, Stratigraphic evolution of the Paleozoic Stikine assemblage in the Stikine and Iskut rivers area, northwestern British Columbia (NTS 104G and 104B). Canadian Journal of Earth Sciences, 28, pp. 958-972.

Chung, P.L., 1989. Geochemical and Geological Report on the Central Property. British Columbia Ministry of Energy, Mines and Petroleum Resources Assessment Report 19460, 28p.

Chung, P.L. and Kushner, W.R., 1990. Summary Report on the Sericite Ridge Property. British Columbia Ministry of Energy, Mines and Petroleum Resources Assessment Report 20745, 36p.

Ettlinger, A.D. and Ray, G.E., 1989. Precious metal enriched skarns in British Columbia: an overview and Geological study. British Columbia Ministry of Energy, Mines and Petroleum Resources. Paper 1989-3, 128 p.

Evenchick, C.A. 1991a. Geometry, evolution, and tectonic framework of the Skeena fold belt, north central British Columbia. Tectonics 10, pp. 527-546.

Evenchick, C.A. 1991b. Structural relationships of the Skeena Fold Belt west of the Bowser Basin, northwest British Columbia. Canadian Journal of Earth Sciences 28, pp. 973-983.

Geological Survey of Canada, 1957. Stikine River Area, Cassiar District, British Columbia. Geological Survey of Canada Paper 9-1957.

Goad, B.E., 1989. Geological and Geochemical Report on the Cam 1-4 Claims. British Columbia Ministry of Energy, Mines and Petroleum Resources Assessment Report 19760, 71p.

Grill, E. and Savell, M.J., 1992. Diamond Drill Report on the Mystery and Chance Claims. British Columbia Ministry of Energy, Mines and Petroleum Resources Assessment Report 22036, 28p.

Grill, E.,Savell, M.J. and Wong, T., 1990. Geological, Geochemical and Geophysical Report on the Arc 10-12 Claims. British Columbia Ministry of Energy, Mines and Petroleum Resources Assessment Report 21067, 67p.

Grill, E. and Wong, T., 1990. Chance 2 and 4 Claims Geological, Geochemical and Geophysical Report on the Mystery 1-2 and. British Columbia Ministry of Energy, Mines and Petroleum Resources Assessment Report 20845, 112p.

Grove, E.W., 1986. Geology and mineral deposits of the Unuk River-Salmon River-Anyox area. British Columbia Ministry of Energy, Mines and Petroleum Resources Bulletin 63, 434 p.

Gunning, M.H., 1992. Carboniferous limestone, Iskut River region, northwest British Columbia. *In:* Current Research, Part A, Geological Survey of Canada, Paper 92-1A, pp. 315-322.

Hall, B.V., 1983. Geological, geochemical and geophysical report on the Central claim block, Snippaker Creek area. British Columbia Ministry of Energy, Mines and Petroleum Resources Assessment Report 11313.

Henderson, J.R., Kirkham, R.V., Henderson, M.N., Payne, J.G., Wright, T.O., and Wright, R.L., 1992. Stratigraphy and structure of the Sulphurets area, British Columbia. *In:* Current Research, Part A, Geological Survey of Canada, Paper 92-1A, pp. 323-332.

Kikauka, A.A., 1994. Geological, geochemical and geophysical report on the Wolf claim group, Iskut River, British Columbia for Guardian Resource Corp. British Columbia Ministry of Energy, Mines and Petroleum Resources Assessment Report 23,638, 43p.

Kikauka, A.A., 1995. Geological, Geophysical and Geochemical Report on the Wolf Claim Group. British Columbia Ministry of Energy, Mines and Petroleum Resources Assessment Report 24437, 74p.

Kucera, R.E. 1994. Report on the 1994 aerial photo interpretation, Wolf claim group. Guardian Enterprises Ltd, unpubl report, 5p.

Kuran, D.L., 1990. Geological and Geochemical Report on the Cam 1-4 Claims. British Columbia Ministry of Energy, Mines and Petroleum Resources Assessment Report 20371, 37p.

Lefebure, D.V., 1989. Gold deposits of the Stewart-Iskut River Gold Belt. Abstract, Prospectors and Developers Annual Convention Abstracts, March 7th, 1989.

Lefebure, D.V. and Gunning, M.H., 1989. Geology of the Bronson Creek Area, British Columbia. British Columbia Ministry Of Energy, Mines and Petroleum Resources Open File 1990-16.

Lewis, P.D., Toma, A. amd Tosdal, R.M. 2001. Metallogenesis of the Iskut River area, northwestern British Columbia. Mineral Deposit Research Unit (University of British Columbia) Special Publication 1.

Logan, J.M., Koyanagi, V.M. and Drobe, J.R., 1990. Geology and mineral occurrences of the Forrest Kerr-Iskut River area, N.W. B.C. (NTS 104B/15). B.C. Geological Survey Branch, Open File Map 1990-2.

McClelland, W.C., 1992. Permian and older rocks of the southwestern Iskut River map area, northwestern British Columbia. *In:* Current Research, Part A: Geological Survey of Canada, Paper 92-1A, pp. 303-307.

McLeod, J.W., 1988. Geological and Prospecting Report on the Josh Mineral Claim Group. British Columbia Ministry of Energy, Mines and Petroleum Resources Assessment Report 16,855, 22p.

Marsden, H., 1993. Geological and Geochemical Report on the Ser Claims. British Columbia Ministry of Energy, Mines and Petroleum Resources Assessment Report 23198, 35p.

Metcalfe, P., 1988. Red Bluff Project. Skyline Gold Corporation Report (unpubl.) 88-230, 187 p.

Metcalfe, P., 2002. Geological compilation of the BX 1 & 2 mineral claims, Iskut River, British Columbia for Parkside 2000 Resources Corp. and Goldrea Resources Corp. National Instrument 43-101 Report, 50p.

Metcalfe, P. and Moors, J.G., 1993a. Lithostratigraphy and mineralization of the Bronson Corridor, Iskut River area, northwestern British Columbia. Geological Association of Canada Annual Meeting, Edmonton, Alberta, Program with Abstracts 16, p.70.

Metcalfe, P. and Moors, J.G., 1993b. Refinement and local correlation of the upper Snippaker Ridge section, Iskut River Area, B.C. (104B/10W and 11E). *In*: Geological Fieldwork 1992; British Columbia Ministry of Energy, Mines and Petroleum Resources Paper 1993-1, pp.335-339.

Nadaraju, G.T. and Smith, P.L., 1992a. Jurassic Biochronology in the Iskut River Map Area, British Columbia: A Progress Report. *In:* Current Research, Part A; Geological Survey Of Canada Paper 92-1A, pp. 333-335.

Nadaraju, G.T. and Smith, P.L., 1992b. Triassic-Jurassic Biochronology of the Iskut River Map Area, Northwestern British Columbia; Abstracts, Canadian Paleontology Conference II, Ottawa, Ontario, September 26th-28th, 1992.

Panteleyev, A., 1988. A Canadian Cordilleran model for epithermal gold-silver deposits. *In:* Roberts, R.G. and Sheahan, P.A. (eds.) Ore Deposit Models. Geoscience Canada Reprint Series 3, pp. 31-43.

Panteleyev, A., 1992. Copper-gold-silver deposits transitional, between subvolcanic porphyry and epithermal environments. *In:* Geological fieldwork, 1991, British Columbia Ministry of Energy, Mines and Petroleum Resources, Paper 1992-1, pp. 231-234.

Rhys, D.A., 1993. Geology of the SNIP mine and its relationship to the magmatic and deformational history of the Johnny Mountain area. M.Sc. Thesis, University of British

Columbia, 278 p.

Scott, T.C., 1983. Geological, geochemical and prospecting report on the JOSH, JOSH 2-4 and MAY 1-4 mineral claims. British Columbia Ministry of Energy, Mines and Petroleum Resources Assessment Report 11306, part 1, 41p.

Scroggins, E. and Ikona, C.K., 1988. Geological and Airborne Geophysical Report on the Mystery and Chance Mineral Claims. British Columbia Ministry of Energy, Mines and Petroleum Resources Assessment Report 18198, 98p.

Todoruk, S.L.and Ikona, C.K., 1987. Part 1 Geological Report on the Cam 1-4 Mineral Claims Part 2 Geological Report on the Cam 7-8 Mineral Claims. British Columbia Ministry of Energy, Mines and Petroleum Resources Assessment Report 17129, 183p.

Todoruk, S.L. and Ikona, C.K., 1989. Geochemical Report on the Mystery and Chance Mineral Claims.. British Columbia Ministry of Energy, Mines and Petroleum Resources Assessment Report 20126, 60p.

Webster, I.C.L. and Ray, G.E., 1991. Skarns in the Iskut River-Scud River region, northwest British Columbia. British ColumbiaMinistry of Energy, Mines and Petroleum Resources Paper 1991-1, pp. 245-254.

Yeager, D.A. and Metcalfe, P., 1990a. Geology of the Stonehouse gold deposit, Iskut River, B.C. Geological Association of Canada Annual Meeting, Vancouver, B.C., Program with Abstracts 15, p.143.

Yeager, D.A. and Metcalfe, P., 1990b. Stonehouse gold deposit. *In:* Brown, D. and Lefebure, D.V., 1990 (eds.) Mineral Deposits of the Stewart-Sulphurets-Bronson Creek "Golden Triangle", northwestern British Columbia. Geological Association of Canada Annual Meeting, Vancouver, B.C., unpublished field trip guide book.

STATEMENT OF WORK
BX CLAIMS
September 2002 Work Programme

SALARIES			
A. Kikauka, Party Chief Aug. 27 to Sept 29	35 days	$250/day	$ 8,750.00
P.Metcalfe, Geologist Aug. 27 to Sept. 29	35 days	$350/day	12,250.00
B.M.Brannstrom, Technical Assistant	32 days	$200/day	6,400.00
D. Williams, Cook and first aid attendant	15 days	$225/day	3,375.00
M. Bryan, Cook and first aid attendant	14 days	$225/day	3,150.00
DIAMOND DRILLING			
Neil's Mining	660 feet		22,315.66
FOOD AND ACCOMODATION			
Camp costs, 6 people	27 days	$100/man/day	16,200.00
CJL Enterprises, Expediting costs	31.5 hours	$35/hour	1,102.50
Food: Mobilization (4 people), Demobilization (6 people)	6 days	$50/man/day	1,500.00
Motel: Demobilization, 6 people	2 nights		292.50
TRANSPORTATION			
Northern Air Support: Helicopter	30.2 hours	$900/hour	27,180.00
Bandstra Trucking: shipping			1,531.31
Airfare: Mobilization and Demobilization			3,167.14
Car rental, 1 day			69.32
GEOCHEMICAL ANALYSIS			
Acme Labs: Drill core, rock, soil, stream sediment, moss mat			5,351.60
REPORT PREPARATION			
P.Metcalfe	16 days	$350/day	5,600.00
B.M.Brannstrom	6 days	$200/day	1,200.00
Total Expenses			**$ 119,435.03**

PAUL METCALFE
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V0N 1G0
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Email: Paul_Metcalfe@telus.net

CERTIFICATE of AUTHOR

I, Paul Metcalfe B.Sc. (*Dunelm*) M.Sc. Ph.D. P.Geo. do hereby certify that:

1. I am an independent contractor with an office at the above address.

2. I attained the degree of Bachelor of Science (B.Sc.) with Honours in Geology from the University of Durham in 1977. In addition, I attained the degree of Master of Science in Geology from the University of Manitoba in 1981 and that of Doctor of Philosophy in Geology from the University of Alberta in 1987.

3. I am a member of the Association of Professional Engineers and Geoscientists of BC

4. I have worked as a geologist for a total of 25 years since my graduation from university.

5. I have read the definition of "qualified person" set out in National Instrument 43-101 ("NI 43-101") and certify that by reason of my education, affiliation with a professional association (as defined in NI 43-101) and past relevant work experience, I fulfil the requirements to be a "qualified person" for the purposes of NI 43-101.

6. I conducted field work on the BX property from September 2nd to 26th, 2002.

7. I am responsible for the preparation of the technical report entitled: *Geological Report on the BX 1-10 Mineral Claims, Iskut River, British Columbia* and dated March 18th, 2003(the "Technical Report") relating to the BX property.

8. I am not aware of any material fact or material change with respect to the subject matter of the Technical Report that is not reflected in the Technical Report, which omission of disclosure would make the Technical Report misleading.

9. I have read National Instrument 43-101 and Form 43-101FI, and the Technical Report has been prepared in compliance with that instrument and form.

10. I consent to the filing of the Technical Report with any stock exchange and other regulatory authority and any publication by them, including electronic publication in the public company files on their web sites accessible by the public, of the Technical Report.

Dated this 19th day of March, 2003.

Paul Metcalfe

APPENDIX A: SUMMARY OF OPTION AGREEMENT

Appendix A. Summary of option agreement

between Goldrea Resources Corp. “The Company”

and

Parkside 2000 Resources Corp. “the Optionee”

The Company hereby grants the Option to the Optionee which Option is exercisable by the Optionee:

1. issuing to the Company 450,000 Shares and paying Expenditures totalling $1,100,000 as follows:
    1. 50,000 Shares, preliminary expenditures of $70,000 immediately upon fulfilment of the conditions of regulatory approval and property title and a further $80,000 expenditure upon satisfactory conclusion of the $70,000 expenditure;
    2. 100,000 Shares and work expenditures of $200,000 by May 22, 2003;
    3. 100,000 Shares and work expenditures of $250,000 by May 22, 2004;
    4. 100,000 Shares and work expenditures of $250,000 by May 22, 2005 and
    5. 100,000 Shares and work expenditures of $250,000 by May 22, 2006;

2. making the following Payments to the Company:
    1. $10,000 immediately upon fulfilment of the conditions d of regulatory approval and property title;
    2. $15,000 on or before May 22, 2003;
    3. $25,000 on or before May 22, 2004;
    4. $25,000 on or before May 22, 2005 and
    5. $25,000 on or before May 22, 2006.

The Company and the Optionee acknowledge and agree that upon completion of all of the Payments, Share issuances and exploration work Expenditures set out above, the Optionee shall have earned a 50% interest in the Property and that as each year of Share issuances and Expenditures are completed, the Optionee will have earned a cumulative 10% interest for that year’s commitments for a total of a 50% interest in the Property.

APPENDIX B: DIAMOND DRILL LOGS

Palatine Geological

Diamond Drill Record

Hole Number	Working Place	Date Start Finish	Az	Dip	Length	Collar Location			Dip test received	Dip test entered	Logged	RQD	Skeleton log	Sampled	Samples sent	Assays received	Remarks
						Northing	Easting	Elevation									
BX02-1	Black Bluff	2/9 - 3/9	087	-57°	13.7m	6277475	389171	1442m	X	X	PM	X	PM	BMB	17/9		11+67E GPS ± 5m; abandoned
BX02-2	Black Bluff	3/9 - 5/9	267	-65°	14.0m	6277475	389171	1442m	X	X	PM	X	PM	PM	17/9		11+67E GPS ± 5m; abandoned
BX02-3	Lizardite anomaly	5/9 - 6/9	194	-69°	19.8m	6277826	389347	1603m	X	X	BMB	X	BMB	BMB	17/9		GPS location ± 5m; abandoned
BX02-4	Lizardite anomaly	6/9 - 12/9	-	-90°	15.2m	6277826	389347	1603m	X	X	PM	X	PM	PM	17/9		GPS location ± 5m; abandoned
BX02-5	SW Grid Hub	13/9 - 16/9	-	-90°	48.2m	6277872	389040	1462m	X	X	PM	X	PM	BMB	30/9		GPS location ± 6m; abandoned
BX02-6	SW Grid Hub	17/9 - 18/9	272	-70°	33.2m	6277872	389040	1462m	X	X	PM	X	PM	BMB/PM	30/9		GPS location ± 6m; abandoned
BX02-7	SW Grid B/L 100S	19/9 - 20/9	083	-70°	21.3m	6277786	389042	1438m	X	X	PM	X	PM	PM	30/9		GPS location ± 8m; abandoned
BX02-8	SW Grid B/L 100S	22/9 - 22/9	-	-90°	13.7m	6277786	389042	1438m	X	X	PM	X	PM	BMB	30/9		GPS location ± 8m; abandoned
BX02-9	Base of Black Bluff	23/9 - 24/9	054	-72.5°	17.7m	6277462	389131	1414m	X	X	PM	X	PM	PM	30/9		GPS location ± 7m; abandoned

Palatine Geological
Diamond drill log

DDH NO. BX 02-1

SAMP. NOS. 599401 - 599407

OBJECTIVE Black Bluff

SURVEYED | ASSAYS: PARTIAL | COMPLETE | COMPUTER 1 2 3 4 5 6 7 8

LOCATION
EASTING 389171 (NAD 83)
NORTHING 6277475
ELEVATION 1442 m

AZIMUTH 087

DIP -57°

TOTAL LENGTH 13.7 m

LOGGED BY P Metcalfe

DATE STARTED September 2nd 2002

DATE September 11th 2002

DATE COMPL. September 3rd 2002

CONTRACTOR Neill's Mining

CORE SIZE BQ

DIP TESTS None   READ BY —

DEPTH	AZIMUTH MAGNETIC	AZIMUTH TRUE	DIP READ	DIP TRUE	DEPTH	AZIMUTH MAGNETIC	AZIMUTH TRUE	DIP READ	DIP TRUE

COMMENTS
Hole abandoned due to badly broken ground
Suspect collar in fault

PROJECT BX

SKELETON LOG

0 - 6.1 m OVERBURDEN, not recovered

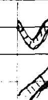
6.1 - 13.7 m HORNBLENDE + PLAGIOCLASE PHYRIC MONZONITE (LEHTO PORPHYRY)

@ 11.4 - 13.0 m Major fault ; 1.6 m core loss

PAGE 2 OF 3 | HOLE NO. BX02-1

INTERVAL	GEOLOGICAL DESCRIPTION	ALTERATION	MINERALIZATION	SAMPLE NUMBER	SAMPLES From	SAMPLES To	SAMPLES Width	ASSAYS Au ppm	ASSAYS Ag ppm	ASSAYS Cu ppm	ASSAYS Pb ppm	ASSAYS Zn ppm
0 – 6.1m	OVERBURDEN, not recovered											
6.1–13.7m EOH	HORNBLENDE + PLAGIOCLASE PHYRIC MONZONITE - Pale grey-green to beige colour - 10-15% subhedral hornblende phenocrysts 3–10 mm in length - 15 to 20% subhedral tabular plagioclase phenocrysts, many exhibiting oscillatory zoning - Groundmass obliterated by alteration with possible relic textures indicating protolith was holocrystalline - Strong identity with phenocryst assemblage of Lehto Batholith (K-feldspar - poor phases) - Core generally very broken - no runs longer than 9cm	- Moderate pervasive K-feldspar alteration obliterating groundmass textures and margins of plagioclase phenocrysts - Apparently retrograde phase of epidote ± chlorite alteration replacing hornblende and plagioclase phenocrysts. Patchy, locally intense.	- Pyrite occurs as discrete cubic crystals and as aggregates with grey and white quartz veinlets, usually at moderate angles with the core axis (WCA) - Much of the sulphide mineralization oxidized along fractures. Oxidation associated with malachite in some sections, below									
		@6.1-6.5m Patchy intense K-feldspar alteration; also minor (?) biotite after hornblende and subsequent chlorite ±epidote	@6.1-6.5m Surficial staining on core and fracture surfaces with malachite; also a brown, brown streaking mineral of low hardness on fracture - possibly sphalerite	599401	6.1m	7.2m	1.1m					
*F	@ 6.5-7.2m Shattered core 0.5m core loss		Quartz veining with pyrite at 40° WCA									
	@ 7.5-8.2m Finer grained, possibly a xenolith	@7.5-8.1m Moderate pervasive chlorite alteration		599402	7.2m	8.2m	1.0m					
*F	@ 7.8-8.1m Shattered core, clay gouge		@									

HOLE NO. BX02-1

INTERVAL	GEOLOGICAL DESCRIPTION	ALTERATION	MINERALIZATION	SAMPLE NUMBER	SAMPLES From	SAMPLES To	SAMPLES Width	ASSAYS Au ppm	ASSAYS Ag ppm	ASSAYS Cu ppm	ASSAYS Pb ppm	ASSAYS Zn ppm
	HORNBLENDE MONZONITE (continued)											
				599403	8.2m	8.9m	0.7m					
	@ 8.8-8.9m Broken core											
	@	@ 8.9-9.1m Slightly more chlorite with an unidentified fine-grained soft black submetallic mineral present along fractures - may be pyrolusite		599404	8.9m	9.8m	0.9m					
*F	@ 9.2-9.8m Broken and shattered core, roughly 0.2m core loss fracturing generally at 20-30° WCA		@ 9.5-9.6m 2.5cm white quartz vein with 10% pyrite aggregates // to vein, at 30° WCA	599405	9.8m	10.7m	0.9m					
*F	@ 10.3-10.7m Shattered core; estimated 0.3m loss; fault		@ 10.3-11.2m Patchy occurrence of malachite on core surfaces and on fractures; also oxidized pyrite and unidentified black mineral	599406	10.7m	11.4m	0.7m					
	@ 10.7-11.4m Late fractures at +20° +60° and -20° WCA cut earlier mineralized fractures Late fractures are lined with the black mineral and cut and obliterate zones of malachite mineralization		@ 11.3m Quartz veinlets 2-4mm red-stained, at 40° WCA									
**F	@ 11.4-13.0m Major fault; 1.6m core loss		 @ 13.0-13.6m Quartz veinlets 2-5mm in width 25° WCA and 45° WCA the second rotated 120° clockwise - downhole from first set	599407	11.4m	13.7m	2.3m					
*F	@ 13.6-13.7m Shattered core EOH											

Palatine Geological
Diamond drill log

DDH NO.	BX 02-2
OBJECTIVE	BLACK BLUFF
SAMP. NOS.	599408-599414

SURVEYED | ASSAYS: PARTIAL | COMPLETE | COMPUTER 1 2 3 4 5 6 7 8

LOCATION

EASTING 389171 NAD 83 Zone 9
NORTHING 6277475 ± 5m
ELEVATION 1442 m

AZIMUTH 267

DIP −65°

TOTAL LENGTH 14.0 m

LOGGED BY P Metcalfe

DATE STARTED September 3rd 2002

DATE September 15th 2002

DATE COMPL. September 5th 2002

CONTRACTOR Neill's Mining

CORE SIZE BQ

DIP TESTS None **READ BY** —

DEPTH	AZIMUTH MAGNETIC	AZIMUTH TRUE	DIP READ	DIP TRUE	DEPTH	AZIMUTH MAGNETIC	AZIMUTH TRUE	DIP READ	DIP TRUE

COMMENTS

Hole abandoned due to badly broken core – very hard ground. Similar problems encountered by Falcon on Red Bluff in 1988 with a more powerful rig

PROJECT BX

SKELETON LOG

0 – 7.6 m OVERBURDEN, not recovered

7.6 – 8.8 m RUBBLE, including hornblende + plagioclase phyric K-feldspar megacrystic Lehto Porphyry

8.8 – 14.0 m MONZONITE with INTENSE PERVASIVE K-FELDSPAR ALTERATION AND INTENSE QUARTZ + MAGNETITE STOCKWORK, TRACE MALACHITE THROUGHOUT

VEINING:
1. (OLDEST) Banded quartz magnetite 70-85° WCA
2a. Quartz, magnetite core 40° WCA
2b. Quartz, magnetite margins 10° WCA
3. Quartz ± magnetite 30° WCA
4. Quartz + pyrite ± chalcopyrite 45° WCA
5. Pyrite ± malachite 30° WCA
6. Oxidized fractures 30-35° WCA

HOLE NO. BX02-2

INTERVAL	GEOLOGICAL DESCRIPTION	ALTERATION	MINERALIZATION	SAMPLE NUMBER	SAMPLES From	SAMPLES To	SAMPLES Width	ASSAYS Au ppm	ASSAYS Ag ppm	ASSAYS Cu ppm	ASSAYS Pb ppm	ASSAYS Zn ppm
0 – 7.6m	OVERBURDEN, not recovered											
7.6m–8.8m	RUBBLE, possibly overburden, possibly collared into a major fault - Most fragments are of the lithology found downhole, described below - Fragment nearest collar a boulder of hornblende + plagioclase phyric and K-feldspar megacrystic monzonite (plagioclase porphyry) Not sampled	- As below - Top fragment shows moderate pervasive epidote ± chlorite alteration	- Weak malachite staining on some fragments of quartz + magnetite-altered rock		7.8m	8.8m	1.0m					
8.8m–14.0m EOH	MONZONITE, intensely altered - Primary textures almost obliterated - Rare relic hornblende phenocrysts, prismatic, 5-10mm	- Intense pervasive K-feldspar alteration - Patchy intense retrograde alteration with development of epidote after K-feldspar and (?) plagioclase; also chlorite after relic hornblende - Magnetite occurs with K-feldspar alteration as well as in veins →	- At least two phases of intense, banded quartz + magnetite veining throughout hole - Late-stage phase of magnetite replacement by pyrite; also pyrite veinlets associated with traces of chalcopyrite - Weak development of malachite throughout hole - Quartz veins compose approx. 30% whole rock									
			@ 8.8-9.1m Quartz + magnetite stockwork with several veinlets 2-5mm at 70° WCA (with core axis)		8.8	9.4m	0.6m					
F?	@ 9.1-9.4 m Shattered core; possibly small fault; lower part crumbly	@ 9.2-9.4m Magnetite absent										
			@ 9.4-9.5m Veinlet 30° WCA 4-5mm and associated extension vein at 5° WCA cuts earlier veinlet at 45° WCA, azimuth rotated 60° anticlockwise (rel*)		9.4							

* Looking downhole

 HOLE NO. BX02-2

INTERVAL	GEOLOGICAL DESCRIPTION	ALTERATION	MINERALIZATION	SAMPLE NUMBER	SAMPLES From	SAMPLES To	SAMPLES Width	ASSAYS Au ppm	ASSAYS Ag ppm	ASSAYS Cu ppm	ASSAYS Pb ppm	ASSAYS Zn ppm
	ALTERED MONZONITE WITH QUARTZ MAGNETITE STOCKWORK (continued)											
F *	@ 9.5-9.6 m Shattered core											
	@ 9.6-9.8 m Breccia	@ 9.6-9.8 m Development of chlorite in magnetite-rich zones	@ 9.6-9.8 m Irregular veinlets <1mm of pyrite with minor malachite in quartz healed breccia These veinlets also contain haematite and are latest stage, cutting irregular quartz + pyrite veins									
			@ 9.8-10.0 m Late-stage planar quartz + magnetite veining at 45° WCA cut by slightly later-stage quartz + pyrite veins, same azimuth but at 50° WCA Pyrite also occurs on apparently conjugate fractures subparallel WCA. Trace chalcopyrite. - Another late-stage quartz + magnetite vein set at -50° WCA (opposite azimuth) is cut by a quartz + pyrite veinlet at -45° WCA Pyrite appears to be replacing magnetite at intersections - Older quartz + magnetite veins at +60° WCA									

PAGE 4 OF 5 | HOLE NO. BX 02-2

INTERVAL	GEOLOGICAL DESCRIPTION	ALTERATION	MINERALIZATION	SAMPLE NUMBER	SAMPLES From	SAMPLES To	SAMPLES Width	ASSAYS Au ppm	ASSAYS Ag ppm	ASSAYS Cu ppm	ASSAYS Pb ppm	ASSAYS Zn ppm
	ALTERED MONZONITE WITH QUARTZ MAGNETITE STOCKWORK (continued)											
	@ 10.1 - 11.0 m Longest single run of core, permitting identification of different vein sets and their relative timing, described on the right, from (1) oldest to (4) youngest - Late fractures, oxidized at 30-35° WCA		1. Banded quartz + magnetite veins, irregular and often brecciated, usually at high angle (70-85°) WCA 2a. Quartz veinlets with magnetite core, generally irregular with inclination approximately 40° WCA, azimuth 30° anticlockwise from (1) looking downhole 2b. Quartz with magnetite margins irregular at approximately 10° WCA, same azimuth as (1) 3. Quartz ± magnetite, 30° WCA azimuth 90° anticlockwise from (1), looking downhole 4. Late quartz + pyrite ± chalcopyrite veins 45° WCA, azimuth 60° anticlockwise from (1) 5. Pyrite ± malachite - filled fractures, many oxidized at 30° WCA azimuth 90° clockwise from (1)	599411	10.1	11.2m	1.1m					
	@ 11.2 - 12.3 m Decrease in intensity of veining	@ 11.2 - 12.3m Slight increase in epidote retrograde alteration	@ 11.2 - 12.3m Slight increase in malachite on late-stage veinlets	599412	11.2	12.3m	1.1m					

HOLE NO. BX 02-2

INTERVAL	GEOLOGICAL DESCRIPTION	ALTERATION	MINERALIZATION	SAMPLE NUMBER	SAMPLES From	SAMPLES To	SAMPLES Width	ASSAYS Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm
	ALTERED MONZONITE WITH QUARTZ MAGNETITE STOCKWORK (cont.)											
	@ 12.3-12.8m Quartz magnetite breccia; also broken to shattered core			599413	12.3m	13.2m	0.9m					
			@12.8-13.7m Quartz magnetite veining at moderate angles (40-50°) WCA; opposing azimuths. Trace pyrite and malachite mainly along microfractures									
F *	@13.1-13.2 m Shattered core											
				599414	13.2	14.0m	0.8m					
	@ 13.7-14.0m Ground, "redrilled" core; evidence of repeated caving											
@ 14.0m	End of Hole											

Palatine Geological
Diamond drill log

DDH NO. BX02-3

SAMP. NOS. 599420 - 599432

OBJECTIVE: LIZARDITE CREEK

SURVEYED	ASSAYS:	PARTIAL	COMPLETE	COMPUTER	1	2	3	4	5	6	7	8

LOCATION

EASTING 389347 NAD 83

NORTHING 6277826 UTM ±5m

ELEVATION 1606 M

AZIMUTH 194

DIP -69°

TOTAL LENGTH 19.8 M

LOGGED BY B.M BRANNSTROM

DATE STARTED September 5th 2002

DATE September 16th 2002

DATE COMPL. September 6th 2002

CONTRACTOR NEILL'S MINING

CORE SIZE BQ

DIP TESTS NONE READ BY N/A

DEPTH	AZIMUTH MAGNETIC	AZIMUTH TRUE	DIP READ	DIP TRUE	DEPTH	AZIMUTH MAGNETIC	AZIMUTH TRUE	DIP READ	DIP TRUE

COMMENTS

- hole abandoned after intersection with sand layer.

