FINAL REPORT on the

EAGLE Project, B.C.

16 December, 1996

FINAL REPORT

on the

EAGLE Project, British Columbia

comprising the

EAGLE 1-6 Claims

For

Birch Mountain Resources Ltd.

By

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OWNER AND OPERATOR:	Birch Mountain Res. Ltd.
N.T.S.:	93N/02
PROVINCE:	British Columbia
LATITUDE:	55°12' N
LONGITUDE:	124°52' W
MINING DIVISION:	Omineca
DATE:	December 16, 1996

Executive Summary

An exploration program was conducted by Birch Mountain Resources Ltd. on the EAGLE 1-6 claims, located about 110 km north of Fort St. James, B.C. from July to October, 1996. The property is accessible by road and boat, or by air.

The EAGLE claims are underlain by diorite and granodiorite of the Upper Triassic to Lower Jurassic Hogem Batholith. In the western part of the EAGLE 4 claim, the intrusive rocks are in contact with hornfelsed volcanic rocks of the Takla Group which are also of Upper Triassic to Lower Jurassic age.

The property was previously explored from about 1966 to 1991 and has been the object of several I.P. surveys, soil geochemical surveys and two phases of diamond drilling.

Three areas of mineralization have been identified along a northwest-trending shear zone, each about 1.5 km apart: the Vector, Mid and Nighthawk Zones, collectively referred to as the Main Zone. Mineralization consists of chalcopyrite, pyrite, malachite and minor azurite along fractures and shear zones. Some of this mineralization is accompanied by potassic and clay-sericite hydrothermal alteration.

In the southwest part of the claims, galena, sphalerite and chalcopyrite are present in fracture zones along the contact between the diorite and volcanic rocks in the Gibson Zone.

The 1996 program consisted of geological, geochemical, geophysical surveys. The geophysical conductors were tested by completing 1838.6m of diamond drilling in three fences of two holes each.

The geological investigations determined that three main structural elements are present on the property: a right-lateral shear pattern trending northwest and dipping steeply to the south was followed by an east-west left-lateral structure dipping about 70°S. Most recently, a weaker north-south right-lateral structure affected part of the property.

Soil sampling at 25m intervals was conducted along some of the new grid lines, mostly in the Nighthawk and Vector Zones. Geochemical analyses were conducted for gold, copper and 14 other elements. Only weak, isolated gold anomalies were identified during this survey.

Small grids of 3x3 or 5x5 sites were sampled at intervals of 25m over most of the gold anomalies identified by the previous operator. All of the new gold anomalies identified by these surveys are within the known zones of mineralization at the Main and Gibson Zones. None of the old gold anomalies outside of these zones of mineralization were confirmed.

Rock chip sampling in two sections for each of the Nighthawk Zone and the Vector Zone shows that copper mineralization is highly anomalous but variable both along and across

the shear zones. The gold values usually correlate well with the copper, but are much more variable.

Results of a soil geochemical survey on the EAGLE 6 claim show that copper and arsenic anomalies are present in the southwest part of the claim, near the Nighthawk Zone. All of the values for gold were low.

The geophysical surveys consisted of Max-Min and magnetometer surveys over the Gibson, Vector, Mid and Nighthawk Zones. Many conductors striking northwest and east-west were identified over most of the surveyed areas. The steep dips to the southwest and south correlate well with the structural data identified in outcrops.

Two fences of two holes each were drilled in the Nighthawk Zone and one fence in the Vector Zone with azimuths of 042° and dips of -45° and -65°. Most of the holes intersected faults or shear zones dipping 75-88°W where geophysical conductors were expected. Clay-sericite and potassic hydrothermal alteration were identified along many of these fault zones. The potassic alteration appears to be more prevalent at depth, and the clay-sericite alteration zones are more common near surface.

Thin zones of gold and copper mineralization are associated with the weak sulphide enrichment identified mostly near shear zones. Below the 700m elevation level, the drill holes at the Vector Zone intersected wider zones of sulphide enrichment and sections containing up to about 1.1 g/t Au over 1.0m, 4.4 g/t Au over 0.8m, and 0.18% Cu over 1.1m. Because they were drilled at a higher elevation, the holes at the Nighthawk Zone may not have reached this area of increased sulphides. The zones of potassic alteration contain more than four times the copper and nearly twice the gold than the sections with chlorite or chlorite-epidote alteration.

The work conducted at the EAGLE property has shown that the diorite has been hydrothermally altered over a length of at least 2.5 km along a shear system striking northwest and this alteration zone may extend further to the southeast. The drilling program has revealed that the gold and copper mineralization appears to increase with depth. The mineralization has been remobilized along secondary fractures during subsequent structural events and may have been concentrated at surface as a result of the evaporation of the carbonate-rich hydrothermal fluids. This could account for the presence of malachite and azurite.

Because the surface showings are controlled by the fault zones which have remobilized the mineralization and have acted as conduits for some of the fluids, additional exploration should concentrate on identifying the zones of hydrothermal alteration and sulphide enrichment at depths of about 200m using geophysical surveys. These surveys should also be conducted in areas where faults are absent and surface expressions of the mineralization is consequently absent.

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1. INTRODUCTION

The purpose of this report is to describe the field activities conducted by Birch Mountain Resources Ltd. on the EAGLE property in north-central British Columbia during the 1996 field season (Fig. 1.1). The property consists of the EAGLE 1-6 claims and is located in the Omineca Mining Division, British Columbia.

The most common exploration target in this region has been copper-gold deposits associated with the alkalic porphyritic intrusions. One of the most significant discoveries in the region was the Mount Milligan porphyry copper-gold deposit, located about 50 km east of the EAGLE property. This deposit has been estimated to contain a mineral reserve of 400 million tonnes of 0.48 g/t Au and 0.2% Cu (DeLong et al., 1991). The deposit has also been reported to contain high-grade gold veins within shear zones which are peripheral to the porphyry copper-gold deposit.

Recent work on the EAGLE property was done in 1966 by West Coast Mining and Exploration Company. From the early 1970's to 1991, the property was intermittently explored by Noranda Exploration Company Ltd.

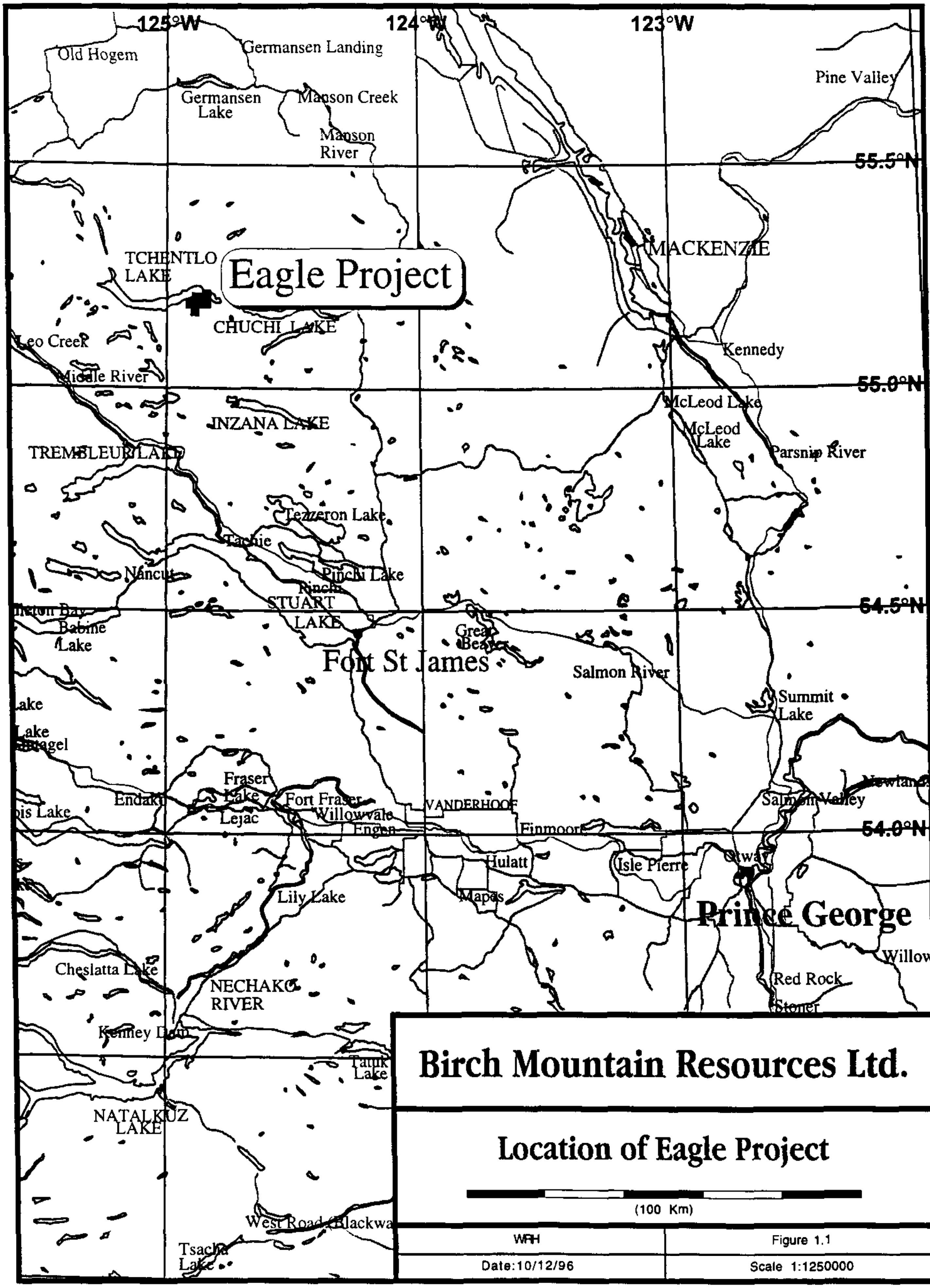
Birch Mountain Resources Ltd. optioned the property in 1996 from A.D. Halleran, and staked the EAGLE 6 claim. The company carried out an exploration program of line cutting, geological mapping, geophysical and geochemical surveys, and diamond drilling from July to October, 1996.

The 1996 field crew consisted of five geologists and assistants, D.A. Beauchamp, S.X. Fan, B.G. Johnson, E. Washburn, and S. Reimond, as well as a cook and a camp manager. The geophysical survey was done by Associated Mining Consultants Ltd. and Connors Drilling Ltd. was contracted to carry out the diamond drilling in early Fall.

This report is based on the writers' field work and the interpretation of geochemical results.

2. PROPERTY DESCRIPTION

This report covers work conducted on several claims. The particulars of the claims are listed in Table 2.1 and shown in Fig. 2.1. The EAGLE 6 claim was staked by Birch Mountain Resources in May 1996.

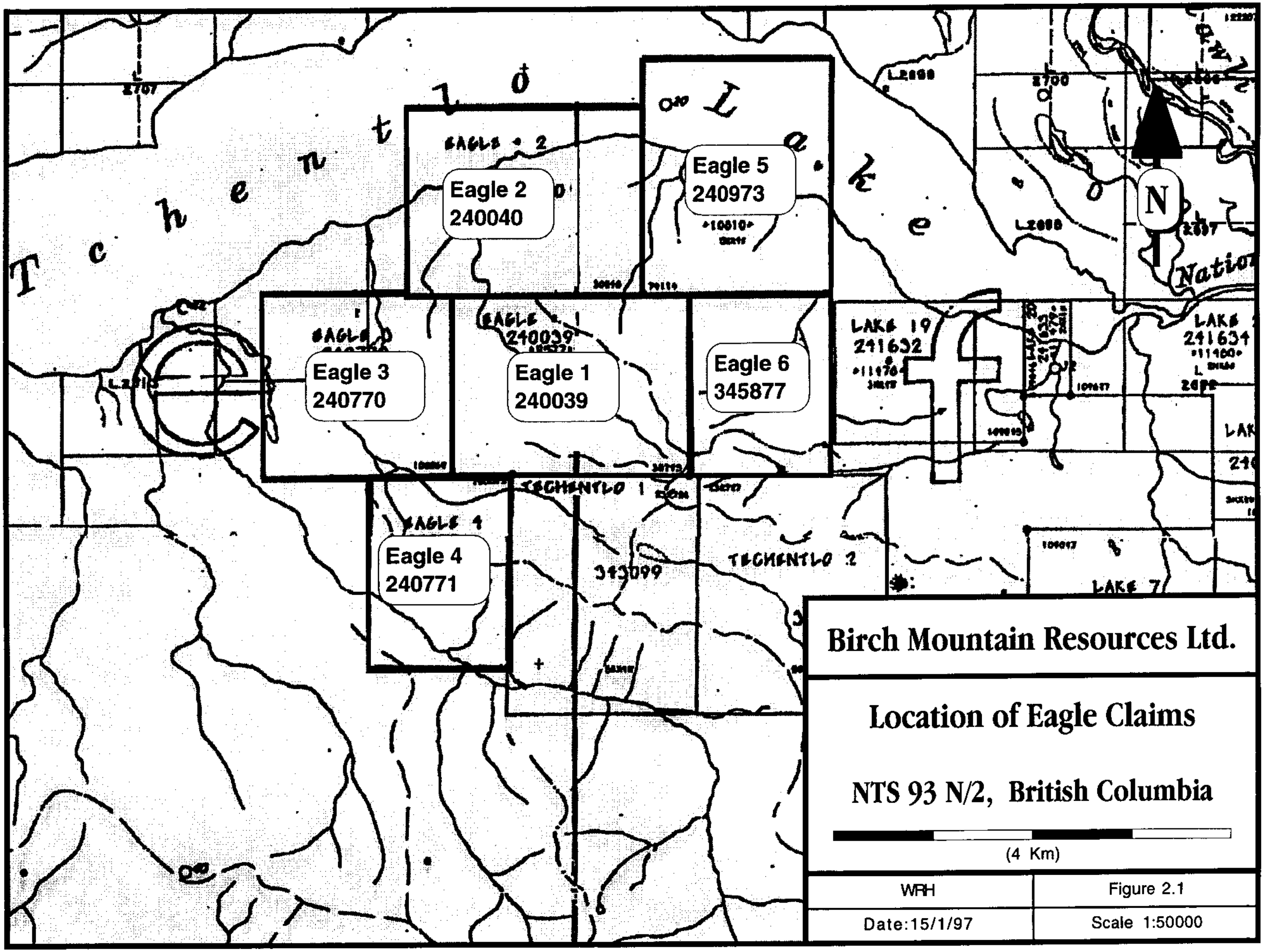


Birch Mountain Resources Ltd.

Location of Eagle Project

(100 Km)

WRH	Figure 1.1
Date:10/12/96	Scale 1:1250000



Birch Mountain Resources Ltd.

Location of Eagle Claims

NTS 93 N/2, British Columbia

(4 Km)

WRH	Figure 2.1
Date:15/1/97	Scale 1:50000

Table 2.1: Claim Status

Claim Name	No. Units	Record No.	Expiry Date	Owner
EAGLE 1	20	240039	22 July 2001	Birch Mountain Resources Ltd.
EAGLE 2	20	240040	22 July 2001	Birch Mountain Resources Ltd.
EAGLE 3	16	240770	4 June 2001	Birch Mountain Resources Ltd.
EAGLE 4	12	240771	4 June 2001	Birch Mountain Resources Ltd.
EAGLE 5	20	240973	5 June 1998	Birch Mountain Resources Ltd.
EAGLE 6	12	345877	15 May 1997	Birch Mountain Resources Ltd.

3. LOCATION

The EAGLE property is located about 110 km north of Fort St. James and about 210 km northwest of Prince George, British Columbia. The geographic coordinates of the property are approximately 55°12' N latitude and 124°52' W longitude on NTS map sheet 93N/02 .

4. ACCESS

Access to the area is by road, rail or airline to Prince George. From there, a two-hour drive west is required to get to Fort St. James which offers many basic services such as food stores, fuel and lumber supplies, and small float-equipped aircraft charter companies.

Access to the property is by aircraft, or by road and boat. The Cessna or Beaver aircraft takes about 40 minutes to reach the property from the Stuart Lake base, located a few kilometres south of Fort St. James.

By road, the property is accessible from Fort St. James by a two-hour trip along good logging roads to Tchentlo Lodge at the west end of Tchentlo Lake. From there, a one-hour boat trip east for 23 km leads to the camp site on the south shore of the lake.

Bell 206 and Astar helicopters are based in Fort St. James, and also in MacKenzie which is about 30 to 40 minutes by air northeast of camp.

Transportation within the property was provided by two eight-wheel Argo ATVs. These vehicles were used along a dirt road which had last been used in 1991 by Noranda. The road provided good access to all of the areas of interest on the claims.

An all-weather logging road located about 15 km southwest of the property could be extended to the EAGLE property if required in the future.

5. PHYSIOGRAPHY AND CLIMATE

The terrain is mountainous and elevations range from 870m to 1472m a.s.l. The slopes are generally intermediate to steep. The property slopes to the north and northwest from a high point at the south end of the claims.

The vegetation is represented by mature spruce, pine and fir in the lower areas. Scrub spruce, pine and slide alder become dominant in the upper areas of the hill. There are also a few swampy areas that contain lichen and Devil's Club.

A typical field season lasts from early June to late October, during which the weather is warm in daytime but cool at night. A publication from the Ministry of Forests described the weather in this area as being "unusually cool and moist" for this part of the country. The 1996 season proved this out, as we had few days considered hot, and at times, rain appeared to be never-ending.

6. PREVIOUS EXPLORATION

In 1966, the West Coast Mining and Exploration Company completed an I.P. survey over the Nighthawk copper showings which delineated a steeply westward-dipping responsive body, with an estimated thickness of 30-60m (Stewart et al., 1989).

A second I.P. survey was carried out in 1967 to cover an expanded grid in the areas surrounding the Nighthawk showings. The survey outlined three primary anomalies, one of which is located over the Nighthawk Zone and was interpreted to be dipping steeply eastward.

In 1971, the Noranda Exploration Company Ltd. optioned the property and conducted EM, magnetometer, I.P. and geochemical surveys at about 300m line spacing and 30-60m sample spacing. Samples were assayed for copper only. The soil sampling and geophysical surveys outlined several anomalous areas, and small copper showings were associated with north-trending shear zones. Based on the drill core found on the property, approximately 915m of diamond drilling were completed around the Nighthawk showing in 1971 and 1974, however the drill logs are not available (Stewart et al., 1989).

In July 1988, A.D. Halleran staked the EAGLE 1 and EAGLE 2 claims on the basis of the area's known copper showings, aeromagnetic signature and similarity to the Mount Milligan property. Noranda optioned the EAGLE 1 and EAGLE 2 claims, and staked the EAGLE 3, 4 and 5 claims for A.D. Halleran as part of the option agreement.

Noranda conducted an exploration program on the property in 1989, including 56.6 km of line cutting, 34.7 km of magnetometer and 13.0 km of I.P. surveys. They also collected 1362 B horizon soil samples. The program identified three significant copper-gold showings: the Nighthawk Zone, the Mid Zone, and the Vector Zone, collectively referred to as the Main Zone. All showings occur within highly potassic-chloritic-altered diorite/monzo-diorite (Stewart et al., 1989).

In 1990, Noranda continued its exploration work on the property with more detailed geological, geochemical and I.P. surveys designed to evaluate the size, potential and precious metal content of the known mineralizing system (Stewart, 1991a). The surveys were carried out at 400m line spacing and 50m sample spacing to cover most of the EAGLE 1-5 claims.

The I.P. survey extended the 1989 anomalies from the Mid Zone to the Nighthawk Zone. The first phase of the 1990 geochemical survey outlined a highly anomalous zone to the west of the Eagle Grid in an area close to the contact zone between the Hogem Batholith and the Takla Group. The anomalous zone was followed up by staking the EAGLE 6 and EAGLE 7 claims to cover the Gibson Grid and the surrounding area. (Note: EAGLE 6 and EAGLE 7 claims lapsed in July 1991; the EAGLE 6 claim in this report covers an area to the east of the EAGLE 1 whereas the former EAGLE 6 was to the west of EAGLE 4 (Fig. 2.1) where the Gibson Zone is located.)

A hand trench about 2m long x 1m deep x 1m wide dug on the Gibson Grid led to the discovery of the Gibson Zone. The showing was then followed up by geochemical, geological and I.P. surveys. The 1990 project delineated several drill targets on both the Main Zone and the Gibson Zone and identified "the presence of a large Cu-Au bearing system with a very good tonnage potential on the Eagle Grid and a Pb-Ag-Au bearing system on the Gibson Grid that appears to be part of a peripheral vein system" (Stewart, 1991a).

In 1991, Noranda conducted diamond drilling to test several coincident magnetic, induced polarization (I.P.) and geochemical anomalies associated with known mineralization on both the Main Zone and the Gibson Zone. The program consisted of 1483.3m of diamond drilling in 17 holes, of which 9 holes (657.3m) were drilled to test the Gibson showing and strong multi-element soil geochemical and I.P. anomalies.

All the drill holes at the Gibson Zone intersected significant sections of intense clay-sericite-quartz alteration and mineralized volcanic rocks consisting of pyrite, galena and sphalerite (Stewart, 1991b).

The other eight holes were drilled on the Main Zone to test large, moderate to strong chargeability anomalies on the Nighthawk and Vector Zones (Stewart,1991b). Four holes drilled on the Nighthawk and Vector Zones intersected significant copper-gold porphyry-style mineralization over moderate widths with visible chalcopyrite and bornite in sulphide stringers and disseminations. The other four holes drilled in the area near the Nighthawk Zone intersected intense magnetite-biotite-altered diorite with trace chalcopyrite, bornite and 1% pyrite, indicating that a strong component of the I.P. response was caused by the pervasive magnetite flooding.

The 1991 diamond drilling program concluded that a fairly large alteration and mineralizing system is present as a high-grade, multi-directional gold-silver-lead-zinc peripheral vein system on the Gibson Zone. The potential for a copper-gold hydothermal system is present on the Main Zone and requires follow-up work.

7. WORK CONDUCTED DONE IN 1996

In 1996, Birch Mountain Resources Ltd. entered into an agreement with A.D. Halleran to further explore the property. A new claim, EAGLE 6, was staked to the east of EAGLE 1 in May 1996.

Initially, geological mapping, soil geochemical surveys, magnetometer and Max-Min surveys were carried out. The grid was set up using the Noranda base line, and new lines were cut.

Soil geochemical surveys were carried out over all the gold anomalies previously identified by Noranda on the Main and Gibson Zones. Sampling was conducted at 25m spacing in 3x3 or 5x5 mini-grids depending on the magnitude of the anomaly to be resampled.

Infill soil samples were also taken at 25m spacing on the Main Zone between the original Noranda grid lines. In addition, rock samples, chip samples and a few stream sediment samples were collected and submitted for analysis.

On the Main Zone, 44.15 km of lines were cut at 100m spacing, from a base line trending 312°. This grid was extended to the Gibson Zone where 8.2 km of lines were cut. A ground magnetometer survey and a horizontal loop (Max-Min) survey were conducted along these grids by geophysical contractors during July and August, 1996.

A prospecting and mapping program was conducted on the EAGLE 6 claim property in August 1996. Seventy-two B horizon soil samples, 36 rock samples and 7 stream samples were collected and sent to the lab for assaying of gold and a suite of 15 elements. The soil samples were collected along traverse lines at 250m spacing about 200m apart, and rock samples were taken from outcrops located along the traverses. All sample locations were marked with flagging tape and outcrops were mapped.

In early September 1996, 1838.6m of diamond drilling were completed in three fences of two holes each. Two holes were drilled on the Vector Zone and four holes were drilled on the Nighthawk Zone. A total of 321 split core samples was sent to the laboratory for gold and 15-element ICP (induced coupled plasma) analysis.

8. REGIONAL GEOLOGY

The property is located within the Quesnel Trough, which is a large regional northwest-trending structure bounded on both sides by major strike-slip faults. The Quesnel Trough is a subdivision of the Intermontane Tectonic Belt, which is a sequence of sedimentary and volcanic rocks that can be traced southward to the United States.

The Pinchi Fault zone marks the southwest boundary of the Quesnel Trough, and separates the Permian Cache Creek Group on the southwest from the Upper Triassic-Lower Jurassic Takla Group and Hogem Batholith to the northeast.

The Manson Fault zone marks the northeastern boundary of the Quesnel Trough, and separates the Takla Group and the Hogem Batholith on the southwest from the older uplifted Wolverine Complex of Late Paleozoic age to the northeast (Garnett, 1978).

Block faulting and tilting are the dominant structural styles in and around the Quesnel Trough. Based on the presence of Triassic blueschists along the Pinchi Fault, a subduction zone may lie west of the Takla arc (Nelson et al., 1991). Folding of probable late Triassic to early Jurassic age is generally restricted to the eastern margin of the Trough near its boundary with the Omineca Crystalline Belt. Two discrete phases of coaxial folding are present in the region as shown by the presence of overturned beds in the hinges of large scale F2 upright folds, indicating tight, recumbent refolded F1 hinges.

Regionally, the area is underlain by Upper Triassic to Lower Cretaceous rocks of the Takla Group which have been intruded and hornfelsed by felsic to ultramafic stocks and batholiths of Upper Triassic to Lower Cretaceous age.

In their work about 50 km to the east of the EAGLE claims, Nelson et al. (1991) subdivided the Takla Group into four formations consisting mostly of siltstone, argillite and tuff with minor agglomerate and flows.

The intrusive rocks are mostly Omineca intrusions of granite, granodiorite, quartz diorite, diorite, syenite, gabbro and pyroxenite. The Hogem Batholith is the largest intrusive body of the Omineca intrusions, and is considered to be an intrusive equivalent of at least part of the Takla Group (Garnett, 1978).

Garnett (1978) divided the Hogem Batholith into three distinct phases (Table 8.1). Phase I, dated at 176-212 Ma, consists of the Hogem basic suite and the Hogem granodiorite, and represents the main intrusive event. Phase II, comprising Duckling Creek and Chuchi syenite bodies, is dated at 162-182 Ma. Although there is some age overlap, it is thought to be distinctly younger than Phase I on the basis of field observations. Phase III granite is dated at 108-126 Ma and occurs as relatively small isolated stocks.

The Phase I Hogem granodiorite and the Phase III granite are interpreted to be calc-alkaline (sub-alkaline), while the Phase I basic suite is predominantly alkaline but near the alkaline/subalkaline boundary. The Phase II syenite is alkaline (Garnett, 1978).

Gold and copper-gold occurrences are spatially associated with the Phase II syenite and Phase I basic suite plutons and with Triassic-Jurassic volcanic rocks of the Takla Group. Copper-molybdenum occurrences are mainly associated with Phase III granitic bodies.

Table 8.1: Table of Formations

Quaternary		
Qal	Glacial deposits	Unconsolidated gravel and till
Lower Cretaceous		
Phase III Southern Hogem Batholith		
9		Leucrocratic granite, alaskite
Lower Jurassic - Middle Jurassic		
Phase II Southern Hogem Batholith		
8	Chuchi Syenite	Leucocratic syenite, quartz syenite
7	Duckling Creek Syenite Complex	Leucocratic syenite
6		Foliated syenite
Upper Triassic to Lower Jurassic		
Phase I Southern Hogem Batholith		
5	Hogem Granodiorite	Granodiorite, quartz monzonite, minor quartz diorite, monzonite, granite
4	Hogem Basic Suite	Monzonite and quartz monzonite
3		Monzonite and quartz monzonite
2		Nation Lakes plagioclase porphyry: monzonite and monzodiorite
1		Diorite, minor gabbro, pyroxenite, hornblendite

(modified from Garnett, 1978)

9. LOCAL GEOLOGY

The EAGLE property is underlain mostly by rocks of the Hogem Batholith basic suite. The contact with the Takla Group volcanic rocks extends through the EAGLE 4 claim.

The dominant intrusive phase on the property is a medium-grey, equigranular, medium-grained diorite, consisting of 70-80% plagioclase, 5-10% hornblende, 5-10% augite, 2-5% magnetite and 1-5% biotite, with minor or trace chlorite, epidote and actinolite.

Another less common phase is a light- to medium-grey, coarse- to medium-grained monzonite, consisting of 50-60% plagioclase, 5-20% K-feldspar, 5-10% hornblende, 5-10% augite, 2-5% magnetite and 1-5% biotite, with minor or trace chlorite, apatite, tourmaline and epidote. Rock sample R3032, from an outcrop near the Nighthawk Zone (Fig. 13.6), may originally have been a gabbro and that has since been affected by potassic metasomatism and other alterations (Skupinski, 1996).

The basic suite of diorite/monzonite grades into quartz diorite and granodiorite over a few tens of metres to the northeast part of the claims. This phase is light grey to creamy white and medium- to coarse-grained. It contains 50-60% plagioclase, 5-20% K-feldspar, 5-10% hornblende, 5-10% pyroxene, 5-10% quartz, 1-10% biotite and 1-5% magnetite, with minor or trace sphene, epidote and apatite.

Skupinski (1996) indicates that the composition and texture of mafic enclaves within sample R3037 show a strong resemblance to a gabbroic body (Appendix 5). He further suggests that the rock could be interpreted as a product of anatectic melting from gabbroic parent rocks.

Near the Mid Zone, an irregularly-shaped intrusive body of dark grey, coarse-grained gabbro contains 60-70% plagioclase, 20-30% pyroxene, 5-10% magnetite and 2-5% biotite, with minor hornblende, chlorite, epidote, hypersthene and actinolite. The gabbro (R0014) from a Mid Zone outcrop, may represent the original unaltered part of the pluton Skupinski (1996) .

The contact zone between the Hogem Batholith and the Takla volcanic rocks is present in the northeast part of the Gibson Zone. The volcanic rocks are hornfelsed at the contact zone and generally contain 2-5% disseminated pyrite and trace chalcopyrite. The Hogem diorite near the contact is usually altered and contains minor or trace pyrite, chalcopyrite and malachite. Away from the contact, the volcanic rocks are generally light purple to medium-grey fine-grained and hornfelsed. In some areas, remnant banding can be observed in the volcanics, indicating that the rocks may have been volcanic tuffs.

Sulphides observed on the property, especially in the Hogem diorite, are generally associated with potassic and chlorite alteration, and sometimes with epidote and carbonate alterations as well. Iron-stained gossan trails, ranging from a few centimetres to a few tens of centimetres wide, are commonly seen in the Vector, Nighthawk and Mid Zones, and are generally associated with fractures.

10. STRUCTURAL GEOLOGY

10.1 Overview

The intrusive rocks of the Hogem Batholith on the Main Zone and the volcanic rocks of the Takla Group on the Gibson Zone are moderately fractured, with some intensive fracturing and shearing. Striations on slickensides, where observed, are generally subhorizontal or plunge moderately, suggesting a dominant strike-slip movement on the fractures and shear zones. Both brittle and ductile deformations were observed along most of the structures, indicating that a semi-brittle deformation regime had been reached in the area.

The structural mapping on the property identified three main fracture sets. The orientation of these fracture sets trends NW (about 320°), E-W (about 272°) and N-S (about 002°), with some less dominant fracture sets trending northeasterly to southeasterly.

10.2 Fracture Orientations

About 300 fractures were observed and measured from outcrops throughout the property. Figure 10.1 shows the fracture orientation on the property and in the individual zones.

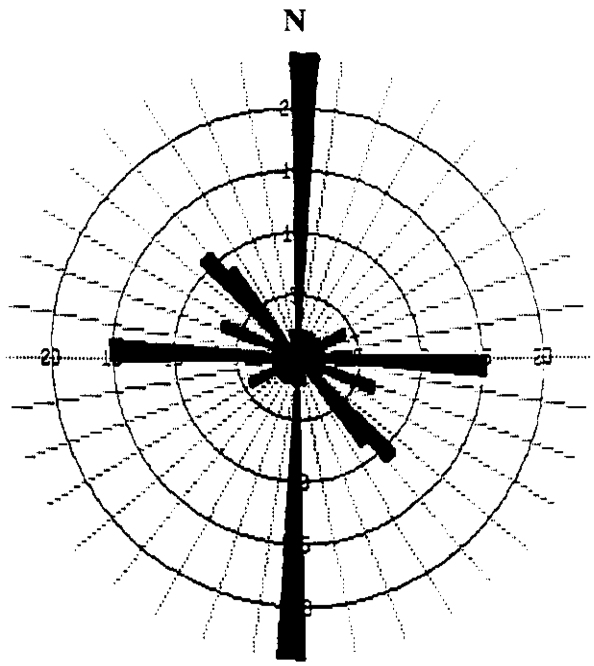
In the Vector Zone, 46 fractures were measured. The rose diagram indicates that the predominant set trends approximately N-S (about 002°), and two other main sets trend E-W (about 272°) and NW (about 318°).

In the Nighthawk Zone, 21 fractures were observed and the predominant set trends approximately E-W (about 272°), with another main set trending NW (about 315°).

In the Mid Zone, 43 fractures were measured and the predominant set trends N-NE (about 022°). Two other main sets trend E-W (about 272°) and NW (about 322°).

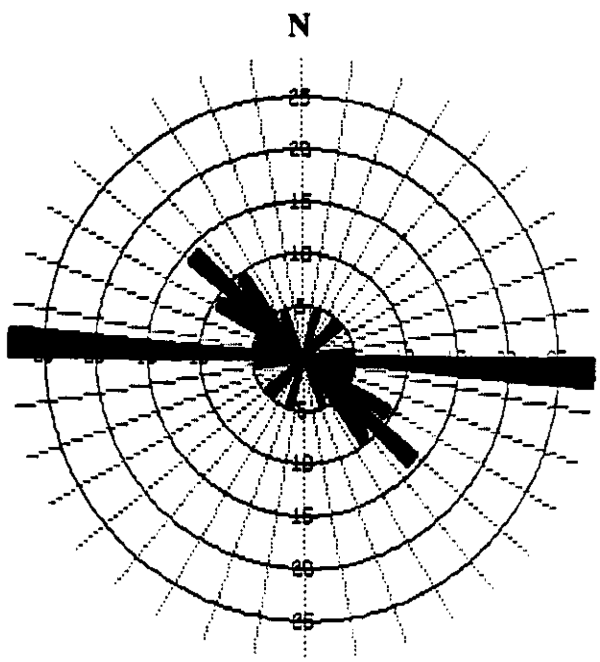
At the Gibson Zone, 67 fractures were measured. The predominant set trends NW (about 320°) and a few other sets trend NE, E-W and SE.

At the EAGLE 6 claim, 77 fractures were measured. The rose diagram looks similar to that of the Gibson Zone, showing that the predominant set also trends NW (about 320°) with a few other sets trending E-W, NE and SE.



FRACTURE ORIENTATION IN VECTOR

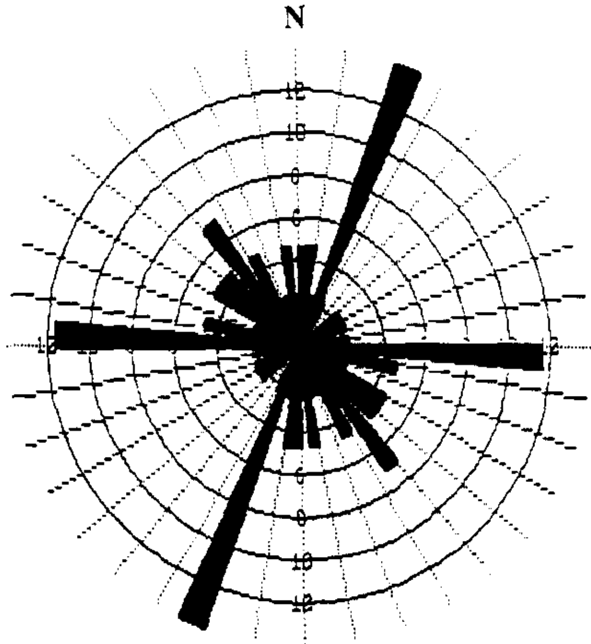
Calculation Method	Frequency
Class Interval	5 Degrees
Filtering	Deactivated
Data Type	Bidirectional
Rotation Amount	0.0 Degrees
Population	46
Maximum Percentage	23.9 Percent
Mean Percentage	4.9 Percent
Standard Deviation	4.92 Percent
Vector Mean	319.81 Degrees
Confidence Interval	67.43 Degrees
R-mag	0.17



Fracture Orientation in Nighthawk

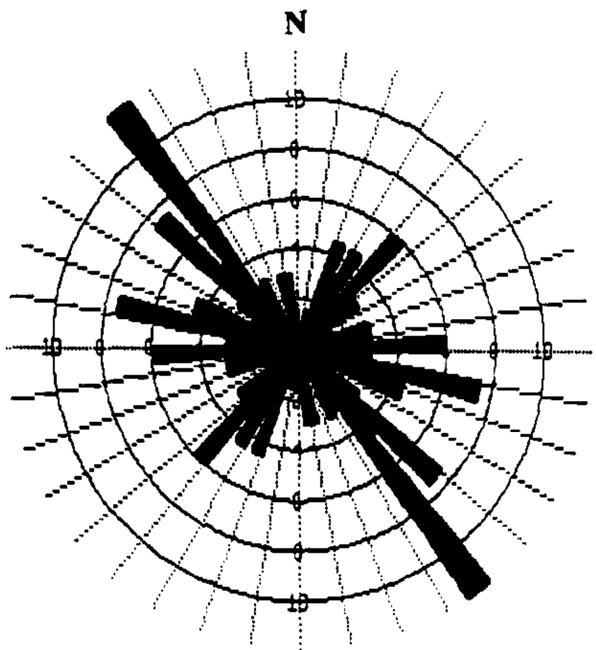
Calculation Method	Frequency
Class Interval	5 Degrees
Filtering	Deactivated
Data Type	Bidirectional
Rotation Amount	0.0 Degrees
Population	21
Maximum Percentage	28.6 Percent
Mean Percentage	8.3 Percent
Standard Deviation	6.91 Percent
Vector Mean	289.19 Degrees
Confidence Interval	31.52 Degrees
R-mag	0.51

Figure 10-1, Rose Diagram of Fracture Orientation on Eagle Property and Its Subdivisions (continued......)



FRACTURE ORIENTATION IN MID ZONE

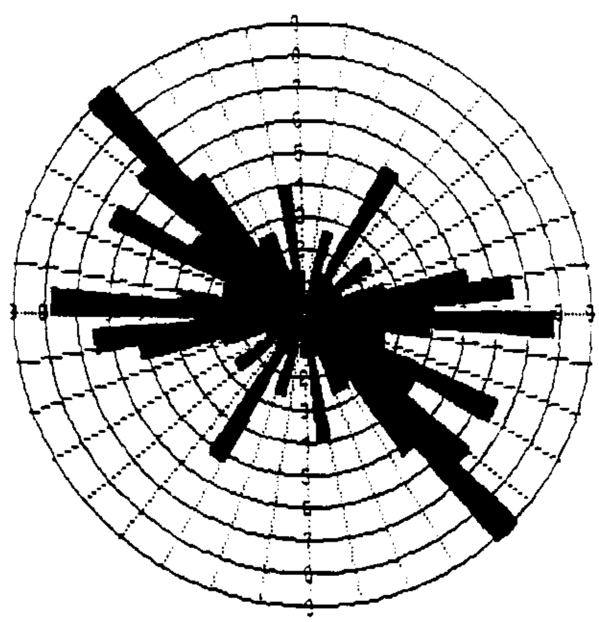
Calculation Method ... Frequency
Class Interval .... 5 Degrees
Filtering .... Deactivated
Data Type .... Bidirectional
Rotation Amount ...... 0.0 Degrees
Population 43
Maximum Percentage ... 14.0 Percent
Mean Percentage ...... 4.2 Percent
Standard Deviation ... 2.96 Percent
Vector Mean .... 330.52 Degrees
Confidence Interval .. 67.33 Degrees
R-mag 0.18



FRACTURE ORIENTATION IN GIBSON

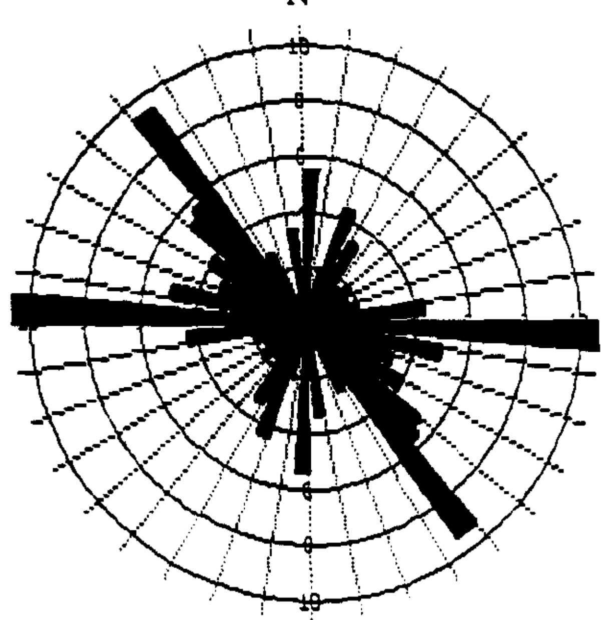
Calculation Method ... Frequency
Class Interval .... 5 Degrees
Filtering .... Deactivated
Data Type .... Bidirectional
Rotation Amount ...... 0.0 Degrees
Population 67
Maximum Percentage ... 11.9 Percent
Mean Percentage ...... 3.7 Percent
Standard Deviation ... 2.41 Percent
Vector Mean .... 296.79 Degrees
Confidence Interval .. 47.75 Degrees
R-mag 0.20

Figure 10-1, Rose Diagram of Fracture Orientation on Eagle Property and Its Subdivisions (......continued)



FRACTURE ORIENTATION IN EAGLE 6

Calculation Method ... Frequency
Class Interval .... 5 Degrees
Filtering .... Deactivated
Data Type .... Bidirectional
Rotation Amount ...... 0.0 Degrees
Population 77
Maximum Percentage ... 9.1 Percent
Mean Percentage ...... 3.6 Percent
Standard Deviation ... 2.17 Percent
Vector Mean .... 293.20 Degrees
Confidence Interval .. 24.24 Degrees
R-mag 0.36



FRACTURE ORIENTATION ON EAGLE PROPERTY

Calculation Method ... Frequency
Class Interval .... 5 Degrees
Filtering .... Deactivated
Data Type .... Bidirectional
Rotation Amount ...... 0.0 Degrees
Population 300
Maximum Percentage ... 10.7 Percent
Mean Percentage ...... 2.7 Percent
Standard Deviation ... 2.30 Percent
Vector Mean .... 297.50 Degrees
Confidence Interval .. 18.82 Degrees
R-mag 0.24

Figure 10-1, Rose Diagram of Fracture Orientation on Eagle Property and Its Subdivisions (......continued)

These fractures and all other readings from elsewhere on the property were plotted on a rose diagram. The two predominant sets trend E-W (about 272°) and NW (about 322°), while another set trends approximately N-S (about 002°).

10.3 Fracture Distributions

The advantage of a rose diagram is that one can easily visualize the structure orientations on the diagram. The disadvantages are that they do not show dip orientation and dip angle of the structures, and they also plot two different sets of structure with the same strike but opposite dip direction as one set. A stereonet plot has the advantage of showing both strike and dip orientations as well as the value of dip angles, however it is not as easy to visualize as a rose diagram.

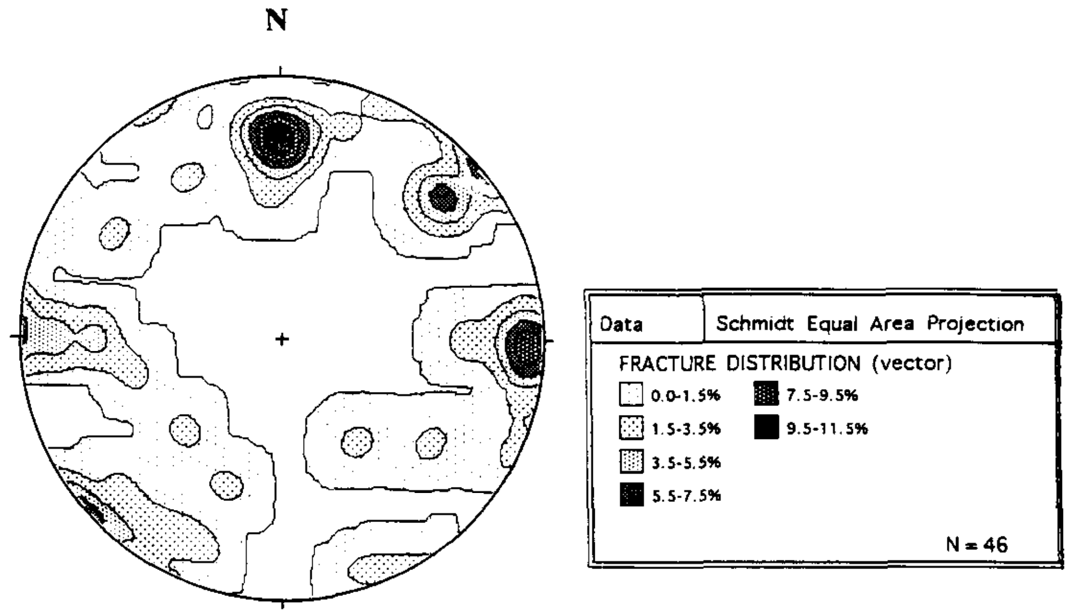
Figure 10.2 shows the stereonet plot of fractures on the property and on individual zones. The stereonet plots use the same data as the rose diagrams. The plots display the poles to fracture planes on the lower hemisphere of the Schmidt equal area projection net.

On the Vector Zone stereonet, three clusters of poles are distinctive, and the centres of these clusters are 002°/24°, 092°/06°, and 048°/18°. These clusters represent fracture sets with average orientations of 272°/66°S, 002°/84°W and 318°/72°SW, i.e. striking approximately E-W, N-S and NW. In the rose diagram, the N-S trend appears to be more important than the E-W trend, whereas the stereonet shows that the 272°/66°S trend is actually stronger than the 002°/84°W set. This is because the rose diagram combines another set of fractures having the same strike but opposite dip, i.e., striking N-S but dipping to the east, with the 002°/84°W set.

At the Nighthawk Zone, two distinctive clusters of poles are clearly seen on the stereonet plot. They are oriented at about 002°/18° and 042°/18° on the stereonet, representing two dominant fracture sets with an average strike of 272°/72°S and 312°/72°SW, respectively, and they correlate well with the rose diagram.

At the Mid Zone, two distinctive clusters of poles are located at 228°/07° and 180°/04° on the stereonet, representing fracture sets with average orientations of 318°/83°NE and 270°/86°N, respectively. A NE-striking fracture set shows clearly on the rose diagram but is not obvious on the stereonet because of the rose diagram's combining effect.

At the Gibson Zone, two clusters of poles are distinctive. They are located at 045°/05° and 125°/12° on the stereonet, representing fracture sets with an average orientation of 315°/85°SW and 035°/78°NW, respectively. This corresponds well with the rose diagram which also shows a few more sets of fracture because of its combining effect.



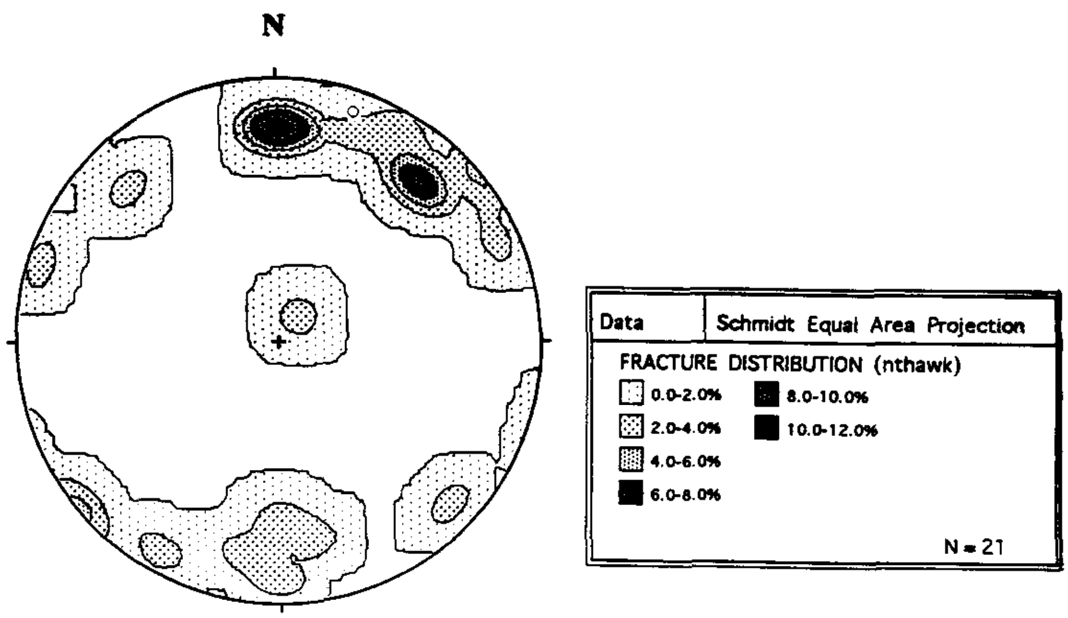
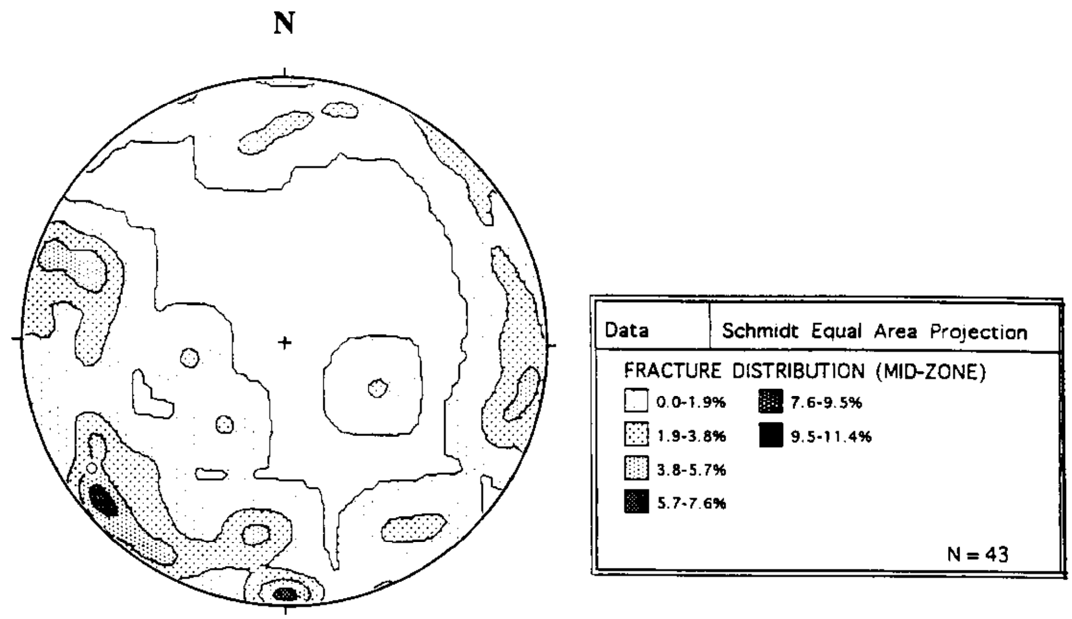


Figure 10-2, Stereonet Plot of Fracture Distribution on Eagle Property and Its Subdivisions (continued......)



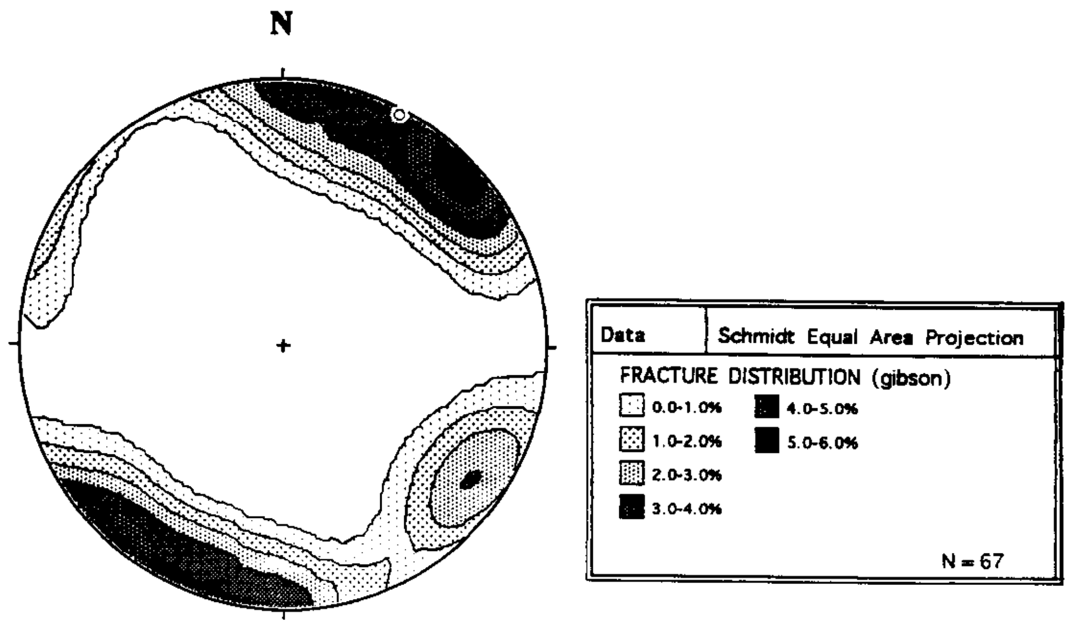
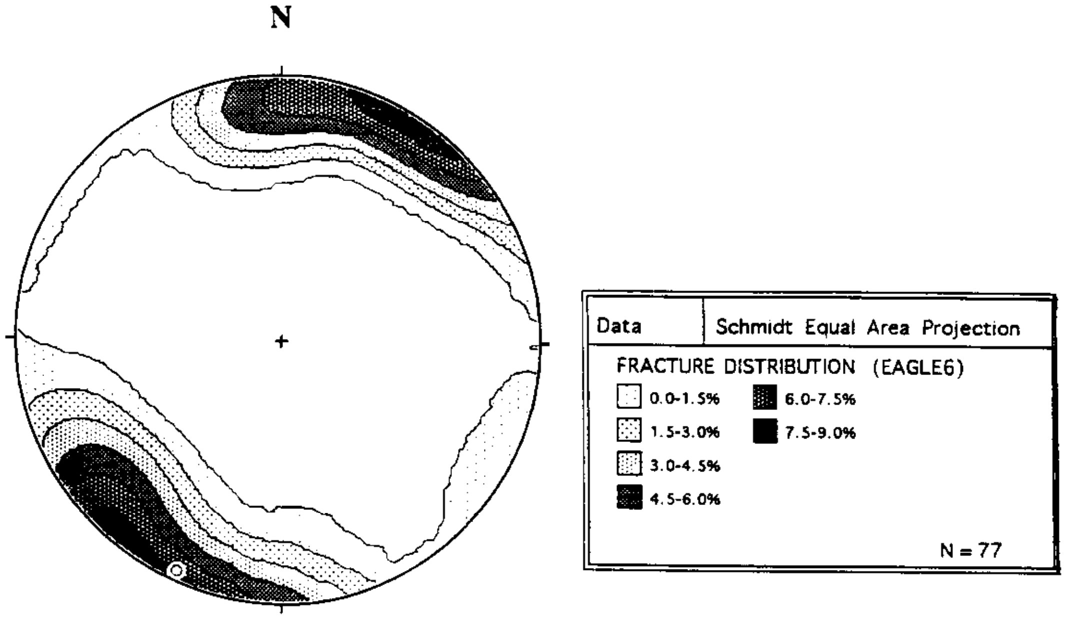


Figure 10-2, Stereonet Plot of Fracture Distribution on Eagle Property and Its Subdivisions (......continued)



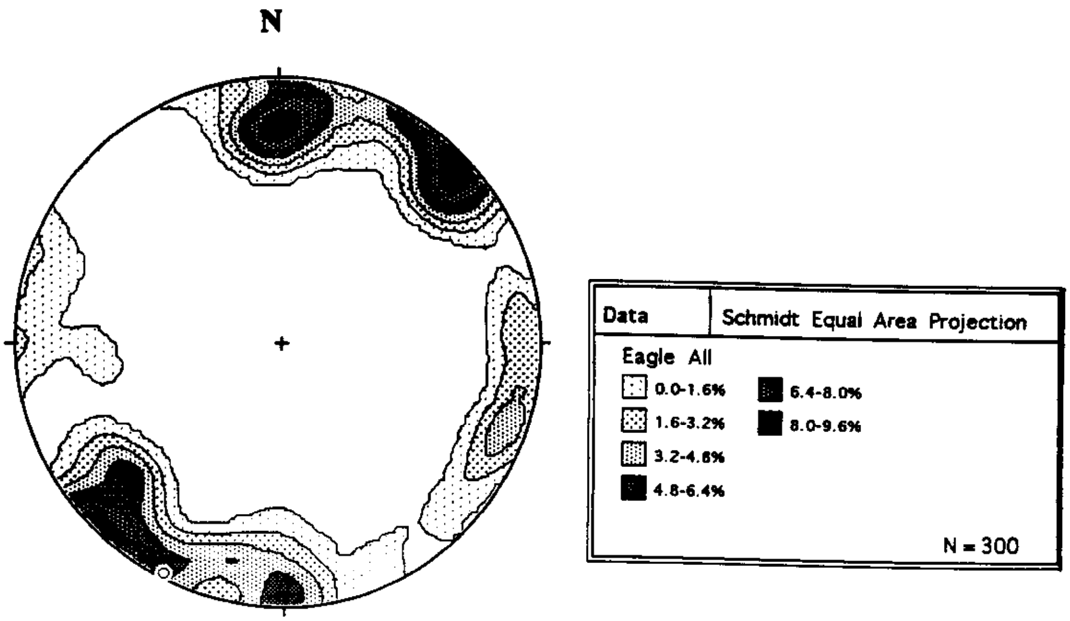


Figure 10-2, Stereonet Plot of Fracture Distribution on Eagle Property and Its Subdivisions (......continued)

For the EAGLE 6 claim, the stereonet plot shows two predominant sets of fractures with almost the same strike, approximately 315°, with a steep dip at about 85°SW and 85°NE which appear clearly on the rose diagram as one set trending about 320°.