PROJECT BX

SKELETON LOG

0-3.8M OVERBURDEN

3.8 - 6.4m LIZARDITE + MAGNETITE
- interpreted as skarn

6.4m - 12.6m MARBLE
- assumed host of lizardite-magnetite skarn

12.6 - 19.8m LIZARDITE + MAGNETITE
- grading downhole into host marble (crumbled) then into magnetite-calcite sand

@ 17.1 - 19.8m 1.1m core loss

PAGE 1 OF 2

HOLE NO. Bx02-3

INTERVAL	GEOLOGICAL DESCRIPTION	ALTERATION	MINERALIZATION	SAMPLE NUMBER	SAMPLES From	SAMPLES To	SAMPLES Width	ASSAYS Au ppm	ASSAYS Ag ppm	ASSAYS Cu ppm	ASSAYS Pb ppm	ASSAYS Zn ppm
0 - 3.8M	OVERBURDEN											
3.8M - 6.4M	LIZARDITE + MAGNETITE -interpreted as skarn -patchy black and yellow-green in colour -no primary mineralogy or indications of host rock apparent.	SERPENTINE (LIZARDITE) -patchy, intense -approx. 60% -colour: yellow-green to sulfurous yellow MAGNETITE -massive black patches cutting lizardite, -approx. 35-40% varies -cut by white calcite	CALCITE -weak, hairline to 5mm width -irregular orientations -cuts both magnetite + lizardite	599420 599421	3.5M 4.9M	4.9M 6.4M						
5.6 - 6.4M *F	SHATTERED CORE: .5M CORE LOSS											
6.4 - 9.3M	MARBLE -assumed host of lizardite-magnetite above. -sandy brown to white-grey in colour -completely recrystallized -contains varying amounts of lizardite and magnetite -	LIZARDITE (as above) -varying from non-existant to abundant (0-50%) MAGNETITE -irregular fracture fillings to massive -less abundant in sandy brown marble. ? SPHALERITE -soft (4.5) black patches -moderate intensity -localized-up to 30% -brown streak	PYROLUSITE -rare dendritic pyrolusite on fracture faces HAEMATITE -rare 2-4MM blebs CALCITE -white in colour -weak to moderate veining in irregular orientations -cut by latest stage, weak intensity fractures lined with radiating acicular on framboids. Oriented @ 20, 75 and 90° to core axis.	599422 599423 599424	6.4m 7.6m 8.7m	7.6m 8.7m 9.9M						

HOLE NO. BX 02-3

INTERVAL	GEOLOGICAL DESCRIPTION	ALTERATION	MINERALIZATION	SAMPLE NUMBER	SAMPLES From	SAMPLES To	SAMPLES Width	ASSAYS Au ppm	ASSAYS Ag ppm	ASSAYS Cu ppm	ASSAYS Pb ppm	ASSAYS Zn ppm
			FERROAN DOLOMITE - disseminated to irregular crackle fracture fillings - sandy brown (disseminated) to orange in colour - up to 20% - varies.									
9.3-9.7m *F	SHATTERED CORE: .4m CORE LOSS, INFERRED FAULT.			599425	9.8m	10.9m						
9.7-11.1m	MARBLE, as above											
11.1m-12.1m **F	SHATTERED CORE: 1.0 m CORE LOSS FAULT		- latest stage calcite veining becomes more intense in magnetite rich core; creates open space cavities + porosity in core.	599426	10.9m	12.5m						
				599427	12.5m	13.7m						
12.1-12.6m	MARBLE, as above											
				599428	13.7m	15.0m						
12.6-19.8m EOH	MAGNETITE-LIZARDITE skarn, as above - gradually grading downhole into crumbled host marble, then to magnetite-calcite sand.		@13.4-14.9m and @15.1-15.8m Magnetite, ferroan dolomite and calcite veining is oriented and varies between 50°-70° WCA (with core axis)	599429	15.0m	15.7m						
				599430	15.7m	16.3m						
	@15.8m Core becomes friable			599431	16.3m	17.2m						
	@17.1-19.8m Core is shattered and alternates with med. grained sand -1.1m core loss			599432	17.2m	19.8m						
19.8m EOH												

Palatine Geological

Diamond drill log

DDH NO.	BX02-4
SAMP. NOS.	599415 - 9

OBJECTIVE: LIZARDITE SHOWING

SURVEYED		ASSAYS:	PARTIAL	COMPLETE		COMPUTER	1	2	3	4	5	6	7	8

LOCATION

EASTING	389347	UTM
NORTHING	6277826	NAD 83 ±5m
ELEVATION	1603m	

AZIMUTH —

DIP -90°

TOTAL LENGTH 15.2 m

LOGGED BY P Metcalfe

DATE STARTED Sept. 6th 2002

DATE September 17th 2002

DATE COMPL. Sept 12th, 2002

CONTRACTOR Neill's Mining

CORE SIZE BQ

DIP TESTS None **READ BY** —

DEPTH	AZIMUTH MAGNETIC	AZIMUTH TRUE	DIP READ	DIP TRUE	DEPTH	AZIMUTH MAGNETIC	AZIMUTH TRUE	DIP READ	DIP TRUE

COMMENTS

Hole apparently collared into / down dip of a fault. If same fault as that at EOH DDH 3 then drill pad is situated on fault-bounded sliver, fault dipping downhill

Length of time required to complete hole includes Sept 7th - 12th waiting for casing - did not arrive

PROJECT BX

SKELETON LOG

0 - 3.7m OVERBURDEN

3.7 - 6.1m LIZARDITE + MAGNETITE SKARN ; 1.4m loss

6.1 - 9.1m SAND AND CLAY GOUGE ; 1.2m loss

9.1 - 9.3m LIMESTONE / MARBLE ; probably a block

9.3 - 12.8m SAND AND CLAY GOUGE ; 1.2m loss

12.8 - 13.9m MARBLE

13.9 - 15.2m CLAY GOUGE WITH SAND ; 1.0m loss
EOH

PAGE 2 OF 3

HOLE NO. BX02-4

INTERVAL	GEOLOGICAL DESCRIPTION	ALTERATION	MINERALIZATION	SAMPLE NUMBER	SAMPLES From	To	Width	ASSAYS Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm
0-3.7m	OVERBURDEN, not recovered											
3.7-6.1m	LIZARDITE + MAGNETITE											
	- Interpreted as skarn	- Intense pervasive	- Weak, thin calcite veining	599415	3.7m	6.1m	2.4m					
	- Inferred limestone/marble host	serpentine (lizardite)	irregular or at 45° WCA									
	- Entire interval shattered and	+ magnetite alteration	(with core axis)									
	broken with fragments of sand	- Relative proportions										
	and clay gouge interspersed	roughly 50-50;										
	- 1.4 m core loss through interval	dismemberment of										
	- Some fracturing parallel WCA	core precludes										
	- Variegated green/black colour	accurate estimate										
6.1-9.1m	SAND AND CLAY GOUGE			599416	6.1m	9.3m	3.2m					
	- Structureless		- Unmineralized									
	- Fragments of serpentine (lizardite)											
	as large as 1 cm											
	- Magnetite fragments absent											
	- Red-brown colour											
	- 1.2m core loss											
9.1-9.3m	LIMESTONE / MARBLE											
	- Probably a fault block	- Recrystallized but	- Unmineralized									
	- Light grey colour	without lizardite/										
		magnetite										
9.3-12.8m	SAND AND CLAY GOUGE, as above			599417	9.3m	12.8m	3.5m					
	- 1.2 m core loss											
12.8-13.9m	MARBLE			599418	12.8m	13.9m	1.1m					
	- Assumed minimal core loss in	- Recrystallized	- Unmineralized - preexisting									
	interval	- Weak lizardite	veins may have undergone									
	- Brecciated with solution	+ magnetite	dissolution by groundwater									
	cavities filled with clay	alteration										
	- Crumbly											
	- Light beige colour											

HOLE NO. BX02-4

INTERVAL	GEOLOGICAL DESCRIPTION	ALTERATION	MINERALIZATION	SAMPLE NUMBER	SAMPLES From	SAMPLES To	SAMPLES Width	ASSAYS Au ppm	ASSAYS Ag ppm	ASSAYS Cu ppm	ASSAYS Pb ppm	ASSAYS Zn ppm
12·8-13·9m	MARBLE (continued)											
	- Downhole contact at point of loss of competency due to dissolution and replacement by clay @ 13·9m											
13·9-15·2m EOH	CLAY GOUGE WITH SAND			599419	13·9m	15·2m	1·4m					
	- Red-brown to grey-brown colour											
	- 1·0m core loss											
	- Interpreted as beginning of major fault											
@15·2m	End of Hole Abandoned due to drilling problems											

Palatine Geological

Diamond drill log

DDH NO.	BX02-5
SAMP. NOS.	599433-599450 23614-23633
OBJECTIVE	I.P. anomaly SW grid hub

SURVEYED		ASSAYS:	PARTIAL		COMPLETE		COMPUTER	1	2	3	4	5	6	7	8

LOCATION

EASTING	389040	UTM
NORTHING	6277872	NAD 83
ELEVATION	1462 m	±6 m

AZIMUTH	–
DIP	-90°
TOTAL LENGTH	48.2 m
LOGGED BY	P Metcalfe
DATE STARTED	September 13th 2002
DATE	September 25th 2002
DATE COMPL.	September 16th 2002
CONTRACTOR	Neill's Mining
CORE SIZE	BQ

DIP TESTS None READ BY —

DEPTH	AZIMUTH MAGNETIC	AZIMUTH TRUE	DIP READ	DIP TRUE	DEPTH	AZIMUTH MAGNETIC	AZIMUTH TRUE	DIP READ	DIP TRUE

COMMENTS

Hole abandoned in broken ground - repeated caving impossible to deal with using standard setup

PROJECT BX

SKELETON LOG

0 - 3.1 m	OVERBURDEN
3.1 - 9.1 m	CLASTIC SEDIMENTARY ROCKS WITH SKARN MINERALIZATION
9.1 - 29.6 m	HORNBLENDE - PHYRIC MONZONITE
29.6 - 47.6 m	HORNBLENDE PLAGIOCLASE PORPHYRY WITH K-FELDSPAR MEGACRYSTS
47.6 - 48.2 m	HORNBLENDE - PHYRIC MONZONITE
	EOH

HOLE NO. BX 02-5

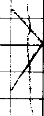
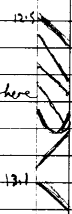
INTERVAL	GEOLOGICAL DESCRIPTION	ALTERATION	MINERALIZATION	SAMPLE NUMBER	SAMPLES From	SAMPLES To	SAMPLES Width	ASSAYS Au ppm	ASSAYS Ag ppm	ASSAYS Cu ppm	ASSAYS Pb ppm	ASSAYS Zn ppm
0 - 3.1 m	OVERBURDEN, not recovered			599433	0	3.1m	3.1m					
3.1 - 9.1 m	ALTERED CLASTIC SEDIMENTARY ROCKS - Probably Stuhini Group - Bedding not determined - massive - Feldspathic - Sand to silt - sized grains; locally as coarse as pebbles with clasts ≤ 6 mm - Variegated orange (oxidized), green or black colour - No relic carbonate	- Moderate pervasive and patchy intense skarn mineralization - Relic pale greenish grey (?) diopside in some sections, 1mm; between 10-40% whole rock, altered to; - Tremolite 5-40% whole rock, pale grey; as radiating prisms 1-4mm in length; also occurs as a coating on fracture surfaces - (?) Garnet, pale yellowish green in equant anhedra, 1-2mm forming aggregates 10-40% whole rock. Later formed than diopside; rims fractures and veinlets - Magnetite as irregular aggregates with garnet or tremolite; also epidote; 1-2mm grain size 5-50% whole rock also in mineralized veins - Epidote 5-15% whole rock as subhedral prisms with garnet/tremolite	- Magnetite in veinlets at high angles (65-85°) with core axis (WCA); also as a filling in conjugate fractures 0-20° WCA; irregular - Relic pyrite and weathered, oxidized sulphide minerals replace magnetite in veinlets - Veinlet width 1-5 mm - Later veinlets 40-50° WCA, conjugate, moderate intensity, cut earlier veinlets - Pyrite also occurs disseminated subhedral - anhedral, 1mm, as much as 5% whole rock; also as coarser aggregates peripheral to late-stage veinlets									

(cont. on 3)

PAGE 3 OF 9 | HOLE NO. BX02-5

INTERVAL	GEOLOGICAL DESCRIPTION	ALTERATION	MINERALIZATION	SAMPLE NUMBER	SAMPLES From	SAMPLES To	SAMPLES Width	ASSAYS Au ppm	ASSAYS Ag ppm	ASSAYS Cu ppm	ASSAYS Pb ppm	ASSAYS Zn ppm
3.1-9.1 m	ALTERED CLASTIC SEDIMENTARY ROCKS (cont)	(Alteration cont. from 2) - Patchy intense pink K-feldspar associated with magnetite, 0-10% whole rock, retrograde replacement by epidote										
				599434	3.1m	4.1m	1.0m					
F *	@ 3.4-3.5 m Shattered core and mud; minor fault											
	@ 3.7 m Shattered core											
			@ 3.7-9.1m Greater intensity of late-stage veinlets (40-50° WCA); intensity highest 7.3-8.2 m where the veining defines the fabric. Vein subparallel WCA in this interval also contain pyrite, cut and are cut by 40-50° vein set and are probably (?)conjugate fractures. In general, the 40-50° set cuts the subparallel set and are more regular									
				599435	4.1m	5.1m	1.0m					
F *	@ 4.6-5.1m Sand/clay; 30 cm core loss											
				599436	5.1m	6.1m	1.0m					
F *	@ 6.4-7.1m Small fault with 30 cm core loss			599437	6.1m	7.1m	1.0m					
				599438	7.1m	8.1m						
				599439	7.1m	8.1m						
	@ 9.1m Downhole contact parallel to vein surface, at 45° WCA			MEAN	7.1m	8.1m	1.0m					
				599440	8.1m	9.1m	1.0m					

PAGE	OF	HOLE NO.
4	9	BX 02-5

INTERVAL	GEOLOGICAL DESCRIPTION	ALTERATION	MINERALIZATION	SAMPLE NUMBER	SAMPLES From	SAMPLES To	SAMPLES Width	ASSAYS Au ppm	ASSAYS Ag ppm	ASSAYS Cu ppm	ASSAYS Pb ppm	ASSAYS Zn ppm
9.1 – 29.6m	MONZONITE, HORNBLENDE PHYRIC - Hornblende + plagioclase phyric; phenocrysts < 30%: not a porphyry - Probably a phase of the Lehto Batholith - Hornblende subhedral, 3-6mm prismatic; 15% whole rock; seriate - Plagioclase subhedral 3-7 mm 10-15% whole rock; seriate - Holocrystalline groundmass; 15-20% hornblende, remainder feldspar; no identifiable twinning 1-2 mm - Greenish grey groundmass; black/white crysts	- Moderate pervasive K-feldspar alteration (pink K-feldspar) - Patchy intense K-feldspar - Hornblende phenocrysts partially replaced by patchy retrograde epidote alteration - K-feldspar as 1-3 mm rims, bordering sulphide veinlets	- Disseminated pyrite 1-5% explicitly associated with epidote alteration - A further 2% pyrite, locally more in veinlets 1-2 mm wide generally at moderate (30-50°) angles WCA - Much of the sulphide mineralization along fractures has been oxidized, particularly nearer the collar and in areas of intense fracturing									
	@ 9.1-12.5 m Moderately to intensely fractured; fractures: • Subparallel WCA • 40-30° WCA, same azimuth • mins 40° - max 30° WCA same azimuth Fractures apparently conjugate	@ 9.1 - 12.5m Pervasive bleaching of feldspar and complete epidote replacement of hornblende; patchy clay alteration 	@ 9.1-18.4m Sulphide minerals oxidized entirely	599441	9.1m	10.1m	1.0m					
				599442	10.1m	11.1m	1.0m					
				599443	11.1m	12.1m	1.0m					
	@ 12.5-13.1m Mineralized breccia; clasts subrounded 0.5-10 cm apparently of intrusion and of country rock Uphole and downhole contacts cheared at 45° WCA	@ 12.5-13.1m Patchy relic chlorite in some clasts; elsewhere as above  	@ 12.5-13.1 m Fracture-hosted veins subparallel to contacts; at 25° WCA same azimuth; at 30° WCA, azimuth 60° rotated clockwise, looking downhole; -45° WCA, same azimuth as contact Rare relic pyrite	599444	12.1m	13.1m	1.0m					
				599445	13.1m	14.1m	1.0m					
	@ 13.7-15.6m As for previously noted interval	@ 13.7-15.6m As for previously noted interval @ 15.0-15.6m Patchy intense clay alteration after K-feldspar	@ 13.7-15.6m Veinlets as for previously noted interval; rare veinlets as wide as 6 mm	599446	14.1m	15.6m	1.5m					

PAGE 5 OF 9	HOLE NO. BX02-5

INTERVAL	GEOLOGICAL DESCRIPTION	ALTERATION	MINERALIZATION	SAMPLE NUMBER	SAMPLES From	SAMPLES To	SAMPLES Width	ASSAYS Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm
9.1 - 29.6m	HORNBLENDE PHYRIC MONZONITE (cont.)											
	@ 15.6 - 18.4 m Intensely fractured at + and - 45° WCA (most recent) subparallel and at ± 15-20° WCA Breccia @ 17.1-17.2 m	@ 15.6 - 18.4 m Pervasive bleaching of feldspar and moderate pervasive retrograde epidote	@ 15.6 - 18.4 m Fractures healed with pyrite, mostly oxidized Pyrite also disseminated, 1mm euhedra with epidote	599447	15.6m	17.1m	1.5m					
				599448	17.1m	18.6m	1.5m					
	@ 18.4 - 23.6 m Weakly to moderately fractured parallel to and at moderate angles with core axis	@ 18.4 - 23.6 m Moderate patchy K-feldspar alteration with moderate pervasive retrograde epidote	@ 18.4 - 23.6 m Pyrite veinlets subparallel or more commonly at moderate angles WCA	599449	18.6m	19.9m	1.3m					
			@ 19.5 - 19.6 m Several vein sets: • K-feldspar 45° WCA cut by; • Oxidized pyrite, bleached margins subparallel WCA, azimuth roughly 75° clockwise looking downhole • Conjugate subparallel set with azimuth rotated 90° from previously mentioned set; • Cut by 3mm pyrite veinlet at 40° WCA, azimuth rotated 60° anticlockwise from K-feldspar veinlet looking downhole • Oxidized fracture, probably pyritized irregular, generally 40° WCA azimuth 90° anti-clockwise from K-feldspar (looking downhole) • Youngest veinlet 35° WCA azimuth ~30° clockwise from K-feldspar looking downhole – Photo of veinlets	599450	19.9m	21.0m	1.1m					

HOLE NO. BX02-5

INTERVAL	GEOLOGICAL DESCRIPTION	ALTERATION	MINERALIZATION	SAMPLE NUMBER	SAMPLES From	SAMPLES To	SAMPLES Width	ASSAYS Au ppm	ASSAYS Ag ppm	ASSAYS Cu ppm	ASSAYS Pb ppm	ASSAYS Zn ppm
9.1 – 29.6 m	HORNBLENDE PHYRIC MONZONITE (cont.)											
	@ 19.9 - 20.7 m Brecciated; crackle breccia		@ 19.9 - 20.7 m Oxidized sulphide with minor relic pyrite healing breccia	23614	21.0 m	22.1 m	1.1 m					
F*	@ 21.7 - 22.1 m Shattered core; minor fault			23615	22.1 m	23.6 m	1.5 m					
F**	@ 23.6 - 25.1 m Shattered core, clay 0.8 m core loss			23616	23.6 m	25.1 m	1.5 m					
	@ 25.1 - 25.8 m Breccia, crackle, as above		@ 25.1 - 25.8 m Sulphides, oxidized healing breccia, as above	23617	25.1 m	26.6 m	1.5 m					
	@ 27.9 - 28.1 m Shattered core		@ 26.1 - 26.4 m Oxidized sulphide veining with relic fine-grained pyrite. Includes at the downhole end, a silica flood at least 5 cm wide (obscured by shattered core. Silica flood has pervaded wallrock, bleaching feldspars and amphibole. Oxidized centre but no visible sulphides	23619	26.6 m	28.1 m	1.5 m					
	@ 28.9 - 29.6 m Shattered core; no detectable loss			23620	28.1 m	29.6 m	1.5 m					
	@ 29.6 m Downhole contact obscured by core breakage; appears to be ~45° WCA. Intrusive relationship not clear - brecciated		@ 29.6 m Relic pyrite and oxides as much as 15% whole rock at contact, healing contact breccia									

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HOLE NO. BX02-5

INTERVAL	GEOLOGICAL DESCRIPTION	ALTERATION	MINERALIZATION	SAMPLE NUMBER	SAMPLES From	SAMPLES To	SAMPLES Width	ASSAYS Au ppm	ASSAYS Ag ppm	ASSAYS Cu ppm	ASSAYS Pb ppm	ASSAYS Zn ppm
29.6-47.6m	HORNBLENDE PLAGIOCLASE PORPHYRY WITH K-FELDSPAR MEGACRYSTS - Medium greenish grey colour - Aphanitic pervasively altered groundmass - 10% subhedral prismatic hornblende 2-5, locally 8 mm - 20-25% subhedral to anhedral tabular feldspar phenocrysts, probably plagioclase 2-10 mm - Rare euhedral to subhedral outlines of monoclinic megacrysts as large as 2 cm - probably pseudomorphs of K-feldspar - Very similar to epidote-altered Lehto Porphyry northeast of Crater Lake - Very similar to Red Bluff Porphyry and its unaltered equivalent near Snippaker Mt.	- Moderate pervasive K-feldspar alteration - Moderate pervasive retrograde epidote - Partial to complete replacement of hornblende by epidote - Bleaching, probably albitization of feldspar - Replacement of monoclinic megacrysts by epidote	- Pyrite anhedra 1, rarely 2 mm as aggregates associated with epidote replacement; also relic in fractures, now oxidized. Pyrite comprises 3-7% whole rock; locally 10%									
	- Zones within intersection contain xenoliths	- Xenoliths pervasively altered, some to garnet, some to (?) tremolite; less commonly to epidote and/or chlorite	- Pyrite as high as 10% whole rock, forming on altered xenoliths, particularly those with garnet or epidote alteration									
	@ 29.6-31.7m Broken and shattered core, along oxidized fractures with minor clay. No measurable core loss			23621	29.6m	31.1m	1.5m					
				23622	31.1m	32.6m	1.5m					
	@ 31.2m Microcline megacryst	@ 31.2m Replaced by (?) chlorite and epidote	@ 31.2m Moderately oxidized - weathered sulphide									

HOLE NO. BX 02-5

INTERVAL	GEOLOGICAL DESCRIPTION	ALTERATION	MINERALIZATION	SAMPLE NUMBER	SAMPLES From	SAMPLES To	SAMPLES Width	ASSAYS Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm
29.6 - 47.6m	HORNBLENDE PLAGIOCLASE PORPHYRY (cont.)											
	@31.7m - Decrease in fracturing and oxidation from here downhole											
				23623	32.6m	34.1m	1.5m					
	@32.8m Oxidized fractures; - 20° WCA (most recent) - 45° WCA azimuth 90° clockwise looking downhole			23624	34.1m	35.6m	1.5m					
	- Subparallel WCA same azimuth as 45°											
	@34.9m Fractures:			23625	35.6m	37.1m	1.5m					
	•40° WCA Oldest fracture set •Subparallel WCA same azimuth and •Subparallel WCA; azimuth at 90°											
	•45° WCA; same azimuth as 40°			23626	37.1m	38.6m	1.5m					
	• -40° WCA (opposite azimuth) Last is youngest											
F *	@38.1-38.2m Fault; clay gouge No core loss		@38.8m Quartz vein @15° WCA 6mm thick; minor pyrite and clay gouge	23627	38.6m	40.1m	1.5m					
		@39m Epidote replacing K-feldspar(?) megacryst										
	@39.4-42.3m Increase in xenoliths			23628	40.1m	41.6m	1.5m					
	@42.3-42.5m Clay gouge; fracture at 30° WCA			23629	41.6m	43.1m	1.5m					
				23630	43.1	44.6m	1.5m					
F *	@44.7-44.9m Fault; shattered core clay gouge		@45.3m Oxidized vein at 30° WCA	23631	44.6m	46.1m	1.5m					
			@46.1m " " " " "									
			@46.4m Pyrite vein " " "	23632	46.1m	47.6m	1.5m					
@47.6m	Downhole contact shattered;(?) fault	@46.6-46.7m Grey-green pervasive K-feldspar										

HOLE NO. BX02-5

INTERVAL	GEOLOGICAL DESCRIPTION	ALTERATION	MINERALIZATION	SAMPLE NUMBER	SAMPLES From	SAMPLES To	SAMPLES Width	ASSAYS Au ppm	ASSAYS Ag ppm	ASSAYS Cu ppm	ASSAYS Pb ppm	ASSAYS Zn ppm
47.6 - 48.2m	HORNBLENDE PHYRIC MONZONITE											
EOH	- Description as uphole	- As uphole	- Weak pyrite mineralization on fractures	23633	47.6m	48.2m	0.6m					
	@48.2m End of hole - abandoned in fault											

Palatine Geological
Diamond drill log

DDH NO. BX 02-6

SAMP. NOS. 23661-23680

OBJECTIVE I.P. anomaly SW grid hub

SURVEYED		ASSAYS:	PARTIAL		COMPLETE		COMPUTER	1	2	3	4	5	6	7	8

LOCATION 1000S 1000E

EASTING 389040 UTM NAD 83 ±6m

NORTHING 6277872

ELEVATION 1462 m

AZIMUTH 272

DIP -70°

TOTAL LENGTH 33.2 m

LOGGED BY P Metcalfe

DATE STARTED September 17th 2002

DATE September 27th 2002

DATE COMPL. September 18th 2002

CONTRACTOR Neill's Mining

CORE SIZE BQ

DIP TESTS None   READ BY —

DEPTH	AZIMUTH MAGNETIC	AZIMUTH TRUE	DIP READ	DIP TRUE	DEPTH	AZIMUTH MAGNETIC	AZIMUTH TRUE	DIP READ	DIP TRUE

COMMENTS

Hole abandoned in fault

Interesting silica flood in last run of hole - similar to auriferous silica floods at Stonehouse Deposit

PROJECT BX

SKELETON LOG

0-0.9m OVERBURDEN, not recovered

0.9-11.6m SKARN ALTERATION AND MINERALIZATION probably after Stuhini Group

11.6-33.2m HORNBLENDE PHYRIC MONZONITE
EOH

HOLE NO. BX02-6

INTERVAL	GEOLOGICAL DESCRIPTION	ALTERATION	MINERALIZATION	SAMPLE NUMBER	SAMPLES From	SAMPLES To	SAMPLES Width	ASSAYS Au ppm	ASSAYS Ag ppm	ASSAYS Cu ppm	ASSAYS Pb ppm	ASSAYS Zn ppm
0 - 0.9m	OVERBURDEN, not recovered											
0.9 - 11.6m	SKARN ALTERATION AND MINERALIZATION - Protolith probably Stuhini Group volcanic and clastic sedimentary rocks - Mainly fine-grained; equant grains 1 mm in size; appear granular but may be recrystallized - Rust-red from oxidation of sulphides with areas grey-green in colour where primary sulphide content was low - Moderate, locally intense crackle fracturing and veining	- Intense pervasive skarn alteration and mineralization - Relic (?)diopside, pale grey-green, 25% whole rock - Pale green (?) tremolite after (?)diopside; 10-35% whole rock - Pale yellowish green (?) garnet, 10-60% whole rock, bordering veins and replacing areas of vocilicate - Albite 5-50% whole rock as irregular zones - Magnetite ~25% whole rock as irregular to subrounded aggregates, with chlorite and epidote. Aggregates comprise approximately 5% total intersection, possibly after clasts - Epidote also at margins of veinlets	- Relic pyrite in intensely oxidized veinlets; percentage difficult to estimate; possibly as much as 10% locally									

HOLE NO. BX 02-6

INTERVAL	GEOLOGICAL DESCRIPTION	ALTERATION	MINERALIZATION	SAMPLE NUMBER	SAMPLES From	SAMPLES To	SAMPLES Width	ASSAYS Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm
	SKARN ALTERATION AND MINERALIZATION (cont.)											
	@ 0.9-3.8m 0.8m core loss		@ 0.9-3.8m Veinlets mainly at 45° WCA; these appear to be youngest. Another set occurs at 25° WCA, opposite azimuth. Minor veining ⊥ WCA	23661	0.9m	4.1m	3.2m					
	@ 4.1-4.6m Crackle breccia from veining at 25° and 45° WCA; downhole contact 65° WCA (with core axis)			23662	4.1m	5.6m	1.5m					
	@ 4.6-7.6m Intense veining, 15-20% whole rock, mainly at 45° WCA			23663	5.6m	7.1m	1.5m					
				23664	7.1m	8.6m	1.5m					
	@ 7.6-11.6m Veining less pronounced; ca. 5-10% whole rock		@ 7.6-11.6m Vein sets from oldest azimuth rotations looking downhole:	23665	8.6m	10.1m	1.5m					
F *	@ 9.7-9.8m Shattered core with little or no loss		• 25° WCA • 75° WCA, same azimuth									
			• 40° WCA, 60° clockwise	23666	10.1m	11.6m	1.5m					
F *	@ 10.9-15.6m Shattered core; apparently little or no core loss		• 45° WCA, opposite azimuth from 40° set									
	@ 11.6m Downhole contact irregular, brecciated and obscured by shattering of core.											

HOLE NO. BX02-6

INTERVAL	GEOLOGICAL DESCRIPTION	ALTERATION	MINERALIZATION	SAMPLE NUMBER	SAMPLES From	SAMPLES To	SAMPLES Width	ASSAYS Au ppm	ASSAYS Ag ppm	ASSAYS Cu ppm	ASSAYS Pb ppm	ASSAYS Zn ppm
11·6-33·2m EOH	HORNBLENDE PHYRIC MONZONITE - Holocrystalline and hornblende + plagioclase porphyritic - Hornblende 25% whole rock, subhedral, prismatic, 1-4 mm; phenocrysts seriate with 1mm groundmass grain size - Plagioclase 45% whole rock as subhedral phenocrysts; tabular and laths 1-4 mm in size, seriate with 1 mm groundmass - Balance of rock comprises intersertal pink K-feldspar with minor quartz - Unaltered rock is nonmagnetic - Unaltered colour is a speckled medium greenish grey; pinkish areas mark K-feldspar alteration	- Moderate pervasive, locally intense K-feldspar - Patchy intense retrograde epidote replacing hornblende - Retrograde chlorite, patchy, after hornblende	- Pyrite 5-7% whole rock, decreasing downhole to 1-2% at EOH - Pyrite occurs disseminated and in fractures, the latter mainly oxidized; both modes of occurrence explicitly associated with epidote - Fractures hosting veinlets at core angles described from previous unit. 45-50° set still latest-formed and dominant									
		@ 11·6-21·6m Pervasive bleaching of altered rock										
	@ 11·6-15·6m Continuation of previously noted fault; shattered core with only minor core loss. Core preserved in the round shows crackle brecciation around fracture sets described uphole	@ 11·6-15·6m Pervasive clay alteration, replacing K-feldspar. Relic epidote in irregular aggregates		23667	11·6m	14·1m	1·5m					
				23668	14·1m	15·6m	1·5m					
				23669	15·6m	17·1m	1·5m					

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HOLE NO. BX02-6

INTERVAL	GEOLOGICAL DESCRIPTION	ALTERATION	MINERALIZATION	SAMPLE NUMBER	SAMPLES From	SAMPLES To	SAMPLES Width	ASSAYS Au ppm	ASSAYS Ag ppm	ASSAYS Cu ppm	ASSAYS Pb ppm	ASSAYS Zn ppm
11.6 - 33.2m	HORNBLENDE PHYRIC MONZONITE (cont.)											
	@17.1 - 21.6m Core blocky and broken in most sections, along fractures described previously	@ 17.1-21.6m Increase in epidote to 15% whole rock; first appearance of patchy pink K-feldspar	@ 17.1 - Pyrite 1-2% whole rock, disseminated, near epidote.	23670	17.1m	18.6m	1.5m					
				23671	18.6m	20.1m	1.5m					
				23672	20.1m	21.6m	1.5m					
	@ 21.6m First appearance of primary amphibole; amphibole is first-formed phenocryst (characteristic of Lehto Batholith) Primary plagioclase is 60% of total feldspar			23673	21.6m	23.1m	1.5m					
	@ 22.1 - 22.6m Shattered core											
	@ 22.5-22.6m Breccia healed with sulphide and clay minerals											
			@ 23.0-23.1m Numerous veinlets at varying core angles. Very little displacement so no sense of timing in this section Azimuth rotations relative to 20° set, looking downhole • 20° WCA • 15° WCA, 150° anticlockwise • 35° WCA 120° clockwise • 55° WCA 90° clockwise 60° WCA 90° anticlockwise 80° WCA 30° clockwise 80° WCA 90° anticlockwise									

HOLE NO. BX 02-6

INTERVAL	GEOLOGICAL DESCRIPTION	ALTERATION	MINERALIZATION	SAMPLE NUMBER	SAMPLES From	SAMPLES To	SAMPLES Width	ASSAYS Au ppm	ASSAYS Ag ppm	ASSAYS Cu ppm	ASSAYS Pb ppm	ASSAYS Zn ppm
11.6 - 33.2m	HORNBLENDE PHYRIC MONZONITE (cont.)											
			@ 23.9-24.2m Grey quartz vein with a bleached K-feldspar rim at 45° WCA	23674	23.1m	24.6m	1.5m					
			@ 24.2- EOH Weak veining; veinlets oxidized with relic pyrite; veinlets have thin rims of K-feldspar alteration	23675	24.6m	26.1m	1.5m					
				23676	26.1m	27.6m	1.5m					
			@ 26.7-26.9m Two 2cm quartz veins with K-feldspar rims; alteration extends roughly 1cm from margins; veinlets at 45° WCA									
				NS	27.6m	29.1m	1.5m					
			@ 27.7m 0.5cm veinlet, irregular but generally 25° WCA									
			@ 28.7m Grey quartz veinlet with K-feldspar rim and irregular contacts									
			@ 29.1-29.3m 7cm quartz vein, grey-white, rimmed with 3-4cm K-feldspar on each side, 40° WCA	NS	29.1m	30.6m	1.5m					
				23679	30.6m	32.1m	1.5m					
	@ 33m Shattered core		@ 31.8-33.2m Patchy silica flooding associated with oxidized pyrite veinlets at approximately 45° WCA	23680	32.1m	33.2m	1.1m					
	@ 33.2m Hole abandoned											

Palatine Geological
Diamond drill log

DDH NO. BX02-7

SAMP. NOS. 23654-23660

OBJECTIVE Geophysical anomaly

SURVEYED	ASSAYS: PARTIAL	COMPLETE	COMPUTER	1	2	3	4	5	6	7	8

LOCATION 1100 S, 1000 E

EASTING 389042 UTM
NORTHING 6277786 NAD83
ELEVATION 1438 m ± 8m

AZIMUTH 083

DIP -70°

TOTAL LENGTH 21.3 m

LOGGED BY P Metcalfe

DATE STARTED September 19th 2002

DATE September 27th 2002

DATE COMPL. September 20th 2002

CONTRACTOR Neill's Mining

CORE SIZE BQ

DIP TESTS None READ BY ⟶

DEPTH	AZIMUTH MAGNETIC	AZIMUTH TRUE	DIP READ	DIP TRUE	DEPTH	AZIMUTH MAGNETIC	AZIMUTH TRUE	DIP READ	DIP TRUE

COMMENTS

Hole collared in extremely broken rock
Abandoned in major fault

PROJECT BX

SKELETON LOG

0-1.3 m OVERBURDEN, not recovered

1.3-8.7m ALTERED CLASTIC SEDIMENTARY ROCKS

8.7-21.3m ALTERED MONZONITE

PAGE 2 OF 3

HOLE NO. BX02-7

INTERVAL	GEOLOGICAL DESCRIPTION	ALTERATION	MINERALIZATION	SAMPLE NUMBER	SAMPLES From	SAMPLES To	SAMPLES Width	ASSAYS Au ppm	ASSAYS Ag ppm	ASSAYS Cu ppm	ASSAYS Pb ppm	ASSAYS Zn ppm
0 - 1.3 m	OVERBURDEN, not recovered											
1.3 - 8.7 m	ALTERED CLASTIC SEDIMENTARY ROCKS - Probably Stuhini Group - Sand-sized grains, possibly relic but may be recrystallized - Grains equant, 1mm - Oxidized areas sandy brown, with relic pale green patches	- Intense pervasive skarn alteration and mineralization - Light grey-green mineral, possibly diopside, 20-30% whole rock, in relic areas, partially altered to (?)tremolite - Subhedral-anhedral (?)garnet, pale yellow-green, in zones adjacent to fractures and veins - Epidote 15-20% whole rock, in irregular aggregates and adjacent to veinlets	- Pervasively oxidized in upper part of hole - Relic pyrite along fractures; also as disseminated subhedra 1-3mm in size; also irregular aggregates 2-5mm; 2-5%									
F**	@1.5-6.1m Shattered and broken core with clay gouge; roughly 0.6m core loss			23654	1.5m	6.1m	4.6m					
			ca. 5.6m (core loss uphole and downhole) Vein sets listed oldest to youngest, azimuth rotations	23655	6.1m	7.4m	1.3m					
			relative to oldest, looking downhole • Fractures healed with pyrite, 25° with core axis (WCA) • Oxidized pyrite 50° WCA, azimuth 30° anticlockwise • Oxidized pyrite 50° WCA, 90° clockwise • Oxidized pyrite 40° WCA approximately opposite azimuth • Also very indistinct bleaching at 15° WCA, 90° clockwise relative age not determined	23656	7.4m	8.7m	1.3m					
	@8.7m Downhole contact obscured by shattering of core; very abrupt; suspect significant core loss											

PAGE 3 OF 3

HOLE NO. BX02-7

INTERVAL	GEOLOGICAL DESCRIPTION	ALTERATION	MINERALIZATION	SAMPLE NUMBER	SAMPLES From	SAMPLES To	SAMPLES Width	ASSAYS Au ppm	ASSAYS Ag ppm	ASSAYS Cu ppm	ASSAYS Pb ppm	ASSAYS Zn ppm
8.7-21.3m EOH	ALTERED MONZONITE • Relic plagioclase phenocrysts 1-4mm, edges blurred by alteration, anhedral • Other phenocrysts and any groundmass pervasively replaced • Light greenish grey colour	- Intense pervasive feldspar, probably K-feldspar - Moderate pervasive retrograde epidote after K-feldspar, 30-35% whole rock	- Pyrite 1-2% whole rock, disseminated with epidote also (probably) along fractures now oxidized - Trace malachite along fractures - Soft black mineral, pyrolusite, possibly chalcocite along fractures	23657	8.7m	12.8m	4.1m					
	@12.8-21.3m Gravel, sand and minor clay; 5.2m core loss; hole abandoned		- Fractures at 30° 60° and 15° WCA and ⊥ WCA, last set possibly conjugate with 15° set	23659	12.8m	16.2m	3.4m					
				23660	16.2m	21.3m	5.1m					

Palatine Geological

Diamond drill log

DDH NO. BX02-8

SAMP. NOS. 23651-23653

OBJECTIVE Magnetic anomaly / geophysical conductor

SURVEYED		ASSAYS:	PARTIAL	COMPLETE		COMPUTER	1	2	3	4	5	6	7	8

LOCATION SW Grid B/L (1000E, 1100S)

EASTING 389042 UTM

NORTHING 6277786 NAD83

ELEVATION 1438 m ± 8m

AZIMUTH —

DIP -90°

TOTAL LENGTH 13.7m

LOGGED BY P Metcalfe

DATE STARTED September 22nd 2002

DATE September 26th 2002

DATE COMPL. September 22nd 2002

CONTRACTOR Neill's Mining

CORE SIZE BQ

DIP TESTS None

READ BY —

DEPTH	AZIMUTH MAGNETIC	AZIMUTH TRUE	DIP READ	DIP TRUE	DEPTH	AZIMUTH MAGNETIC	AZIMUTH TRUE	DIP READ	DIP TRUE

COMMENTS

Entire hole in fault zone, necessitating casing
Core recovery less than 50% in lower part of hole
Hole abandoned

PROJECT BX

SKELETON LOG

0-13.7m FAULT ZONE, possibly in Lehto hornblende + plagioclase phyric monzonite

EOH

HOLE NO. BX 02-8

INTERVAL	GEOLOGICAL DESCRIPTION	ALTERATION	MINERALIZATION	SAMPLE NUMBER	SAMPLES From	SAMPLES To	SAMPLES Width	ASSAYS Au ppm	ASSAYS Ag ppm	ASSAYS Cu ppm	ASSAYS Pb ppm	ASSAYS Zn ppm
0-13.7m	FAULT ZONE - Shattered core to EOH - Fractures in the 2-3 rounds of core recovered unshattered at angles of 15-20° with core axis (W<A) - Pervasively altered and oxidized; relic textures suggest protolith may be Lehto hornblende + plagioclase-phyric monzonite	- Intense pervasive K-feldspar alteration - Intense patchy retrograde epidote	- Pyrite 2-5% as 1mm anhedra disseminated in non-oxidized sections - Oxidized portions contain traces of malachite and possibly chalcocite									
	@0-3.4m 3m core loss			23651	0	3.4m	3.4m					
			@0-7.0m Rusty brown oxidation									
	@3.4-7.0m 1.3m core loss			23652	3.4m	7.0m	3.6m					
	@7.0-13.7m 3.4m core loss		@7.0-13.7m Possibly chalcocite coating fragments	23653	7.0m	13.7m	6.7m					
@13.7m	Hole abandoned											

Palatine Geological
Diamond drill log

DDH NO. BX 02-9

SAMP. NOS. 23634-23649

OBJECTIVE Black Bluff

SURVEYED | ASSAYS: PARTIAL | COMPLETE | COMPUTER 1 2 3 4 5 6 7 8

LOCATION Base of Black Bluff

EASTING 389131 UTM

NORTHING 6277462 NAD 83

ELEVATION 1414 m ±7m

AZIMUTH 054

DIP* -72.5°

TOTAL LENGTH 17.7 m

LOGGED BY P Metcalfe

DATE September 26th 2002

DATE STARTED September 23rd 2002

DATE COMPL. September 24th 2002

CONTRACTOR Neill's Mining

CORE SIZE BQ

DIP TESTS None READ BY —

DEPTH	AZIMUTH MAGNETIC	AZIMUTH TRUE	DIP READ	DIP TRUE	DEPTH	AZIMUTH MAGNETIC	AZIMUTH TRUE	DIP READ	DIP TRUE

COMMENTS

Casing and rods stuck at EOH
Rig pulled off-line attempting to free rods
Hole and steel abandoned

* Dip at collar taken from casing after abandonment; hole originally collared at -75°

PROJECT BX

SKELETON LOG

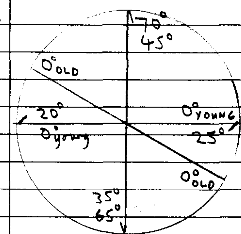
0-3.4m OVERBURDEN, not recovered

3.4-17.7m EOH MASSIVE QUARTZ + MAGNETITE STOCKWORK HOSTED BY PERVASIVE K-FELDSPAR ALTERATION

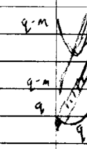
PAGE 2 OF 5 | HOLE NO. BX02-9

INTERVAL	GEOLOGICAL DESCRIPTION	ALTERATION	MINERALIZATION	SAMPLE NUMBER	SAMPLES From	SAMPLES To	SAMPLES Width	ASSAYS Au ppm	ASSAYS Ag ppm	ASSAYS Cu ppm	ASSAYS Pb ppm	ASSAYS Zn ppm
0-3.4m	OVERBURDEN, not recovered											
3.4-17.7m EOH	MASSIVE K-FELDSPAR WITH QUARTZ + MAGNETITE STOCKWORK - Protolith unknown; inferred to be Lehto hornblende monzonite - Variegated white/greenish black on fresh surfaces - Moderately fractured and veined at various angles with core axis (WCA)	- Intense pervasive K-feldspar + magnetite, relic - Patchy intense epidote after K-feldspar (retrograde)	- Moderately, locally intensely veined, usually along fractures - Veins comprise quartz + magnetite (earliest), quartz (intermediate) and quartz + pyrite ± chalcopyrite ± malachite. The latest phase is explicitly associated with epidote									
	@3.4-10.2m Oxidized zone, described on right		@3.4-10.2m Veined with later veins containing oxidised sulphide, relic pyrite and	23634	3.4	4.2m	0.8m					
F *	@3.4-4.1m Shattered core with minor sand and clay gouge; small fault		traces of malachite. A soft black mineral (pyrolusite, possibly chalcocite) coats fractures.									
			Pyrite also occurs as isolated 1-2mm subhedra and 2-5 mm aggregates with epidote; forms 2-5% whole rock. Stockwork and matrix contain 10-30% magnetite	23635	4.2	5.2m	1.0m					
			@5.8m Veinlets, listed from oldest. Azimuths relative to oldest, looking downhole: • Irregular, magnetite at 70°WCA • Irregular, magnetite at 35°WCA, opposite azimuth • Quartz, magnetite rim subparallel WCA azimuth 60° anticlockwise • Quartz, magnetite rim 20° WCA azimuth 90° anticlockwise • Quartz, magnetite rim; 25°; 90° clockwise	23636	5.2	6.2	1.0m					

HOLE NO. BX02-9

INTERVAL	GEOLOGICAL DESCRIPTION	ALTERATION	MINERALIZATION	SAMPLE NUMBER	SAMPLES From	To	Width	ASSAYS Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm
	MASSIVE K-FELDSPAR WITH STOCKWORK (cont.)		@5.8 m Veinlets (cont.) • Quartz, 65° WCA; opposite azimuth • Quartz, 45° WCA; same azimuth • Quartz + sulphide subparallel WCA — Directions represented at left, using right hand rule									
			@5.9-6.0m Grey quartz vein with minor oxidized sulphides; contacts obscured by shattered core; low angle WCA	23637	6.2m	7.2m	1.0m					
F *	@7.0-8.0m Shattered core, clay gouge; 0.5m core loss											
				23638	7.2m	8.1m	0.9m					
	@8.0-9.0m Blocky and broken											
				23639	8.1m	9.1m	1.0m					
F *	@9.0-9.4m Shattered core; 0.1m core loss											
			@9.4m Start of weak malachite mineralization	23640	9.1m	10.1m	1.0m					
			@10.1-10.7m Banded quartz+magnetite vein; 15° subparallel WCA. Appears to be oldest phase in this interval. Cut by: • Quartz vein with oxidized core at 85° WCA, same azimuth; • Quartz + epidote + pyrite + malachite vein at 15° WCA azimuth 90° clockwise from previous, looking down • Epidote + pyrite, 50° WCA, same azimuth as previous epidote; may be conjugate • Conjugate(?) fractures with oxidized pyrite at 0° and 90° WCA, same azimuth as epidote veining	23641	10.1m	11.0m	0.9m					

HOLE NO. BX02-9

INTERVAL	GEOLOGICAL DESCRIPTION	ALTERATION	MINERALIZATION	SAMPLE NUMBER	SAMPLES From	SAMPLES To	SAMPLES Width	ASSAYS Au ppm	ASSAYS Ag ppm	ASSAYS Cu ppm	ASSAYS Pb ppm	ASSAYS Zn ppm
	MASSIVE K-FELDSPAR (cont.)											
	@11.8-12.0m Shattered core; no loss		@ 11-13m Weak quartz + magnetite and oxidized quartz + sulphide veining. Malachite as abundant	23642	11.0m	12.0m	1.0m					
			as 3% locally, associated with pervasive epidote and with 2-5% anhedral disseminated pyrite	23643	12.0m	13.0m	1.0m					
			@ 13.0-13.2m Two banded quartz +	23644	13.0m	14.0m	1.0m					
			magnetite vein sets at 15°	23645	13.0m	14.0m	1.0m					
			 WCA one rotated 90° clockwise from the other, viewed looking downhole	MEAN			1.0m					
F *	@ 14.3-14.8m Shattered core; small fault; negligible core loss		The second-mentioned is parallel to a quartz vein with an oxidized sulphide core	23646	14.0m	14.9m	0.9m					
	@ 14.8-15.8m Shattered and broken core; no core loss		The first-mentioned has the same azimuth as a late quartz vein set at 45° WCA, containing 1-3% malachite	23647	14.9m	15.8m	0.9m					
			@ 15.8-16.4m Intense quartz + magnetite veining at 15° and 75° WCA	23648	15.8m	16.7m	0.9m					
			@ 17.1-17.4m At least six vein directions, detailed overleaf. Malachite decreasing slightly, still associated with epidote	23649	16.7m	17.7m	1.0m					

HOLE NO. BX02-9

INTERVAL	GEOLOGICAL DESCRIPTION	ALTERATION	MINERALIZATION	SAMPLE NUMBER	SAMPLES From	To	Width	ASSAYS Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm
	MASSIVE K-FELDSPAR (cont.)											
			@ 17.1-17.4m Vein sets oldest to youngest azimuths taken ~~from~~ youngest (epidote) looking downhole									
			• Subparallel WCA, 90° to epidote									
			• 15° WCA, 150° anticlockwise									
			• 75° WCA, 180° (opposite azimuth)									
			• 40° WCA, 60° clockwise									
			• 35° WCA 150° anticlockwise									
			• Epidote 20° WCA									
	@ 17.7m End of Hole											

APPENDIX C: ANALYTICAL RESULTS FROM DIAMOND DRILL CORE

APPENDIX C: ANALYTICAL DATA FOR DIAMOND DRILL CORE

SAMPLE	Hole	m From	m To	m Interval	ppm Mo	ppm Cu	ppm Pb	ppm Zn	ppm Ag	ppm Ni	ppm Co	ppm Mn	% Fe	ppm As	ppm U	ppb Au	ppm Th	ppm Sr	ppm Cd	ppm Sb	ppm Bi
599401	BX02-1	6.1	7.2	1.1	2.6	4730.9	5.6	156	0.1	1.6	11.5	1593	2.61	1.4	0.9	3.5	9.2	15	1.7	0.2	0.3
599402	BX02-1	7.2	8.2	1.0	8.9	641.7	9.5	610	0.3	1.7	17.8	6401	10.99	4.4	0.8	24.7	8.9	2	0.2	0.1	1.4
599403	BX02-1	8.2	8.9	0.7	4.5	330.5	5.9	248	0.2	0.9	9.9	2681	4.96	1.7	0.8	4.2	9.1	2	0.2	0.2	1.2
599404	BX02-1	8.9	9.8	0.9	7.0	350.1	6.3	240	0.3	1.6	9.4	2695	5.37	1.8	0.7	6.8	7.8	8	1.0	0.1	1.2
599405	BX02-1	9.8	10.7	0.9	5.8	528.8	5.9	170	0.4	1.3	12.5	1912	4.89	1.2	0.7	3.3	7.4	3	0.2	0.1	1.2
599406	BX02-1	10.7	11.4	0.7	2.4	1930.7	4.3	123	0.3	1.8	15.0	1927	3.92	1.9	0.8	5.1	8.1	9	2.4	0.1	0.5
599407	BX02-1	11.4	13.7	2.3	6.3	633.5	3.3	98	0.5	1.6	10.1	980	5.63	0.6	0.6	5.5	6.2	3	0.4	0.1	0.8
599408	BX02-2	7.8	8.8	1.0	5.5	445.3	4.4	76	0.4	2.1	4.9	561	6.73	1.0	0.5	5.1	4.4	19	0.3	0.2	0.5
599409	BX02-2	8.8	9.4	0.6	4.7	717.0	5.4	36	1.7	1.7	7.9	422	6.12	1.7	0.2	6.2	1.7	2	0.2	0.3	2.0
599410	BX02-2	9.4	10.1	0.7	2.1	349.0	2.4	41	0.4	2.1	9.8	510	5.56	1.1	0.2	2.9	2.0	3	0.5	0.2	0.3
599411	BX02-2	10.1	11.2	1.1	2.6	304.8	1.8	38	0.1	2.1	6.8	415	8.14	0.7	0.2	1.3	2.3	5	0.3	0.1	0.2
599412	BX02-2	11.2	12.3	1.1	2.2	471.0	1.9	54	0.1	1.8	8.0	593	7.04	< .5	0.2	1.5	3.2	5	0.4	0.1	0.1
599413	BX02-2	12.3	13.2	0.9	2.7	486.0	2.1	57	0.2	2.1	7.8	455	7.25	1.1	0.3	15.9	2.5	5	0.3	0.1	0.4
599414	BX02-2	13.2	14.0	0.8	4.8	231.2	2.2	43	0.2	1.8	3.5	354	6.92	< .5	0.3	2.0	2.4	3	0.1	0.1	0.1
599415	BX02-4	3.7	6.1	2.4	1.7	648.3	33.7	5111	1.0	1.9	14.7	2325	12.70	20.3	0.4	106.5	< .1	64	231.3	2.1	0.2
599416	BX02-4	6.1	9.3	3.2	16.3	4966.0	40.1	9370	3.0	5.7	60.4	2658	17.24	28.8	1.0	298.8	0.1	23	31.1	2.0	0.4
599417	BX02-4	9.3	12.8	3.5	20.3	12128.5	306.7	10875	2.5	8.9	68.0	3810	23.81	43.9	0.9	425.0	0.3	17	26.8	2.7	1.3
599418	BX02-4	12.8	13.9	1.1	1.7	895.3	19.5	1367	0.4	2.5	6.5	1741	3.73	9.9	0.3	95.8	< .1	76	7.1	1.2	0.1
599419	BX02-4	13.9	15.2	1.3	20.0	1758.9	16.3	5438	1.2	8.2	34.4	2339	19.27	42.9	1.2	664.6	0.1	35	30.6	2.7	0.3
599420	BX02-3	3.8	4.9	1.1	0.6	42.0	0.7	1063	0.1	3.5	5.3	1954	16.61	26.6	0.5	145.6	< .1	55	3.9	1.3	< .1
599421	BX02-3	4.9	6.4	1.5	0.6	26.2	1.9	25691	0.5	4.7	6.0	1312	6.86	38.9	0.6	149.5	< .1	112	119.5	2.2	0.3
599422	BX02-3	6.4	7.6	1.2	0.6	690.2	2.4	5185	0.3	3.2	11.1	2577	2.58	5.1	0.3	56.7	< .1	113	35.8	0.7	0.1
599423	BX02-3	7.6	8.7	1.1	0.2	138.1	4.3	4110	0.2	2.2	2.1	1291	1.44	4.6	0.2	24.6	< .1	73	28.3	0.8	0.1
599424	BX02-3	8.7	9.9	1.2	0.5	192.5	6.1	3423	0.2	1.7	14.3	1537	2.38	20.9	0.4	44.5	< .1	157	19.6	1.9	0.1
599425	BX02-3	9.9	10.9	1.0	0.7	995.5	13.8	3532	0.1	3.3	37.3	2617	2.37	12.4	0.5	16.3	< .1	287	19.4	1.0	0.1
599426	BX02-3	10.9	12.5	1.6	0.9	492.8	1.9	7032	0.2	9.0	28.4	2247	12.55	44.3	0.6	25.9	< .1	283	41.5	2.6	0.1
599427	BX02-3	12.5	13.7	1.2	0.6	281.8	2.4	1988	0.1	2.4	8.9	1099	14.29	41.8	0.6	60.2	< .1	65	8.3	2.2	0.3
599428	BX02-3	13.7	15.0	1.3	0.7	472.2	3.9	2780	0.4	2.2	32.1	1967	25.61	23.1	0.5	76.5	< .1	358	15.9	1.3	0.4
599429	BX02-3	15.0	15.7	0.7	1.1	945.1	4.7	17805	0.9	1.9	23.1	1398	15.36	18.3	1.1	467.5	< .1	242	111.9	1.2	0.3
599430	BX02-3	15.7	16.3	0.6	1.9	2101.4	8.9	48076	1.5	6.2	5.5	1001	23.76	55.9	2.0	1619.3	< .1	14	60.9	1.4	0.8
599431	BX02-3	16.3	17.2	0.9	6.9	1021.5	6.5	2347	0.4	5.5	18.6	1131	11.14	17.8	0.5	269.2	0.1	60	10.0	1.6	0.1
599432	BX02-3	17.2	19.8	2.6	4.6	731.2	4.5	2750	0.5	5.1	16.4	1380	12.84	18.8	1.5	149.5	4.1	59	10.3	1.0	0.2
599433	BX02-5	0.0	3.1	3.1	2.2	109.7	16.7	132	2.6	0.1	1.0	269	3.06	3.8	0.2	19.3	0.4	7	0.6	0.8	0.2
599434	BX02-5	3.1	4.1	1.0	2.4	371.8	9.7	107	1.6	0.1	4.6	1065	12.01	8.8	1.4	11.0	1.7	38	0.3	0.7	0.3
599435	BX02-5	4.1	5.1	1.0	17.9	306.2	19.5	55	1.9	3.3	3.8	828	14.83	7.4	0.9	13.9	1.1	76	0.1	1.0	0.3
599436	BX02-5	5.1	6.1	1.0	63.7	334.3	157.7	45	2.5	0.2	4.0	977	17.80	7.4	1.0	15.8	1.0	74	0.1	0.6	0.9
599437	BX02-5	6.1	7.1	1.0	1092.8	532.4	4424.9	62	12.1	0.6	3.5	417	20.37	32.9	0.2	72.2	0.8	88	0.1	1.7	3.3
59943X	BX02-5	7.1	8.1	1.0	303.3	486.6	28.1	51	3.5	1.1	8.3	757	15.57	6.7	0.5	32.5	0.7	33	0.2	0.9	0.3
599440	BX02-5	8.1	9.1	1.0	118.8	357.4	17.9	74	1.5	0.5	4.2	1048	11.27	1.6	0.9	4.8	2.3	93	0.2	0.6	0.1
599441	BX02-5	9.1	10.1	1.0	25.0	254.3	56.1	59	1.8	0.8	2.4	461	4.89	1.0	0.7	6.4	3.9	83	0.2	0.5	0.2
599442	BX02-5	10.1	11.1	1.0	43.6	219.0	328.6	56	3.4	1.3	1.7	453	4.30	0.6	0.8	6.1	3.8	112	0.1	0.5	0.2
599443	BX02-5	11.1	12.1	1.0	41.6	268.6	93.4	55	1.6	1.2	1.5	305	4.62	1.0	0.6	6.9	3.6	107	0.2	0.4	0.2
599444	BX02-5	12.1	13.1	1.0	26.7	217.1	58.6	59	2.9	1.4	1.2	336	4.98	< .5	0.8	30.6	3.3	136	0.2	0.4	0.4
599445	BX02-5	13.1	14.1	1.0	44.6	315.3	148.7	59	4.4	1.1	2.2	325	5.61	< .5	0.7	14.6	3.1	222	0.3	0.5	0.3
599446	BX02-5	14.1	15.6	1.5	310.7	623.3	1935.6	185	4.3	1.4	4.8	883	9.36	8.3	0.8	32.3	3.9	306	0.3	0.7	0.4
599447	BX02-5	15.6	17.1	1.5	52.0	361.4	438.3	116	0.9	1.5	4.1	568	4.78	< .5	0.9	4.4	3.3	65	0.1	0.2	0.1
599448	BX02-5	17.1	18.6	1.5	10.0	303.3	23.3	69	0.6	1.9	2.8	393	2.76	< .5	0.8	12.6	2.9	63	0.1	0.3	0.1

APPENDIX C: ANALYTICAL DATA FOR DIAMOND DRILL CORE

		m	m	m	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
SAMPLE	**Hole**	**From**	**To**	**Interval**	**V**	**Ca**	**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**B**	**Al**	**Na**	**K**	**W**	**Hg**	**Sc**	**Tl**	**S**	**Ga**
599401	BX02-1	6.1	7.2	1.1	29	0.52	0.062	9	14.9	0.69	91	0.002	1	1.18	0.002	0.31	0.5	0.01	1.7	0.1	< .05	4
599402	BX02-1	7.2	8.2	1.0	93	0.10	0.056	4	1.8	6.99	36	0.005	< 1	6.54	0.004	0.08	0.4	0.01	3.1	< .1	1.96	19
599403	BX02-1	8.2	8.9	0.7	34	0.08	0.062	4	8.7	2.58	55	0.002	1	2.72	0.003	0.23	0.5	0.01	2.0	0.1	0.90	8
599404	BX02-1	8.9	9.8	0.9	28	0.27	0.054	4	3.0	2.19	81	0.002	1	2.41	0.005	0.24	1.1	0.01	1.4	0.1	0.92	7
599405	BX02-1	9.8	10.7	0.9	26	0.06	0.036	3	18.6	1.33	99	0.003	1	1.71	< .001	0.29	0.6	0.01	1.3	0.1	0.97	6
599406	BX02-1	10.7	11.4	0.7	30	0.25	0.049	13	4.1	0.48	107	0.002	1	1.04	0.005	0.34	1.2	0.01	1.3	0.1	0.39	4
599407	BX02-1	11.4	13.7	2.3	30	0.04	0.031	2	21.2	0.44	78	0.004	1	1.05	0.004	0.30	0.6	< .01	1.0	0.1	0.79	5
599408	BX02-2	7.8	8.8	1.0	64	0.17	0.021	3	6.6	0.28	63	0.015	1	0.79	0.014	0.27	2.2	0.01	1.2	0.1	< .05	6
599409	BX02-2	8.8	9.4	0.6	47	0.03	0.003	1	39.5	0.04	55	0.010	< 1	0.36	0.003	0.23	1.4	0.01	0.4	0.1	0.32	4
599410	BX02-2	9.4	10.1	0.7	47	0.13	0.003	1	9.5	0.09	37	0.016	1	0.47	0.005	0.24	3.0	0.01	0.5	0.1	0.30	4
599411	BX02-2	10.1	11.2	1.1	65	0.20	0.002	1	9.3	0.07	83	0.017	1	0.38	0.007	0.23	3.9	0.01	0.5	< .1	0.09	5
599412	BX02-2	11.2	12.3	1.1	66	0.24	0.004	2	30.5	0.15	68	0.021	1	0.54	0.011	0.23	0.8	0.01	0.7	< .1	0.06	6
599413	BX02-2	12.3	13.2	0.9	58	0.06	0.003	1	8.2	0.10	69	0.011	< 1	0.45	0.005	0.25	2.7	< .01	0.5	0.1	0.16	4
599414	BX02-2	13.2	14.0	0.8	67	0.04	0.005	1	36.4	0.12	101	0.027	< 1	0.48	0.009	0.22	1.1	0.01	0.8	< .1	< .05	5
599415	BX02-4	3.7	6.1	2.4	10	18.50	0.007	2	3.3	5.24	29	0.004	38	0.18	0.002	0.01	1.2	0.10	0.8	< .1	< .05	5
599416	BX02-4	6.1	9.3	3.2	20	5.24	0.028	12	7.0	9.00	103	0.011	58	0.59	0.007	< .01	2.3	0.14	0.9	< .1	< .05	12
599417	BX02-4	9.3	12.8	3.5	18	3.17	0.024	25	5.3	4.84	78	0.002	30	0.77	0.008	< .01	8.2	0.08	1.1	< .1	< .05	8
599418	BX02-4	12.8	13.9	1.1	6	28.80	0.016	2	2.9	2.27	18	0.005	15	0.05	0.003	< .01	0.9	< .01	0.4	< .1	0.06	4
599419	BX02-4	13.9	15.2	1.3	22	10.02	0.060	3	5.8	7.41	51	0.014	43	0.16	0.007	< .01	3.4	0.02	1.0	< .1	< .05	14
599420	BX02-3	3.8	4.9	1.1	30	11.45	0.005	1	7.2	9.29	10	0.021	59	0.43	0.002	< .01	0.6	0.01	1.4	< .1	< .05	14
599421	BX02-3	4.9	6.4	1.5	14	9.32	0.010	< 1	5.5	16.09	7	0.008	99	0.15	0.003	< .01	2.2	0.07	1.0	< .1	0.12	5
599422	BX02-3	6.4	7.6	1.2	3	22.46	0.004	4	2.8	10.27	17	0.004	17	0.14	0.004	< .01	2.2	0.02	0.6	< .1	< .05	1
599423	BX02-3	7.6	8.7	1.1	3	23.25	0.005	2	2.5	10.90	5	0.004	11	0.06	0.003	< .01	1.6	0.01	0.6	< .1	< .05	1
599424	BX02-3	8.7	9.9	1.2	3	25.39	0.005	1	2.3	9.25	10	0.004	48	0.03	0.003	< .01	2.5	0.01	1.5	< .1	< .05	2
599425	BX02-3	9.9	10.9	1.0	3	26.09	0.007	1	1.6	4.18	28	0.003	33	0.08	0.002	< .01	4.5	0.01	0.6	< .1	0.07	2
599426	BX02-3	10.9	12.5	1.6	14	18.38	0.008	2	2.3	5.39	15	0.007	52	0.12	0.003	< .01	11.5	0.01	0.9	< .1	0.07	12
599427	BX02-3	12.5	13.7	1.2	9	3.33	0.011	< 1	1.7	21.19	6	0.003	84	0.07	0.001	< .01	26.1	< .01	0.9	< .1	< .05	4
599428	BX02-3	13.7	15.0	1.3	9	15.58	0.010	1	1.1	3.03	42	0.003	20	0.08	0.003	< .01	18.0	0.02	1.7	< .1	< .05	4
599429	BX02-3	15.0	15.7	0.7	6	18.77	0.012	1	1.8	3.41	54	0.005	36	0.05	0.004	< .01	9.5	0.08	1.2	< .1	< .05	12
599430	BX02-3	15.7	16.3	0.6	10	0.58	0.016	1	2.9	8.68	29	0.005	68	0.07	0.004	< .01	9.2	0.17	1.2	< .1	0.08	30
599431	BX02-3	16.3	17.2	0.9	21	17.98	0.066	6	6.4	5.31	56	0.018	28	0.18	0.007	0.01	2.6	0.01	1.1	< .1	0.12	8
599432	BX02-3	17.2	19.8	2.6	21	7.05	0.038	6	4.9	5.81	65	0.023	22	1.79	0.019	0.11	9.3	0.01	1.2	< .1	0.07	11
599433	BX02-5	0.0	3.1	3.1	7	0.48	0.010	1	< 1.0	1.23	36	0.008	< 1	0.22	0.006	0.01	0.4	0.01	0.8	< .1	0.29	3
599434	BX02-5	3.1	4.1	1.0	46	4.11	0.046	4	3.9	2.14	46	0.052	< 1	1.53	0.004	< .01	8.5	0.01	1.9	< .1	2.48	16
599435	BX02-5	4.1	5.1	1.0	84	4.42	0.030	2	8.2	0.44	50	0.065	< 1	0.66	0.006	0.01	27.5	0.02	1.2	< .1	2.54	18
599436	BX02-5	5.1	6.1	1.0	138	5.47	0.045	3	6.8	0.18	8	0.041	< 1	0.74	0.003	0.01	3.6	< .01	0.9	< .1	2.16	14
599437	BX02-5	6.1	7.1	1.0	135	1.13	0.078	3	4.0	0.16	11	0.045	< 1	0.24	0.015	0.02	11.6	0.02	0.6	< .1	1.61	10
59943X	BX02-5	7.1	8.1	1.0	161	3.72	0.024	1	9.1	0.07	16	0.014	< 1	0.5	0.004	< .01	18.5	0.02	0.8	< .1	2.70	13
599440	BX02-5	8.1	9.1	1.0	116	2.45	0.057	4	7.7	0.45	30	0.068	1	1.10	0.012	0.04	4.5	0.01	1.7	< .1	0.42	11
599441	BX02-5	9.1	10.1	1.0	57	0.38	0.094	5	7.3	0.65	74	0.108	1	0.95	0.069	0.15	3.8	< .01	2.7	0.1	0.28	6
599442	BX02-5	10.1	11.1	1.0	49	0.26	0.096	8	6.8	0.54	158	0.111	1	0.91	0.098	0.23	3.3	0.03	2.8	0.1	0.37	5
599443	BX02-5	11.1	12.1	1.0	56	0.11	0.105	7	8.1	0.47	130	0.082	2	0.76	0.110	0.26	4.6	0.01	2.3	0.1	0.46	5
599444	BX02-5	12.1	13.1	1.0	64	0.35	0.107	9	8.9	0.68	177	0.087	2	1.03	0.102	0.22	4.2	0.01	2.8	0.1	0.63	7
599445	BX02-5	13.1	14.1	1.0	50	0.53	0.094	11	11.2	0.47	76	0.087	1	0.90	0.055	0.25	5.1	0.01	2.2	0.1	0.78	6
599446	BX02-5	14.1	15.6	1.5	68	0.72	0.162	18	8.6	0.90	88	0.086	2	1.42	0.043	0.36	7.0	0.10	3.2	0.1	1.35	9
599447	BX02-5	15.6	17.1	1.5	48	0.17	0.114	8	8.2	0.59	68	0.067	2	1.02	0.036	0.25	4.8	0.02	3.2	0.1	0.25	5
599448	BX02-5	17.1	18.6	1.5	54	0.43	0.115	8	7.8	0.61	183	0.075	3	1.02	0.057	0.14	3.5	< .01	3.4	< .1	0.21	4