Two dominant clusters of poles are shown on the stereonet for the property as a whole, and are situated at about 360°/18° and 045°/05°, representing two distinct fracture sets with an average orientation of 270°/72°S and 315°/85°SW, respectively. In addition, the stereonet shows two sets of fractures almost parallel to the above fracture sets but dipping in the opposite directions, fractures which are dominant in the Mid Zone. Also shown on the stereonet is a less dominant cluster of poles, 110°/08°, representing a fracture set striking about 020° and dipping 82°NW.

10.4 Summary

Fractures observed on the property are mostly high angle fractures, with dips ranging from 70° to 85° regardless of the strike. The two most dominant sets of fractures are:

- striking at about 320° and dipping at about 75°-85°SW, and
- striking at about 270° and dipping at about 70°S.

The NW-trending fracture set corresponds to the orientation of the Pinchi Fault zone which extends through the west part of Tchentlo Lake. The E-W-trending set corresponds to a major east-trending fault zone which cuts through Tchentlo Lake and shows left-lateral displacement of the intrusive units (Garnett, 1978).

On an outcrop near drill hole EA-91-06 in the Nighthawk Zone, an E-W-trending fracture cuts a NW-trending fracture, and shows sinistral offset of a few centimetres, similar to the major east-trending fault zone to the north. In addition to these two predominant fracture sets, other fractures developed unevenly from place to place and some of these became dominant in a particular locality, such as the N-S-trending fracture set in the Nighthawk Zone. Field observations indicate that the N-S-trending fractures developed later than the E-W- and NW-trending fractures. On one outcrop between Mid Zone and Nighthawk Zone, a N-S-trending fracture shows dextral offset of an E-W-trending fracture.

There are three dominant fracture sets observed on the property, trending NW, E-W and N-S. The NW and E-W trends are well-developed throughout the property and correspond to regional fault zones. The NW trend is the oldest, while the N-S trend is the youngest and is developed only locally. The E-W trend displays left-lateral displacement, and the N-S trend displays right-lateral displacement. Mineralization is closely related to all of these fracture sets.

Three dominant fracture sets are identified in the Vector Zone. The oldest fracture set, at about 320°/72°SW was cut by the fracture set at about 270°/66°S, and the youngest set, at about 002°/84°W crosscuts the above two. Some fractures, striking about 310°/70°NE, are seen on a steep slope near drill hole EA-91-12. They appear to be younger fractures with a trend similar to that of the Pinchi Fault, because they crosscut an E-W trend and show sinistral displacement of a few centimetres. Strong to intense potassic and chloritic alterations are seen along most of the three dominant fracture sets. Epidote alteration and silicification were also noticed.

11. MINERALIZATION

11.1 Vector Zone

The Vector Zone, located in the northern part of the Main Zone, is one of three areas which contain copper showings that can be traced in outcrop for up to 400m each. At the Vector Zone, alteration and mineralization are present on the southwest side of a small creek, near diamond drill hole EA-91-12. The creek trends 330° and may represent a fault zone striking parallel to the Pinchi Fault zone further west.

Mineralization is found along many of the fractures in the centre of the Vector Zone. The sulphide mineralization consists of pyrite and chalcopyrite blebs and stringers with disseminated pyrite and occasional malachite near the fractures. Away from the centre of the zone, sulphides are more common at the intersections between the three dominant fracture sets.

The mineralization is controlled by the NW-trending fractures, and has been remobilized by E-W-trending fractures and again by N-S-trending fractures. Table 13.3 presents the assay results of several grab rock samples taken from the Vector Zone and vicinity. The majority of these samples are diorite, but some of them are identified as syenite dyke (R3065), fault gouge in diorite (R3061) and brecciated diorite (R3060). In his examination of rock sample R3066, taken near R3065, Skupinski (1996) described the sample as an alkali-feldspar syenite, derived from the metasomatic alteration of a rock of unknown origin (Appendix 5).

Rocks in the Vector Zone commonly show strong to moderate magnetism and sulphide mineralization strongly associated with potassic alteration. Several large massive magnetite veins with sulphides crosscut the main mineralization trend.

11.2 Nighthawk Zone

The Nighthawk Zone, located near the southern boundary of the Main Zone and close to the highest point of the property, is hosted by moderately to strongly fractured diorite. Two dominant fracture sets, with strikes of 312°/72°SW and 272°/72°S, were identified in the area and control the alteration and mineralization. Alterations are mainly potassic and propylitic. Sulphide mineralization consists of pyrite and chalcopyrite stringers, disseminated pyrite and malachite along fracture surfaces.

Mineralization is commonly seen around the NW-trending and E-W-trending fractures in the centre of the Nighthawk Zone, and is generally seen near the intersections between these two dominant fracture sets away from the central part of the zone.

Several gossans ranging from several centimetres to several decimetres wide were identified along the E-W-trending fractures. Table 13.5 shows assay results of rock samples from the Nighthawk Zone and vicinity. Rock samples taken near the NW-trending or E-W-trending fracture planes generally yield high copper contents (up to 1% Cu) within the zone and sometimes in areas nearby (R3030 and R3031).

Sample R3030, taken from a gossan zone about 20 cm wide in an E-W-trending fracture, dipping 70°S about 400m north of the Nighthawk Zone, contains 1.6% Cu and 0.6 g/t Au. Sample R3031, taken from a brecciated zone striking 320° and dipping 70°SW about 50m northeast of R3030, contains 1.8% Cu and 0.8 g/t Au.

Taken along the same fracture, about 1m from R3031, sample R3032 was identified as monzonite, originally a gabbro which has undergone potassic metasomatism (Skupinski, 1996). The remaining rock samples in Table 13.5 were identified in the field as diorite or altered diorite.

Unlike the Vector Zone, N-S-trending fractures were poorly developed at the Nighthawk Zone.

11.3 Mid Zone

The Mid Zone is located between the Vector and Nighthawk Zones. The Mid Zone is hosted by diorite near the contact with gabbro and is exposed mostly along the road.

The zone shows strong potassic and propylitic alteration, especially around fractures. Several gossans up to a few metres wide were seen along the NW- or E-W-trending fractures. Mineralization consists of pyrite and chalcopyrite stringers, commonly with disseminated pyrite. The best mineralization is generally seen in gossan zones. Table 13.4 displays the assay results of rock samples from the Mid Zone and nearby areas. Sample R17 was collected along a NW-trending, 20-cm gossan zone on the road cut, and yielded the best value (4 g/t Au) from intrusive rocks in the project area.

12. GEOPHYSICAL SURVEYS

Max-Min and magnetometer surveys were conducted over 52.35 km of grid that were cut during the 1996 summer field program. The procedures used and a detailed interpretation of the surveys are included in Appendix 4. A brief description of the results is summarized in this section of the report.

About twelve major conductors were identified over the property (Bowman, 1996). Most of these conductors strike west or northwest and dip 60°-90°SW. In the Gibson Zone, conductor A-A' strikes northwest, dips 70°-90°W and is thought to be caused by massive sulphide mineralization, principally pyrite since there is no magnetic high over the area (Fig. A.4.1). Conductor B-B' strikes nearly north-south, dips 60°-80°W and may extend from line 12+00N to line 19+00N. At the Gibson Zone, the magnetic gradient decreases to the west as the thickness of the Takla Group rocks increases.

In the region between the Gibson Zone and the Main Zone, four conductors strike west and northwest for up to 900m, and may be caused, in part, by conductive overburden. Several of these conductors may extend 1 km north to line 34+00N, where additional conductors were identified by a single geophysical line. Conductors C-C' and E-E' show increased magnetic response relative to other areas.

In the southern part of the Main Zone, two 900m-long conductors, G-G' and H-H', are joined by a third strong conductor which extends for only about 300m. It is possible that the shorter conductor forms a southern extension to conductor G-G'. These conductors trend generally northwest and are thought to dip 80°-90°SW. The northern extensions of these conductors are untested because of a 600m or 1000m break in the survey.

In the northern part of the Main Zone, five major conductors striking generally east-west appear to be cut by conductor J-J' which strikes northwest and veers north at about line 36+00N. Most of these dip 70°-90°SW except for conductor M-M' where no dip estimation was possible because of interference between the in-phase and quadrature responses.

13. GEOCHEMICAL SURVEYS

13.1 Introduction

Several geochemical surveys were conducted on the EAGLE property. Infill soil sampling was carried out at 25m intervals on the new grid lines to augment the geochemical data obtained from the previous operator, east of the base line between lines 34+00N and 42+00N, and between lines 9+00N and 17+00N. Sampling was also conducted on line 34+00N west of the base line. Analytical procedures are described in Appendix 7.

Detailed geochemical soil sampling was also conducted on the gold anomalies in soil samples that had been identified by Noranda (Fig. 13.1). This sampling consisted of taking soil samples at 25m intervals on 3x3 or 5x5 mini-grids centred on the anomaly. The purpose of the resampling was to replicate the anomaly and to determine its areal extent.

Chip sampling was carried out at the Nighthawk and Vector Zones over some of the outcrops where high values for gold and copper had been obtained. The purpose was to assess the variability in the mineralization both along and across shear zones.

During the mapping of the EAGLE 6 claim, soil samples were collected at regular intervals and stream sediment samples were collected when encountered.

Selected rock samples were also collected over the property where mineralization, such as sulphides, was present.

13.2 Infill Soil Sampling

In the Nighthawk Zone, five lines of soil sampling, 9+00N, 11+00N, 13+00N, 15+00N and 17+00N, were completed mostly east of the base line (Fig. 13.1). Background values for gold were returned for most of the samples. Only two values were marginally anomalous: 30 ppb Au on line 13+00N at 42+25E and 32 ppb Au on line 15+00N at 45+25E (Figs. 13.2 and 13.3).

In the Vector Zone, five lines were sampled at 200m intervals between lines 32+00N and 40+00N. Sample spacing was at 25m intervals. The gold values were fairly low, at 1-28 ppb, over most of the lines sampled. Four modest anomalies were identified: 30 ppb Au on line 34+00N at 44+50E; 35 ppb Au on line 34+00N at 44+00E; 48 ppb Au on line 38+00N at 44+00E; and 45 ppb Au on line 40+00N at 47+50E. The samples on either side of these anomalies ranged from 3 to 12 ppb Au.

Line 34+00N was sampled between 20+00E and 40+00E, except for a few areas where a fairly wet swamp hindered the taking of samples. Only one sample was above the background values of 1-24 ppb Au. A value of 34 ppb Au was identified at station 27+75E, but values of 3 and 5 ppb were returned on either side of this weak anomaly.

A few samples containing up to 324.4 ppm Cu were identified along line 34+00N west of the base line. These copper anomalies appear to have a poor correlation with high values for zinc in the same samples. Many of the copper values may be of hydromorphic origin.

13.3 Detailed Geochemical Sampling

Detailed follow-up geochemical sampling was conducted over 53 soil anomalies that had been reported by the previous operator on the property, Noranda Exploration (Fig 13.1). The sampling was done on 3x3 or 5x5 mini-grids at 25m intervals. A summary of the information on these samples is shown in Table 13.3 and the maps relating to these samples are presented in Appendix 6. The Noranda sample sites that were resampled are identified with the prefix SM.

Samples SM1483, SM1459, SM1468, SM1231, SM1248, SM1249, SM1494, SM1426, SM1503 and SM1742 are located in the Nighthawk Zone (Figs. A.6.1 to A.6.7). From the samples submitted, a few anomalous values were identified, but they were mostly of much lower values, such as the 4700 ppb Au which gave 47 ppb Au upon resampling.

Some of the gold anomalies are accompanied by high values of copper and arsenic, such as S1490 (49 ppb Au) which contains 15,800 ppm Cu, and 120.9 ppm As (Fig. A.6.1), and S1463 (52 ppb Au) with 1145 ppm Cu and 347.4 ppm As (Fig. A.6.2). When gold values are high, copper and arsenic values are usually elevated, but the reverse is not always true.

In other mini-grids surrounding the Nighthawk Zone, the resampling proved to be somewhat disappointing for gold. The samples taken northeast of the Nighthawk Zone gave background values for all elements (Figs. A.6.8, A.6.9).

Table 13.1: Geochemical Soil Sampling: Summary

Sample No.	Figure No.	Grid Size	Gold Value	Resample Value	Background Values	Gold Values >30 ppb
SM1483	A.6.1	3 x 3	65 ppb	13 ppb	1-14ppb	S1490: 49 ppb S1484: 80 ppb
SM1459 SM1468	A.6.2	3 x 3 3 x 2	45 ppb 35 ppb	i.s. 22 ppb	2-12 ppb 7-22 ppb	S1463: 52 ppb S1471: 69 ppb
SM1503	A.6.3	3 x 3	90 ppb	18 ppb	7-18 ppb	
SM1231 SM1248 SM1249	A.6.4	5 x 5	700 ppb 510 ppb 35 ppb	15 ppb 190 ppb 60 ppb	3-30 ppb	S1248: 190 ppb S1249: 60 ppb
SM1494	A.6.5	4 x 3	4700 ppb	47 ppb	4-20 ppb	S1491: 47 ppb
SM1426	A.6.6	5 x 5	100 ppb	11 ppb	3-25 ppb	S1437: 38 ppb
SM1742	A.6.7	3 x 3	30 ppb	2 ppb	1-9 ppb	
SM1733	A.6.8	3 x 3	30 ppb	12 ppb	2-13 ppb	
SM1474	A.6.9	3 x 3	45 ppb	7 ppb	6-10 ppb	
SM1513	A.6.10	5 x 5	3100 ppb	14 ppb	2-22 ppb	S1515: 32 ppb
SM1688	A.6.11	3 x 3	60 ppb	1 ppb	1-16 ppb	S1693: 38 ppb
SM1450	A.6.12	3 x 3	45 ppb	20 ppb	1-20 ppb	
SM1258	A.6.13	5 x 5	800 ppb	7 ppb	1-14 ppb	
SM1664	A.6.14	5 x 5	120 ppb	6 ppb	1-26 ppb	S1685: 53 ppb
SM1806	A.6.15	5 x 5	100 ppb	220 ppb	2-28 ppb	S1804: 320 ppb S1805: 40 ppb S1806: 220 ppb S1810: 100 ppb S1822: 31 ppb
SM1830	A.6.16	3 x 3	80 ppb	6 ppb	1-16 ppb	
SM1796	A.6.17	3 x 3	60 ppb	96 ppb	1-30 ppb	S1797: 76 ppb S1796: 96 ppb S1799: 40 ppb
SM1787	A.6.18	3 x 3	30 ppb	i.s.	1-12 ppb	

Table 13.1: Geochemical Soil Sampling: Summary (cont'd)

Sample No.	Figure No.	Grid Size	Gold Value	Resample Value	Background Values	Gold Values >30 ppb
SM1333	A.6.19	5 x 5	130 ppb	5 ppb	1-27 ppb	S1334: 38 ppb S1355: 130 ppb
SM1618	A.6.20	3 x 3	20 ppb	3 ppb	1-12 ppb	S1623: 43 ppb
SM1697	A.6.21	3 x 3	50 ppb	16 ppb	1-16 ppb	
SM1308	A.6.22	5 x 5	170 ppb	10 ppb	1-22 ppb	S1317: 43 ppb S1325: 42 ppb
SM1392 SM1416	A.6.23	5 x 5 3 x 3	100 ppb 30 ppb	8 ppb 16 ppb	1-28 ppb 2-20 ppb	S1398: 52 ppb S1399: 34 ppb S1411: 42 ppb
SM1706	A.6.24	3 x 3	50 ppb	10 ppb	7-17 ppb	
SM1724	A.6.25	3 x 3	35 ppb	37 ppb	1-29 ppb	S1724: 37 ppb
SM1715	A.6.26	3 x 3	40 ppb	37 ppb	2-27 ppb	S1715: 37 ppb
SM1627	A.6.27	3 x 3	30 ppb	20 ppb	4-20 ppb	
SM1636	A.6.28	3 x 3	80 ppb	68 ppb	2-20 ppb	S1636: 68 ppb S1638: 34 ppb
SM1769	A.6.29	3 x 3	50 ppb	48 ppb	5-20 ppb	S1769: 48 ppb S1770: 52 ppb S1772: 270 ppb
SM1760	A.6.30	3 x 3	50 ppb	38 ppb	1-28 ppb	S1760: 38 ppb
SM1751	A.6.31	3 x 3	90 ppb	1 ppb	1-18 ppb	
SM1609	A.6.32	3 x 3	60 ppb	2 ppb	1-22 ppb	
SM1283	A.6.33	5 x 5	1230 ppb	22 ppb	1-23 ppb	
SM1358	A.6.34	5 x 5	380 ppb	4 ppb	2-28 ppb	S1368: 41 ppb
SM1382	A.6.35	3 x 3	50 ppb	3 ppb	2-15 ppb	S1385: 37 ppb
SM1654	A.6.36	3 x 3	40 ppb	10 ppb	1-19 ppb	S1660: 280 ppb
SM1645	A.6.37	3 x 3	30 ppb	12 ppb	1-18 ppb	
SM1181	A.6.38	5 x 5	215 ppb	1000 ppb	3-24 ppb	S1185: 32 ppb

Table 13.1: Geochemical Soil Sampling: Summary (cont'd)

Sample No.	Figure No.	Grid Size	Gold Value	Resample Value	Background Values	Gold Values >30 ppb
SM1778	A.6.39	3 x 3	30 ppb	12 ppb	9-28 ppb	S1779: 32 ppb S1781: 40 ppb S1782: 72 ppb S1785: 72 ppb
SM1537	A.6.40	3 x 3	45 ppb	2 ppb	2-7 ppb	S1536: 34 ppb
SM1546	A.6.41	3 x 3	70 ppb	2 ppb	1-16 ppb	
SM1208 SM1207	A.6.42	5 x 5	185 ppb 35 ppb	8 ppb 8 ppb	2-13 ppb	S1223: 37 ppb
SM1564	A.6.43	3 x 3	30 ppb	3 ppb	1-20 ppb	
SM1555	A.6.44	3 x 3	40 ppb	12 ppb	1-28 ppb	S1561: 36 ppb
SM1573	A.6.45	3 x 3	40 ppb	7 ppb	1-7 ppb	S1576: 57 ppb
SM1600	A.6.46	3 x 3	30 ppb	1 ppb	1-14 ppb	
SM1591	A.6.47	3 x 3	30 ppb	1 ppb	1-8 ppb	
SM1582	A.6.48	3 x 3	45 ppb	2 ppb	1-28 ppb	

In the Gibson Zone, about 2.5 km west of the Nighthawk Zone, the resampling indicates high values of zinc. In the mini-grids over SM1513 (Fig. A.6.10) and SM1688 (Fig. A.6.11), six values of 209.5-1344.0 ppm Zn were recorded. On the SM1513 mini-grid, values of 100.6-412.5 ppm As were returned. The 32 ppb Au anomaly (S1515) has a value of 236.6 ppm Zn and a moderately high background value of 72.6 ppm As.

In other mini-grids near the Gibson Zone, several gold, zinc and arsenic anomalies are present. On the SM1664 grid, values of up to 2990.0 ppm Zn (S1667) and 521.0 ppm As (S1681) were returned from the laboratory, but neither of these elements were high at the 53 ppb Au anomaly (S1685) (Fig. A.6.14). Several anomalies of gold, arsenic, zinc and lead are present on mini-grid SM1806 (Fig. A.6.15). The values are up to 7170.0 ppm Zn, 3680.0 ppm Pb, 839.3 ppm As and 220 ppb Au (S1806). The Gibson Zone is well identified as an east-west feature, since the geochemical anomalies extend to SM1796 (Fig. A.6.17), but not to the north or east of SM1787 (Fig. A.6.18) or SM1830 (Fig. A.6.16).

To the northwest of the Nighthawk Zone, resampling of SM1450 (Fig. A.6.12) and SM1258 (Fig. A.6.13) showed background values for all elements. North of the Nighthawk

Zone, SM1333 and SM1618 contain three gold anomalies, two of which are associated with high copper values: S1334 (Fig. A.6.19): 38 ppb Au, 361.6 ppm Cu; S1335 (Fig. A.6.19): 130 ppb Au, 1262.0 ppm Cu; and S1623 (Fig. A.6.20): 43 ppb Au, 58.0 ppm Cu.

The geochemical resampling program in the Mid Zone focused on 11 sites with 30 ppb Au or more. The results show several gold anomalies of 34-54 ppb Au, but mostly high values of copper, usually over 100 ppm and often in the range of 1000-4570 ppm Cu (Figs. A.6.21-A.6.30). On SM 1769, sample S1772 returned a value of 270 ppb Au and 181.0 ppm Cu; sample S1769, with 48 ppb Au and 350.5 ppm Cu; and sample S1770 contained 52 ppb Au and 238.8 ppm Cu (Fig. A.6.29).

The higher gold values are often associated with copper values of 162.4-657.8 ppm Cu, but the very high copper values have little gold associated with them, usually in the 10-16 ppb Au.

To the northeast of the Mid Zone, three anomalies were tested on a mini-grid: SM1751 (Fig. A.6.31), SM1609 (Fig. A.6.32) and SM1283 (Fig. A.6.33). The first two have only a few higher values of copper in the range of 135.9-485.7 ppm Cu, but the third anomaly contains mostly very low values of 7.3-31.9 ppm Cu with three values of 197.0-281.4 ppm Cu. All other elements have values in the background range.

To the southwest of the Mid Zone, four sites were resampled. The two westernmost are characterized by mostly low values for copper and gold. On mini-grid SM1358 (Fig. A.6.34), three samples contain 123.5-348.9 ppm Cu, one of which is associated with 45.0 ppm As (S1377). On the SM1382 grid (Fig. A.6.35), the one gold anomaly of 37 ppb Au contains only 11.9 ppm Cu (S1385).

The two sites closest to the Mid Zone, SM1654 (Fig. A.6.36) and SM1645 (Fig. A.6.37), show values of 101.0-790.0 ppm Cu in 10 of 18 samples taken. The anomaly of 280 ppb Au is associated with the sample containing 101.0 ppm Cu (S1660) (Fig. A.6.36).

On the Vector Zone, three sample sites were selected for resampling: SM1181, SM1537 and SM1778.

At SM1181 (Fig. A.6.38), the central part of the Vector Zone was sampled and values of up to 13,000 ppm Cu, 680 ppb Au (S1183), and 8230 ppm Cu, 1000 ppb Au (S1181) were identified along with other more modest anomalies of gold and copper.

At site SM1778 (Fig. A.6.39), the position of the four gold anomalies of 72 ppb Au (S1785), 72 ppb Au (S1782), 40 ppb Au (S1781) and 32 ppb Au (S1779) suggests that, although we may be near a zone of anomalous gold, the zone of interest may be located to the northeast.

Only one weak gold anomaly (34 ppb Au, 7.3 ppm Cu, S1536) was identified on site SM1537 (Fig. A.6.40).

To the southwest of the Vector Zone, nine sites (SM1546, SM1208, SM1207, SM1564, SM1555, SM1573, SM1600, SM1591, SM1582) were resampled (Figs. A.6.41 to A.6.48). Nearly every value was uniformly low in both copper and gold. All values were from 2.1-79.0 ppm Cu except for two samples at 633.5 ppm Cu (S1563) and 334.3 ppm Cu (S1568) (Fig. A.6.43). Only two modest gold anomalies were identified: 37 ppb Au (S1223, Fig. A.6.42) and 36 ppb Au (S1561, Fig. A.6.44).

The detailed geochemistry has confirmed that gold and copper are anomalous in the Nighthawk, Mid and Vector Zones, and at the Gibson Zone as already identified. The geochemical anomalies present outside these areas are weak and of little interest.

13.4 Chip Sampling

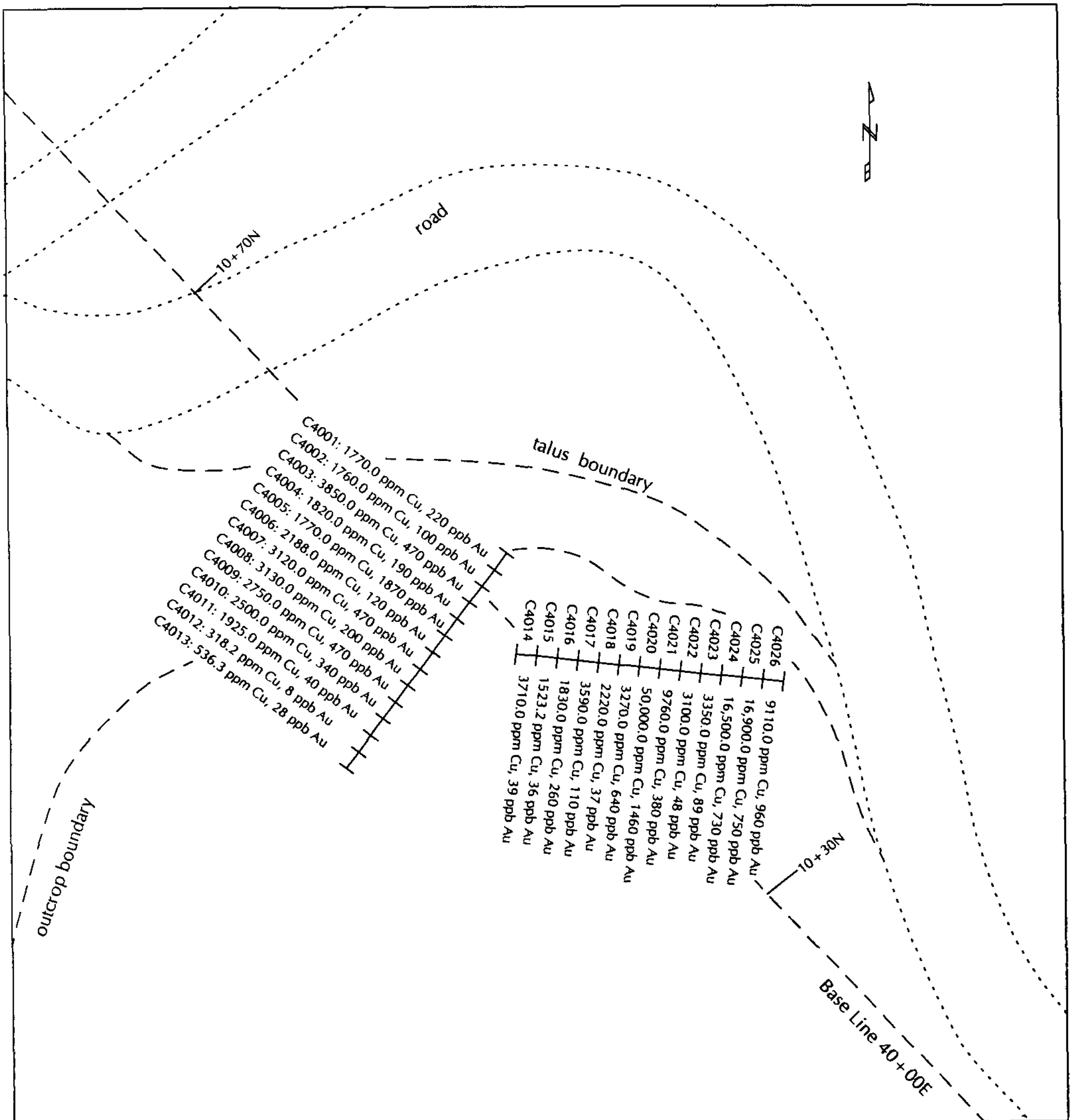
Chip sampling was carried out at the Nighthawk Zone and at the Vector Zone in areas where outcrops were present.

13.4.1 Nighthawk Zone

At the Nighthawk Zone, 26 1m-long chip samples were taken along two channels. Thirteen samples were taken at a 60° angle across a shear zone which strikes about 090° (Fig. 13.4). The values for copper are all high at 1770-3850 ppm Cu (C4001-C4013) across the section except in the southern part of the channel where the values decrease to 318.2 and 536.3 ppm Cu.

The values for gold are 100-470 ppb Au except for the last three samples to the south (8-40 ppb Au). One value near the centre of the shear zone contains 1870 ppb Au. Two other elements show significant anomalies at the centre of the shear zone: 32.8-195.2 ppm W and up to 169.6 ppm As. Another high value for arsenic is located in the southernmost sample which contains 222.8 ppm As (C4013).

Thirteen additional samples were taken along the shear zone (C4014-C4026). These samples show similar variability in copper, but the values are higher at 1523.2-50,000.0 ppm Cu. Similarly, the values for gold range from 36 to 1460 ppb Au. There is good correlation between gold and copper. Anomalies for tungsten were not recorded in this series, but molybdenum values were unusually high at 10.4-142.5 ppm Mo over the samples C4019-C4026.



Legend

Sample locations

C4001: 1770.0 ppm Cu, 220 ppb Au — Chip sample numbers and geochemical results

Scale

0 — 10 — 20 m

Birch Mountain Resources Ltd.		
Geochemistry Program Chip Sampling: Nighthawk Zone EAGLE Project, B.C.		
Scale: 1:250	NTS: 93 N/2	
Drawn by: DAB	Date: 1996.11.24	Fig. 13.4

13.4.2 Vector Zone

Sixteen samples were chipped from the face of a large outcrop of diorite which exhibits extensive potassic alteration, magnetite veining, malachite and minor azurite mineralization (Fig. 13.5A). Values of 511.7-10,800.0 ppm Cu and 2-837 ppb Au were recorded from the samples (C4027-C4042). Cobalt, molybdenum and arsenic were also high, reaching values of up to 367.5 ppm Co in C4032, and of 61.9 ppm Mo and 78.6 ppm As in C4033.

The other 12 samples from the Vector Zone (Fig. 13.5B) were taken along an apparent fracture plane which strikes about 360° and also contains magnetite veining and malachite. Values of 1980-20,300 ppm Cu and 26-623 ppb Au were obtained in the samples. Values of 281.7 ppm Zn and 210.2 ppm Co were also recorded in the samples.

13.5 EAGLE 6 Claim Geochemistry

Prospecting and geochemical sampling of the EAGLE 6 claim were undertaken to extend the information base from areas to the west and northwest. Stream sediment, soil and rock samples were taken and submitted for analysis (Fig.13.6).

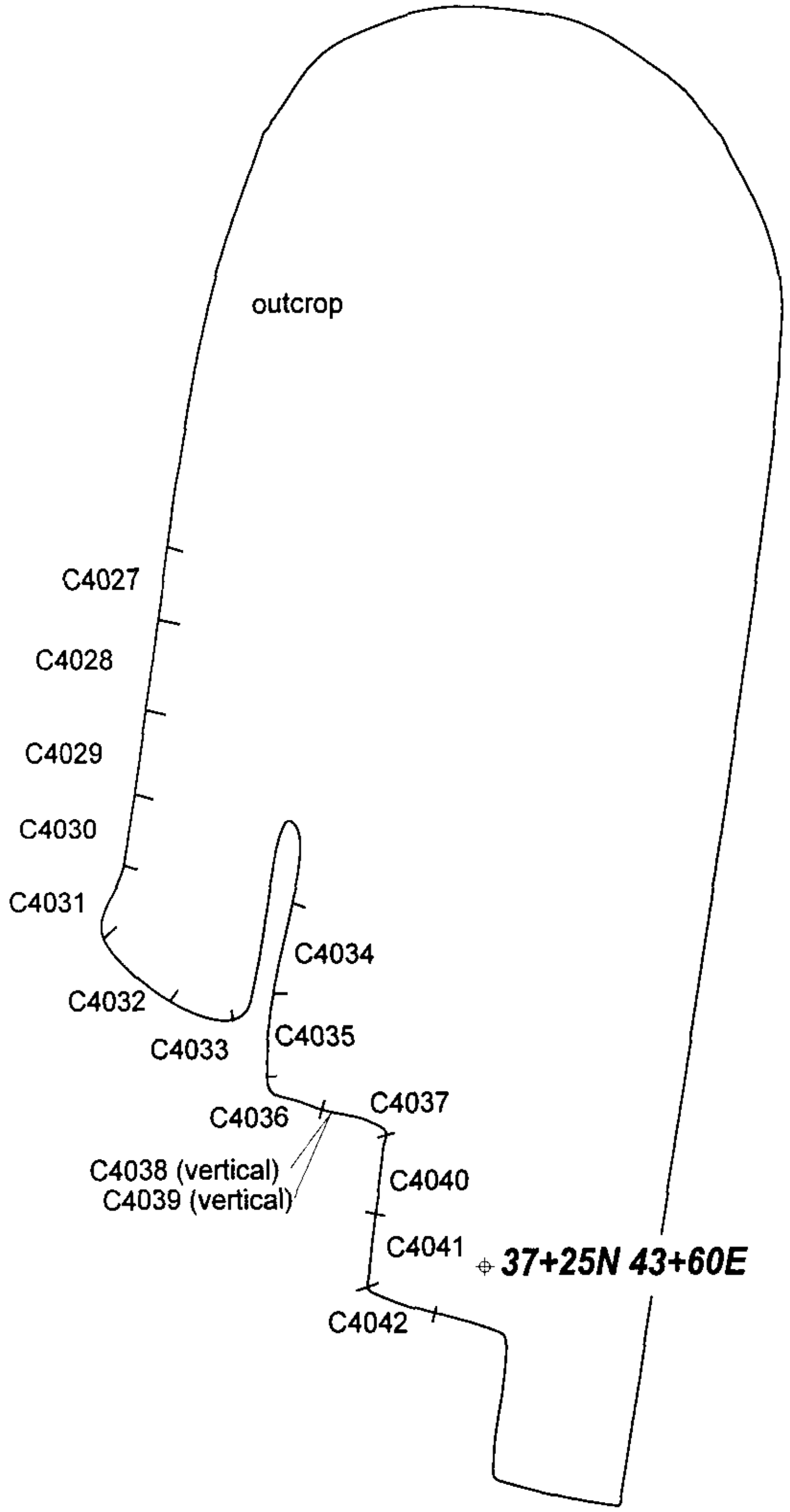
Seven stream sediment samples were taken on the claim, but because of the coarse-grained nature of the material sampled, only one of these had a sufficient amount of sample to test for gold (T1021, 20 ppb Au). The values for copper are 144.4-451.2 ppm Cu while the other elements returned mostly background values.

The soil samples were taken at 200-250m intervals along the traverses. The 72 samples have values of 6.1-566.0 ppm Cu and 1-24 ppb Au. The two highest values of copper adjoin the EAGLE 1 claim to the west (S3004: 566.0 ppm Cu, 1 ppb Au) and those to the south (S3055: 509.4 ppm Cu, 12 ppb Au). All the other values are below 237 ppm Cu.

The two soil samples with arsenic anomalies of 42.2 ppm As (S3015) and 82.8 ppm As (S3016) are located in the southwestern part of the claim, near the base line and the Nighthawk Zone. Sample S3016 also has an anomaly of 25.1 ppm Mo.

13.6 Rock Sampling

Rock samples were taken on all five areas of interest and sent for analysis. They include the Gibson Zone, Vector Zone, Mid Zone, Nighthawk Zone and the EAGLE 6 claim.



C4027:	1050.9 ppm Cu, 2 ppb Au
C4028:	511.7 ppm Cu, 4 ppb Au
C4029:	950.2 ppm Cu, 31 ppb Au
C4030:	1730.0 ppm Cu, 144 ppb Au
C4031:	5670.0 ppm Cu, 103 ppb Au
C4032:	7140.0 ppm Cu, 837 ppb Au
C4033:	7320.0 ppm Cu, 487 ppb Au
C4034:	10,800.0 ppm Cu, 246 ppb Au
C4035:	8320.0 ppm Cu, ppb62 Au
C4036:	4300.0 ppm Cu, 20 ppb Au
C4037:	4330.0 ppm Cu, 114 ppb Au
C4038:	6560.0 ppm Cu, 73 ppb Au
C4039:	6560.0 ppm Cu, 75 ppb Au
C4040:	2080.0 ppm Cu, 173 ppb Au
C4041:	6730.0 ppm Cu, 242 ppb Au
C4042:	17,700.0 ppm Cu, 707 ppb Au

Legend

├──┤	Sample locations
C4031: 5670.0 ppm Cu, 103 ppb Au	Chip sample numbers and geochemical results

Scale

0 2 4 m

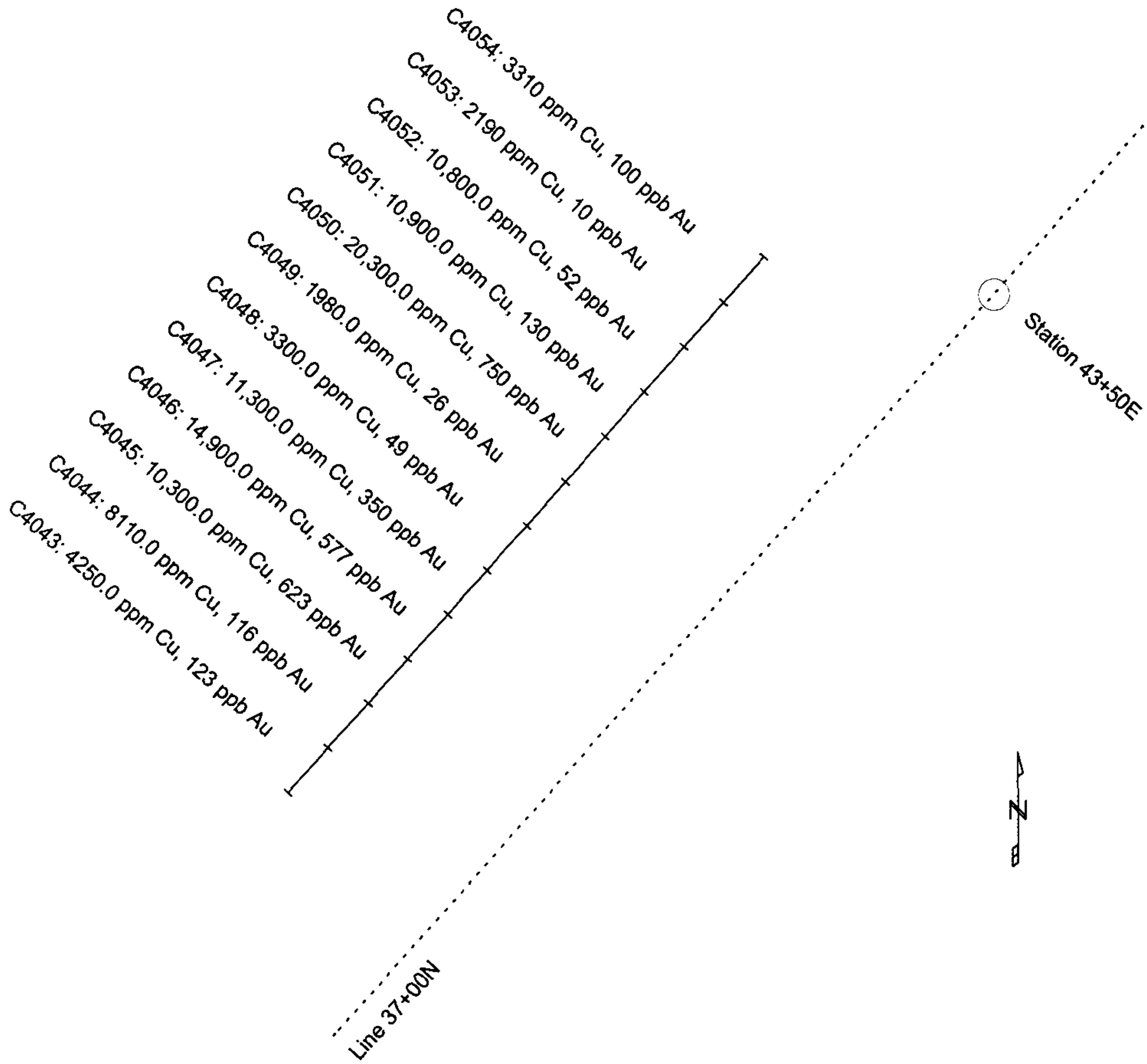
Birch Mountain Resources Ltd.

Chip Sampling Program

Vector Zone, Section A

EAGLE Project, B.C.

Scale: 1:100	NTS: 93 N/2	
Drawn by: DAB	Date: 1996.12.16	Fig. 13.5A



Legend

Sample locations

C4043: 4250.0 ppm Cu, 123 ppb Au — Chip sample numbers and geochemical results

Scale

0 2 4 m

Birch Mountain Resources Ltd.		
Chip Sampling Program Vector Zone, Section B EAGLE Project, B.C.		
Scale: 1:100	NTS: 93 N/2	
Drawn by: DAB	Date: 1996.12.16	Fig. 13.5B

13.6.1 Gibson Zone

Geochemical values for rocks taken at the Gibson Zone are summarized in Table 13.2 and the data is presented in detail in Appendix 3.

The results show that for the 18 samples, only two show very high values for gold. Sample R3033 was taken from a vein and contains about 1.5 g/t Au, 0.38% As, 425.0 ppm Sb, 0.11% Zn, 0.6% Pb and 511.3 ppm Cu. Similarly, sample R3074 contains 5.3 g/t Au, 4.61% As, 2670.0 ppm Sb, 0.02% Zn, 4.0% Pb and 528.0 ppm Cu.

Another sample contains 0.38% (3870 ppm) Cu and only slightly elevated values of cobalt and arsenic (R3034). All of the remaining 15 samples contain mostly background values for all elements except for copper which is slightly higher in a few samples. Gold content is 1-8 ppb Au.

Table 13.2: Geochemistry: Gibson Zone Rock Samples

Location	Sample No.	Cu (ppm)	Pb (ppm)	Zn (ppm)	Co (ppm)	Cd (ppm)	Ag (ppm)	As (ppm)	Sb (ppm)	Au (ppb)
GIBSON	R 3033	511.3	6,550.0	1,109.9	3.8	53.5	9.9	3,823.1	425.0	1,487
GIBSON	R 3034	3,870.0	78.0	682.9	80.7	2.1	5.1	98.9	0.4	8
GIBSON	R 3035	93.1	19.5	125.2	18.4	0.3	0.4	12.0	0.2	1
GIBSON	R 3050	74.5	1.1	59.3	16.6	0.1	0.1	2.4	0.2	1
GIBSON	R 3051	92.4	1.0	55.5	23.7	0.1	0.1	7.1	0.2	1
GIBSON	R 3052	115.2	11.7	55.1	9.7	0.2	0.3	3.5	0.2	4
GIBSON	R 3053	81.1	2.0	14.9	9.4	0.1	0.1	12.7	0.2	2
GIBSON	R 3054	139.9	6.7	36.8	18.0	0.1	0.3	10.5	0.4	1
GIBSON	R 3055	149.7	4.6	31.8	17.7	0.1	0.2	5.3	0.2	1
GIBSON	R 3056	113.7	3.6	77.3	19.4	0.2	0.2	12.8	0.2	2
GIBSON	R 3057	91.9	2.2	60.7	14.4	0.3	0.1	19.0	0.3	2
GIBSON	R 3058	90.9	4.7	131.2	14.1	0.4	0.3	23.3	0.2	1
GIBSON	R 3074	528.0	40,400.0	201.8	0.4	179.5	10.1	46,100.0	2,670.0	5,250
GIBSON	R 3075	239.8	3.9	73.7	27.8	0.1	0.1	8.3	0.2	1
GIBSON	R 3076	90.0	25.1	111.6	13.3	0.3	0.1	6.2	0.2	5
GIBSON	R 3077	226.4	85.9	240.1	22.2	0.9	0.4	9.2	0.3	3
GIBSON	R 3078	521.7	22.7	109.8	16.7	0.4	1.5	15.2	0.2	1
GIBSON	R 3079	177.2	2.4	44.3	14.2	0.1	0.2	6.3	0.2	3

13.6.2 Vector Zone

Twenty-seven samples were submitted for analysis in the vicinity of the Vector Zone. The results are summarized in Table 13.3 and are shown in greater detail in Appendix 3.

Most of the samples in the Vector Zone contain high values of copper, in the range of 1671-24,500 ppm, and many of these contain 140-760 ppb Au. One sample with 16,400 ppm Cu reported 3280 ppb Au, 350.7 ppm Co and 69.7 ppm As (R3064). The correlation between copper and gold is often poor as shown in sample R3017 which contains 182.1 ppm Cu and 370 ppb Au, while R3020 contains 3090 ppm Cu and 11 ppb Au and R3029 contains 19,900 ppm Cu but only 12 ppb Au.

Table 13.3: Geochemistry: Vector Zone Rock Samples

Location	Sample #	Cu (ppm)	Pb (ppm)	Zn (ppm)	Co (ppm)	Mo (ppm)	Ag (ppm)	As (ppm)	Au (ppb)
VECTOR	R 24	10,900.0	11.9	189.8	56.0	15.7	3.5	14.8	650
VECTOR	R 25	5,350.0	4.3	73.0	19.5	54.0	3.1	32.9	490
VECTOR	R 3017	182.1	3.0	51.8	10.9	1.1	0.1	2.3	370
VECTOR	R 3018	3,860.0	4.8	90.7	517.9	9.4	3.5	67.5	400
VECTOR	R 3019	1,671.0	2.7	67.8	26.7	4.9	0.6	4.5	62
VECTOR	R 3020	3,090.0	4.2	97.1	17.8	9.6	5.4	14.0	11
VECTOR	R 3021	3,540.0	2.5	153.7	49.6	1.3	0.3	1.9	720
VECTOR	R 3022	2,320.0	2.7	58.9	16.0	5.0	2.0	5.3	66
VECTOR	R 3023	11,100.0	33.9	180.9	86.3	20.7	4.0	22.3	260
VECTOR	R 3024	4,280.0	4.3	107.8	55.7	10.5	3.4	180.0	20
VECTOR	R 3025	42.9	3.7	78.5	96.0	0.9	0.1	9.1	140
VECTOR	R 3026	393.1	4.7	47.0	19.6	1.1	0.2	7.9	230
VECTOR	R 3027	4,310.0	3.6	143.4	34.5	32.5	3.8	6.1	300
VECTOR	R 3028	9,260.0	3.2	190.8	47.1	19.3	5.1	8.4	10
VECTOR	R 3029	19,900.0	8.4	256.8	36.2	33.8	4.6	23.6	12
VECTOR	R 3059	95.0	2.4	28.4	17.0	1.3	0.2	2.3	3
VECTOR	R 3060	657.9	3.5	87.8	32.2	2.2	0.7	6.9	12
VECTOR	R 3061	1,950.0	4.2	99.8	27.7	2.9	1.3	3.6	12
VECTOR	R 3062	103.4	2.2	26.5	17.3	1.2	0.1	3.0	1
VECTOR	R 3064	16,400.0	13.0	157.8	350.7	78.3	9.6	69.7	3,280
VECTOR	R 3065	16,200.0	12.2	155.6	346.6	78.9	9.8	68.8	650
VECTOR	R 3067	12,300.0	11.2	205.6	167.5	18.7	5.7	214.0	440
VECTOR	R 3069	4,740.0	10.6	167.2	47.0	4.6	2.8	47.1	200
VECTOR	R 3070	24,500.0	15.8	355.7	531.3	34.0	9.7	99.3	760
OUTSIDE VECTOR	R 23	40.8	3.5	40.7	6.3	1.1	0.1	1.7	6
OUTSIDE VECTOR	R 1030	309.8	1.9	32.1	15.8	1.8	0.1	1.9	6
OUTSIDE VECTOR	R 3072	155.5	2.2	21.3	15.2	0.8	0.1	2.5	6

Lead values are mostly low, but zinc and cobalt appear to show a direct correlation with copper values. Silver, molybdenum and arsenic show a similar but somewhat variable pattern.

13.6.3 Mid Zone

Twenty rock samples were submitted from the Mid Zone area, between the Vector and the Nighthawk Zones. A summary of the results is shown in Table 13.4 and all results are shown in Appendix 3.

The results show that the rock samples contain values of up to 3.0% Cu (R21), and 1.3% Cu and 4.1 g/t Au (R17).

A weak correlation also exists between values of gold, lead, zinc, molybdenum, silver and arsenic with those of copper. Samples R3046 and R3047 which contain 0.1% Cu show no correlation with these other elements.

Table 13.4: Geochemistry: Mid Zone Rock Samples

Location	Sample No.	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)	Ag (ppm)	As (ppm)	Au (ppb)
MID ZONE	R 16	109.1	9.3	54.3	3.6	0.8	108.4	100
MID ZONE	R 17	12,800.0	37.8	94.2	4.8	5.0	254.4	4,060
MID ZONE	R 3004	3,060.0	4.5	38.7	3.5	1.5	9.8	68
MID ZONE	R 3063	209.6	1.5	63.0	1.4	0.3	2.6	27
OUTSIDE MID ZONE	R 1033	212.6	3.0	30.9	1.0	0.2	2.0	5
OUTSIDE MID ZONE	R 3038	9.9	3.5	21.7	0.5	0.1	1.5	1
OUTSIDE MID ZONE	R 3039	612.0	0.1	32.4	2.5	0.4	2.7	14
OUTSIDE MID ZONE	R 3040	1,010.0	0.1	38.0	2.9	0.3	3.1	40
OUTSIDE MID ZONE	R 3041	53.5	0.1	38.1	3.3	0.1	2.4	1
OUTSIDE MID ZONE	R 3042	77.6	1.7	35.7	1.0	0.1	3.1	6
MID & NIGHTHAWK	R 20	16,000.0	11.2	105.6	1.5	4.4	33.7	260
MID & NIGHTHAWK	R 21	30,200.0	9.4	164.7	38.4	4.2	6.5	i.s.
MID & NIGHTHAWK	R 22	1,820.0	5.2	40.1	1.3	1.5	1.7	720
MID & NIGHTHAWK	R 1032	877.0	2.6	52.7	0.9	0.4	0.8	6
MID & NIGHTHAWK	R 3043	344.0	0.1	37.8	3.4	0.1	0.4	1
MID & NIGHTHAWK	R 3044	180.5	0.1	87.9	3.1	0.1	0.2	1
MID & NIGHTHAWK	R 3045	422.5	0.1	33.4	2.7	0.4	2.8	1
MID & NIGHTHAWK	R 3046	1,020.0	0.1	25.4	3.5	0.3	3.5	2
MID & NIGHTHAWK	R 3047	1,040.0	0.1	25.3	2.2	0.5	1.5	1
MID & NIGHTHAWK	R 3049	897.0	0.1	18.2	2.5	0.2	4.3	1

13.6.4 Nighthawk Zone

The geochemistry of the 18 rock samples taken at the Nighthawk Zone is summarized in Table 13.5. A high value of about 6.9% Cu and 2.6 g/t Au was returned in sample R19 (Appendix 3). Other samples within the group contain 1.6-2.2% Cu and 0.5-0.8 g/t Au (R18, R3011, R3030 and R3031). Other samples with high copper values have very low values for gold (R1031, R3005, R3007, R3008, R3009 and R3010). Values for arsenic, silver and molybdenum correlate well with the high copper values except for R3011, where there is no corresponding high arsenic.

Table 13.5: Geochemistry: Nighthawk Zone Rock Samples

Location	Sample #	Cu (ppm)	Pb (ppm)	Zn (ppm)	Co (ppm)	Cd (ppm)	Mo (ppm)	Ag (ppm)	As (ppm)	Au (ppb)
NIGHTHAWK	R 18	19,700.0	5.5	151.7	141.9	1.1	45.9	5.6	160.6	550
NIGHTHAWK	R 19	69,600.0	15.7	487.4	132.2	6.1	20.2	3.3	481.5	2,600
NIGHTHAWK	R 1031	1,830.0	1.7	35.7	22.0	0.1	1.4	0.7	5.5	28
NIGHTHAWK	R 3005	1,940.0	0.8	58.4	29.7	0.1	1.2	1.1	2.8	37
NIGHTHAWK	R 3006	237.2	1.1	28.0	19.4	0.1	1.2	0.1	3.9	9
NIGHTHAWK	R 3007	19,400.0	11.7	88.3	142.3	0.1	0.6	1.0	4.4	26
NIGHTHAWK	R 3008	1,560.0	1.7	22.9	15.2	0.1	0.8	0.1	2.4	9
NIGHTHAWK	R 3009	4,340.0	3.2	42.7	21.2	0.1	5.6	1.0	8.5	93
NIGHTHAWK	R 3010	12,700.0	5.4	154.1	33.8	0.7	2.6	3.6	22.5	128
NIGHTHAWK	R 3011	22,300.0	7.4	94.7	29.0	0.1	39.4	6.5	3.5	511
OUTSIDE NIGHTHAWK	R 3012	662.0	0.5	46.9	23.2	0.1	2.2	0.3	3.4	20
OUTSIDE NIGHTHAWK	R 3014	539.0	0.1	22.8	18.1	0.1	3.4	0.4	3.5	16
OUTSIDE NIGHTHAWK	R 3015	521.0	0.1	22.2	22.5	0.1	3.9	0.3	2.0	12
OUTSIDE NIGHTHAWK	R 3016	892.0	2.9	119.3	23.2	0.4	1.0	0.1	6.2	6
OUTSIDE NIGHTHAWK	R 3030	15,900.0	10.0	186.1	68.4	0.7	5.4	9.1	89.8	624
OUTSIDE NIGHTHAWK	R 3031	17,800.0	12.3	234.0	105.3	0.1	8.5	8.6	28.2	794
OUTSIDE NIGHTHAWK	R 3073	123.7	3.0	42.1	16.4	0.1	1.4	0.2	4.9	2
OUTSIDE NIGHTHAWK	R 3013	966.0	0.4	47.1	24.5	0.1	2.2	0.7	3.1	14

13.6.5 EAGLE 6 Claim

The results of the 36 samples taken from the EAGLE 6 claim are summarized in Table 13.6 and the locations are plotted on Fig. 13.6. The data shows that four samples which contain 632.7-2760.0 ppm Cu are located in the southwestern part of the claim and probably represent the southeastern extension of the Nighthawk Zone (R3089, R3090, R3094, and R3107). These samples are the only ones which are accompanied by anomalous quantities of gold, arsenic, silver, molybdenum and cobalt.

Table 13.6: Geochemistry: EAGLE 6 Claim Rock Samples

Location	Sample No.	Cu (ppm)	Pb (ppm)	Zn (ppm)	Co (ppm)	Mo (ppm)	Ag (ppm)	As (ppm)	Au (ppb)
EAGLE 6	R 3080	82.6	4.6	69.4	18.3	1.3	0.1	3.5	3
EAGLE 6	R 3081	77.4	1.9	55.8	13.8	0.7	0.1	1.8	3
EAGLE 6	R 3082	41.8	2.4	25.8	8.2	0.7	0.1	1.2	5
EAGLE 6	R 3083	16.4	1.5	23.0	4.6	0.6	0.1	1.1	1
EAGLE 6	R 3084	29.0	1.6	18.1	3.9	0.8	0.1	1.8	1
EAGLE 6	R 3085	68.7	3.5	43.4	13.3	1.4	0.1	2.9	7
EAGLE 6	R 3086	97.7	2.5	41.5	17.1	1.1	0.1	1.6	6
EAGLE 6	R 3087	91.7	10.9	42.6	15.5	0.7	0.1	5.0	6
EAGLE 6	R 3088	157.3	1.8	34.5	14.0	0.7	0.1	9.6	3
EAGLE 6	R 3089	632.7	3.2	21.7	4.8	0.9	0.5	2.1	57
EAGLE 6	R 3090	3,080.0	3.4	80.9	383.2	38.0	0.8	259.0	130
EAGLE 6	R 3091	92.2	3.1	51.7	12.1	1.1	0.1	5.2	1
EAGLE 6	R 3092	79.5	2.2	35.2	11.1	1.0	0.1	3.0	1
EAGLE 6	R 3093	141.7	1.2	24.4	17.9	2.0	0.2	2.6	16
EAGLE 6	R 3094	2,200.0	4.1	87.7	15.2	2.5	1.4	4.8	66
EAGLE 6	R 3095	161.0	3.3	29.7	14.6	1.3	0.1	1.7	2
EAGLE 6	R 3096	11.8	0.8	39.4	16.6	1.0	0.1	1.2	3
EAGLE 6	R 3097	2.8	0.9	18.7	5.6	1.2	0.1	1.0	1
EAGLE 6	R 3098	17.2	2.2	25.1	5.8	0.6	0.1	0.7	2
EAGLE 6	R 3099	56.7	3.5	40.4	9.0	0.8	0.1	2.2	1
EAGLE 6	R 3100	59.0	3.3	70.6	14.6	1.0	0.1	2.4	1
EAGLE 6	R 3101	121.2	3.6	35.9	8.2	0.8	0.1	2.1	8
EAGLE 6	R 3102	6.0	1.4	28.0	6.3	0.4	0.1	1.2	1
EAGLE 6	R 3103	280.0	5.2	27.9	11.5	1.0	0.1	2.1	8
EAGLE 6	R 3104	68.3	3.3	39.1	14.3	0.9	0.1	1.9	1
EAGLE 6	R 3105	907.7	3.9	51.1	23.0	3.6	1.2	2.3	4
EAGLE 6	R 3106	154.3	4.1	57.7	14.5	0.8	0.1	0.9	4
EAGLE 6	R 3107	2,760.0	8.6	52.8	13.6	1.2	3.1	2.0	8
EAGLE 6	R 3108	339.5	6.4	49.7	19.3	0.7	0.2	2.4	32
EAGLE 6	R 3109	292.4	3.9	31.4	15.8	0.8	0.2	0.8	3
EAGLE 6	R 3110	10.6	3.2	19.7	10.8	0.8	0.1	3.5	1
EAGLE 6	R 3111	3.9	1.9	8.5	1.9	0.3	0.1	0.3	1
EAGLE 6	R 3112	11.0	1.5	26.1	5.4	0.5	0.1	0.6	3
EAGLE 6	R 3113	9.3	2.0	34.7	6.6	0.5	0.1	1.1	1
EAGLE 6	R 3114	97.8	2.9	55.5	17.3	0.9	0.2	2.7	2
EAGLE 6	R 3115	28.2	3.0	18.4	5.1	0.8	0.1	1.3	1

Three other samples show moderately elevated copper values: R3105 (907.7 ppm Cu), R3108 (339.5 ppm Cu) and R3109 (292.4 ppm Cu). Only R3105 contains slightly anomalous molybdenum (3.6 ppm) and silver (1.2 ppm). These samples are located in the southeastern part of the claim and contain no other high value for other elements. Samples near these, such as R3110, R3114 and R3115, contain background values for all elements.

14. DIAMOND DRILLING

The diamond drilling program was conducted from September 11 to October 5, 1996. The objective of the program was to test the geophysical conductors crossing the zones of surface mineralization. Three fences of two holes each were drilled along lines 36+00N, 12+00N and 11+00N for a total of 1838.6m (Table 14.1; Fig. 14.1).

Table 14.1: Diamond Drill Hole Summary

Fence	Drill Hole No.	Northing	Easting	Elevation	Az.	Dip	Total Depth
1	EA-96-1	36+00N	41+35E	976m	042°	-45°	294.74m
1	EA-96-2	36+00N	41+35E	976m	042°	-65°	398.37m
2	EA-96-3	12+00N	39+00E	1392m	042°	-45°	300.84m
2	EA-96-4	12+00N	39+00E	1392m	042°	-65°	349.61m
3	EA-96-5	11+00N	39+25E	1414m	042°	-45°	197.21m
3	EA-96-6	11+00N	39+25E	1414m	042°	-65°	297.79m

14.1 Fence 1

Fence 1 was drilled from the west to intersect three conductors: two minor conductors and conductor J-J' on line 36+00N (Fig. 14.2). The overburden is relatively flat along the cross-section, but the block between conductors J-J' and the one to the west appears to have been downdropped in comparison to areas to the northeast and southwest.

The geophysical response to the western conductor is somewhat weak, but within 2-3m of its projected intersection with EA-96-1, the core is brecciated and sheared and contains 10m of clay alteration (Appendix 8). Within the breccia, up to 2% sulphides are present and the analyses returned 2100 ppm Cu, 2.5 ppm Mo, 1.0 ppm Ag, 22 ppm As and 3.1 ppm Te, which are all anomalous values (D1004) (Fig. 14.3) (Appendix 3).

Where EA-96-2 intersects the conductor, the core is brecciated over a width of 10m and, although there were only limited sulphides, the core returned a value of 1050 ppm Cu, 2.0 ppm Ag, 178 ppm As and 1.5 ppm Te (D1066). Values for gold are 1-21 ppb in this zone. The conductor has an apparent dip of about 75° to the southwest.

The second minor conductor contains 8m of brecciation and clay alteration along EA-96-1. Along EA-96-2, the conductor shows a true width of 2-4m of clay alteration and breccia. As observed on the dip tests, the drill hole steepened considerably when it intersected the breccia and the drillers noticed that the rods were bending at about this point. The conductor has an apparent dip of about 88°SW at this location. Minor sulphides are present and geochemical values of up to 671 ppm Cu (D1090) are present, but gold is only 2-22 ppb in this section of the core.

Where it is intersected by EA-96-1, conductor J-J' shows a breccia with about 10m of clay alteration containing minor sulphides. Where EA-96-2 intersects the same conductor, it appears as a zone of shearing about 40m wide.

Along conductor J-J', the clay alteration zone is much narrower and potassic alteration is more prevalent at depth. Along EA-96-2, mafic dykes are sheared, contain more sulphides and return analyses of up to about 1.1 g/t and 4.4 g/t Au (D1186 and D1128, respectively). Other sections containing sulphides within this wide zone are 1350 ppm Cu (D1143), 1150 ppm Cu (D1178) and 1880 ppm Cu (D1179). This zone also contains some high values of arsenic and cobalt.

The section of core containing sulphides is much wider at the base of EA-96-2. At this location, the conductor J-J' has a dip of 75°SW, but it is possible that the conductor is steeper and that it extends past the end of EA-96-2.

Several other thin shear zones containing sulphides and mafic dykes are present along these drill holes. They are present on EA-96-1 at 145m and 205m and may represent shear zones that splay off the main structures, forming anastomosing structures that may not reach the surface. Alternatively, they may not contain enough conductive material to show up on this Max-Min geophysical survey. These contain up to 2950 ppm Cu and 123 ppb Au (D1020) in diorite containing three zones of sulphide-rich chlorite rock, and 1091 ppm Cu and 27 ppb Au (D1038) in fractured diorite which exhibits potassic, chlorite and epidote alteration.

14.2 Fence 2

Fence 2 was drilled to the east to intersect two conductors including H-H' and one to the west. Because of deep overburden, the conductor to the west of conductor H-H' was not intersected where it was expected (Fig. 14.4). It is probable that this conductor is at a depth of 40m, where a fault was identified in the core of EA-96-4, directly below the trace of the geophysical conductor. A fault zone is accompanied by chlorite and carbonate alteration, but sulphides are not present.

Conductor H-H' was probably not intersected by EA-91-6 and EA-91-7 which were drilled by Noranda at an azimuth of 222°. EA-91-6 was collared too far to the west and EA-91-7 did not go deep enough to intersect the conductor which dips to the west.

In EA-96-3, conductor H-H' was intersected at a depth of 168.2-172.1m where a zone of brecciation and fracturing were encountered. Background values of 89.7 ppm Cu and 6 ppb Au (D1214) were returned from the the core (Fig. 14.5).

In EA-96-4, conductor H-H' has two possible traces. One is at 205.45-211.20m, where fault gouge was intersected with minor sulphides and up to 910 ppm Cu and 13 ppb Au in nearby rocks (D1252). The conductor would then have a dip of about 65°W from EA-96-3 to EA-96-4.

Conductor H-H' may also have steepened and been intersected in EA-96-4 at about 295-305m, where fault gouge is present. In this case the conductor would have a dip of 90° and shows a better correlation with the geophysical interpretation for this conductor. Within 10m of the fault zone, values of 3930 and 5800 ppm Cu (D1258 and D1264, respectively) were recorded, along with up to 2040 ppm Pb and 4260 ppm Zn (D1257) a little further up the hole.

An additional sample showing high values in EA-96-3 is D1225 at 261.0-262.0m with 1570 ppm Cu and 426.3 ppm As. In EA-96-4, sample D1248 at 87.1-88.1m contains 1930 ppm Cu in epidotized and quartz-rich diorite. Sample D1268, near the bottom of the hole at 346.0-346.6m, contains 3690 ppm Cu in fine-grained potassic- and clay-altered diorite.

14.3 Fence 3

Fence 3 was also drilled to intersect conductor H-H' (Fig. 14.6). At 110.5-152.5m in EA-96-5, a zone of highly sheared rock has a true width of 30-35m and is bounded by a fault zone at 149.4-152.5m. This section contained minor sulphides, and gave 31.3-565.0 ppm Cu and 2-13 ppb Au (Fig. 14.7).

In EA-96-6, the same zone narrows to about 25m true width and occurs at a depth of 200-235m along the hole. As with the zone above, it also contains a few zones of sulphides, all less than 1%. The maximum value is 839.0 ppm Cu (D1310), but gold values remain low, at 9-13 ppb Au. As identified, the conductor has a dip of about 86°W.

Only one other sample (D1300) shows anomalous values, at 8360 ppm Cu, 595 ppm Zn and 110 ppb Au from diorite with potassic alteration containing about 3% sulphides.

15. CONCLUSIONS AND RECOMMENDATIONS

Geological, geochemical and geophysical surveys conducted on the EAGLE 1-6 claims have shown that the Main Zone consists of surface copper and gold showings over a zone about 200m wide and 3000m long. These showings consist of chalcopyrite, malachite and azurite with geochemically high values of gold which have been emplaced along a shear and fracture zone which trends northwest and dips steeply to the southwest.

The Main Zone appears to extend to the southeast onto staked ground. The mineralization has been remobilized into subsequent fracture systems which strike east-west and north-south. Many geophysical conductors striking northwest and east-west have been identified throughout the property.

The chalcopyrite, galena and sphalerite mineralization at the Gibson Zone are the result of fluid injection in fractures created in the hornfelsed volcanic rocks at the contact with the diorite intrusion.

Six diamond drill holes at the Main Zone show that the diorite is hydrothermally altered along the steeply dipping shear zones and that this alteration changes from predominantly clay-sericite to potassic with depth. Thin zones of copper and gold enrichment are present in the core and the geochemical values appear to increase at lower elevations.

From the initial phase of exploration, work has been focused on the surface showings of copper and gold. This mineralization has been remobilized to surface along a shear zone, possibly much later than the initial phase of hydrothermal activity and mineralization. More extensive zones of mineralization could be present at depth, in other areas of the property where fracturing and faulting have not brought the mineralization to surface.

It is recommended that future exploration at the EAGLE Property concentrate on identifying zones of hydrothermal alteration at depths of about 200m by conducting I.P. and resistivity surveys along lines trending northeasterly over the full width of the property, starting at lower elevations near the lake.

16. REFERENCES

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1989: Report of work for 1989 on the Eagle property, Omineca Mining Division, for Noranda Exploration Company, Limited; unpublished report.

Appendix 1

Statement of Qualifications

Statement of Qualifications

I, Daniel A. Beauchamp, undersigned, certify that:

1. I am a graduate of the University of Ottawa, Ontario and of the University of Calgary, Alberta;

2. I hold degrees of B.Sc. (Honours Geology) and of M.B.A.;

3. I have been a member in good standing of The Association of Professional Engineers, Geologists and Geophysicists of Alberta (APEGGA) since 1980 and am registered with them as a Professional Geologist;

4. The work presented in this report is a fair and honest reflection of the geology of the areas described, and of their immediate surroundings;

5. The data on which opinions expressed in this report are made derive from field work on this property and from the interpretation of field and laboratory data;

6. I have no interest, direct or indirect, in this property, in Birch Mountain Resources Ltd. or in any of its subsidiaries.

Dated at Calgary, Alberta on this 16th day of December, 1996.

Daniel A. Beauchamp, P. Geol.

Statement of Qualifications

I, Simon X. (Ximo) Fan, hereby certify that:

1. I am a graduate of McMaster University, Canada, the Chinese Academy of Sciences, China and Beijing University, China.

2. I hold the degrees of:
   - Ph.D. in Structural Geology (McMaster, 1995)
   - M.Sc. in Regional Tectonics (The Chinese Academy of Sciences, 1986)
   - B.Sc. in Geomechanics (Beijing, 1983)

3. I have practiced my profession as a geologist continuously since my graduation from Beijing University (1983) in mineral and petroleum exploration and geological research for the Institute of Geology and the Institute of Remote Sensing, The Chinese Academy of Sciences, McMaster University, and Imperial Oil Ltd.

4. I personally took part in the exploration work on the property and supervised the field operations.

5. This report is based on information and data collected from field work and laboratory analyses.

6. I currently do not hold stock in Birch Mountain Resources Ltd.

Dated at Calgary, Alberta on this 16th day of December, 1996.

Simon X. Fan

Statement of Qualifications

I, Brett G. Johnson, residing at 7-1934 12th Avenue S.W., Calgary, Alberta, T3C 0R8 certify that:

1. I am a mineral exploration geologist currently working for Birch Mountain Resources Ltd. of Calgary, Alberta.

2. I am a graduate of the University of North Dakota (1996), Grand Forks, North Dakota, having received a B.Sc. degree in Environmental Geology and Technology.

3. I have personally worked on this property in the field and the office.

4. I currently do not hold stock in Birch Mountain Resources Ltd.

Dated at Calgary, Alberta on this 16th day of December, 1996.

Brett G. Johnson

Appendix 2

Statement of Expenditures

Statement of Expenditures

Wages			
S. Fan			
July 1-Aug 23			
Sept 10-30	75 days @ $350	$26,250.00	
E. Washburn			
July 1-21, July 31-Aug 5			
Aug 22-23	29 days @ $175	$5,075.00	
B. Johnson			
July 1-Aug 23			
Sept 10-30	80 days @ $150	$12,000.00	
S. Reimond			
July 1-7, July 12-19			
July 12-Aug 5,			
Aug 22-23	33 days @ $125	$4,125.00	
G. Mombourquette			
July 12-30	19 days @ $175	$3,325.00	
D.A. Beauchamp			
July 1-7, 12-19, Jul 27-Aug 3			
Aug 17-26., Sept 10-20			
Sept 30-Oct 5	49 days @ $400	$19,600.00	
Sub-total Wages			$70,375.00
Geophysical Crew			
Associated Mining Consultants Ltd., Calgary, AB			
July 12-Aug 5; 2-3 people			$30,533.13
Line cutting			
Hobson Contracting Ltd. Smithers, B.C.			
July 5-24, July 30-Aug 2; 4 people			$31,618.50
Drill Pad Preparation			
Hobson Contracting Ltd., Smithers, B.C.			
Aug 22-25; 4 people			$8,587.93
Diamond Drilling			
Connors Drilling Ltd., Kamloops B.C.			
Sept 10-Oct 5; 4 people, 1842 m			$154,983.44
Drill Pad Cleanup			
Nex Tech, Fort St.James, B.C.			
October 7-9			$4,200.00

Petrologic Study			
Tatra Mineralogical, Calgary, AB			$1,560.00
Float Plane Transportation			
Tsayta Airlines Ltd., Fort St-James, B.C.			
Beaver & Cessna from July 1-Sept. 30		$3,616.60	
Glacier Air, Prince George, B.C.			
Beaver, September		$909.50	
Norhern Lights Aviation, Smithers, B.C.			
Cessna and Single Otter, July & August		$2,947.80	
Sub-total Float Plane Transportation			$7,473.80
Boat Rental			
Peter Koropatnisky, Chuchi Lodge, B.C.			
July-September 3 months @ $750/month			$2,250.00
Helicopters			
Pacific Western Helicopters Ltd, Fort St. James, B.C.			
General support		$4,898.94	
Drilling Program		$29,867.25	
			$34,766.19
Room & Board	drillers	4 @ 26 days	
	geophysical	2 @ 24 days	
	linecutters	4 @ 25 days	
	pad cutters	4 @ 4 days	
	cleanup crew	3 @ 3 days	
	geological	226 days	
		503 days @ $40/day	$20,120.00
Trucks Rental			
Bowmac Truck Rental, Prince George, B.C.			
2 trucks @ 80 days @ $50/day			$8,000.00
All-terrain Vehicles			
Yamaha Suzuki South, Edmonton, AB			
2 @ $2250/month x 3.5 months			$15,750.00

Geochemical Analyses			
Soils	1,176 @ $19.91	$23,414.16	
Stream Sediments	10 @ $19.91	$199.10	
Rocks	500 @ $22.84	$11,420.00	
Sub-total Geochemical Analyses			$35,033.26
Report-writing			
S. Fan	12 days @ $300	$3,600.00	
D. Beauchamp	12 days @ $400	$4,800.00	
Drafting	12 days @ $175	$2,100.00	
Sub-total Report-writing			$10,500.00
Total Project Cost			$435,751.25

Appendix 3

Results of Geochemical Analyses

Geochemical Results

Symbols

*	insufficient sample for gold analysis
**	insufficient sample for double check analysis of gold
s.d.	standard deviation
	all values are in ppm unless otherwise indicated

Sample Prefix

C	chip samples
D	drill core samples
R	rock samples
S	soil samples
SM	soil samples subjected to additional sampling on mini-grid
T	stream sediment samples

EAGLE	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb
C 4001	1,770.0	3.6	4.8	33.3	21.1	0.7	3.2	1.9	0.2	63.2	0.2	0.2	0.2	0.2	0.03	220
C 4002	1,760.0	3.5	4.9	29.6	13.7	0.2	4.4	1.5	0.2	18.1	0.2	0.2	0.2	0.2	0.03	100
C 4003	3,850.0	4.2	5.7	47.0	23.9	0.3	11.5	3.4	0.2	28.5	0.2	0.2	0.2	0.2	0.03	470
C 4004	1,820.0	3.9	4.3	47.5	19.4	0.1	1.6	2.3	3.0	14.3	0.2	0.2	0.2	0.2	0.03	190
C 4005	1,770.0	3.8	4.4	39.2	16.1	0.3	1.4	2.3	20.5	33.9	0.2	0.2	0.2	0.2	0.03	1,870
C 4006	2,188.0	3.4	4.1	45.3	18.7	0.2	10.6	2.7	0.2	22.1	0.2	0.2	0.2	0.2	0.03	120
C 4007	3,120.0	4.7	5.1	48.8	27.4	1.7	5.0	2.5	195.2	169.6	1.0	0.2	0.5	0.2	0.03	470
C 4008	3,130.0	4.7	4.3	68.8	23.7	0.3	1.2	2.2	62.5	27.1	0.2	0.2	0.2	0.2	0.03	200
C 4009	2,750.0	3.9	3.5	56.3	22.7	0.9	3.1	3.4	32.8	87.0	0.2	0.2	0.2	0.2	0.03	470
C 4010	2,500.0	3.9	4.2	50.0	26.7	0.8	14.0	2.1	3.9	75.7	0.2	0.2	0.2	0.2	0.03	340
C 4011	1,925.0	4.0	4.2	39.7	21.9	0.2	3.1	1.0	0.2	20.7	0.2	0.2	0.2	0.2	0.03	40
C 4012	318.2	4.4	2.6	38.3	19.9	0.1	1.0	0.1	0.2	9.6	0.2	0.2	0.2	0.2	0.03	8
C 4013	536.3	3.7	3.7	38.7	23.2	2.2	3.9	0.4	0.2	222.8	0.2	0.2	0.2	0.2	0.03	28
C 4014	3,710.0	5.0	3.8	52.0	24.5	0.1	1.1	0.3	0.2	7.2	0.2	0.2	0.2	0.2	0.03	39
C 4015	1,523.2	4.0	3.5	39.5	28.3	0.1	1.2	0.2	0.2	15.3	0.2	0.2	0.2	0.2	0.03	36
C 4016	1,830.0	3.3	4.3	33.6	13.0	0.2	2.5	3.2	0.2	18.5	0.2	0.2	0.2	0.2	0.03	260
C 4017	3,590.0	3.6	4.6	44.2	19.6	0.1	2.9	2.5	0.2	8.5	0.2	0.2	0.2	0.2	0.03	110
C 4018	2,220.0	4.8	3.6	55.1	28.4	0.1	4.1	1.0	0.2	5.6	0.2	0.2	0.2	0.2	0.03	37
C 4019	3,270.0	2.4	6.2	35.3	15.3	0.2	142.5	3.8	0.2	21.1	0.2	0.2	0.4	0.2	0.03	640
C 4020	50,000.0	8.6	13.7	155.7	117.9	0.1	35.1	4.5	0.2	46.6	0.2	0.2	2.8	0.2	0.03	1,460
C 4021	9,760.0	3.0	6.6	66.8	28.2	0.1	93.8	4.6	0.2	7.1	0.2	0.2	0.3	0.2	0.03	380
C 4022	3,100.0	3.5	4.0	43.5	20.2	0.1	10.4	0.9	0.2	3.0	0.2	0.2	0.2	0.2	0.03	48
C 4023	3,350.0	3.5	5.1	46.2	21.0	0.1	26.0	1.5	0.2	1.1	0.2	0.2	0.2	0.2	0.03	89
C 4024	16,500.0	4.2	11.4	82.4	35.8	0.1	42.4	2.0	0.2	9.3	0.2	0.2	0.7	0.2	0.03	730
C 4025	16,900.0	3.9	11.5	91.0	25.9	0.1	67.0	3.7	0.2	20.2	0.2	0.2	2.0	0.2	0.03	750
C 4026	9,110.0	4.0	9.1	69.6	35.4	0.1	27.9	3.3	0.2	10.2	0.2	0.2	3.0	0.2	0.03	960
C 4027	1,050.9	4.8	6.8	75.1	19.3	0.1	1.8	0.9	16.7	4.3	0.2	0.2	0.2	1.1	0.03	2
C 4028	511.7	5.8	6.3	67.7	13.3	0.1	8.7	0.5	0.2	2.7	0.2	0.2	0.2	0.7	0.03	4
C 4029	950.2	8.0	5.5	79.2	20.7	0.1	6.4	0.7	0.2	3.3	0.2	0.2	0.2	0.4	0.03	31
C 4030	1,730.0	8.8	5.3	61.4	26.6	0.1	3.0	1.0	0.2	5.3	0.2	0.2	0.2	0.7	0.03	144
C 4031	5,670.0	14.1	7.7	97.9	93.6	0.1	3.3	2.4	0.2	11.6	0.2	0.2	0.2	1.3	0.03	103
C 4032	7,140.0	28.7	8.6	129.2	367.5	0.1	40.3	4.6	0.2	68.1	0.2	0.2	0.2	2.2	0.03	837
C 4033	7,320.0	20.8	9.4	103.5	187.4	0.1	61.9	6.2	0.2	78.6	0.2	0.2	0.2	2.5	0.03	487
C 4034	10,800.0	13.8	15.5	174.2	163.0	0.1	42.3	6.4	0.2	43.6	0.2	0.2	0.2	2.6	0.03	246
C 4035	8,320.0	8.0	7.7	163.5	89.9	0.3	41.8	2.9	0.2	6.3	0.2	0.2	0.2	1.7	0.03	62
C 4036	4,300.0	10.1	5.6	108.8	63.7	0.1	13.8	1.4	0.2	4.0	0.2	0.2	0.2	1.0	0.03	20
C 4037	4,330.0	10.0	6.9	130.4	49.0	0.2	26.0	3.1	0.2	16.3	0.2	0.2	0.2	1.1	0.03	114
C 4038	6,560.0	8.2	5.8	100.0	36.4	0.1	16.5	2.3	0.2	5.7	0.2	0.2	0.2	1.4	0.11	73
C 4039	6,560.0	8.8	7.3	106.4	75.8	0.1	31.3	2.3	0.2	9.1	0.2	0.2	0.2	1.2	0.03	75
C 4040	2,080.0	8.9	6.6	88.3	27.8	0.2	26.2	3.8	0.7	14.2	0.2	0.2	0.2	1.6	0.03	173
C 4041	6,730.0	10.4	6.3	152.1	49.0	0.4	8.7	6.0	0.2	16.2	0.2	0.2	0.2	1.4	0.06	242
C 4042	17,700.0	19.7	13.4	319.1	91.8	0.6	11.5	10.9	0.2	45.7	0.2	0.2	0.2	2.8	0.13	707
C 4043	4,250.0	8.3	4.9	124.7	163.8	0.1	6.7	2.4	0.2	7.4	0.2	0.2	0.2	0.9	0.03	123
C 4044	8,110.0	11.7	8.6	165.7	162.3	0.1	15.8	3.3	0.2	58.0	0.2	0.2	0.2	2.1	0.03	116
C 4045	10,300.0	9.5	10.2	217.4	173.0	0.1	24.5	7.6	0.2	30.4	0.2	0.2	0.2	1.9	0.12	623
C 4046	14,900.0	10.4	12.2	281.7	210.2	0.1	20.0	5.0	0.2	50.0	0.2	0.2	0.2	2.8	0.03	577
C 4047	11,300.0	8.9	9.3	179.7	81.6	0.3	16.0	3.7	0.2	17.0	0.2	0.2	0.9	0.6	0.03	350
C 4048	3,300.0	10.1	3.6	109.5	40.5	0.3	3.2	1.3	0.2	8.3	0.3	0.2	0.9	0.4	0.03	49
C 4049	1,980.0	7.7	2.5	88.4	32.0	0.1	5.4	1.2	0.2	5.0	0.2	0.2	0.2	0.5	0.03	26
C 4050	20,300.0	19.1	15.6	237.0	131.7	0.4	12.9	3.4	0.2	38.3	0.2	0.2	3.3	0.4	0.03	750
C 4051	10,900.0	12.3	6.0	236.8	61.0	0.4	42.7	4.6	0.2	8.0	0.2	0.2	1.3	0.2	0.03	130
C 4052	10,800.0	13.4	6.4	232.1	74.3	0.4	23.9	3.4	0.2	5.7	0.2	0.2	0.2	0.2	0.03	52

EAGLE	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb
C 4053	2,190.0	6.6	2.2	100.9	30.0	0.2	7.6	1.4	0.2	4.6	0.2	0.2	0.2	0.5	0.03	10
C 4054	3,310.0	8.2	2.5	70.0	52.3	0.1	12.1	2.0	0.2	13.4	0.2	0.2	0.2	0.2	0.03	100

Chip Sample Statistics:	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb
Count	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
Mean	6,401.7	7.8	6.5	100.0	60.7	0.3	19.5	2.8	6.4	28.7	0.2	0.2	0.5	0.7	0.04	301.7
s.d.	7,690.0	5.2	3.3	68.3	66.1	0.4	25.3	2.0	27.8	39.6	0.1	0.0	0.7	0.8	0.02	370.8
Maximum	50,000.0	28.7	15.6	319.1	367.5	2.2	142.5	10.9	195.2	222.8	1.0	0.2	3.3	2.8	0.13	1,870
Minimum	318.2	2.4	2.2	29.6	13.0	0.1	1.0	0.1	0.2	1.1	0.2	0.2	0.2	0.2	0.03	2
Mean + 2 s.d.	21,781.7	18.2	13.0	236.6	192.9	1.0	70.2	6.8	61.9	107.8	0.4	0.2	1.9	2.3	0.08	1,043.2

Correlation Coefficients: Chip Samples

	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb
Cu	1.000	0.321	0.751	0.562	0.379	(0.114)	0.296	0.493	(0.102)	0.028	(0.065)	(0.000)	0.664	0.178	0.173	0.572
Ni		1.000	0.529	0.677	0.811	(0.114)	0.102	0.543	(0.138)	0.081	(0.074)	0.000	0.115	0.693	0.247	0.150
Pb			1.000	0.681	0.560	(0.142)	0.367	0.666	(0.116)	0.065	(0.075)	(0.000)	0.523	0.554	0.260	0.499
Zn				1.000	0.595	(0.073)	0.119	0.694	(0.150)	(0.036)	(0.100)	0.000	0.248	0.628	0.440	0.180
Co					1.000	(0.163)	0.191	0.515	(0.120)	0.173	(0.074)	(0.000)	0.080	0.715	0.146	0.270
Cd						1.000	(0.166)	(0.017)	0.527	0.877	0.516	0.000	(0.028)	(0.168)	0.015	0.019
Mo							1.000	0.384	(0.138)	(0.050)	(0.089)	0.000	0.187	0.133	(0.032)	0.284
Ag								1.000	(0.042)	0.122	(0.034)	(0.000)	0.140	0.635	0.571	0.441
W									1.000	0.491	0.925	0.000	(0.026)	(0.139)	(0.059)	0.105
As										1.000	0.478	(0.000)	(0.004)	0.081	(0.008)	0.198
Sb											1.000	0.000	0.019	(0.101)	(0.041)	0.050
Bi												1.000	0.000	(0.000)	(0.000)	0.000
Se													1.000	(0.217)	(0.097)	0.504
Te														1.000	0.437	0.052
Hg															1.000	0.118
Au, ppb																1.000

EAGLE	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb
D 1001	240.0	5.2	9.8	82.1	22.0	0.2	1.3	0.4	0.2	0.2	0.2	0.5	0.2	0.5	0.03	15
D 1002	392.8	4.5	8.9	58.4	22.7	0.5	1.1	0.2	0.2	6.2	0.2	0.4	0.2	0.6	0.03	8
D 1003	89.7	3.3	50.8	163.7	19.7	1.0	1.0	0.3	0.2	1.4	0.2	0.8	0.2	1.9	0.03	5
D 1004	2,100.0	4.9	20.9	215.7	220.9	0.1	2.5	1.0	0.2	22.0	0.2	0.4	0.2	3.1	0.03	18
D 1005	143.8	3.9	4.6	86.6	28.1	0.1	2.5	0.2	0.2	3.9	0.2	0.6	0.2	0.6	0.17	3
D 1006	357.0	3.3	3.0	29.8	15.6	0.1	1.2	0.2	0.2	5.2	0.2	0.4	1.1	0.5	0.03	9
D 1007	127.5	3.5	3.5	55.0	23.2	0.1	1.1	0.2	0.2	8.5	0.2	0.5	0.2	2.3	0.31	21
D 1008	26.5	3.7	3.2	86.2	29.2	0.1	1.5	0.1	0.2	7.4	0.2	0.5	0.2	1.7	0.40	7
D 1009	29.3	3.7	1.8	75.5	14.8	0.1	1.3	0.1	0.2	0.2	0.2	0.5	0.2	1.1	0.03	1
D 1010	593.0	5.6	6.2	80.8	22.2	0.1	2.0	0.3	0.2	4.2	0.2	0.4	0.2	1.4	0.03	57
D 1011	145.2	3.4	2.9	42.5	16.2	0.1	0.7	0.2	0.2	2.4	0.2	0.5	0.2	1.1	0.06	5
D 1012	107.7	3.9	8.8	113.7	38.0	0.1	1.2	0.4	0.2	8.9	0.2	0.6	0.2	0.8	0.22	1
D 1013	175.6	3.4	2.8	54.9	13.2	0.1	1.4	0.3	0.2	3.0	0.2	0.5	0.2	0.9	0.03	7
D 1014	243.0	3.1	19.5	56.2	16.0	0.4	1.8	1.1	0.2	16.2	0.2	0.4	0.2	0.2	0.03	37
D 1015	337.0	3.3	8.9	70.9	16.1	0.1	1.6	0.3	0.2	2.7	0.2	0.5	0.2	1.3	0.12	5
D 1016	65.3	3.2	3.9	74.6	13.6	0.1	1.5	0.2	0.2	2.4	0.2	0.5	0.2	0.2	0.03	1
D 1017	111.8	3.3	2.8	43.3	14.2	0.1	1.2	0.1	0.2	3.6	0.8	1.5	0.2	0.2	0.10	3
D 1018	126.7	3.1	0.6	22.6	15.7	0.1	1.3	0.1	0.2	0.6	0.2	1.4	0.2	0.2	0.03	5
D 1019	37.6	3.2	2.5	61.6	18.0	0.1	3.0	0.1	0.2	2.7	0.2	3.2	0.2	0.3	0.03	4
D 1020	2,950.0	4.0	7.3	105.5	39.6	0.2	3.0	1.3	0.2	13.6	0.2	0.2	0.2	1.5	0.05	123
D 1021	151.4	3.7	3.0	54.5	18.7	0.1	2.2	0.1	0.2	5.9	0.2	1.6	0.2	0.2	0.03	6
D 1022	158.5	4.0	1.8	64.6	18.4	0.1	1.6	0.1	0.2	6.0	0.2	1.4	0.2	0.2	0.10	5
D 1023	41.5	3.4	1.7	64.9	18.4	0.1	1.3	0.1	0.2	4.3	0.2	2.9	0.2	0.4	0.05	5
D 1024	60.5	3.3	3.5	76.6	18.6	0.2	2.1	0.1	0.2	2.1	0.2	2.9	0.2	0.7	0.07	5
D 1025	38.0	3.6	2.8	74.8	18.8	0.1	0.4	0.1	0.2	0.8	0.2	2.5	0.2	1.5	0.03	1
D 1026	43.6	3.2	36.2	271.3	16.8	2.6	1.2	0.6	0.2	14.9	0.2	4.0	0.2	0.8	0.09	9
D 1027	54.3	3.5	2.7	81.2	19.0	0.1	0.7	0.1	0.2	2.1	0.2	1.8	0.2	1.0	0.03	5
D 1028	88.7	3.3	2.6	53.6	16.0	0.1	0.4	0.1	0.2	0.6	0.2	1.7	0.2	1.0	0.03	2
D 1029	139.6	3.0	729.0	1,230.0	15.2	10.7	0.4	1.4	0.2	21.4	0.2	1.9	0.2	1.6	0.05	16
D 1030	86.0	2.9	292.7	620.0	14.4	4.9	1.4	0.9	0.2	6.9	0.2	3.3	0.2	1.3	0.03	8
D 1031	47.2	3.2	1.5	38.7	14.9	0.1	1.5	0.1	0.2	3.3	0.2	0.4	0.2	0.8	0.06	4
D 1032	69.1	3.2	5.5	64.5	17.3	0.3	3.6	0.5	0.2	4.0	0.2	2.7	1.0	0.2	0.05	2
D 1033	82.5	3.6	3.1	59.0	17.3	0.1	1.1	0.3	0.2	2.8	0.2	2.5	0.2	0.2	0.03	5
D 1034	110.0	3.5	3.1	43.3	17.5	0.1	0.9	0.1	0.2	3.9	0.2	3.4	0.2	0.2	0.03	3
D 1035	63.6	3.0	12.1	108.0	17.9	0.6	1.4	1.1	0.2	52.6	0.2	5.3	0.2	0.5	0.03	28
D 1036	53.1	2.6	5.3	106.1	13.0	0.1	2.6	0.2	0.2	4.0	0.2	4.4	0.2	0.3	0.07	6
D 1037	185.6	3.6	2.2	97.0	13.3	0.1	2.4	0.1	0.2	2.6	0.2	3.3	0.2	0.2	0.03	1
D 1038	1,091.0	3.8	6.4	100.1	16.4	0.9	2.2	0.5	0.2	4.9	0.2	0.2	0.2	0.2	0.03	27
D 1039	86.5	3.1	2.0	59.5	13.6	0.1	1.7	0.1	0.2	2.7	0.2	2.0	0.2	0.2	0.03	6
D 1040	107.9	3.5	3.0	82.2	16.9	0.1	1.4	0.1	0.2	0.2	0.2	4.4	0.2	0.2	0.10	3
D 1041	563.0	3.7	3.1	110.7	20.1	0.1	2.1	0.2	0.2	4.4	0.2	1.5	0.2	1.5	0.03	2
D 1042	53.7	2.9	3.6	62.0	15.0	0.1	1.8	0.1	0.2	0.2	0.2	2.6	0.2	0.2	0.18	1
D 1043	121.9	2.8	2.4	55.5	15.0	0.1	1.9	0.4	0.2	8.3	0.2	3.5	0.2	0.9	0.12	8
D 1044	105.3	3.4	2.8	47.6	17.0	0.1	1.5	0.1	0.2	0.9	0.2	3.6	0.2	0.7	0.03	1
D 1045	170.1	2.6	7.2	61.0	15.4	0.2	1.7	0.6	0.2	2.9	0.2	3.3	0.2	0.8	0.07	1
D 1046	126.7	2.5	842.0	1,870.0	14.7	14.5	0.9	0.9	0.2	16.6	0.2	4.0	0.2	3.0	0.03	12
D 1047	39.3	2.1	21.0	125.2	11.2	0.7	1.3	0.9	0.2	10.1	0.2	5.4	0.2	0.3	0.03	6
D 1048	70.3	2.3	7.1	113.2	14.5	0.4	1.3	0.5	0.2	3.8	0.2	4.8	0.2	1.2	0.08	1
D 1049	87.5	2.5	12.7	105.2	15.2	0.4	1.9	1.0	0.2	16.6	0.2	2.7	0.2	2.0	0.10	8
D 1050	71.3	2.9	234.7	144.3	20.2	2.2	2.1	2.8	0.2	112.5	0.2	2.5	0.2	0.6	0.03	73
D 1051	77.0	2.5	31.5	90.0	14.4	0.7	1.0	1.2	0.2	42.7	0.2	4.1	0.2	0.3	0.05	24
D 1052	189.6	2.0	22.3	83.4	12.7	0.5	2.4	1.3	0.2	28.5	0.2	1.4	0.2	1.6	0.08	23

EAGLE	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb
D 1053	179.1	1.7	23.4	79.5	9.5	0.5	2.0	0.9	0.2	9.9	0.2	2.2	0.2	1.3	0.03	7
D 1054	119.1	2.7	21.4	97.1	14.7	0.8	2.2	1.4	0.2	28.8	0.2	3.7	0.2	0.9	0.06	24
D 1055	101.4	3.5	2.3	139.0	20.6	0.2	1.8	0.6	0.2	4.7	0.2	3.3	0.2	1.1	0.09	7
D 1056	110.0	3.3	1.7	102.9	18.8	0.2	0.8	0.7	0.2	3.0	0.2	3.3	0.2	0.7	0.08	7
D 1057	116.9	2.7	10.5	118.3	16.6	0.7	1.5	0.8	0.2	19.7	0.2	3.2	0.2	1.2	0.03	10
D 1058	66.7	3.2	9.5	110.5	20.6	0.6	0.1	0.9	0.2	32.0	0.2	3.4	0.2	2.9	0.03	11
D 1059	99.5	2.4	2.1	53.4	13.5	0.2	1.0	0.3	0.2	1.1	0.2	2.9	0.2	0.2	0.10	4
D 1060	101.3	3.1	20.8	92.2	15.9	0.5	1.0	0.3	0.2	3.4	0.2	3.5	0.2	1.0	0.07	3
D 1061	124.9	3.2	67.8	172.0	17.1	1.2	1.4	0.6	0.2	9.8	0.2	4.4	0.2	1.5	0.03	7
D 1062	141.5	4.2	5.8	53.8	19.7	0.2	1.1	0.1	0.2	4.0	0.2	1.6	0.2	0.7	0.03	9
D 1063	154.3	4.1	4.6	60.0	21.5	0.1	1.6	0.2	0.2	7.9	0.2	3.3	0.2	0.9	0.03	15
D 1064	128.0	4.1	19.0	92.0	17.6	0.4	1.3	0.1	0.2	0.3	0.2	3.6	0.2	1.0	0.03	5
D 1065	109.5	3.1	5.3	46.0	18.0	0.1	1.6	0.2	0.2	4.4	0.2	2.8	0.2	0.2	0.33	9
D 1066	1,050.0	1.9	93.2	101.6	85.4	0.8	0.1	2.0	0.2	18.0	0.2	0.2	0.2	1.5	0.03	25
D 1067	509.0	2.6	178.9	205.3	42.4	2.7	0.4	0.3	0.2	2.9	0.2	0.9	0.2	0.9	0.03	10
D 1068	50.2	2.7	7.7	53.4	19.6	0.1	2.0	0.1	0.2	0.6	0.2	2.3	0.2	1.1	0.03	1
D 1069	37.5	3.1	9.9	100.2	25.8	0.1	1.5	0.1	0.2	10.3	0.2	3.7	0.2	1.6	0.03	4
D 1070	67.8	2.1	6.9	78.4	11.3	0.7	1.3	0.7	0.2	22.5	0.2	4.9	0.2	1.3	0.03	11
D 1071	46.3	2.9	43.4	76.7	20.7	1.8	1.8	1.8	0.2	181.1	0.2	4.8	0.2	1.5	0.03	95
D 1072	75.6	2.0	6.3	90.2	34.3	0.6	0.8	0.7	0.2	28.7	0.2	5.2	0.2	1.1	0.03	7
D 1073	67.5	3.1	5.8	77.6	18.5	0.1	0.4	0.4	0.2	3.5	0.2	3.7	0.2	1.2	0.03	8
D 1074	50.5	3.0	4.7	136.5	22.9	0.3	1.4	0.1	0.2	3.2	0.2	4.8	0.2	0.5	0.03	2
D 1075	39.8	3.9	3.9	70.1	15.6	0.2	1.7	0.1	0.2	3.8	0.2	1.7	0.2	0.8	0.03	5
D 1076	88.9	4.2	5.3	65.3	16.1	0.2	1.0	0.1	0.2	2.9	0.2	1.9	0.2	0.2	0.10	8
D 1077	83.7	3.4	5.0	60.7	20.1	0.2	2.5	0.2	0.2	2.2	0.2	2.8	0.2	0.2	0.03	6
D 1078	69.8	3.4	3.6	84.8	19.7	0.1	1.7	0.1	0.2	2.1	0.2	4.5	0.2	0.4	0.03	2
D 1079	22.7	4.1	2.9	113.1	20.0	0.1	0.7	0.1	0.2	1.4	0.2	1.4	0.2	0.2	0.03	1
D 1080	165.2	2.2	3.6	61.4	11.5	0.1	1.4	0.4	0.2	3.0	0.2	2.8	1.4	0.5	0.09	12
D 1081	135.6	2.4	8.7	400.5	19.5	9.0	1.7	0.3	0.2	5.6	0.2	1.3	0.2	0.5	0.04	5
D 1082	652.0	1.3	11.9	309.6	5.4	3.3	0.6	0.7	0.2	1.4	0.2	0.3	0.4	0.2	0.04	6
D 1083	52.3	2.5	40.8	92.2	15.2	1.1	1.7	1.1	0.2	39.9	0.2	3.7	0.2	1.1	0.06	37
D 1084	93.3	3.6	6.8	105.1	18.8	0.1	1.1	0.1	0.2	0.7	1.0	0.8	0.2	0.2	0.03	4
D 1085	150.9	3.4	7.6	89.9	14.3	0.1	1.2	0.1	0.2	2.4	0.2	2.0	0.2	0.2	0.03	8
D 1086	664.0	3.9	55.4	169.9	19.6	1.0	2.8	0.9	0.2	4.9	0.2	4.9	0.2	0.2	0.07	19
D 1087	349.6	3.5	7.1	121.9	16.2	0.2	3.1	0.4	0.2	2.1	0.2	1.8	0.2	0.3	0.03	8
D 1088	176.9	3.3	6.4	142.4	17.4	0.1	2.8	0.1	0.2	2.2	0.2	2.6	0.2	0.3	0.03	2
D 1089	135.9	3.6	5.8	116.8	16.2	0.2	2.2	0.1	0.2	1.9	0.2	1.6	0.2	0.2	0.05	20
D 1090	671.0	4.0	9.5	108.9	25.8	0.2	3.2	0.5	0.2	10.9	0.2	0.2	0.2	0.2	0.03	20
D 1091	60.0	3.2	6.5	73.4	12.8	0.1	2.2	0.1	0.2	4.4	0.2	1.5	0.2	0.2	0.03	3
D 1092	247.1	3.0	11.3	76.4	26.2	0.1	2.1	0.1	0.2	17.8	0.2	2.3	0.2	0.2	0.03	22
D 1093	108.0	2.9	137.3	203.2	14.0	1.5	1.2	0.6	0.2	12.6	0.2	2.7	0.2	0.2	0.03	11
D 1094	91.8	3.2	1.2	38.8	13.4	0.1	1.6	0.1	0.2	0.2	0.4	0.7	0.2	0.2	0.03	3
D 1095	70.3	3.2	4.2	49.3	13.5	0.1	0.1	0.1	0.2	3.0	0.2	2.1	0.2	0.2	0.03	1
D 1096	115.0	3.2	2.4	48.2	16.6	0.1	0.5	0.1	0.2	2.6	0.2	1.7	1.0	0.2	0.03	4
D 1097	145.9	3.7	2.9	67.1	16.5	0.1	0.6	0.3	0.2	0.3	0.2	3.1	0.2	0.2	0.03	45
D 1098	177.1	2.9	2,320.0	107.8	15.7	0.8	2.0	2.1	0.2	37.7	0.2	3.1	0.2	1.0	0.03	25
D 1099	92.7	2.6	5.7	86.2	15.2	0.4	1.5	0.5	0.2	1.4	0.2	4.1	0.2	0.8	0.03	1
D 1100	337.8	2.7	163.8	74.1	18.0	0.5	1.7	2.4	0.2	57.7	0.2	2.8	0.2	0.3	0.03	49
D 1101	129.6	3.2	10.0	76.6	16.5	0.1	0.5	0.3	0.2	2.4	0.4	2.1	0.2	0.2	0.03	6
D 1102	75.4	3.2	2.5	61.3	16.9	0.1	0.9	0.1	0.2	3.3	0.2	2.9	0.2	0.2	0.03	1
D 1103	81.2	8.1	2.2	48.1	16.0	0.1	2.0	0.1	0.2	1.7	0.2	2.5	0.2	0.2	0.03	1
D 1104	195.8	6.9	24.4	135.3	18.2	1.6	0.6	0.3	0.2	0.2	0.2	1.2	0.2	1.3	0.03	8

EAGLE	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb
D 1105	38.9	9.3	4.3	60.2	15.9	0.3	2.0	0.1	0.2	1.7	0.7	1.0	0.2	0.9	0.03	1
D 1106	85.6	2.8	4.7	53.6	14.3	0.1	1.0	0.2	0.2	5.1	0.2	1.5	0.2	0.2	0.03	67
D 1107	106.7	4.4	5.6	153.0	19.8	0.1	2.0	0.3	0.2	1.7	0.2	4.5	0.2	0.4	0.03	6
D 1108	87.6	2.6	626.0	1,510.0	15.6	12.3	0.7	1.5	0.2	12.2	0.2	3.5	0.2	0.8	0.12	37
D 1109	81.7	2.7	370.8	657.0	14.4	5.2	1.0	0.9	0.2	8.1	0.2	3.8	0.2	1.3	0.08	6
D 1110	73.5	3.0	3.1	60.0	17.2	0.1	1.5	0.2	0.2	4.3	0.2	3.6	0.2	0.9	0.03	13
D 1111	86.9	3.4	275.5	638.0	15.9	4.8	0.9	1.0	0.2	16.5	0.2	2.5	0.2	0.2	0.03	4
D 1112	69.6	3.4	25.5	111.1	16.4	0.2	1.7	0.4	0.2	8.9	0.2	3.2	0.2	0.9	0.03	6
D 1113	74.2	3.8	5.0	80.4	16.1	0.1	2.1	0.1	0.2	2.7	0.2	3.0	0.2	0.2	0.03	1
D 1114	168.9	3.5	4.9	62.6	17.2	0.1	2.8	0.3	0.2	5.1	0.2	1.6	0.2	0.2	0.03	8
D 1115	51.9	3.3	2.9	34.9	15.3	0.1	0.7	0.1	0.2	2.8	0.2	2.0	0.2	0.2	0.03	3
D 1116	47.8	3.5	0.9	29.0	14.0	0.1	0.5	0.1	0.2	1.8	0.2	1.3	0.2	0.2	0.03	1
D 1117	109.9	3.7	0.5	77.5	23.0	0.1	3.7	0.1	0.2	6.2	0.2	1.8	0.2	1.2	0.03	6
D 1118	39.0	4.1	2.3	54.4	17.4	0.1	0.8	0.1	0.2	5.0	0.2	2.5	0.2	0.2	0.03	6
D 1119	46.3	3.6	1.5	61.6	16.0	0.1	1.8	0.1	0.2	0.6	0.2	1.8	0.2	0.3	0.03	2
D 1120	128.2	3.7	540.0	790.0	17.8	6.8	1.6	1.4	0.2	56.5	0.2	2.4	0.2	0.2	0.04	22
D 1121	48.6	3.3	114.7	190.4	15.1	1.3	1.2	0.3	0.2	3.4	0.2	2.1	0.2	1.1	0.03	3
D 1122	85.0	4.0	6.1	121.6	22.0	0.2	16.9	0.1	0.2	5.2	0.2	1.1	0.2	1.1	0.03	1
D 1123	43.1	3.7	3.5	101.8	15.1	0.1	0.9	0.1	0.2	6.6	0.2	3.6	0.2	0.2	0.03	3
D 1124	47.4	4.3	2.7	112.9	18.5	0.1	1.8	0.1	0.2	3.9	0.2	1.7	0.2	0.2	0.04	1
D 1125	55.4	4.2	2.5	92.4	15.9	0.1	2.8	0.1	0.2	0.2	0.2	2.7	0.2	0.7	0.03	1
D 1126	142.3	7.1	3.6	77.9	18.0	0.9	1.2	0.1	0.2	4.8	0.2	0.7	0.2	0.2	0.07	1
D 1127	80.2	4.0	3.5	65.7	15.3	0.1	2.4	0.1	0.2	3.8	0.2	1.1	0.2	0.2	0.03	4
D 1128	607.0	8.2	43.9	109.7	104.4	1.7	0.3	1.4	0.2	137.0	0.2	8.2	0.6	1.9	0.03	4,408
D 1129	85.3	4.1	4.4	40.1	38.3	0.1	1.5	0.2	0.2	27.0	0.2	2.4	0.8	0.2	0.05	99
D 1130	67.6	3.2	3.4	55.2	19.3	0.1	2.5	0.1	0.2	4.8	0.2	3.8	0.9	0.3	0.03	120
D 1131	232.4	3.4	2.6	104.3	25.2	0.4	2.1	0.3	0.2	5.3	0.2	0.5	0.2	0.2	0.03	59
D 1132	144.8	9.1	11.7	91.6	64.4	0.3	1.2	0.4	0.2	16.3	0.2	2.2	0.2	0.8	0.03	37
D 1133	86.2	3.6	10.6	100.4	19.8	0.3	1.4	0.1	0.2	2.7	0.2	1.9	0.2	0.2	0.03	5
D 1134	320.9	4.5	5.8	35.8	15.5	0.1	1.3	0.2	0.2	1.7	0.2	0.2	0.2	0.2	0.03	12
D 1135	41.5	3.8	1.6	34.7	14.9	0.1	1.8	0.1	0.2	0.4	0.2	1.3	0.2	0.2	0.03	5
D 1136	119.2	3.3	3.1	32.4	15.2	0.1	0.6	0.1	0.2	3.0	0.2	1.1	0.2	0.4	0.10	19
D 1137	135.8	3.6	2.9	52.2	16.2	0.4	1.4	0.1	0.2	2.7	0.6	1.2	0.2	0.2	0.03	9
D 1138	121.1	2.9	51.3	142.0	14.8	0.9	2.0	1.2	0.2	16.0	0.2	5.0	0.2	2.0	0.10	27
D 1140A	123.8	3.3	1,070.0	2,230.0	15.4	23.5	1.4	2.0	0.2	11.2	0.2	5.5	0.8	3.3	0.03	15
D 1140B	90.9	4.0	3.2	91.5	17.7	0.3	0.9	0.2	0.2	0.2	0.8	2.7	0.2	0.7	0.18	9
D 1141	66.8	4.0	3.8	40.0	14.6	0.1	0.9	0.2	0.2	1.0	0.2	1.9	0.2	1.1	0.03	11
D 1142	92.5	3.4	3.3	42.7	14.6	0.1	0.6	0.3	0.2	0.3	0.2	1.1	0.2	1.0	0.03	31
D 1143	1,350.0	5.5	11.9	108.2	29.8	1.3	1.3	1.6	0.2	9.3	0.2	0.2	0.2	3.0	0.04	200
D 1144	150.6	3.9	193.8	543.0	23.7	4.8	1.6	2.1	0.2	29.9	0.2	4.4	0.3	1.7	0.03	56
D 1145	239.4	4.2	29.7	169.5	33.3	0.8	1.9	2.4	0.2	11.3	0.2	21.3	0.2	1.9	0.03	39
D 1146	249.2	5.1	13.0	180.8	52.7	0.7	2.0	0.8	0.2	25.3	0.2	6.5	0.2	2.5	0.14	100
D 1147	109.1	4.1	1.5	54.4	17.7	0.1	1.6	0.2	0.2	4.2	0.2	3.7	0.2	0.7	0.03	36
D 1148	113.3	4.0	4.2	60.4	21.6	0.1	2.0	0.3	0.2	4.0	0.2	1.2	0.2	1.4	0.03	17
D 1149	137.0	3.4	4.0	64.2	19.2	0.1	2.6	0.3	0.2	4.2	0.2	3.7	0.2	1.1	0.10	35
D 1150	50.0	3.8	3.1	65.2	15.2	0.1	0.5	0.3	0.2	3.8	0.2	1.8	0.2	1.1	0.07	16
D 1151	65.6	4.2	19.0	97.0	15.8	0.3	1.0	0.2	0.2	0.2	0.2	4.9	0.2	0.2	0.03	35
D 1152	499.0	4.5	20.1	111.6	22.3	0.3	1.3	0.8	0.2	0.5	0.2	10.4	0.2	1.4	0.08	290
D 1153	332.9	3.5	14.9	142.6	17.4	0.5	2.0	1.2	0.2	21.0	0.2	6.9	0.2	1.6	0.03	12
D 1154	307.2	2.9	6.3	387.8	20.4	1.7	1.8	1.3	0.2	17.0	0.2	20.2	0.2	2.4	0.03	37
D 1155	254.2	3.2	3.9	144.4	17.5	0.2	2.3	0.6	0.2	10.4	0.2	3.7	0.2	1.9	0.04	9
D 1156	104.0	4.1	1.5	75.8	19.6	0.3	1.8	0.2	0.2	3.7	0.2	2.8	0.4	0.9	0.08	6