APPENDIX C: ANALYTICAL DATA FOR DIAMOND DRILL CORE

		m	m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
SAMPLE	**Hole**	**From**	**To**	**Interval**	**Mo**	**Cu**	**Pb**	**Zn**	**Ag**	**Ni**	**Co**	**Mn**	**Fe**	**As**	**U**	**Au**	**Th**	**Sr**	**Cd**	**Sb**	**Bi**
599449	BX02-5	18.6	19.9	1.3	3.8	265.5	11.0	57	0.5	1.6	3.9	473	2.22	< .5	1.0	12.6	3.0	73	0.3	0.3	0.1
599450	BX02-5	19.9	21.0	1.1	11.1	326.6	25.9	105	0.5	2.2	3.9	383	3.52	< .5	0.8	8.1	2.7	81	0.3	0.2	0.1
23614	BX02-5	21.0	22.1	1.1	113.5	262.9	349.4	120	0.8	2.0	3.7	645	2.54	5.5	0.9	6.6	2.5	96	0.4	1.5	0.2
23615	BX02-5	22.1	23.6	1.5	8.4	206.1	23.3	92	0.7	1.9	3.5	532	2.52	2.4	0.8	6.4	1.8	81	0.6	0.9	0.1
23616	BX02-5	23.6	25.1	1.5	29.0	353.4	32.5	227	1.4	2.0	5.5	388	4.75	3.7	1.2	15.7	2.5	94	0.6	0.7	0.4
23617	BX02-5	25.1	26.6	1.5	23.9	305.7	29.5	183	0.7	1.9	5.0	314	3.62	2.6	1.1	7.2	2.2	86	0.7	0.8	0.3
23619	BX02-5	26.6	28.1	1.5	6.6	147.0	8.8	69	0.3	1.5	3.7	250	1.83	2.8	0.7	8.4	1.6	80	0.4	0.7	0.1
23620	BX02-5	28.1	29.6	1.5	9.9	216.5	14.0	118	0.5	2.1	3.9	350	2.33	2.6	1.0	7.4	1.9	95	0.5	0.8	0.2
23621	BX02-5	29.6	31.1	1.5	25.3	302.3	15.2	206	0.6	1.5	4.9	367	4.58	4.0	2.1	9.2	3.0	151	0.8	0.8	0.3
23622	BX02-5	31.1	32.6	1.5	16.4	286.8	12.0	205	0.5	1.8	5.5	368	3.77	2.9	1.8	6.9	3.1	109	0.7	0.6	0.3
23623	BX02-5	32.6	34.1	1.5	11.0	187.7	10.4	118	0.4	1.3	3.8	357	3.27	2.4	1.8	6.5	3.1	146	0.6	0.5	0.3
23624	BX02-5	34.1	35.6	1.5	7.1	274.1	8.1	110	0.5	2.0	4.8	312	3.60	2.1	1.5	8.8	3.2	105	0.5	0.5	0.2
23625	BX02-5	35.6	37.1	1.5	11.4	182.1	7.6	140	0.4	1.4	3.3	298	2.22	1.7	1.1	6.7	5.3	44	0.4	0.4	0.1
23626	BX02-5	37.1	38.6	1.5	9.4	196.5	10.3	133	0.5	2.5	3.7	346	2.52	1.8	1.0	4.2	4.7	53	0.2	0.5	0.1
23627	BX02-5	38.6	40.1	1.5	4.9	351.1	13.4	144	0.6	2.5	9.9	516	3.73	4.1	1.1	16.6	3.0	84	0.2	0.7	0.2
23628	BX02-5	40.1	41.6	1.5	5.4	345.4	16.7	143	0.9	2.6	6.2	424	3.59	2.0	1.0	9.2	2.7	116	0.3	0.5	0.3
23629	BX02-5	41.6	43.1	1.5	4.4	350.8	12.1	148	0.4	2.6	10.2	481	3.72	2.8	1.1	15.8	3.1	139	1.0	0.8	0.3
23630	BX02-5	43.1	44.6	1.5	10.6	216.4	29.3	138	0.2	1.6	4.8	219	3.16	1.9	1.2	8.9	5.1	74	0.5	0.4	0.2
23631	BX02-5	44.6	46.1	1.5	6.3	244.8	19.3	169	0.4	2.0	6.5	257	3.21	1.9	1.0	8.5	4.2	60	0.6	0.4	0.2
23632	BX02-5	46.1	47.6	1.5	6.6	258.2	14.3	119	0.4	2.1	8.4	261	3.79	2.2	1.2	11.5	3.1	86	0.7	0.4	0.3
23633	BX02-5	47.6	48.2	0.6	2.8	143.8	7.9	146	0.3	1.5	4.0	438	2.22	1.5	0.9	2.6	2.3	97	0.6	0.6	0.1
23634	BX02-9	3.4	4.2	0.8	2.9	327.1	4.4	186	0.6	1.9	5.7	523	6.67	1.0	0.7	4.3	4.2	13	0.2	0.3	0.2
23635	BX02-9	4.2	5.2	1.0	1.8	134.0	3.1	123	0.2	2.6	8.8	578	7.12	1.2	0.3	2.8	2.3	7	0.1	0.5	0.1
23636	BX02-9	5.2	6.2	1.0	8.6	232.9	4.0	278	0.3	2.4	6.6	609	6.04	0.8	0.2	1.7	2.6	7	0.2	0.4	0.3
23637	BX02-9	6.2	7.2	1.0	13.2	315.5	5.9	363	0.5	2.5	6.6	1124	7.18	1.7	0.3	2.5	2.2	50	0.4	0.5	0.9
23638	BX02-9	7.2	8.1	0.9	11.7	280.1	3.7	358	0.4	2.5	8.4	925	4.96	1.9	0.2	1.8	2.9	29	0.2	0.5	0.6
23639	BX02-9	8.1	9.1	1.0	23.1	356.2	5.2	221	0.7	2.7	11.7	1115	6.51	3.4	0.2	19.3	2.3	19	0.2	0.5	1.9
23640	BX02-9	9.1	10.1	1.0	35.8	466.2	6.3	284	0.6	2.8	7.9	694	6.74	3.5	0.3	5.1	2.0	27	0.3	0.5	1.6
23641	BX02-9	10.1	11.0	0.9	4.5	300.4	3.6	116	0.2	3.0	8.9	767	7.18	1.6	0.1	1.0	2.9	39	1.4	0.6	0.7
23642	BX02-9	11.0	12.0	1.0	3.4	649.0	1.9	271	0.2	1.8	13.2	1425	6.41	0.7	0.2	1.5	3.1	40	1.6	0.3	0.3
23643	BX02-9	12.0	13.0	1.0	3.9	404.0	3.9	195	0.2	2.1	14.7	1426	4.98	1.6	0.2	0.9	2.1	132	1.6	0.6	0.6
2364X	BX02-9	13.0	14.0	1.0	1.9	604.7	2.6	171	0.1	2.4	9.3	1084	6.3	0.8	0.2	0.8	2.7	75	1.7	0.5	0.2
23646	BX02-9	14.0	14.9	0.9	5.1	384.4	3.0	286	0.1	2.1	19.1	1528	4.14	< .5	0.3	0.6	2.4	85	0.6	0.4	0.2
23647	BX02-9	14.9	15.8	0.9	4.1	260.0	3.6	337	0.1	2.8	18.8	2088	6.45	1.1	0.3	< .5	2.6	99	0.5	0.4	0.4
23648	BX02-9	15.8	16.7	0.9	4.1	736.5	2.4	305	0.3	2.1	13.4	1754	7.27	1.1	0.2	< .5	2.9	49	2.6	0.4	0.7
23649	BX02-9	16.7	17.7	1.0	3.9	605.1	3.8	243	0.4	2.6	12.4	2114	5.80	1.9	0.2	< .5	2.6	70	1.4	0.5	1.0
23651	BX02-8	0.0	3.4	3.4	6.5	134.4	145.5	227	1.0	1.2	2.7	2761	5.31	3.3	2.2	2.4	2.3	85	1.0	0.6	1.9
23652	BX02-8	3.4	7.0	3.6	3.6	212.5	6.1	228	0.3	1.0	4.0	1524	3.28	2.0	2.5	2.7	4.6	100	1.3	0.5	0.1
23653	BX02-8	7.0	13.7	6.7	2.2	794.1	7.5	689	0.2	1.8	9.4	1003	1.07	1.2	1.1	1.8	3.4	77	3.5	0.5	0.1
23654	BX02-7	1.5	6.1	4.6	12.8	203.7	935.9	285	1.3	1.3	2.2	844	4.68	3.7	1.1	9.4	2.4	175	0.5	0.8	1.9
23655	BX02-7	6.1	7.4	1.3	6.8	272.0	602.8	247	1.7	1.3	5.3	1350	6.43	4.8	1.0	68.2	2.9	179	0.4	0.9	1.3
23656	BX02-7	7.4	8.7	1.3	109.0	338.2	334.2	424	1.4	2.0	6.2	1341	5.01	2.2	1.3	4.5	2.3	162	3.3	0.8	1.5
23657	BX02-7	8.7	12.8	4.1	10.3	428.2	118.5	1231	2.1	1.5	7.1	1997	1.20	0.8	1.0	3.1	3.2	53	17.2	0.3	4.1
23659	BX02-7	12.8	16.2	3.4	19.8	469.0	20.2	1201	0.5	2.4	4.9	1822	1.07	1.1	0.8	1.4	3.2	51	15.2	0.4	0.4
23660	BX02-7	16.2	21.3	5.1	13.1	458.1	81.7	681	0.5	2.2	4.9	1248	1.87	1.0	0.9	1.8	3.3	24	7.8	0.3	0.4
23661	BX02-6	0.9	4.1	3.2	20.4	515.8	28.9	54	2.9	1.0	2.8	224	10.71	5.9	0.3	35.9	0.9	52	0.2	0.7	0.2
23662	BX02-6	4.1	5.6	1.5	52.4	758.5	9.9	107	3.4	< .1	3.5	626	17.36	10.2	0.9	54.7	0.9	30	0.6	0.8	0.3

APPENDIX C: ANALYTICAL DATA FOR DIAMOND DRILL CORE

SAMPLE	Hole	m From	m To	m Interval	ppm V	% Ca	% P	ppm La	ppm Cr	% Mg	ppm Ba	% Ti	ppm B	% Al	% Na	% K	ppm W	ppm Hg	ppm Sc	ppm Tl	% S	ppm Ga
599449	BX02-5	18.6	19.9	1.3	53	0.77	0.117	8	8.5	0.57	98	0.074	3	1.26	0.056	0.13	3.3	< .01	3.2	< .1	0.38	5
599450	BX02-5	19.9	21.0	1.1	51	0.68	0.114	7	7.8	0.57	117	0.079	2	1.18	0.062	0.12	3.5	< .01	3.2	< .1	0.23	5
23614	BX02-5	21.0	22.1	1.1	49	0.80	0.112	8	6.7	0.75	165	0.081	3	1.40	0.051	0.13	4.7	0.01	3.3	< .1	0.27	5
23615	BX02-5	22.1	23.6	1.5	54	0.85	0.112	8	6.5	0.74	106	0.090	3	1.44	0.058	0.15	2.8	< .01	3.6	< .1	0.32	5
23616	BX02-5	23.6	25.1	1.5	53	0.72	0.095	6	5.6	0.81	38	0.104	3	1.44	0.051	0.10	3.1	0.01	3.2	< .1	0.23	6
23617	BX02-5	25.1	26.6	1.5	52	0.79	0.099	6	5.1	0.72	60	0.095	2	1.38	0.047	0.11	2.9	< .01	3.2	< .1	< .05	5
23619	BX02-5	26.6	28.1	1.5	55	1.16	0.118	8	6.0	0.59	157	0.087	3	1.44	0.063	0.13	2.6	0.01	3.1	< .1	0.30	5
23620	BX02-5	28.1	29.6	1.5	57	0.77	0.109	8	6.0	0.84	120	0.099	2	1.44	0.061	0.13	2.7	0.01	3.9	< .1	0.14	5
23621	BX02-5	29.6	31.1	1.5	64	0.94	0.083	7	6.3	1.04	38	0.164	2	1.63	0.052	0.07	3.8	< .01	3.3	< .1	0.07	6
23622	BX02-5	31.1	32.6	1.5	58	0.88	0.095	8	4.8	1.03	65	0.147	3	1.54	0.056	0.11	2.5	< .01	3.7	< .1	0.38	6
23623	BX02-5	32.6	34.1	1.5	51	1.04	0.104	9	6.0	0.85	106	0.153	2	1.44	0.067	0.09	3.0	0.01	2.8	< .1	0.42	5
23624	BX02-5	34.1	35.6	1.5	68	0.90	0.102	8	6.4	0.81	58	0.145	2	1.51	0.070	0.13	2.9	< .01	3.9	< .1	0.94	5
23625	BX02-5	35.6	37.1	1.5	82	0.72	0.111	8	6.6	0.83	57	0.144	3	1.47	0.052	0.17	3.7	< .01	5.5	< .1	0.29	4
23626	BX02-5	37.1	38.6	1.5	68	0.63	0.106	9	7.7	0.94	56	0.128	2	1.35	0.060	0.18	4.5	< .01	4.5	< .1	0.22	4
23627	BX02-5	38.6	40.1	1.5	48	0.72	0.114	8	7.9	1.09	40	0.110	3	1.47	0.071	0.13	3.7	0.01	2.9	< .1	1.91	5
23628	BX02-5	40.1	41.6	1.5	54	0.98	0.109	8	7.1	1.00	17	0.128	2	1.43	0.055	0.07	3.7	< .01	3.3	< .1	1.01	5
23629	BX02-5	41.6	43.1	1.5	53	1.36	0.104	10	8.0	0.92	21	0.128	2	1.36	0.059	0.08	4.1	< .01	3.2	< .1	1.73	5
23630	BX02-5	43.1	44.6	1.5	68	0.92	0.110	10	7.8	0.78	48	0.131	3	1.34	0.077	0.15	4.7	0.01	4.0	< .1	1.00	4
23631	BX02-5	44.6	46.1	1.5	67	0.94	0.107	8	6.6	0.99	28	0.122	3	1.49	0.057	0.13	3.9	0.01	4.1	< .1	1.13	5
23632	BX02-5	46.1	47.6	1.5	54	1.03	0.107	8	8.0	0.75	21	0.139	3	1.30	0.076	0.09	4.4	0.01	3.3	< .1	2.06	4
23633	BX02-5	47.6	48.2	0.6	60	1.30	0.154	9	7.1	0.88	94	0.091	4	1.74	0.062	0.12	3.6	< .01	4.1	< .1	0.29	6
23634	BX02-9	3.4	4.2	0.8	55	0.06	0.044	4	7.2	0.58	87	0.038	1	1.51	0.016	0.34	3.1	< .01	1.7	0.1	< .05	8
23635	BX02-9	4.2	5.2	1.0	59	0.05	0.022	2	8.0	0.29	75	0.014	1	0.84	0.008	0.26	3.8	0.01	1.2	0.1	< .05	5
23636	BX02-9	5.2	6.2	1.0	44	0.07	0.045	2	12.6	0.37	82	0.008	1	0.99	0.008	0.30	6.0	0.01	1.5	0.1	< .05	6
23637	BX02-9	6.2	7.2	1.0	51	0.16	0.037	2	8.7	0.75	69	0.020	1	1.61	0.003	0.25	4.2	0.01	2.0	0.1	0.21	8
23638	BX02-9	7.2	8.1	0.9	33	0.20	0.065	2	12.6	0.60	90	0.030	< 1	1.38	0.005	0.29	6.5	0.01	2.4	0.1	0.11	5
23639	BX02-9	8.1	9.1	1.0	36	0.12	0.043	2	9.7	0.62	70	0.020	1	1.33	0.004	0.24	4.8	0.01	2.0	0.1	1.15	6
23640	BX02-9	9.1	10.1	1.0	45	0.11	0.027	1	15.6	0.32	64	0.020	1	0.97	0.008	0.22	7.6	0.01	1.7	0.1	0.15	6
23641	BX02-9	10.1	11.0	0.9	55	0.34	0.051	2	13.6	0.36	52	0.025	< 1	0.96	0.008	0.18	6.5	0.01	3.0	0.1	0.53	6
23642	BX02-9	11.0	12.0	1.0	49	0.47	0.053	4	10.2	0.84	94	0.024	< 1	1.64	0.028	0.29	3.6	0.01	3.2	0.1	0.06	8
23643	BX02-9	12.0	13.0	1.0	37	0.76	0.054	3	8.0	0.68	89	0.041	2	1.75	0.014	0.32	3.9	0.01	2.9	0.1	0.16	7
2364X	BX02-9	13.0	14.0	1.0	48	0.73	0.047	4	10.2	0.6	104	0.0	1	1.3	0.0	0.3	4.9	< .01	3.1	0.1	< .05	7
23646	BX02-9	14.0	14.9	0.9	32	0.38	0.057	3	8.2	1.19	87	0.045	1	1.90	0.019	0.25	3.4	0.01	2.6	0.1	< .05	7
23647	BX02-9	14.9	15.8	0.9	42	0.39	0.058	3	7.3	1.61	79	0.043	1	2.70	0.006	0.32	3.3	< .01	3.6	0.1	< .05	12
23648	BX02-9	15.8	16.7	0.9	52	0.70	0.040	3	11.4	0.64	94	0.029	1	1.49	0.006	0.33	4.7	0.01	2.7	0.1	0.19	7
23649	BX02-9	16.7	17.7	1.0	39	0.51	0.063	3	9.5	0.91	96	0.036	< 1	2.01	0.004	0.33	4.5	< .01	3.6	0.1	0.70	7
23651	BX02-8	0.0	3.4	3.4	44	5.76	0.072	6	9.6	1.45	34	0.085	2	2.37	0.014	0.08	17.2	0.01	3.2	< .1	0.21	7
23652	BX02-8	3.4	7.0	3.6	45	3.87	0.072	8	6.5	0.71	107	0.077	3	2.04	0.029	0.13	7.1	0.02	2.7	< .1	< .05	6
23653	BX02-8	7.0	13.7	6.7	27	0.98	0.083	11	10.1	0.58	69	0.071	2	1.17	0.069	0.17	6.4	< .01	2.6	< .1	0.13	4
23654	BX02-7	1.5	6.1	4.6	25	0.92	0.077	8	6.5	0.40	137	0.089	1	1.45	0.005	0.37	27.1	0.03	2.2	0.1	0.66	5
23655	BX02-7	6.1	7.4	1.3	32	1.00	0.094	4	6.3	0.72	112	0.104	1	1.61	0.004	0.24	10.7	0.03	1.6	0.1	0.96	6
23656	BX02-7	7.4	8.7	1.3	25	1.37	0.076	6	6.4	0.56	100	0.061	1	1.59	0.003	0.28	23.0	0.02	2.3	0.1	1.66	5
23657	BX02-7	8.7	12.8	4.1	18	2.07	0.080	11	8.3	0.44	166	0.040	1	1.02	0.030	0.35	5.5	0.01	2.7	0.1	0.27	3
23659	BX02-7	12.8	16.2	3.4	14	1.97	0.079	10	8.4	0.37	122	0.033	1	0.92	0.011	0.40	7.7	0.01	1.8	0.1	0.12	2
23660	BX02-7	16.2	21.3	5.1	17	0.28	0.084	10	9.0	0.36	232	0.042	1	0.85	0.014	0.33	6.2	0.01	1.8	0.1	0.08	2
23661	BX02-6	0.9	4.1	3.2	27	0.75	0.045	1	4.3	0.64	26	0.039	< 1	0.37	0.004	0.01	1.7	< .01	2.1	< .1	0.58	7
23662	BX02-6	4.1	5.6	1.5	149	2.93	0.042	2	7.6	0.07	16	0.027	1	0.52	0.003	0.01	4.5	0.01	1.0	< .1	0.57	16

APPENDIX C: ANALYTICAL DATA FOR DIAMOND DRILL CORE

SAMPLE	Hole	m From	m To	m Interval	ppm Mo	ppm Cu	ppm Pb	ppm Zn	ppm Ag	ppm Ni	ppm Co	ppm Mn	% Fe	ppm As	ppm U	ppb Au	ppm Th	ppm Sr	ppm Cd	ppm Sb	ppm Bi
23663	BX02-6	5.6	7.1	1.5	54.9	560.4	16.5	66	5.0	0.2	2.4	425	17.02	5.5	0.6	17.6	2.1	29	0.2	0.8	0.2
23664	BX02-6	7.1	8.6	1.5	66.2	337.3	187.5	127	4.4	1.2	2.3	847	7.16	3.4	0.7	16.1	2.6	121	0.3	0.8	0.3
23665	BX02-6	8.6	10.1	1.5	170.7	578.2	1005.4	190	2.2	2.2	4.0	1224	8.60	3.5	0.9	8.5	1.6	73	0.4	0.7	0.3
23666	BX02-6	10.1	11.6	1.5	40.6	690.8	194.9	191	2.3	0.2	5.8	1519	11.09	7.8	1.0	12.6	1.9	57	0.3	0.4	0.2
23667	BX02-6	11.6	14.1	2.5	55.1	338.9	70.9	79	2.5	1.8	3.4	526	3.84	1.7	1.1	5.4	3.5	110	0.3	0.5	0.1
23668	BX02-6	14.1	15.6	1.5	57.3	486.5	261.4	116	2.2	1.2	4.3	586	4.22	1.1	0.8	11.0	4.8	117	0.3	0.5	0.2
23669	BX02-6	15.6	17.1	1.5	16.0	296.2	18.7	98	1.0	1.8	3.3	548	3.32	0.8	0.9	12.1	4.4	79	0.1	0.4	0.1
23670	BX02-6	17.1	18.6	1.5	13.6	224.8	36.3	83	0.7	1.5	3.3	469	2.25	0.7	1.0	3.6	3.6	127	0.2	0.4	0.1
23671	BX02-6	18.6	20.1	1.5	10.2	174.7	32.2	78	0.7	1.3	3.1	486	2.03	1.1	1.0	4.0	3.8	93	0.2	0.3	0.1
23672	BX02-6	20.1	21.6	1.5	5.1	175.8	22.2	74	0.9	2.3	3.4	538	2.05	0.6	1.1	4.8	3.6	100	0.2	0.4	0.1
23673	BX02-6	21.6	23.1	1.5	8.6	292.5	23.3	78	0.6	2.0	4.2	487	2.70	1.1	1.0	7.8	3.3	97	0.2	0.3	0.1
23674	BX02-6	23.1	24.6	1.5	18.2	232.0	66.0	69	0.4	1.9	2.8	361	2.27	0.9	0.8	9.0	3.7	63	0.2	0.2	0.1
23675	BX02-6	24.6	26.1	1.5	16.1	233.2	102.6	97	0.4	1.7	3.5	574	2.66	0.9	0.9	4.6	3.5	104	0.3	0.2	0.1
23676	BX02-6	26.1	27.6	1.5	8.2	333.1	10.2	79	0.6	2.2	5.7	521	2.36	1.0	0.8	9.4	4.5	77	0.2	0.3	0.1
23679	BX02-6	30.6	32.1	1.5	12.9	256.3	25.9	93	0.5	1.9	4.2	499	2.40	1.0	0.5	4.2	1.6	99	0.2	0.3	0.1
23680	BX02-6	32.1	33.2	1.1	6.8	275.8	14.3	96	0.5	2.0	4.3	513	2.40	1.5	0.9	4.2	2.9	103	0.2	0.4	0.1
98th %	percentile				279.4	4257.6	992.9	16558	4.4	7.9	36.8	2749	23.15	43.9	2.1	462.4	8.9	286	102.7	2.5	2.0
95th %	percentile				111.5	1427.1	398.3	6315	3.5	5.3	26.0	2640	17.60	38.9	1.7	233.3	7.5	203	33.7	2.1	1.8
90th %	percentile				54.9	762.1	201.6	3434	2.6	3.2	16.5	2127	15.38	20.9	1.2	84.2	4.7	147	19.4	1.4	1.2
Suggested threshold values					100	1100	400	7000	1.2					15		200					

APPENDIX C: ANALYTICAL DATA FOR DIAMOND DRILL CORE

		m	m	m	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
SAMPLE	**Hole**	**From**	**To**	**Interval**	**V**	**Ca**	**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**B**	**Al**	**Na**	**K**	**W**	**Hg**	**Sc**	**Tl**	**S**	**Ga**
23663	BX02-6	5.6	7.1	1.5	165	2.29	0.033	2	6.4	0.09	6	0.015	< 1	0.37	0.005	0.01	6.1	0.01	1.3	< .1	0.55	26
23664	BX02-6	7.1	8.6	1.5	73	0.99	0.090	14	7.5	0.67	96	0.066	1	1.25	0.040	0.23	7.2	0.01	2.5	0.1	0.41	13
23665	BX02-6	8.6	10.1	1.5	93	2.19	0.077	8	11.0	0.70	78	0.068	1	1.29	0.017	0.15	21.6	0.03	3.6	0.1	0.96	9
23666	BX02-6	10.1	11.6	1.5	122	2.01	0.061	5	5.1	1.26	28	0.074	< 1	1.66	0.006	0.03	6.5	0.01	2.8	< .1	0.59	12
23667	BX02-6	11.6	14.1	2.5	42	0.56	0.102	8	7.7	0.67	117	0.088	2	1.37	0.053	0.21	3.6	0.01	3.8	0.1	0.22	5
23668	BX02-6	14.1	15.6	1.5	50	0.68	0.124	7	6.7	0.62	86	0.090	2	1.29	0.047	0.19	4.9	0.02	3.1	0.1	< .05	5
23669	BX02-6	15.6	17.1	1.5	57	0.50	0.116	7	6.7	0.75	73	0.088	3	1.21	0.054	0.19	3.4	< .01	3.5	0.1	0.08	5
23670	BX02-6	17.1	18.6	1.5	44	0.59	0.112	9	8.6	0.66	97	0.079	2	1.29	0.050	0.23	4.3	0.01	3.4	0.1	< .05	4
23671	BX02-6	18.6	20.1	1.5	51	0.50	0.103	9	9.2	0.69	97	0.081	3	1.16	0.057	0.20	4.5	< .01	3.6	0.1	< .05	5
23672	BX02-6	20.1	21.6	1.5	45	0.63	0.113	10	8.4	0.65	141	0.099	3	1.26	0.068	0.21	4.0	< .01	3.6	0.1	0.30	5
23673	BX02-6	21.6	23.1	1.5	53	0.70	0.116	9	9.4	0.68	323	0.087	3	1.39	0.058	0.20	4.3	< .01	3.5	< .1	0.35	5
23674	BX02-6	23.1	24.6	1.5	53	0.56	0.107	9	8.1	0.57	112	0.083	3	1.21	0.056	0.19	4.1	0.01	3.3	< .1	0.09	5
23675	BX02-6	24.6	26.1	1.5	56	0.69	0.119	10	7.7	0.71	599	0.091	2	1.32	0.045	0.17	3.5	< .01	3.5	< .1	0.19	5
23676	BX02-6	26.1	27.6	1.5	59	0.89	0.118	9	7.4	0.75	159	0.091	2	1.52	0.051	0.21	3.3	< .01	4.1	< .1	0.57	5
23679	BX02-6	30.6	32.1	1.5	44	0.75	0.103	8	8.3	0.58	118	0.078	2	1.20	0.053	0.14	5.2	< .01	3.1	< .1	0.39	5
23680	BX02-6	32.1	33.2	1.1	39	0.98	0.109	10	7.4	0.55	265	0.078	2	1.38	0.064	0.13	3.9	0.01	3.1	< .1	0.31	6
98th %	percentile				147	25.00	0.123	14	29.0	10.79	259	0.147	71	2.65	0.095	0.36	25.5	0.12	4.1	0.1	2.50	19
95th %	percentile				119	18.65	0.118	11	15.3	9.14	172	0.136	54	2.03	0.071	0.34	18.2	0.08	4.0	0.1	2.04	15
90th %	percentile				74	10.16	0.114	10	11.2	5.43	143	0.112	35	1.71	0.065	0.32	9.6	0.03	3.6	0.1	1.64	12