EAGLE	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb
D 1157	194.9	3.6	2.1	74.2	16.4	0.2	1.6	0.5	0.2	5.0	0.2	4.2	0.6	0.3	0.03	8
D 1158	152.7	3.7	2.8	86.4	16.0	0.2	2.9	0.3	0.2	5.8	0.2	1.9	0.2	0.2	0.03	7
D 1159	1,030.0	3.3	3.0	77.2	15.7	0.4	1.1	1.5	0.2	12.1	0.2	1.7	0.2	0.2	0.03	110
D 1160	328.9	3.2	1.5	80.3	14.7	0.1	1.9	0.2	0.2	5.7	0.2	0.6	0.2	2.1	0.03	7
D 1161	152.3	3.4	2.5	107.0	17.9	0.3	2.4	0.2	0.2	11.5	0.2	3.0	0.2	0.2	0.04	8
D 1162	130.7	3.3	2.6	107.4	14.7	0.4	1.9	0.2	0.2	3.0	0.2	3.1	0.2	0.2	0.03	6
D 1163	124.4	3.3	2.0	85.2	16.3	0.4	2.3	0.2	0.2	5.4	0.2	4.8	0.2	0.5	0.03	5
D 1164	277.5	4.8	4.4	80.7	29.0	0.5	2.1	0.6	0.2	33.4	0.2	8.9	0.2	0.9	0.03	8
D 1165	219.3	3.4	1.8	131.2	14.6	0.3	0.8	0.4	0.2	7.3	0.2	1.3	0.2	0.9	0.19	11
D 1166	343.4	3.4	3.7	63.1	16.4	0.2	1.3	0.4	0.2	11.3	0.2	4.5	0.2	0.2	0.03	5
D 1167	81.9	3.7	2.1	62.1	11.9	0.1	1.7	0.2	0.2	2.9	0.2	1.7	0.2	0.2	0.13	3
D 1168	111.0	2.6	1.3	53.3	14.1	0.1	1.8	0.2	0.2	6.0	0.2	1.3	0.2	0.2	0.07	6
D 1169	264.3	2.2	0.8	56.5	11.2	0.4	2.0	0.3	8.6	5.7	0.2	2.4	0.2	0.2	0.03	5
D 1170	196.6	3.1	2.9	51.5	11.8	0.3	1.2	0.6	0.2	9.6	0.2	4.6	0.2	0.2	0.14	8
D 1171	301.9	3.5	2.5	51.2	14.9	0.3	0.1	0.2	0.2	2.6	0.2	2.1	0.7	0.5	0.11	7
D 1172	163.6	3.4	0.6	56.4	13.9	0.4	1.1	0.4	0.2	2.7	0.2	4.4	0.2	1.2	0.06	2
D 1173	81.8	2.9	0.3	59.2	13.6	0.1	2.3	0.2	0.2	3.7	0.2	2.7	0.2	0.2	0.03	7
D 1174	190.7	3.2	0.4	62.8	22.2	0.4	1.6	0.3	1.8	15.8	0.2	2.7	0.2	0.2	0.03	11
D 1175	96.2	3.0	1.5	66.7	13.9	0.1	1.8	0.2	0.2	3.2	0.2	2.2	0.2	1.2	0.17	4
D 1176	82.5	3.2	1.0	63.1	14.2	0.1	0.1	0.2	0.2	4.3	0.2	1.7	0.2	0.3	0.03	4
D 1177	294.5	2.4	1.9	74.7	15.4	0.2	0.9	0.5	0.2	13.9	0.2	2.4	0.2	0.3	0.03	8
D 1178	1,150.0	2.8	25.3	75.4	16.7	0.5	1.4	2.6	0.2	10.7	0.2	29.7	0.2	0.9	0.03	6
D 1179	1,880.0	2.1	34.9	79.4	19.7	0.5	1.9	4.9	0.2	14.8	0.6	90.2	0.2	1.6	0.03	12
D 1180	106.0	2.8	1.1	94.9	23.9	0.1	1.8	0.3	0.2	15.4	1.0	3.0	0.2	0.7	0.03	4
D 1181	349.0	4.0	2.1	105.0	21.1	0.4	1.6	0.5	0.2	9.7	0.2	1.8	0.2	1.2	0.03	9
D 1182	770.0	1.9	27.3	116.3	24.5	0.4	2.3	2.5	0.2	12.2	0.2	5.7	0.2	2.0	0.03	10
D 1183	329.6	4.1	46.8	297.2	81.9	1.2	2.0	2.2	0.2	72.9	0.8	156.9	0.2	1.6	0.03	24
D 1184	269.3	2.7	1.4	279.3	26.1	1.1	1.6	0.3	0.2	12.1	0.2	2.0	0.2	0.4	0.03	9
D 1185	390.7	2.3	0.4	141.7	33.0	0.3	3.3	0.5	0.2	17.3	0.2	3.6	0.2	1.5	0.03	53
D 1186	607.0	11.8	15.7	106.7	220.6	1.4	6.4	2.8	0.2	298.7	0.5	2.8	0.2	3.7	0.03	1,090
D 1187	87.8	3.5	2.4	126.7	15.7	0.3	2.9	0.2	0.2	2.8	0.2	2.6	0.2	0.2	0.03	5
D 1188	145.8	3.6	2.1	119.7	18.1	0.3	2.1	0.2	0.2	5.6	0.2	1.8	0.2	0.6	0.03	5
D 1189	95.5	3.9	1.9	110.9	16.2	0.1	1.5	0.2	0.2	3.7	0.9	2.5	0.2	1.3	0.03	4
D 1190	95.6	3.7	3.0	79.6	16.5	0.1	1.5	0.2	0.2	2.8	0.3	2.4	0.2	0.2	0.03	9
D 1191	87.1	3.5	3.2	99.8	16.1	0.1	1.8	0.2	0.2	1.9	0.2	2.9	0.2	0.7	0.03	20
D 1192	395.7	3.5	9.4	187.8	21.9	0.6	1.9	0.6	0.2	6.7	0.2	1.2	0.2	1.2	0.03	32
D 1193	659.0	2.9	4.4	225.8	23.9	0.9	1.3	2.1	0.2	11.3	0.2	6.7	0.2	1.7	0.03	14
D 1194	714.0	3.0	1.1	193.4	29.4	0.7	1.2	1.2	0.2	14.6	0.2	0.8	0.2	2.3	0.03	46
D 1195	394.9	3.9	1.5	57.3	12.9	0.1	1.8	0.3	0.2	2.3	0.2	0.9	0.2	1.1	0.03	1
D 1196	135.0	3.7	27.7	153.7	16.3	0.7	0.2	0.2	0.2	2.3	0.2	3.3	0.2	0.8	0.03	5
D 1197	38.8	1.3	38.8	259.5	11.5	4.0	0.6	0.2	0.2	3.0	0.2	7.6	0.2	1.9	0.03	4
D 1198	204.9	3.7	1.4	39.8	18.6	0.1	0.9	0.2	0.2	2.6	0.2	1.5	0.2	0.8	0.03	8
D 1199	88.7	2.6	2.3	24.7	15.1	0.1	0.5	0.2	0.2	13.8	0.2	1.4	0.2	0.2	0.03	7
D 1200	137.3	2.7	3.4	35.7	10.7	0.1	1.0	0.2	0.2	4.0	0.4	0.5	0.2	0.7	0.03	5
D 1201	105.9	2.9	2.4	50.7	12.7	0.1	1.3	0.2	0.2	2.1	0.2	0.9	0.2	0.4	0.03	1
D 1202	165.1	3.3	1.0	44.2	15.6	0.1	1.3	0.2	0.2	5.2	0.2	2.3	0.2	0.3	0.03	8
D 1203	817.0	3.4	1.8	21.4	13.7	0.1	0.9	0.5	0.2	3.0	0.2	0.2	0.2	0.2	0.03	16
D 1204	153.3	2.9	0.4	37.2	14.3	0.1	1.2	0.2	0.2	0.2	0.2	0.8	0.2	0.7	0.03	3
D 1205	116.3	3.8	2.8	33.0	13.3	0.1	0.9	0.2	0.2	1.4	0.2	1.3	0.2	0.2	0.03	12
D 1206	133.8	2.8	0.3	25.1	14.4	0.1	0.7	0.2	0.2	0.5	0.2	0.2	0.2	0.2	0.03	3
D 1207	82.2	25.6	2.1	44.4	17.0	0.1	0.7	0.2	0.2	1.7	0.3	1.1	0.2	0.4	0.03	4
D 1208	73.9	3.3	5.4	103.6	14.5	0.1	1.3	0.2	0.2	0.2	0.2	3.9	0.2	0.4	0.03	8

EAGLE	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb
D 1209	128.8	2.9	0.8	26.3	13.0	0.1	0.9	0.2	0.2	2.7	0.6	0.4	0.2	0.2	0.03	11
D 1210	132.5	2.8	3.0	29.9	12.2	0.1	1.3	0.2	0.2	20.2	0.2	0.6	0.2	0.4	0.03	4
D 1211	147.6	2.9	4.1	68.2	15.4	0.2	1.0	0.2	0.2	0.3	0.2	2.0	0.2	0.6	0.03	3
D 1212	120.6	2.8	1.1	44.2	13.7	0.1	1.4	0.2	0.2	1.5	0.2	2.3	0.2	0.2	0.03	6
D 1213	46.9	2.0	1.5	27.0	19.0	0.1	0.7	0.2	0.2	20.2	0.2	1.3	0.2	0.5	0.03	4
D 1214	89.7	2.1	2.2	34.7	10.0	0.1	1.5	0.2	0.2	1.7	0.2	2.4	0.2	0.2	0.03	6
D 1215	99.1	2.7	0.1	28.1	13.6	0.1	1.5	0.3	0.2	0.2	0.7	1.2	0.2	0.2	0.03	4
D 1216	117.8	2.7	3.0	36.3	15.3	0.1	0.1	0.2	0.2	2.7	0.2	1.6	0.8	0.6	0.07	1
D 1217	174.1	3.8	13.0	115.4	18.3	0.3	1.0	0.2	0.2	0.8	0.2	6.2	0.2	0.3	0.03	4
D 1218	141.2	3.4	20.0	125.8	18.8	0.8	1.6	0.2	0.2	2.9	0.2	5.7	0.2	0.2	0.04	9
D 1219	112.2	3.4	30.7	182.6	18.4	1.2	0.7	0.2	0.2	2.5	0.2	5.2	0.2	0.2	0.03	6
D 1220	84.1	2.8	54.3	233.8	14.3	2.7	0.3	0.2	0.2	3.0	0.2	5.7	0.2	0.4	0.04	4
D 1221	193.0	4.1	2.8	47.2	18.6	0.1	3.0	0.2	0.2	3.7	0.5	3.5	0.2	0.2	0.03	1
D 1222	161.2	4.0	9.5	115.4	23.2	0.3	1.5	0.2	0.2	4.4	0.2	5.3	0.2	0.2	0.10	5
D 1223	120.7	4.5	2.2	68.0	23.5	0.3	2.5	0.2	0.2	9.2	0.2	4.7	0.2	0.2	0.05	10
D 1224	165.0	4.0	1.3	47.6	21.0	0.1	1.6	0.2	0.2	1.5	2.4	1.5	0.2	0.2	0.07	3
D 1225	1,570.0	2.9	17.4	54.6	55.4	3.8	5.0	1.4	0.2	426.3	0.2	0.2	0.2	0.2	0.06	35
D 1226	260.9	2.7	5.1	45.5	16.9	0.8	4.4	0.2	0.2	55.4	0.2	3.1	0.2	0.2	0.08	10
D 1227	135.9	3.5	4.7	46.3	18.9	0.1	1.2	0.2	0.2	7.8	0.2	1.4	0.2	0.2	0.05	2
D 1228	249.3	4.9	2.4	63.7	21.5	0.1	3.6	0.2	0.2	10.1	0.2	2.1	0.2	0.2	0.03	5
D 1229	181.5	3.8	4.0	46.3	19.7	0.1	1.5	0.2	0.2	5.4	1.1	1.7	2.0	0.2	0.03	3
D 1230	226.6	3.9	3.2	53.6	18.4	0.1	0.4	0.2	0.2	4.4	0.2	2.3	0.4	0.2	0.06	9
D 1231	135.8	3.5	3.0	40.2	16.9	0.1	1.9	0.2	0.2	4.1	0.8	2.9	0.2	0.2	0.05	7
D 1232	157.1	4.0	1.5	43.4	20.8	0.1	1.4	0.2	0.2	1.6	0.2	1.5	0.2	0.2	0.04	10
D 1233	131.6	2.5	1.5	24.1	15.1	0.1	0.9	0.2	0.2	1.0	0.2	1.0	0.2	0.2	0.03	9
D 1234	167.1	3.6	2.4	38.5	15.3	0.1	1.8	0.2	0.2	4.4	0.2	0.8	0.2	0.2	0.06	20
D 1235	172.0	3.3	2.5	37.9	14.8	0.1	0.4	0.2	0.2	3.6	0.6	1.0	0.2	0.2	0.08	7
D 1236	106.2	2.6	0.9	34.6	14.2	0.1	1.2	0.2	0.2	2.1	0.2	1.5	0.2	0.2	0.05	17
D 1237	127.2	3.2	1.5	39.2	19.4	0.1	1.4	0.2	0.2	1.8	0.2	2.0	0.2	0.2	0.03	20
D 1238	102.8	2.4	0.6	30.3	13.3	0.1	1.2	0.2	0.2	0.9	0.7	2.1	0.2	0.2	0.03	14
D 1239	145.8	2.3	1.0	25.4	12.2	0.1	0.7	0.2	0.2	2.3	0.2	0.5	0.7	0.2	0.03	15
D 1240	121.1	2.6	0.2	39.1	15.1	0.1	1.5	0.2	0.2	1.0	0.2	1.2	0.2	0.2	0.03	14
D 1241	87.1	2.9	0.8	28.5	13.0	0.1	1.3	0.2	0.2	1.9	0.2	2.4	0.2	0.2	0.03	9
D 1242	75.6	2.6	1.7	25.4	11.6	0.1	1.4	0.2	0.2	2.5	0.3	0.6	0.3	0.2	0.03	8
D 1243	141.7	3.6	1.3	60.9	16.7	0.1	1.2	0.2	0.2	2.3	0.2	1.5	0.2	0.2	0.03	5
D 1244	126.2	3.6	0.5	40.7	14.3	0.1	0.1	0.2	0.2	3.0	0.2	1.5	0.2	0.7	0.03	10
D 1245	146.1	4.2	2.8	41.0	18.1	0.2	1.0	0.2	0.2	1.6	0.2	1.2	0.2	0.2	0.03	7
D 1246	154.8	4.2	1.7	68.7	19.1	0.1	1.9	0.2	0.2	6.7	0.2	1.7	0.2	0.2	0.03	76
D 1247	86.1	3.1	1.6	42.8	12.1	0.1	1.3	0.2	0.2	2.2	0.2	1.7	0.2	0.2	0.03	5
D 1248	1,930.0	4.7	7.3	81.7	20.1	1.3	1.2	0.9	0.2	4.9	0.2	0.2	0.2	0.5	0.03	11
D 1249	15.7	1.4	4.6	17.6	10.6	0.3	1.3	0.2	0.2	39.7	0.2	1.0	0.2	0.2	0.03	16
D 1250	94.6	2.7	1.2	73.1	15.4	0.2	3.3	0.2	0.2	1.3	0.2	2.5	0.2	0.2	0.03	5
D 1251	107.1	2.9	6.7	73.5	14.5	0.3	0.8	0.3	0.2	4.3	0.2	3.8	0.2	0.2	0.03	10
D 1252	910.0	3.2	3.8	42.3	14.7	0.1	1.1	0.4	0.2	4.6	0.2	0.2	0.2	0.2	0.03	13
D 1253	177.6	3.6	26.9	135.3	18.7	1.3	3.2	0.3	0.2	12.4	0.2	4.5	0.2	0.2	0.03	20
D 1254	83.9	2.3	7.6	56.1	16.8	0.5	1.8	0.2	0.2	25.2	0.2	2.4	0.2	0.2	0.03	16
D 1255	21.8	1.9	6.7	15.8	2.4	0.2	1.5	0.2	0.2	12.5	0.2	0.9	0.2	0.2	0.03	10
D 1256	198.5	2.6	1,110.0	4,260.0	16.4	49.5	1.2	2.8	0.2	24.3	0.2	2.3	0.2	2.7	0.03	78
D 1257	339.7	3.4	2,040.0	4,170.0	17.0	46.2	1.7	3.1	0.2	19.2	0.6	2.0	0.2	2.8	0.04	32
D 1258	3,930.0	3.6	105.0	282.0	16.9	2.9	0.9	1.9	0.2	5.7	0.2	0.2	0.2	0.4	0.03	12
D 1259	125.2	2.9	1.4	39.7	14.0	0.1	0.1	0.2	0.2	0.2	0.6	0.3	0.2	0.3	0.03	12
D 1260	133.0	3.7	1.7	61.4	17.1	0.1	2.0	0.2	0.2	5.5	0.2	0.2	0.2	0.5	0.03	16

EAGLE	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb
D 1261	110.6	2.3	16.6	40.9	10.3	0.2	1.9	0.2	0.2	5.0	0.2	1.8	0.2	0.2	0.04	11
D 1262	136.3	3.3	1.0	56.1	16.0	0.2	1.2	0.2	0.2	2.0	0.2	1.3	0.2	0.6	0.03	10
D 1263	283.8	2.1	5.0	19.5	3.8	0.1	0.2	0.4	0.2	4.0	0.2	0.2	0.2	0.2	0.03	7
D 1264	5,800.0	5.2	85.6	652.9	28.2	4.0	2.8	3.6	0.2	37.8	0.2	0.2	0.2	0.2	0.03	76
D 1265	137.1	3.7	0.4	57.3	18.2	0.1	0.8	0.2	0.2	4.4	0.2	1.2	0.2	0.2	0.03	12
D 1266	43.3	1.3	9.0	32.7	2.6	0.1	0.8	0.2	0.2	1.4	0.2	1.8	0.2	0.2	0.03	6
D 1267	105.0	11.6	2.9	65.9	16.4	0.1	4.1	0.2	0.2	5.8	0.2	1.4	0.6	0.2	0.09	12
D 1268	3,690.0	1.7	25.4	170.3	7.2	2.3	4.2	1.4	0.2	12.2	0.2	0.2	0.2	0.2	0.03	28
D 1269	91.2	3.1	3.1	37.9	14.1	0.1	1.4	0.2	0.2	1.9	0.2	0.6	0.2	1.1	0.03	7
D 1270	1,030.0	4.0	3.2	41.7	15.0	0.4	0.7	0.4	0.2	26.6	0.2	0.2	0.2	0.2	0.03	13
D 1271	306.2	4.2	1.6	44.0	34.6	0.7	1.9	0.4	0.2	70.8	0.2	1.7	0.2	0.6	0.03	13
D 1272A	67.2	3.9	8.3	39.7	15.2	0.2	1.2	0.2	0.2	2.3	0.2	2.6	0.2	0.2	0.03	5
D 1272B	75.8	4.1	3.4	37.2	26.4	0.2	2.1	0.2	0.2	23.7	0.2	1.8	0.2	0.6	0.03	4
D 1273	144.3	4.9	2.8	55.2	19.3	0.1	1.2	0.2	0.2	8.6	1.3	0.8	0.2	0.4	0.03	8
D 1274A	147.2	3.7	14.4	118.0	14.8	1.0	0.5	0.2	0.2	2.6	0.2	5.6	0.2	1.4	0.03	3
D 1274B	29.6	1.9	3.2	20.9	5.7	0.1	0.8	0.2	0.2	1.2	0.2	1.0	0.4	1.0	0.03	5
D 1275	121.1	4.2	2.7	49.3	15.0	0.1	1.5	0.2	0.2	2.9	0.2	1.8	0.2	0.2	0.04	11
D 1276	85.5	3.5	2.0	41.1	15.4	0.1	1.8	0.2	0.2	6.8	0.2	2.3	0.2	0.4	0.03	3
D 1277	197.5	4.1	4.3	55.8	25.1	0.3	1.8	0.3	0.2	27.7	0.2	3.5	0.2	1.9	0.03	8
D 1278	116.7	3.3	4.2	56.3	15.5	0.2	0.9	0.3	0.2	9.6	0.2	3.4	0.2	0.8	0.03	10
D 1279	565.0	3.3	1.3	27.6	16.0	0.1	1.2	0.3	0.2	2.4	0.2	0.2	0.5	0.2	0.03	13
D 1280	144.0	3.4	1.6	25.1	16.2	0.1	0.7	0.2	0.2	4.8	0.2	1.7	0.2	0.2	0.06	11
D 1281	216.6	3.2	1.7	33.5	16.5	0.2	0.3	0.2	0.2	6.6	0.2	0.2	0.2	0.2	0.03	8
D 1282	69.3	2.4	3.9	35.9	11.3	0.2	1.5	0.2	0.2	8.1	0.2	2.7	0.6	0.3	0.05	10
D 1283	31.3	1.5	0.9	24.6	6.3	0.1	1.0	0.2	0.2	5.9	0.2	2.1	0.5	0.3	0.03	6
D 1284	115.2	36.7	3.7	46.4	26.0	0.4	0.4	0.2	0.2	4.3	0.2	1.9	0.2	0.7	0.03	5
D 1285	114.1	21.7	1.5	41.1	20.8	0.1	1.6	0.2	0.2	2.2	0.2	1.5	0.2	0.7	0.07	2
D 1286	76.3	3.1	8.8	77.2	14.6	0.5	0.8	0.2	0.2	5.1	0.2	4.0	0.2	1.3	0.05	7
D 1287	284.5	3.0	1.7	32.2	14.9	0.1	0.1	0.2	0.2	3.5	0.2	0.2	0.2	0.2	0.03	12
D 1288	156.1	2.3	1.4	32.2	11.7	0.1	1.6	0.2	0.2	2.7	0.5	0.7	0.2	0.2	0.03	5
D 1289	97.7	2.1	3.7	43.8	9.7	0.1	1.5	0.2	0.2	4.7	0.2	2.3	0.2	1.1	0.03	5
D 1290	165.2	2.4	1.1	42.5	14.0	0.1	1.0	0.2	0.2	3.0	0.8	0.6	0.2	0.5	0.03	4
D 1291	135.7	2.7	2.2	51.6	14.2	0.1	1.0	0.2	0.2	0.2	0.2	2.4	0.2	0.3	0.03	8
D 1292	100.2	2.5	2.7	43.0	11.8	0.1	1.2	0.2	0.2	0.7	0.2	0.8	0.2	0.3	0.03	5
D 1293	75.0	3.1	3.0	51.6	12.7	0.1	1.7	0.2	0.2	3.6	0.2	0.9	0.2	0.2	0.03	1
D 1294	22.7	3.0	2.5	38.9	8.7	0.1	1.6	0.2	0.2	3.3	0.4	3.0	0.2	0.6	0.03	11
D 1295	37.5	2.6	6.4	44.2	9.3	0.1	1.0	0.2	0.2	4.5	0.2	1.9	0.2	0.2	0.03	2
D 1296	87.4	3.0	1.9	45.3	11.9	0.1	1.4	0.2	0.2	1.9	0.7	0.3	0.2	0.6	0.03	5
D 1297	137.9	2.7	1.4	41.2	13.2	0.1	1.2	0.2	0.2	2.4	0.2	0.8	0.2	0.2	0.03	10
D 1298	84.7	2.2	1.9	32.8	10.9	0.1	1.3	0.2	0.2	2.7	0.2	1.0	0.2	0.3	0.03	14
D 1299	450.7	3.1	25.2	39.2	18.6	0.4	0.9	1.0	0.2	45.6	0.4	0.2	0.2	0.5	0.03	16
D 1300	8,360.0	4.2	11.7	595.0	26.0	3.6	1.1	0.2	0.2	31.8	0.2	0.2	0.2	2.6	0.03	110
D 1301	107.6	2.2	2.2	51.7	11.9	0.1	0.9	0.2	0.2	2.6	0.2	1.3	0.2	1.1	0.03	12
D 1302	85.2	2.2	4.5	83.0	14.2	0.1	1.4	0.2	0.2	0.2	0.5	1.5	0.2	1.8	0.03	10
D 1303	122.6	2.0	1.3	82.2	11.1	0.1	1.6	0.2	0.2	0.2	0.2	1.8	0.2	0.3	0.03	13
D 1304	119.0	2.6	2.2	86.8	14.6	0.1	1.5	0.2	0.2	0.4	0.2	2.0	0.2	0.6	0.03	12
D 1305	79.5	2.7	5.5	66.1	13.8	0.1	1.3	0.2	0.2	3.2	0.2	3.4	0.2	1.0	0.03	9
D 1306	35.1	3.3	7.1	40.8	12.6	0.1	1.0	0.2	0.2	1.6	0.2	2.1	0.2	0.6	0.03	9
D 1307	148.9	2.1	1.0	26.6	10.9	0.1	0.5	0.2	0.2	0.4	0.2	0.7	0.2	0.2	0.03	9
D 1308	189.0	2.6	1.1	49.0	13.1	0.1	0.9	0.2	0.2	2.1	0.2	1.3	0.2	0.4	0.03	11
D 1309	121.1	2.8	1.0	60.0	14.6	0.1	2.0	0.2	0.2	3.8	0.7	1.7	0.3	0.2	0.03	9
D 1310	839.0	4.0	1.8	51.8	15.3	0.1	1.3	0.4	0.2	9.0	0.2	0.6	0.2	0.4	0.03	11

EAGLE	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb
D 1311	53.3	2.8	2.9	44.7	14.0	0.2	1.8	0.2	0.2	11.6	0.2	1.4	0.2	0.8	0.03	10
D 1312	92.9	2.6	2.4	51.9	13.9	0.1	1.3	0.2	0.2	5.4	0.2	2.6	0.2	0.2	0.03	11
D 1313	62.5	2.3	1.7	54.4	16.3	0.1	1.0	0.2	0.2	7.2	0.4	1.8	0.2	0.3	0.03	12
D 1314	129.1	2.4	2.6	57.0	14.4	0.2	1.8	0.2	0.2	12.6	0.2	1.2	0.2	0.2	0.03	13
D 1315	98.5	2.0	2.2	39.3	14.5	0.1	1.0	0.2	0.2	6.9	0.2	1.3	0.2	0.2	0.03	9
D 1316	42.0	2.3	1.5	32.4	39.5	1.5	0.9	0.2	0.2	228.7	0.2	2.1	0.2	0.5	0.03	18
D 1317	143.8	2.3	2.3	25.8	11.9	0.1	0.4	0.2	0.2	2.3	0.2	0.2	0.2	0.4	0.03	9
D 1318	74.6	2.3	4.2	47.2	11.1	0.1	0.9	0.2	0.2	3.1	0.2	1.0	0.2	0.9	0.03	6
D 1319	93.6	3.0	2.8	73.6	28.1	0.1	1.1	0.2	0.2	26.7	0.2	1.9	0.2	0.9	0.03	11
D 1320	137.4	1.6	1.6	39.4	9.9	0.1	0.2	0.2	0.2	2.5	0.2	1.0	0.2	1.3	0.03	23
D 1321	123.4	3.0	6.6	36.9	5.9	0.2	1.0	0.2	0.2	15.6	0.2	1.2	0.2	0.8	0.03	1

	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb
Drill Core Statistics:																
Count	323	323	323	323	323	323	323	323	323	323	323	323	323	323	323	323
Mean	271.1	3.6	42.3	137.7	19.3	1.0	1.5	0.5	0.2	12.2	0.3	3.2	0.2	0.7	0.05	31.9
s.d.	689.0	2.7	206.9	383.6	18.6	4.2	1.2	0.6	0.5	35.1	0.2	10.2	0.2	0.7	0.04	252.5
Maximum	8,360.0	36.7	2,320.0	4,260.0	220.9	49.5	16.9	4.9	8.6	426.3	2.4	156.9	2.0	3.7	0.40	4,408
Minimum	15.7	1.3	0.1	15.8	2.4	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.03	1
Mean + 2 s.d.	1,649.1	9.0	456.1	904.8	56.6	9.4	3.9	1.7	1.2	82.5	0.6	23.6	0.6	2.0	0.13	536.8

Correlation Coefficients: Drill Core Samples

	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb
Cu	1.000	0.024	0.004	0.091	0.194	0.064	0.090	0.369	(0.002)	0.138	(0.031)	0.046	(0.028)	0.174	(0.063)	0.068
Ni		1.000	(0.037)	(0.033)	0.212	(0.032)	0.041	(0.021)	(0.030)	0.056	0.026	(0.013)	(0.004)	0.051	0.007	0.133
Pb			1.000	0.742	(0.010)	0.726	(0.016)	0.444	(0.013)	0.075	0.014	0.012	0.017	0.307	(0.023)	0.009
Zn				1.000	0.013	0.984	(0.014)	0.447	(0.014)	0.042	0.018	0.033	0.015	0.407	(0.010)	0.011
Co					1.000	0.005	0.207	0.297	(0.022)	0.486	0.051	0.169	0.002	0.415	0.011	0.402
Cd						1.000	(0.019)	0.438	(0.009)	0.093	0.020	0.011	0.024	0.373	(0.022)	0.026
Mo							1.000	0.106	0.023	0.231	(0.004)	0.033	(0.018)	0.062	0.000	0.003
Ag								1.000	(0.017)	0.374	0.017	0.400	(0.025)	0.464	(0.050)	0.167
W									1.000	(0.009)	(0.018)	(0.005)	(0.015)	(0.048)	(0.024)	(0.007)
As										1.000	0.000	0.094	(0.014)	0.196	(0.025)	0.316
Sb											1.000	0.156	0.096	(0.039)	(0.003)	(0.006)
Bi												1.000	(0.018)	0.162	(0.030)	0.030
Se													1.000	(0.050)	0.011	0.115
Te														1.000	0.099	0.188
Hg															1.000	(0.024)
Au, ppb																1.000

EAGLE	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb
R 16	109.1	2.5	9.3	54.3	11.6	1.0	3.6	0.8	0.2	108.4	0.2	2.1	0.2	0.2	0.03	100
R 17	12,800.0	14.7	37.8	94.2	72.4	2.4	4.8	5.0	0.2	254.4	0.2	0.2	0.8	2.7	0.03	4,060
R 18	19,700.0	5.0	5.5	151.7	141.9	1.1	45.9	5.6	0.2	160.6	0.2	0.2	0.2	0.2	0.03	550
R 19	69,600.0	6.6	15.7	487.4	132.2	6.1	20.2	3.3	0.2	481.5	0.2	0.2	3.6	0.2	0.03	2,600
R 20	16,000.0	8.9	11.2	105.6	46.5	0.9	1.5	4.4	0.2	33.7	0.2	0.2	0.2	0.2	0.03	260
R 21	30,200.0	5.4	9.4	164.7	8.2	0.6	38.4	4.2	0.2	6.5	0.4	0.5	0.5	0.4	0.03	*
R 22	1,820.0	6.4	5.2	40.1	22.4	0.4	1.3	1.5	0.2	1.7	0.2	0.2	0.2	0.2	0.03	720
R 23	40.8	2.8	3.5	40.7	6.3	0.1	1.1	0.1	0.2	1.7	0.2	0.2	0.2	0.2	0.03	6
R 24	10,900.0	4.6	11.9	189.8	56.0	1.0	15.7	3.5	0.2	14.8	0.2	0.2	0.2	0.2	0.03	650
R 25	5,350.0	2.9	4.3	73.0	19.5	0.5	54.0	3.1	0.2	32.9	0.2	0.2	0.2	0.2	0.03	490
R 1030	309.8	3.5	1.9	32.1	15.8	0.1	1.8	0.1	5.4	1.9	0.2	0.2	0.2	0.2	0.03	6
R 1031	1,830.0	3.5	1.7	35.7	22.0	0.1	1.4	0.7	0.2	5.5	0.2	0.2	0.2	0.2	0.03	28
R 1032	877.0	3.0	2.6	52.7	13.4	0.1	0.9	0.4	0.2	0.8	0.2	0.2	0.3	0.2	0.03	6
R 1033	212.6	3.2	3.0	30.9	13.5	0.1	1.0	0.2	0.2	2.0	0.2	0.2	0.2	0.2	0.03	5
R 1035	4,090.0	3.6	7.4	86.7	24.6	0.3	15.1	2.6	0.2	17.1	0.2	0.2	0.2	0.2	0.03	220
R 1037	144.2	3.7	2.4	35.0	13.6	0.2	0.4	0.1	0.2	32.8	0.2	0.2	0.2	0.5	0.03	4
R 1038	342.6	6.6	0.1	43.9	27.4	0.1	2.4	0.3	0.2	2.4	1.2	0.5	0.2	0.2	0.03	5
R 1039	39.0	8.7	5.3	151.4	1.8	4.4	38.9	1.6	0.2	15.8	0.7	0.2	24.1	1.2	0.03	5
R 3004	3,060.0	4.2	4.5	38.7	25.9	0.3	3.5	1.5	0.2	9.8	0.2	0.2	0.4	0.2	0.03	68
R 3005	1,940.0	12.8	0.8	58.4	29.7	0.1	1.2	1.1	0.2	2.8	0.3	0.2	0.4	0.2	0.11	37
R 3006	237.2	3.3	1.1	28.0	19.4	0.1	1.2	0.1	0.2	3.9	0.3	0.2	0.2	0.2	0.04	9
R 3007	19,400.0	10.3	11.7	88.3	142.3	0.1	0.6	1.0	0.2	4.4	0.2	0.2	0.2	0.9	0.03	26
R 3008	1,560.0	3.9	1.7	22.9	15.2	0.1	0.8	0.1	0.2	2.4	0.2	0.2	0.2	0.2	0.03	9
R 3009	4,340.0	3.8	3.2	42.7	21.2	0.1	5.6	1.0	12.0	8.5	0.2	0.2	0.6	0.2	0.03	93
R 3010	12,700.0	4.6	5.4	154.1	33.8	0.7	2.6	3.6	0.2	22.5	0.2	0.2	0.2	0.4	0.04	128
R 3011	22,300.0	4.3	7.4	94.7	29.0	0.1	39.4	6.5	0.2	3.5	0.2	0.2	1.7	1.5	0.03	511
R 3012	662.0	7.8	0.5	46.9	23.2	0.1	2.2	0.3	0.2	3.4	1.4	0.2	1.4	0.2	0.11	20
R 3013	966.0	9.8	0.4	47.1	24.5	0.1	2.2	0.7	0.2	3.1	2.1	0.2	1.7	0.2	0.11	14
R 3014	539.0	7.0	0.1	22.8	18.1	0.1	3.4	0.4	0.2	3.5	3.3	0.9	3.6	0.2	0.13	16
R 3015	521.0	16.8	0.1	22.2	22.5	0.1	3.9	0.3	0.2	2.0	2.7	0.2	1.7	0.2	0.17	12
R 3016	892.0	5.0	2.9	119.3	23.2	0.4	1.0	0.1	0.2	6.2	0.2	0.2	0.2	0.2	0.03	6
R 3017	182.1	2.6	3.0	51.8	10.9	0.1	1.1	0.1	0.2	2.3	0.2	0.2	0.2	0.2	0.03	370
R 3018	3,860.0	23.4	4.8	90.7	517.9	0.1	9.4	3.5	0.2	67.5	0.2	0.2	0.2	0.2	0.03	400
R 3019	1,671.0	8.8	2.7	67.8	26.7	0.1	4.9	0.6	0.2	4.5	0.2	0.2	0.2	0.2	0.03	62
R 3020	3,090.0	3.2	4.2	97.1	17.8	0.3	9.6	5.4	0.2	14.0	0.2	0.2	0.2	0.2	0.03	11
R 3021	3,540.0	3.1	2.5	153.7	49.6	0.1	1.3	0.3	0.2	1.9	0.2	0.2	0.2	0.2	0.03	720
R 3022	2,320.0	3.2	2.7	58.9	16.0	0.1	5.0	2.0	0.2	5.3	0.2	0.2	0.2	0.2	0.03	66
R 3023	11,100.0	19.8	33.9	180.9	86.3	0.5	20.7	4.0	0.2	22.3	0.2	0.2	0.2	0.2	0.03	260
R 3024	4,280.0	3.9	4.3	107.8	55.7	1.5	10.5	3.4	0.2	180.0	0.2	0.2	0.2	0.2	0.03	20
R 3025	42.9	4.3	3.7	78.5	96.0	0.1	0.9	0.1	0.2	9.1	0.2	0.2	0.2	0.2	0.03	140
R 3026	393.1	2.4	4.7	47.0	19.6	0.1	1.1	0.2	0.2	7.9	0.2	0.2	0.2	0.2	0.03	230
R 3027	4,310.0	6.2	3.6	143.4	34.5	0.2	32.5	3.8	0.2	6.1	0.2	0.2	0.2	0.2	0.03	300
R 3028	9,260.0	6.1	3.2	190.8	47.1	0.5	19.3	5.1	0.2	8.4	0.2	0.2	0.2	0.2	0.03	10
R 3029	19,900.0	5.6	8.4	256.8	36.2	1.1	33.8	4.6	0.2	23.6	0.2	0.2	0.2	0.2	0.04	12
R 3030	15,900.0	7.8	10.0	186.1	68.4	0.7	5.4	9.1	0.2	89.8	0.2	0.2	0.2	2.0	0.08	624
R 3031	17,800.0	8.0	12.3	234.0	105.3	0.1	8.5	8.6	0.2	28.2	0.2	0.2	0.2	2.6	0.17	794
R 3033	511.3	2.8	6,550.0	1,109.9	3.8	53.5	2.2	9.9	0.2	3,823.1	425.0	0.2	0.2	1.5	0.10	1,487
R 3034	3,870.0	15.2	78.0	682.9	80.7	2.1	2.9	5.1	0.2	98.9	0.4	0.2	0.2	0.2	0.28	8
R 3035	93.1	5.1	19.5	125.2	18.4	0.3	2.1	0.4	0.2	12.0	0.2	0.2	0.2	0.4	0.03	1
R 3038	9.9	2.9	3.5	21.7	5.5	0.1	0.5	0.1	0.2	1.5	0.2	0.2	0.2	0.9	0.03	1
R 3039	612.0	6.0	0.1	32.4	18.6	0.1	2.5	0.4	0.2	2.7	0.6	0.2	0.2	0.2	0.03	14
R 3040	1,010.0	5.4	0.1	38.0	33.1	0.1	2.9	0.3	0.2	3.1	0.9	0.2	0.2	0.2	0.04	40

EAGLE	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb
R 3041	53.5	8.4	0.1	38.1	21.1	0.1	3.3	0.1	0.2	2.4	0.9	2.5	0.2	0.2	0.03	1
R 3042	77.6	4.2	1.7	35.7	16.2	0.1	1.0	0.1	0.2	3.1	0.2	0.2	0.2	0.3	0.03	6
R 3043	344.0	15.1	0.1	37.8	17.5	0.1	3.4	0.1	0.2	0.4	0.9	0.2	1.3	0.2	0.03	1
R 3044	180.5	6.6	0.1	87.9	27.0	0.1	3.1	0.1	0.2	0.2	0.7	0.9	0.2	0.2	0.03	1
R 3045	422.5	36.7	0.1	33.4	27.9	0.1	2.7	0.4	0.2	2.8	0.9	0.5	0.2	0.2	0.03	1
R 3046	1,020.0	33.0	0.1	25.4	51.4	0.1	3.5	0.3	0.2	3.5	0.4	0.8	1.4	0.2	0.03	2
R 3047	1,040.0	36.0	0.1	25.3	47.6	0.1	2.2	0.5	0.2	1.5	0.2	0.2	1.6	0.2	0.03	1
R 3049	897.0	46.5	0.1	18.2	40.6	0.1	2.5	0.2	0.2	4.3	0.5	0.6	0.6	0.2	0.03	1
R 3050	74.5	16.2	1.1	59.3	16.6	0.1	0.5	0.1	0.2	2.4	0.2	0.2	0.2	0.2	0.03	1
R 3051	92.4	50.7	1.0	55.5	23.7	0.1	0.9	0.1	0.2	7.1	0.2	1.3	0.4	0.2	0.06	1
R 3052	115.2	13.9	11.7	55.1	9.7	0.2	0.7	0.3	0.2	3.5	0.2	0.2	0.2	0.2	0.03	4
R 3053	81.1	12.7	2.0	14.9	9.4	0.1	1.5	0.1	0.2	12.7	0.2	0.2	0.2	0.2	0.03	2
R 3054	139.9	29.3	6.7	36.8	18.0	0.1	2.5	0.3	5.7	10.5	0.4	0.2	2.4	0.9	0.04	1
R 3055	149.7	27.7	4.6	31.8	17.7	0.1	10.4	0.2	1.8	5.3	0.2	0.2	1.7	0.8	0.03	1
R 3056	113.7	28.9	3.6	77.3	19.4	0.2	1.1	0.2	0.2	12.8	0.2	0.2	0.2	0.2	0.03	2
R 3057	91.9	19.1	2.2	60.7	14.4	0.3	0.7	0.1	0.2	19.0	0.3	0.2	0.2	0.3	0.03	2
R 3058	90.9	25.9	4.7	131.2	14.1	0.4	1.6	0.3	0.2	23.3	0.2	0.2	0.5	0.6	0.03	1
R 3059	95.0	5.6	2.4	28.4	17.0	0.1	1.3	0.2	0.2	2.3	0.2	0.2	0.2	0.7	0.03	3
R 3060	657.9	4.6	3.5	87.8	32.2	0.1	2.2	0.7	0.2	6.9	0.9	0.2	0.2	0.7	0.03	12
R 3061	1,950.0	8.2	4.2	99.8	27.7	0.2	2.9	1.3	0.2	3.6	0.2	0.2	0.2	0.4	0.03	12
R 3062	103.4	4.2	2.2	26.5	17.3	0.1	1.2	0.1	0.2	3.0	0.2	0.2	0.2	0.6	0.03	1
R 3063	209.6	13.1	1.5	63.0	31.0	0.1	1.4	0.3	0.2	2.6	0.2	0.2	0.2	0.2	0.03	27
R 3064	16,400.0	20.1	13.0	157.8	350.7	0.1	78.3	9.6	0.2	69.7	0.2	0.2	0.2	5.7	0.03	3,280
R 3065	16,200.0	20.1	12.2	155.6	346.6	0.1	78.9	9.8	0.2	68.8	0.2	0.2	0.2	5.9	0.04	650
R 3067	12,300.0	7.8	11.2	205.6	167.5	1.2	18.7	5.7	0.2	214.0	0.4	0.2	0.2	5.1	0.03	440
R 3069	4,740.0	8.0	10.6	167.2	47.0	0.7	4.6	2.8	0.2	47.1	0.2	0.2	0.2	3.2	0.03	200
R 3070	24,500.0	30.4	15.8	355.7	531.3	0.1	34.0	9.7	0.2	99.3	0.2	0.2	1.1	3.6	0.04	760
R 3072	155.5	3.0	2.2	21.3	15.2	0.1	0.8	0.1	0.2	2.5	0.2	0.2	0.2	0.7	0.03	6
R 3073	123.7	3.8	3.0	42.1	16.4	0.1	1.4	0.2	0.2	4.9	0.2	0.2	0.2	0.8	0.03	2
R 3074	528.0	2.7	40,400.0	201.8	0.4	179.5	0.6	10.1	0.2	46,100.0	2,670.0	0.2	0.2	1.4	0.03	5,250
R 3075	239.8	29.9	3.9	73.7	27.8	0.1	1.5	0.1	0.2	8.3	0.2	0.2	0.2	0.2	0.09	1
R 3076	90.0	14.6	25.1	111.6	13.3	0.3	0.9	0.1	0.2	6.2	0.2	0.2	0.2	0.2	0.06	5
R 3077	226.4	12.0	85.9	240.1	22.2	0.9	2.3	0.4	0.2	9.2	0.3	0.2	0.2	0.2	0.03	3
R 3078	521.7	47.1	22.7	109.8	16.7	0.4	2.8	1.5	0.2	15.2	0.2	0.2	0.7	0.2	0.03	1
R 3079	177.2	18.3	2.4	44.3	14.2	0.1	1.2	0.2	0.2	6.3	0.2	0.2	0.2	0.2	0.03	3
R 3080	82.6	4.2	4.6	69.4	18.3	0.1	1.3	0.1	0.2	3.5	0.2	0.2	0.2	0.2	0.03	3
R 3081	77.4	3.7	1.9	55.8	13.8	0.1	0.7	0.1	0.2	1.8	0.2	0.2	0.2	0.2	0.03	3
R 3082	41.8	4.2	2.4	25.8	8.2	0.1	0.7	0.1	0.2	1.2	0.2	0.2	0.2	0.2	0.03	5
R 3083	16.4	2.6	1.5	23.0	4.6	0.1	0.6	0.1	0.2	1.1	0.2	0.2	0.2	0.2	0.03	1
R 3084	29.0	3.7	1.6	18.1	3.9	0.1	0.8	0.1	0.2	1.8	0.2	0.4	0.2	0.2	0.03	1
R 3085	68.7	3.6	3.5	43.4	13.3	0.1	1.4	0.1	0.2	2.9	0.2	0.2	0.2	0.2	0.03	7
R 3086	97.7	4.7	2.5	41.5	17.1	0.1	1.1	0.1	0.2	1.6	0.2	0.2	0.2	0.2	0.03	6
R 3087	91.7	3.3	10.9	42.6	15.5	0.1	0.7	0.1	0.2	5.0	0.2	0.2	0.2	0.2	0.03	6
R 3088	157.3	3.6	1.8	34.5	14.0	0.1	0.7	0.1	0.2	9.6	0.2	0.2	0.2	0.2	0.03	3
R 3089	632.7	1.4	3.2	21.7	4.8	0.1	0.9	0.5	0.2	2.1	0.2	0.2	0.2	0.2	0.03	57
R 3090	3,080.0	3.9	3.4	80.9	383.2	0.1	38.0	0.8	0.2	259.0	0.2	0.2	0.2	0.2	0.03	130
R 3091	92.2	2.6	3.1	51.7	12.1	0.1	1.1	0.1	0.2	5.2	0.2	0.2	0.2	0.2	0.04	1
R 3092	79.5	3.1	2.2	35.2	11.1	0.1	1.0	0.1	0.2	3.0	0.2	0.2	0.2	0.2	0.06	1
R 3093	141.7	6.4	1.2	24.4	17.9	0.1	2.0	0.2	0.2	2.6	0.2	0.3	0.2	0.2	0.03	16
R 3094	2,200.0	6.2	4.1	87.7	15.2	0.1	2.5	1.4	0.2	4.8	0.2	0.2	0.2	0.2	0.04	66
R 3095	161.0	4.3	3.3	29.7	14.6	0.1	1.3	0.1	0.2	1.7	0.2	0.2	0.2	0.2	0.14	2
R 3096	11.8	4.7	0.8	39.4	16.6	0.1	1.0	0.1	0.2	1.2	0.2	0.2	0.2	0.2	0.03	3

EAGLE	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb
R 3097	2.8	3.5	0.9	18.7	5.6	0.1	1.2	0.1	0.2	1.0	0.2	0.2	0.2	0.2	0.03	1
R 3098	17.2	2.7	2.2	25.1	5.8	0.1	0.6	0.1	3.7	0.7	0.2	0.2	0.2	0.3	0.06	2
R 3099	56.7	4.3	3.5	40.4	9.0	0.1	0.8	0.1	0.6	2.2	0.2	0.5	0.2	0.2	0.09	1
R 3100	59.0	4.6	3.3	70.6	14.6	0.1	1.0	0.1	0.2	2.4	0.2	0.9	0.2	0.2	0.03	1
R 3101	121.2	3.7	3.6	35.9	8.2	0.1	0.8	0.1	0.2	2.1	0.2	0.2	0.2	0.2	0.03	8
R 3102	6.0	3.3	1.4	28.0	6.3	0.1	0.4	0.1	0.2	1.2	0.2	0.2	0.2	0.2	0.08	1
R 3103	280.0	4.3	5.2	27.9	11.5	0.1	1.0	0.1	0.2	2.1	0.2	0.2	0.2	0.2	0.03	8
R 3104	68.3	4.9	3.3	39.1	14.3	0.1	0.9	0.1	0.2	1.9	0.2	0.2	0.2	0.2	0.03	1
R 3105	907.7	7.7	3.9	51.1	23.0	0.1	3.6	1.2	0.2	2.3	0.2	0.2	0.2	0.3	0.03	4
R 3106	154.3	5.1	4.1	57.7	14.5	0.1	0.8	0.1	0.2	0.9	0.2	0.2	0.2	0.2	0.03	4
R 3107	2,760.0	9.2	8.6	52.8	13.6	0.2	1.2	3.1	0.2	2.0	0.2	0.2	0.3	0.3	0.03	8
R 3108	339.5	15.0	6.4	49.7	19.3	0.1	0.7	0.2	0.2	2.4	0.2	0.2	0.2	0.5	0.03	32
R 3109	292.4	8.7	3.9	31.4	15.8	0.1	0.8	0.2	0.2	0.8	0.2	0.2	0.2	0.6	0.03	3
R 3110	10.6	6.5	3.2	19.7	10.8	0.1	0.8	0.1	0.2	3.5	0.2	0.2	0.2	0.5	0.03	1
R 3111	3.9	1.5	1.9	8.5	1.9	0.1	0.3	0.1	0.2	0.3	0.2	0.3	0.2	0.2	0.03	1
R 3112	11.0	3.1	1.5	26.1	5.4	0.1	0.5	0.1	0.2	0.6	0.2	0.2	0.2	0.5	0.03	3
R 3113	9.3	4.2	2.0	34.7	6.6	0.1	0.5	0.1	0.2	1.1	0.2	0.2	0.2	0.5	0.03	1
R 3114	97.8	7.3	2.9	55.5	17.3	0.1	0.9	0.2	0.2	2.7	0.2	0.8	0.2	0.2	0.12	2
R 3115	28.2	2.6	3.0	18.4	5.1	0.1	0.8	0.1	0.2	1.3	0.2	0.5	0.2	0.2	0.03	1

Rocks Statistics:	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb
Count	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	122
Mean	3,607.5	9.5	387.9	89.8	43.1	2.2	6.9	1.5	0.4	429.2	25.5	0.3	0.6	0.5	0.04	223.9
s.d.	8,467.2	9.9	3,669.9	128.4	85.4	16.8	13.9	2.5	1.3	4,149.4	242.4	0.3	2.2	1.0	0.04	718.0
Maximum	69,600.0	50.7	40,400.0	1,109.9	531.3	179.5	78.9	10.1	12.0	46,100.0	2,670.0	2.5	24.1	5.9	0.28	5,250
Minimum	2.8	1.4	0.1	8.5	0.4	0.1	0.3	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.03	1
Mean + 2 s.d.	20,542.0	29.3	7,727.7	346.6	213.9	35.7	34.7	6.5	3.0	8,727.9	510.4	0.9	5.0	2.5	0.11	1,660.0

Correlation Coefficients: Rock Samples

	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb
Cu	1.000	0.012	(0.037)	0.410	0.408	(0.014)	0.512	0.556	(0.035)	(0.025)	(0.038)	(0.086)	0.065	0.337	(0.004)	0.432
Ni		1.000	(0.071)	0.021	0.249	(0.078)	0.074	0.049	0.009	(0.067)	(0.071)	0.132	0.064	0.138	0.061	(0.001)
Pb			1.000	0.195	(0.051)	0.991	(0.045)	0.355	(0.018)	0.997	1.000	(0.030)	(0.018)	0.093	(0.008)	0.655
Zn				1.000	0.234	0.299	0.228	0.625	(0.073)	0.143	0.191	(0.091)	0.062	0.272	0.363	0.353
Co					1.000	(0.052)	0.570	0.510	(0.053)	(0.042)	(0.051)	(0.076)	(0.025)	0.551	(0.001)	0.266
Cd						1.000	(0.037)	0.394	(0.022)	0.978	0.990	(0.033)	0.005	0.105	0.013	0.672
Mo							1.000	0.615	(0.038)	(0.038)	(0.045)	(0.068)	0.221	0.577	(0.083)	0.307
Ag								1.000	(0.071)	0.339	0.353	(0.129)	0.009	0.668	0.169	0.614
W									1.000	(0.018)	(0.018)	(0.048)	0.024	(0.030)	(0.031)	(0.045)
As										1.000	0.997	(0.028)	(0.016)	0.091	(0.020)	0.655
Sb											1.000	(0.029)	(0.018)	0.092	(0.009)	0.654
Bi												1.000	(0.008)	(0.099)	0.026	(0.079)
Se													1.000	0.062	0.022	0.012
Te														1.000	0.017	0.462
Hg															1.000	(0.025)
Au, ppb																1.000

EAGLE	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb	
S 197	150.7	38.6	4.5	59.8	13.8	0.2	2.0	0.1	0.2	4.6	0.2	0.2	0.2	0.2	0.03	230	
SM 1181	8,230.0	8.6	10.0	159.4	66.7	0.6	8.9	6.2	0.2	13.3	0.2	0.2	0.3	0.9	0.03	1,000	**
S 1182	760.0	15.3	4.9	37.0	5.5	0.8	2.5	0.9	0.2	1.8	0.2	0.2	1.1	1.0	0.03		*
S 1183	13,000.0	24.0	14.7	198.2	163.2	1.0	9.1	4.2	0.2	40.0	0.2	0.2	0.5	1.4	0.03	680	**
S 1184	163.2	13.0	4.7	34.5	4.4	0.1	1.2	0.2	0.2	4.7	0.3	0.2	0.2	0.2	0.03	14	
S 1185	260.0	12.3	7.3	295.2	35.2	5.0	1.3	1.1	0.2	1.7	0.2	0.2	0.2	0.2	0.03	32	
S 1186	970.0	42.1	6.3	120.6	15.3	1.7	1.5	0.8	0.2	7.6	0.2	0.2	0.5	0.2	0.03	24	
S 1187	2,500.0	38.4	5.5	46.9	7.7	0.7	1.3	0.7	0.2	5.5	0.2	0.2	1.3	0.8	0.03		*
S 1188	1,100.0	9.7	2.5	23.7	0.8	0.4	3.0	0.8	0.2	1.3	0.2	0.2	0.6	0.8	0.03		*
S 1189	343.3	20.0	12.6	85.1	27.4	0.3	2.1	1.1	0.2	19.4	0.6	0.2	0.3	0.2	0.03	86	**
S 1190	73.4	18.1	5.7	72.6	8.8	0.3	1.4	0.3	0.2	8.8	0.8	0.2	0.2	0.2	0.03	7	
S 1191	168.6	10.9	6.4	38.5	7.4	0.5	3.3	0.8	0.2	9.0	0.5	0.2	0.2	0.3	0.03	63	**
S 1192	187.6	16.3	4.6	51.9	18.3	0.2	1.8	0.1	0.2	4.4	0.5	0.3	0.2	0.2	0.03	24	
S 1193	97.6	4.2	5.7	50.9	17.4	0.2	1.7	0.2	0.2	3.5	0.6	0.2	0.2	0.2	0.03	12	
S 1194	1,610.0	43.7	7.8	75.4	18.1	0.3	1.7	0.5	0.2	7.9	0.5	0.2	0.2	0.2	0.03	12	
S 1195	46.5	4.0	5.0	108.6	17.5	0.3	1.1	0.1	0.2	1.7	0.2	0.4	0.2	0.2	0.03	7	
S 1196	75.7	20.8	6.6	46.7	11.1	0.2	1.3	0.2	0.2	5.2	0.2	0.2	0.2	0.2	0.03	8	
S 1197	32.8	29.8	4.5	33.5	8.9	0.1	0.8	0.1	0.2	4.9	0.2	0.2	0.2	0.3	0.03	7	
S 1198	17.0	24.5	4.1	38.5	5.6	0.1	0.8	0.1	0.2	4.4	0.5	0.2	0.2	0.3	0.03	4	
S 1199	14.5	15.7	3.3	33.9	4.5	0.2	0.8	0.1	0.2	4.0	0.3	0.2	0.2	0.2	0.03	3	
S 1200	99.2	23.2	3.4	40.2	6.7	0.1	0.8	0.2	0.2	3.6	0.4	0.2	0.2	0.2	0.03	4	
S 1201	175.1	17.2	5.4	60.9	7.1	0.5	1.1	0.6	0.2	4.9	0.2	0.2	0.2	0.2	0.03	4	
S 1202	1,590.0	50.7	6.4	85.6	14.7	0.7	1.7	0.7	0.2	10.6	0.2	0.2	0.6	0.2	0.03	8	
S 1203	50.6	15.0	6.3	54.1	7.1	0.4	1.3	0.5	0.2	4.4	0.6	0.2	0.2	0.2	0.03	15	
S 1204	7.0	10.7	4.2	20.6	2.7	0.1	0.7	0.2	0.2	1.5	0.4	0.2	0.2	0.2	0.03	10	
S 1205	83.2	19.2	7.2	65.1	12.8	0.3	1.5	0.1	0.2	20.7	0.5	0.2	0.2	0.2	0.03	16	
S 1206	7.2	13.8	3.0	26.2	4.7	0.1	0.6	0.1	0.2	1.7	0.3	0.2	0.2	0.2	0.03	7	
SM 1207	11.3	22.3	3.3	31.7	4.4	0.1	0.7	0.1	0.2	3.6	0.3	0.2	0.2	0.2	0.03	8	
SM 1208	16.7	20.8	6.8	51.8	18.9	0.2	1.4	0.3	0.2	5.9	0.6	0.2	0.2	0.2	0.03	8	
S 1209	11.6	18.8	3.0	32.6	4.6	0.1	0.8	0.1	0.2	3.0	0.4	0.2	0.2	0.2	0.03	12	
S 1210	5.7	7.2	3.4	15.3	1.8	0.1	0.5	0.1	0.2	1.0	0.2	0.2	0.2	0.2	0.03	9	
S 1211	5.5	9.9	4.7	20.5	2.3	0.2	0.5	0.1	0.2	2.2	0.3	0.2	0.2	0.2	0.03	6	
S 1212	4.4	7.8	3.3	16.8	2.3	0.1	0.4	0.1	0.2	1.7	0.2	0.2	0.2	0.2	0.03	8	
S 1213	6.4	11.0	3.4	23.3	2.7	0.1	0.7	0.1	0.2	2.6	0.3	0.2	0.4	0.2	0.03	8	
S 1214	18.6	25.7	7.6	52.2	27.0	0.1	1.4	0.5	0.2	5.0	0.5	0.3	0.2	0.2	0.03	7	
S 1215	6.8	11.4	3.4	21.8	3.2	0.1	0.6	0.1	0.2	1.4	0.2	0.2	0.2	0.2	0.03	12	
S 1216	2.1	3.9	2.8	8.8	1.0	0.1	0.2	0.1	0.2	1.0	0.2	0.2	0.2	0.2	0.03	9	
S 1217	13.9	22.7	3.1	33.1	5.1	0.1	0.8	0.1	0.2	3.4	0.5	0.2	0.2	0.2	0.03	13	
S 1218	6.2	14.7	3.4	32.8	3.3	0.1	0.7	0.1	0.2	2.2	0.3	0.2	0.2	0.2	0.03	3	
S 1219	2.9	5.4	3.4	11.4	1.8	0.1	0.5	0.1	0.7	1.1	0.3	0.2	0.2	0.2	0.03	5	
S 1220	79.0	15.0	8.3	55.1	8.9	0.1	1.3	0.4	0.2	6.9	0.6	0.2	0.6	0.2	0.03	10	
S 1221	19.2	32.4	4.8	40.9	7.9	0.2	0.9	0.1	0.2	3.2	0.6	0.2	0.2	0.2	0.03	12	
S 1222	7.5	14.7	2.7	34.1	5.5	0.1	0.9	0.1	0.2	2.3	0.5	0.2	0.2	0.2	0.03	11	
S 1223	4.3	6.3	2.9	12.8	1.6	0.1	0.4	0.1	0.2	0.7	0.4	0.2	0.2	0.2	0.03	37	
S 1224	9.4	15.0	2.8	32.2	3.9	0.1	0.7	0.1	0.2	1.5	0.7	0.2	0.2	0.2	0.03	2	
S 1225	25.1	28.9	6.1	56.0	14.9	0.2	1.5	0.3	0.2	4.4	0.7	0.2	0.4	0.2	0.03	8	
S 1226	12.2	19.8	3.8	37.3	5.6	0.1	0.8	0.1	0.2	3.3	0.4	0.2	0.2	0.2	0.03	5	
S 1227	20.9	26.1	6.2	44.4	8.3	0.2	0.8	0.1	0.2	4.2	0.3	0.2	0.2	0.2	0.03	8	
S 1228	18.2	22.9	4.2	46.2	6.7	0.2	0.9	0.1	0.2	3.5	0.3	0.2	0.2	0.2	0.03	12	
S 1229	10.1	18.5	3.4	32.7	4.7	0.1	0.7	0.1	0.2	1.9	0.4	0.2	0.2	0.2	0.03	8	
S 1230	10.4	17.5	3.5	30.7	5.4	0.1	0.8	0.1	0.2	2.1	0.5	0.2	0.2	0.2	0.03	9	
SM 1231	120.9	8.1	5.7	38.6	6.6	0.1	1.3	0.2	0.2	6.2	0.6	0.2	0.2	0.2	0.03	15	