Suggested threshold values

APPENDIX D: SOIL SAMPLE LOCATIONS AND ANALYTICAL DATA

APPENDIX D: SOIL SAMPLE LOCATIONS AND ANALYTICAL RESULTS

SAMPLES	UTMZone	m UTME83	m UTMN83	ppm Mo	ppm Cu	ppm Pb	ppm Zn	ppm Ag	ppm Ni	ppm Co	ppm Mn	% Fe	ppm As	ppm U	ppb Au	ppm Th	ppm Sr	ppm Cd	ppm Sb	ppm Bi	ppm V
800S 450E	9	388559	6278090	15.9	248.2	89.5	619	1.3	10.6	20.8	7078	8.08	22.3	1.3	59.6	3.3	37	6.7	0.7	2.6	56
800S 500E	9	388603	6278089	20.6	213.7	123.8	1086	1.2	14	31.9	5760	6.92	25	1.8	83.7	3.7	34	9	0.9	2.3	54
800S 550E	9	388647	6278088	3.3	92.5	36.8	171	0.2	22.4	18.3	2073	4	11.5	1.1	14.9	3.4	35	1.1	0.4	0.9	52
800S 600E	9	388691	6278087	6.5	27.2	39.9	83	0.9	6.2	10.5	1693	3.97	4.9	0.9	69.8	0.5	24	1	0.3	0.9	103
800S 650E	9	388735	6278085	5.9	128.7	90.3	544	1.4	11.5	22.5	2261	5.81	18.6	1.4	15.7	1.7	43	3.5	0.8	1.3	105
800S 700E	9	388779	6278084	5.2	92.5	106.5	690	0.4	12.9	19.9	1702	5.14	21.2	1.6	80.3	3.1	29	4	0.7	1.3	67
800S 750E	9	388824	6278083	9.8	239.5	153.4	625	1.7	5.9	15.1	1669	4.11	16	1	465.2	3.9	51	5.6	0.6	1.7	48
800S 800E	9	388868	6278082	18.3	234.4	525.8	911	2.3	22.6	40	4005	7.07	50.6	2.7	56.3	4.2	33	4.7	1.6	3	93
900S 600E	9	388688	6277986	6.3	36	35.5	98	0.5	7	6.8	499	4.08	9.6	0.7	16.4	0.4	24	0.3	0.4	1	78
900S 650E	9	388733	6277985	6.2	73	98.9	171	1.7	6.8	11.9	1525	4.69	10.1	1.6	23.5	0.9	30	1.8	0.4	1	79
900S 700E	9	388777	6277984	9.3	59.8	39.3	133	0.7	4.7	6.8	986	4.67	6.7	1.2	15.2	0.3	21	0.9	0.4	1.3	71
900S 750E	9	388821	6277983	13.1	64.2	66.7	129	0.7	5.7	12.9	2802	5.25	5.7	0.8	34.7	0.6	32	0.8	0.4	1.6	99
900S 800E	9	388865	6277982	31.4	154.1	357.2	626	2.5	10.7	29.6	1726	8.25	36.6	1.3	85.7	2.6	56	2.7	0.7	9.8	79
900S 850E	9	388909	6277981	10.4	146	59.4	175	0.6	4.5	12.8	1255	4.47	7	0.9	24.9	0.4	43	1.5	0.5	1.4	54
900S 900E	9	388953	6277979	30.2	270.3	105.5	536	0.6	12.9	24.9	2296	5.81	10.2	1.3	38	1.4	51	2.1	0.7	2.3	108
1000S 600E	9	388702	6277886	6	147.4	44.2	154	0.4	8	13.1	1263	3.97	8.2	1.2	39	2.5	34	0.8	0.4	1.1	62
1000S 650E	9	388744	6277885	6	230.2	47	478	0.6	13.2	21.6	3127	5.77	12.1	1	48	2.7	41	3.4	0.5	1.3	66
1000S 700E	9	388786	6277884	10.6	198.7	66	375	0.5	17	16.4	3152	5.67	15.1	1.9	55.2	3.2	28	2.6	0.7	1.8	65
1000S 750E	9	388828	6277883	8.7	258.3	63.2	648	0.7	5.3	15.9	1529	4.8	9.8	0.8	219.8	2.5	37	5	0.7	2.3	46
1000S 800E	9	388870	6277881	23.8	1372.5	155.3	5853	1.1	7.2	22.9	3196	18.25	19.3	2	466.6	2.9	23	40.7	1.2	1.3	42
1000S 850E	9	388912	6277880	23.2	1233.8	139.3	4364	1	7.3	22.6	2784	17.87	17.1	1.8	294.6	2.6	31	27.4	1	1.1	44
1000S 900E	9	388955	6277879	34.9	649.9	134.9	664	1.4	4.9	19.7	1646	10.43	11.3	1.3	79.9	3.5	45	2.1	0.8	1.8	46
1100S 1075E	9	389106	6277777	43.8	301.7	57.9	211	0.5	3.7	8.9	833	4.72	6.3	2	21.6	1.6	51	0.5	0.4	1.5	43
1100S 1100E	9	389129	6277777	54	435.5	101.6	262	1	3.3	12.5	1175	6.05	7.9	2	28.8	1.4	60	0.8	0.4	1.8	50
1100S 1125E	9	389152	6277777	66.7	479.1	170.4	256	1.4	1.4	6.4	562	6.76	5.6	1.7	22.3	3.6	87	0.6	0.3	3.3	40
1100S 1150E	9	389175	6277777	25.7	227.9	185.0	96.0	1.1	0.5	1.6	257.0	4.5	6.0	1.6	23.2	3.7	46.5	0.4	0.3	5.0	14.0
1100S 1200E	9	389221	6277777	6.9	281	86.9	671	1.4	16.6	35.2	3325	6.8	21.7	1	40.9	1.8	33	5.6	2.1	2.8	93
1100S 1225E	9	389249	6277784	9.2	1497.1	95.3	4947	1.2	9.6	37.9	2717	13.62	23.9	1.4	293.7	1.4	27	25.9	1.1	2	43
1100S 1275E	9	389306	6277798	11	3554.7	516	34640	3.4	12.2	60.1	5088	15.77	30.5	3.3	231.1	0.5	26	117.8	1.9	1.2	28
1100S 1362E	9	389405	6277823	31.4	355.3	942.2	602	2.7	10	12.5	1540	4.98	10.1	0.6	7.6	1	37	3.2	0.8	4.4	81
1100S 1400E	9	389447	6277834	30.6	188.5	125	328	2.9	8.5	13.4	1648	5.96	20.3	0.4	4.3	1.3	72	1.3	0.5	4.9	99
1100S 1450E	9	389475	6277841	8.9	189.2	101.9	787	1.6	17.8	60.3	2658	11.36	34.2	1.4	33.7	1.5	79	6.8	1	12.5	89
1200S 1075E	9	389104.8	6277678	7	141.7	25.7	242	0.4	1.4	11.5	1472	2.74	3.1	1.1	18.2	5.5	77	1.9	0.2	1.1	46
1200S 1100E	9	389129.3	6277679	24.6	526.3	187	234	1.2	2.7	20	1412	4.35	8.1	1.5	35.8	4.8	51	1.3	0.4	3.2	42
1200S 1125E	9	389153.4	6277680	44.6	1119.4	366.6	942	2	5.5	24.7	1770	10.82	12.6	1.6	112.3	5.7	35	6.6	0.7	5.8	41
1200S 1155E	9	389177.5	6277681	85.6	531.8	556.4	188	1.9	1.5	8.3	519	6.2	5.1	1	14.2	6.2	54	0.4	0.4	1.3	30
1200S 1175E	9	389201.6	6277682	21.2	1185.6	184.1	283	0.9	8.4	56.2	2507	6.63	9.9	1.4	50.8	4.1	37	1.7	0.5	2.5	68
1200S 1200E	9	389225.8	6277683	25.8	2381.5	110.3	243	2.1	3.6	72	2579	8.23	9.3	1.5	41.9	6.2	20	1.1	0.5	6	39
1200S 1225E	9	389243.7	6277684	10.6	123.6	55.5	428	1.1	9.9	29.9	3125	5.6	21.8	1.4	28.1	3.2	50	2.6	0.9	7.4	68
1200S 1250E	9	389261.6	6277685	10	163.5	68.7	198	1.5	12	25.5	1925	5.95	12.3	2	41.2	2.8	51	0.9	0.4	2.4	104
1200S 1275E	9	389279.5	6277686	11.1	195.1	82	258	1.3	10	29.3	3089	6.46	18.1	2	41.7	4.7	63	1.5	0.6	3.5	81
1200S 1300E	9	389297.4	6277687	10	170.4	54.1	232	0.7	8.4	26.1	2405	4.65	14.2	1.4	42.6	3.5	49	1.4	0.6	2.6	62
1200S 1325E	9	389327	6277688	16.4	161.8	71.9	277	1.5	14.5	45	4863	6.77	17.9	1	54.8	2	74	2.6	0.5	7.5	80
1200S 1350E	9	389342.7	6277688	17.5	151	59.7	257	1.4	14.8	46.3	4443	7.24	18.5	1.2	68.1	2	73	2.2	0.6	7.6	84
1300S 1000E	9	389032	6277580	25.1	1311.8	248	1172	1.4	7.7	33.8	2396	13.87	16.4	1.5	132.5	3.2	30	8	0.9	3.6	59
1300S 1025E	9	389054	6277580	11.4	424.8	52.1	189	0.6	8.5	20.3	1610	5.1	10.3	1.7	23.6	3.7	30	1	0.5	1.8	61
1300S 1100E	9	389119	6277579	13.5	94.3	9.7	77	0.1	3.2	6.4	577	3.13	2.2	0.7	8.4	2.1	43	0.1	0.2	0.6	45
1300S 1125E	9	389141	6277578	20.4	257.5	63.3	401	1.1	14.2	46.5	4146	7.51	19.4	2	33	3.2	68	2.6	0.7	11.3	92
1300S 1150E	9	389163	6277578	9.5	116.2	26.2	211	0.4	10.1	23.9	2110	5.46	10.7	1.1	14.3	1.1	61	1.1	0.4	6.8	92
1300S 1175E	9	389184	6277578	5.4	166.7	20.3	174	0.9	20.5	36.1	2392	5.57	10.3	0.7	22.3	1.5	76	1.3	0.3	2.1	99
1300S 1200E	9	389206	6277578	14.6	316.3	45.1	359	2.8	15.2	50.6	5031	7.97	25.5	1.3	51.6	2.4	61	2.9	0.5	7.7	101
1300S 1225E	9	389229	6277577	7.5	249	34.2	193	0.8	8.8	38.4	4367	4.6	10.5	1	19.2	0.6	65	2.1	0.4	3.8	71
1300S 1250E	9	389252	6277577	15.3	288.1	60.6	304	2.4	10.9	37	3437	7.85	19	1.7	63.5	2	65	1.5	0.6	14.8	103
1300S 1275E	9	389274	6277577	13.4	296.8	46.2	357	1.9	14.6	46.8	5015	6.7	17.1	1.3	52.7	2.4	62	2.5	0.6	6.9	96
1300S 1300E	9	389297	6277576	9.8	112.1	24.7	250	0.7	9.5	17.8	1967	4.81	5.8	0.7	8	2.2	76	1.5	0.3	2.8	77
1300S 1325E	9	389317	6277576	12.5	231.7	31.6	357	0.6	13.7	25.2	3677	5.37	7.8	1.1	27.4	3	71	3	0.3	2.2	68
1300S 1350E	9	389338	6277576	27	670.9	77.4	843	1.1	11.9	37.9	6119	7.76	8.1	1.8	37.4	5.3	41	6.7	0.4	3.7	55
1400S 1000E	9	389033	6277484	117.6	381.6	70.9	176	0.5	4.5	14.7	936	6.78	5.9	1.2	26.7	1.6	33	0.3	0.3	1.4	70
1400S 1050E	9	389074	6277482	43.3	284.6	56.1	257	1.7	5.7	11.8	1515	6.83	5.6	1.2	13.3	0.5	28	0.8	0.4	2	82

APPENDIX D: SOIL SAMPLE LOCATIONS AND ANALYTICAL RESULTS

		m	m	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
SAMPLES	**UTMZone**	**UTME83**	**UTMN83**	**Ca**	**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**B**	**Al**	**Na**	**K**	**W**	**Hg**	**Sc**	**Tl**	**S**	**Ga**
800S 450E	9	388559	6278090	0.95	0.109	19	11	0.69	240	0.076	3	1.56	0.019	0.08	5.5	0.03	4.1	0.2	< .05	6
800S 500E	9	388603	6278089	1.16	0.116	19	14	0.73	216	0.094	2	1.96	0.033	0.08	6.5	0.03	4.7	0.1	< .05	7
800S 550E	9	388647	6278088	0.38	0.125	14	19.2	0.77	241	0.047	2	1.65	0.019	0.11	3.3	0.04	5.5	< .1	< .05	6
800S 600E	9	388691	6278087	0.31	0.07	8	13.1	0.2	88	0.288	2	1.33	0.018	0.04	0.7	0.09	1.9	0.1	< .05	15
800S 650E	9	388735	6278085	0.64	0.115	17	20.3	0.62	443	0.242	4	2.63	0.025	0.06	1	0.07	4.6	0.1	0.07	17
800S 700E	9	388779	6278084	0.59	0.132	15	15.7	0.67	156	0.228	2	2.25	0.029	0.05	1.4	0.06	3	0.1	0.06	13
800S 750E	9	388824	6278083	0.76	0.127	13	4.9	0.58	174	0.058	2	1.08	0.013	0.06	2.6	0.03	3.1	< .1	< .05	4
800S 800E	9	388868	6278082	0.38	0.141	18	18.2	1.01	352	0.094	3	2.58	0.016	0.07	1.7	0.07	7.8	0.1	< .05	11
900S 600E	9	388688	6277986	0.18	0.059	7	12	0.39	88	0.045	1	2	0.006	0.03	1.8	0.06	1.2	0.1	< .05	12
900S 650E	9	388733	6277985	0.45	0.104	17	14.3	0.28	197	0.183	1	2.17	0.022	0.05	0.7	0.12	2.4	0.1	0.08	20
900S 700E	9	388777	6277984	0.17	0.219	7	11.9	0.33	57	0.064	1	2.16	0.011	0.05	1.5	0.07	1.4	0.1	< .05	12
900S 750E	9	388821	6277983	0.3	0.118	6	11.9	0.33	101	0.174	2	1.54	0.018	0.05	1.1	0.08	2.3	0.1	< .05	11
900S 800E	9	388865	6277982	0.37	0.198	10	13	0.84	152	0.16	3	2.59	0.026	0.08	2.4	0.06	7.3	0.1	0.18	7
900S 850E	9	388909	6277981	0.41	0.097	8	6.4	0.46	136	0.03	2	1.54	0.008	0.06	3.8	0.05	1.7	< .1	0.06	6
900S 900E	9	388953	6277979	0.52	0.125	10	19	1.08	172	0.16	3	2.64	0.02	0.06	2.8	0.07	7.1	0.1	< .05	10
1000S 600E	9	388702	6277886	0.33	0.116	12	9	0.57	73	0.097	2	1.42	0.012	0.05	2.7	0.02	3.3	< .1	< .05	5
1000S 650E	9	388744	6277885	2.44	0.117	20	11.2	3.57	321	0.186	13	1.71	0.025	0.05	2.5	0.01	3.8	< .1	0.06	6
1000S 700E	9	388786	6277884	0.4	0.115	35	13.9	0.8	185	0.14	2	1.9	0.016	0.06	6.6	0.03	4.4	0.1	< .05	8
1000S 750E	9	388828	6277883	0.65	0.097	10	5.4	0.65	186	0.056	1	1.09	0.011	0.06	4.7	0.02	2.4	< .1	< .05	4
1000S 800E	9	388870	6277881	0.55	0.09	9	5.6	3.49	611	0.079	18	1.57	0.022	0.04	6.5	0.03	2.8	0.1	0.06	11
1000S 850E	9	388912	6277880	0.52	0.091	8	5.4	2.95	481	0.103	16	1.41	0.055	0.06	5.5	0.04	2.6	< .1	< .05	10
1000S 900E	9	388955	6277879	0.31	0.151	11	4.1	0.91	278	0.085	3	1.61	0.015	0.08	5.2	0.01	2.3	0.1	0.11	6
1100S 1075E	9	389106	6277777	0.16	0.154	14	4.8	0.43	385	0.037	1	1.53	0.03	0.14	3.1	0.02	2.6	0.1	0.27	5
1100S 1100E	9	389129	6277777	0.22	0.161	16	5.6	0.53	572	0.028	1	1.87	0.024	0.16	3.9	0.04	2.7	0.1	0.25	6
1100S 1125E	9	389152	6277777	0.13	0.189	20	3	0.33	407	0.041	1	1.23	0.058	0.31	3.8	0.03	2.5	0.1	0.68	4
1100S 1150E	9	389175	6277777	0.2	0.1	28.5	1.0	0.1	174.5	0.0	1.0	0.6	0.0	0.5	4.0	0.0	2.2	0.2	0.9	2.0
1100S 1200E	9	389221	6277777	0.55	0.083	18	20.5	1.75	408	0.108	2	2.63	0.013	0.09	1.7	0.04	9.3	0.1	0.09	10
1100S 1225E	9	389249	6277784	1.34	0.059	7	9.4	5.35	164	0.065	40	1.15	0.012	0.04	10.1	0.02	3.6	< .1	0.09	8
1100S 1275E	9	389306	6277798	3.96	0.028	3	9.2	7.74	181	0.026	45	0.64	0.002	0.01	4.9	0.09	1.9	< .1	0.09	10
1100S 1362E	9	389405	6277823	0.51	0.06	5	20.1	1.25	151	0.113	1	1.92	0.022	0.15	4.1	0.04	5.6	0.1	0.1	6
1100S 1400E	9	389447	6277834	0.62	0.107	5	9.4	1.6	85	0.149	1	2	0.024	0.11	1	0.02	5.7	0.1	0.08	6
1100S 1450E	9	389475	6277841	0.8	0.146	13	11.3	0.73	89	0.125	2	3.32	0.018	0.05	4.5	0.07	8.7	0.1	0.09	7
1200S 1075E	9	389104.8	6277678	1.39	0.121	12	2.4	0.76	658	0.043	< 1	1.58	0.015	0.2	1.4	0.01	3.5	0.1	< .05	5
1200S 1100E	9	389129.3	6277679	0.45	0.148	20	3.1	0.56	523	0.04	1	1.42	0.012	0.15	9	0.03	3.2	0.1	0.17	5
1200S 1125E	9	389153.4	6277680	0.28	0.167	19	5.6	1.09	446	0.059	3	1.22	0.016	0.18	15.4	0.04	3.6	0.1	0.25	7
1200S 1155E	9	389177.5	6277681	0.19	0.161	27	1.8	0.16	293	0.017	1	0.56	0.016	0.42	2.3	0.06	1.8	0.2	0.91	5
1200S 1175E	9	389201.6	6277682	0.33	0.187	13	8	0.86	188	0.131	1	2.11	0.022	0.09	3.2	0.02	5.2	0.1	0.06	8
1200S 1200E	9	389225.8	6277683	0.18	0.215	11	3.7	0.52	243	0.044	1	1.56	0.003	0.12	4.1	0.03	3.8	0.2	< .05	6
1200S 1225E	9	389243.7	6277684	0.75	0.112	17	10.3	0.92	389	0.1	3	2.01	0.016	0.07	2.7	0.02	5.2	0.1	< .05	7
1200S 1250E	9	389261.6	6277685	0.55	0.117	20	16	1.02	278	0.399	< 1	3.03	0.051	0.09	2	0.03	7.3	0.1	0.07	10
1200S 1275E	9	389279.5	6277686	0.5	0.117	30	9.5	1.01	591	0.118	1	2.35	0.028	0.1	2.1	0.03	6.2	0.1	0.1	10
1200S 1300E	9	389297.4	6277687	0.56	0.101	17	7.6	0.8	348	0.085	1	1.75	0.021	0.11	6.6	0.02	5.3	0.1	< .05	8
1200S 1325E	9	389327	6277688	0.74	0.134	12	11.1	1.18	429	0.128	1	2.03	0.013	0.09	1.7	0.03	6.5	0.1	< .05	7
1200S 1350E	9	389342.7	6277688	0.8	0.122	10	13.7	1.26	323	0.133	1	2.1	0.013	0.08	2.6	0.05	6.5	0.1	< .05	7
1300S 1000E	9	389032	6277580	0.32	0.104	15	9.2	1.6	268	0.061	5	1.57	0.011	0.07	10.1	0.03	4.5	0.1	0.08	9
1300S 1025E	9	389054	6277580	0.32	0.113	19	11.4	0.65	159	0.11	1	2.1	0.044	0.07	2.3	0.05	3.6	0.1	< .05	10
1300S 1100E	9	389119	6277579	0.53	0.11	6	3.8	0.69	93	0.064	1	1.35	0.071	0.17	1.6	0.01	3.1	< .1	< .05	4
1300S 1125E	9	389141	6277578	0.6	0.183	15	13.4	1.21	398	0.108	< 1	2.25	0.021	0.08	14	0.03	6.8	0.1	< .05	9
1300S 1150E	9	389163	6277578	0.76	0.144	10	14.7	1.16	203	0.103	1	2.35	0.041	0.14	4.9	0.02	5.3	0.1	< .05	8
1300S 1175E	9	389184	6277578	1.09	0.114	11	50	1.74	205	0.278	1	1.78	0.248	0.14	2.2	0.06	6	0.1	< .05	7
1300S 1200E	9	389206	6277578	0.83	0.191	18	12	1.19	637	0.086	1	2.08	0.01	0.1	5.9	0.02	7	0.1	< .05	8
1300S 1225E	9	389229	6277577	1.48	0.213	14	17.7	0.79	465	0.029	1	1.73	0.007	0.07	5.3	0.04	3.6	0.1	0.13	7
1300S 1250E	9	389252	6277577	0.68	0.169	16	13.3	1.3	460	0.059	< 1	2.48	0.009	0.08	12.9	0.03	7.7	0.1	< .05	8
1300S 1275E	9	389274	6277577	0.83	0.162	15	14.1	1.3	542	0.089	< 1	2.2	0.008	0.09	7.8	0.03	7.5	0.1	< .05	8
1300S 1300E	9	389297	6277576	3.86	0.124	8	10.9	2.99	181	0.158	1	1.84	0.097	0.14	5.6	0.04	5.4	< .1	0.09	7
1300S 1325E	9	389317	6277576	4.75	0.112	15	16.9	3.46	158	0.193	1	1.56	0.144	0.1	34	0.05	5.2	0.1	0.06	5
1300S 1350E	9	389338	6277576	1.29	0.164	20	7.8	1.39	331	0.06	1	1.61	0.012	0.08	54.5	0.01	5.4	0.1	< .05	5
1400S 1000E	9	389033	6277484	0.3	0.114	11	8.9	0.54	126	0.084	< 1	2.01	0.01	0.05	2.7	0.02	2.5	0.1	< .05	8
1400S 1050E	9	389074	6277482	0.65	0.113	12	14.6	0.55	116	0.083	1	2.38	0.013	0.06	2.5	0.06	2.2	0.1	0.07	12

APPENDIX D: SOIL SAMPLE LOCATIONS AND ANALYTICAL RESULTS

SAMPLES	UTMZone	m UTME83	m UTMN83	ppm Mo	ppm Cu	ppm Pb	ppm Zn	ppm Ag	ppm Ni	ppm Co	ppm Mn	% Fe	ppm As	ppm U	ppb Au	ppm Th	ppm Sr	ppm Cd	ppm Sb	ppm Bi	ppm V
1400S 1100E	9	389114	6277480	17.4	684.8	18.6	232	1.1	10.2	25.6	1726	6.11	5.3	1.5	17.1	2.1	31	1	0.2	1.1	109
1400S 1150E	9	389155	6277478	77.7	3573.5	43.4	597	1.2	7.6	49.9	2510	14.32	113.4	1.4	711.2	3.4	20	1.9	1.4	4.9	77
1400S 1225E	9	389225	6277474	23.5	340.4	34.6	220	1	11.9	30.4	2432	6.48	6.8	1.9	26.7	3.9	36	1.2	0.4	3.8	70
1400S 1250E	9	389248	6277473	4.8	87.4	12.1	147	0.5	11.9	17.2	1305	4.39	4.9	0.6	10.5	1.8	64	0.5	0.2	1.4	81
1400S 1300E	9	389295	6277471	17.6	189	59.5	188	1.1	8.6	29.4	2070	6.86	12	1.9	41.9	4.2	48	1	0.8	5	48
1400S 1350E	9	389323	6277477	18.8	215.2	75.8	226	1.2	8.9	34.5	2358	7.68	11.1	1.9	46.7	4.2	49	1.1	0.7	5.5	55
1500S 1000E	9	389026	6277386	44.7	930.5	41.6	360	0.4	5.7	26.2	1983	6.45	4.9	1.1	34.8	1.2	35	0.9	0.4	2.5	58
1500S 1050E	9	389072	6277382	18.2	278.7	26.7	104	0.5	5.5	17	1406	5.17	3	1.3	23.9	0.8	32	0.3	0.2	2	79
1500S 1100E	9	389118	6277378	37.3	194	26.6	121	0.6	14.9	22	1018	5.32	5.3	1.2	70.7	4.2	80	0.3	0.3	1	83
1500S 1150E	9	389164	6277375	147.2	303.8	32.2	107.5	1.2	7.4	13.5	855	5.2	5.0	1.7	107.0	6.1	53.5	0.2	0.3	0.9	69.0
1500S 1200E	9	389210	6277371	226.9	358.8	31.6	77	0.9	5.8	10.3	828	5.38	3.8	1.5	145.7	7.1	79	0.3	0.2	1.1	58
1500S 1250E	9	389258	6277367	13.3	152.8	73.2	87	0.3	6.9	12.6	780	5.2	4	1.6	51.1	4.1	68	0.3	0.3	1.1	56
1500S 1300E	9	389307	6277363	4.1	49.4	15.9	96	0.3	6.4	11.3	1232	3.22	4.7	1	8.7	2.4	49	0.7	0.4	0.6	58
1500S 1350E	9	389354	6277359	12.3	104.2	41.7	181	0.4	6.2	27.3	2471	5.41	8.8	1.7	20.1	4.1	35	1.6	0.4	1.3	54
1500S 1400E	9	389401	6277355	27.7	76.2	31.8	183	0.4	4.9	25.3	2471	4.28	5.4	1.9	14	5.8	111	1.7	0.4	2.2	36
1500S 1450E	9	389445	6277352	16	120.7	39.2	170	0.3	6.6	29.3	3919	5.27	5.7	1.9	19.2	5.1	37	1.5	0.3	1.5	50
1600S 1000E	9	389023	6277277	81.7	280.2	34.4	103	1	7.7	15	1208	8.08	8	1.9	18.4	3.8	32	0.3	0.5	1.3	81
1600S 1050E	9	389069	6277275	163.6	631.5	356.1	228	1.4	11.9	19.2	1739	9.19	10.3	1.9	74.9	6.3	32	0.2	0.6	2.7	81
1600S 1100E	9	389115	6277274	12.3	255.3	53.1	160	0.5	13.6	16.5	1252	5.81	13.1	2.8	40.9	6.7	26	0.7	0.5	1.3	66
1600S 1150E	9	389162	6277273	2.3	32.5	7.8	92	0.1	12.1	23	977	5.38	5.5	1.6	7	2.3	40	0.4	0.1	0.3	129
1600S 1200E	9	389208	6277272	6.5	112	23.2	118	0.2	8.7	14.3	1283	5.35	5.9	1.4	29.8	1.5	40	0.2	0.4	1	81
1600S 1250E	9	389254	6277271	7	93.9	20.9	154	0.6	4.6	9.5	782	4.65	5	2	12.2	0.8	55	0.5	0.3	1.8	48
1600S 1300E	9	389300	6277269	4	84	24.1	117	0.1	5.2	15.6	1813	3.75	6.2	1.8	15	4	37	0.4	0.2	0.8	62
1600S 1350E	9	389346	6277268	5.3	65	27.1	128	0.3	7.1	10.3	937	4.37	10.4	2.6	94	6.5	26	0.3	0.4	1.8	54
1600S 1400E	9	389392	6277267	5.5	49.5	20.9	110	0.2	7.9	9.7	1374	4.07	9.5	2.7	17.5	5.4	33	0.2	0.3	0.7	53
1600S 1450E	9	389438	6277266	9.9	94.2	41.9	165.0	0.3	7.7	22.0	3096	4.8	11.2	2.8	19.4	6.8	33.5	0.8	0.4	1.3	52.0
1600S 1500E	9	389484	6277265	25	325	46.7	128	0.5	8.4	31.9	1559	5.73	9	2.1	82.7	5.1	39	0.7	0.3	0.9	77
1700S 1200E	9	389205	6277172	3.1	51.3	21.1	91	0.2	5.6	13.1	1299	3.59	5.4	1.4	62	4.2	35	0.4	0.3	0.9	60
1700S 1250E	9	389251	6277171	24.8	95	22.7	96	0.5	8.6	25.3	1383	7.97	8.9	1.5	243	5.2	40	0.4	0.7	4.9	74
1700S 1300E	9	389297	6277169	8	45.9	20.4	62	0.5	6.2	9.4	795	4.58	4.3	1.1	27.8	0.4	40	0.4	0.4	1.8	74
1700S 1350E	9	389343	6277168	8.6	121.4	71.1	142	0.4	10.9	15.4	1390	4.02	10.9	4.5	26.9	6.2	42	0.9	0.4	1.5	63
1700S 1400E	9	389390	6277167	6.2	42.8	28.2	123	0.6	7.5	15.3	3267	3.63	6.7	1.4	15.5	4.9	54	0.6	0.3	2.3	60
1700S 1450E	9	389436	6277166	10.3	127.9	22.9	107	0.4	12.4	18.7	1609	5.27	7.4	1.7	30.5	3.5	39	0.3	0.3	0.9	99
1700S 1500E	9	389482	6277165	14.2	208.3	24.9	107	0.4	27.1	32.8	1343	5.92	7.7	1	49.3	2.6	105	0.4	0.3	0.7	108
2200S 1600E	9	389640	6276655	2.8	64.2	53.5	213	0.4	2.9	11.7	2077	3.07	3.3	1.5	10.8	7	96	2	0.3	1.2	34
2200S 1625E	9	389665	6276654	2.2	59.5	39.8	183	0.4	2.3	12	2040	3.2	3.2	1.5	5.6	7.3	69	1.6	0.3	1.3	34
2200S 1650E	9	389690	6276654	5.4	646	69.1	438	1.1	42.9	124.8	3999	11.9	32.3	1.7	31.3	5.7	59	3.3	2.6	1.7	40
2200S 1675E	9	389715	6276653	2.5	64.4	43.9	180	0.4	3.5	12.2	2180	3.08	4.6	1.6	20.8	8.1	66	1.5	0.5	1.3	41
2200S 1700E	9	389740	6276652	3.9	66	35.4	154	0.5	7.6	14.6	4109	4.93	6.9	1.4	19.5	6.3	73	1.3	0.6	1.2	51
2225S 1700E	9	389739	6276629	7.4	336.4	53.7	395	0.5	30	171.8	4705	8.38	38.2	2.7	23.1	4.8	51	2.7	3.1	1.5	48
2250S 1700E	9	389739	6276606	4.8	111.1	54.4	190	0.4	11.8	29.1	2625	4.9	6.9	2.2	14	6.8	61	1.8	0.4	1.2	58
2250S 1725E	9	389764	6276605	4.3	396.7	70	277	0.9	13.1	84.8	1672	10.66	17.6	1.3	54.9	3.7	40	2.1	0.9	1.2	41
2250S 1750E	9	389789	6276604	3.1	1963.1	38.3	1474	1.6	17.7	556.4	3009	21.68	24	1.3	37.6	4	37	5.9	2.6	1.2	40
2275S 1750E	9	389788	6276581	4.1	434.9	50.2	254	0.7	10.5	57.9	2339	7.17	12.4	2.9	23.9	7	48	2.1	0.8	2.1	53
2300S 1750E	9	389788	6276558	3.2	63.4	39.4	166	0.4	6.1	14.7	1763	2.9	9.3	2.3	7.2	7.9	34	1	0.5	1.4	32
2300S 1775E	9	389813	6276557	52.9	2642.8	31.9	292	0.8	7.7	459.7	2224	21.41	39	11.5	176	0.9	19	2.4	1.9	1.4	17
2300S 1800E	9	389838	6276556	0.5	90.5	3.85	94	< .1	4.55	5.9	1019	3.715	2.65	1.05	1.3	4.75	71	0.1	0.7	0.3	23
1350E 1025S	9	389380	6278044	8.2	179.7	25.8	700	0.5	17.5	93.5	3252	11.52	37.9	0.8	26.4	1.3	45	7.6	1.2	2.1	87
1350E 1050S	9	389379	6278019	8.7	181.1	650	1126	1.7	27.7	67.7	3656	6.42	60.4	0.7	25.7	1.3	34	12.6	2.5	11	100
1350E 1075S	9	389378	6277994	16.9	626.5	99.8	379	1.1	18	38.2	1091	13.39	16.7	1.2	128.5	1.6	63	1.2	1	4.5	102
1400E 1025S	9	389430	6278042	5.1	86.2	97	265	0.8	11.2	42.2	2407	10.94	27.7	1.7	22.8	2	66	1.8	1.6	2.6	94
1400E 1050S	9	389429	6278017	4.4	108.2	715.2	438	3.4	1.6	4.7	493	7.7	20.5	0.3	19.9	1.1	107	2.2	0.6	10.1	26
1400E 1075S	9	389428	6277992	111.4	386.6	455.5	790	8.1	14.4	37.5	2409	10.54	54.6	0.9	69.8	1.8	80	5.4	1.5	37.2	85
1400E 1125S	9	389427	6277943	8.5	181.6	40.6	173	1.1	9.9	28.9	2883	5.57	22.5	1.1	27	2.4	58	1.6	0.5	2	87
1600E 1100S	9	389628	6277962	2.6	221.1	86.1	429	0.6	9.6	23.9	3102	4.84	32.8	1.1	33.1	2.1	69	3.4	0.9	0.8	92
400E 1300S	9	388526	6277690	9.1	89.1	45.1	98	0.5	9.3	8.4	589	4.89	4.5	1.2	14.8	1.5	23	0.5	0.2	0.9	99
400E 1350S	9	388525	6277640	21.3	48.9	22.2	37	1.7	3.5	2.2	183	5.38	6.2	1.2	8.5	1.5	16	0.2	0.3	0.9	67
400E 1400S	9	388523	6277591	7.8	205.2	28.7	87	0.5	7.5	8.9	579	4.93	3.8	1	17.1	1.9	26	0.6	0.3	0.7	65
400E 1450S	9	388522	6277541	39.5	341.5	75.7	151	1	6.8	14.9	1175	4.67	4.8	1.2	53.2	1.8	30	0.6	0.3	1.3	67