EAGLE	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb
S 1232	65.7	11.5	10.6	32.3	6.4	0.2	1.3	0.3	0.2	5.2	0.8	0.2	0.2	0.2	0.03	8
S 1233	1,100.0	22.2	6.6	73.2	19.6	1.0	2.9	0.7	0.2	103.2	0.5	0.2	0.3	0.2	0.03	28
S 1234	1,930.0	19.7	10.5	63.9	34.0	0.8	3.6	0.5	0.2	84.1	0.3	0.2	0.4	0.2	0.03	30
S 1235	355.9	7.2	13.0	29.6	6.1	0.2	3.4	0.9	0.2	22.4	0.4	0.2	0.2	0.2	0.03	23
S 1236	276.8	14.1	28.4	44.0	8.2	0.2	1.6	0.1	0.2	7.1	1.1	0.2	0.7	0.2	0.03	15
S 1237	57.6	10.6	5.4	35.8	6.7	0.2	1.9	0.2	0.2	4.6	0.3	0.2	0.2	0.2	0.03	6
S 1238	78.0	24.1	4.3	48.0	14.6	0.1	1.7	0.2	0.2	6.3	0.8	0.2	0.2	0.2	0.03	3
S 1239	69.2	11.3	6.8	35.0	14.0	0.4	4.2	0.5	0.2	3.3	0.3	0.2	0.3	0.2	0.03	8
S 1240	14.0	7.1	5.7	28.0	4.1	0.1	1.4	0.2	0.2	2.2	0.2	0.2	0.2	0.2	0.03	10
S 1241	177.0	20.8	5.2	47.8	13.0	0.2	2.1	0.1	0.2	8.9	1.0	0.2	0.6	0.2	0.03	7
S 1242	940.0	19.7	5.4	57.2	13.2	0.3	4.4	0.3	0.2	26.5	1.2	0.2	0.6	0.2	0.03	22
S 1243	1,120.0	21.1	11.5	55.4	20.7	0.9	3.3	0.5	0.2	114.0	0.7	0.2	0.8	0.2	0.03	26
S 1244	53.3	14.6	5.2	53.8	11.1	0.2	1.6	0.3	0.2	5.4	0.8	0.2	0.2	0.2	0.03	4
S 1245	21.2	9.1	7.1	39.0	7.3	0.1	0.8	0.1	0.2	2.7	0.2	0.2	0.2	0.2	0.03	3
S 1246	19.8	7.5	6.2	32.9	5.0	0.1	1.1	0.1	0.2	4.0	0.3	0.2	0.2	0.2	0.03	8
S 1247	74.5	3.7	3.9	29.4	9.8	0.1	0.9	0.1	0.2	6.5	0.2	0.2	0.2	0.2	0.03	9
SM 1248	800.0	7.5	8.7	30.6	8.8	0.1	1.6	0.8	4.1	20.3	0.5	0.2	0.2	0.2	0.03	190
SM 1249	520.0	6.5	7.0	49.7	11.1	1.0	3.1	0.9	0.2	148.8	0.5	0.2	0.2	0.2	0.03	60
S 1250	39.9	7.6	6.8	27.5	3.7	0.3	1.3	0.3	0.2	5.7	0.2	0.2	0.2	0.2	0.03	24
S 1251	143.8	25.9	5.5	52.6	13.8	0.3	3.4	0.2	0.2	18.4	0.9	0.2	0.2	0.2	0.03	16
S 1252	44.5	9.4	6.9	30.0	4.6	0.1	1.5	0.1	0.2	5.1	0.4	0.2	0.2	0.2	0.03	15
S 1253	138.8	16.9	5.7	51.0	13.3	0.1	1.9	0.2	0.2	5.7	1.2	0.2	1.1	0.2	0.03	15
S 1254	117.8	11.6	5.3	41.5	10.0	0.1	1.4	0.1	0.2	8.7	0.7	0.2	0.2	0.2	0.03	14
S 1255	17.4	8.5	6.1	32.5	5.4	0.2	1.0	0.1	0.2	2.9	0.3	0.2	0.2	0.2	0.03	7
S 1256	49.7	22.1	6.5	52.2	8.0	0.2	1.1	0.2	0.2	5.6	0.5	0.2	0.2	0.2	0.03	11
S 1257	16.2	7.1	7.4	27.5	5.3	0.1	0.8	0.2	0.2	3.3	0.5	0.2	0.2	0.2	0.18	7
SM 1258	70.2	23.0	6.7	82.6	10.0	0.2	1.8	0.2	0.2	8.6	1.5	0.2	0.5	0.2	0.03	7
S 1259	39.9	16.9	7.3	56.0	7.0	0.2	1.1	0.1	0.2	8.4	0.7	0.3	0.2	0.2	0.03	5
S 1260	24.7	14.5	8.0	52.4	7.6	0.5	1.0	0.2	0.2	4.3	0.5	0.3	0.2	0.2	0.03	5
S 1261	42.3	14.7	9.0	86.9	11.1	0.7	1.1	0.1	0.2	6.0	0.4	0.2	0.3	0.2	0.03	8
S 1262	22.4	14.9	8.8	45.6	6.8	0.2	1.2	0.2	0.2	6.2	0.5	0.3	0.2	0.2	0.03	6
S 1263	12.7	5.8	5.6	29.1	4.1	0.1	0.6	0.2	0.2	1.8	0.2	0.2	0.2	0.2	0.03	10
S 1264	76.7	10.0	6.7	73.4	11.4	0.1	1.2	0.1	0.2	3.3	0.6	0.2	0.2	0.2	0.03	4
S 1265	51.7	3.9	3.4	40.7	10.0	0.1	0.8	0.1	0.2	0.9	0.2	0.2	0.2	0.2	0.03	11
S 1266	59.1	2.5	4.0	20.1	6.7	0.1	0.6	0.1	0.2	0.7	0.2	0.2	0.2	0.2	0.03	6
S 1267	98.8	9.8	9.2	112.5	18.9	0.5	1.4	0.4	0.2	7.7	0.9	0.2	0.4	0.2	0.03	3
S 1268	118.3	17.1	6.6	54.8	13.1	0.1	1.5	0.2	0.2	5.5	1.0	0.2	0.5	0.2	0.03	7
S 1269	212.1	13.0	3.8	22.9	7.3	2.3	2.4	3.7	0.2	5.3	0.9	0.2	0.7	0.2	0.03	12
S 1270	55.7	8.1	8.3	77.9	13.5	0.2	1.1	0.1	0.2	2.7	0.5	0.3	0.2	0.2	0.03	10
S 1271	16.5	8.5	9.5	46.7	4.8	0.4	0.9	0.1	0.2	3.0	0.2	0.2	0.2	0.2	0.03	1
S 1272	25.7	13.3	7.3	70.9	7.0	0.2	0.8	0.1	0.2	3.9	0.4	0.2	0.2	0.2	0.03	5
S 1273	10.5	7.7	10.7	33.8	3.6	0.1	0.8	0.1	0.2	3.7	0.3	0.3	0.2	0.2	0.03	11
S 1274	20.3	10.9	7.1	37.1	6.1	0.1	1.0	0.1	0.2	4.6	0.8	0.2	0.2	0.2	0.03	12
S 1275	23.2	12.6	7.8	43.5	4.3	0.4	1.1	0.4	0.2	5.2	0.6	0.2	0.2	0.2	0.03	14
S 1276	73.2	19.0	13.5	69.3	11.5	0.5	1.5	0.5	0.2	5.9	0.7	0.2	0.4	0.2	0.03	14
S 1277	46.2	10.1	7.1	34.1	7.8	0.2	0.9	0.4	0.2	3.9	0.4	0.2	0.2	0.2	0.03	7
S 1278	45.4	13.7	7.3	51.8	6.9	0.3	1.1	0.3	0.2	5.4	0.6	0.2	0.2	0.2	0.05	1
S 1279	30.3	13.4	7.1	55.0	6.4	0.2	1.0	0.2	0.2	4.9	0.9	0.2	0.2	0.2	0.03	6
S 1280	82.9	16.0	4.9	35.2	6.7	1.2	1.2	0.7	0.2	4.2	0.5	0.7	0.6	0.2	0.03	10
S 1281	87.1	10.8	7.7	57.1	5.5	0.3	1.8	0.5	0.2	4.1	0.7	0.2	0.2	0.2	0.03	6
S 1282	7.3	5.5	6.8	33.5	2.0	0.2	0.8	0.1	0.2	2.6	0.3	0.2	0.2	0.2	0.03	4
SM 1283	4.1	5.0	5.7	22.6	2.3	0.2	0.8	0.1	0.2	3.0	0.4	0.2	0.2	0.2	0.03	22

EAGLE	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb
S 1284	10.4	6.9	5.5	24.6	2.4	0.1	1.0	0.1	0.2	4.5	0.4	0.2	0.2	0.2	0.03	20
S 1285	5.1	6.7	4.0	29.4	3.5	0.1	0.6	0.2	0.2	3.8	0.3	0.2	0.2	0.2	0.03	1
S 1286	24.0	15.6	6.0	65.6	10.2	0.3	2.0	0.1	0.2	16.2	0.2	0.2	0.2	0.2	0.03	13
S 1287	9.0	4.2	10.8	165.2	6.2	0.7	1.3	0.7	0.2	2.1	0.2	0.6	0.2	0.2	0.03	10
S 1288	31.9	17.3	6.4	63.2	9.3	0.6	1.3	0.2	0.2	19.0	0.8	0.2	0.2	0.2	0.03	4
S 1289	11.1	7.5	8.8	89.8	12.3	0.4	1.3	0.3	0.2	32.6	0.7	0.3	0.2	0.2	0.03	4
S 1290	197.0	29.8	8.2	52.4	13.5	0.3	2.8	0.5	0.2	6.5	0.5	0.2	0.4	0.2	0.03	9
S 1291	194.4	12.3	4.6	24.4	5.5	0.6	1.7	0.4	0.2	3.6	0.2	1.0	1.3	0.2	0.03	20
S 1292	11.6	8.9	6.7	53.6	4.6	0.4	1.9	0.2	0.2	14.6	0.4	0.2	0.2	0.2	0.03	4
S 1293	281.4	31.9	8.6	55.0	13.6	1.0	4.6	0.9	0.2	6.0	0.9	0.2	1.2	0.2	0.03	10
S 1294	34.5	10.8	4.7	38.6	11.0	0.1	2.8	0.1	0.2	4.3	0.4	0.2	0.2	0.2	0.03	4
S 1295	14.1	8.6	4.5	39.8	6.6	0.3	0.9	0.1	0.2	10.0	0.2	0.2	0.2	0.2	0.03	4
S 1296	8.9	8.8	6.3	69.0	4.7	0.3	1.5	0.3	0.2	8.5	0.5	0.2	0.2	0.2	0.03	12
S 1297	2.5	1.8	2.4	19.3	0.7	0.1	0.4	0.1	0.3	0.7	0.2	0.2	0.2	0.2	0.03	8
S 1298	4.5	4.2	4.4	29.5	2.2	0.2	0.6	0.1	0.2	2.1	0.5	0.2	0.2	0.2	0.03	9
S 1299	32.9	9.3	4.5	49.4	6.1	0.7	1.2	0.2	0.2	9.6	0.5	0.3	0.3	0.2	0.03	12
S 1300	18.7	13.4	10.1	152.8	12.1	1.1	1.5	0.6	0.2	6.3	1.0	0.3	0.2	0.2	0.03	7
S 1301	18.5	10.7	9.4	97.7	10.3	0.5	1.2	0.1	0.2	7.7	0.3	0.4	0.2	0.2	0.03	5
S 1302	10.4	8.0	6.6	37.0	4.9	0.2	0.8	0.1	0.2	17.3	0.3	0.2	0.2	0.2	0.03	5
S 1303	9.9	10.5	4.6	51.3	6.6	0.2	0.9	0.1	0.2	8.3	0.6	0.3	0.2	0.2	0.03	5
S 1304	2.9	2.8	4.9	36.3	2.4	0.1	0.5	0.1	0.2	1.2	0.3	0.2	0.2	0.2	0.03	23
S 1305	18.1	13.8	6.4	63.7	8.7	0.4	1.2	0.3	0.2	9.3	0.9	0.2	0.2	0.2	0.03	4
S 1306	60.6	4.9	5.5	75.4	10.5	0.3	3.7	0.2	0.3	3.4	0.8	1.0	0.2	0.2	0.03	10
S 1307	49.0	5.7	6.2	62.9	13.4	0.2	1.7	0.3	0.2	2.6	0.5	0.2	0.3	0.2	0.03	9
SM 1308	380.0	7.0	4.7	55.2	13.0	1.2	3.2	1.6	0.2	5.9	0.8	0.2	1.7	0.2	0.03	10
S 1309	670.0	11.8	5.5	47.0	12.1	1.4	3.2	2.0	0.2	5.8	1.2	0.2	1.5	0.2	0.03	14
S 1310	4,100.0	18.2	8.2	115.3	28.7	1.5	4.9	1.5	0.2	8.4	1.8	0.2	1.3	0.2	0.03	13
S 1311	510.0	12.1	6.9	34.2	10.8	1.1	3.1	1.2	0.2	8.5	0.9	0.2	0.9	0.2	0.03	4
S 1312	13.3	5.9	6.5	29.6	3.4	0.1	0.8	0.2	0.2	2.4	0.4	0.3	0.2	0.2	0.03	1
S 1313	18.2	12.1	4.3	34.7	4.6	0.1	0.9	0.1	0.2	3.7	0.5	0.3	0.2	0.3	0.03	4
S 1314	36.4	15.1	4.1	47.5	11.9	0.2	1.0	0.2	0.2	5.3	0.6	0.4	0.5	0.3	0.03	5
S 1315	67.6	14.9	4.2	77.2	13.2	0.2	1.4	0.4	0.2	5.8	1.0	0.5	0.6	0.2	0.04	3
S 1316	6.0	6.3	5.4	20.9	2.9	0.1	0.5	0.1	0.2	2.0	0.4	0.2	0.2	0.3	0.03	1
S 1317	16.2	12.2	4.2	38.6	4.4	0.2	0.8	0.2	0.2	3.8	0.5	0.3	0.2	0.3	0.03	43
S 1318	57.8	34.2	4.4	69.1	10.8	0.3	2.5	0.1	0.2	11.5	0.8	0.6	0.3	0.2	0.03	4
S 1319	21.6	10.3	4.2	24.3	5.5	0.2	1.6	0.2	0.2	4.1	0.3	0.3	0.2	0.2	0.03	8
S 1320	147.9	7.4	5.5	12.8	4.5	1.0	3.5	0.9	0.2	4.2	1.0	0.5	0.7	0.2	0.03	18
S 1321	25.0	10.2	4.5	36.2	7.2	0.1	1.4	0.1	0.2	5.1	0.7	0.5	0.2	0.3	0.03	7
S 1322	2,580.0	7.1	8.6	27.5	11.9	0.5	5.3	0.6	0.4	10.0	1.3	0.2	0.2	0.2	0.03	16
S 1323	79.2	5.7	5.8	56.1	15.5	0.3	2.1	0.3	0.2	4.0	0.3	0.2	0.2	0.2	0.03	16
S 1324	84.7	7.9	3.8	68.0	18.2	0.1	2.2	0.1	0.2	2.7	0.9	0.8	0.4	0.2	0.03	22
S 1325	162.4	5.3	13.8	31.5	27.5	0.5	3.9	0.7	1.6	6.1	0.3	0.4	0.2	0.2	0.03	42
S 1326	63.1	5.7	7.4	63.2	19.1	0.1	1.2	0.6	0.2	1.7	0.5	0.2	0.2	0.2	0.03	6
S 1327	77.5	6.3	4.1	69.0	14.6	0.1	2.4	0.4	0.2	6.6	1.6	0.2	0.9	0.2	0.04	14
S 1328	140.0	7.2	6.5	42.8	9.9	0.3	2.2	0.2	0.2	3.4	0.2	0.2	0.2	0.2	0.03	12
S 1329	3,080.0	8.6	7.8	83.4	30.0	1.9	2.4	2.4	0.2	4.3	1.3	0.2	0.8	0.2	0.05	14
S 1330	34.8	9.1	4.5	35.7	9.4	0.1	2.5	0.1	0.2	3.6	0.4	0.2	0.2	0.2	0.03	4
S 1331	45.4	11.7	10.3	92.4	12.6	0.1	1.6	0.5	1.2	5.4	0.2	0.2	0.2	0.2	0.03	1
S 1332	40.1	12.6	8.8	65.9	13.7	0.1	1.4	0.5	0.2	5.1	0.3	0.2	0.2	0.2	0.06	1
SM 1333	69.4	10.0	9.2	103.4	16.4	0.1	1.7	0.6	0.2	6.2	0.2	0.2	0.2	0.2	0.08	5
S 1334	361.6	8.3	9.8	69.5	14.3	0.3	3.0	0.6	0.2	13.2	0.2	0.2	0.2	0.3	0.03	38
S 1335	36.7	6.9	10.5	40.9	7.4	0.1	1.5	0.3	0.2	7.0	0.4	0.2	0.2	0.3	0.09	9

EAGLE	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb
S 1336	43.0	8.3	11.0	51.5	10.4	0.2	3.4	0.4	0.2	5.6	0.5	0.2	0.2	0.2	0.03	4
S 1337	47.0	10.9	10.9	74.4	12.9	0.3	1.1	0.5	0.2	4.7	0.2	0.2	0.2	0.2	0.03	5
S 1338	36.8	11.1	9.2	55.5	9.6	0.3	1.9	0.3	0.2	6.8	0.6	0.2	0.2	0.3	0.03	4
S 1339	338.9	18.0	6.4	44.2	12.6	0.3	6.3	0.5	0.2	4.7	0.2	0.2	1.1	0.2	0.03	4
S 1340	38.6	9.9	9.0	38.5	6.9	0.2	1.2	0.2	0.2	5.0	0.2	0.2	0.2	0.3	0.03	1
S 1341	94.6	16.9	7.3	51.8	14.1	0.2	2.3	0.3	0.2	4.5	0.6	0.2	0.2	0.2	0.10	2
S 1342	50.8	8.5	8.7	41.7	7.9	0.2	1.5	0.2	0.2	3.6	0.4	0.2	0.2	0.3	0.03	1
S 1343	27.4	5.2	9.7	27.8	4.7	0.2	4.7	0.2	0.2	4.6	0.2	0.2	0.2	0.4	0.03	2
S 1344	175.2	12.6	8.8	72.3	15.9	0.1	2.2	0.7	0.2	8.5	0.4	0.2	0.2	0.4	0.03	15
S 1345	88.1	5.4	10.0	32.4	7.3	0.1	1.5	0.2	0.2	7.6	0.2	0.2	0.2	0.6	0.03	14
S 1346	44.3	4.9	10.2	21.5	4.7	0.1	1.8	0.3	0.2	1.6	0.2	0.2	0.2	0.2	0.03	6
S 1347	80.9	7.4	11.6	55.2	19.5	0.1	1.3	0.8	0.2	5.5	0.5	0.2	0.4	0.2	0.03	27
S 1348	30.5	10.8	11.6	53.7	9.1	0.1	1.0	0.3	0.2	7.0	0.2	0.2	0.2	0.3	0.09	1
S 1349	23.6	6.4	10.4	45.6	6.8	0.2	0.9	0.2	0.2	3.6	0.4	0.2	0.2	0.2	0.03	1
S 1350	53.2	12.9	10.4	101.1	16.5	0.3	1.8	0.4	0.8	4.4	0.7	0.2	0.2	0.2	0.03	2
S 1351	34.5	6.1	13.3	37.9	4.8	0.3	1.0	0.2	2.1	1.2	0.3	0.2	0.2	0.2	0.09	1
S 1352	51.7	14.3	12.1	75.8	12.8	0.3	1.6	0.3	0.2	8.7	0.2	0.2	0.2	0.2	0.04	8
S 1353	72.8	5.3	8.9	21.1	3.2	0.2	1.1	0.4	0.6	3.2	0.2	0.2	0.2	0.2	0.03	48
S 1354	48.6	9.4	29.5	57.3	11.8	0.2	1.3	0.3	0.2	5.6	0.7	0.2	0.2	0.2	0.03	8
S 1355	1,262.0	6.0	13.8	54.5	126.8	0.3	6.0	1.2	0.2	71.9	0.2	0.2	0.2	0.2	0.03	130
S 1356	53.0	20.7	13.9	30.3	3.5	0.6	1.1	0.6	0.2	3.0	0.2	0.2	0.3	0.2	0.03	*
S 1357	14.4	12.4	9.3	50.4	4.5	0.3	1.1	0.3	0.2	8.6	0.2	0.2	0.2	0.2	0.03	4
SM 1358	7.3	4.5	6.4	15.6	1.4	0.1	0.6	0.1	0.2	1.9	0.4	0.2	0.2	0.2	0.03	4
S 1359	7.0	4.0	4.7	9.4	1.1	0.1	0.5	0.1	0.5	1.7	0.3	0.3	0.2	0.2	0.03	4
S 1360	75.8	53.1	5.9	27.6	3.5	1.5	1.5	0.6	0.6	4.6	0.2	1.1	0.2	0.2	0.03	*
S 1361	8.1	6.0	6.2	26.6	2.2	0.1	0.6	0.1	0.2	3.2	0.2	0.2	0.2	0.2	0.03	2
S 1362	8.6	5.4	5.7	26.0	1.7	0.2	0.5	0.1	0.2	1.1	0.8	0.2	0.2	0.2	0.03	4
S 1363	8.5	3.6	6.5	19.4	1.1	0.1	0.4	0.1	0.2	0.9	0.4	0.2	0.2	0.2	0.03	12
S 1364	7.1	3.9	6.2	21.4	1.2	0.1	0.4	0.1	0.2	0.6	0.4	0.2	0.2	0.2	0.03	6
S 1365	6.4	4.3	5.2	13.0	1.2	0.1	0.3	0.1	0.2	1.4	0.2	0.2	0.2	0.2	0.03	4
S 1366	8.1	2.6	6.0	22.7	1.4	0.2	0.2	0.1	0.2	0.5	0.2	0.2	0.2	0.2	0.03	7
S 1367	11.7	8.0	6.6	42.1	4.1	0.1	0.5	0.2	0.2	2.6	0.6	0.2	0.2	0.2	0.03	13
S 1368	9.3	9.0	6.2	33.0	2.6	0.2	0.8	0.2	0.2	3.3	0.3	0.2	0.2	0.2	0.03	41
S 1369	8.4	13.0	3.8	27.9	3.7	0.1	0.8	0.1	4.0	4.6	1.0	0.2	0.2	0.4	0.13	6
S 1370	7.9	9.3	4.3	23.3	2.5	0.1	0.6	0.1	1.8	4.0	0.7	0.2	0.2	0.2	0.08	5
S 1371	71.0	23.2	5.4	5.0	0.7	0.9	1.5	0.5	4.2	3.2	0.6	1.9	2.1	0.4	0.03	*
S 1372	68.7	24.3	3.3	17.7	1.4	0.8	1.5	0.4	1.5	4.6	0.8	2.0	3.6	0.9	0.03	*
S 1373	75.2	30.9	3.5	10.4	0.4	1.0	1.5	0.5	0.8	2.8	0.2	1.8	1.6	0.7	0.03	20
S 1374	9.8	14.9	7.2	93.3	5.8	0.6	1.5	0.2	0.2	14.5	0.5	0.2	0.2	0.2	0.03	4
S 1375	8.2	10.9	9.0	70.6	4.8	0.7	1.5	0.3	0.2	10.9	0.6	0.2	0.2	0.2	0.09	4
S 1376	37.8	24.9	3.9	13.8	0.8	0.4	1.5	0.7	0.4	2.6	0.2	1.7	0.9	0.5	0.03	28
S 1377	141.1	65.3	15.6	180.6	14.9	3.4	3.8	1.2	0.2	45.0	0.3	0.2	0.2	0.2	0.04	18
S 1378	348.9	79.1	9.1	81.7	7.7	1.4	2.3	1.1	0.2	31.2	1.6	0.9	3.0	0.2	0.06	*
S 1379	123.5	24.1	2.9	40.3	1.2	0.7	3.0	0.6	0.2	6.3	0.2	1.7	3.8	0.7	0.03	*
S 1380	34.5	10.0	2.4	4.7	0.2	0.9	2.5	0.4	0.2	2.4	0.2	1.9	1.9	0.4	0.03	*
S 1381	10.1	18.0	4.2	32.1	4.5	0.1	1.1	0.1	0.2	6.1	0.5	0.2	0.2	0.2	0.03	7
SM 1382	3.9	4.1	4.5	13.2	0.9	0.1	0.1	0.1	0.2	0.9	0.2	0.3	0.2	0.4	0.03	3
S 1383	6.2	11.0	5.0	25.3	3.1	0.1	0.6	0.1	0.2	3.9	0.6	0.2	0.2	0.3	0.03	6
S 1384	12.2	14.8	4.4	24.4	3.2	0.3	0.6	0.1	0.2	3.5	0.5	0.2	0.2	0.3	0.03	2
S 1385	11.9	21.1	4.9	37.9	6.3	0.2	1.0	0.1	0.2	6.6	0.2	0.2	0.2	0.2	0.03	37 *
S 1386	9.8	14.6	4.4	33.0	7.3	0.3	0.9	0.3	0.2	4.6	0.4	0.2	0.2	0.3	0.03	15
S 1387	13.0	15.4	5.4	51.3	4.8	0.2	1.1	0.3	0.2	7.9	0.9	0.2	0.2	0.2	0.08	8

EAGLE	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb
S 1388	5.3	9.1	5.0	24.8	2.3	0.1	0.9	0.1	4.1	4.8	0.9	0.2	0.2	0.2	0.03	6
S 1389	3.2	5.4	4.7	17.5	1.8	0.1	0.5	0.1	2.7	2.8	0.5	0.2	0.2	0.2	0.03	15
S 1390	307.5	12.9	6.0	101.9	24.3	0.2	2.8	0.6	0.2	5.3	0.7	0.2	0.2	0.2	0.03	13
S 1391	396.3	9.5	4.8	68.6	15.8	0.3	3.0	1.0	0.2	2.2	1.6	0.2	0.8	0.2	0.05	26
SM 1392	160.2	12.7	4.0	53.3	18.2	0.2	2.1	0.3	0.2	2.7	1.0	0.2	0.2	0.2	0.07	8
S 1393	365.5	13.7	7.2	65.2	24.4	0.4	1.9	1.0	0.2	4.7	0.2	0.2	0.2	0.2	0.05	3
S 1394	396.4	8.6	6.6	64.2	29.2	0.2	1.8	0.7	0.2	4.3	0.7	0.2	0.6	0.2	0.03	8
S 1395	404.4	9.8	10.6	80.3	32.6	0.4	1.2	0.7	0.2	4.0	0.2	0.2	0.2	0.2	0.04	6
S 1396	314.0	7.4	7.2	67.1	21.7	0.1	1.4	0.6	0.2	2.8	0.8	0.2	0.2	0.2	0.05	8
S 1397	177.8	6.9	7.7	53.0	16.8	0.3	1.2	0.5	0.2	0.7	0.2	0.2	0.4	0.2	0.03	9
S 1398	440.4	7.9	5.6	59.2	16.5	0.5	1.9	0.5	0.2	1.9	1.1	0.2	0.2	0.2	0.03	52
S 1399	182.6	9.4	5.6	129.3	17.2	1.4	1.1	0.6	0.2	2.0	0.2	0.2	0.2	0.2	0.03	34
S 1400	36.8	6.9	6.6	45.5	7.5	0.7	1.2	0.2	0.2	1.0	0.2	0.2	0.2	0.2	0.03	3
S 1401	1,722.0	9.4	5.7	115.1	22.0	1.6	2.1	0.6	0.2	4.1	0.8	0.2	0.7	0.2	0.03	9
S 1402	828.0	9.5	10.5	66.6	26.8	1.9	1.4	1.9	0.2	1.5	0.2	0.2	0.5	0.2	0.03	2
S 1403	1,711.0	10.7	5.7	39.5	38.8	0.2	2.0	1.7	0.2	2.7	0.9	0.2	0.4	0.2	0.03	10
S 1404	327.8	7.5	5.5	83.6	37.5	0.2	1.4	0.8	0.2	3.8	0.2	0.2	0.2	0.2	0.03	1
S 1405	619.1	15.9	11.6	73.1	40.1	1.9	2.2	2.0	0.2	3.5	0.4	0.2	0.8	0.2	0.03	8
S 1406	126.3	7.7	6.2	59.7	26.0	0.8	1.0	0.4	0.2	2.3	0.2	0.2	0.2	0.2	0.03	2
S 1407	90.4	5.1	5.4	33.0	6.8	0.4	0.8	0.3	5.3	1.4	0.6	0.2	0.5	0.2	0.03	8
S 1408	104.2	10.5	6.2	71.4	17.7	0.3	1.7	0.5	0.5	1.4	0.9	0.2	0.9	0.2	0.05	8
S 1409	47.7	12.6	5.6	33.1	7.0	0.1	1.0	0.2	0.2	6.8	0.7	0.2	0.2	0.2	0.03	4
S 1410	168.7	14.1	6.9	56.5	16.9	0.4	1.9	0.4	0.2	7.7	0.9	0.2	0.6	0.2	0.03	28
S 1411	196.9	10.7	14.0	59.3	13.1	1.0	1.3	0.5	2.6	2.4	0.2	0.2	0.4	0.2	0.04	42
S 1412	520.1	19.0	19.8	58.3	20.5	1.1	1.6	1.1	0.2	3.4	0.2	0.2	0.2	0.2	0.05	14
S 1413	3,222.0	8.4	7.8	45.6	12.7	1.6	1.3	1.8	0.2	3.0	0.2	0.2	3.2	0.6	0.03	24
S 1414	439.1	12.9	12.3	92.0	27.0	0.9	1.4	0.4	0.2	2.1	0.2	0.2	0.2	0.4	0.06	14
S 1415	17.5	6.9	6.1	28.4	5.1	0.1	1.1	0.1	0.2	1.5	0.2	0.2	0.2	0.9	0.03	6
SM 1416	92.9	14.8	8.6	62.1	10.9	0.3	1.6	0.3	0.2	8.2	0.3	0.2	0.2	0.9	0.03	16
S 1417	269.6	14.5	6.6	79.3	17.7	0.3	1.8	0.6	0.2	2.2	0.3	0.2	0.2	0.2	0.03	4
S 1418	183.8	12.0	5.2	77.7	23.1	0.2	2.5	0.6	0.2	3.6	0.7	0.2	0.2	0.2	0.03	20
S 1419	96.5	15.5	13.1	78.0	28.0	0.3	1.9	0.4	0.2	3.6	1.3	0.2	0.2	0.2	0.03	4
S 1420	175.5	21.2	9.8	59.8	15.4	0.2	2.5	0.4	0.2	12.8	0.9	0.2	0.2	0.2	0.03	6
S 1421	58.3	17.4	7.2	48.9	7.8	0.3	1.2	0.1	0.2	4.6	0.2	0.2	0.2	0.3	0.03	2
S 1422	96.5	11.5	10.5	65.3	11.6	0.4	1.0	0.3	0.2	2.5	0.2	0.2	0.2	0.2	0.03	12
S 1423	385.0	10.6	6.0	107.4	33.9	0.2	2.2	1.1	0.2	2.3	0.2	0.2	0.2	0.2	0.03	12
S 1424	39.2	12.5	8.9	47.8	8.7	0.2	1.4	0.1	0.2	14.1	0.2	0.2	0.2	0.5	0.03	9
S 1425	108.0	28.1	8.0	70.7	15.8	0.5	1.9	0.3	0.2	30.4	0.6	0.2	0.2	0.5	0.03	18
SM 1426	45.5	13.1	10.2	62.0	10.1	0.5	1.2	0.3	0.2	42.5	0.2	0.2	0.2	0.5	0.03	11
S 1427	76.8	20.4	8.7	70.9	10.4	0.3	2.0	0.3	0.2	22.4	1.3	0.2	0.7	0.2	0.03	8
S 1428	19.2	6.5	7.7	41.3	5.7	0.3	1.2	0.2	0.2	5.5	0.2	0.2	0.2	1.0	0.03	10
S 1429	339.0	15.9	13.8	119.4	32.1	3.0	4.2	2.9	0.2	230.1	0.2	0.2	0.3	0.2	0.08	12
S 1430B	38.9	15.2	7.7	48.6	8.8	0.4	1.7	0.2	0.2	18.2	0.7	0.2	0.2	0.3	0.03	25
S 1430A	42.4	15.7	7.4	50.5	9.1	0.4	1.9	0.2	0.2	20.5	0.6	0.2	0.2	0.2	0.03	6
S 1431	20.8	8.5	6.6	27.3	3.9	0.3	1.1	0.2	3.9	3.0	0.2	0.2	0.5	0.3	0.04	4
S 1432	26.3	14.2	7.5	40.9	6.5	0.2	1.2	0.2	0.5	8.1	0.2	0.2	0.2	0.2	0.03	7
S 1433	132.8	22.8	6.2	54.9	12.0	0.5	1.8	0.3	0.2	23.8	0.4	0.2	0.2	0.2	0.04	24
S 1434	56.1	19.1	7.6	50.2	9.5	0.2	1.8	0.2	0.2	10.7	0.2	0.2	0.2	0.2	0.03	8
S 1435	31.2	19.3	9.1	42.0	7.0	0.1	1.5	0.2	0.2	8.5	0.2	0.2	0.2	0.3	0.03	5
S 1436	100.1	10.0	12.8	44.7	9.6	0.5	1.5	0.4	0.2	17.4	0.2	0.2	0.5	0.3	0.03	16
S 1437	202.0	16.1	12.5	99.9	32.2	0.8	1.7	0.7	1.0	55.1	0.2	0.2	0.2	0.2	0.03	38
S 1438	108.3	13.2	8.0	105.3	24.1	0.5	2.3	0.6	0.2	39.5	0.2	0.2	0.2	0.2	0.03	6

EAGLE	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb
S 1439	38.5	12.7	8.4	67.1	13.6	0.4	1.1	0.2	0.2	39.7	0.2	0.2	0.2	0.5	0.03	11
S 1440	87.6	15.6	14.6	63.8	10.6	0.5	1.9	0.4	0.2	41.4	0.7	0.2	0.2	0.2	0.03	8
S 1441	282.6	24.8	9.5	65.0	31.0	0.7	1.8	0.4	0.2	95.8	1.2	0.2	0.2	0.2	0.03	16
S 1442	111.1	25.6	8.2	84.0	29.7	0.4	1.5	0.4	0.2	61.5	0.2	0.2	0.2	0.2	0.03	7
S 1443	16.2	7.0	8.4	37.9	8.2	0.2	0.8	0.2	0.2	2.6	0.2	0.2	0.4	1.0	0.03	6
S 1444	31.6	14.4	5.8	48.7	9.8	0.3	2.6	0.2	0.2	35.1	0.2	0.2	0.2	0.5	0.03	3
S 1445	52.4	13.6	7.9	58.5	12.2	0.4	1.6	0.3	0.2	30.4	0.8	0.2	0.2	0.6	0.03	6
S 1446	46.4	12.0	8.3	49.5	11.0	0.3	1.3	0.3	0.2	31.2	0.2	0.2	0.2	1.1	0.03	6
S 1447	165.2	22.8	8.4	97.7	21.3	0.6	2.1	0.6	0.2	37.6	0.5	0.2	0.2	0.2	0.03	9
S 1448	22.1	42.2	7.6	107.8	17.5	0.2	1.4	0.3	0.2	8.2	0.2	0.2	0.2	0.3	0.03	6
S 1449	53.1	8.1	8.4	62.7	11.7	0.1	1.2	0.4	0.2	3.7	0.2	0.2	0.2	0.7	0.03	8
SM 1450	137.0	14.9	6.5	58.3	18.8	0.2	2.3	0.6	0.5	9.1	0.2	0.2	0.2	0.2	0.04	20
S 1451	20.6	11.9	6.6	41.5	6.7	0.2	1.8	0.4	0.6	3.6	0.2	0.2	0.2	0.3	0.03	10 **
S 1452	27.5	10.8	5.9	41.0	7.5	0.3	2.4	0.4	0.2	4.8	0.3	0.2	0.2	0.2	0.03	16
S 1453	41.2	12.3	6.6	75.0	11.7	0.3	1.9	0.3	0.2	7.2	0.2	0.2	1.0	0.4	0.03	7
S 1454	31.8	6.7	8.6	42.5	7.8	0.1	1.6	0.2	0.2	6.1	0.2	0.2	0.2	0.2	0.03	17
S 1455	40.8	9.3	7.4	50.6	12.1	0.2	1.5	0.4	0.2	6.8	0.2	0.2	0.2	0.2	0.03	8
S 1456	17.1	6.9	8.6	37.7	5.8	0.2	1.1	0.1	0.2	2.9	0.2	0.2	0.2	0.6	0.03	12
S 1457	70.5	9.4	12.8	65.4	21.9	0.3	4.2	0.8	0.2	4.2	0.6	0.2	0.2	0.2	0.03	1
S 1458	197.5	16.1	7.8	64.8	10.1	0.7	3.6	0.4	0.2	42.5	0.2	0.2	0.2	0.3	0.03	2
SM 1459	122.6	8.6	9.0	14.2	3.4	0.6	1.7	1.9	0.2	7.0	0.5	0.6	1.9	0.2	0.03	*
S 1460	446.5	9.4	5.3	14.5	15.6	0.9	8.1	1.8	0.2	78.6	1.7	0.2	4.9	0.2	0.03	*
S 1461	78.9	21.3	6.3	54.5	12.1	0.5	2.0	0.3	0.2	38.3	0.2	0.2	0.2	0.3	0.03	12
S 1462	37.2	15.4	5.9	45.1	9.1	0.2	1.4	0.3	0.2	8.2	0.3	0.2	0.2	0.4	0.03	11
S 1463	1,145.0	16.4	13.2	57.5	25.5	3.0	7.3	1.4	0.2	347.4	0.6	0.2	1.8	0.2	0.03	52
S 1464	32.2	14.3	6.1	179.5	8.5	0.5	1.2	0.4	0.2	7.9	0.2	0.2	0.2	0.6	0.03	8
S 1465	47.1	19.2	7.4	53.3	10.4	0.4	1.4	0.2	0.2	38.9	0.2	2.4	0.2	0.6	0.03	14
S 1466	47.5	18.4	6.2	50.9	11.5	0.2	1.6	0.2	0.2	12.2	0.2	0.2	0.2	0.2	0.03	9
S 1467	95.5	15.9	6.9	56.3	10.0	0.6	1.4	0.2	0.2	60.9	0.3	0.2	0.2	0.2	0.03	16
SM 1468	77.8	14.6	8.1	72.8	17.1	0.7	1.9	0.3	0.2	43.9	0.2	0.2	0.2	0.2	0.03	22
S 1469	34.2	28.0	6.6	100.8	17.2	0.4	1.6	0.3	2.5	7.8	0.6	0.7	0.6	0.5	0.03	*
S 1470	57.7	23.5	7.7	64.2	40.1	1.5	1.4	0.3	0.2	26.0	0.2	0.2	0.2	0.3	0.06	7
S 1471	65.7	16.4	6.6	55.3	10.7	0.4	2.3	0.4	13.2	230.9	0.4	0.2	0.2	0.2	0.03	69
S 1472	40.7	15.1	8.7	50.7	16.9	0.3	1.7	0.3	1.8	15.1	0.6	0.2	0.2	1.7	0.10	9
S 1473	61.5	25.8	7.2	69.3	9.4	0.2	2.5	0.3	0.2	14.8	0.2	0.2	0.2	2.2	0.07	9
SM 1474	64.6	28.9	7.6	51.1	9.0	0.3	1.9	0.3	0.2	7.3	0.8	0.2	0.2	2.6	0.04	7
S 1475	25.2	16.7	8.5	46.3	6.1	0.2	1.3	0.2	0.2	11.7	1.4	0.2	0.4	1.5	0.03	9
S 1476	27.0	11.5	9.5	45.8	7.1	0.3	1.2	0.4	0.2	7.2	0.2	0.2	0.2	2.2	0.03	7
S 1477	80.7	11.8	9.9	55.4	13.1	0.2	1.7	0.4	0.2	6.7	0.2	0.2	0.2	2.0	0.03	6
S 1478	24.8	7.7	9.0	42.9	6.5	0.3	2.0	0.2	0.2	10.4	0.5	0.2	0.2	2.2	0.03	10
S 1479	54.5	18.3	7.4	56.9	9.8	0.2	2.7	0.3	0.2	4.3	0.3	0.2	0.2	2.6	0.03	9
S 1480	35.6	14.9	10.9	48.6	6.6	0.3	2.8	0.2	0.2	9.2	0.4	0.2	0.2	2.1	0.03	9
S 1481	161.2	23.6	13.8	85.9	20.3	1.4	8.6	1.6	0.2	7.5	0.4	0.2	0.2	0.2	0.03	7
S 1482	168.6	18.8	9.6	58.9	11.3	0.4	1.8	0.5	0.2	5.8	0.2	0.2	0.2	0.2	0.09	6
SM 1483	563.0	9.2	8.3	71.8	13.6	0.5	4.3	1.2	0.2	48.4	0.3	0.2	0.2	0.2	0.03	13
S 1484	43.9	16.3	10.1	43.8	7.1	0.2	1.5	0.2	0.2	54.2	0.3	0.2	0.2	0.2	0.04	80
S 1485	18.2	7.7	6.7	33.3	3.6	0.1	0.6	0.1	0.2	7.5	0.5	0.2	0.2	0.2	0.03	14
S 1486	10.6	4.5	8.2	15.9	2.5	0.1	0.7	0.2	0.2	2.8	0.2	0.2	0.2	0.2	0.05	11
S 1487	84.6	21.7	6.3	48.4	7.4	0.2	1.5	0.8	0.2	2.8	0.2	0.2	0.2	0.2	0.03	7
S 1488	36.6	18.1	6.6	39.6	6.8	0.3	1.9	0.7	3.2	8.7	1.4	0.2	0.2	0.2	0.10	1
S 1489	14.9	5.8	7.5	21.0	3.1	0.2	1.0	0.2	1.9	3.3	0.7	0.2	0.2	0.6	0.10	6
S 1490	15,800.0	28.9	13.7	164.1	146.2	0.8	2.0	2.6	0.2	120.9	0.2	0.2	0.2	1.3	0.13	49

EAGLE	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb
S 1491	238.8	25.9	7.1	67.9	18.5	0.7	3.2	0.2	4.1	59.4	0.4	0.2	0.2	0.2	0.03	47
S 1492	41.5	15.4	8.4	38.3	8.7	0.3	1.4	0.1	1.5	5.1	0.2	0.2	0.2	0.2	0.03	12
S 1493	65.3	16.7	8.2	49.3	10.3	0.7	1.9	0.2	0.2	31.0	0.3	0.2	0.2	0.2	0.03	9
SM 1494	84.9	20.3	7.7	66.5	14.7	0.6	4.2	0.1	0.2	47.7	0.2	0.2	0.2	0.2	0.03	7
S 1495	276.5	25.0	6.3	35.9	14.0	1.1	2.3	0.3	0.2	76.6	0.2	0.2	0.2	0.2	0.03	10
S 1496	282.1	29.6	7.6	43.6	15.9	0.5	2.1	0.2	0.2	33.6	0.9	0.2	0.2	0.2	0.03	17
S 1497	119.4	24.4	6.8	59.3	16.9	0.8	3.9	0.6	0.2	38.5	0.9	0.2	0.2	0.2	0.03	8
S 1498	45.6	15.6	8.2	39.8	9.0	0.3	1.7	0.2	0.2	11.0	0.9	0.2	0.2	0.2	0.03	4
S 1499	107.2	23.4	7.6	57.9	23.7	1.3	1.7	0.5	0.2	120.9	0.6	0.2	0.2	0.2	0.03	20
S 1500	102.7	21.9	8.1	51.5	16.3	1.1	2.7	0.2	0.2	60.5	0.3	0.2	0.2	0.2	0.03	9
S 1501	234.7	21.3	7.5	66.0	14.9	1.9	4.8	1.0	0.2	92.7	0.5	0.2	0.8	0.2	0.03	14
S 1502	31.6	16.3	9.2	101.6	16.3	1.6	1.8	0.1	0.2	4.4	0.2	0.2	0.2	0.2	0.03	14
SM 1503	29.6	16.0	7.5	99.1	17.2	0.4	1.2	0.1	0.2	3.5	0.7	0.2	0.2	0.2	0.03	18
S 1504	30.0	11.8	8.7	44.3	6.3	0.3	1.2	0.1	0.2	5.6	0.2	0.2	0.2	0.2	0.03	12
S 1505	571.4	34.5	12.9	89.3	25.9	1.6	2.6	1.7	0.2	7.4	1.4	0.2	0.9	0.2	0.03	13
S 1506	53.0	15.7	8.5	46.1	6.6	0.4	1.4	0.1	0.2	6.7	0.2	0.2	0.2	0.2	0.03	11
S 1507	258.4	29.9	11.2	72.3	20.2	0.3	1.9	0.3	0.2	6.1	0.2	0.2	0.2	0.2	0.03	10
S 1508	29.4	19.3	7.8	165.4	14.5	0.6	1.2	0.1	0.2	9.5	1.0	0.4	0.2	0.2	0.03	7
S 1509	29.9	18.4	6.5	232.9	23.5	0.6	1.7	0.1	0.2	13.6	0.2	0.2	0.2	0.2	0.03	11
S 1510	29.2	23.9	7.4	67.3	8.9	0.6	1.4	0.2	5.8	7.4	0.7	0.5	0.4	0.6	0.03	*
S 1511	35.1	20.1	39.9	187.3	10.9	1.7	1.9	0.2	0.2	19.2	0.2	0.2	0.2	0.2	0.06	6
S 1512	33.3	16.4	29.0	131.0	8.6	1.3	1.8	0.8	0.2	83.2	1.6	0.2	0.2	0.2	0.03	10
SM 1513	21.1	15.2	49.6	178.9	6.9	2.1	1.9	0.4	0.2	40.6	0.9	0.2	0.2	0.2	0.03	14
S 1514	123.1	47.2	164.8	969.2	24.1	29.7	4.2	8.2	0.2	68.9	1.5	0.2	0.2	0.2	0.03	7
S 1515	34.5	25.5	51.8	236.6	8.8	2.4	2.1	7.5	0.2	72.6	2.8	0.2	0.2	0.2	0.03	32
S 1516	16.7	15.5	87.4	350.5	7.9	6.0	1.5	1.4	0.2	56.5	1.5	0.2	0.2	0.2	0.03	2
S 1517	54.5	27.9	75.9	516.8	16.3	4.2	2.2	0.5	0.2	412.5	1.6	0.2	0.2	0.2	0.03	12
S 1518	50.8	31.2	50.3	188.7	12.8	1.4	2.0	0.5	0.2	235.4	2.7	0.2	0.2	0.2	0.03	5
S 1519	34.8	19.0	36.7	141.1	9.0	1.2	1.7	0.3	0.2	69.4	0.9	0.2	0.2	0.2	0.03	4
S 1520	29.7	21.7	133.0	231.1	11.4	2.3	1.6	0.8	0.2	62.1	0.5	0.2	0.2	0.2	0.03	2
S 1521	68.4	27.8	40.3	209.5	11.2	1.6	1.3	0.3	0.2	155.7	1.4	0.2	0.2	0.2	0.03	9
S 1522	38.9	23.7	61.1	239.4	10.3	1.9	1.6	0.9	0.2	80.0	1.0	0.2	0.2	0.2	0.03	5
S 1523	30.7	15.2	164.7	323.4	10.5	4.8	1.3	0.9	0.2	100.6	1.7	0.2	0.2	0.2	0.03	22
S 1524	32.6	20.3	55.1	294.9	13.9	2.4	1.1	0.5	0.2	330.8	1.6	0.2	0.2	0.2	0.03	13
S 1525	73.0	36.2	26.9	152.0	15.8	1.1	1.9	0.3	0.2	54.4	0.9	0.3	0.2	0.2	0.03	3
S 1526	15.0	13.1	27.4	85.9	5.3	1.0	0.7	0.1	0.2	60.9	2.0	0.2	0.2	0.2	0.03	4
S 1527	20.5	14.0	55.1	173.4	12.4	1.6	1.0	1.1	0.2	36.6	0.3	0.2	0.2	0.2	0.03	12
S 1528	78.1	28.4	31.9	168.1	12.3	1.5	1.4	1.3	0.2	38.0	0.7	0.2	0.2	0.2	0.03	10
S 1529	39.0	15.8	59.6	232.7	14.2	4.6	2.4	0.8	2.5	54.6	0.9	0.5	0.2	0.2	0.06	8
S 1530	56.5	24.8	49.4	755.7	23.4	7.3	2.9	1.2	0.2	58.4	0.9	0.2	0.2	0.2	0.08	10
S 1531	26.4	18.5	33.1	119.2	12.3	1.2	1.4	0.2	0.2	42.0	0.4	0.5	0.2	0.2	0.03	3
S 1532	647.5	55.5	41.7	159.9	16.2	6.6	3.3	0.8	0.2	71.9	0.3	0.2	1.1	0.2	0.05	20
S 1533	18.3	14.0	33.7	162.8	9.0	1.7	1.1	0.8	0.2	59.0	0.4	0.6	0.2	0.2	0.04	6
S 1534	29.5	16.4	44.5	131.9	8.2	1.1	1.5	0.3	0.2	57.6	1.2	0.2	0.2	0.2	0.04	10
S 1535	10.2	7.4	20.9	80.6	3.5	1.4	0.7	0.1	0.2	7.9	0.7	0.2	0.2	0.2	0.03	10
S 1536	7.3	8.8	3.8	18.9	2.7	0.1	0.7	0.1	1.0	3.1	0.2	0.2	0.2	0.2	0.03	34
SM 1537	16.9	35.8	5.1	47.8	8.8	0.3	1.6	0.1	0.2	7.9	0.2	0.2	0.2	0.2	0.03	2
S 1538	6.6	8.3	4.2	20.0	2.9	0.2	0.7	0.1	0.9	1.1	0.2	0.3	0.2	0.3	0.04	5
S 1539	7.9	12.9	5.0	25.1	3.5	0.3	0.7	0.1	1.0	2.8	0.2	0.2	0.2	0.2	0.03	2
S 1540	23.5	15.6	5.1	25.1	3.8	0.2	0.8	0.1	0.2	3.2	0.2	0.2	0.2	0.2	0.03	2
S 1541	6.3	8.8	3.5	18.6	2.4	0.2	0.6	0.1	0.4	1.8	0.2	0.3	0.2	0.3	0.03	4
S 1542	7.8	8.9	4.4	19.4	2.9	0.1	0.4	0.1	0.5	2.2	0.3	0.2	0.2	0.2	0.03	4

EAGLE	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb
S 1543	14.9	18.2	4.7	42.2	6.0	0.2	1.0	0.1	0.2	5.2	0.3	0.2	0.2	0.2	0.03	7
S 1544	19.0	22.7	5.6	46.4	7.7	0.3	1.3	0.1	0.2	6.6	0.2	0.2	0.2	0.2	0.03	2
S 1545	49.5	55.1	9.3	91.2	16.2	0.3	2.0	0.1	0.2	7.0	0.2	0.2	0.2	0.2	0.03	1
SM 1546	7.2	4.6	7.0	31.2	3.0	0.3	0.4	0.9	0.5	0.3	0.2	0.6	0.2	0.2	0.04	2
S 1547	47.4	33.7	6.6	53.1	8.1	0.3	1.8	0.1	0.2	9.0	0.7	0.3	0.2	0.2	0.03	3
S 1548	12.8	12.4	6.8	38.9	4.3	0.3	1.5	0.1	6.7	7.0	0.5	0.7	0.4	0.6	0.03	*
S 1549	17.4	19.2	8.9	65.8	6.7	0.5	1.6	0.1	2.6	5.0	0.2	0.2	0.2	0.2	0.03	3
S 1550	84.4	34.8	10.7	141.2	13.5	0.6	1.2	0.1	0.2	13.9	0.2	0.3	0.2	0.2	0.03	6
S 1551	14.2	25.6	4.1	46.6	8.3	0.2	0.9	0.1	0.9	10.6	0.6	0.2	0.2	0.2	0.03	2
S 1552	82.9	39.3	7.5	50.8	13.6	0.6	1.0	0.1	0.2	3.5	0.9	0.2	0.2	0.2	0.03	3
S 1553	30.9	23.0	11.3	125.2	12.0	0.9	1.9	0.3	0.2	8.1	0.2	0.2	0.5	0.2	0.03	16
S 1554	78.9	12.2	3.3	16.0	7.1	0.4	1.0	1.0	1.5	20.7	0.2	0.2	0.2	0.2	0.03	1
SM 1555	59.5	6.1	4.0	14.3	3.1	0.5	0.6	0.3	1.4	2.4	0.2	1.3	2.0	0.2	0.03	12
S 1556	11.8	3.7	6.6	33.9	5.6	0.2	0.5	0.1	0.4	2.6	0.2	1.0	2.1	0.9	0.03	8
S 1557	15.0	18.7	5.7	41.8	5.9	0.2	1.8	0.1	0.2	1.2	0.2	0.2	0.2	0.2	0.03	4
S 1558	7.3	7.2	4.8	22.7	2.3	0.2	0.4	0.1	0.9	4.1	0.2	0.2	0.2	0.2	0.03	9
S 1559	15.9	14.0	9.4	27.7	5.5	0.3	0.8	0.1	0.8	2.6	0.2	0.2	0.2	0.2	0.03	5
S 1560	28.8	19.6	4.2	41.0	6.3	0.2	1.2	0.1	0.4	2.6	0.2	0.2	0.2	0.2	0.03	4
S 1561	25.7	16.7	5.3	56.9	9.3	0.3	1.3	0.1	0.4	3.1	0.2	0.2	0.2	0.2	0.03	36
S 1562	16.4	12.3	4.8	38.4	5.0	0.2	0.9	0.1	0.2	4.2	0.4	0.4	0.2	0.2	0.03	28
S 1563	633.5	16.0	4.8	123.9	26.1	0.2	2.9	1.5	0.2	3.5	0.2	0.3	0.2	0.2	0.03	1
SM 1564	41.8	10.9	7.2	114.7	21.8	0.7	1.3	0.1	0.2	7.4	1.0	0.2	0.3	0.2	0.05	3
S 1565	87.4	66.1	9.6	109.0	15.2	1.8	2.1	0.6	0.2	3.3	0.3	0.2	0.2	0.2	0.03	18
S 1566	64.5	33.0	9.9	49.6	28.8	1.6	3.8	1.1	0.4	4.5	0.4	0.3	0.3	0.2	0.03	20
S 1567	124.4	38.6	3.4	59.5	5.0	2.4	1.8	0.8	5.6	2.9	0.2	1.2	1.3	0.2	0.03	4
S 1568	334.3	9.1	5.7	149.9	23.2	0.2	1.8	0.7	0.2	3.2	0.2	0.2	0.2	0.2	12.17	1
S 1569	18.6	4.1	9.1	45.4	3.6	0.5	0.8	0.1	0.2	1.3	0.4	0.2	0.2	0.4	0.20	2
S 1570	30.1	45.6	5.7	100.3	21.4	0.5	1.7	0.3	0.2	8.8	0.2	0.2	0.2	0.2	0.14	1
S 1571	8.4	14.9	4.5	46.4	5.6	0.4	0.7	0.1	0.2	3.5	0.2	0.2	0.2	0.4	0.03	1
S 1572	96.7	46.2	9.9	78.1	11.9	0.6	1.8	0.1	3.8	16.8	0.9	0.2	0.2	0.2	0.25	5
SM 1573	8.9	10.7	5.4	32.6	3.3	0.2	1.2	0.1	2.4	6.4	1.2	0.2	0.2	0.5	0.23	7
S 1574	10.9	4.2	5.7	27.8	3.3	0.3	1.4	0.1	1.0	1.9	0.4	0.2	0.2	0.2	0.06	1
S 1575	13.8	11.5	12.7	56.3	4.6	0.2	1.3	0.1	0.2	7.1	0.5	0.2	0.2	0.4	0.10	1
S 1576	6.5	6.7	7.6	32.7	2.7	0.2	1.0	0.1	0.3	3.2	0.7	0.2	0.2	0.3	0.10	57
S 1577	36.4	13.3	11.2	88.1	6.6	1.6	1.5	0.4	0.2	8.7	0.2	0.2	0.2	0.2	0.12	1
S 1578	104.3	54.1	11.9	90.0	11.8	0.6	1.9	0.1	0.2	27.6	0.2	0.2	0.2	0.2	0.06	3
S 1579	10.2	6.8	8.8	35.3	3.7	0.3	1.3	0.1	0.2	6.0	0.2	0.2	0.2	0.2	0.03	1
S 1580	13.6	6.8	6.4	40.7	5.3	0.3	1.3	0.1	0.2	2.9	0.7	0.2	0.2	0.2	0.09	1
S 1581	3.7	4.5	3.9	15.1	1.4	0.1	0.6	0.1	0.2	1.8	0.4	0.2	0.2	0.4	0.14	1
SM 1582	25.2	24.8	9.4	143.8	8.9	0.5	2.0	0.1	0.2	11.2	1.1	0.2	0.2	0.3	0.09	2
S 1583	7.4	8.8	4.2	32.8	2.4	0.2	1.0	0.1	0.2	3.2	0.4	0.2	0.2	0.2	0.09	28
S 1584	41.9	17.8	2.8	11.2	3.0	0.7	2.0	0.2	1.5	2.2	0.2	1.6	0.6	0.2	0.03	*
S 1585	55.1	35.9	4.3	29.6	4.9	0.8	1.0	0.3	0.2	3.6	0.2	0.5	0.2	0.2	0.03	1
S 1586	39.9	21.8	4.0	25.4	5.5	0.4	1.5	0.1	0.2	2.9	0.2	0.4	0.5	0.2	0.03	1
S 1587	6.6	6.5	8.9	50.3	3.3	0.4	0.9	0.1	0.2	1.7	0.5	0.2	0.2	0.5	0.03	4
S 1588	18.6	30.7	7.8	66.5	7.7	0.4	1.1	0.1	0.2	11.9	0.5	0.2	0.2	0.6	0.03	1
S 1589	34.7	22.1	15.4	135.4	12.2	0.6	1.8	0.1	0.2	8.6	0.2	0.2	0.2	0.2	0.03	4
S 1590	33.8	55.9	5.7	81.5	15.7	0.2	1.9	0.1	0.2	6.3	1.0	0.2	0.2	0.2	0.03	1
SM 1591	9.2	17.7	3.8	33.2	4.6	0.1	1.0	0.1	5.8	2.6	0.8	0.2	0.2	0.3	0.09	1
S 1592	15.9	31.9	6.0	56.9	12.6	0.2	1.2	0.1	1.5	6.1	0.6	0.2	0.2	0.2	0.19	1
S 1593	8.6	20.6	3.1	36.1	4.5	0.1	0.9	0.1	1.8	2.7	0.5	0.2	0.2	0.2	0.12	1
S 1594	18.9	32.7	4.4	51.6	7.9	0.2	0.9	0.1	0.2	4.0	0.9	0.2	0.2	0.4	0.05	2

EAGLE	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb
S 1595	7.8	18.1	5.2	37.4	4.3	0.2	0.9	0.1	0.2	3.4	0.7	0.2	0.2	0.2	0.06	8
S 1596	7.3	17.5	3.6	34.8	4.3	0.2	0.7	0.1	0.4	3.1	0.7	0.2	0.2	0.2	0.03	5
S 1597	12.7	23.5	4.5	40.7	5.8	0.1	0.9	0.1	0.2	2.7	0.4	0.2	0.2	0.2	0.03	2
S 1598	9.4	19.9	3.6	38.3	5.3	0.1	0.8	0.1	0.2	3.1	0.6	0.2	0.2	0.3	0.03	1
S 1599	22.8	13.2	9.0	70.0	10.3	0.2	0.6	0.1	0.2	1.3	0.3	0.2	0.2	0.6	0.04	14
SM 1600	22.9	12.7	8.7	67.9	9.9	0.1	0.8	0.1	0.2	2.1	0.2	0.2	0.2	0.2	0.03	1
S 1601	46.8	19.8	17.9	126.7	12.8	0.4	2.3	0.1	0.2	8.2	0.2	0.2	0.2	0.2	0.03	1
S 1602	43.2	11.3	13.7	56.8	8.8	0.4	1.4	0.1	0.2	4.6	0.3	0.2	0.2	0.2	0.03	3
S 1603	16.0	15.8	7.8	42.3	4.6	0.1	1.5	0.1	0.2	5.6	0.9	0.2	0.2	0.4	0.03	3
S 1604	10.7	13.2	8.0	39.6	5.7	0.2	0.9	0.1	0.2	5.2	0.5	0.2	0.2	0.4	0.16	6
S 1605	301.1	14.2	5.5	123.8	31.2	0.1	2.4	0.1	0.2	6.5	0.2	0.2	0.2	0.2	0.03	2
S 1606	31.9	6.3	10.5	68.2	11.1	0.2	1.0	1.1	0.2	1.6	0.2	0.2	0.2	0.4	0.03	3
S 1607	60.0	4.9	9.7	57.3	9.7	0.4	0.9	0.3	0.2	2.8	0.2	0.2	0.2	0.5	0.03	5
S 1608	70.0	7.1	5.0	39.9	8.3	0.1	2.7	0.5	0.2	4.8	0.3	0.2	0.2	0.2	0.06	22
SM 1609	49.0	7.4	9.1	60.0	12.1	0.2	2.2	0.2	0.2	2.3	0.2	0.2	0.2	0.2	0.22	2
S 1610	309.6	13.8	6.4	43.8	8.9	0.6	5.5	0.3	1.0	6.8	1.8	0.2	1.6	0.2	0.10	5
S 1611	182.1	7.9	5.0	41.4	11.3	0.4	7.2	0.5	0.2	4.3	0.4	0.2	1.0	0.2	0.05	6
S 1612	9.7	3.9	4.5	38.2	5.0	0.1	1.4	0.1	0.2	1.3	0.2	0.2	0.2	0.2	0.03	1
S 1613	11.4	4.0	5.7	45.0	7.8	0.2	1.9	0.1	0.2	3.3	0.5	0.2	0.2	0.6	0.03	1
S 1614	135.9	5.9	6.9	37.8	13.9	0.2	4.0	0.2	0.2	5.1	0.4	0.2	0.8	0.2	0.03	1
S 1615	485.7	9.5	5.3	48.2	7.0	0.9	4.1	1.2	0.2	4.0	0.6	0.2	1.8	0.2	0.08	4
S 1616	204.3	6.9	6.9	31.1	8.2	0.3	4.6	0.1	0.2	3.2	1.3	0.2	0.5	0.2	0.03	2
S 1617	10.4	11.9	4.4	23.6	3.8	0.1	1.4	0.1	0.2	4.2	0.2	0.2	0.2	0.2	0.03	1
SM 1618	90.9	28.8	9.2	67.7	24.9	0.2	3.9	0.1	0.2	7.6	0.7	0.2	0.2	0.3	0.03	3
S 1619	77.2	14.4	10.5	60.7	20.5	0.3	4.7	0.2	0.2	9.2	0.2	0.2	0.2	0.3	0.03	12
S 1620	3,650.0	15.5	9.5	37.3	78.6	1.4	5.3	2.7	0.2	5.3	0.2	0.2	2.4	0.2	0.07	6
S 1621	1,001.7	40.0	15.3	108.4	81.8	1.3	9.2	1.2	0.2	6.3	0.2	0.2	0.5	0.3	0.05	2
S 1622	15.8	22.3	5.3	33.0	6.2	0.1	1.5	0.1	0.2	7.1	0.3	0.2	0.2	0.3	0.03	5
S 1623	58.0	26.8	7.0	42.6	13.4	0.2	1.9	0.1	0.2	4.8	0.2	0.2	0.2	0.4	0.03	43
S 1624	20.1	18.5	4.7	37.9	7.5	0.1	1.4	0.1	0.2	4.6	0.2	0.2	0.2	0.5	0.03	3
S 1625	132.9	10.1	14.0	83.9	34.8	0.2	10.0	0.3	0.2	6.3	0.2	0.2	0.2	0.7	0.03	10
S 1626	28.1	4.5	6.2	47.6	10.2	0.1	1.3	0.1	0.2	1.6	0.2	0.2	0.2	0.2	0.03	8
SM 1627	245.8	13.0	16.0	114.9	99.4	0.3	3.3	0.4	0.2	2.7	0.5	0.2	0.2	0.2	0.03	20
S 1628	349.4	17.7	13.3	74.3	33.4	0.5	3.8	0.1	0.2	5.8	0.3	0.2	0.2	0.2	0.03	20
S 1629	1,330.2	20.7	20.4	45.5	132.1	1.7	8.4	1.5	1.3	4.7	0.2	0.2	1.7	0.2	0.10	6
S 1630	753.3	22.5	21.5	83.2	43.6	1.1	8.4	0.5	0.2	6.2	0.2	0.2	1.1	0.2	0.12	14
S 1631	10.5	1.6	8.3	15.3	1.6	0.1	0.5	0.1	2.0	0.6	0.2	0.2	0.4	0.3	0.06	14
S 1632	19.3	6.7	7.2	49.2	10.4	0.3	1.9	0.1	0.2	2.9	0.2	0.2	0.2	0.4	0.03	8
S 1633	37.8	5.6	8.1	40.8	16.7	0.2	2.4	0.1	0.2	4.1	0.2	0.6	0.2	0.2	0.03	6
S 1634	332.5	16.7	11.5	67.2	39.0	1.0	5.7	0.1	0.2	13.4	0.2	0.2	0.2	0.4	0.03	4
S 1635	261.1	8.3	6.1	87.6	21.1	0.1	2.6	0.3	0.2	13.8	0.2	0.2	0.2	0.2	0.03	6
SM 1636	345.8	6.6	11.5	63.0	16.7	0.3	4.8	0.4	0.2	10.1	0.2	0.2	0.2	0.2	0.03	68
S 1637	121.2	4.6	10.8	54.4	13.0	0.3	2.3	0.4	0.2	8.0	0.2	0.2	0.2	0.2	0.03	20
S 1638	541.0	10.7	14.2	91.0	17.6	1.0	2.9	0.7	0.2	18.9	0.5	0.2	0.2	0.2	0.03	34
S 1639	1,610.0	7.5	23.3	99.4	34.0	0.5	6.3	0.4	0.2	46.9	0.2	0.2	0.2	0.2	0.03	8
S 1640	251.7	6.2	12.4	68.5	15.2	0.4	4.1	0.2	0.2	55.0	0.2	0.2	0.2	0.2	0.03	11
S 1641	1,480.0	12.7	8.0	90.4	32.4	0.1	1.7	0.6	0.2	10.0	0.2	0.2	0.2	0.2	0.03	6
S 1642	133.1	5.2	8.2	71.5	11.7	0.3	3.2	0.1	0.2	5.3	0.2	0.2	0.2	0.2	0.03	6
S 1643	165.9	7.8	9.9	80.8	14.9	1.1	2.1	0.8	0.2	2.8	0.2	0.2	0.3	0.2	0.03	2
S 1644	52.4	10.8	8.9	56.6	10.7	0.1	2.9	0.2	0.2	5.0	1.8	0.2	0.9	0.2	0.03	1
SM 1645	790.0	7.5	9.6	61.7	18.3	0.2	2.7	1.3	0.2	2.6	2.0	0.2	0.2	0.2	0.03	12
S 1646	240.8	5.3	3.8	31.7	10.6	0.2	1.8	0.6	0.2	4.0	1.3	0.2	0.2	0.2	0.03	16

EAGLE	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb	
S 1647	337.1	7.5	6.5	53.2	11.8	0.2	1.8	0.8	0.2	2.8	0.8	0.2	0.7	0.2	0.03	18	
S 1648	714.0	9.1	5.2	53.7	16.3	0.3	4.0	2.2	0.2	4.6	3.4	0.2	2.4	0.2	0.03	9	
S 1649	174.1	8.2	4.4	81.0	22.7	0.6	2.1	1.0	0.2	2.3	1.3	0.2	1.3	0.2	0.03	8	
S 1650	20.8	36.0	3.8	40.6	8.5	0.3	1.1	0.2	0.2	5.1	0.2	0.2	0.2	0.2	0.03	3	
S 1651	85.0	10.1	3.5	53.8	13.1	0.1	3.7	0.1	0.2	5.8	3.2	0.2	1.5	0.2	0.03	12	
S 1652	527.0	7.0	7.1	72.2	8.6	0.1	4.8	0.1	0.2	5.3	2.8	0.2	2.1	0.2	0.05	12	
S 1653	154.4	11.6	32.7	109.0	13.2	0.5	3.2	0.4	0.2	33.6	1.4	0.2	0.2	0.2	0.03	16	
SM 1654	197.7	14.3	4.6	62.4	11.0	0.1	1.9	0.8	0.2	6.0	0.8	0.2	0.2	0.2	0.03	10	
S 1655	9.0	10.2	3.2	21.3	2.3	0.2	0.6	0.1	0.2	2.8	0.2	0.2	0.2	0.2	0.03	1	
S 1656	7.5	11.0	2.8	23.2	3.2	0.2	0.6	0.1	0.2	2.6	0.2	0.2	0.2	0.2	0.03	5	
S 1657	21.9	23.8	3.9	43.5	5.5	0.2	1.2	0.1	0.2	4.8	0.3	0.2	0.2	0.2	0.03	5	
S 1658	72.8	50.6	9.1	80.6	9.2	0.4	1.7	0.6	0.2	24.6	0.5	0.2	0.2	0.2	0.03	6	
S 1659	284.8	8.3	5.5	77.4	19.3	0.1	2.2	0.1	0.2	3.5	0.7	0.2	0.5	0.2	0.03	19	
S 1660	101.0	8.1	6.8	261.6	13.8	0.6	1.3	0.4	0.2	1.6	0.4	0.2	0.2	0.2	0.03	280	**
S 1661	20.5	9.9	5.2	10.0	1.9	0.5	0.5	0.3	0.2	1.7	0.2	0.6	1.2	0.4	0.03		*
S 1662	26.5	11.9	56.5	467.4	7.9	7.2	2.4	2.5	0.2	311.4	1.2	0.9	0.2	0.2	0.03	1	
S 1663	11.1	9.8	64.0	229.0	4.7	2.8	0.9	1.3	0.2	60.9	0.2	0.5	0.2	0.2	0.03	3	
SM 1664	8.9	10.8	23.7	52.0	2.7	1.2	1.2	0.3	0.2	29.8	0.2	0.2	0.2	0.2	0.03	6	
S 1665	11.2	12.9	16.4	79.1	3.8	1.1	1.3	0.3	0.2	23.6	0.3	0.2	0.2	0.2	0.03	3	
S 1666	9.1	8.2	8.7	41.4	2.7	0.5	1.2	0.2	0.2	14.1	0.2	0.2	0.2	0.2	0.03	1	
S 1667	82.1	44.3	18.3	2,990.0	10.8	32.5	1.3	2.7	4.3	100.4	1.2	0.5	0.6	0.3	0.03	8	
S 1668	16.3	20.9	11.5	160.4	6.0	2.3	1.9	1.2	0.2	25.1	0.3	0.2	0.2	0.2	0.03	9	
S 1669	10.0	13.2	21.5	87.4	4.3	1.9	1.3	0.3	0.2	27.1	0.3	0.2	0.2	0.2	0.03	7	
S 1670	36.1	21.4	416.8	535.1	9.9	6.7	1.9	2.5	0.2	214.5	0.8	0.3	0.2	0.2	0.03	18	
S 1671	87.9	26.2	25.2	1,340.0	21.9	7.9	2.9	0.4	0.2	401.5	0.2	0.8	0.2	0.2	0.03	16	
S 1672	44.4	5.3	29.7	329.8	3.1	13.4	0.4	1.8	0.2	27.8	0.7	2.2	3.2	0.6	0.03	24	
S 1673	46.9	40.2	45.9	486.0	10.4	27.5	2.4	3.9	1.4	81.1	0.6	1.0	1.8	0.4	0.03	22	
S 1674	11.9	14.0	83.6	159.1	5.3	1.5	1.6	1.6	0.5	123.9	0.3	0.4	0.2	0.2	0.03	24	
S 1675	12.2	16.6	31.9	123.5	7.5	1.7	1.6	0.9	0.2	38.4	0.2	0.3	0.2	0.2	0.03	20	
S 1676	3.8	7.1	14.7	26.0	1.6	0.3	1.1	0.1	0.2	16.9	0.2	0.3	0.2	0.2	0.03	5	
S 1677	10.1	11.2	9.6	50.9	3.0	0.6	1.6	0.2	0.2	20.8	0.2	0.3	0.6	0.2	0.03	2	
S 1678	7.0	11.5	29.5	38.4	2.7	0.8	0.7	0.4	0.2	14.9	0.2	0.2	0.2	0.2	0.05	1	
S 1679	14.0	28.6	10.3	77.4	7.8	1.5	1.5	0.5	0.2	17.5	0.4	0.2	0.2	0.2	0.06	2	
S 1680	16.6	18.4	24.5	190.5	8.8	2.0	1.7	0.2	0.2	105.1	0.6	0.2	1.2	0.2	0.03	4	
S 1681	29.6	25.7	234.7	577.3	12.1	8.6	4.2	2.0	0.5	521.0	1.2	0.5	0.2	0.2	0.03	26	
S 1682	33.8	27.0	34.0	245.0	8.1	2.4	2.7	0.6	0.2	134.0	0.4	0.3	0.2	0.2	0.03	1	
S 1683	23.2	13.8	20.0	109.0	4.5	2.0	1.1	0.3	0.2	198.7	0.2	0.5	0.2	0.2	0.03	1	
S 1684	10.6	11.3	20.1	65.6	4.4	1.1	0.9	0.8	0.2	23.6	0.2	0.2	0.2	0.2	0.06	1	
S 1685	16.4	18.7	12.0	108.2	8.3	1.2	1.5	0.2	0.2	19.7	0.3	0.2	0.2	0.2	0.03	53	
S 1686	38.9	21.8	12.2	83.3	12.2	2.0	1.3	0.9	0.2	21.0	0.2	0.2	0.7	0.2	0.05	1	
S 1687	66.3	22.8	36.8	144.9	12.7	0.9	2.2	0.4	0.2	79.8	0.6	0.2	0.2	0.2	0.03	4	
SM 1688	33.0	6.8	29.3	112.0	6.1	2.6	1.6	0.5	0.2	32.2	0.6	0.3	1.8	0.2	0.06	1	
S 1689	48.9	18.3	72.1	153.8	11.4	1.4	1.9	0.4	0.2	108.1	0.5	0.2	0.2	0.2	0.03	2	
S 1690	56.6	32.0	61.6	1,344.0	17.6	7.8	3.3	0.7	1.4	68.9	0.4	0.5	0.2	0.4	0.03	1	
S 1691	29.7	14.1	27.4	88.1	5.9	1.1	1.1	0.5	0.2	38.4	0.2	0.2	0.2	0.2	0.03	1	
S 1692	37.3	12.4	63.2	181.4	6.3	2.3	1.7	0.3	0.6	66.7	0.2	0.2	0.4	0.2	0.05	8	
S 1693	144.3	25.6	44.7	249.1	22.8	1.5	2.9	0.6	0.2	131.5	0.6	0.2	0.2	0.2	0.06	4	
S 1694	41.2	13.4	71.0	97.9	9.4	1.2	2.1	0.5	0.2	54.7	0.2	0.2	0.5	0.2	0.04	3	
S 1696	90.4	31.9	9.8	60.9	12.9	0.5	2.6	0.2	0.2	8.4	0.2	0.3	0.2	0.2	0.14	6	
SM 1697	308.4	11.1	7.8	65.2	19.6	0.2	1.2	0.6	0.2	1.7	0.5	0.2	0.2	0.2	0.04	16	
S 1698	279.4	12.9	14.4	77.8	25.7	0.1	3.2	0.4	0.2	5.9	0.8	0.2	0.2	0.2	0.05	5	
S 1699	130.6	16.4	8.4	64.7	16.1	0.1	2.6	0.2	0.2	6.8	0.5	0.5	0.2	0.2	0.08	3	

EAGLE	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb
S 1700	362.7	12.8	10.3	70.0	21.2	0.2	3.6	0.7	0.2	2.3	0.6	0.2	0.2	0.2	0.06	15
S 1701	126.6	7.7	6.5	65.2	15.3	0.3	2.1	0.7	0.2	2.0	0.3	0.2	0.2	0.2	0.03	10
S 1702	131.2	6.0	7.1	55.5	17.0	0.3	0.6	0.5	0.2	1.0	0.2	0.2	0.2	0.2	0.03	10
S 1703	298.6	7.0	26.3	88.7	23.4	0.4	1.9	0.6	0.2	2.8	0.2	0.2	0.2	0.2	0.03	4
S 1704	193.0	13.7	7.1	63.3	19.1	0.3	2.4	0.4	0.2	4.4	0.4	0.2	0.2	0.2	0.04	1
S 1705	390.0	8.9	30.3	60.9	24.2	0.2	2.1	0.5	0.2	1.9	0.2	0.2	0.2	0.2	0.03	12
SM 1706	21.9	6.9	3.2	14.7	3.3	0.1	1.0	0.1	0.2	2.2	0.2	0.2	0.2	0.2	0.03	10
S 1707	104.9	9.6	3.9	62.6	18.7	0.1	1.7	0.3	0.2	2.3	0.2	0.2	0.2	0.2	0.09	14
S 1708	44.3	21.0	4.8	28.8	8.3	0.1	1.7	0.1	0.2	5.0	0.2	0.2	0.2	0.2	0.06	7
S 1709	494.6	14.1	7.5	79.4	23.8	0.2	4.1	0.6	0.2	2.4	0.4	0.2	0.2	0.2	0.03	15
S 1710	1,030.0	12.4	5.5	93.6	31.9	0.2	2.6	0.6	0.2	2.9	0.3	0.2	0.2	0.2	0.15	17
S 1711	617.1	11.7	6.5	85.1	27.6	0.3	2.5	0.6	0.2	3.0	1.5	0.2	0.5	0.2	0.11	9
S 1712	511.0	11.0	5.6	106.2	28.3	0.2	1.8	0.8	0.2	3.2	1.5	0.2	0.2	0.2	0.07	10
S 1713	129.5	9.8	6.1	69.6	23.2	0.2	1.7	1.2	0.2	2.0	1.6	0.2	0.2	0.4	0.16	16
S 1714	651.4	10.2	6.9	66.7	31.7	0.2	3.4	0.9	0.2	5.6	0.2	0.2	0.2	1.4	0.04	9
SM 1715	657.8	8.5	10.6	59.1	12.5	0.6	2.8	0.9	0.2	6.3	0.2	0.2	0.2	1.0	0.03	37
S 1716	2,190.0	22.2	12.2	85.0	23.9	1.8	2.3	2.2	0.2	5.0	0.2	0.2	0.2	0.6	0.13	6
S 1717	524.5	11.4	6.4	97.1	31.6	0.5	3.1	0.7	0.2	7.9	0.6	0.2	0.2	1.0	0.03	12
S 1718	434.1	13.0	7.4	182.1	36.5	1.1	1.9	1.7	0.2	4.1	0.2	0.2	0.2	0.6	0.03	7
S 1719	413.4	7.4	8.1	72.5	22.2	0.3	7.1	0.7	0.2	10.6	0.2	0.2	0.2	1.3	0.04	27
S 1720	544.7	9.9	4.2	86.2	27.9	0.4	3.3	1.1	0.2	4.6	2.6	0.2	0.6	0.2	0.03	5
S 1721	525.0	14.1	5.9	76.1	29.1	0.7	1.8	1.2	0.2	3.6	0.2	0.2	0.2	0.9	0.05	2
S 1722	636.0	11.3	10.4	70.6	16.9	1.9	2.3	1.6	0.2	4.9	0.2	0.2	0.6	0.2	0.06	8
S 1723	595.6	12.7	5.7	66.3	29.1	0.3	2.2	0.8	0.2	3.6	1.0	0.2	0.2	0.2	0.04	7
SM 1724	810.0	14.0	6.5	81.1	26.5	0.2	2.9	1.0	0.2	4.3	1.3	0.2	0.2	0.4	0.06	37
S 1725	562.3	14.1	5.1	70.3	25.9	0.2	2.7	0.7	0.2	3.3	3.3	0.2	0.2	0.2	0.03	3
S 1726	260.9	17.4	7.5	75.6	30.3	0.2	2.1	1.1	0.2	3.8	1.9	0.2	0.2	0.2	0.07	5
S 1727	29.9	5.3	8.6	34.2	16.6	0.2	5.0	0.3	0.2	3.6	0.7	0.8	0.2	1.5	0.03	1
S 1728	246.3	13.6	6.2	84.8	39.1	0.1	3.0	0.5	0.2	4.6	1.3	0.2	0.2	0.2	0.03	10
S 1729	231.3	13.1	7.5	83.2	33.2	0.4	4.0	0.5	0.2	4.0	0.5	0.2	0.2	0.2	0.03	8
S 1730	186.0	15.7	7.7	61.4	23.2	0.2	2.8	0.9	0.2	5.2	1.9	0.2	0.2	0.2	0.05	14
S 1731	396.0	23.1	9.5	57.1	22.4	0.2	2.6	0.5	0.2	7.7	2.2	0.2	0.6	0.2	0.03	29
S 1732	43.7	8.6	9.0	46.7	8.6	0.4	1.7	0.3	0.2	9.5	0.7	0.2	0.2	1.4	0.03	13
SM 1733	76.6	12.5	23.7	67.3	11.8	0.3	2.1	0.6	0.2	11.5	0.2	0.2	0.2	0.4	0.03	12
S 1734	17.7	7.3	34.3	54.7	5.5	0.4	2.8	0.3	0.2	6.6	0.2	0.2	0.2	0.4	0.03	3
S 1735	27.5	7.0	8.7	32.5	4.6	0.3	1.6	0.3	0.2	8.2	0.2	0.2	0.2	0.4	0.03	2
S 1736	57.1	10.8	13.9	61.6	9.6	0.7	1.9	0.9	0.2	25.2	0.7	0.2	0.2	0.9	0.03	8
S 1737	12.8	6.3	5.8	16.3	2.4	0.5	0.5	0.2	0.2	2.2	1.1	0.2	0.2	0.9	0.03	3
S 1738	18.8	5.7	14.3	37.7	4.9	0.4	1.3	0.3	0.2	11.8	0.4	0.2	0.2	0.6	0.03	4
S 1739	71.7	14.2	11.7	92.3	15.8	0.4	2.1	0.7	0.2	10.6	0.2	0.6	0.2	0.7	0.03	7
S 1740	133.0	11.9	12.2	102.7	11.0	0.8	16.0	0.5	0.2	9.6	0.2	0.2	0.2	0.5	0.03	8
S 1741	14.8	9.7	6.2	29.8	3.7	0.3	0.8	0.1	0.2	6.2	0.6	0.2	0.2	0.3	0.03	6
SM 1742	13.0	9.8	7.2	30.2	5.3	0.2	0.7	0.1	0.2	4.7	0.2	0.2	0.2	0.3	0.03	2
S 1743	12.7	8.0	6.9	20.1	3.0	0.1	0.6	0.1	0.2	2.9	0.9	0.2	0.2	0.4	0.03	1
S 1744	74.7	16.3	9.5	31.1	6.0	0.6	1.2	0.7	0.2	2.7	0.9	0.2	0.2	0.2	0.03	4
S 1745	53.0	7.5	9.4	48.7	5.6	0.4	1.2	0.3	0.2	6.1	0.5	0.2	0.2	0.2	0.03	4
S 1746	229.9	21.2	9.1	59.8	14.9	0.5	3.0	1.9	0.2	5.0	0.4	0.4	1.8	0.2	0.03	6
S 1747	31.1	17.6	8.5	57.0	8.2	0.3	1.6	0.3	0.2	9.2	0.6	0.2	0.2	0.2	0.03	9
S 1748	53.9	12.8	7.7	77.2	13.0	0.2	1.7	0.4	3.0	6.4	1.4	0.4	0.2	0.2	0.06	2
S 1749	17.3	12.5	7.2	43.4	6.7	0.3	0.9	0.2	1.4	3.4	0.8	0.3	0.2	0.6	0.03	2
S 1750	16.7	9.0	5.3	31.8	5.2	0.3	1.1	0.3	0.8	4.7	0.8	0.2	0.2	0.8	0.03	3
SM 1751	10.2	4.7	3.2	15.7	3.2	0.2	0.5	0.1	1.2	0.6	0.2	0.6	0.2	0.7	0.03	1

EAGLE	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb
S 1752	32.6	13.0	5.8	37.8	9.6	0.2	1.5	0.2	0.2	6.1	0.8	0.2	0.2	1.1	0.03	18
S 1753	413.0	29.3	15.5	76.0	20.9	0.7	6.0	1.5	0.2	12.9	2.8	0.2	1.7	0.2	0.04	3
S 1754	50.8	8.8	5.0	25.2	6.9	0.1	1.1	0.1	0.2	3.5	0.3	0.2	0.2	0.5	0.03	6
S 1755	72.5	5.5	9.5	21.5	8.9	0.1	1.3	0.1	0.2	2.0	0.3	0.2	0.2	0.7	0.03	1
S 1756	17.5	10.2	6.4	32.8	6.0	0.1	1.4	0.1	0.2	5.5	0.6	0.2	0.2	0.6	0.03	1
S 1757	72.2	10.9	6.8	45.8	12.4	0.5	1.6	0.8	0.2	3.6	0.3	0.4	0.2	0.6	0.03	3
S 1758	476.2	24.6	12.6	69.1	44.5	1.0	4.1	1.4	0.2	5.2	2.3	0.2	0.2	0.2	0.03	1
S 1759	57.5	20.9	6.5	34.9	7.5	0.7	3.3	0.1	0.2	4.6	0.9	0.2	0.2	0.6	0.03	1
SM 1760	148.8	12.0	28.4	87.0	10.1	1.5	15.0	0.7	0.2	118.5	0.2	0.8	0.2	0.9	0.03	38
S 1761	4,570.0	53.6	14.0	128.9	40.2	4.1	5.7	2.2	0.2	10.4	1.0	0.2	0.2	0.2	0.07	1
S 1762	1,450.0	44.2	16.1	73.4	25.3	1.1	4.7	0.8	0.2	12.9	0.2	0.2	0.2	0.8	0.07	21
S 1763	64.0	18.8	5.0	33.1	8.0	0.4	3.4	0.1	0.2	6.8	0.4	0.2	0.2	0.6	0.03	28
S 1764	294.9	33.3	10.8	71.7	15.1	0.7	5.4	0.3	0.2	9.0	0.2	0.2	0.2	0.4	0.03	13
S 1765	42.6	7.0	9.6	70.4	12.1	0.5	1.7	0.3	0.2	3.8	0.5	0.2	0.2	0.5	0.03	4
S 1766	139.1	8.1	12.1	56.9	12.0	0.7	4.3	0.2	0.2	6.7	0.2	0.3	0.2	0.8	0.03	1
S 1767	12.6	7.6	7.1	50.0	7.0	0.3	2.2	0.3	3.1	3.1	0.7	0.6	0.2	0.2	0.03	1
S 1768	12.4	11.5	3.7	21.3	3.3	0.2	0.9	0.1	2.7	3.0	0.7	0.2	0.2	0.3	0.03	4
SM 1769	350.5	10.1	6.9	73.0	17.3	0.4	4.3	0.6	0.2	5.5	1.0	0.2	0.2	0.2	0.03	48
S 1770	238.8	12.9	8.8	86.9	21.8	0.4	5.1	0.5	0.2	7.0	0.7	0.2	0.2	0.2	0.03	52 *
S 1771	850.0	9.2	8.4	68.7	12.7	1.4	3.2	1.6	0.2	2.6	0.2	0.2	0.6	0.4	0.03	20
S 1772	181.0	6.9	5.9	76.0	12.9	1.0	4.2	0.8	0.2	6.9	0.6	0.2	0.2	0.7	0.03	270 *
S 1773	620.4	35.9	10.8	84.5	24.7	1.6	4.0	0.5	0.2	6.9	0.9	0.2	0.2	0.2	0.03	6
S 1774	158.3	18.7	6.1	46.1	9.9	0.3	2.3	0.4	0.2	6.3	1.2	0.2	0.2	0.2	0.03	20
S 1775	39.3	17.8	5.4	38.2	5.9	0.2	1.6	0.2	0.2	5.5	1.7	0.2	0.2	0.2	0.03	5
S 1776	126.7	11.3	9.1	37.6	10.1	0.2	3.7	0.4	0.2	8.5	1.1	0.2	0.2	0.6	0.03	7
S 1777	54.7	4.6	7.3	48.2	11.8	0.3	0.8	0.2	0.2	2.6	0.8	0.2	0.2	0.2	0.03	9
SM 1778	146.0	7.5	7.8	74.6	16.4	0.2	2.9	1.1	0.2	3.6	0.5	0.2	0.2	0.4	0.03	12
S 1779	30.6	2.0	6.7	23.9	2.3	0.1	0.7	0.2	0.4	1.3	1.2	0.2	0.2	0.6	0.03	32
S 1780	879.8	15.0	45.2	97.2	48.3	0.8	2.7	3.4	0.2	44.6	1.8	0.2	0.2	0.6	0.03	28
S 1781	92.5	7.2	13.3	72.1	9.2	0.3	2.7	0.8	2.3	7.3	0.6	0.3	0.2	0.2	0.03	40
S 1782	24.3	2.4	12.0	29.3	2.6	0.3	0.9	0.5	2.4	5.1	0.2	0.2	0.5	0.4	0.04	72
S 1783	30.3	4.2	6.4	64.3	13.0	0.2	1.2	0.4	0.2	3.5	0.2	0.2	0.2	0.8	0.03	12
S 1784	55.0	5.0	10.9	68.1	7.3	0.2	1.7	1.0	0.2	4.2	0.2	0.2	0.2	0.7	0.03	13
S 1785	169.2	14.5	11.2	83.4	13.5	0.5	2.2	0.6	0.2	13.4	0.2	0.2	0.2	0.7	0.03	72
S 1786	10.4	13.6	19.8	75.8	4.5	0.8	1.1	0.3	0.2	39.0	0.3	0.2	0.9	0.6	0.03	1
SM 1787	60.7	46.4	11.6	119.3	3.8	12.8	2.3	3.8	0.2	18.5	0.2	2.5	12.5	0.6	0.05	*
S 1788	42.7	11.5	22.2	107.9	5.2	1.4	3.2	0.4	0.2	21.4	0.2	0.2	0.2	1.0	0.04	12
S 1789	72.4	45.6	16.4	137.4	13.6	1.3	1.5	0.6	0.2	37.0	0.2	0.2	0.2	0.7	0.03	6
S 1790	11.8	29.0	14.5	93.7	7.4	0.7	1.6	0.4	0.2	27.8	1.3	0.3	0.2	0.8	0.03	2
S 1791	11.5	12.0	15.5	52.9	4.5	0.7	1.3	0.2	0.2	26.0	0.7	0.2	0.3	0.5	0.03	1
S 1792	165.2	90.8	6.9	140.8	11.5	2.1	2.8	1.7	0.2	24.6	1.5	0.9	3.4	0.4	0.04	1
S 1793	69.2	50.4	20.0	102.6	16.5	0.9	2.2	0.5	0.2	41.2	0.9	0.2	1.1	0.4	0.03	4
S 1794	14.4	10.4	16.1	85.6	5.6	1.9	1.3	0.3	0.2	20.7	0.5	0.2	0.8	0.4	0.03	1
S 1795	73.4	72.8	24.5	228.9	15.5	2.4	2.1	1.4	0.2	64.5	1.5	0.2	1.2	0.8	0.03	20
SM 1796	335.5	97.5	282.8	674.1	52.3	11.1	4.9	7.2	0.2	717.0	5.2	0.8	2.0	0.2	0.03	96
S 1797	63.3	33.2	34.2	462.6	35.5	11.1	2.9	2.1	0.2	59.3	0.2	0.7	1.0	0.5	0.03	76
S 1798	55.8	42.8	28.3	424.3	27.6	7.8	2.6	0.7	0.2	110.7	0.5	0.9	0.2	0.3	0.03	2
S 1799	54.7	50.8	32.4	232.5	16.2	2.7	2.1	1.3	0.2	81.3	0.5	0.4	0.2	0.4	0.03	40
S 1800	25.6	31.2	9.3	89.9	8.7	0.9	1.7	0.4	3.6	14.6	0.8	0.2	0.2	0.2	0.06	1
S 1801	96.7	74.0	28.8	335.9	17.2	4.0	2.1	1.9	0.2	94.2	3.0	0.2	0.2	0.2	0.03	30
S 1802	162.1	41.4	108.9	529.4	26.4	5.1	3.0	2.0	0.2	265.0	3.1	1.1	0.3	0.2	0.03	28
S 1803	133.0	34.5	173.4	884.0	31.4	7.6	4.0	5.9	0.2	386.8	4.4	1.6	0.2	0.2	0.03	8

EAGLE	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb
S 1804	90.6	65.3	109.9	441.4	23.3	7.3	3.3	2.9	0.2	861.2	3.6	0.7	0.6	0.4	0.03	320
S 1805	61.4	32.3	42.4	156.8	13.1	1.9	2.8	0.9	0.2	146.0	1.7	0.2	0.2	0.2	0.03	40
SM 1806	932.8	62.0	788.0	7,170.0	50.3	101.6	6.9	15.9	0.2	2,134.6	39.1	0.2	2.4	1.2	0.03	220 *
S 1807	38.9	18.8	33.5	213.6	6.9	2.7	3.5	1.3	0.2	66.8	1.9	0.7	0.2	0.2	0.03	2
S 1808	112.3	40.6	38.9	274.6	19.9	2.8	5.8	0.5	0.2	181.9	3.6	0.6	0.2	0.5	0.03	6
S 1809	65.8	31.1	111.6	2,070.0	24.2	10.5	3.7	1.1	0.2	257.5	4.3	1.0	0.2	1.1	0.03	8
S 1810	537.6	46.8	3,680.0	3,790.0	20.7	62.3	1.9	4.3	0.2	839.3	8.7	0.2	1.3	1.3	0.03	100
S 1811	141.7	34.0	25.3	328.8	16.8	3.0	2.8	0.6	0.2	252.4	0.9	0.2	0.2	0.2	0.06	8
S 1812	463.7	105.0	71.1	3,010.0	42.3	15.8	5.7	2.3	0.2	515.9	2.7	0.2	0.2	0.3	0.07	28
S 1813	10.4	16.4	7.4	63.6	4.0	1.0	1.7	0.1	0.2	19.4	0.3	0.2	0.2	0.4	0.03	3
S 1814	111.7	52.3	14.7	136.2	13.0	3.3	2.2	0.6	0.2	58.4	0.7	0.3	0.3	0.2	0.03	6
S 1815	41.5	23.5	18.6	415.0	10.9	9.2	1.1	0.9	0.2	206.7	0.5	0.3	0.2	0.2	0.06	18
S 1816	98.6	25.1	11.5	419.1	11.2	5.2	5.6	0.4	0.2	115.7	0.9	0.6	0.2	0.2	0.04	14
S 1817	66.4	16.3	11.6	78.0	10.0	0.6	3.3	0.6	0.2	27.6	0.8	0.3	0.2	0.4	0.03	7
S 1818	17.7	12.1	28.7	207.6	3.8	2.1	2.1	0.1	0.2	41.4	0.8	0.2	0.2	0.6	0.03	4
S 1819	78.0	40.4	95.6	194.6	13.1	1.6	2.6	1.8	0.2	79.1	1.2	0.3	0.2	0.2	0.14	18
S 1820	18.0	22.6	24.8	151.5	8.6	1.4	4.0	4.0	8.3	82.0	0.2	0.5	0.2	0.2	0.12	9
S 1821	12.5	11.6	153.8	255.2	4.4	1.9	2.7	1.2	0.5	77.0	0.2	0.2	0.2	0.4	0.03	40
S 1822	421.4	88.0	40.9	1,500.0	20.3	8.1	4.3	3.0	0.2	282.4	2.0	0.2	0.6	0.2	0.17	31
S 1823	25.6	23.1	23.1	162.6	9.9	1.8	2.1	0.5	0.2	42.2	0.5	0.2	0.2	0.2	0.05	2
S 1824	24.1	22.6	27.4	112.3	5.9	1.0	2.4	0.3	0.2	46.8	0.6	0.2	0.2	0.2	0.03	5
S 1825	64.8	41.9	101.9	271.6	17.7	1.6	2.8	0.6	0.2	84.3	0.7	0.3	0.2	0.2	0.03	5
S 1826	24.8	19.2	23.0	198.9	6.1	1.4	2.3	0.3	0.2	53.3	0.2	0.2	0.2	0.2	0.03	3
S 1827	26.0	19.3	83.4	741.5	10.8	4.0	2.6	0.8	0.2	126.1	0.9	0.6	0.2	0.2	0.03	6
S 1828	49.2	39.0	19.8	342.5	14.9	2.8	2.5	0.4	0.2	180.5	0.9	0.2	0.2	0.2	0.08	9
S 1829	9.5	13.0	9.3	51.8	3.8	0.5	1.4	0.1	0.2	15.2	0.2	0.2	0.2	0.2	0.03	3
SM 1830	8.4	11.6	6.2	29.4	2.9	0.3	0.7	0.2	0.2	9.9	0.2	0.2	0.2	0.2	0.03	6
S 1831	96.8	39.6	9.4	90.9	8.5	1.3	1.7	0.3	1.0	15.7	0.2	0.2	0.2	0.2	0.04	16
S 1832	60.8	38.4	11.9	105.9	7.7	1.8	1.7	0.9	0.2	16.4	0.2	0.5	0.3	0.2	0.03	*
S 1833	18.0	24.0	8.3	50.7	5.4	0.3	1.2	0.1	0.2	12.7	0.5	0.2	0.2	0.2	0.03	7
S 1834	13.3	13.4	11.3	89.3	4.5	0.6	1.9	0.1	0.2	18.0	0.4	0.2	0.2	0.2	0.03	4
S 1835	13.6	14.2	6.3	37.5	3.5	0.3	1.2	0.1	0.2	11.4	0.2	0.2	0.2	0.2	0.03	2
S 1836	28.4	31.5	7.2	52.1	9.4	0.4	1.0	0.1	0.2	13.5	0.2	0.2	0.2	0.2	0.03	1
S 1837	30.3	33.5	6.5	59.8	8.8	0.4	1.0	0.1	0.2	13.8	0.2	0.2	0.2	0.2	0.03	1
S 2309	12.3	10.5	7.8	66.6	5.1	0.4	1.4	0.1	0.2	8.8	0.2	0.2	0.2	0.3	0.03	1
S 2310	6.6	7.3	7.4	33.5	3.0	0.1	1.1	0.1	0.2	5.1	0.2	0.2	0.2	0.3	0.03	8
S 2311	12.7	12.6	8.3	70.9	4.3	0.3	1.2	0.1	0.2	9.0	0.4	0.2	0.2	0.2	0.03	4
S 2312	30.7	22.6	11.7	92.8	10.3	0.3	1.3	0.3	0.2	14.8	0.2	0.2	0.2	0.5	0.03	3
S 2313	9.2	10.9	6.2	82.6	4.4	0.2	0.9	0.1	0.2	7.2	0.2	0.2	0.2	0.3	0.03	1
S 2314	7.9	13.4	4.4	34.0	3.1	0.4	1.0	0.1	0.2	5.7	0.2	0.2	0.3	0.7	0.03	1
S 2315	37.3	42.5	6.1	51.2	10.1	0.4	1.5	0.1	0.2	10.4	0.2	0.2	0.2	0.9	0.03	3
S 2316	1.7	3.1	4.1	14.5	0.9	0.1	0.2	0.1	0.5	1.3	0.2	0.2	0.2	0.7	0.03	3
S 2317	45.2	62.3	6.9	69.2	12.2	0.5	1.7	0.4	0.2	12.4	0.2	0.2	0.2	1.0	0.03	2
S 2318	19.6	33.8	4.6	46.2	7.5	0.5	0.9	0.1	0.2	8.0	0.5	0.2	0.5	0.8	0.03	3
S 2319	84.4	45.6	8.1	62.4	10.1	1.5	1.3	1.0	0.2	12.9	0.2	0.3	0.3	0.8	0.03	1
S 2320	78.3	22.7	2.4	7.6	1.0	2.5	1.1	0.5	0.2	2.9	0.2	1.6	3.8	0.6	0.03	*
S 2321	270.1	65.6	5.9	9.7	2.3	1.8	1.4	1.2	0.2	5.7	2.2	1.6	6.9	0.2	0.03	*
S 2322	324.4	57.7	9.6	23.6	3.1	1.0	1.0	1.4	0.2	13.4	1.8	0.4	5.7	0.6	0.03	*
S 2323	293.3	81.6	30.6	145.7	13.5	3.5	2.0	3.5	0.2	58.7	0.2	0.2	0.3	0.7	0.03	1
S 2324	14.8	16.3	6.2	108.4	6.2	0.8	1.7	0.6	0.2	16.9	0.2	0.2	0.2	0.3	0.03	1
S 2325	6.9	4.7	3.4	19.1	1.0	1.1	0.6	0.3	0.2	3.2	0.2	0.2	0.3	0.2	0.03	1
S 2326	202.3	93.6	11.3	100.9	11.5	5.7	3.5	3.8	0.2	35.9	0.2	1.0	3.6	0.3	0.03	*

EAGLE	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb
S 2327	167.4	76.3	12.5	142.7	11.6	9.2	2.2	2.5	0.2	24.5	0.2	0.3	1.1	0.6	0.03	8
S 2328	65.3	36.1	9.0	66.8	10.3	1.7	5.6	1.5	0.2	31.9	0.2	1.0	1.3	1.4	0.03	12
S 2329	61.8	33.5	5.5	36.6	10.2	1.5	3.1	1.2	0.2	17.0	0.4	1.2	1.5	0.6	0.03	
S 2330	81.3	36.2	3.1	25.9	4.0	1.7	1.7	0.5	0.2	9.3	0.2	0.6	1.5	0.9	0.03	16
S 2331	5.0	10.8	4.2	17.4	2.6	0.1	0.9	0.1	1.3	6.6	0.3	0.2	0.2	0.2	0.06	1
S 2332	5.0	10.9	4.4	29.8	2.5	0.2	0.8	0.1	0.2	7.5	0.2	0.2	0.2	0.2	0.06	1
S 2333	6.6	11.3	5.9	32.0	2.7	0.1	0.6	0.1	0.2	6.0	0.2	0.2	0.2	0.2	0.05	3
S 2334	4.4	13.5	3.9	44.6	6.6	0.1	0.5	0.1	0.2	3.5	0.2	0.2	0.2	0.2	0.03	3
S 2335	3.4	5.5	3.4	15.2	1.6	0.1	0.3	0.1	0.2	2.4	0.2	0.2	0.2	0.2	0.03	6
S 2336	3.6	5.6	3.4	15.3	1.6	0.1	0.4	0.1	0.2	2.3	0.2	0.2	0.2	0.2	0.03	2
S 2337	7.0	11.3	4.5	34.5	3.9	0.2	0.7	0.1	0.2	4.6	0.2	0.2	0.2	0.5	0.04	1
S 2338	40.0	44.5	5.3	64.5	10.6	0.5	1.5	0.3	0.2	5.5	0.2	0.3	0.2	0.2	0.05	1
S 2339	8.2	11.5	3.6	30.1	3.6	0.1	0.5	0.1	0.2	2.4	0.2	0.2	0.2	0.2	0.04	3
S 2340	39.7	5.2	8.3	82.6	6.1	0.4	1.0	0.3	0.2	2.2	0.2	0.2	0.2	0.2	0.03	34
S 2341	131.8	6.4	8.3	144.1	16.1	0.3	2.3	0.8	0.2	5.2	0.2	0.2	0.2	1.1	0.05	5
S 2342	186.9	11.6	10.3	90.1	16.7	0.5	1.9	1.1	0.2	5.5	0.2	0.2	0.2	0.6	0.03	2
S 2343	9.2	13.3	4.4	32.4	3.6	0.1	0.8	0.1	0.2	4.4	0.2	0.2	0.2	0.2	0.03	2
S 2344	8.3	16.2	4.1	31.4	3.4	0.1	0.8	0.4	0.2	4.7	0.2	0.2	0.2	0.4	0.03	6
S 2345	10.0	13.5	3.0	25.1	3.0	0.2	0.2	0.1	0.2	2.8	0.2	0.2	0.5	0.3	0.03	1
S 2346	12.0	25.3	3.6	40.9	4.9	0.1	0.5	0.1	0.2	5.0	0.2	0.2	0.2	0.2	0.03	1
S 2347	14.0	21.1	4.7	38.7	4.4	0.2	1.1	0.1	0.2	6.3	0.3	0.2	0.5	0.2	0.03	1
S 2348	11.8	15.3	5.8	48.1	4.1	0.4	1.1	0.1	0.2	8.9	0.2	0.2	0.2	0.6	0.03	1
S 2349	9.9	12.5	7.2	43.3	4.0	0.3	1.2	0.1	0.2	6.4	0.2	0.2	0.3	0.4	0.03	4
S 2350	7.3	11.7	4.9	29.8	3.3	0.2	0.8	0.1	1.8	3.1	0.2	0.2	0.2	0.4	0.03	3
S 2351	94.0	63.0	11.8	88.8	12.9	0.6	1.9	0.7	0.2	5.6	0.2	0.2	0.4	0.2	0.03	8
S 2352	15.6	24.0	5.5	46.3	7.8	0.2	0.9	0.1	0.2	4.8	0.4	0.2	0.2	0.3	0.03	1
S 2353	9.4	14.9	4.6	38.8	4.7	0.2	0.4	0.1	0.2	3.4	0.2	0.2	0.2	0.4	0.03	1
S 2354	9.5	9.6	4.7	33.3	2.9	0.5	0.8	0.1	0.2	4.9	0.2	0.2	0.2	0.5	0.09	4
S 2355	58.5	21.7	4.1	28.4	27.6	1.7	2.8	1.2	0.2	8.1	0.2	0.8	1.6	0.4	0.03	4
S 2356	86.4	78.2	7.9	73.3	17.2	2.4	4.2	1.9	0.2	12.7	0.2	0.7	1.4	0.2	0.03	12
S 2357	25.7	31.9	4.9	45.1	8.0	0.2	0.8	0.1	0.2	6.5	0.2	0.2	0.2	0.7	0.04	2
S 2358	13.2	11.2	11.4	37.6	4.1	1.2	1.7	0.3	0.2	7.6	0.2	0.2	0.2	0.9	0.03	16
S 2359	46.0	23.0	21.5	102.9	13.6	0.7	2.1	0.7	0.2	17.6	0.2	0.2	0.2	0.2	0.03	1
S 2360	4.3	10.1	4.3	22.1	2.4	0.3	0.5	0.1	0.2	3.2	0.3	0.2	0.4	0.5	0.03	2
S 2361	20.3	54.4	4.5	65.1	11.8	0.4	1.2	0.1	0.2	9.6	0.3	0.2	0.2	0.2	0.03	1
S 2362	3.4	6.8	5.2	20.5	1.7	0.3	0.7	0.1	0.2	3.1	0.2	0.2	0.2	0.6	0.03	1
S 2363	38.6	21.8	8.2	53.7	7.3	3.1	1.3	0.4	0.2	8.3	0.2	0.2	0.2	0.3	0.03	1
S 2364	38.5	21.0	2.3	18.0	2.8	3.1	3.4	1.4	0.2	3.3	0.2	1.3	2.2	0.3	0.03	1
S 2365	210.7	30.7	6.1	52.4	11.6	0.3	1.1	0.4	0.2	10.1	0.2	0.2	0.6	0.3	0.09	24
S 2366	10.4	17.7	4.2	29.2	3.9	0.1	0.7	0.1	0.2	4.3	0.2	0.2	0.2	0.3	0.03	1
S 2367	8.7	15.4	3.5	37.5	4.5	0.1	0.7	0.1	0.2	4.9	0.2	0.2	0.2	0.6	0.08	1
S 2368	8.6	12.4	3.3	22.8	2.9	0.2	0.4	0.1	0.2	3.0	0.2	0.2	0.2	0.3	0.03	1
S 2369	8.7	15.4	3.2	27.4	3.8	0.1	0.8	0.1	1.6	1.9	0.4	0.2	0.2	0.3	0.04	1
S 2370	7.1	14.4	3.3	25.5	3.4	0.1	0.7	0.1	0.2	2.7	0.2	0.2	0.2	0.2	0.05	1
S 2371	1.9	3.7	3.1	10.0	1.2	0.1	0.3	0.1	0.7	0.3	0.2	0.2	0.2	0.4	0.04	5
S 2372	11.4	19.0	3.6	28.7	4.4	0.1	0.7	0.1	0.2	3.0	0.2	0.2	0.2	0.2	0.04	4
S 2373	4.6	7.9	3.7	16.0	2.1	0.1	0.4	0.1	0.2	2.3	0.2	0.2	0.2	0.2	0.06	2
S 2374	8.9	15.1	3.4	22.2	3.1	0.1	0.8	0.1	0.2	3.4	0.2	0.2	0.2	0.3	0.03	8
S 2375	7.4	15.5	3.4	27.9	3.5	0.1	1.0	0.1	0.2	3.0	0.2	0.2	0.2	0.6	0.03	10
S 2376	10.5	16.4	3.8	29.8	3.5	0.1	0.9	0.1	0.2	3.5	0.2	0.2	0.2	0.4	0.03	1
S 2377	6.2	15.3	3.8	30.0	4.4	0.1	0.7	0.1	0.2	3.1	0.2	0.2	0.2	0.2	0.03	1
S 2378	14.3	20.9	4.2	36.0	5.5	0.2	0.7	0.1	0.2	3.4	0.2	0.2	0.2	0.3	0.03	3