APPENDIX D: SOIL SAMPLE LOCATIONS AND ANALYTICAL RESULTS

		m	m	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
SAMPLES	**UTMZone**	**UTME83**	**UTMN83**	**Ca**	**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**B**	**Al**	**Na**	**K**	**W**	**Hg**	**Sc**	**Tl**	**S**	**Ga**
1400S 1100E	9	389114	6277480	1.25	0.094	10	17.8	0.6	194	0.404	1	2.73	0.039	0.05	1.5	0.05	3.3	0.1	0.06	13
1400S 1150E	9	389155	6277478	0.22	0.076	10	5.4	0.41	137	0.07	< 1	1.46	0.033	0.09	7.9	0.02	3.2	0.1	< .05	9
1400S 1225E	9	389225	6277474	0.38	0.167	14	13.7	1.01	225	0.18	< 1	2.12	0.02	0.07	38.9	0.01	6.1	< .1	< .05	7
1400S 1250E	9	389248	6277473	0.71	0.133	8	10.7	1.44	86	0.159	1	1.9	0.125	0.13	2.3	< .01	4.6	< .1	< .05	6
1400S 1300E	9	389295	6277471	0.26	0.185	16	9.4	0.68	353	0.071	1	1.7	0.024	0.1	16.3	0.02	4.9	0.1	< .05	5
1400S 1350E	9	389323	6277477	0.25	0.187	14	7.6	0.72	321	0.089	< 1	1.82	0.035	0.1	13.3	0.03	5.4	0.1	< .05	6
1500S 1000E	9	389026	6277386	0.51	0.125	8	8.3	0.51	207	0.067	1	1.66	0.013	0.06	4.8	0.01	2.4	0.1	0.13	8
1500S 1050E	9	389072	6277382	0.44	0.09	11	11.1	0.43	195	0.212	1	2	0.019	0.04	1.7	0.03	2.4	< .1	0.12	9
1500S 1100E	9	389118	6277378	0.79	0.138	13	13.7	1.27	147	0.339	1	2.2	0.287	0.17	1.9	0.01	5.4	0.1	0.06	7
1500S 1150E	9	389164	6277375	0.3	0.2	14.5	8.4	0.6	223	0.2	1.0	2.1	0.0	0.1	1.8	0.0	4.6	0.1	0.1	6.5
1500S 1200E	9	389210	6277371	0.38	0.214	17	4.9	0.54	294	0.108	1	2.33	0.024	0.09	1.3	0.01	3.6	0.1	0.07	7
1500S 1250E	9	389258	6277367	0.37	0.15	14	6.9	0.59	261	0.104	1	1.57	0.077	0.13	1.7	0.02	3.7	0.1	0.2	5
1500S 1300E	9	389307	6277363	0.54	0.105	11	9.3	0.87	257	0.064	1	1.66	0.039	0.18	1.1	0.02	4	0.1	< .05	5
1500S 1350E	9	389354	6277359	0.42	0.162	20	5.9	0.71	573	0.084	1	2.14	0.019	0.08	1.8	0.02	4.4	0.1	< .05	6
1500S 1400E	9	389401	6277355	0.58	0.184	9	3.3	0.6	862	0.074	1	1.9	0.025	0.08	2.3	0.01	3.5	0.1	< .05	5
1500S 1450E	9	389445	6277352	0.29	0.148	17	4.5	0.66	525	0.097	2	1.89	0.015	0.13	2.4	0.01	4.6	0.1	< .05	6
1600S 1000E	9	389023	6277277	0.21	0.123	17	10.6	0.55	122	0.102	1	2.47	0.009	0.05	3.8	0.06	3.3	0.1	0.07	9
1600S 1050E	9	389069	6277275	0.44	0.135	15	14.5	0.88	84	0.235	2	2.51	0.062	0.09	4.6	0.02	4.2	0.1	< .05	10
1600S 1100E	9	389115	6277274	0.29	0.15	29	14.6	0.62	245	0.216	1	2.51	0.063	0.09	2.7	0.03	4.1	0.1	0.09	12
1600S 1150E	9	389162	6277273	0.44	0.118	16	19.7	0.63	116	0.673	2	3.86	0.113	0.09	0.5	0.08	7.6	0.1	0.07	13
1600S 1200E	9	389208	6277272	0.28	0.131	11	10.9	0.51	170	0.154	< 1	2.08	0.022	0.08	1.5	0.08	2.9	0.1	0.13	8
1600S 1250E	9	389254	6277271	0.25	0.146	10	6.9	0.41	250	0.055	3	1.77	0.029	0.09	1.8	0.04	1.4	0.1	0.18	7
1600S 1300E	9	389300	6277269	0.37	0.106	14	6	0.49	66	0.089	2	1.68	0.013	0.05	2.2	0.02	2.5	< .1	< .05	6
1600S 1350E	9	389346	6277268	0.7	0.088	24	7.9	0.48	85	0.135	1	2.22	0.028	0.06	3.9	0.02	2.4	0.1	< .05	12
1600S 1400E	9	389392	6277267	0.34	0.09	24	11.1	0.54	177	0.154	1	2.57	0.079	0.09	1.5	0.02	3.1	0.1	< .05	13
1600S 1450E	9	389438	6277266	0.3	0.1	27.5	7.5	0.5	384.0	0.1	2.0	2.2	0.0	0.1	2.2	0.0	3.6	0.1	< .05	11.5
1600S 1500E	9	389484	6277265	0.4	0.173	16	7.9	0.62	225	0.127	1	2.42	0.019	0.07	4.2	0.02	5.2	0.1	< .05	8
1700S 1200E	9	389205	6277172	0.36	0.129	13	6	0.56	92	0.102	2	1.56	0.032	0.07	3	0.02	2.9	0.1	< .05	6
1700S 1250E	9	389251	6277171	0.43	0.135	9	9.5	0.72	72	0.195	< 1	1.61	0.098	0.09	12.5	0.02	3.2	0.1	0.09	7
1700S 1300E	9	389297	6277169	0.15	0.127	10	11.3	0.32	104	0.101	< 1	2.25	0.025	0.06	3.9	0.07	1.5	0.1	0.15	10
1700S 1350E	9	389343	6277168	0.46	0.09	28	10.4	0.71	172	0.102	1	1.74	0.046	0.08	2.3	0.03	4.1	0.1	< .05	7
1700S 1400E	9	389390	6277167	0.59	0.152	22	9.2	0.72	447	0.161	< 1	1.71	0.091	0.1	2.7	0.03	4.3	0.1	< .05	6
1700S 1450E	9	389436	6277166	0.41	0.176	15	16.7	0.75	131	0.372	1	2.96	0.097	0.11	4.6	0.04	5.9	0.1	< .05	10
1700S 1500E	9	389482	6277165	1.27	0.156	12	26.7	1.62	123	0.425	2	2.33	0.452	0.22	2.1	0.04	6.5	0.1	< .05	8
2200S 1600E	9	389640	6276655	4.37	0.125	13	3.6	1.14	694	0.033	1	1.14	0.009	0.1	1.2	0.04	2.6	< .1	0.09	4
2200S 1625E	9	389665	6276654	3.05	0.129	13	4.5	1	356	0.03	2	1.07	0.007	0.1	1.1	0.02	2.5	< .1	0.1	4
2200S 1650E	9	389690	6276654	2.86	0.089	12	5.8	2.57	1096	0.036	11	1.3	0.007	0.14	1.6	0.03	3	0.1	0.16	8
2200S 1675E	9	389715	6276653	1.42	0.138	14	4.5	0.96	799	0.048	1	1.22	0.018	0.12	1	0.02	2.9	< .1	< .05	4
2200S 1700E	9	389740	6276652	2.43	0.13	15	7.1	1.45	544	0.141	2	1.23	0.086	0.1	1.5	0.04	3.3	< .1	0.09	4
2225S 1700E	9	389739	6276629	1.58	0.084	11	7.6	6.52	669	0.067	24	1.34	0.039	0.14	3	0.04	3.4	0.1	0.11	7
2250S 1700E	9	389739	6276606	0.93	0.138	15	9.4	1.29	408	0.171	1	1.43	0.168	0.13	1	0.03	4.1	< .1	0.06	5
2250S 1725E	9	389764	6276605	1.25	0.092	9	6	2.25	197	0.045	7	1.21	0.023	0.11	1	0.03	2.3	< .1	0.71	6
2250S 1750E	9	389789	6276604	0.97	0.068	7	2.8	2.22	148	0.03	17	0.64	0.012	0.08	0.6	0.04	1.1	< .1	1.31	17
2275S 1750E	9	389788	6276581	0.55	0.13	15	6.7	1.02	351	0.082	< 1	1.48	0.071	0.15	1.7	0.03	3.6	< .1	0.22	6
2300S 1750E	9	389788	6276558	0.54	0.118	12	4.1	0.79	408	0.035	1	1.32	0.036	0.12	0.9	0.01	2.9	< .1	0.15	4
2300S 1775E	9	389813	6276557	0.21	0.063	2	2.7	0.59	257	0.005	1	0.41	0.002	0.05	0.7	0.02	0.6	0.1	< .05	9
2300S 1800E	9	389838	6276556	2.315	0.0815	18	3.95	1.065	184.5	0.003	1	1.66	0.0025	0.135	1.15	0.01	1.8	< .1	< .05	4
1350E 1025S	9	389380	6278044	1.55	0.14	14	3.2	0.56	55	0.067	5	2.57	0.01	0.03	2.8	0.12	6.5	< .1	< .05	5
1350E 1050S	9	389379	6278019	1	0.124	13	21.4	0.94	356	0.121	1	1.56	0.025	0.06	1.9	0.08	7.1	0.1	< .05	8
1350E 1075S	9	389378	6277994	0.69	0.208	7	23.9	0.67	148	0.175	2	2.09	0.06	0.07	0.9	0.05	13.3	< .1	0.32	9
1400E 1025S	9	389430	6278042	0.39	0.117	9	10.6	0.93	308	0.121	1	2.4	0.01	0.04	0.2	0.07	7.2	0.1	0.06	10
1400E 1050S	9	389429	6278017	0.15	0.106	12	2	0.05	163	0.041	3	0.26	0.015	0.41	0.2	0.1	2.1	0.2	0.79	2
1400E 1075S	9	389428	6277992	0.43	0.131	11	11	0.88	288	0.134	2	1.92	0.017	0.12	5.9	0.15	6.4	0.1	0.22	7
1400E 1125S	9	389427	6277943	0.73	0.183	19	7.1	1.07	290	0.159	1	1.78	0.084	0.14	0.9	0.05	5.2	0.1	0.06	8
1600E 1100S	9	389628	6277962	10.24	0.113	17	10.1	1.82	239	0.068	1	2.07	0.029	0.11	0.4	0.03	6	0.1	0.1	9
400E 1300S	9	388526	6277690	0.27	0.143	8	18.3	0.5	54	0.335	< 1	2.79	0.045	0.06	1.2	0.08	3.4	0.1	< .05	12
400E 1350S	9	388525	6277640	0.11	0.064	12	9.1	0.1	36	0.128	1	1.43	0.012	0.04	1.3	0.08	0.9	0.1	< .05	25
400E 1400S	9	388523	6277591	0.26	0.094	8	12	0.48	146	0.068	< 1	2.62	0.008	0.03	1.9	0.06	2.9	0.1	< .05	5
400E 1450S	9	388522	6277541	0.3	0.149	11	8.2	0.65	128	0.077	< 1	1.96	0.023	0.07	3.8	0.02	2.7	0.1	< .05	6

APPENDIX D: SOIL SAMPLE LOCATIONS AND ANALYTICAL RESULTS

		m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
SAMPLES	**UTMZone**	**UTME83**	**UTMN83**	**Mo**	**Cu**	**Pb**	**Zn**	**Ag**	**Ni**	**Co**	**Mn**	**Fe**	**As**	**U**	**Au**	**Th**	**Sr**	**Cd**	**Sb**	**Bi**	**V**
400E 1500S	9	388521	6277491	12.2	59.2	30.9	44	1.6	4.9	4.7	275	3.63	3.3	1.1	28.4	1.2	20	0.3	0.3	0.9	94
400E 1550S	9	388519	6277441	5.6	149.5	24.2	97	0.4	10.6	15.1	1348	3.99	4.1	1.1	25.3	1.2	26	0.4	0.3	0.7	64
400E 1600S	9	388518	6277391	7.4	41.9	24.8	40	0.5	6.6	4.7	241	4.71	4.1	1.2	7.8	1.2	23	0.3	0.3	0.7	108
400E 1650S	9	388517	6277341	6.3	36.8	18.6	53	1.4	4.2	3.8	425	4.05	5.4	1.5	9.2	1.1	13	0.1	0.2	0.6	58
400E 1700S	9	388515	6277291	11	29	17.5	50	0.7	5.6	4.6	351	5.48	6.7	1.5	10.4	1.8	19	0.2	0.3	0.7	75
500E 1300S	9	388614	6277688	12.3	162.2	53.1	114	0.5	5.4	6	478	3.05	5.1	1	17.9	0.6	21	0.3	0.3	1.2	60
500E 1350S	9	388613	6277638	8	45.5	17.3	45	1.1	3.6	2.9	272	5.87	8	1.5	2.5	1.6	10	0.4	0.3	0.6	54
500E 1400S	9	388612	6277587	20.9	265.9	41.3	161	0.7	8	19.9	2444	4.28	6.6	1.3	14.7	3.7	28	1.2	0.4	1	60
500E 1450S	9	388610	6277537	58.6	232.7	89.7	58	1.2	3.6	11.3	920	9.48	24.7	0.6	276.4	2.1	10	0.1	0.9	10.3	35
500E 1500S	9	388609	6277487	5.6	175.7	30.7	85	0.2	7.7	10.4	673	3.43	5.3	0.9	27.9	3	24	0.4	0.3	0.6	59
500E 1550S	9	388608	6277436	3.4	109.1	20.9	94.0	0.2	12.5	17.4	1435.5	3.5	6.4	0.9	11.0	2.0	24.0	0.4	0.5	0.5	70.0
500E 1600S	9	388606	6277386	11.7	44.6	24.2	56	0.7	5.8	8.2	519	4.08	3.4	1	25.3	0.7	24	0.3	0.3	0.7	96
500E 1650S	9	388605	6277336	5	177.3	29.7	104	0.4	5.7	7.1	621	2.84	5.5	1.2	17	2.5	29	0.4	0.2	0.9	52
500E 1700S	9	388604	6277286	12.4	24.4	18	60	0.4	7.1	7.3	606	3.74	4.9	1.1	15.1	1	17	0.3	0.2	0.6	106
98th %	percentile			128.848	2480.794	591.968	4585.54	3.1	27.328	142.66	5343.36	18.0144	52.12	3.052	359.428	7.176	99.42	26.47	2.538	11.756	108
95th %	percentile			79.5	1339.115	406.605	1104	2.45	19.125	69.635	4776.1	13.7325	37.185	2.7	236.455	6.8	79.45	7.78	1.735	9.935	104.45
90th %	percentile			44.52	668.8	182.73	699	1.7	15.17	49.59	3991	10.804	25.45	2	111.77	6.2	73	5.6	1.09	6.72	99
Anomalous				50	700	200	1500	1.8					26		150				1.9	9.8	
bably anomalous				30	450	110	450								90				1.4	4.4	

APPENDIX D: SOIL SAMPLE LOCATIONS AND ANALYTICAL RESULTS

		m	m	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
SAMPLES	**UTMZone**	**UTME83**	**UTMN83**	**Ca**	**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**B**	**Al**	**Na**	**K**	**W**	**Hg**	**Sc**	**Tl**	**S**	**Ga**
400E 1500S	9	388521	6277491	0.13	0.07	7	10.8	0.23	42	0.225	1	1.53	0.017	0.06	1	0.05	1.7	0.1	< .05	12
400E 1550S	9	388519	6277441	0.35	0.146	8	12	0.51	87	0.1	1	1.78	0.012	0.06	1.5	0.07	2.5	< .1	< .05	5
400E 1600S	9	388518	6277391	0.13	0.076	6	13.6	0.24	97	0.207	< 1	1.16	0.007	0.04	1.2	0.1	1.6	0.1	< .05	13
400E 1650S	9	388517	6277341	0.1	0.097	12	13.1	0.2	41	0.175	< 1	2.37	0.018	0.04	0.6	0.11	1.3	0.1	< .05	20
400E 1700S	9	388515	6277291	0.13	0.086	12	15.7	0.23	41	0.203	< 1	2.11	0.034	0.05	1	0.07	1.7	0.1	< .05	24
500E 1300S	9	388614	6277688	0.22	0.109	7	10.1	0.45	76	0.082	1	1.74	0.013	0.05	2	0.04	1.9	0.1	< .05	7
500E 1350S	9	388613	6277638	0.08	0.07	12	12.3	0.12	30	0.151	< 1	2.46	0.014	0.04	1.2	0.13	1.6	< .1	0.06	23
500E 1400S	9	388612	6277587	0.3	0.127	15	9.3	0.57	264	0.067	< 1	1.87	0.035	0.13	1.8	0.03	3.5	0.1	< .05	6
500E 1450S	9	388610	6277537	0.06	0.153	12	2.4	0.08	156	0.006	< 1	0.63	0.003	0.12	0.7	0.04	2.7	0.1	< .05	4
500E 1500S	9	388609	6277487	0.31	0.114	11	9.5	0.45	76	0.1	< 1	1.84	0.01	0.03	2.4	0.02	3.5	< .1	< .05	4
500E 1550S	9	388608	6277436	0.3	0.1	11.0	14.8	0.6	88.5	0.1	1.0	1.9	0.0	0.1	0.9	0.0	3.9	0.1	< .05	6.0
500E 1600S	9	388606	6277386	0.19	0.063	6	13.2	0.38	53	0.282	1	1.39	0.041	0.06	0.9	0.05	1.7	0.1	< .05	12
500E 1650S	9	388605	6277336	0.32	0.119	11	7.2	0.62	77	0.07	1	1.62	0.011	0.07	2	0.02	3.2	< .1	< .05	6
500E 1700S	9	388604	6277286	0.13	0.069	7	16.2	0.35	30	0.413	1	1.47	0.038	0.07	0.5	0.07	2	0.1	0.07	16
98th %	percentile			4.1158	0.21338	28.69	22.35	4.2464	733.9	0.40742	23.16	2.9866	0.1984	0.348	23.026	0.12	8.142	0.2		21.14
95th %	percentile			2.629	0.193475	25.35	19.88	2.968	622.7	0.3368	14.95	2.6345	0.10475	0.18	13.08	0.095	7.39	0.1		16.45
90th %	percentile			1.417	0.183	20	17.62	1.728	524.8	0.2277	4.3	2.564	0.0788	0.149	7.68	0.08	6.77	0.1		12.9

Anomalous
bably anomalous

APPENDIX E: MAGNETOMETER SURVEY: LOCATIONS AND CORRECTED DATA

North (m)	East (m)	Corrected	Longitude	Latitude	Notes
-800	450	6982	-130.816801	56.633718	lst.ank.
-800	462.5	7058	-130.816621	56.633718	lst.ank.
-800	475	6882	-130.816441	56.633718	
-800	487.5	7057	-130.816261	56.633718	
-800	500	6889	-130.816081	56.633718	lst.ank.
-800	512.5	7014	-130.815901	56.633718	
-800	525	7015	-130.815721	56.633718	
-800	537.5	7043	-130.815541	56.633718	
-800	550	6904	-130.815361	56.633718	
-800	562.5	7237	-130.815181	56.633718	lst.
-800	575	7214	-130.815001	56.633718	Lehto
-800	587.5	7154	-130.814821	56.633718	
-800	600	7188	-130.814641	56.633718	Lehto
-800	612.5	7221	-130.814461	56.633718	Stuhini
-800	625	7130	-130.814281	56.633718	
-800	637.5	7180	-130.814101	56.633718	
-800	650	7103	-130.813921	56.633718	
-800	662.5	7157	-130.813741	56.633718	
-800	675	7077	-130.813561	56.633718	
-800	687.5	7061	-130.813381	56.633718	
-800	700	7043	-130.813201	56.633718	qtz.veins
-800	712.5	7069	-130.813021	56.633718	
-800	725	7144	-130.812841	56.633718	
-800	737.5	7152	-130.812661	56.633718	
-800	750	7204	-130.812481	56.633718	
-800	762.5	6992	-130.812301	56.633718	
-800	775	6996	-130.812121	56.633718	
-800	787.5	6942	-130.811941	56.633718	
-800	800	6938	-130.811761	56.633718	
-900	500	6982	-130.816081	56.632818	lst.ank.
-900	512.5	7124	-130.815901	56.632818	Lehto
-900	525	7139	-130.815721	56.632818	
-900	537.5	7150	-130.815541	56.632818	
-900	550	7157	-130.815361	56.632818	
-900	562.5	7145	-130.815181	56.632818	Lehto
-900	575	7112	-130.815001	56.632818	
-900	587.5	7110	-130.814821	56.632818	
-900	600	7116	-130.814641	56.632818	
-900	612.5	7164	-130.814461	56.632818	
-900	625	7186	-130.814281	56.632818	
-900	637.5	7072	-130.814101	56.632818	
-900	650	7141	-130.813921	56.632818	
-900	662.5	7162	-130.813741	56.632818	
-900	675	7147	-130.813561	56.632818	
-900	687.5	7136	-130.813381	56.632818	
-900	700	7302	-130.813201	56.632818	
-900	712.5	7309	-130.813021	56.632818	
-900	725	7315	-130.812841	56.632818	
-900	737.5	7493	-130.812661	56.632818	
-900	750	7688	-130.812481	56.632818	
-900	762.5	7229	-130.812301	56.632818	Lehto

-900	775	7138	-130.812121	56.632818	Stuhini
-900	787.5	7060	-130.811941	56.632818	
-900	800	7041	-130.811761	56.632818	
-900	812.5	7020	-130.811581	56.632818	
-900	825	6978	-130.811401	56.632818	
-900	837.5	6929	-130.811221	56.632818	
-900	850	6981	-130.811041	56.632818	
-900	862.5	6848	-130.810861	56.632818	
-900	875	6842	-130.810681	56.632818	
-900	887.5	6953	-130.810501	56.632818	
-900	900	6840	-130.810321	56.632818	
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-1000	812.5	6993	-130.811461	56.631918	cp.liz.
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-1000	925	7036	-130.809913	56.631918	Lehto,qtz.
-1000	937.5	8819	-130.809741	56.631918	
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-1000	975	12019	-130.809225	56.631918	
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-1000	1000	376	-130.808881	56.631918	010 fault
-1000	1012.5	7664	-130.808693	56.631918	
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-1000	1162.5	7034	-130.806437	56.631918	
-1000	1175	6929	-130.806249	56.631918	
-1000	1187.5	7068	-130.806061	56.631918	
-1000	1200	7100	-130.805873	56.631918	
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-1100	812.5	6985	-130.811513	56.631019	
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-1100	850	6985	-130.810987	56.631019	
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-1100	975	7146	-130.809232	56.631019	
-1100	987.5	10516	-130.809057	56.631019	Skarn
-1100	1000	12518	-130.808881	56.631019	Skarn
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-1100	1162.5	7430	-130.806437	56.631055	
-1100	1175	7246	-130.806249	56.631058	
-1100	1187.5	7267	-130.806061	56.631060	
-1100	1200	7078	-130.805873	56.631063	
-1100	1212.5	7028	-130.805645	56.631098	
-1100	1225	6942	-130.805416	56.631133	
-1100	1237.5	6725	-130.805188	56.631169	
-1100	1250	6234	-130.804959	56.631204	
-1100	1262.5	7219	-130.804731	56.631239	
-1100	1275	7549	-130.804502	56.631274	
-1100	1287.5	15346	-130.804274	56.631310	liz.ck.
-1100	1300	12994	-130.804045	56.631345	Skarn
-1100	1312.5	10576	-130.803817	56.631380	Skarn
-1100	1325	-37620	-130.803588	56.631415	mt.
-1100	1337.5	8727	-130.803360	56.631450	
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-1100	1362.5	9160	-130.802903	56.631521	
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-1200	1125	7461	-130.807161	56.630120	
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-1200	1150	7209	-130.806817	56.630120	Liz. Ck
-1200	1162.5	7220	-130.806645	56.630120	
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-1600	1275	7165	-130.804745	56.626524	
-1600	1287.5	7152	-130.804557	56.626524	
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-1600	1437.5	7473	-130.802301	56.626524	Lehto
-1600	1450	7207	-130.802113	56.626524	
-1600	1462.5	7489	-130.801925	56.626524	
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-1700	1250	7012	-130.805121	56.625625	
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-2200	1587.5	5222	-130.798775	56.621088	calc-sil
-2200	1600	4884	-130.798571	56.621088	calc-sil
-2200	1612.5	3791	-130.798367	56.621088	
-2200	1625	2757	-130.798163	56.621088	
-2200	1637.5	4291	-130.797959	56.621088	
-2200	1650	7055	-130.797755	56.621088	Mag.cp
-2200	1662.5	2511	-130.797551	56.621088	Mag cp
-2200	1675	11379	-130.797347	56.621088	mt. ank.
-2200	1687.5	11867	-130.797143	56.621088	mt. ank.
-2200	1700	10248	-130.796939	56.621088	mt. ank.
-2200	1712.5	9319	-130.796735	56.621088	marble
-2200	1725	8731	-130.796531	56.621088	marble
-2200	1737.5	8133	-130.796327	56.621088	marble
-2200	1750	7739	-130.796123	56.621088	marble

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-2250	1712.5	9025	-130.796735	56.620668	calc-sil
-2250	1725	2527	-130.796531	56.620668	py. lim.
-2250	1737.5	9048	-130.796327	56.620668	mt. cp.
-2250	1750	18747	-130.796123	56.620668	mt. cp.
-2250	1762.5	6818	-130.795919	56.620668	marble
-2250	1775	5914	-130.795715	56.620668	marble
-2250	1787.5	7109	-130.795511	56.620668	marble
-2250	1800	7022	-130.795307	56.620668	marble
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-2300	1762.5	2285	-130.795919	56.620248	creek
-2300	1775	5663	-130.795715	56.620248	calc-sil
-2300	1787.5	2509	-130.795511	56.620248	fault
-2300	1800	2318	-130.795307	56.620248	fault
-2300	1812.5	9615	-130.795103	56.620248	mt. ank.
-2300	1825	8149	-130.794899	56.620248	mt. ank.
-2300	1837.5	7890	-130.794695	56.620248	marble
-2300	1850	7649	-130.794491	56.620248	marble
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400	-1350	7573	-130.817161	56.629672	
400	-1362.5	7457	-130.817161	56.629560	
400	-1375	7499	-130.817161	56.629448	
400	-1387.5	7758	-130.817161	56.629336	
400	-1400	2022	-130.817161	56.629224	
400	-1412.5	1925	-130.817161	56.629112	
400	-1425	2071	-130.817161	56.629000	
400	-1437.5	1906	-130.817161	56.628888	
400	-1450	2190	-130.817161	56.628776	
400	-1462.5	2077	-130.817161	56.628664	
400	-1475	2051	-130.817161	56.628552	
400	-1487.5	2096	-130.817161	56.628440	
400	-1500	2198	-130.817161	56.628328	
400	-1512.5	2288	-130.817161	56.628216	
400	-1525	2227	-130.817161	56.628104	
400	-1537.5	2209	-130.817161	56.627992	
400	-1550	2276	-130.817161	56.627880	
400	-1562.5	2311	-130.817161	56.627768	
400	-1575	2201	-130.817161	56.627656	
400	-1587.5	2116	-130.817161	56.627544	
400	-1600	2319	-130.817161	56.627432	
400	-1612.5	2707	-130.817161	56.627320	
400	-1625	1655	-130.817161	56.627208	
400	-1637.5	2207	-130.817161	56.627096	
400	-1650	2117	-130.817161	56.626984	
400	-1662.5	2098	-130.817161	56.626872	
400	-1675	2114	-130.817161	56.626760	
400	-1687.5	2205	-130.817161	56.626648	
400	-1700	2198	-130.817161	56.626536	
500	-1300	7246	-130.815721	56.630120	

500	-1312.5	7311	-130.815721	56.630007	
500	-1325	7291	-130.815721	56.629894	
500	-1337.5	7366	-130.815721	56.629781	
500	-1350	7391	-130.815721	56.629668	
500	-1362.5	7496	-130.815721	56.629555	
500	-1375	7527	-130.815721	56.629442	
500	-1387.5	6906	-130.815721	56.629329	
500	-1400	7039	-130.815721	56.629216	
500	-1412.5	7128	-130.815721	56.629103	
500	-1425	7109	-130.815721	56.628990	
500	-1437.5	7112	-130.815721	56.628877	
500	-1450	7119	-130.815721	56.628764	
500	-1462.5	7204	-130.815721	56.628651	
500	-1475	7225	-130.815721	56.628538	
500	-1487.5	7298	-130.815721	56.628425	
500	-1500	7436	-130.815721	56.628312	
500	-1512.5	7533	-130.815721	56.628199	
500	-1525	7645	-130.815721	56.628086	
500	-1537.5	7270	-130.815721	56.627973	
500	-1550	6991	-130.815721	56.627860	
500	-1562.5	7248	-130.815721	56.627747	
500	-1575	7274	-130.815721	56.627634	
500	-1587.5	7276	-130.815721	56.627521	
500	-1600	6980	-130.815721	56.627408	
500	-1612.5	6984	-130.815721	56.627295	
500	-1625	7109	-130.815721	56.627182	
500	-1637.5	7228	-130.815721	56.627069	
500	-1650	6879	-130.815721	56.626956	
500	-1662.5	6996	-130.815721	56.626843	
500	-1675	6963	-130.815721	56.626730	
500	-1687.5	7113	-130.815721	56.626617	
500	-1700	7054	-130.815721	56.626504	
1350	-1000	7299	-130.803404	56.633718	Stuhini
1350	-1012.5	7228	-130.803404	56.633606	Stuhini
1350	-1025	7296	-130.803404	56.633494	Stuhini
1350	-1037.5	7347	-130.803404	56.633382	ep. py
1350	-1050	7427	-130.803404	56.633270	Stuhini
1350	-1062.5	7589	-130.803404	56.633158	qtz.py.
1350	-1075	7904	-130.803404	56.633046	Stuhini
1350	-1087.5	8357	-130.803404	56.632934	qtz.py.
1350	-1100	9574	-130.803404	56.632822	Liz.Ck.
1350	-1112.5	10881	-130.803404	56.632710	Stuhini
1350	-1125	11539	-130.803404	56.632598	ep. py.
1350	-1137.5	9477	-130.803404	56.632486	Stuhini
1350	-1150	7107	-130.803404	56.632374	Stuhini
1400	-1000	7119	-130.802586	56.633718	ep. py
1400	-1012.5	7211	-130.802586	56.633606	Stuhini
1400	-1025	7278	-130.802586	56.633494	ep. py
1400	-1037.5	7223	-130.802586	56.633382	Stuhini
1400	-1050	7221	-130.802586	56.633270	ep. py
1400	-1062.5	7276	-130.802586	56.633158	Stuhini
1400	-1075	7341	-130.802586	56.633046	ep. py

1400	-1087.5	7465	-130.802586	56.632934	Stuhini
1400	-1100	7596	-130.802586	56.632822	Stuhini
1400	-1112.5	7764	-130.802586	56.632710	Liz. Ck.
1400	-1125	7766	-130.802586	56.632598	Stuhini
1400	-1137.5	7875	-130.802586	56.632486	qtz. py.
1400	-1150	7883	-130.802586	56.632374	Stuhini