EAGLE	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb
S 2379	20.5	29.2	4.3	42.7	7.7	0.2	1.0	0.1	0.2	6.0	0.2	0.2	0.2	0.2	0.03	2
S 2380	16.1	23.0	4.0	46.3	7.3	0.3	0.7	0.1	0.2	4.3	0.3	0.2	0.2	0.5	0.03	2
S 2381	151.6	45.8	5.1	49.9	11.7	0.3	1.0	0.3	0.2	8.4	0.2	0.2	0.9	0.5	0.08	16
S 2382	12.7	4.0	0.8	22.3	0.5	0.4	3.0	0.1	0.2	2.2	0.2	1.2	2.0	0.4	0.03	4
S 2383	91.5	35.7	2.6	20.9	3.5	1.0	1.3	0.4	0.2	4.2	0.2	1.9	4.4	0.3	0.03	*
S 3001	98.0	22.1	5.6	49.3	12.5	0.4	2.3	0.2	0.2	8.7	0.2	0.2	0.3	0.2	0.03	1
S 3002	47.8	13.0	6.4	51.9	8.3	0.3	3.2	0.2	0.2	13.6	0.2	0.2	0.2	0.2	0.03	4
S 3003	27.7	5.9	8.9	66.4	8.8	0.2	1.7	0.2	0.2	4.8	0.2	0.2	0.2	0.2	0.03	8
S 3004	566.0	17.7	8.0	29.2	19.5	0.7	7.0	0.6	0.2	7.1	0.2	0.2	0.4	0.2	0.03	1
S 3005	17.5	7.6	6.3	63.7	5.5	0.8	1.0	0.1	0.2	2.8	0.2	0.2	0.2	0.2	0.03	7
S 3006	23.3	4.7	8.1	21.0	4.7	0.1	1.4	0.1	0.2	5.7	0.4	0.2	0.2	0.2	0.03	16
S 3007	15.7	7.7	5.6	23.6	4.1	0.1	0.7	0.1	0.2	2.3	0.2	0.2	0.2	0.2	0.03	12
S 3008	76.0	7.3	6.7	16.9	3.2	1.2	2.2	0.1	0.2	1.8	0.2	0.2	0.2	0.2	0.03	*
S 3009	123.6	20.3	6.1	64.5	9.1	0.4	1.9	0.2	0.2	5.2	0.2	0.2	0.2	0.2	0.03	6
S 3010	14.5	4.7	7.6	32.7	5.1	0.1	1.0	0.1	0.2	3.0	0.2	0.2	0.2	0.2	0.03	20
S 3011	17.6	6.7	5.8	33.7	4.0	0.3	3.3	0.1	0.2	5.9	0.2	0.2	0.2	0.2	0.03	12
S 3012	66.4	14.4	7.8	72.9	12.8	0.2	1.7	0.5	0.2	9.8	0.7	0.2	0.2	0.2	0.03	8
S 3013	43.9	9.0	6.6	33.8	6.1	0.2	1.4	0.2	1.4	7.9	0.5	0.2	0.2	0.2	0.03	3
S 3014	26.2	8.1	8.3	52.7	5.8	0.3	1.3	0.8	0.2	10.1	0.2	0.2	0.2	0.2	0.03	7
S 3015	98.7	18.2	7.7	61.2	9.6	0.5	2.8	0.5	0.2	42.2	0.6	0.2	0.2	0.2	0.04	6
S 3016	182.9	18.4	8.9	51.0	10.0	2.7	25.1	1.9	0.2	82.8	0.2	0.4	2.5	0.2	0.03	12
S 3017	126.5	16.2	7.7	64.9	10.1	0.2	2.0	0.1	0.2	22.5	0.8	0.2	0.2	0.2	0.06	7
S 3018	104.2	23.6	6.6	64.2	15.8	0.2	1.6	0.3	0.2	11.8	0.7	0.2	0.2	0.2	0.08	9
S 3019	98.8	29.7	6.9	69.4	10.3	0.2	2.2	0.3	0.2	14.2	1.2	0.2	0.2	0.2	0.11	7
S 3020	32.1	8.6	5.7	38.2	5.0	0.3	1.2	0.4	0.2	5.9	0.4	0.2	0.2	0.2	0.03	10
S 3021	60.2	12.4	6.3	57.6	10.0	0.4	2.6	0.3	0.2	8.1	0.2	0.2	0.2	0.2	0.06	7
S 3022	45.9	12.4	8.2	40.3	7.0	0.3	1.8	0.2	0.2	7.2	0.2	0.2	0.2	0.2	0.03	8
S 3023	8.3	7.2	3.6	18.0	1.7	0.1	0.7	0.1	0.2	1.3	0.2	0.2	0.2	0.2	0.03	6
S 3024	236.8	23.9	5.3	27.6	10.1	1.5	2.6	0.6	0.2	5.4	0.2	0.5	0.2	0.2	0.04	16
S 3025	2.3	1.3	2.8	6.7	3.7	0.1	0.6	0.1	0.2	0.6	0.2	0.2	0.2	0.2	0.03	2
S 3026	233.9	36.8	10.7	57.4	18.0	0.9	2.2	0.7	0.2	6.7	0.8	0.2	0.3	0.2	0.03	6
S 3027	16.5	2.7	2.6	18.9	1.1	0.3	0.3	0.1	0.2	0.8	0.2	0.2	0.2	0.2	0.03	4
S 3028	32.3	7.6	4.9	35.5	5.2	0.3	1.2	0.1	0.2	2.8	0.2	0.2	0.2	0.2	0.03	4
S 3029	30.0	11.7	6.4	39.6	6.3	0.2	1.3	0.1	0.2	5.7	0.2	0.2	0.2	0.2	0.03	11
S 3030	203.8	17.9	7.3	42.5	10.7	1.0	2.8	1.0	0.2	7.7	0.2	0.2	0.2	0.2	0.03	4
S 3031	123.0	17.3	7.6	51.0	19.0	0.5	2.5	0.4	0.2	10.8	0.2	0.2	0.2	0.2	0.03	4
S 3032	41.7	7.4	5.6	28.0	5.2	0.1	1.3	0.1	1.9	4.7	0.4	0.2	0.2	0.2	0.03	4
S 3033	40.0	12.2	6.7	65.3	9.4	0.1	1.4	0.1	0.2	8.1	0.3	0.2	0.2	0.2	0.04	3
S 3034	55.5	13.7	11.1	52.9	7.0	0.3	1.9	0.6	0.2	26.9	0.2	0.2	0.2	0.2	0.03	4
S 3035	99.1	16.6	8.8	59.8	11.3	0.3	2.1	0.6	0.2	23.0	0.6	0.2	0.2	0.2	0.03	6
S 3036	29.8	13.1	8.8	51.1	6.0	0.2	1.3	0.5	0.2	13.2	0.2	0.2	0.2	0.2	0.03	1
S 3037	28.0	14.5	7.2	44.3	5.6	0.2	1.5	0.1	0.2	15.9	0.2	0.2	0.2	0.2	0.03	3
S 3038	33.6	6.0	7.5	31.7	4.4	0.2	1.7	0.1	0.2	5.1	0.3	0.2	0.2	0.2	0.03	6
S 3039	70.4	13.8	6.4	51.4	8.9	0.1	1.6	0.3	0.2	11.1	0.3	0.2	0.2	0.2	0.03	8
S 3040	16.7	6.2	6.1	28.8	4.0	0.1	1.5	0.1	0.2	4.3	0.2	0.2	0.2	0.2	0.03	8
S 3041	26.9	7.3	7.1	66.9	7.9	0.3	2.1	0.3	0.2	4.4	0.2	0.2	0.2	0.2	0.03	11
S 3042	34.3	12.7	8.4	59.6	8.7	0.1	1.5	0.1	0.2	6.4	0.5	0.2	0.2	0.2	0.03	7
S 3043	37.3	11.4	5.0	39.3	8.9	0.1	1.5	0.1	0.2	5.3	0.3	0.2	0.2	0.2	0.03	5
S 3044	33.1	11.3	6.3	104.9	11.8	0.8	1.4	0.3	0.2	1.9	0.3	0.2	0.2	0.2	0.03	2
S 3045	33.5	12.5	8.6	102.9	15.6	0.5	1.2	0.4	0.2	5.1	0.2	0.2	0.2	0.2	0.03	5
S 3046	19.8	8.0	5.6	46.1	5.3	0.6	1.2	0.1	0.2	2.8	0.2	0.2	0.2	0.2	0.03	5
S 3047	6.3	3.3	5.8	17.5	1.7	0.1	0.7	0.1	0.2	0.9	0.3	0.2	0.2	0.2	0.03	3

EAGLE	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb
S 3048	49.7	11.6	4.6	28.4	6.8	0.1	1.4	0.3	0.2	4.6	0.4	0.2	0.2	0.2	0.03	2
S 3049	9.9	4.3	5.5	28.0	3.7	0.1	0.9	0.2	0.2	2.2	0.2	0.2	0.2	0.2	0.03	5
S 3050	168.2	21.3	8.6	61.0	17.3	0.5	4.0	0.5	0.2	10.6	0.2	0.2	0.2	0.2	0.03	6
S 3051	30.3	8.4	5.8	40.0	6.9	0.1	1.6	0.1	0.9	5.4	0.4	0.2	0.2	0.2	0.08	5
S 3052	30.5	10.6	8.5	45.6	7.6	0.1	1.3	0.2	0.2	5.0	0.2	0.2	0.2	0.2	0.03	1
S 3053	31.3	7.4	7.1	57.7	7.1	0.1	1.1	0.3	0.2	4.0	0.2	0.2	0.2	0.2	0.03	5
S 3054	39.9	8.1	18.1	48.0	9.9	0.2	1.3	0.1	0.2	11.5	0.4	0.2	0.2	0.2	0.08	1
S 3055	509.4	19.9	12.2	67.5	25.5	0.8	3.7	0.5	0.2	15.7	0.2	0.2	0.2	0.2	0.08	12
S 3056	120.7	21.0	7.7	68.2	15.0	0.4	1.8	0.3	0.2	14.2	0.7	0.2	0.2	0.2	0.03	8
S 3057	76.0	13.6	7.2	63.4	12.2	0.2	1.8	0.2	0.2	9.8	0.2	0.2	0.2	0.2	0.04	5
S 3058	23.7	3.4	5.7	11.3	1.7	0.1	0.4	0.1	0.2	0.5	0.3	0.2	0.6	0.2	0.03	4
S 3059	14.2	4.4	5.3	17.4	3.7	0.1	0.9	0.1	0.2	1.9	0.2	0.2	0.2	0.2	0.06	1
S 3060	119.0	11.5	5.0	42.8	10.5	0.8	5.5	1.4	0.2	4.9	0.2	0.2	0.2	0.2	0.03	
S 3061	52.1	17.4	5.3	47.6	6.8	0.2	1.9	0.1	0.2	8.7	1.0	0.2	0.2	0.2	0.09	6
S 3062	31.2	10.7	5.2	33.9	5.1	0.1	1.3	0.1	1.3	4.4	0.7	0.2	0.2	0.2	0.03	3
S 3063	165.7	24.7	5.8	38.3	14.7	1.0	2.1	0.4	0.2	5.6	0.2	0.3	0.2	0.2	0.03	4
S 3064	152.2	24.8	11.8	54.7	17.7	0.4	2.3	0.5	0.2	12.8	0.9	0.2	0.5	0.2	0.03	8
S 3065	44.0	5.2	8.6	47.5	6.7	0.1	1.0	0.1	0.2	1.2	0.5	0.2	0.5	0.2	0.04	1
S 3066	41.0	11.2	4.8	34.7	5.7	0.2	1.3	0.1	0.2	5.4	0.7	0.2	0.2	0.2	0.03	1
S 3067	6.1	3.2	4.3	21.7	2.8	0.1	0.5	0.1	0.2	1.4	0.4	0.2	0.3	0.2	0.03	24
S 3068	77.8	18.1	7.6	63.8	9.4	0.1	2.7	0.1	0.2	7.6	0.5	0.2	0.2	0.2	0.03	4
S 3069	31.5	8.5	6.7	32.3	4.6	0.2	0.8	0.1	0.2	1.4	0.2	0.2	0.2	0.2	0.03	5
S 3070	124.7	12.8	5.4	37.2	9.3	0.3	2.6	0.3	0.2	6.8	1.2	0.2	0.2	0.2	0.03	2
S 3071	59.5	8.8	7.1	35.8	8.3	0.2	1.1	0.1	0.2	3.1	0.5	0.2	0.2	0.2	0.03	4
S 3072	67.7	14.0	7.6	43.7	6.5	0.4	1.6	0.3	0.2	13.6	0.2	0.2	0.2	0.2	0.03	4
S 3073	181.6	36.0	7.5	63.8	7.3	0.4	3.9	0.2	0.2	9.4	0.9	0.2	0.2	0.2	0.03	2
S 3074	51.0	21.4	8.7	43.7	5.3	1.0	3.1	0.1	0.2	8.2	0.2	0.2	0.4	0.2	0.03	4
S 3075	32.5	23.4	9.5	199.7	9.8	1.4	3.1	1.2	0.2	32.9	0.3	0.2	0.2	0.2	0.03	1
S 3076	23.9	17.9	5.4	41.4	4.1	0.3	1.9	0.1	0.2	11.5	0.5	0.2	0.2	0.2	0.03	1
S 3077	114.1	39.5	7.3	57.1	7.7	0.5	3.1	0.2	0.2	26.0	1.1	0.2	0.2	0.2	0.03	8
S 3078	15.9	11.7	7.2	70.6	7.1	0.5	2.1	0.1	0.2	12.0	0.3	0.2	0.2	0.2	0.03	1
S 3079	47.0	17.8	7.7	100.0	10.6	0.5	3.7	0.3	0.2	18.4	0.2	0.2	0.2	0.2	0.08	3
S 3080	79.2	15.6	13.4	115.0	20.0	3.1	4.5	0.4	0.2	14.1	0.4	0.2	0.2	0.2	0.03	1
S 3081	175.7	23.1	21.7	280.6	21.4	1.3	4.4	0.4	0.2	23.7	0.5	0.2	0.4	0.2	0.03	4
S 3082	294.4	31.5	16.3	155.0	28.2	3.6	16.7	1.6	0.2	13.2	0.2	0.2	1.4	0.2	0.13	
S 3083	17.6	11.8	8.6	60.1	3.5	2.2	2.0	0.2	0.2	8.6	0.2	0.2	0.2	0.2	0.04	14
S 3084	119.4	44.4	48.4	136.8	14.9	0.9	3.0	0.8	0.2	17.1	0.2	0.2	0.2	0.2	0.13	10
S 3085	59.1	27.5	15.2	119.6	13.2	1.0	3.9	0.4	0.2	32.3	0.5	0.2	0.2	0.2	0.03	1
S 3086	46.6	21.6	19.2	189.8	13.6	1.7	3.3	0.5	0.2	26.0	0.4	0.2	0.6	0.2	0.03	12
S 3087	753.4	102.5	178.4	226.2	20.0	4.4	6.0	2.6	0.2	19.3	0.3	0.2	0.2	0.2	0.08	4
S 3088	229.8	68.1	14.5	114.5	13.6	1.7	3.4	0.8	0.2	9.5	0.2	0.2	0.2	0.2	0.03	2
S 3089	16.3	20.7	2.8	29.0	5.2	0.1	1.1	0.1	0.2	2.3	0.2	0.2	0.2	0.2	0.03	1
S 3090	34.7	31.1	5.5	48.8	8.7	0.2	1.6	0.1	0.2	9.2	0.3	0.2	0.2	0.2	0.03	1
S 3091	231.4	40.5	6.5	51.5	12.6	0.2	3.2	0.4	0.2	7.1	0.3	0.2	0.2	0.2	0.05	4
S 3092	1,250.0	46.0	7.2	108.1	11.0	1.9	2.6	0.6	0.2	8.0	0.2	0.2	0.2	0.2	0.04	1
S 3093	18.2	19.2	4.4	57.0	6.9	0.4	0.6	0.1	0.2	4.3	0.2	0.2	0.2	0.2	0.03	1
S 3094	5.9	13.4	3.3	28.4	3.4	0.1	0.5	0.1	0.2	3.3	0.2	0.2	0.2	0.2	0.03	6
S 3095	15.6	25.8	3.3	41.6	5.7	0.2	1.3	0.1	0.2	5.5	0.2	0.2	0.2	0.2	0.03	9
S 3096	9.7	20.4	3.3	35.9	5.6	0.2	1.4	0.1	0.2	4.5	0.2	0.2	0.2	0.2	0.03	4
S 3097	9.1	18.1	3.0	31.6	4.6	0.1	0.7	0.1	0.2	3.6	0.5	0.2	0.2	0.2	0.04	2
S 3098	4.2	8.7	2.4	14.0	1.9	0.1	0.7	0.1	0.2	1.8	0.2	0.2	0.6	0.2	0.03	4
S 3099	8.1	16.6	2.9	36.7	5.6	0.1	1.3	0.1	0.2	2.5	0.2	0.2	0.2	0.2	0.03	7

EAGLE	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb
S 3100	11.6	20.3	3.3	37.1	5.6	0.1	0.9	0.1	1.5	2.8	0.5	0.2	0.2	0.3	0.03	12
S 3101	14.1	24.0	3.5	41.0	6.4	0.1	1.0	0.1	0.2	3.8	0.2	0.2	0.2	0.2	0.10	4
S 3102	16.6	29.2	3.4	42.5	6.8	0.2	1.1	0.1	0.2	4.5	0.2	0.2	0.2	0.2	0.03	1
S 3103	8.3	19.2	3.0	40.7	5.5	0.1	0.7	0.1	0.2	2.5	0.2	0.2	0.2	0.4	0.03	1
S 3104	7.7	14.3	2.9	32.3	4.0	0.1	0.7	0.1	0.2	1.9	0.4	0.2	0.2	0.2	0.03	3
S 3105	8.9	16.1	3.2	36.5	4.3	0.3	0.7	0.1	0.2	3.5	0.2	0.2	0.3	0.2	0.17	3
S 3106	21.2	25.9	4.3	52.1	5.5	0.5	1.9	0.2	0.2	6.2	0.4	0.2	0.2	0.3	0.03	6
S 3107	107.7	51.7	6.1	75.4	11.6	0.9	2.4	0.4	0.2	14.3	0.3	0.2	0.4	0.2	0.04	6
S 3108	22.3	22.0	15.4	181.9	22.1	2.1	3.8	0.5	0.2	49.6	0.4	0.6	0.2	0.2	0.03	4
S 3109	37.1	30.1	16.8	145.0	20.8	1.4	3.3	0.3	0.2	36.5	0.4	0.7	0.2	0.2	0.03	8
S 3110	25.0	34.5	5.2	76.9	8.5	0.5	1.1	0.1	0.2	10.0	0.5	0.2	0.2	0.3	0.03	3
S 3111	41.5	53.4	8.0	111.1	13.8	1.0	1.7	0.2	0.2	20.4	0.4	0.3	0.2	0.2	0.03	1
S 3112	40.0	40.7	8.1	93.9	10.7	0.6	1.4	0.1	0.2	13.2	0.6	0.2	0.4	0.2	0.15	7
S 3113	179.6	58.5	6.2	98.0	18.1	0.9	2.4	0.6	0.2	10.4	0.2	0.2	0.2	0.2	0.03	1
S 3114	448.9	42.8	4.6	55.0	13.4	0.2	1.6	0.2	0.2	10.4	0.2	0.2	0.2	0.2	0.19	2
S 3115	82.7	27.0	7.1	62.7	7.4	0.5	2.1	0.1	0.2	14.4	0.6	0.2	0.2	0.2	0.03	5
S 3116	83.7	19.8	3.7	28.2	5.4	0.9	1.2	0.3	0.2	6.8	0.2	0.8	1.3	0.2	0.03	4
S 3117	41.3	27.4	3.1	54.7	7.0	0.6	1.0	0.3	0.2	6.2	0.2	1.2	0.6	0.3	0.03	8
S 3118	4.6	7.9	3.0	16.5	1.6	0.1	0.4	0.1	0.2	1.9	0.3	0.2	0.2	0.3	0.03	1
S 3119	9.3	23.7	2.7	47.0	5.8	0.2	1.0	0.1	1.6	4.5	0.2	0.2	0.2	0.2	0.15	2
S 3120	149.4	27.8	1.7	29.7	2.5	0.4	2.5	0.4	1.7	3.5	0.2	1.1	1.0	0.2	0.03	*
S 3122	137.9	42.9	4.3	47.4	8.0	0.6	3.3	0.4	0.2	6.5	0.2	0.7	1.2	0.2	0.22	*
S 3123	39.7	32.6	5.6	54.8	9.1	0.5	2.2	0.1	0.2	8.4	0.2	0.3	0.2	0.2	0.15	1
S 3124	40.1	35.5	4.1	50.9	8.3	0.6	1.8	0.2	0.2	5.2	0.2	0.7	0.2	0.2	0.14	2
S 3125	84.3	50.4	4.7	48.4	8.5	0.6	4.8	0.1	0.2	9.2	0.4	0.2	0.7	0.2	0.16	3
S 3126	80.0	55.0	5.7	71.4	8.3	1.2	3.2	0.3	0.2	8.0	0.2	0.7	1.0	0.2	0.16	4
S 3127	33.6	32.0	4.3	38.1	6.7	0.9	2.1	0.1	0.2	5.1	0.2	0.2	0.2	0.2	0.07	3
S 3128	19.0	27.8	3.4	45.5	7.5	0.2	1.1	0.1	0.2	4.6	0.2	0.2	0.2	0.2	0.17	3
S 3129	44.2	18.4	1.4	34.2	1.5	0.5	3.3	0.1	0.2	2.6	0.2	1.4	0.9	0.2	0.03	*
S 3130	55.9	34.4	5.5	55.9	10.5	0.8	2.7	0.3	0.2	8.0	0.2	0.2	0.2	0.2	0.06	10
S 3131	43.0	32.1	4.8	57.1	9.6	0.6	2.4	0.2	0.2	7.7	0.2	0.2	0.2	0.2	0.03	10
S 3132	66.0	51.0	3.7	60.4	7.9	0.6	3.2	0.5	0.2	8.9	0.2	0.6	0.2	0.2	0.03	12
S 3133	60.6	54.9	4.7	65.1	10.8	0.7	2.4	0.7	0.2	9.5	0.2	0.3	1.2	0.2	0.03	12
S 3134	25.3	27.7	3.6	44.1	6.9	0.2	1.1	0.2	0.2	3.9	0.2	0.2	0.2	0.3	0.03	5
S 3135	18.8	19.9	3.9	35.4	5.8	0.2	1.0	0.1	0.2	4.0	0.2	0.2	0.2	0.5	0.03	10
S 3136	68.3	35.4	5.6	48.2	9.8	0.3	1.2	0.1	0.2	9.6	0.2	0.2	0.2	0.5	0.03	16
S 3137	21.9	27.7	3.9	36.4	5.7	0.3	1.0	0.1	0.2	9.7	0.2	0.2	0.2	0.2	0.03	8
S 3138	67.3	30.6	4.4	42.9	8.1	0.1	1.1	0.3	0.2	7.9	0.5	0.2	0.2	0.2	0.03	7
S 3139	33.6	11.6	0.8	22.9	0.6	0.8	1.6	0.2	0.2	2.0	0.2	1.7	3.0	0.3	0.03	28
S 3140	68.5	28.6	2.1	20.5	3.4	0.5	1.3	0.2	0.2	4.7	0.2	0.7	2.2	0.2	0.03	16
S 3141	151.4	61.6	3.0	46.9	5.0	0.8	1.2	0.4	0.2	7.8	0.2	0.9	2.4	0.4	0.03	28
S 3142	248.0	55.6	5.2	58.1	12.3	0.4	1.5	0.3	0.2	10.6	0.2	0.2	0.2	0.2	0.03	12
S 3143	145.9	46.0	5.7	56.6	12.6	0.3	1.4	0.3	0.2	11.2	0.2	0.2	0.2	0.2	0.03	9
S 3144	61.5	61.0	4.6	66.4	9.1	0.6	1.4	0.5	0.2	9.6	0.2	0.4	0.2	0.2	0.03	24
S 3145	71.9	86.1	6.0	75.4	12.3	1.2	2.4	1.0	0.2	14.8	0.2	0.3	1.0	0.2	0.03	20
S 3146	54.5	55.3	4.6	56.1	8.3	0.6	1.2	0.3	0.2	7.4	0.2	0.4	0.2	0.2	0.03	20
S 3147	87.7	62.7	3.8	29.4	7.0	0.9	1.9	0.4	0.2	9.0	0.2	1.1	4.7	0.2	0.03	12
S 3148	90.2	65.8	6.0	67.1	11.6	0.5	1.9	0.2	0.2	11.6	0.2	0.2	0.4	0.2	0.03	20
S 3149	16.6	23.0	4.2	51.9	6.6	0.3	1.2	0.1	0.7	4.6	0.2	0.2	0.2	0.8	0.08	24
S 3150	97.4	82.9	8.0	111.3	23.6	0.4	1.9	1.0	0.2	10.1	0.2	0.2	0.2	0.2	0.03	8
S 3151	17.3	17.9	4.5	50.8	6.1	0.3	1.0	0.1	0.2	3.7	0.2	0.2	0.2	0.5	0.03	6
S 3152	274.5	43.1	4.5	48.4	9.6	0.1	1.6	0.1	0.2	6.4	0.2	0.2	0.2	0.3	0.03	8

EAGLE	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb
S 3153	69.8	24.7	4.5	55.8	9.3	0.1	1.3	0.2	0.2	5.4	0.2	0.2	0.2	0.6	0.08	20
S 3154	4.7	9.9	2.8	21.1	2.5	0.1	0.6	0.1	0.2	2.3	0.3	0.2	0.2	0.3	0.06	6
S 3155	16.4	30.9	3.3	43.4	7.1	0.2	1.0	0.1	0.2	4.0	0.2	0.2	0.2	0.3	0.04	35
S 3156	12.1	21.6	3.4	31.9	5.0	0.1	1.0	0.1	0.2	3.7	0.2	0.2	0.2	0.3	0.03	5
S 3157	192.5	7.8	7.8	81.9	30.0	0.3	1.4	0.7	0.2	18.4	0.4	0.2	0.2	0.5	0.05	30
S 3158	15.5	3.4	7.2	48.9	3.8	0.3	1.1	0.2	0.2	1.7	0.2	0.2	0.2	0.6	0.03	12
S 3159	216.6	140.3	10.7	267.4	22.6	2.3	3.4	1.3	0.2	21.8	0.2	0.2	0.2	0.2	0.14	12
S 3160	11.0	11.2	4.9	45.6	4.1	0.2	0.9	0.1	0.2	3.2	0.2	0.2	0.2	0.7	0.05	7
S 3161	6.8	10.6	4.8	35.0	3.2	0.1	0.9	0.1	0.2	3.0	0.2	0.2	0.2	0.2	0.07	3
S 3162	36.6	27.4	4.0	48.5	7.9	0.1	1.7	0.1	0.2	6.1	0.7	0.2	0.2	0.2	0.06	5
S 3163	6.8	14.0	3.7	26.2	3.7	0.1	0.6	0.1	0.2	2.6	0.2	0.2	0.2	0.4	0.04	5
S 3164	6.1	12.8	2.8	22.8	3.3	0.1	0.4	0.1	0.2	2.2	0.7	0.2	0.2	0.2	0.03	7
S 3165	10.4	18.5	3.1	34.0	5.0	0.1	0.7	0.1	0.2	2.4	0.2	0.2	0.2	0.3	0.11	11
S 3166	4.0	8.3	3.1	17.5	2.2	0.1	0.5	0.1	0.2	1.7	0.4	0.2	0.2	0.5	0.08	5
S 3167	12.5	25.1	3.0	35.8	5.8	0.1	0.7	0.1	0.2	3.6	0.2	0.2	0.2	0.3	0.03	5
S 3168	8.1	17.9	2.6	33.9	4.3	0.2	0.5	0.1	0.6	2.3	0.2	0.2	0.2	0.3	0.03	5
S 3169	18.9	22.9	3.5	39.3	10.0	0.3	1.0	0.2	0.2	2.9	0.3	0.2	0.3	0.2	0.03	6
S 3170	5.1	9.5	3.1	18.5	2.5	0.1	0.5	0.1	0.2	0.9	0.2	0.2	0.2	0.2	0.03	6
S 3171	46.3	48.3	4.3	72.2	9.8	0.2	1.9	0.5	0.2	6.7	0.2	0.2	0.8	0.2	0.03	8
S 3172	4.8	13.2	3.4	22.8	3.4	0.1	0.7	0.1	0.2	3.2	0.2	0.2	0.2	0.5	0.03	3
S 3173	14.6	16.0	4.3	48.2	4.8	0.3	0.9	0.1	0.2	4.2	0.2	0.2	0.2	0.3	0.03	2
S 3174	30.4	14.4	3.3	22.4	3.6	0.1	1.0	1.5	0.2	3.9	0.2	0.2	0.2	0.5	0.03	11
S 3175	13.9	21.3	4.1	28.6	6.0	0.1	0.8	0.1	0.2	4.6	0.2	0.2	0.2	0.4	0.03	6
S 3176	24.6	22.6	6.3	45.0	5.7	0.2	1.3	0.1	0.2	6.1	0.2	0.2	0.2	0.5	0.03	6
S 3177	29.9	24.6	8.4	106.8	9.1	2.2	1.5	0.4	0.2	13.8	0.2	0.2	0.2	0.5	0.04	6
S 3178	34.0	35.6	7.1	101.3	10.2	0.4	1.5	0.2	0.2	11.7	0.2	0.2	0.2	0.2	0.05	7
S 3179	19.9	27.1	7.1	104.8	6.8	0.3	1.2	0.1	0.2	8.9	0.4	0.2	0.2	0.3	0.03	7
S 3180	20.1	17.1	7.9	55.1	5.7	0.3	0.9	0.1	0.2	7.4	0.2	0.2	0.2	0.4	0.03	6
S 3181	105.0	56.0	9.4	77.8	13.0	0.5	1.7	0.3	0.2	16.6	0.2	0.2	0.2	0.2	0.03	9
S 3182	219.5	85.2	13.6	103.4	16.0	0.7	2.5	0.8	0.2	15.7	0.2	0.2	0.2	0.2	0.03	6
S 3183	63.4	43.5	21.3	125.5	17.7	0.9	2.0	0.6	0.2	26.6	0.2	0.2	0.2	0.2	0.03	16
S 3184	32.2	39.4	10.6	142.6	15.2	0.6	1.6	0.3	0.2	8.7	0.2	0.2	0.2	0.2	0.03	5
S 3185	32.0	37.6	8.5	109.7	13.1	0.7	1.9	0.8	0.2	27.3	0.2	0.2	0.2	0.2	0.03	4
S 3186	38.6	29.7	15.5	130.2	11.2	0.7	3.4	0.5	0.2	31.7	0.2	0.2	0.2	0.4	0.05	6
S 3187	108.4	25.0	6.3	49.8	8.4	0.2	3.1	0.2	0.2	18.2	0.2	0.2	0.2	0.3	0.03	4
S 3188	307.7	31.2	6.2	37.3	9.1	0.1	2.8	0.2	0.2	12.3	0.3	0.2	0.2	0.4	0.03	8
S 3189	1,700.0	130.4	10.8	111.3	20.3	1.2	4.0	2.5	0.2	27.8	0.2	0.2	0.2	0.2	0.03	25
S 3190	223.6	72.9	7.9	66.8	14.3	0.7	2.7	0.7	0.2	11.8	0.2	0.2	0.5	0.2	0.07	6
S 3191	1,490.0	171.8	23.1	165.6	19.6	2.1	3.2	3.3	0.2	25.2	0.2	0.2	0.2	0.2	0.03	24
S 3192	571.1	71.9	9.5	117.5	13.1	1.4	2.6	0.8	0.2	15.8	0.2	0.2	0.2	0.2	0.03	11
S 3193	65.4	9.8	2.0	9.5	1.4	0.9	2.4	0.7	0.2	3.9	0.2	0.6	1.6	0.2	0.03	2
S 3194	66.5	41.4	14.5	157.1	17.6	1.6	2.4	0.4	0.2	46.3	0.6	0.2	0.2	0.2	0.03	8
S 3195	34.2	25.7	9.8	154.5	10.5	1.2	2.1	0.5	0.2	23.3	0.2	0.2	0.2	0.3	0.05	8
S 3196	79.0	52.0	25.2	301.8	25.6	1.8	5.3	0.9	0.2	32.8	0.3	0.2	0.2	0.2	0.03	1
S 3197	251.4	58.9	15.6	135.8	15.4	1.8	3.5	1.1	0.2	30.4	0.2	0.2	0.2	0.2	0.03	10
S 3198	91.0	40.1	13.0	113.9	10.4	1.4	3.0	0.8	0.2	23.6	0.2	0.2	0.5	0.8	0.07	6
S 3199	602.9	115.1	15.0	133.2	12.9	3.3	5.4	1.8	0.2	39.9	0.2	0.2	1.6	0.2	0.05	13
S 3200	32.7	24.9	11.1	164.1	11.1	1.1	1.8	0.4	0.2	20.1	0.2	0.2	0.2	0.6	0.12	6
S 3201	240.0	35.6	6.9	31.7	6.9	1.7	4.1	1.2	0.2	13.4	0.2	0.2	2.3	0.2	0.03	8
S 3202	35.2	29.9	5.2	42.4	8.1	1.1	2.2	0.2	0.2	5.6	0.2	0.2	0.2	0.7	0.03	2
S 3203	33.2	41.4	5.2	50.1	10.0	0.4	1.5	0.2	0.2	7.4	0.2	0.2	0.2	0.8	0.03	5
S 3204	78.6	56.8	19.8	125.1	10.1	1.2	2.1	0.4	0.2	8.8	0.2	0.2	0.4	0.4	0.03	4

EAGLE	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb
S 3205	280.6	98.5	102.7	178.4	11.0	8.0	2.3	1.6	0.2	13.1	0.2	0.2	1.2	1.0	0.03	1
S 3206	12.8	21.1	3.9	39.2	5.1	0.3	1.0	0.1	0.2	3.8	0.2	0.2	0.2	0.9	0.03	4
S 3207	2,580.0	103.3	20.6	362.3	23.2	38.0	5.8	3.6	0.2	17.2	0.3	0.2	1.1	0.9	0.09	4
S 3208	532.3	79.5	69.3	429.2	14.7	10.1	2.5	1.6	0.2	11.3	0.2	0.2	0.2	0.6	0.03	3
S 3209	220.6	51.3	26.3	105.3	12.0	1.4	3.0	0.6	0.2	11.3	0.5	0.2	0.2	0.6	0.03	9
S 3211	29.1	26.3	5.2	60.5	8.9	0.7	1.6	0.3	0.2	4.6	0.2	0.2	0.2	0.7	0.03	5
S 3212	50.2	20.0	8.4	112.6	7.2	1.0	1.1	1.0	0.2	3.1	0.2	0.2	0.3	0.9	0.03	8
S 3213	15.5	30.7	4.2	39.3	6.3	0.1	1.2	0.1	0.2	5.5	0.2	0.2	0.2	0.9	0.03	3
S 3214	14.4	30.0	4.1	37.7	6.9	0.1	1.1	0.1	0.2	5.0	0.2	0.2	0.2	0.7	0.03	1
S 3215	11.2	18.0	4.1	25.8	4.3	0.2	1.2	0.1	0.2	4.4	0.2	0.2	0.2	1.1	0.03	4
S 3216	121.2	16.2	7.1	86.4	15.9	0.2	2.5	0.2	0.2	5.7	0.3	0.2	0.2	0.7	0.03	6
S 3217	100.9	6.4	6.2	48.3	14.7	0.3	3.2	0.3	0.2	3.0	0.2	0.2	0.2	0.5	0.03	2
S 3218	2,940.0	51.4	4.3	38.6	7.3	0.3	2.3	0.7	0.2	6.2	0.2	0.2	1.3	0.6	0.03	4
S 3219	91.9	6.3	7.5	60.6	7.8	0.6	1.4	0.7	0.2	2.6	0.2	0.2	0.9	0.2	0.03	1
S 3220	80.1	17.9	6.6	23.2	3.5	0.7	3.3	0.2	0.2	5.5	0.2	0.2	0.2	0.8	0.03	2
S 3221	30.5	4.1	5.4	37.8	4.5	0.4	0.8	0.1	0.2	0.2	0.2	0.2	0.2	0.8	0.08	10
S 3222	65.4	2.4	6.8	34.4	2.5	0.3	1.1	0.4	0.2	0.3	0.2	0.2	0.2	0.2	0.04	14
S 3223	5,550.0	107.8	11.9	124.4	156.4	0.1	3.5	2.7	0.2	19.9	0.4	0.2	0.2	0.2	0.04	24
S 3224	129.4	6.8	7.4	74.9	21.7	0.1	1.9	0.5	0.2	16.1	0.2	0.2	0.2	0.7	0.03	16
S 3225	423.4	24.4	9.4	88.9	29.3	0.2	2.9	0.5	0.2	8.1	0.2	0.2	0.2	0.2	0.03	10
S 3226	583.9	22.2	6.6	135.2	37.5	0.1	1.7	0.4	0.2	2.7	0.2	0.2	0.2	0.3	0.03	5
S 3227	527.1	57.3	9.1	133.5	44.7	0.6	2.1	0.7	0.2	10.7	0.2	0.2	0.2	0.4	0.03	*
S 3228	886.5	122.0	10.4	115.3	23.4	0.5	2.9	2.5	0.2	20.6	0.2	0.2	0.2	0.2	0.07	18
S 3229	22.7	16.9	3.3	50.4	6.7	0.9	0.8	0.2	0.2	1.9	0.2	0.2	0.2	0.2	0.03	4
S 3230	87.0	32.4	5.7	51.5	10.1	0.1	1.6	0.1	0.2	9.8	0.2	0.2	0.2	0.3	0.03	16
S 3231	46.7	63.4	4.3	47.3	10.0	0.1	0.9	0.1	0.2	7.1	0.6	0.2	0.2	0.5	0.03	5
S 3232	40.9	27.6	4.1	38.9	7.9	0.3	1.0	0.2	0.2	4.3	0.2	0.2	0.2	0.2	0.03	9
S 3233	423.1	39.8	3.0	25.2	4.1	0.9	2.7	0.6	0.2	5.0	0.2	0.2	1.2	0.2	0.03	4
S 3234	764.4	24.2	7.5	61.4	36.6	0.4	10.1	1.1	0.2	11.9	0.2	0.2	0.2	0.8	0.03	4
S 3235	316.5	10.0	11.4	122.8	19.3	0.2	5.7	1.5	0.2	7.3	0.8	0.2	0.2	0.7	0.03	48
S 3236	169.9	6.4	7.7	68.5	14.5	0.4	3.0	1.8	0.2	3.4	0.2	0.2	0.2	0.2	0.07	8
S 3237	10.9	12.3	4.2	26.6	3.5	0.2	0.9	0.1	1.9	2.9	0.2	0.2	0.2	0.9	0.05	2
S 3238	198.4	89.3	6.7	91.9	18.1	0.6	3.3	1.8	0.2	11.4	0.3	0.2	0.3	0.4	0.03	1
S 3239	5.8	13.0	3.5	26.3	4.1	0.2	0.6	0.1	0.2	2.0	0.4	0.2	0.3	1.0	0.05	1
S 3240	5.5	12.8	3.6	19.4	3.4	0.1	0.5	0.1	0.2	3.7	0.2	0.2	0.2	0.8	0.06	3
S 3241	6.4	13.8	3.6	20.2	3.2	0.1	0.7	0.1	0.2	3.4	0.2	0.2	0.2	0.7	0.03	1
S 3242	16.2	21.1	4.3	34.1	7.1	0.1	1.0	0.1	0.2	4.8	0.2	0.2	0.2	0.6	0.03	28
S 3243	126.9	44.1	5.2	66.1	10.1	0.5	1.3	0.4	0.2	7.2	0.2	0.2	1.7	0.8	0.05	1
S 3244	36.4	28.6	6.2	48.5	12.5	0.2	1.3	0.3	0.2	5.8	0.2	0.3	0.2	0.8	0.06	3
S 3245	29.7	19.7	5.4	36.9	9.4	0.2	1.1	0.1	0.2	4.8	0.2	0.2	0.2	0.8	0.08	9
S 3246	34.0	25.2	4.0	38.1	8.4	0.1	1.0	0.4	0.2	5.7	0.5	0.2	0.2	0.5	0.07	4
S 3247	25.8	20.0	6.1	52.9	7.7	0.2	1.4	0.5	0.2	6.7	0.7	0.2	0.2	0.7	0.07	5
S 3248	4.5	9.6	3.0	15.3	2.6	0.1	0.6	0.2	0.2	1.6	0.4	0.2	0.2	0.7	0.03	1
S 3249	27.6	16.4	6.3	68.8	9.6	0.1	1.4	0.5	0.2	4.4	0.8	0.4	0.4	0.6	0.09	4
S 3250	40.9	22.9	6.0	65.8	9.0	0.1	1.5	0.2	0.2	6.9	0.3	0.2	0.2	0.5	0.04	4
S 3251	75.5	30.9	6.7	71.7	10.6	0.2	2.4	0.3	0.2	10.1	0.8	0.2	0.2	0.8	0.03	3
S 3252	7.7	12.6	6.1	53.4	6.8	0.3	1.0	0.2	0.2	5.2	0.3	0.2	0.2	0.9	0.03	3
S 3253	14.4	13.6	5.1	42.7	4.9	0.2	1.3	0.1	0.2	6.8	0.2	0.2	0.2	1.0	0.03	4
S 3254	9.6	11.7	6.3	54.1	6.2	0.2	1.0	0.1	0.2	5.6	0.4	0.2	0.2	1.0	0.06	1
S 3255	16.6	16.8	7.7	77.7	6.1	0.3	1.6	0.3	0.2	9.3	0.2	0.2	0.2	0.8	0.03	10
S 3256	23.3	25.2	6.5	57.7	6.1	0.3	1.2	0.2	0.2	11.8	0.2	0.4	0.2	0.2	0.04	9
S 3257	20.1	21.3	6.5	138.6	9.5	0.5	1.7	0.4	0.2	10.4	0.9	0.4	0.4	0.2	0.04	2

EAGLE	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb
S 3258	21.3	27.7	6.6	83.3	8.7	0.4	1.7	0.3	0.2	16.1	0.9	0.2	0.2	0.5	0.03	14
S 3259	8.8	12.5	6.4	51.7	4.9	0.2	1.0	0.1	0.2	5.8	0.2	0.2	0.2	0.4	0.04	1
S 3260	4.9	7.8	5.9	33.5	2.5	0.3	0.6	0.1	0.7	3.2	0.2	0.2	0.2	0.9	0.09	2
S 3261	16.0	15.8	6.4	82.9	5.8	0.6	1.6	0.7	0.2	8.0	0.8	0.2	0.2	0.7	0.06	2
S 3262	22.0	22.7	9.3	177.3	10.8	0.9	1.9	0.4	0.2	10.3	0.4	0.2	0.6	1.0	0.03	4
S 3263	1,780.0	119.5	12.9	270.2	21.3	3.4	3.9	1.3	0.2	11.8	0.4	0.2	0.8	1.0	0.07	8
S 3264	7.6	4.7	7.3	38.0	2.0	0.7	0.6	0.1	0.2	1.1	0.2	0.2	0.2	0.8	0.09	1
S 3265	111.4	12.6	5.8	139.1	5.2	1.0	1.2	0.5	0.2	1.7	0.2	0.2	0.2	0.6	0.03	3
S 3266	94.1	45.3	8.2	72.5	13.3	0.4	1.8	0.2	0.2	13.5	0.2	0.2	0.2	1.0	0.05	45
S 3267	157.8	17.5	4.8	37.0	5.1	1.8	1.1	0.6	0.2	3.6	0.2	0.2	0.2	0.9	0.03	4
S 3268	191.0	46.9	6.8	76.1	11.4	0.6	1.6	0.3	0.2	8.8	0.2	0.2	0.3	1.1	0.03	11
S 3269	1,570.0	73.1	11.3	102.0	9.4	4.3	2.4	1.2	0.2	8.1	0.2	0.2	0.3	0.9	0.03	12
S 3270	156.0	57.2	6.2	72.5	13.3	0.4	1.8	0.4	0.2	7.7	0.3	0.2	0.2	1.0	0.03	8
S 3271	86.4	42.4	5.4	64.7	10.8	0.5	1.5	0.3	0.2	6.9	0.2	0.2	0.2	0.7	0.03	6
S 3272	1,310.0	93.1	13.3	114.3	17.3	1.7	3.1	2.0	0.2	18.0	0.2	0.2	0.2	0.5	0.04	16
S 3273	890.0	60.7	8.4	63.6	11.9	1.1	2.3	1.5	0.2	10.4	0.2	0.2	1.6	1.0	0.03	8
S 3274	46.1	28.0	3.5	31.9	7.9	0.1	0.8	0.1	0.2	4.6	0.2	0.2	0.2	0.7	0.09	4
S 3275	833.9	67.9	10.2	126.9	18.8	1.1	2.1	0.9	0.2	12.4	0.2	0.2	0.2	1.1	0.03	6
S 3276	1,960.0	30.2	2.6	39.7	1.3	1.3	0.9	0.4	0.2	2.3	0.2	0.2	1.4	1.1	0.03	4
S 3277	156.7	45.9	7.4	110.1	11.7	1.4	1.3	0.9	0.2	7.2	0.2	0.2	0.2	0.7	0.03	6
S 3278	33.0	26.2	10.6	207.1	12.7	0.7	1.4	0.4	0.2	13.6	0.5	0.3	0.2	1.1	0.03	20
S 3279	16.8	14.6	8.1	130.5	8.7	0.6	1.3	0.3	0.2	5.0	0.3	0.2	0.2	0.5	0.11	1
S 3280	75.1	37.4	7.6	123.4	9.9	0.5	2.0	0.3	0.2	12.3	0.7	0.2	0.2	0.3	0.11	4
S 3281	87.2	35.0	9.6	171.1	14.4	0.5	1.7	0.6	0.2	11.3	0.2	0.2	0.2	0.5	0.08	4
S 3282	112.1	41.5	9.4	161.0	15.1	0.5	1.6	0.3	0.2	11.5	0.2	0.2	0.2	0.2	0.03	5
S 3283	59.2	23.4	7.3	101.9	10.0	0.5	1.4	0.5	0.2	7.6	0.4	0.2	0.2	0.2	0.16	3
S 3284	12.5	6.9	5.6	32.2	2.9	0.2	0.5	0.1	0.2	2.8	0.2	0.2	0.2	0.4	0.03	1
S 3285	93.9	29.7	6.7	85.1	10.9	0.4	1.2	0.2	0.2	9.0	0.2	0.2	0.2	0.2	0.03	9
S 3286	58.7	21.6	6.3	60.4	9.9	0.4	1.0	0.3	0.2	6.9	0.2	0.2	0.2	0.2	0.03	1
S 3287	28.9	17.5	6.5	61.5	6.6	0.3	0.8	0.2	0.2	3.7	0.2	0.2	0.2	0.3	0.08	1
S 3288	57.5	22.4	7.0	78.9	9.5	0.4	1.0	0.4	0.2	6.4	0.2	0.2	0.2	0.4	0.03	3
S 3289	13.1	16.3	4.4	40.2	5.1	0.2	0.5	0.1	0.2	3.7	0.5	0.2	0.2	0.5	0.03	2
S 3290	65.7	62.4	10.7	198.0	14.4	2.9	2.2	1.5	0.2	5.4	0.2	0.2	0.2	0.2	0.03	1
S 3291	13.2	3.2	1.9	21.9	0.6	0.8	1.3	0.3	0.2	1.3	0.2	0.3	1.0	0.4	0.03	1
S 3292	42.1	9.9	3.4	9.6	1.1	1.3	1.1	0.6	0.2	1.9	0.2	1.2	2.7	0.2	0.03	1
S 3293	51.7	39.7	5.7	81.3	11.1	1.1	1.3	0.5	0.2	7.1	0.2	0.2	0.2	0.2	0.03	2
S 3294	63.7	71.0	5.6	100.5	12.9	1.9	1.4	0.7	0.2	7.7	0.2	0.2	0.2	0.2	0.06	1
S 3295	43.6	77.7	3.5	51.2	5.5	2.3	1.8	0.4	0.2	5.4	0.2	0.6	1.5	0.3	0.03	1
S 3296	40.1	47.3	3.3	52.3	6.4	1.5	1.4	0.4	0.2	5.8	0.2	0.6	1.1	0.2	0.03	2
S 3297	336.8	8.9	3.9	10.6	7.1	1.4	4.6	2.2	0.2	5.5	0.2	0.2	3.4	0.2	0.03	1
S 3298	135.0	5.7	2.4	14.7	4.8	1.2	3.1	1.9	2.5	2.5	0.2	1.4	1.7	0.2	0.03	8
S 3299	246.3	20.1	7.1	59.5	14.2	1.1	5.5	1.3	0.2	14.2	0.2	0.2	0.2	0.2	0.05	8
S 3300	65.8	10.4	8.7	59.5	18.3	0.7	4.4	0.8	0.2	10.0	0.2	0.3	0.2	0.3	0.05	4
S 3301	60.7	13.0	8.8	48.6	9.2	0.2	1.9	0.3	0.2	10.2	0.2	0.2	0.2	0.7	0.03	11
S 3302	54.1	4.2	6.2	59.0	8.0	0.5	2.9	0.5	0.2	9.6	0.2	0.5	0.2	0.2	0.03	1
S 3303	30.4	8.9	7.6	39.4	6.4	0.2	1.7	0.2	0.2	7.1	0.2	0.2	0.2	0.5	0.03	1
S 3304	85.3	12.2	8.4	60.9	18.8	0.4	5.8	0.5	0.2	10.1	0.2	0.2	0.2	0.2	0.03	7
S 3305	47.5	8.2	6.5	39.1	7.1	0.2	5.0	0.2	0.2	10.0	0.2	0.2	0.2	0.3	0.06	12
S 3306	390.3	15.2	7.4	45.4	13.1	0.2	6.6	0.4	0.2	20.6	0.9	0.2	0.2	0.2	0.04	22
S 3307	155.8	8.5	5.7	33.6	6.2	0.2	2.0	0.5	0.2	13.3	0.2	0.2	0.2	0.2	0.03	11
S 3308	38.2	4.0	5.7	34.4	6.0	0.2	0.8	0.2	0.2	9.0	0.2	0.3	0.2	0.2	0.08	9
S 3309	646.9	9.5	5.4	36.1	17.0	1.5	3.5	1.1	0.2	84.3	0.2	0.2	1.4	0.2	0.03	6

EAGLE	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb
S 3310	282.3	3.1	2.7	9.9	10.9	1.4	2.0	1.3	0.2	27.4	0.2	0.6	1.1	0.2	0.03	1
S 3311	406.8	3.4	4.5	22.6	18.1	1.8	2.5	1.2	0.2	71.1	0.2	0.2	1.1	0.2	0.03	1
S 3312	71.8	10.6	6.9	46.2	7.4	0.4	2.3	0.5	0.2	32.0	0.3	0.2	0.2	0.9	0.05	7
S 3313	46.8	8.4	5.3	30.8	5.2	0.3	1.0	0.3	0.2	8.3	0.2	0.2	0.2	0.2	0.03	2
S 3314	524.4	11.8	5.5	51.9	21.3	2.2	2.4	0.9	0.2	228.0	0.2	0.2	0.2	0.4	0.06	6
S 3315	42.8	8.8	7.0	33.6	7.6	0.3	1.5	0.5	0.2	12.9	0.2	0.2	0.2	0.4	0.03	8
S 3316	67.7	12.8	7.4	41.8	7.5	0.2	1.5	0.6	0.2	8.4	0.2	0.2	0.2	0.4	0.03	2
S 3317	99.4	11.7	6.4	35.9	9.6	0.2	1.6	0.5	0.6	11.7	0.3	0.2	0.2	0.3	0.05	7
S 3318	61.7	8.2	7.4	28.5	5.4	0.3	1.0	0.2	0.2	25.9	0.2	0.2	0.2	0.3	0.05	8
S 3319	490.9	13.9	6.2	62.5	28.6	0.6	1.8	0.7	0.2	61.7	0.2	0.2	0.2	0.3	0.05	11
S 3320	34.0	4.1	6.0	25.7	4.7	0.2	1.0	0.6	0.2	14.9	0.2	0.2	0.2	0.7	0.03	5
S 3321	46.7	6.0	6.0	18.1	2.2	0.1	0.9	0.4	0.2	8.2	0.5	0.2	0.2	0.2	0.07	12
S 3322	29.9	8.9	6.6	40.9	7.1	0.1	1.3	0.2	0.2	5.4	0.5	0.2	0.2	0.6	0.03	3
S 3323	26.2	12.8	5.8	43.4	5.6	0.3	1.1	0.2	0.2	6.8	0.2	0.2	0.2	0.4	0.05	4
S 3324	224.1	7.8	8.1	62.1	9.0	0.7	3.5	0.2	0.2	53.4	0.2	0.2	0.2	0.6	0.03	6
S 3325	5,620.0	6.3	7.2	43.8	53.4	0.6	19.0	1.4	0.2	4.6	0.2	0.2	3.4	0.4	0.03	16
S 3326	90.5	9.7	7.3	45.4	9.2	0.3	3.0	0.3	0.2	11.2	0.2	0.2	0.2	0.3	0.03	7
S 3327	57.9	16.6	9.6	83.7	9.9	0.5	1.8	0.4	0.2	11.0	0.4	0.2	0.2	0.2	0.03	6
S 3328	37.1	13.3	9.3	58.1	7.9	0.4	1.8	0.3	0.2	5.5	0.3	0.2	0.2	0.2	0.03	8
S 3329	52.6	13.1	11.3	69.3	9.5	0.4	4.5	0.2	0.2	10.1	0.2	0.2	0.2	0.4	0.03	3
S 3330	209.7	30.0	23.0	62.8	14.8	0.2	1.7	0.2	0.2	11.3	0.2	0.2	0.2	0.2	0.03	10
S 3331	106.3	17.2	9.9	77.7	13.3	0.3	2.4	0.2	0.2	12.2	0.2	0.2	0.2	0.2	0.03	8
S 3332	184.9	17.6	7.3	81.9	23.2	0.4	1.6	0.4	0.2	17.6	0.2	0.2	0.2	0.2	0.03	11
S 3333	71.6	12.5	7.1	144.1	16.2	1.0	1.2	0.5	0.2	4.9	0.2	0.2	0.2	0.2	0.03	8
S 3334	51.7	11.2	10.6	77.3	12.8	0.4	2.1	0.4	0.2	9.1	0.2	0.2	0.2	0.2	0.03	8
S 3335	51.8	13.2	6.9	85.3	14.9	0.2	1.7	0.4	0.2	7.5	0.2	0.2	0.2	0.2	0.03	8
S 3336	107.0	13.7	9.0	91.1	12.7	0.3	1.8	0.3	0.2	10.9	0.2	0.2	0.2	0.2	0.03	9
S 3337	118.5	17.0	7.4	99.6	16.6	0.2	1.3	0.4	0.2	15.7	0.5	0.2	0.2	0.3	0.11	10
S 3338	32.0	6.2	6.9	59.0	12.5	0.2	1.1	0.6	0.2	6.9	0.2	0.2	0.2	0.2	0.03	14
S 3339	31.7	12.5	6.7	47.0	6.9	0.2	1.6	0.2	0.2	11.2	0.2	0.2	0.2	0.4	0.03	14
S 3340	76.0	17.4	7.4	69.4	9.3	0.3	1.7	0.3	0.2	22.8	0.2	0.2	0.8	0.2	0.03	12
S 3341	110.2	24.6	7.3	77.4	17.7	0.6	2.0	0.6	0.2	83.2	0.7	0.2	0.2	0.2	0.03	11
S 3342	182.9	25.7	6.0	57.0	16.9	0.6	2.6	0.4	0.2	92.0	0.9	0.2	0.5	0.2	0.03	23
S 3343	146.5	22.0	5.4	57.4	13.5	0.4	1.8	0.3	0.2	37.7	0.3	0.2	0.2	0.2	0.03	13
S 3344	24.5	12.3	5.9	38.5	6.9	0.2	1.5	0.3	0.2	7.1	0.2	0.2	0.2	0.6	0.03	4
S 3345	257.4	25.2	7.8	55.7	15.5	0.5	2.6	0.3	0.2	60.3	0.2	0.2	0.2	0.2	0.03	13
S 3346	1,680.0	22.4	44.0	60.5	21.7	1.0	3.6	0.6	0.2	108.4	0.2	0.2	0.3	0.2	0.03	25
S 3347	303.5	18.5	7.5	55.9	9.5	0.2	3.7	0.3	0.2	21.1	0.5	0.2	0.2	0.2	0.03	21
S 3349	610.5	25.6	5.7	61.2	11.8	0.3	2.4	0.3	0.2	12.1	0.6	0.2	0.2	0.2	0.03	9
S 3350	43.6	16.3	6.1	45.1	8.9	0.3	2.4	0.3	0.2	7.8	0.9	0.2	0.2	0.2	0.03	2
S 3351	651.6	21.8	6.4	54.0	16.0	0.2	2.4	0.5	0.2	21.7	0.2	0.2	0.2	0.2	0.03	58
S 3352	62.6	16.1	6.7	52.8	18.0	0.3	3.9	0.4	0.2	5.2	0.2	0.2	0.2	0.2	0.03	2
S 3353	44.5	24.2	6.1	55.1	8.7	0.2	2.0	0.3	0.2	12.3	0.6	0.2	0.2	0.2	0.03	6
S 3354	35.2	8.2	5.9	29.3	6.4	0.2	2.0	0.2	0.2	5.9	0.2	0.2	0.2	0.2	0.03	7
S 3355	513.5	5.8	2.2	25.2	3.3	1.3	3.1	0.8	0.2	4.6	0.2	0.2	2.4	0.2	0.03	1
S 3356	11.3	4.5	7.2	26.7	3.5	0.1	2.7	0.1	0.2	3.7	0.2	0.2	0.2	0.3	0.03	1
S 3357	23.1	6.2	6.4	23.8	3.4	0.1	2.3	0.3	0.2	4.1	0.5	0.2	0.2	0.3	0.03	10
S 3358	120.9	16.5	12.8	55.0	11.2	0.2	3.2	1.0	0.2	13.3	0.6	0.2	0.2	0.2	0.03	11
S 3359	67.6	7.3	5.9	39.9	5.4	0.2	1.9	0.1	0.2	4.2	0.2	0.2	0.2	0.2	0.03	1
S 3360	58.9	24.0	7.4	59.6	9.2	0.2	2.3	0.3	0.2	14.1	0.2	0.2	0.2	0.2	0.03	6
S 3361	23.4	10.6	5.5	32.5	4.3	0.2	0.9	0.2	0.2	4.1	0.2	0.2	0.2	0.2	0.03	4
S 3362	14.9	7.3	7.0	30.9	4.2	0.1	1.0	0.2	0.2	4.3	0.2	0.2	0.2	0.4	0.03	1