APPENDIX F: ROCK SAMPLE LOCATIONS AND ANALYTICAL DATA

APPENDIX F: SAMPLE LOCATION AND ANALYTICAL RESULTS FOR SURFACE ROCK SAMPLES

SAMPLE	m UTMN83	m UTME83	Width	m Elev.	Lithology	Gangue	Mineralization	(ppm) Mo	(ppm) Cu	(ppm) Pb	(ppm) Zn	(ppm) Ag	(ppm) Ni	(ppm) Co
BX-1 AR-4	6278005	389550	0.8 m	1716	skarn	mag.	py-cpy.	27.8	586.2	5.6	127	0.4	9.6	10.9
BX-2 AR-5	6278344	389805	0.5 m	1719	alt.vol.	020 q.v.	cp.ga.sp	53.8	1601.0	2532.6	1294	8	5.2	15
BX-2 AR-6	6278421	389787	0.5 m	1705	alt.vol.	045 q.v.	cp.ga.sp	10.8	4268.8	1111.8	404	45.1	7.4	13.4
BX-2 AR-7	6278447	389811	0.4 m	1692	alt.vol.	045 q.v.	cp.ga.sp	9.7	10292.2	14311.1	23651	25.8	11.4	57.6
BX-2 AR-8	6278452	389816	0.4 m	1689	alt.vol.	045 q.v.	cp.ga.sp	35.9	17237.0	25399.6	14019	190.7	13	25.7
BX-9 AR-9	6276038	389623	0.6 m	1401	qtz-monz.	015 q.v.	cp,cc.	10.5	374.8	1438.4	193	2	3.4	2.1
BX-9 AR-10	6276038	389621	1.9 m	1401	qtz-monz.	015 q.v.	py.sp.cp.	8	534.6	2185.5	4001	6.3	2.2	2.7
BX-1 AR-11	6276590	389742	0.3 m	1405	calc-sil.	110 skarn	mag.py.	5.4	324.6	39.4	498	1.5	5.5	92.4
BX-1 AR-12	6276625	389764	1.0 m	1412	calc.sil.	110 skarn	cp. sp.	0.5	447.7	10.8	44	0.2	4.8	71.2
BX-1 AR-13	6278122	388607	0.5 m	1277	calc-sil.	120 silic.	py cp.	35.4	22.0	16.5	114	0.1	1.4	4.6
BX-1 AR-14	6278949	388447	0.6 m	1211	ank.fault	025 silic.	cp.cc.	22.8	12085.2	36.7	45	3.3	8.4	10
BX-2 AR-15	6278456	389814	1.0 m	1609	volbrecc	028 q.v.	py.cp	2.5	361.8	31.3	475	1.3	35.5	48
BX-2 AR-16	6278456	389807	0.5 m	1611	alt.vol.	038 q.v.	cp.chi.	11.1	14070.0	138.3	909	111.2	28.1	73.8
BX-2 AR-17	6278606	389983	0.3 m	1505	hornfels	119 q.v.	sp.ga.	13.9	125.6	3701.3	18723	2.5	7.15	12.75
BX-2 AR-18	6278566	389918	ang.float	1511	homfels	vuggy qtz	cp.cc.	7.9	14469.1	26210.2	18285	44.3	6.9	15.9
BX-2 AR-19	6278723	389818	0.7 m	1517	hornfels	ribbon qtz	cp.cc.	143.7	532.9	5913.2	12586	3.3	4.9	19.3
BX-2 AR-20	6278725	389818	4.0 m	1517	skarn	qtz-chl.	cp.cc.	20.5	920.3	264.1	1037	7.6	7.4	20.7
BX-1 AR-21	6278636	389739	0.3 m	1541	alt.vol.	048 q.v.	cp-ga.sp	6.5	163.1	24173.8	1219	17.8	2.2	1.7
BX-10 AR-22	6281492	397820	0.6 m	1394	vol.brecc	123 q.v.	py.lim.ank	9.1	4.6	129.6	119	0.1	< .1	9.1
BX-10 AR-23	6281492	397980	0.4 m	1467	vol.brecc	125 ank	cp-py	2.5	10320.3	19.2	27	1.3	6.2	9.8
BX-10 AR-24	6281494	397983	0.6 m	1467	vol.brecc	125 qtz	pychl.	2.2	42.8	56.7	47	0.1	1.8	5
BX-10 AR-25	6281358	398007	1.0 m	1594	tuffs/flows	150 qtz	py.spec.	3.1	35.1	11	61	< .1	1.1	2.2
BX-10 AR-26	6281414	398075	subcrop	1586	vol.brecc	135 lim	py.spec.	18.1	277.4	12.8	25	0.7	< .1	3.7
BX-1 AR-27	6277352	388576	0.3 m	1207	skarn	136 lim	mag.	36.5	348.5	13.8	98	0.2	1.7	6.1
BX-1 AR-28	6276658	389680	0.7 m	1412	skarn	130 liz	cp py.	0.4	47.2	7	126	0.1	3.9	27.4
BX-1 AR-29	6276658	389685	0.7 m	1415	skarn	130 mag	cp py.	20.4	103.5	14	31	1.4	11949	2777.7
BX-1 AR-30	6276633	389735	1.0 m	1436	skarn	135 liz	mag.py.	0.4	529.6	4.4	73	0.2	24.9	88.9
BX-1 AR-31	6276608	389785	1.0 m	1452	skarn	135 mag	cp.py.	0.3	612.4	8.4	195	0.6	9	401.1
BX-1 AR-32	6277900	389330	0,5 m	1632	Stuhini	165 qtz	cp.mag.	13.7	42.9	8.5	51	0.2	4	38.5
BX-1 AR-33	6277894	389416	0.5 m	1638	Stuhini	165 qtz	cp.py.	3.3	22.3	6.7	30	2.4	5.3	35
BX-2 17-9-7-MR	6277791	389179	Grab		alt. Lehto	qtz	py.	16.5	20.3	144.5	53	7.5	1.7	0.4
BX-2 17-9-8-MR	6277688	389184	3.0 m		alt. Lehto	qtz	py.	266.6	328.8	836.7	149	4.3	1.5	2.8
		98th %	percentile					304.8	4152.4	990.1	16280	4.4	7.8	36.7
		95th %	percentile					115.9	1353.3	389.4	6155	3.6	5.3	25.5
		90th %	percentile					55.1	756.3	194.2	3359	2.9	3.2	16.3
			Threshold					100	1100	400	7000	1.2		

APPENDIX F: SAMPLE LOCATION AND ANALYTICAL RESULTS FOR SURFACE ROCK SAMPLES

SAMPLE	**m UTMN83**	**m UTME83**	**Width**	**(ppm) Mn**	**(%) Fe**	**(ppm) As**	**(ppm) U**	**(ppb) Au**	**(ppm) Th**	**(ppm) Sr**	**(ppm) Cd**	**(ppm) Sb**	**(ppm) Bi**	**(ppm) V**	**(%) Ca**	**(%) P**	**(ppm) La**	**(ppm) Cr**
BX-1 AR-4	6278005	389550	0.8 m	1555	4.65	4.4	0.2	4.9	0.9	33	0.1	0.2	0.3	88	2.28	0.087	6	17.1
BX-2 AR-5	6278344	389805	0.5 m	1581	2.96	23.6	0.3	40.7	0.1	3	24	1.3	4	14	0.88	0.023	1	19
BX-2 AR-6	6278421	389787	0.5 m	7876	4.65	8.2	0.1	7	0.2	163	3.7	24.7	413.7	30	15.34	0.035	7	6.1
BX-2 AR-7	6278447	389811	0.4 m	7084	8.02	5.7	1.5	48.4	0.6	5	313.3	5.8	13.5	41	0.22	0.039	7	20
BX-2 AR-8	6278452	389816	0.4 m	1960	4.82	7.1	17.7	935.9	0.3	18	57	43.5	20.5	23	0.18	0.041	8	15.3
BX-9 AR-9	6276038	389623	0.6 m	209	0.71	1.1	0.5	13.6	1.2	4	1.5	0.6	1.1	4	0.13	0.014	3	25.4
BX-9 AR-10	6276038	389621	1.9 m	46	1.49	1.9	1.6	121.8	2.9	5	102.1	0.5	1.2	3	0.07	0.04	6	22.5
BX-1 AR-11	6276590	389742	0.3 m	163	27.97	16	0.2	16.8	< .1	2	1.6	0.6	1.2	12	0.38	0.017	< 1	8.9
BX-1 AR-12	6276625	389764	1.0 m	981	28.34	8.1	0.2	10.9	< .1	10	0.2	0.7	0.1	5	1.16	0.011	< 1	3.5
BX-1 AR-13	6278122	388607	0.5 m	1439	14.39	148.4	4.9	9.5	0.3	1	0.4	0.1	0.8	12	11.99	0.016	6	25.1
BX-1 AR-14	6278949	388447	0.6 m	393	2.49	13	0.2	11.7	0.2	4	0.9	5.4	16.6	9	0.41	0.025	1	13.9
BX-2 AR-15	6278456	389814	1.0 m	2036	4.86	18.2	1.1	3.2	0.4	143	5.7	0.7	0.3	113	3.95	0.087	4	12.8
BX-2 AR-16	6278456	389807	0.5 m	7846	5.75	641.8	1.7	26.3	0.2	109	21.7	2690.7	65.3	26	14.45	0.024	6	5.2
BX-2 AR-17	6278606	389983	0.3 m	550.5	1.385	56	0.2	8.65	0.55	55.5	148.6	16	0.95	40	0.835	0.038	1	25.65
BX-2 AR-18	6278566	389918	ang.float	3572	3.73	4.9	3.5	47.3	0.2	23	202.4	12.8	3.1	34	1.77	0.025	3	20.4
BX-2 AR-19	6278723	389818	0.7 m	1596	1.2	10.4	0.6	51.4	0.1	20	65.1	1.9	4.9	19	0.14	0.012	2	31.1
BX-2 AR-20	6278725	389818	4.0 m	1647	8.88	64.7	0.2	1741.6	0.5	11	4.5	1.1	27.3	46	0.15	0.032	3	27
BX-1 AR-21	6278636	389739	0.3 m	95	3.19	42.9	0.1	465.6	0.2	8	17	8.3	7.1	10	0.03	0.035	1	22.3
BX-10 AR-22	6281492	397820	0.6 m	15198	9.16	10.5	1.3	4.4	0.1	104	0.7	0.5	0.2	11	20.47	0.036	5	1.9
BX-10 AR-23	6281492	397980	0.4 m	1971	4.98	51.2	0.7	42.1	2.1	48	0.1	0.3	1.6	16	5.79	0.089	4	4
BX-10 AR-24	6281494	397983	0.6 m	5577	5.67	5.1	0.1	4	0.2	264	0.2	0.1	0.3	7	16.49	0.015	14	5.9
BX-10 AR-25	6281358	398007	1.0 m	979	1.85	4.8	0.7	0.9	0.3	11	0.2	0.1	0.1	2	1.84	0.017	9	12.8
BX-10 AR-26	6281414	398075	subcrop	1066	6.73	638.8	0.9	955.1	0.8	25	< .1	0.3	8.7	4	2.18	0.028	2	11.1
BX-1 AR-27	6277352	388576	0.3 m	490	37.72	2.6	0.4	37.2	0.1	2	0.2	0.2	0.4	28	0.04	0.061	< 1	1.6
BX-1 AR-28	6276658	389680	0.7 m	4473	23.95	12.2	0.3	1.1	< .1	170	0.4	2	< .1	21	10.56	0.011	< 1	1.4
BX-1 AR-29	6276658	389685	0.7 m	8291	6.62	22417	15.2	107.5	< .1	318	0.1	57	81.9	31	22.73	0.017	7	1.4
BX-1 AR-30	6276633	389735	1.0 m	1188	27.19	48	0.3	12.6	< .1	12	0.3	1.8	0.2	4	1.4	0.016	< 1	2
BX-1 AR-31	6276608	389785	1.0 m	1121	28.62	1.6	0.1	18.4	0.1	5	0.5	1.3	0.2	66	0.29	0.012	< 1	2.9
BX-1 AR-32	6277900	389330	0,5 m	187	32.76	33.7	1	29.7	0.7	21	< .1	0.7	9.6	185	0.27	0.14	1	20.4
BX-1 AR-33	6277894	389416	0.5 m	782	11.76	27.4	< .1	15.2	< .1	2	0.3	0.2	2.3	12	3.32	0.014	< 1	12.3
BX-2 17-9-7-MR	6277791	389179	Grab	42	1.66	6.4	0.1	155	0.2	3	0.3	0.5	8	6	0.01	0.004	1	23.9
BX-2 17-9-8-MR	6277688	389184	3.0 m	135	4	7.8	0.2	23.4	0.9	6	0.4	0.4	15	11	0.03	0.057	3	44.5
		98th %	percentile	2746	23.01	43.7	2.1	458.2	8.9	286	101.7	2.5	2.0	157	24.92	0.123	14	28.6
		95th %	percentile	2635	17.56	35.6	1.6	203.4	7.4	198	33.5	2.0	1.7	128	18.62	0.117	11	15.3
		90th %	percentile	2111	15.36	20.2	1.2	76.1	4.7	145	19.4	1.4	1.2	81	9.95	0.114	10	11.2
			Threshold			15		200										

APPENDIX F: SAMPLE LOCATION AND ANALYTICAL RESULTS FOR SURFACE ROCK SAMPLES

SAMPLE	m UTMN83	m UTME83	Width	(%) Mg	(ppm) Ba	(%) Ti	(ppm) B	(%) Al	(%) Na	(%) K	(ppm) W	(ppm) Hg	(ppm) Sc	(ppm) Tl	(%) S	(ppm) Ga
BX-1 AR-4	6278005	389550	0.8 m	1.57	88	0.082	2	2.69	0.016	0.28	0.8	0.01	5.2	0.1	0.08	8
BX-2 AR-5	6278344	389805	0.5 m	0.17	42	0.003	1	0.51	< .001	0.17	10.5	0.02	1.6	0.1	1.44	1
BX-2 AR-6	6278421	389787	0.5 m	0.92	168	0.004	2	1.01	0.005	0.2	7.5	0.08	4.5	0.1	0.66	3
BX-2 AR-7	6278447	389811	0.4 m	0.84	109	0.004	2	1.99	0.003	0.29	6.4	0.34	5.6	0.2	2	4
BX-2 AR-8	6278452	389816	0.4 m	0.31	302	0.02	2	2.87	0.003	0.22	4.3	4.47	4	0.1	0.84	3
BX-9 AR-9	6276038	389623	0.6 m	0.07	37	0.001	< 1	0.27	0.004	0.11	13.1	0.05	0.6	< .1	< .05	1
BX-9 AR-10	6276038	389621	1.9 m	0.02	125	0.001	1	0.23	0.005	0.18	7.2	0.81	0.3	0.1	1.07	1
BX-1 AR-11	6276590	389742	0.3 m	0.32	8	0.004	< 1	0.11	0.003	0.01	2.8	0.49	0.3	< .1	16.09	4
BX-1 AR-12	6276625	389764	1.0 m	1.75	32	0.002	11	0.03	0.002	< .01	1.8	< .01	0.4	< .1	2.24	6
BX-1 AR-13	6278122	388607	0.5 m	0.06	4	0.029	< 1	0.56	0.002	< .01	33.4	< .01	1.3	< .1	0.2	7
BX-1 AR-14	6278949	388447	0.6 m	0.09	64	0.001	1	0.28	0.007	0.2	6.4	0.03	2.7	0.1	1.5	1
BX-2 AR-15	6278456	389814	1.0 m	1.09	60	0.145	1	2.4	0.13	0.15	1.6	0.02	7.5	< .1	1.18	8
BX-2 AR-16	6278456	389807	0.5 m	1.3	151	0.002	1	0.72	0.003	0.12	2.5	0.59	2.3	0.1	0.56	3
BX-2 AR-17	6278606	389983	0.3 m	0.51	125.5	0.063	1.5	0.775	0.0255	0.14	6.05	0.345	2.55	< .1	0.82	3.5
BX-2 AR-18	6278566	389918	ang.float	0.66	170	0.004	1	1.19	0.004	0.15	49.1	0.61	2.9	0.1	0.5	4
BX-2 AR-19	6278723	389818	0.7 m	0.29	598	0.03	1	0.71	0.003	0.2	9.7	0.57	2.9	0.1	0.06	2
BX-2 AR-20	6278725	389818	4.0 m	0.94	71	0.046	1	1.5	0.007	0.08	13.4	0.48	3.4	< .1	1.77	6
BX-1 AR-21	6278636	389739	0.3 m	0.03	54	0.032	1	0.21	0.004	0.23	12	0.45	0.7	0.1	1	1
BX-10 AR-22	6281492	397820	0.6 m	0.29	2223	0.001	1	0.3	0.013	0.09	0.5	0.01	9.1	< .1	0.1	1
BX-10 AR-23	6281492	397980	0.4 m	1.49	40	0.001	2	0.84	0.009	0.29	2	0.02	2.7	0.1	1.25	2
BX-10 AR-24	6281494	397983	0.6 m	1.5	60	0.002	2	1.76	0.003	0.06	2	0.01	4.7	< .1	1.06	6
BX-10 AR-25	6281358	398007	1.0 m	0.06	306	0.001	1	0.39	0.011	0.25	6.6	< .01	3.4	< .1	< .05	1
BX-10 AR-26	6281414	398075	subcrop	0.74	52	0.001	1	0.44	0.026	0.2	3.2	0.02	2.7	< .1	0.17	1
BX-1 AR-27	6277352	388576	0.3 m	0.01	9	0.003	< 1	0.16	0.003	0.01	320.2	< .01	0.5	< .1	< .05	4
BX-1 AR-28	6276658	389680	0.7 m	5.57	846	0.002	37	0.13	0.004	< .01	0.9	< .01	1.2	< .1	0.22	8
BX-1 AR-29	6276658	389685	0.7 m	2.46	42	0.001	1	0.28	0.004	< .01	0.4	0.01	0.6	< .1	1.92	5
BX-1 AR-30	6276633	389735	1.0 m	4.39	83	0.004	28	0.03	0.005	< .01	1.4	< .01	1.8	< .1	2.42	7
BX-1 AR-31	6276608	389785	1.0 m	1.12	37	0.003	8	0.08	0.007	0.01	0.8	0.01	1.2	< .1	7.01	16
BX-1 AR-32	6277900	389330	0,5 m	0.09	55	0.106	1	0.6	0.003	0.01	4.1	0.01	2.5	< .1	< .05	11
BX-1 AR-33	6277894	389416	0.5 m	0.05	4	0.007	< 1	0.12	0.007	< .01	12.1	< .01	0.9	< .1	0.86	1
BX-2 17-9-7-MR	6277791	389179	Grab	0.01	209	0.003	1	0.16	0.004	0.15	11.7	0.05	0.3	0.1	0.35	< 1
BX-2 17-9-8-MR	6277688	389184	3.0 m	0.04	83	0.006	1	0.29	0.011	0.18	2.2	0.14	0.8	0.1	< .05	1
		98th %	percentile	10.76	258	0.147	70	2.64	0.094	0.36	25.4	0.12	4.1	0.1	2.53	19
		95th %	percentile	9.11	171	0.135	54	2.02	0.071	0.34	19.3	0.08	4.0	0.1	2.14	15
		90th %	percentile	5.38	141	0.111	35	1.71	0.064	0.32	10.6	0.03	3.6	0.1	1.70	12
			Threshold													

APPENDIX G: STREAM SEDIMENT SAMPLE LOCATIONS AND ANALYTICAL DATA

APPENDIX G: STREAM SEDIMENT SAMPLE LOCATIONS AND ANALYTICAL DATA

Sample	m UTME83	m UTMN83	Claim	m Elev.	Stream size	ppm Mo	ppm Cu	ppm Pb	ppm Zn	ppm Ag	ppm Ni	ppm Co	ppm Mn	% Fe	ppm As	ppm U
ST AK-1	390000	6279700	BX-4	1080	med.	16.6	155.1	95.6	495	0.9	18.3	23	1677	5.59	28.1	2.5
ST AK-2	390212	6279611	BX-4	1120	med.	1.9	118.4	59.1	221	1.5	13.6	32.8	982	5.12	30.9	0.5
ST AK-3	390350	6278860	BX-4	1320	large	1.9	190.8	46.3	329	2.4	17.6	46.5	2773	5.32	35.8	0.7
ST AK-4	390700	6278845	BX-4	1400	small	20.4	578.2	616.9	1343	1.5	23.9	49.6	5454	6.22	188.5	3.8
BX7AST1	384900	6272745	BX-7	1370	small	4.2	145.7	34.5	77	4.1	2.9	2.8	294	7.08	14.6	0.5
BX7AST2	384973	6272770	BX-7	1360	large	6.7	29.6	58.1	48	0.6	1	1.6	239	3.35	9.2	0.3
BX7AST3	385267	6273074	BX-7	1332	small	11.2	19.1	57.6	64	0.4	2	1.2	287	2.17	5.4	0.3
BX7AST4	385490	6273318	BX-7	1338	small	1.5	39.2	7.6	99	2.6	0.9	1.4	104	36.05	15.5	0.3
BX7AST5	385499	6273430	BX-7	1350	small	1.9	91	11.1	123	6.1	2.6	2.2	80	36.08	15.4	0.9
BX7AST6	385520	6273400	BX-7	1365	med.	1.6	40.8	7.4	107	3.5	1	0.9	64	40.41	23.4	0.2
BX8AST7	388230	6276430	BX-8	955	large	19.6	165	99.8	271	1.9	5.7	17.3	1584	4.99	8.1	1.5
BX8AST8	388245	6276424	BX-8	960	small	8	166.5	15.9	647	0.4	18.5	13.9	1169	4.31	5.7	2.1
BX9AST9	389435	6275831	BX-9	1230	small	28.7	200.5	2060.2	5390	2.4	7.5	17.5	2275	3.87	11.7	3.1
BX9ASTI0	389613	6276000	BX-9	1389	med.	35.3	154.6	451.7	264	0.3	4.3	15	2724	2.89	3.9	1.6
BX1AST11	389742	6276590	BX-1	1405	small	135.6	726.3	37.4	949	1.6	14.4	121.8	780	30.67	22.7	3.4
BX1AST12	388792	6277832	BX-1	1303	dry	21	1051.1	155.4	3994	1	8.4	25.4	3827	16.05	16.3	1.8
BX1AST13	388690	6277929	BX-1	1273	dry	6.4	44.6	49.3	101	0.3	9	14.7	1245	4.17	4.6	0.8
BX1AST14	388483	6278684	BX-1	1241	small	5.2	81.4	36.8	134	0.6	6.9	22.2	1021	4.66	11.6	0.8
BX1AST15	388447	6278949	BX-1	1211	med.	22.7	162.9	30.1	110	0.7	13.7	24.9	1845	4.7	8.8	0.9
BX1AST16	388438	6279147	BX-1	1208	med.	10.3	39.1	18.2	140	0.3	11	16.2	1480	4.88	8.7	6.9
BX2AST17	389918	6278566	BX-2	1511	small	3.4	205.75	540.35	499.5	1.6	16.7	22.2	1733.5	4.46	28.85	1.05
BX10AST18	397887	6281488	BX-10	1716	small	1.2	70.8	4.6	58	0.1	3.5	9.2	1789	3.59	12.6	0.3
BX3AST19	389714	6279884	BX-3	948	med.	5	173	73.4	446	0.6	12.6	16.1	1708	3.53	15.6	0.7
BX3AST20	389674	6279902	BX-3	956	large	5.5	190.2	114.3	381	1.2	9.8	27.5	1619	4.61	16.7	0.5
BX3AST21	389670	6279906	BX-3	954	small	32.2	121	44.1	176	0.6	10	22.5	1394	6.23	8.8	4.5
BX3AST22	389617	6279993	BX-3	936	small	32.2	406.1	10.3	76	0.2	8.6	23.1	1594	11.74	17	3.1
BX3AST23	389533	6280094	BX-3	959	med.	19.2	219.5	29.8	224	0.7	7.5	16.2	800	4.87	7.5	2.9
BX3AST24	389432	6280129	BX-3	968	small	3.4	87.1	6.8	234	0.2	20.2	11.4	810	3.73	5.5	1.8
BX3AST25	389400	6280253	BX-3	939	med.	9.1	120.7	6.1	164	0.1	17	21.4	1146	3.42	4.8	3.1
BX3AST26	389236	6280379	BX-3	936	small	6.3	20.7	7.6	127	0.1	26	25.4	1376	4.3	6.9	3.1
BX3AST27	388836	6280433	BX-3	958	small	4.8	49.15	7.95	132	0.1	48.4	22.95	877.5	3.73	8.25	1.25
BX3AST28	388626	6280348	BX-3	982	small	16.4	63.7	6.8	87	0.1	18.1	25	745	3.15	4.8	2.4
BX3AST29	388618	6280353	BX-3	980	med.	39.6	146.9	19.8	180	0.3	12	21.8	962	4.19	4.7	10.2
BX8AST30	387341	6276549	BX-8	420	small	9.3	51.7	16	302	0.3	15.6	14	1356	3.78	4.2	3
98th (RGS)	percentile					72.24	836.732	1107.622	4468.64	4.78	48.272	74.148	4380.18	37.5522	87.718	8.022
95th (RGS)	percentile					36.805	630.035	567.1425	2270.85	3.71	33.7	47.585	3141.9	36.0605	32.615	5.34
Threshold 104B						12	250	70	600	1.3	Unclear	40			90	
Threshold this set						Agree	Agree	160	Agree	Agree	30	Agree			Agree	

APPENDIX G: STREAM SEDIMENT SAMPLE LOCATIONS AND ANALYTICAL DATA

	m	m	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%
Sample	**UTME83**	**UTMN83**	**Au**	**Th**	**Sr**	**Cd**	**Sb**	**Bi**	**V**	**Ca**	**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**
ST AK-1	390000	6279700	451.7	1.7	37	3	1.1	2.7	80	1.38	0.087	11	24.6	1.48	131	0.207
ST AK-2	390212	6279611	610.3	1	20	2.3	0.9	1.3	74	1.52	0.082	5	14.5	1.14	72	0.087
ST AK-3	390350	6278860	318.5	1.7	21	2.8	1.1	9.6	75	0.86	0.105	8	18.5	1.7	144	0.19
ST AK-4	390700	6278845	49	5.9	22	8.8	9.6	3.9	64	0.32	0.09	43	17.7	1.19	365	0.131
BX7AST1	384900	6272745	724.3	2.6	104	0.1	0.6	0.9	28	0.1	0.257	8	4.3	0.45	218	0.087
BX7AST2	384973	6272770	245	2	80	0.1	0.6	1.2	10	0.04	0.117	7	1.8	0.24	157	0.024
BX7AST3	385267	6273074	63.8	1.8	45	< .1	0.5	1.2	13	0.04	0.073	7	3.4	0.32	107	0.027
BX7AST4	385490	6273318	15.3	1.1	16	< .1	0.2	0.1	62	0.08	0.26	2	4.5	0.07	13	0.134
BX7AST5	385499	6273430	27.6	1.2	8	0.1	0.4	0.1	55	0.06	0.298	2	4.7	0.13	4	0.095
BX7AST6	385520	6273400	8.4	0.7	12	0.1	0.4	0.1	57	0.03	0.341	1	2.2	0.05	18	0.055
BX8AST7	388230	6276430	127.7	3.6	34	2.1	0.4	5.5	52	1.07	0.104	9	5.3	0.87	323	0.04
BX8AST8	388245	6276424	47.6	2.8	40	4	0.4	0.8	74	0.71	0.08	18	13.9	0.88	151	0.147
BX9AST9	389435	6275831	71.9	7	32	148.1	0.5	2.6	39	0.44	0.105	17	5.6	0.65	378	0.059
BX9ASTl0	389613	6276000	6.8	7.9	26	3.7	0.4	1.4	69	0.41	0.082	24	3.5	0.66	517	0.058
BX1AST11	389742	6276590	25.1	0.7	10	4.9	2.1	2.1	25	0.18	0.039	1	3.1	0.4	153	0.035
BX1AST12	388792	6277832	265.5	2.7	26	26.2	1	1.7	49	0.65	0.101	10	6.3	3.07	502	0.099
BX1AST13	388690	6277929	67.3	0.8	33	0.4	0.2	1.1	92	0.36	0.106	7	15.6	0.71	50	0.289
BX1AST14	388483	6278684	179.7	2.5	29	1.3	0.4	1.1	72	1.14	0.124	8	7.7	0.58	169	0.044
BX1AST15	388447	6278949	35.4	1.6	12	0.9	0.6	4.3	29	0.32	0.082	5	5	0.27	168	0.011
BX1AST16	388438	6279147	19.6	5.2	28	0.5	0.3	0.9	68	0.45	0.124	22	15.4	0.57	173	0.281
BX2AST17	389918	6278566	70.4	3.4	19.5	4.45	1.75	1.2	68	0.45	0.0785	21	14.65	1.045	204	0.0755
BX10AST18	397887	6281488	226.8	0.9	17	< .1	0.2	1.1	31	0.66	0.069	11	6	0.93	290	0.032
BX3AST19	389714	6279884	36	1.5	45	3.3	0.5	5.2	45	2.63	0.094	8	11.6	1.96	180	0.071
BX3AST20	389674	6279902	992.3	0.9	36	2.7	0.6	2.5	61	1.61	0.1	4	7.7	1.16	138	0.057
BX3AST21	389670	6279906	486	2.9	35	1.3	0.7	2.6	60	0.58	0.101	13	9.3	0.91	197	0.076
BX3AST22	389617	6279993	20.3	4.3	10	0.3	0.7	3.2	32	0.18	0.089	32	9.2	0.38	166	0.052
BX3AST23	389533	6280094	307	2.8	33	1.5	1.4	6.6	54	0.27	0.073	13	6.5	0.76	454	0.041
BX3AST24	389432	6280129	31.2	1.9	25	1.8	0.3	2.8	38	0.27	0.039	18	17.6	0.67	184	0.048
BX3AST25	389400	6280253	38.3	2.3	27	1.1	0.2	1.3	46	0.35	0.048	18	14.4	0.88	209	0.086
BX3AST26	389236	6280379	0.8	4.2	83	0.3	0.3	0.2	64	0.84	0.053	30	21.3	1.23	107	0.373
BX3AST27	388836	6280433	78.8	1.7	4.5	0.25	0.4	1.1	49.5	0.275	0.0755	14.5	36.15	1.095	81	0.0635
BX3AST28	388626	6280348	3.4	2.4	12	0.2	0.3	0.3	39	0.28	0.045	24	17.1	0.83	95	0.108
BX3AST29	388618	6280353	221	4	36	1.3	0.7	0.8	63	0.42	0.079	17	9.9	1.03	762	0.104
BX8AST30	387341	6276549	12.4	2.2	76	2.4	0.3	1.3	67	1.95	0.071	14	17.1	0.9	166	0.201
98th (RGS)	percentile		815.42	7.306	90.14	74.96	4.65	7.62	84.08	1.9568	0.31262	35.74	36.07	2.3374	600.3	0.31756
95th (RGS)	percentile		650.2	6.285	81.05	17.5	1.8725	5.885	76.75	1.5515	0.2733	30.7	28.555	1.791	507.25	0.2838
Threshold 104B			80-90				2									
Threshold this set			Agree				Unclear									

APPENDIX G: STREAM SEDIMENT SAMPLE LOCATIONS AND ANALYTICAL DATA

	m	m	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
Sample	**UTME83**	**UTMN83**	**B**	**Al**	**Na**	**K**	**W**	**Hg**	**Sc**	**Tl**	**S**	**Ga**
ST AK-1	390000	6279700	11	1.98	0.128	0.09	3.8	0.03	5.2	< .1	0.1	7
ST AK-2	390212	6279611	1	1.39	0.024	0.05	1.4	< .01	4.3	< .1	0.36	5
ST AK-3	390350	6278860	1	1.99	0.149	0.12	0.8	< .01	5.7	0.1	0.31	7
ST AK-4	390700	6278845	< 1	2.7	0.063	0.12	0.7	0.04	4.5	0.6	< .05	13
BX7AST1	384900	6272745	1	0.62	0.03	0.08	0.1	0.03	1.5	< .1	0.35	3
BX7AST2	384973	6272770	< 1	0.35	0.016	0.05	0.1	0.02	0.6	< .1	0.18	2
BX7AST3	385267	6273074	< 1	0.47	0.017	0.04	0.1	0.02	0.8	< .1	< .05	2
BX7AST4	385490	6273318	< 1	0.33	0.022	0.02	0.2	0.03	1.6	< .1	1.72	3
BX7AST5	385499	6273430	< 1	0.62	0.015	0.01	0.2	0.04	2.7	< .1	1.13	3
BX7AST6	385520	6273400	< 1	0.33	0.009	0.01	0.1	0.03	2	< .1	1.95	2
BX8AST7	388230	6276430	1	0.94	0.016	0.06	6.7	0.01	2.1	< .1	0.09	3
BX8AST8	388245	6276424	< 1	1.44	0.058	0.08	1.4	0.02	3.1	< .1	< .05	6
BX9AST9	389435	6275831	1	1.28	0.039	0.12	2.8	0.22	2.6	0.1	0.49	4
BX9ASTl0	389613	6276000	< 1	1.12	0.045	0.12	4.1	0.02	2.6	0.1	< .05	3
BX1AST11	389742	6276590	1	0.72	0.014	0.03	0.8	0.26	1.2	< .1	3.45	6
BX1AST12	388792	6277832	12	1.7	0.025	0.06	6.8	0.03	4	0.1	< .05	9
BX1AST13	388690	6277929	1	1.77	0.103	0.08	0.7	0.06	2.9	0.1	0.06	10
BX1AST14	388483	6278684	2	0.82	0.008	0.05	7.1	< .01	2.4	< .1	0.37	3
BX1AST15	388447	6278949	< 1	0.62	0.009	0.09	1	0.02	4	0.1	0.8	2
BX1AST16	388438	6279147	1	2.82	0.084	0.1	0.8	0.05	5.3	0.1	< .05	13
BX2AST17	389918	6278566	1	1.74	0.1435	0.11	0.95	0.025	4.25	0.1	0.075	7.5
BX10AST18	397887	6281488	2	1.49	0.047	0.17	< .1	< .01	6.1	< .1	< .05	6
BX3AST19	389714	6279884	4	1.22	0.044	0.08	2.2	0.02	2.7	< .1	< .05	5
BX3AST20	389674	6279902	1	1.25	0.011	0.04	2.3	0.01	3.1	< .1	0.11	4
BX3AST21	389670	6279906	1	1.38	0.026	0.08	3.5	0.02	3.2	< .1	0.28	6
BX3AST22	389617	6279993	1	1.82	0.016	0.08	0.8	0.04	2.7	0.1	0.08	8
BX3AST23	389533	6280094	1	1.3	0.048	0.19	2.8	0.02	4.2	0.1	0.34	5
BX3AST24	389432	6280129	1	1.26	0.073	0.15	0.3	0.01	2.7	0.1	< .05	5
BX3AST25	389400	6280253	1	1.55	0.08	0.15	0.6	0.01	3.8	0.1	< .05	7
BX3AST26	389236	6280379	1	2.27	0.364	0.18	0.3	0.02	4.4	0.1	< .05	11
BX3AST27	388836	6280433	1	1.835	0.0255	0.1	1.05	0.02	3.8	0.1	0	6.5
BX3AST28	388626	6280348	1	2.09	0.102	0.1	0.6	0.01	3.3	0.1	< .05	7
BX3AST29	388618	6280353	< 1	1.61	0.075	0.16	2.8	0.02	4.2	0.1	0.08	6
BX8AST30	387341	6276549	3	1.54	0.158	0.11	0.6	0.04	3.9	0.1	< .05	6
98th (RGS)	percentile		11.54	2.7408	0.2221	0.1834	6.908	0.2368	5.836	0.43	2.88	13
95th (RGS)	percentile		9.95	2.4205	0.145425	0.1735	6.74	0.148	5.44	0.175	2.025	11.7

Threshold 104B
Threshold this set

APPENDIX H: ANALYTICAL REPLICATES AND PRECISION

Table H-1. Analytical replicates of diamond drill core

	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
599410	1.9	337.9	2.4	39	0.4	2.2	10.1	518	5.72	1.1	0.2	2.8	2.0	3	0.4	0.2	0.3
RE 599410	1.8	362.6	2.3	40	0.4	2.1	10.0	528	5.34	1.1	0.2	3.0	1.9	3	0.5	0.2	0.3
RRE 599410	2.7	346.4	2.5	43	0.4	2.1	9.2	484	5.63	1.1	0.2	3.0	2.0	3	0.6	0.2	0.3
mean	**2.1**	**349.0**	**2.4**	**41**	**0.4**	**2.1**	**9.8**	**510**	**5.56**	**1.1**	**0.2**	**2.9**	**2.0**	**3**	**0.5**	**0.2**	**0.3**
2s	**1.0**	**25.1**	**0.2**	**4**	**0.0**	**0.1**	**1.0**	**46**	**0.40**	**0.0**	**0.0**	**0.2**	**0.1**	**0**	**0.2**	**0.0**	**0.0**
2s frac	**0.5**	**0.1**	**0.1**	**0**	**0.0**	**0.1**	**0.1**	**0**	**0.07**	**0.0**	**0.0**	**0.1**	**0.1**	**0**	**0.4**	**0.0**	**0.0**
599440	119.2	355.9	18.0	74	1.5	< .1	4.1	1052	11.40	1.8	0.9	6.3	2.4	92	0.3	0.6	0.1
RE 599440	121.5	370.8	17.9	76	1.5	0.4	4.4	1075	11.55	1.6	0.9	5.4	2.4	95	0.2	0.6	0.1
RRE 599440	115.6	345.5	17.9	72	1.4	0.6	4.1	1017	10.85	1.3	0.8	2.8	2.2	92	0.2	0.6	0.1
mean	**118.8**	**357.4**	**17.9**	**74**	**1.5**	**0.5**	**4.2**	**1048**	**11.27**	**1.6**	**0.9**	**4.8**	**2.3**	**93**	**0.2**	**0.6**	**0.1**
2s	**5.9**	**25.4**	**0.1**	**4**	**0.1**	**0.3**	**0.3**	**58**	**0.74**	**0.5**	**0.1**	**3.6**	**0.2**	**3**	**0.1**	**0.0**	**0.0**
2s frac	**0.050**	**0.071**	**0.006**	**0.054**	**0.079**	**0.566**	**0.082**	**0.056**	**0.065**	**0.321**	**0.133**	**0.752**	**0.099**	**0.037**	**0.495**	**0.000**	**0.000**
23630	10.6	217.7	29.7	139	0.2	1.8	4.9	228	3.20	1.8	1.3	8.4	5.2	75	0.5	0.4	0.2
RE 23630	11.0	217.1	29.0	136	0.2	1.6	4.8	215	3.11	1.7	1.2	8.8	5.0	75	0.5	0.4	0.2
RRE 23630	10.1	214.4	29.2	139	0.2	1.5	4.8	213	3.16	2.3	1.2	9.6	5.1	73	0.4	0.5	0.2
mean	**10.6**	**216.4**	**29.3**	**138**	**0.2**	**1.6**	**4.8**	**219**	**3.16**	**1.9**	**1.2**	**8.9**	**5.1**	**74**	**0.5**	**0.4**	**0.2**
2s	**0.9**	**3.5**	**0.7**	**3**	**0.0**	**0.3**	**0.1**	**16**	**0.09**	**0.6**	**0.1**	**1.2**	**0.2**	**2**	**0.1**	**0.1**	**0.0**
2s frac	**0.085**	**0.016**	**0.025**	**0.025**	**0.000**	**0.187**	**0.024**	**0.074**	**0.029**	**0.333**	**0.094**	**0.137**	**0.039**	**0.031**	**0.247**	**0.266**	**0.000**
23670	13.3	223.0	36.4	84	0.7	1.5	3.3	470	2.24	0.7	1.0	4.4	3.5	128	0.2	0.4	0.1
RE 23670	13.9	223.5	34.9	80	0.7	1.5	3.3	469	2.22	0.7	1.0	2.8	3.5	126	0.2	0.4	0.1
RRE 23670	13.7	227.9	37.7	85	0.7	1.6	3.4	469	2.29	0.7	1.0	3.6	3.7	127	0.2	0.4	0.1
mean	**13.6**	**224.8**	**36.3**	**83**	**0.7**	**1.5**	**3.3**	**469**	**2.25**	**0.7**	**1.0**	**3.6**	**3.6**	**127**	**0.2**	**0.4**	**0.1**
2s	**0.6**	**5.4**	**2.8**	**5**	**0.0**	**0.1**	**0.1**	**1**	**0.07**	**0.0**	**0.0**	**1.6**	**0.2**	**2**	**0.0**	**0.0**	**0.0**
2s frac	**0.045**	**0.024**	**0.077**	**0.064**	**0.000**	**0.075**	**0.035**	**0.002**	**0.032**	**0.000**	**0.000**	**0.444**	**0.065**	**0.016**	**0.000**	**0.000**	**0.000**
2SD (fractional); in-lab	**0.161**	**0.046**	**0.048**	**0.061**	**0.020**	**0.221**	**0.061**	**0.056**	**0.049**	**0.163**	**0.057**	**0.353**	**0.065**	**0.021**	**0.286**	**0.067**	**0.000**
UNMARKED REPLICATES																	
23644	2.3	560.9	2.5	174	0.1	2.2	10.2	1101	6.31	0.8	0.2	0.8	2.5	87	1.8	0.4	0.2
23645	1.5	648.4	2.6	168	0.1	2.5	8.4	1066	6.35	0.8	0.2	< .5	2.8	62	1.5	0.5	0.2
mean	**1.9**	**604.7**	**2.6**	**171**	**0.1**	**2.4**	**9.3**	**1084**	**6.33**	**0.8**	**0.2**	**0.8**	**2.7**	**75**	**1.7**	**0.5**	**0.2**
2s	**1.1**	**123.7**	**0.1**	**8**	**0.0**	**0.4**	**2.5**	**49**	**0.06**	**0.0**	**0.0**		**0.4**	**35**	**0.4**	**0.1**	**0.0**
2s frac	**0.595**	**0.205**	**0.055**	**0.050**	**0.000**	**0.181**	**0.274**	**0.046**	**0.009**	**0.000**	**0.000**		**0.160**	**0.475**	**0.257**	**0.314**	**0.000**
599438	300.6	470.3	29.9	49	3.8	0.8	8.7	717	15.34	6.6	0.5	37.9	0.6	35	0.2	0.6	0.3
599439	306.0	502.8	26.3	52	3.2	1.4	7.8	796	15.79	6.8	0.5	27.1	0.7	31	< .1	1.1	0.3
mean	**303.3**	**486.6**	**28.1**	**51**	**3.5**	**1.1**	**8.3**	**757**	**15.57**	**6.7**	**0.5**	**32.5**	**0.7**	**33**	**0.2**	**0.9**	**0.3**
2s	**7.6**	**46.0**	**5.1**	**4**	**0.8**	**0.8**	**1.3**	**112**	**0.64**	**0.3**	**0.0**	**15.3**	**0.1**	**6**		**0.7**	**0.0**
2s frac	**0.025**	**0.094**	**0.181**	**0.084**	**0.242**	**0.771**	**0.154**	**0.148**	**0.041**	**0.042**	**0.000**	**0.470**	**0.218**	**0.171**		**0.832**	**0.000**
2SD (fractional); unmarked reps	**0.310**	**0.150**	**0.118**	**0.067**	**0.121**	**0.476**	**0.214**	**0.097**	**0.025**	**0.021**	**0.000**	**0.470**	**0.189**	**0.323**	**0.257**	**0.573**	**0.000**
98th %	279.4	4257.6	992.9	16558	4.4	7.9	36.8	2749	23.15	43.9	2.1	462.4	8.9	286	102.7	2.5	2.0
95th %	111.5	1427.1	398.3	6315	3.5	5.3	26.0	2640	17.60	38.9	1.7	233.3	7.5	203	33.7	2.1	1.8
Selected threshold values	100.0	1100.0	400.0	7000	1.2					15.0		200.0					

Table H-1. Analytical replicates of diamond drill core

	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
599410	46	0.14	0.003	1	9.5	0.09	38	0.015	1	0.47	0.006	0.24	3.3	0.01	0.5	0.1	0.31	4
RE 599410	45	0.13	0.003	1	9.3	0.09	36	0.016	1	0.48	0.005	0.23	3.7	0.01	0.6	0.1	0.32	4
RRE 599410	49	0.13	0.003	1	9.7	0.09	38	0.016	2	0.46	0.005	0.25	2.0	0.01	0.5	0.1	0.28	4
mean	**47**	**0.13**	**0.003**	**1**	**9.5**	**0.09**	**37**	**0.016**	**1**	**0.47**	**0.005**	**0.24**	**3.0**	**0.01**	**0.5**	**0.1**	**0.30**	**4**
2s	**4**	**0.01**	**0.000**	**0**	**0.4**	**0.00**	**2**	**0.001**	**1**	**0.02**	**0.001**	**0.02**	**1.8**	**0.00**	**0.1**	**0.0**	**0.04**	**0**
2s frac	**0**	**0.09**	**0.000**	**0**	**0.0**	**0.00**	**0**	**0.074**	**1**	**0.04**	**0.217**	**0.08**	**0.6**	**0.00**	**0.2**	**0.0**	**0.14**	**0**
599440	116	2.44	0.057	4	8.0	0.44	30	0.068	1	1.13	0.012	0.04	4.6	0.02	1.7	< .1	0.40	11
RE 599440	118	2.51	0.057	5	7.8	0.46	31	0.069	1	1.11	0.012	0.04	4.6	0.01	1.8	< .1	0.45	11
RRE 599440	113	2.40	0.056	4	7.2	0.44	29	0.067	1	1.06	0.012	0.04	4.2	0.01	1.7	< .1	0.42	10
mean	**116**	**2.45**	**0.057**	**4**	**7.7**	**0.45**	**30**	**0.068**	**1**	**1.10**	**0.012**	**0.04**	**4.5**	**0.01**	**1.7**		**0.42**	**11**
2s	**5**	**0.11**	**0.001**	**1**	**0.8**	**0.02**	**2**	**0.002**	**0**	**0.07**	**0.000**	**0.00**	**0.5**	**0.01**	**0.1**		**0.05**	**1**
2s frac	**0.044**	**0.045**	**0.020**	**0.266**	**0.109**	**0.052**	**0.067**	**0.029**	**0.000**	**0.066**	**0.000**	**0.000**	**0.103**	**0.866**	**0.067**		**0.119**	**0.108**
23630	69	0.95	0.110	10	7.6	0.78	51	0.136	3	1.33	0.077	0.15	4.7	0.01	4.1	< .1	0.98	5
RE 23630	68	0.90	0.107	10	7.7	0.76	47	0.128	3	1.32	0.075	0.15	4.6	0.01	3.9	< .1	1.01	4
RRE 23630	67	0.90	0.112	10	8.0	0.79	46	0.130	3	1.36	0.078	0.14	4.9	0.01	4.1	< .1	1.01	4
mean	**68**	**0.92**	**0.110**	**10**	**7.8**	**0.78**	**48**	**0.131**	**3**	**1.34**	**0.077**	**0.15**	**4.7**	**0.01**	**4.0**	< .2	**1.00**	**4**
2s	**2**	**0.06**	**0.005**	**0**	**0.4**	**0.03**	**5**	**0.008**	**0**	**0.04**	**0.003**	**0.01**	**0.3**	**0.00**	**0.2**		**0.03**	**1**
2s frac	**0.029**	**0.063**	**0.046**	**0.000**	**0.054**	**0.039**	**0.110**	**0.063**	**0.000**	**0.031**	**0.040**	**0.079**	**0.065**	**0.000**	**0.057**		**0.035**	**0.266**
23670	43	0.60	0.111	9	8.9	0.67	98	0.079	2	1.32	0.051	0.24	4.4	< .01	3.4	0.1	< .05	4
RE 23670	44	0.60	0.112	9	9.1	0.66	95	0.079	2	1.27	0.051	0.23	4.5	0.01	3.3	0.1	< .05	5
RRE 23670	45	0.58	0.113	9	7.7	0.65	98	0.079	3	1.29	0.049	0.23	3.9	< .01	3.4	0.1	< .05	4
mean	**44**	**0.59**	**0.112**	**9**	**8.6**	**0.66**	**97**	**0.079**	**2**	**1.29**	**0.050**	**0.23**	**4.3**	**0.01**	**3.4**	**0.1**	< .05	**4**
2s	**2**	**0.02**	**0.002**	**0**	**1.5**	**0.02**	**3**	**0.000**	**1**	**0.05**	**0.002**	**0.01**	**0.6**	**0.00**	**0.1**	**0.0**		**1**
2s frac	**0.045**	**0.039**	**0.018**	**0.000**	**0.177**	**0.030**	**0.036**	**0.000**	**0.495**	**0.039**	**0.046**	**0.049**	**0.151**	**0.000**	**0.034**	**0.000**		**0.266**
2SD (fractional); in-lab	**0.052**	**0.058**	**0.021**	**0.067**	**0.095**	**0.030**	**0.069**	**0.042**	**0.340**	**0.045**	**0.076**	**0.053**	**0.228**	**0.217**	**0.094**	**0.000**	**0.097**	**0.160**
UNMARKED REPLICATES																		
23644	49	0.80	0.046	4	10.8	0.56	100	0.047	1	1.35	0.021	0.32	4.9	< .01	3.1	0.1	< .05	7
23645	47	0.65	0.048	4	9.5	0.57	107	0.043	1	1.34	0.024	0.32	4.8	< .01	3.1	0.1	< .05	7
mean	**48**	**0.73**	**0.047**	**4**	**10.2**	**0.57**	**104**	**0.045**	**1**	**1.35**	**0.023**	**0.32**	**4.9**	**0.00**	**3.1**	**0.1**		**7**
2s	**3**	**0.21**	**0.003**	**0**	**1.8**	**0.01**	**10**	**0.006**	**0**	**0.01**	**0.004**	**0.00**	**0.1**	**0.00**	**0.0**	**0.0**		**0**
2s frac	**0.059**	**0.293**	**0.060**	**0.000**	**0.181**	**0.025**	**0.096**	**0.126**	**0.000**	**0.011**	**0.189**	**0.000**	**0.029**	**0.000**	**0.000**	**0.000**		**0.000**
599438	159	3.68	0.023	1	9.9	0.07	14	0.015	< 1	0.48	0.003	< .01	20.8	0.02	0.9	< .1	2.86	13
599439	162	3.75	0.025	1	8.3	0.06	17	0.013	< 1	0.51	0.004	< .01	16.1	0.02	0.7	< .1	2.53	12
mean	**161**	**3.72**	**0.024**	**1**	**9.1**	**0.07**	**16**	**0.014**		**0.50**	**0.004**		**18.5**	**0.02**	**0.8**		**2.70**	**13**
2s	**4**	**0.10**	**0.003**	**0**	**2.3**	**0.01**	**4**	**0.003**		**0.04**	**0.001**		**6.6**	**0.00**	**0.3**		**0.47**	**1**
2s frac	**0.026**	**0.027**	**0.118**	**0.000**	**0.249**	**0.218**	**0.274**	**0.202**		**0.086**	**0.404**		**0.360**	**0.000**	**0.354**		**0.173**	**0.113**
2SD (fractional); unmarked reps	**0.043**	**0.160**	**0.089**	**0.000**	**0.215**	**0.121**	**0.185**	**0.164**	**0.000**	**0.048**	**0.296**	**0.000**	**0.195**	**0.000**	**0.177**	**0.000**	**0.173**	**0.057**
98th %	147	25.00	0.123	14	29.0	10.79	259	0.147	71	2.65	0.095	0.36	25.5	0.12	4.1	#DIV/0!	2.50	19
95th %	119	18.65	0.118	11	15.3	9.14	172	0.136	54	2.03	0.071	0.34	18.2	0.08	4.0	#DIV/0!	2.04	15
Selected threshold values																		

Table H-2. Analytical replicates of soil samples

ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
SAMPLES	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	**ppb**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**
IN-LAB REPLICATES																		
BX-2 1100S 1150E	25.6	236.8	178.2	93	1.1	0.3	1.6	249	4.51	6.2	1.6	32.5	3.6	46	0.4	0.3	4.9	14
RE BX-2 1100S 1150E	25.8	218.9	191.7	99	1.1	0.7	1.6	265	4.56	5.8	1.6	13.8	3.7	47	0.4	0.3	5.0	14
mean	**25.7**	**227.9**	**185.0**	**96**	**1.1**	**0.5**	**1.6**	**257**	**4.54**	**6.0**	**1.6**	**23.2**	**3.7**	**47**	**0.4**	**0.3**	**5.0**	**14**
2SD	**0.3**	**25.3**	**19.1**	**8**	**0.0**	**0.6**	**0.0**	**23**	**0.07**	**0.6**	**0.0**	**26.4**	**0.1**	**1**	**0.0**	**0.0**	**0.1**	**0**
2SD/mean	**0.011**	**0.111**	**0.103**	**0.088**	**0.000**	**1.131**	**0.000**	**0.088**	**0.016**	**0.094**	**0.000**	**1.142**	**0.039**	**0.030**	**0.000**	**0.000**	**0.029**	**0.000**
BX-1 L5+00E 15+50S	3.4	108.7	22.1	98	0.2	12.0	16.3	1380	3.41	7.0	0.8	11.7	1.9	23	0.3	0.5	0.5	69
RE BX-1 L5+00E 15+50S	3.3	109.4	19.6	90	0.2	12.9	18.5	1491	3.66	5.8	0.9	10.2	2.1	25	0.4	0.4	0.5	71
mean	**3.4**	**109.1**	**20.9**	**94**	**0.2**	**12.5**	**17.4**	**1436**	**3.54**	**6.4**	**0.9**	**11.0**	**2.0**	**24**	**0.4**	**0.5**	**0.5**	**70**
2SD	**0.1**	**1.0**	**3.5**	**11**	**0.0**	**1.3**	**3.1**	**157**	**0.35**	**1.7**	**0.1**	**2.1**	**0.3**	**3**	**0.1**	**0.1**	**0.0**	**3**
2SD/mean	**0.042**	**0.009**	**0.170**	**0.120**	**0.000**	**0.102**	**0.179**	**0.109**	**0.100**	**0.265**	**0.166**	**0.194**	**0.141**	**0.118**	**0.404**	**0.314**	**0.000**	**0.040**
BX-1 L23+00S 18+00E	0.5	90.2	3.8	93	< .1	4.4	5.9	998	3.61	2.7	1.0	1.2	4.7	71	0.1	0.7	0.3	23
RE BX-1 L23+00S 18+00E	0.5	90.8	3.9	95	< .1	4.7	5.9	1040	3.82	2.6	1.1	1.4	4.8	71	0.1	0.7	0.3	23
mean	**0.5**	**90.5**	**3.9**	**94**	< .1	**4.6**	**5.9**	**1019**	**3.72**	**2.7**	**1.1**	**1.3**	**4.8**	**71**	**0.1**	**0.7**	**0.3**	**23**
2SD	**0.0**	**0.8**	**0.1**	**3**		**0.4**	**0.0**	**59**	**0.30**	**0.1**	**0.1**	**0.3**	**0.1**	**0**	**0.0**	**0.0**	**0.0**	**0**
2SD/mean	**0.000**	**0.009**	**0.037**	**0.030**		**0.093**	**0.000**	**0.058**	**0.080**	**0.053**	**0.135**	**0.218**	**0.030**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
2SD (fractional); in-lab	**0.018**	**0.043**	**0.103**	**0.080**	**0.000**	**0.442**	**0.060**	**0.085**	**0.065**	**0.138**	**0.100**	**0.518**	**0.070**	**0.049**	**0.135**	**0.105**	**0.010**	**0.013**
UNMARKED REPLICATES																		
BX-2 1200S 1250E	10.0	163.5	68.7	198	1.5	12.0	25.5	1925	5.95	12.3	2.0	41.2	2.8	51	0.9	0.4	2.4	104
BX-2 1200S 250E	15.7	220.2	105.0	252	1.2	10.3	29.9	2721	6.16	16.6	1.8	53.6	3.2	63	1.5	0.7	3.7	86
mean	**12.9**	**191.9**	**86.9**	**225**	**1.4**	**11.2**	**27.7**	**2323**	**6.06**	**14.5**	**1.9**	**47.4**	**3.0**	**57**	**1.2**	**0.6**	**3.1**	**95**
2SD	**8.1**	**80.2**	**51.3**	**76**	**0.4**	**2.4**	**6.2**	**1126**	**0.30**	**6.1**	**0.3**	**17.5**	**0.6**	**17**	**0.8**	**0.4**	**1.8**	**25**
2SD/mean	**0.627**	**0.418**	**0.591**	**0.339**	**0.314**	**0.216**	**0.225**	**0.485**	**0.049**	**0.421**	**0.149**	**0.370**	**0.189**	**0.298**	**0.707**	**0.771**	**0.603**	**0.268**
BX-2 1200S 1300E	10.0	170.4	54.1	232	0.7	8.4	26.1	2405	4.65	14.2	1.4	42.6	3.5	49	1.4	0.6	2.6	62
BX-2 1200S 300E	9.5	156.1	58.6	224	0.8	9.3	26.2	2674	5.36	14.4	1.5	38.0	3.4	48	1.8	0.6	2.7	60
mean	**9.8**	**163.3**	**56.4**	**228**	**0.8**	**8.9**	**26.2**	**2540**	**5.01**	**14.3**	**1.5**	**40.3**	**3.5**	**49**	**1.6**	**0.6**	**2.7**	**61**
2SD	**0.7**	**20.2**	**6.4**	**11**	**0.1**	**1.3**	**0.1**	**380**	**1.00**	**0.3**	**0.1**	**6.5**	**0.1**	**1**	**0.6**	**0.0**	**0.1**	**3**
2SD/mean	**0.073**	**0.124**	**0.113**	**0.050**	**0.189**	**0.144**	**0.005**	**0.150**	**0.201**	**0.020**	**0.098**	**0.161**	**0.041**	**0.029**	**0.354**	**0.000**	**0.053**	**0.046**
2SD (fractional); unmarked reps	**0.350**	**0.271**	**0.352**	**0.195**	**0.251**	**0.180**	**0.115**	**0.317**	**0.125**	**0.220**	**0.123**	**0.266**	**0.115**	**0.163**	**0.530**	**0.386**	**0.328**	**0.157**
98th %, entire population	128.8	2480.8	592.0	4586	3.1	27.3	142.7	5343	18.01	52.1	3.1	359.4	7.2	99	26.5	2.5	11.8	108
95th %, entire population	79.5	1339.1	406.6	1104	2.5	19.1	69.6	4776	13.73	37.2	2.7	236.5	6.8	79	7.8	1.7	9.9	104
Probably anomalous	30.0	450.0	110.0	450								90.0				1.4	4.4	
Anomalous	50.0	700.0	200.0	1500	1.8					26.0		150.0				1.9	9.8	

Table H-2. Analytical replicates of soil samples

ELEMENT	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
SAMPLES	**%**	**%**	**ppm**	**ppm**	**%**	**ppm**	**%**	**ppm**	**%**	**%**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**
IN-LAB REPLICATES																	
BX-2 1100S 1150E	0.17	0.139	28	1.0	0.14	171	0.046	0.0	0.56	0.032	0.51	4	0.02	2.2	0.2	0.92	2
RE BX-2 1100S 1150E	0.17	0.135	29	1.0	0.14	178	0.044	1.0	0.54	0.032	0.52	4	0.01	2.1	0.1	0.91	2
mean	**0.17**	**0.137**	**29**	**1.0**	**0.14**	**175**	**0.045**	**0.5**	**0.55**	**0.032**	**0.52**	**4**	**0.02**	**2.2**	**0.2**	**0.92**	**2**
2SD	**0.00**	**0.006**	**1**	**0.0**	**0.00**	**10**	**0.003**	**1.4**	**0.03**	**0.000**	**0.01**	**0**	**0.01**	**0.1**	**0.1**	**0.01**	**0**
2SD/mean	**0.000**	**0.041**	**0.050**	**0.000**	**0.000**	**0.057**	**0.063**	**2.828**	**0.051**	**0.000**	**0.027**	**0.000**	**0.943**	**0.066**	**0.943**	**0.015**	**0.000**
BX-1 L5+00E 15+50S	0.27	0.110	11	14.6	0.65	90	0.111	0.0	1.90	0.011	0.08	1	0.03	4.1	< .1	< .05	6
RE BX-1 L5+00E 15+50S	0.27	0.106	11	14.9	0.64	87	0.113	1.0	1.94	0.011	0.08	1	0.02	3.7	0.1	< .05	6
mean	**0.27**	**0.108**	**11**	**14.8**	**0.65**	**89**	**0.112**	**0.5**	**1.92**	**0.011**	**0.08**	**1**	**0.03**	**3.9**	**0.1**		**6**
2SD	**0.00**	**0.006**	**0**	**0.4**	**0.01**	**4**	**0.003**	**1.4**	**0.06**	**0.000**	**0.00**	**0**	**0.01**	**0.6**			**0**
2SD/mean	**0.000**	**0.052**	**0.000**	**0.029**	**0.022**	**0.048**	**0.025**	**2.828**	**0.029**	**0.000**	**0.000**	**0.314**	**0.566**	**0.145**			**0.000**
BX-1 L23+00S 18+00E	2.31	0.079	18	3.8	1.06	183	0.003	1.0	1.68	0.002	0.14	1	0.01	1.8	< .1	< .05	4
RE BX-1 L23+00S 18+00E	2.32	0.084	18	4.1	1.07	186	0.003	1.0	1.64	0.003	0.13	1	0.01	1.8	< .1	< .05	4
mean	**2.32**	**0.082**	**18**	**4.0**	**1.07**	**185**	**0.003**	**1.0**	**1.66**	**0.003**	**0.14**	**1**	**0.01**	**1.8**	< .1	< .05	**4**
2SD	**0.01**	**0.007**	**0**	**0.4**	**0.01**	**4**	**0.000**	**0.0**	**0.06**	**0.001**	**0.01**	**0**	**0.00**	**0.0**			**0**
2SD/mean	**0.006**	**0.087**	**0.000**	**0.107**	**0.013**	**0.023**	**0.000**	**0.000**	**0.034**	**0.566**	**0.105**	**0.123**	**0.000**	**0.000**			**0.000**
2SD (fractional); in-lab	**0.002**	**0.060**	**0.017**	**0.045**	**0.012**	**0.043**	**0.029**	**1.886**	**0.038**	**0.189**	**0.044**	**0.146**	**0.503**	**0.070**	**0.943**	**0.015**	**0.000**
UNMARKED REPLICATES																	
BX-2 1200S 1250E	0.55	0.117	20	16.0	1.02	278	0.399	0.0	3.03	0.051	0.09	2	0.03	7.3	0.1	0.07	10
BX-2 1200S 250E	0.50	0.135	16	9.6	1.08	352	0.133	2.0	2.23	0.020	0.10	3	0.03	5.9	0.1	0.15	9
mean	**0.53**	**0.126**	**18**	**12.8**	**1.05**	**315**	**0.266**	**1.0**	**2.63**	**0.036**	**0.10**	**3**	**0.03**	**6.6**	**0.1**	**0.11**	**10**
2SD	**0.07**	**0.025**	**6**	**9.1**	**0.08**	**105**	**0.376**	**2.8**	**1.13**	**0.044**	**0.01**	**2**	**0.00**	**2.0**	**0.0**	**0.11**	**1**
2SD/mean	**0.135**	**0.202**	**0.314**	**0.707**	**0.081**	**0.332**	**1.414**	**2.828**	**0.430**	**1.235**	**0.149**	**0.733**	**0.000**	**0.300**	**0.000**	**1.029**	**0.149**
BX-2 1200S 1300E	0.56	0.101	17	7.6	0.80	348	0.085	1.0	1.75	0.021	0.11	7	0.02	5.3	0.1	< .05	8
BX-2 1200S 300E	0.53	0.117	19	8.4	0.87	425	0.083	1.0	1.81	0.016	0.10	5	0.02	5.0	0.1	< .05	8
mean	**0.55**	**0.109**	**18**	**8.0**	**0.84**	**387**	**0.084**	**1.0**	**1.78**	**0.019**	**0.11**	**6**	**0.02**	**5.2**	**0.1**		**8**
2SD	**0.04**	**0.023**	**3**	**1.1**	**0.10**	**109**	**0.003**	**0.0**	**0.08**	**0.007**	**0.01**	**2**	**0.00**	**0.4**	**0.0**		**0**
2SD/mean	**0.078**	**0.208**	**0.157**	**0.141**	**0.119**	**0.282**	**0.034**	**0.000**	**0.048**	**0.382**	**0.135**	**0.418**	**0.000**	**0.082**	**0.000**		**0.000**
2SD (fractional); unmarked reps	**0.106**	**0.205**	**0.236**	**0.424**	**0.100**	**0.307**	**0.724**	**1.414**	**0.239**	**0.809**	**0.142**	**0.576**	**0.000**	**0.191**	**0.000**	**1.029**	**0.074**
98th %, entire population	4.12	0.213	29	22.4	4.25	734	0.407	23.2	2.99	0.198	0.35	23	0.12	8.1	0.2		21
95th %, entire population	2.63	0.193	25	19.9	2.97	623	0.337	15.0	2.63	0.105	0.18	13	0.10	7.4	0.1		16
Probably anomalous																	
Anomalous																	

APPENDIX I: BUDGET FOR PROPOSED EXPLORATION

APPENDIX I: BUDGET FOR PROPOSED EXPLORATION (CDN$)
SUMMARY

ITEM	UNITS		UNIT COST	TOTAL
Phase 1				
Preparation	10	days		4,250.00
7 man crew for 42 days	42	days	1,825	76,650.00
Mobilization				14,745.00
Expediting fees				9,345.00
Helicopter transportation	30	hours	1,000	30,000.00
Truck transportation				500.00
Analytical fees				5,000.00
Camp costs	294	man days	35	10,290.00
Fuel				500.00
Equipment				6,500.00
Miscellaneous				1,000.00
Total Phase 1				**157,780.00**
Phase 2				
7 man crew for 14 days	14	days	1,825	25,550.00
Drilling	5,000	feet	35	175,000.00
Expediting fees				4,445.00
Helicopter transportation	27	hours	1,000	27,000.00
Truck transportation				500.00
Analytical fees				23,000.00
Camp costs	154	man days	35	5,390.00
Fuel				500.00
Equipment				500.00
Demobilization				9,515.00
Report	15	days	425	6,375.00
Miscellaneous				1,000.00
Total Phase 2				**278,775.00**
Total labour w/o GST				112,825.00
Total non-labour costs				323,730.00
Subtotal				436,555.00
10% contingency				43,655.50
TOTAL 2003 BX EXPLORATION BUDGET				**480,210.50**