EAGLE	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb
S 3363	47.7	13.5	8.8	51.7	7.8	0.2	1.7	0.4	0.2	6.9	0.2	0.2	0.2	0.2	0.03	6
S 3364	26.1	8.2	6.2	35.0	5.6	0.1	0.9	0.2	0.2	3.0	0.2	0.2	0.2	0.5	0.04	5
S 3365	20.8	12.5	7.4	40.6	6.3	0.1	1.0	0.1	0.2	5.6	0.2	0.2	0.2	0.2	0.03	6
S 3366	40.3	13.8	8.4	40.7	7.7	0.1	1.3	0.2	0.2	5.5	0.2	0.2	0.2	0.2	0.03	4
S 3367	110.3	27.5	5.5	49.9	8.1	0.1	2.0	0.2	0.2	9.1	0.3	0.2	0.2	0.2	0.03	5
S 3368	42.4	8.8	8.9	18.2	3.6	0.1	0.8	0.1	0.2	1.5	0.2	0.2	0.2	0.2	0.03	11
S 3369	27.2	11.3	8.5	44.2	4.3	0.2	1.2	0.1	0.2	6.6	0.2	0.2	0.2	0.2	0.03	4
S 3370	253.0	25.1	7.0	49.4	10.9	1.0	2.5	2.8	0.2	7.5	0.2	0.2	1.3	0.2	0.05	4
S 3371	347.3	23.2	5.5	55.5	8.1	1.7	2.7	1.7	0.2	5.3	0.2	0.2	2.3	0.2	0.06	8
S 3372	136.9	26.0	10.6	169.7	22.9	1.7	2.2	0.9	0.2	5.3	0.2	0.2	0.7	0.2	0.03	30
S 3373	44.4	20.1	6.2	74.4	12.4	0.3	1.4	0.1	0.2	5.9	0.2	0.2	0.2	0.2	0.03	9
S 3374	9.1	7.7	6.0	24.1	3.2	0.1	0.8	0.1	0.2	2.5	0.2	0.2	0.2	0.4	0.04	2
S 3375	23.6	25.3	5.9	54.5	7.0	0.2	1.6	0.2	0.2	16.2	0.2	0.2	0.2	0.2	0.03	6
S 3376	66.3	2.3	2.9	7.2	1.7	0.3	2.3	0.1	0.2	7.4	0.2	0.6	0.9	0.5	0.03	*
S 3377	36.9	15.9	6.1	40.1	7.5	0.2	1.4	0.3	0.2	7.0	0.2	0.2	0.2	0.2	0.03	9
S 3378	28.4	19.8	7.0	50.3	6.9	0.2	1.4	0.2	0.2	7.9	0.2	0.2	0.2	0.2	0.06	5
S 3379	27.6	30.1	5.4	50.2	6.0	0.2	1.4	0.2	0.2	9.2	0.2	0.2	0.2	0.2	0.03	1
S 3380	173.0	30.4	5.9	52.8	25.9	0.1	1.3	0.5	0.2	17.5	0.2	0.2	0.2	0.2	0.03	11
S 3381	11.0	10.2	6.0	26.9	2.7	0.1	1.5	0.1	0.2	6.8	0.2	0.2	0.2	0.2	0.03	6
S 3382	26.1	9.4	6.4	30.3	4.4	0.2	1.0	0.1	0.2	3.5	0.3	0.2	0.2	0.2	0.04	2
S 3383	304.4	41.8	8.3	64.4	16.6	0.5	1.9	0.5	0.2	10.2	0.2	0.2	0.2	0.2	0.04	6
S 3384	120.3	52.3	9.0	72.5	13.1	0.9	1.6	0.8	0.2	9.7	0.2	0.2	1.2	0.2	0.03	1
S 3385	189.7	39.1	16.7	66.9	13.9	0.3	1.4	0.3	0.2	8.8	0.2	0.2	0.2	0.2	0.03	3
S 3386	4,480.0	19.3	9.8	82.4	28.9	1.0	1.5	1.8	0.2	8.4	0.2	0.2	2.4	0.2	0.11	16
S 3387	164.2	11.7	6.6	93.8	17.4	0.3	1.8	0.3	0.2	6.4	0.2	0.4	0.9	0.2	0.04	1
S 3388	679.6	39.8	11.1	92.6	24.1	0.5	2.2	0.6	0.2	11.4	0.2	0.2	0.7	0.2	0.03	1
S 3389	28.7	6.7	5.7	48.9	5.3	0.3	1.0	0.2	0.2	2.8	0.2	0.4	0.2	0.4	0.03	*
S 3390	22.5	6.8	6.3	47.7	6.2	0.2	1.7	0.1	0.2	1.8	0.2	0.3	0.3	0.2	0.03	14
S 3391	14.5	12.8	5.9	27.9	3.5	0.1	1.6	0.1	0.2	9.9	0.2	0.2	0.2	0.5	0.03	8
S 3392	64.0	12.9	8.1	75.9	12.3	0.2	3.0	0.5	0.2	9.8	0.4	0.3	0.2	0.8	0.03	36
S 3393	50.8	7.9	9.4	26.6	3.3	0.1	3.1	0.1	0.2	5.8	0.5	0.3	0.2	0.4	0.08	22
S 3394	122.6	15.0	15.4	60.2	11.1	0.1	1.9	0.6	0.2	5.6	0.6	0.2	0.2	0.2	0.03	8
S 3395	83.8	19.5	11.9	71.6	10.2	0.2	2.2	0.3	0.2	10.1	0.7	0.4	0.2	0.2	0.05	6
S 3396	39.3	13.1	7.5	58.7	9.1	0.1	1.5	0.2	0.2	6.1	0.5	0.8	0.2	0.7	0.03	10
S 3397	77.9	18.0	9.1	78.3	14.6	0.1	2.0	0.1	0.2	7.6	0.2	0.4	0.2	0.2	0.10	9
S 3398	81.1	12.0	7.9	120.1	18.2	0.2	1.6	0.4	0.2	4.9	0.2	0.2	0.4	0.5	0.07	6
S 3399	54.2	21.5	6.9	83.4	8.9	0.3	2.6	0.4	0.2	12.0	0.7	0.5	0.2	0.4	0.03	4
S 3400	26.1	9.2	6.9	52.2	7.1	0.1	0.9	0.1	0.2	2.6	0.2	0.3	0.2	0.5	0.03	8
S 3401	62.5	8.1	7.1	55.8	9.7	0.2	3.3	0.3	0.2	4.0	0.2	0.2	0.2	0.4	0.03	8
S 3402	40.8	14.1	8.9	69.9	10.1	0.4	1.2	0.3	0.2	6.4	0.2	0.5	1.3	0.6	0.03	6
S 3403	117.4	22.4	6.8	76.2	13.2	0.2	1.6	0.5	0.2	8.1	0.3	0.4	0.2	0.2	0.03	7
S 3404	60.1	9.4	8.8	59.1	7.4	0.2	2.0	0.4	0.2	5.7	0.2	1.0	0.4	0.5	0.03	5
S 3405	265.8	15.3	6.1	47.9	9.9	1.0	2.3	1.3	0.2	6.0	0.2	0.2	0.2	0.2	0.03	20
S 3406	89.3	33.6	7.1	88.2	14.8	0.3	1.4	0.4	0.2	9.2	0.2	0.2	0.2	0.2	0.03	5
S 3407	179.6	28.8	7.2	106.3	10.5	0.4	1.6	0.4	0.2	30.2	0.2	0.3	0.2	0.2	0.03	2
S 3408	348.4	31.7	7.1	76.9	16.3	0.8	2.3	1.1	0.2	8.6	0.2	0.2	0.5	0.4	0.03	3
S 3409	236.4	18.8	6.3	53.0	12.5	0.1	1.2	0.2	0.2	8.9	0.2	0.2	0.2	0.5	0.03	14
S 3410	118.0	23.9	7.3	50.7	8.1	0.1	1.6	0.2	0.2	9.0	0.2	0.3	0.2	0.2	0.03	4
S 3411	213.1	24.8	6.7	68.0	11.6	0.1	1.1	0.2	0.2	7.1	0.2	0.2	0.2	0.2	0.03	6
S 3412	101.3	19.2	6.3	48.1	9.0	0.2	1.0	0.2	0.2	5.0	0.2	0.2	0.2	0.7	0.03	2
S 3413	1,620.0	35.8	9.3	72.4	15.4	1.6	1.6	1.3	0.2	10.1	0.2	0.2	1.0	0.3	0.03	1
S 3414	229.8	34.6	6.7	53.3	14.9	0.1	2.4	0.3	0.2	10.1	0.7	0.2	1.2	0.2	0.12	2

EAGLE	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb
S 3415	85.0	25.8	6.1	62.9	8.7	0.2	1.2	0.2	0.2	8.2	0.2	0.4	0.2	0.5	0.03	4
S 3416	214.8	25.0	7.5	88.4	11.8	0.2	1.8	0.2	0.2	8.2	0.4	0.2	0.4	0.2	0.03	4
S 3417	34.6	10.8	7.1	84.3	10.4	0.1	1.6	0.3	0.2	4.9	0.7	0.7	0.2	0.6	0.03	5
S 3418	75.6	12.6	7.9	86.5	15.2	0.1	2.5	0.1	0.2	9.0	0.7	0.9	0.2	0.5	0.03	7
S 3419	43.5	6.8	7.4	45.9	7.3	0.1	1.1	0.2	0.2	2.7	0.2	0.2	0.2	0.7	0.03	3
S 3420	642.9	9.3	10.8	87.7	25.3	0.1	4.8	0.1	0.2	18.1	1.1	1.9	0.2	0.5	0.03	32
S 3421	49.0	8.6	9.5	41.5	6.9	0.3	2.3	0.8	0.2	5.0	0.2	0.4	0.2	0.8	0.03	10
S 3422	122.3	18.1	12.5	67.2	12.1	0.1	2.0	0.2	0.2	6.9	0.8	0.3	0.2	0.2	0.03	8
S 3423	88.8	16.5	9.7	59.7	10.5	0.2	1.8	0.4	0.2	6.0	1.2	0.3	0.6	0.2	0.05	9
S 3424	105.2	15.4	9.5	48.1	9.7	0.2	1.6	0.3	0.2	6.9	0.9	0.2	0.2	0.4	0.06	12
S 3425	113.3	16.0	8.6	62.5	9.9	0.3	2.2	0.3	0.2	11.0	0.2	0.2	0.2	0.3	0.06	8
S 3426	47.4	8.7	7.2	36.1	7.1	0.1	1.3	0.2	0.2	3.4	0.6	0.2	0.2	0.3	0.03	10
S 3427	49.5	17.7	6.4	41.6	7.4	0.1	1.7	0.1	0.2	6.1	0.7	0.2	0.2	0.2	0.04	8
S 3428	25.7	8.5	7.6	29.0	3.7	0.1	0.9	0.1	0.2	1.9	0.6	0.2	0.2	0.2	0.03	12
S 3429	59.5	15.4	6.2	38.5	6.9	0.2	1.3	0.4	0.2	7.0	0.3	0.2	0.8	0.4	0.03	16
S 3430	118.7	13.2	8.4	31.1	5.3	0.3	1.1	0.6	0.2	2.0	0.5	0.2	0.8	0.2	0.03	2
S 3431	106.0	20.6	14.5	126.3	10.3	0.3	1.4	0.8	0.2	15.4	0.2	1.3	0.2	0.7	0.03	12
S 3432	84.0	29.8	8.0	57.7	8.7	0.2	1.5	0.2	0.2	10.1	0.5	0.5	0.2	0.2	0.09	6
S 3433	54.1	23.7	8.1	49.2	7.3	0.3	1.5	0.4	0.2	8.8	0.2	0.5	0.2	0.7	0.08	3
S 3434	88.7	19.6	6.5	43.5	7.4	0.1	1.4	0.3	0.2	9.1	1.0	0.2	0.2	0.2	0.04	4
S 3435	170.3	25.8	5.1	69.2	24.9	0.5	1.4	0.4	0.2	78.2	0.8	0.2	0.2	0.2	0.05	4
S 3436	207.2	28.8	12.5	78.6	10.7	0.2	2.0	0.5	0.2	12.5	1.6	0.4	0.2	0.2	0.10	12
S 3437	169.0	20.9	8.5	72.6	11.2	0.1	1.4	0.4	0.2	5.3	0.2	0.3	0.2	0.2	0.03	10
S 3438	167.3	25.5	6.6	55.5	8.6	0.1	1.4	0.4	0.2	5.8	0.5	0.2	0.2	0.2	0.11	8
S 3439	93.1	24.3	8.3	66.2	7.6	0.2	1.3	0.3	0.2	7.1	1.2	0.2	0.2	0.2	0.03	4
S 3440	95.8	35.0	6.9	67.1	9.0	0.2	1.5	0.4	0.2	10.4	1.1	0.2	0.5	0.2	0.08	6
S 3441	202.0	47.7	7.1	77.0	11.3	0.2	1.6	0.4	0.2	10.0	1.0	0.2	0.2	0.2	0.03	2
S 3442	398.2	30.0	7.2	69.0	13.8	0.5	1.3	0.8	0.2	6.3	0.2	0.2	1.0	0.2	0.03	6
S 3443	40.2	29.5	6.7	60.2	7.7	0.3	1.2	0.3	0.2	12.8	0.5	0.5	0.2	0.6	0.03	2
S 3444	25.1	23.5	6.8	46.4	5.8	0.2	0.9	0.2	0.2	10.1	0.7	0.2	0.2	0.6	0.06	6
S 3445	44.9	23.9	5.7	48.0	6.5	0.3	1.4	0.4	0.2	7.7	0.2	0.5	0.2	0.2	0.07	4
S 3446	70.0	33.8	6.1	60.4	10.3	0.2	1.5	0.2	0.2	9.2	0.6	0.2	0.7	0.2	0.03	6

Soils	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb
Soils Statistics:																
Count	1,176	1,176	1,176	1,176	1,176	1,176	1,176	1,176	1,176	1,176	1,176	1,176	1,176	1,176	1,176	1,142
Mean	205.5	20.5	15.3	92.5	11.6	1.0	2.0	0.5	0.3	22.3	0.5	0.3	0.4	0.3	0.05	12.1
s.d.	781.9	18.0	111.6	288.2	12.5	4.1	1.7	0.8	0.7	85.9	1.3	0.3	0.7	0.3	0.35	41.2
Maximum	15,800.0	171.8	3,680.0	7,170.0	163.2	101.6	25.1	15.9	13.2	2,134.6	39.1	2.5	12.5	2.6	12.17	1,000
Minimum	1.7	1.3	0.8	4.7	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.03	1
Mean + 2 s.d.	1,769.3	56.6	238.4	669.0	36.5	9.3	5.4	2.2	1.8	194.1	3.0	0.8	1.8	0.9	0.76	94.5

EAGLE Cu Ni Pb Zn Co Cd Mo Ag W As Sb Bi Se Te Hg Au, ppb

Correlation Coefficients: Soil Samples

	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb
Cu	1.000	0.139	0.020	0.048	0.659	0.066	0.299	0.341	(0.033)	0.056	0.033	(0.045)	0.116	0.144	0.011	0.491
Ni		1.000	0.093	0.228	0.209	0.254	0.172	0.351	(0.038)	0.200	0.108	0.096	0.183	0.044	(0.010)	0.024
Pb			1.000	0.556	0.065	0.606	0.044	0.309	(0.010)	0.489	0.394	0.008	0.053	0.111	(0.004)	0.105
Zn				1.000	0.180	0.892	0.147	0.613	0.028	0.823	0.797	0.056	0.070	0.109	0.007	0.168
Co					1.000	0.141	0.429	0.402	(0.055)	0.189	0.141	(0.067)	0.020	0.044	0.033	0.359
Cd						1.000	0.160	0.696	0.028	0.774	0.769	0.112	0.197	0.130	(0.005)	0.157
Mo							1.000	0.357	(0.034)	0.184	0.132	0.058	0.206	0.048	0.000	0.222
Ag								1.000	0.018	0.628	0.611	0.144	0.304	0.095	0.008	0.366
W									1.000	0.024	0.005	0.114	0.009	(0.018)	0.003	0.036
As										1.000	0.815	0.077	0.089	0.068	(0.007)	0.230
Sb											1.000	0.029	0.130	0.075	(0.007)	0.170
Bi												1.000	0.538	0.070	(0.013)	0.019
Se													1.000	0.045	(0.009)	0.041
Te														1.000	(0.015)	0.121
Hg															1.000	(0.011)
Au, ppb																1.000

EAGLE	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb
T 1014	165.0	36.0	6.5	60.3	15.2	0.4	1.6	0.3	0.2	8.2	0.5	0.2	0.2	0.2	0.04	1
T 1015	54.8	44.1	21.8	110.1	12.1	1.0	1.1	0.4	0.2	35.9	0.2	0.2	0.2	0.2	0.03	*
T 1016	80.6	41.0	17.4	140.1	15.5	1.5	1.8	0.4	0.2	39.9	0.4	0.2	0.5	0.2	0.03	*
T 1017	199.7	12.3	4.6	63.2	13.7	1.4	4.3	0.9	0.2	20.9	0.2	0.2	3.1	0.2	0.03	*
T 1018	389.3	16.4	5.5	63.1	13.8	0.9	2.1	0.7	0.2	11.8	0.2	0.2	1.3	0.2	0.03	*
T 1019	217.2	11.9	4.3	47.5	9.3	0.8	1.6	0.4	0.2	7.2	0.2	0.3	0.8	0.2	0.03	*
T 1020	249.5	23.9	8.7	111.5	28.4	1.9	3.8	0.4	0.2	33.9	0.2	0.2	0.2	0.2	0.03	*
T 1021	451.2	15.9	15.4	90.5	25.0	2.6	6.5	1.3	0.2	71.9	0.4	0.2	2.1	0.2	0.07	20
T 1022	227.3	15.4	6.8	81.3	12.7	1.5	2.1	0.9	0.2	21.7	0.4	0.2	2.8	0.2	0.03	*
T 1023	144.4	16.4	6.6	46.5	10.1	0.4	1.6	0.4	0.2	7.8	0.2	0.2	1.0	0.2	0.03	*

Statistics:	Cu	Ni	Pb	Zn	Co	Cd	Mo	Ag	W	As	Sb	Bi	Se	Te	Hg	Au, ppb
Count	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	2
Mean	217.9	23.3	9.8	81.4	15.6	1.2	2.7	0.6	0.2	25.9	0.3	0.2	1.2	0.2	0.04	10.5
s.d.	117.8	11.7	5.8	29.6	5.9	0.6	1.6	0.3	0.0	19.3	0.1	0.0	1.0	0.0	0.01	9.5
Maximum	451.2	44.1	21.8	140.1	28.4	2.6	6.5	1.3	0.2	71.9	0.5	0.3	3.1	0.2	0.07	20
Minimum	54.8	11.9	4.3	46.5	9.3	0.4	1.1	0.3	0.2	7.2	0.2	0.2	0.2	0.2	0.03	1
Mean + 2 s.d.	453.6	46.7	21.4	140.5	27.4	2.5	5.9	1.2	0.2	64.4	0.5	0.3	3.3	0.2	0.06	29.5

Appendix 4

Geophysical Report

ELECTROMAGNETIC AND MAGNETOMETER SURVEYS

Eagle Property, Fort St. James, B.C.

Submitted to:

Birch Mountain Resources Ltd.
Calgary, Alberta

Submitted by:

Associated Mining Consultants Ltd.

Associated Mining Consultants Ltd.

1401, 910 - 7 Avenue S.W.; Calgary, Alberta, Canada T2P 3N8
Tel: (403) 264-9496 Fax: (403) 269-7640

File: 96PG76
September 18, 1996

BIRCH MOUNTAIN RESOURCES LTD.
3100, 205 Fifth Avenue S.W.
Calgary, Alberta
T2P 2V7

Attention: Val Pratico, P.Geol.

Dear Val

Associated Mining Consultants Ltd. (AMCL) is pleased to submit the following report entitled:

Electromagnetic and Magnetometer Surveys -
Eagle Property, Fort St. James, B.C.

We would like to express our thanks to Birch Mountain Resources Ltd. for the opportunity to provide our services in relation to this project.

Yours truly
ASSOCIATED MINING CONSULTANTS LTD.

Mark Bowman, P.Geoph.
Senior Geophysicist

MB/mlh

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1.0 INTRODUCTION

This report presents the results of a horizontal loop electromagnetic survey and total field magnetometer survey at the Birch Mountain Resources Ltd. Eagle Property bordering Tchentlo Lake, in the vicinity of Fort St. James, British Columbia. Performed between July 13 and August 5, 1996, the objective of the geophysical surveys was to detect and map the location of mineralised zones for correlation with base or precious metal exploration targets.

A Very Low Frequency (VLF) Electromagnetic survey was to be performed concurrently with the magnetometer survey. However, initial testing revealed that the resulting data would be of relatively poor quality and did not justify the additional acquisition time that would be required. In addition, the VLF data set would be essentially duplicated by results of the HLEM survey.

All work for this project was undertaken in accordance with Associated Mining Consultants Ltd.'s proposal dated June 12, 1996 (AMP 738).

2.0 GEOLOGY

The area surrounding Fort St. James in central British Columbia lies within the interior physiographic system of the Canadian Cordillera. The sedimentary and volcanic strata range in age from late Proterozoic to Oligocene or younger. These strata provide evidence of several periods of crustal disturbance followed by uplift and erosion.

The Eagle property, located directly north of Tchentlo Lake, is dominated by the Omineca intrusions with wedges of the Takla group to the west, adjacent to the Pinchi Fault zone. The Omineca intrusions are numerous bodies of intrusive rocks, of Upper Jurassic or Lower Cretaceous age, that are exposed in the Omineca Mountains (Armstrong, 1965). The Pinchi Fault zone, developed in post-Paleocene time, is one of the major fault zones in the Rocky Mountain Trench. It stretches northwest from Fort St. James approximately two hundred kilometres towards the Yukon Territory.

The Takla group occupies wedges to the west of the Omineca intrusions at Tchentlo Lake. It consists of a conformable succession of interbedded volcanic and lesser sedimentary rocks ranging in age from Upper Triassic to Upper Jurassic. Along the northeast margin of the Pinchi Fault zone (close to the Eagle property), the Takla group is represented by Upper Triassic sedimentary rocks. These consist mainly of interbedded black argillites, brown siltstones, and shales which exhibit slaty cleavage and brittle, concentric folding close to the Pinchi fault trace. As well, andesitic tuffs and breccias occur along the western boundary near Tchentlo Lake.

Studies to determine local petrology are on-going. Results were not made available for inclusion in this report.

3.0 SURVEY GRID DESCRIPTION

The survey grid was established at the site by an independent line cutting and survey crew retained directly by Birch Mountain Resources Ltd.. Initially, two grids were established. The first, or main grid, consisted of a 4 kilometre baseline oriented at an azimuth of 325° along station 4000E. Five survey lines, oriented perpendicular to the baseline at 100 metre intervals, extended 400 metres west and 500 metres east of the baseline in the southern region of the grid area. In the northern region of the grid, five survey lines oriented perpendicular to the baseline extended up to 1100 metres east of the baseline.

The baseline of the second grid (Gibson Grid), located along station 1675E, was also oriented at an azimuth of 325°. Seven perpendicular survey lines, each 1000 metres in length, were centred at 100 metre intervals along the baseline.

Preliminary results of the geophysical surveys were made available to Birch Mountain Resources Ltd. personnel as the surveys progressed. Based on these data, the survey grids were expanded to define the extent of anomalous geophysical responses. Grid expansion included infill lines between those pre-existing at the northern and southern extent of the main grid, the extension of the main grid 300 metres to the north and 100 metres to the south, and five lines extending 2000 metres between the main grid and the Gibson Grid. In addition, Line 3500N was extended 2000 metres to the west of the baseline in the vicinity of a known geochemical anomaly.

4.0 METHOD

A brief review of the geophysical methods employed in this study are presented as follows:

4.1 Horizontal Loop Electromagnetics (HLEM)

The HLEM method induces eddy current flow in the subsurface by means of a time varying magnetic field imparted by a magnetic dipole transmitter. The eddy current flow, in turn, induces a secondary magnetic field which is sensed by a receiver dipole. The magnitude of the secondary field is largely dependent upon the electrical properties of the subsurface. Two perpendicular vector components of the secondary field (in-phase and quadrature components) are measured to determine the location and orientation of subsurface conductive features.

HLEM instrumentation design enables both variable transmitter-receiver coil spacing and operating frequencies, resulting in expandable exploration depths in addition to promoting optimal transmitter-conductor coupling. The use of multiple operating frequencies may also result in higher resolution in complex conductive zones, aid interpretation within geologically noisy environments, and enable the determination of overburden resistivities.

The objective of the HLEM survey within the present study was to identify subsurface conductive zones indicative of local mineralisation. Known mineralisation associated with the target, including copper, galena, magnetite and pyrite, generally exhibits conductivities several orders of magnitude greater than the host rock, consisting largely of granite and granodiorite.

Four HLEM survey data sets, at operating frequencies of 1760, 3520, 7060, and 14080 Hz. were collected using the APEX MaxMin I-8 portable EM system. A transmitter-receiver coil spacing of 50 metres was maintained within those regions where evidence of mineralisation existed at surface. As conductor strength diminished away from these regions, the transmitter-receiver coil separation was expanded to 100 metres to increase exploration depth. For steeply dipping, highly conductive dike-like conductive zones, effective exploration depths are in the order of 0.7 times the transmitter-receiver coil separation distance.

HLEM data were acquired at 12.5 and 25 metre station intervals using the 50 and 100 metre transmitter-receiver separations respectively. Survey lines were oriented northeast-southwest and spaced 100 metres apart.

4.2 Total Field Magnetics

Variations within the earth's magnetic field, as measured by portable magnetometers, indicate localised variations of anomalous ferrimagnetic mineralisation. The geomagnetic field is comprised of three main parts:

I) The earth's magnetic field. The origin of this field is apparently a system of electrical currents originating in the earth's fluid conductive core. The resulting magnetic field resembles that of a large bar magnet.

ii) The external magnetic field originating in the outer atmosphere. This includes the eleven year cycle of sunspot activity, solar diurnal variations due to the action of the sun on ionospheric currents, lunar diurnal variations due to moon-ionosphere variations, magnetic storms usually associated with the aurora, and localised electrical storms.

iii) Local magnetic anomalies resulting from the magnetic content of relatively near-surface rocks.

The objective of the total field magnetometer survey was to map variations in magnetic field associated with localised mineralisation. The magnetic susceptibility of magnetite is high, whereas the magnetic susceptibility of pyrite may be similar to that of granite.

Correlation of the magnetometer survey results with those of the HLEM survey generally enhances the evaluation of conductor type.

The total magnetic field intensity, as measured in the present study with the GEM Systems Inc. GSM-19 magnetometer system, is a scalar measurement, or simply the magnitude of the earth's field vector independent of direction. Units of measurement of the geomagnetic field are generally nanoTeslas (nT), where 1 nT is in the order of 10^{-5} of the earth's main field. Resolution of the GSM-19 system is 0.01nT; accuracy is approximately 0.2 nT within the operating range.

Field measurements were acquired at 12.5 metre station intervals along lines spaced 100 metres apart, employing a magnetometer console configured as a field magnetometer. The effects of diurnal variations in the earth's magnetic field were removed from the field data by means of a base station magnetometer. The base station magnetometer was configured to collect magnetic field data at five second intervals over the duration of the survey at a stationary position in close proximity to the survey grid.

5.0 RESULTS

The results of the geological field study that was undertaken concurrently with the geophysical survey were not available prior to the preparation of this report. As such, minimal geological correlation is attempted here.

5.1 Horizontal Loop Electromagnetics (HLEM)

Upon review of the HLEM survey results, it was determined that the data were best represented by the 14080 Hz. and 3520 Hz. data sets. The respective HLEM in-phase and quadrature responses are presented as line profiles in Figures 1 and 2.

Due to the effects of current gathering, the amplitude of those conductors defined by the higher frequencies of operation are generally greater than those mapped with the lower operating frequencies. The attenuating effects of conductive overburden notwithstanding, the higher frequency results generally have a greater potential of identifying subsurface conductors. Consideration of multiple frequencies enables the identification of shallow anomalies which may mask conductors at depth.

Interpreted conductors are identified in Figures 1 and 2 and those of greatest magnitude and/or extent are labelled. The amplitude of the anomalous response is generally an indicator of the conductivity-thickness and/or depth of a subsurface conductor.

Within environments where sulphide mineralisation is of a porphyritic texture, reduced conductivity-volume products generally result in a dominant quadrature response over in-phase. In addition, variations in transmitter-receiver coil spacing, due predominantly to large topographical gradients and/or minor inaccuracies in surveyed station spacing, result in noise that is most apparent in the in-phase response. In data where this noise is apparent, the quadrature response generally yields a more reliable indicator of subsurface anomalies. Due to the relatively rugged terrain traversed at the Eagle Property, and the expected porphoritic nature of the local mineralisation, the quadrature response is of greater significance within this study than the in-phase response.

The results indicate that most of the survey area is electrically active. The trend of the identified conductors is predominantly northwest-southeast (north-south relative to the grid orientation). This is consistent with preliminary geological studies completed by Birch Mountain Resources Ltd. to date. All subsequent trend descriptions are relative to grid orientation, assuming a north-south baseline.

Conductor **A-A'** extends from the northern to southern extent of the Gibson Grid. Both anomalous in-phase and quadrature response is evident over most of the conductor length, a possible indication of massive sulphide mineralisation. Dip is estimated at approximately 90° to 70° to the west. Evidence of previous drilling activity is apparent at locations along several of the survey lines intersecting Conductor **A-A'**.

Striking southwest to northeast, Conductor **B-B'** extends from Line 1200N to 1600N. Quadrature response is greater than in-phase response, possibly a result of a conductor of porphoritic texture. Dip is estimated to be 60° to 80° to the west. The anomaly at Station 2150N on Line 1900N may be a continuation of Conductor **B-B'**. This is unconfirmed due to the data gap resulting from the topographical barrier encountered along Line 1900N. This prevented the collection of continuous measurements along the survey line in this region.

Conductors **C-C'**, **D-D'**, **E-E'**, **F-F'** and **G-G'** intersect the survey lines that connect the main grid to the Gibson Grid. There is some indication of Conductor **G-G'** extending south to Line 1000N. Quadrature response is significantly greater than that of in-phase within these conductor responses, suggesting conductors of porphoritic texture and/or the presence of conductive overburden. The variable response characteristics preclude valid dip angle estimation.

Anomaly **H-H'** strikes southwest-northeast from Line 900N to Line 1800N. Although compromised by interference of an adjacent conductor in the southern region, dip is estimated at 80° to 90° to the west. The conductor is coincident with a showing between lines 1000N and 1100N in which relatively high concentrations of magnetite were noted.

A weak to moderate conductor, **I-I'** extends between lines 2800N and 3400N. There is little evidence of corresponding in-phase response with the quadrature anomaly. Noise due to variable intercoil spacing resulting from traversing the rugged terrain in this region may have masked any valid in-phase response. Dip estimate, based on the response along Line 2400N only, is 60° to 70° to the west.

Conductors **J-J'**, **K-K'** and **L-L'** are apparent within the resulting data acquired with the 50 metre transmitter-receiver coil separation configuration. This suggests that the top of the conductor occurs at a relatively shallow depth. The relatively noisy in-phase response may be attributed to variations in coil spacing resulting from the effects of rugged terrain. Dips are estimated at 70° to 90° to the west for Conductors **J-J,** and **L-L'**, and approximately 90° for Conductor **K-K'**.

At the northern extent of the survey area, a relatively strong quadrature conductor **M-M'** strikes southeast-northwest between Lines 3900N and 4100N. The in-phase response has been corrupted by variable intercoil separation. No reasonable dip estimate can be derived from the data due to adjacent interference of the in-phase and quadrature response.

In addition to those conductors described above, several other anomalous responses are identified, each representing a conductor of limited apparent extent and magnitude. Those conductors identified towards the eastern regions of Line 3400N (Stations 2175E and 2225E) are likely an associated response to previously identified geochemical anomalies located immediately to the north. Anomalous in-phase and quadrature responses are also evident at Stations 3925N and 4200N along the main grid baseline (4000E). Continuation of these features on adjacent east-west survey lines is not readily apparent.

5.2 Total Field Magnetics

Following the removal of diurnal variations from the acquired field measurements, data were interpolated onto a regular grid at 12.5 metre intervals using the minimum curvature technique described by Swain (1976) and Briggs (1974). The resulting data sets are presented as coloured contour maps in Figures 3 and 4, illustrating the lateral variations of magnetic response within the study area. Figure 3 illustrates lateral magnetic gradients over the entire area surveyed. Within the Gibson Grid, lateral variations of magnetic response were of a lower order of magnitude, and as such, a more appropriate contour interval was selected to illustrate the magnetic response of this area (Figure 4).

The most obvious feature apparent in Figure 3 is the region of relatively high magnetic response (greater than 58000 nT) bordered approximately by Lines 2200E, 4200E, 2400N and by the southern extent of the surveyed region. This area, likely extending to the north and south beyond the boundaries of the present survey grid, may define the occurrence of granodiorite. The magnetic susceptibility of granodiorite is significantly higher than that of granite. HLEM conductor **B-B'** is coincident with the edge of this region of anomalous magnetic response and may therefore define a region of contact.

Localised anomalous magnetic response is indicative of localised variations in ferrimagnetic mineralisation. The largest anomaly of this type is centred at Station 4100N on Line 1300N, extending north-northwest to Line 1800N. This magnetic high is coupled with an adjacent magnetic low along the west-southwest perimeter. HLEM Conductors **G-G'** and **H-H'** are coincident with the western and eastern boundaries of the magnetic anomaly respectively. Similarly, HLEM Conductor **I-I'** is coincident with a magnetic high along the northeastern boundary of the magnetic anomaly. The location of conductors within areas of magnetic anomalies may define the regions of highest concentrations of sulphide mineralisation. Of the mineralisation known to occur within the study region, coincident magnetic and HLEM anomalies are likely most indicative of magnetite and/or galena.

Increased magnetic responses are also coincident with HLEM Conductors **C-C'**, **E-E'** and, to a lesser extent, **J-J'** and **L-L'**. However, magnetic variations evident east of the baseline between Lines 2700N to 3900N may be attributed at least in part to a reduced overburden thickness.

Coincident magnetic and HLEM anomalies evident between Stations 2200E and 2400E suggests an extension of the feature identified by geochemical anomalies directly to the north.

The region defined by the Gibson Grid is magnetically quiet by comparison. Greater detail of the magnetic signature within this region, shown in Figure 4, illustrates a steady decrease in magnetic response to the west-northwest, with the greatest response evident in the southeast corner of the grid. There is no apparent magnetic response coincident with HLEM Conductor **A-A'**. This suggests that the anomalous HLEM response may be due to pyrite mineralisation.

6.0 CONCLUSIONS AND RECOMMENDATIONS

The geophysical surveys performed on the Eagle Property have identified a number of subsurface electrical conductors and magnetic anomalies. These provide numerous isolated locations for ground follow-up.

Drillhole targets have been determined prior to completion of this report based, in part, on the preliminary results of the geophysical surveys made available to Birch Mountain personnel on site.

With those acquisition parameters employed during the survey, the conductors identified within this report are mapped to a maximum depth of approximately 70 metres. Although the features may extend to depths beyond this, initial drillhole investigations should be designed to intersect the identified conductors within the depth limits of the geophysical survey results.

Upon completion of the subsequent drilling program, further review of the geophysical survey results is recommended to fully integrate all available geological data.

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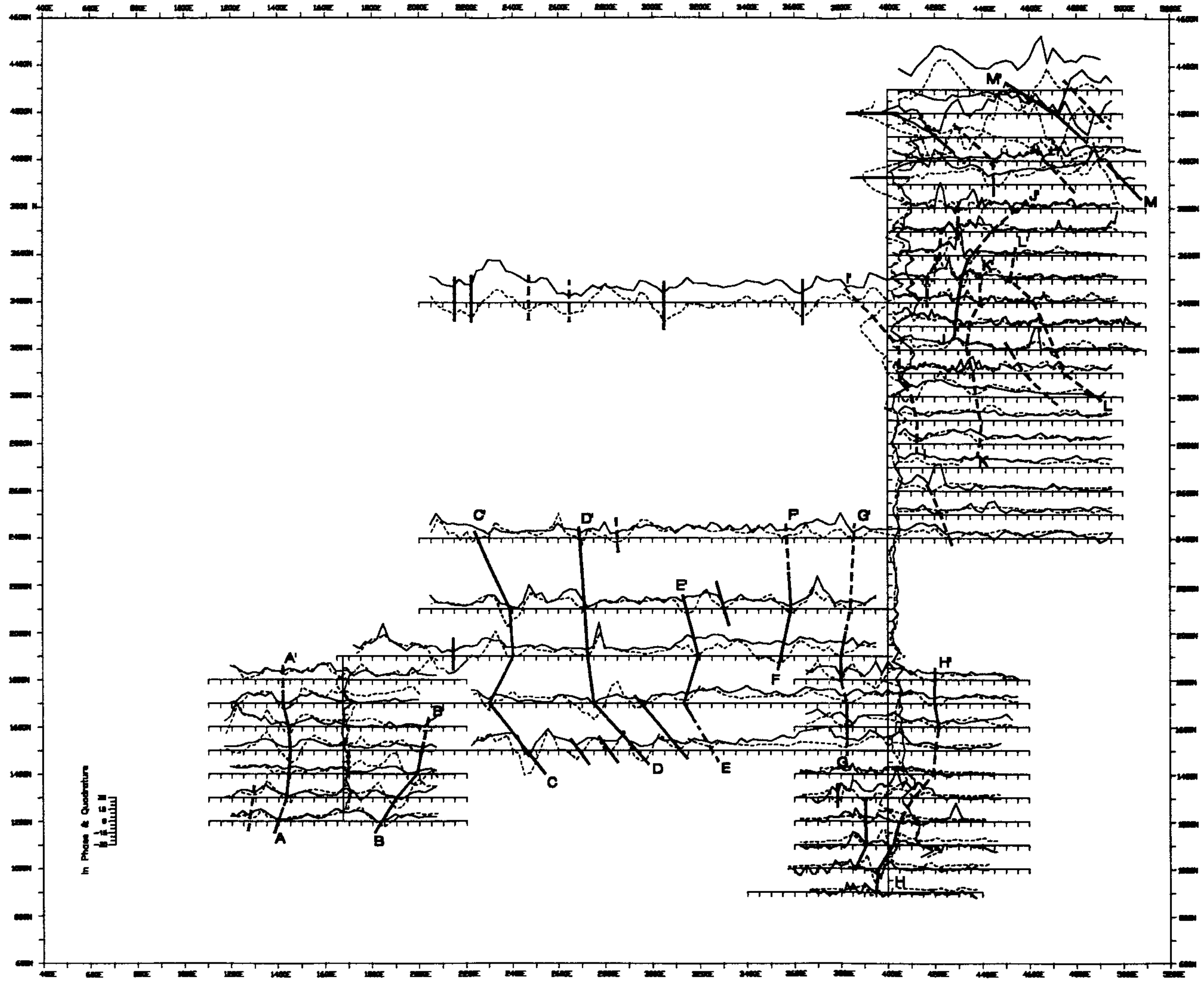

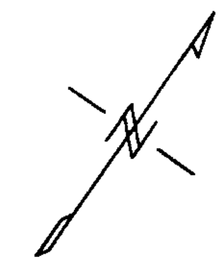

50m Transmitter-Receiver Spacing

In Phase Response

Quadrature Response

100m Transmitter-Receiver Spacing

In Phase Response

Quadrature Response

Moderate to Strong Conductor

Weak to Moderate Conductor

BIRCH MOUNTAIN RESOURCES LTD.

EAGLE PROPERTY
BRITISH COLUMBIA

HORIZONTAL LOOP ELECTROMAGNETIC SURVEY (MAX-MIN I-8)
14080 Hz
Scale 1:20000
September, 1996 - Figure 1

ASSOCIATED MINING CONSULTANTS LTD. PG76

Appendix 5

Petrographic Report

PETROGRAPHY OF THE SAMPLES: R-0014; R-3032; R-3037 and R-3036

BY

ANDRZEJ SKUPINSKI, Ph.D.

TATRA MINERALOGICAL

FOR

BIRCH MOUNTAIN RESOURCES LTD.

CALGARY, ALBERTA

October 1996

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EXPLANATIONS TO PLATE 8

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INTRODUCTION

The four rock samples related to a gabbro massif were analysed in reflected and transmitted light by means of a Zeiss polarizing microscope. For determination of Pyroxene and Plagioclase also the Universal Stage method was used.

The analysed samples were generally barren in economic sulphides, so that ore minerals and their textures were described only incidentally. Per consequence, the present report is essentially limited to general petrographic descriptions. From only four samples, making broad conclusions concerning their petrogenesis was impossible. However, some limited comments on metasomatic evolution of the rocks are included.

The rocks were classified accordingly to the plutonic rocks nomenclature recommended by the IUGS and numbers corresponding to the classification diagram sectors follow the rock names. The rocks were classified according to their present mineralogical content. However, they result from a complex metasomatic evolution of other parent rocks which had different original mineralogy.

Sample preparation: Two polished thin sections were prepared from each sample. After a final grinding to the standard thickness of 25 microns, diamond paste of 1 micron on a Texmet polishing cloth was applied. The polishing was accomplished with a 0.3 micron Al_2O_3 powder on the Texmet cloth and with a γ-Al_2O_3 0.05 micron powder on the Microcloth.

SAMPLE R-0014

Rock Name: Gabbro (10).
Macroscopic Description: The rock is phaneritic, holocrystalline, dark grey in colour. Coarse-grained Pyroxene, up to 1 cm in size, and fine-grained Plagioclase are the only minerals macroscopically discernible.

Mineral Content:

Rock-forming:	Augite (dominant)
	Plagioclase (83-96%An)(very common)
	Hornblende (minor)
	Chlorite (minor)
	Biotite (trace)
	Epidote (trace)
	Hypersthene (trace)
	Actinolite (trace)
Opaques:	Magnetite (common)
	Ilmenite (minor)
	Chalcopyrite (trace)

Texture: Texture is coarse to medium-grained, anhedral to subhedral-granular. Pyroxene is commonly anhedral and coarse-grained, up to 12mm in size. It is intergrown with Plagioclase that is subhedral equigranular, and with a mean grain size of 1mm. Frequently, on borders with Plagioclase, Pyroxene is sieve-textured with inclusions of Plagioclase grains. Anhedral grains of **Magnetite**, up to 3 mm in size, are randomly included in Augite, Plagioclase or infill interstices. Magnetite is locally abundant, with common lamellar exsolutions of **Ilmenite**. Interstitial clusters of chloritized **Biotite** and **Chlorite**, accompanied by **Fe-Epidote**, and **Hornblende** occur randomly.

Pyroxene is an Augite displaying a very weak pleochroism (γ - light grey, α - colourless) and $z/\gamma = 35°$. Unfrequently, the grains of diopsidic Augite with a higher $z/\gamma = 44°$ is noticeable. Trace inclusions of olive-brown Hypersthene and secondary Hornblende occur in Augite grains.

Plagioclase is very calcic. The content of anorthite component varies from 83% (Bytownite) to 96% (Anorthite *sensu stricto*). The crystals with high anorthite content, more than 90%, are more common. Polysynthetic twinning according to albitic and periclinic laws are ubiquitous. Carlsbad type twinning is much less common in Plagioclase. Zonal textures have not been noticed.

Alterations: The intensity of mineral alterations is very moderate. The most common is initial *saussuritization* of Plagioclase. Uralitization of Pyroxene is uncommon. It is restricted to internal or marginal replacements by Amphibole.

Comments: Gabbro sample, most likely, represents the original unaltered part of the pluton.

SAMPLE R-3032

Rock Name: Monzonite (8).
Macroscopic Description: Phaneritic coarse-grained rock with macroscopically discernible grey Feldspars and dark green Hornblende. Some Amphibole clusters are tectonically strained. Minor Chalcopyrite mineralization occurs in the deformed areas.

Mineral Content:

Rock-forming:	Orthoclase (common)	
	Plagioclase (common)	
	Hornblende (common)	
	Actinolitic hornblende (less common)	
	Chlorite (minor)	
	Apatite (accessory)	
	Tourmaline (accessory)	
	Epidote (trace)	
	Biotite (trace)	
	Quartz (local, minor)	
Opaques:	Magnetite (common)	Ilmenite (minor)
	Chalcopyrite (minor)	Pyrite (minor)
	Goethite (minor)	

Texture:

The texture is coarse-grained crystalloblastic with poikiloblastic (sieve-textured) potash feldspars, up to 1cm in size. The narrow fractures filled with laminar clusters of fine-grained Actinolitic Hornblende (see Plate 1, Fig. C), occur in the rock. Chalcopyrite, and less common Pyrite mineralization is frequent within fractures. Both sulphides occur as postkinematic impregnation within Actinolitic Hornblende.

Orthoclase, dominant feldspar, shows a xenoblastic (anhedral) growth. The Orthoclase crystals, up to 5mm in size, are sutured in large blasts. They are crowded with cloudy very fine-grained Sericite and Amphibole. Large grains of sericitized Plagioclase and Hornblende, up to 4mm in size are ubiquitous inclusions in Orthoclase. Orthoclase crystals are microperthitic, in other words contain oriented intra crystalline inclusions of Albite. In some crystals, vermiculic (pseudomyrmekitic) Quartz grains occur.

Plagioclase is totally altered and cannot be determined. However, alteration products: Sericite and Epidote suggest its original composition as abundant in anorthite. They are up to 4mm in length, and when included in Orthoclase (see Plate 1, Fig. D), show resorbed borders.

Hornblende is pseudomorphic after Pyroxene. It is randomly grown in clusters, up to 5mm in size. Local Biotitization is noticeable in Hornblende.

Actinolitic Hornblende occurs as deformed clusters in fractures. The forms of crystals differ from regular Hornblende by acicular or short prismatic shape. The clusters are commonly intergrown with fine-grained aggregatic Chlorite, secondary Quartz and sulphide minerals. Both, Quartz and sulphides form post kinematic impregnation of the Actinolitic Hornblende.

Magnetite is commonly associated with Hornblende. The grains, up to 1mm in size, are anhedral and show border alteration to **Goethite.**

Apatite is a common accessory mineral. The grains are up to 0.5mm in size.

Tourmaline grains, up to 0.4mm in size, are random inclusions in feldspars. Tourmaline displays an intensive pleochroism in blue and pinkish colours.

Alterations: The primary minerals of the rock were Pyroxene, calcic Plagioclase and Magnetite.

Pyroxene is totally altered to Hornblende.

Plagioclase shows a very strong internal alteration that is of *saussuritic* type. The products of *saussuritization* are fine-grained Sericite and different minerals of the Epidote family. The alteration of both primary minerals is related to the potassic metasomatosis. In mineralogical sense, Plagioclase was replaced by Orthoclase (Orthoclase Feldspathization) and Pyroxene by Hornblende.

Magnetite, due to oxidation, is altered on borders to Goethite.

In some localities, due to boron-bearing gases activity, an initial *tourmalinization* is noticeable. Sulphide mineralization is recent in the rock. Its relation to fractures is obvious.

Comments: The rock, most likely, was originally a gabbro. Under influence of potassic metasomatosis, it was enriched in Orthoclase, and with accompanied alteration of Plagioclase converted to monzonite.

SAMPLE R-3037

Rock Name: **Host rock:** Quartz diorite (10*).
Enclave: Hornblende pyroxenite.

Macroscopic Description: The rock is medium-grained, creamy-white in colour. Dark greenish-grey enclaves of mafic particles, up to 4cm in diameter, are included in the host rock.

Mineral Content:

Host rock:	Plagioclase (20-30% An) (dominant)
	Albite (>5% vol.)
	Amphibole (common)
	Quartz (5-10% vol.)
	Sphene (accessory)
	Epidote (accessory)
	Apatite (accessory)
	Clinozoisite (secondary infilling of fissures)
Enclave:	Diopside (common)
	Hornblende (common)
	Magnetite (minor)
	Plagioclase (minor)
	Sphene (accessory)

Texture:

(Host rock) The texture is equigranular, xenomorphic (anhedral) with the mean grain size of 1mm. The rock is cut by two systems of mutually perpendicular fissures, about 0.05mm in width. One system of fissures is filled with minerals of the Epidote group, most likely with **Clinozoisite** ($2V\gamma \sim 25°$) (+ve). Another one is mostly filled with Prehnite.

Plagioclase is mostly anhedral, with the grain size ranging from 0.5 to 1mm. Larger grains of Plagioclase, up to 2 mm in size, occur randomly. They tend to subhedral tabular forms and are preferentially oriented. Due to *saussuritization*, Plagioclase is almost totally altered to Sericite and Epidote. Some less altered grains were determined as Oligoclase containing up to 30% An.

Anhedral grains of weakly pleochroic **Hornblende** and colourless **Actinolite**, up to 2mm in size, are ubiquitous in the rock. **Quartz** grains, up to 0.1mm in size, infill interstities between plagioclase.

(The enclave) Pyroxene and Hornblende are main constituents. They are generally anhedral with the grain size from 0.5 to 2mm. Pyroxene is Diopside with $Z/\gamma=42°$. Hornblende is pseudomorphic after Pyroxene which remnants are ubiquitous inclusions in Amphibole. The grains of Diopside show alteration to Hornblende on borders and along crystallographic cleavage (see Plate 1, Fig. B). Magnetite is associated with Pyroxene and Amphibole. Sphene is a common accessory. Sericitized Plagioclase is uncommonly included in the border zone of the enclave.

Alterations:

In Plagioclase:	Saussuritic alteration with abundant Sericite and weak Epidote secretion.
In Pyroxene:	Ubiquitous alteration to Hornblende.
In Hornblende:	Local alteration to Actinolite.

Comments: The origin of the rock is uncertain. However, the composition and microscopic texture of mafic enclave suggest its strong affinity to the gabbro body. The rock can be hypothetically interpreted as a product of anatectic melting of gabbro parent rocks. Consequently, due to fusion of leucocratic components, the anatectic differentiation for Quartz dioritic *mobilizate* (host rock) and mafic *restite* (enclave) occurred.

SAMPLE R-3066

Rock Name: Alkali-feldspar syenite (6) (see Comments).
Macroscopic Description: The massive phaneritic rock. The dark grey and pink Feldspars, Epidote and Amphibole are macroscopically discernible. The rock is cut by narrow fractures filled with secondary minerals: Epidote and Amphibole. Chalcopyrite randomly occurs in fractures.

Mineral Content:	Albite (dominant)
	Actinolite (common)
	Epidote (less common)
	Magnetite (minor)
	Calcite (minor)
	Adularia (minor, local)
	Apatite (accessory)
	Quartz (trace)
	Calcite (trace)
Opaques:	Magnetite (minor)
	Chalcopyrite (minor, local)

Texture: The rock is subhedral-granular in texture. **Albite** plagioclase, tabular in shape, is the dominant constituent. Plagioclase grains are intergrown together in the form of an interlocking mosaic. The size of individual crystals varies from 1 to 5 mm. A huge amount of fine-grained Sericite, Epidote and Chlorite is included in Albite.

Actinolitic hornblende, **Chlorite** and **Fe-Epidote**, are frequently clustered and intergrown with Plagioclase. Subhedral **Magnetite** grains, up to 0.5mm in size, are ubiquitous. Euhedral grains of Apatite, up to 0.3mm in length, occur in accessory amounts.

The rock is fractured. The fractures are abundant with secondary hydrothermal minerals: **Epidote**, **Chlorite**, **Adularia** and minor Calcite. Acicular **Actinolite** is also frequent. Close to the fractures, Plagioclase is frequently replaced by hydrothermal Adularia. **Chalcopyrite** mineralization is restricted to fractures and areas altered by Adularia. Chalcopyrite grains are sometimes surrounded by minor secondary Quartz.

Alterations:

In Plagioclase:
1. Albitization and related extensive saussuritization with secretion of Sericite and Epidote.
2. Fracture related alteration to Adularia.

In Hornblende:
1. Extensive alteration to Chlorite.
2. Fracture related alteration to Actinolite.

Comments: The rock is a product of metasomatic alteration of the original rock of uncertain origin (however, gabbro is possible) under conditions of the Greenschist facies characterized by the mineral assemblage: Albite-Epidote-Chlorite-Actinolite. Due to sodic metasomatism, calcic Plagioclase was albitized. Liberated calcium entered in Actinolite and Epidote.

EXPLANATIONS TO PLATE

Plate 1.

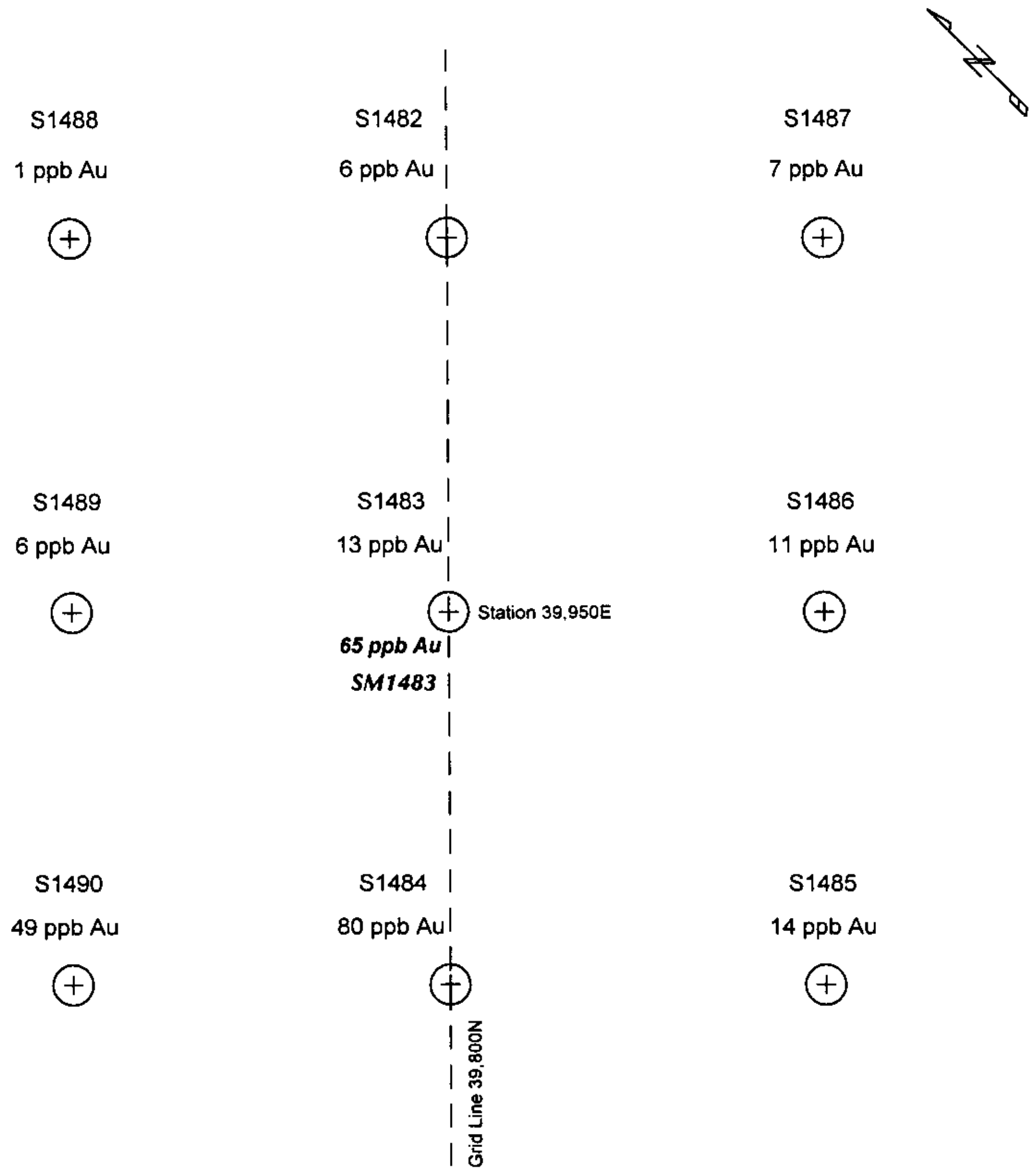
A. The texture of gabbro in #R-0014.
B. Pyroxene grains altered to Hornblende in the Enclave of Pyroxenite in #R-3037.
C. A cluster of Actinolitic Hornblende between grains of Orthoclase in #R-3032.
D. Inclusions of strongly altered Plagioclase in xenoblastic Orthoclase in #R-33032.

ABBREVIATIONS USED ON PLATE

Ac - Actinolitic Hornblende
Hb - Hornblende
Or - Orthoclase
Pl - Plagioclase
Px - Pyroxene

Appendix 6

Geochemistry Program: Resampling Maps



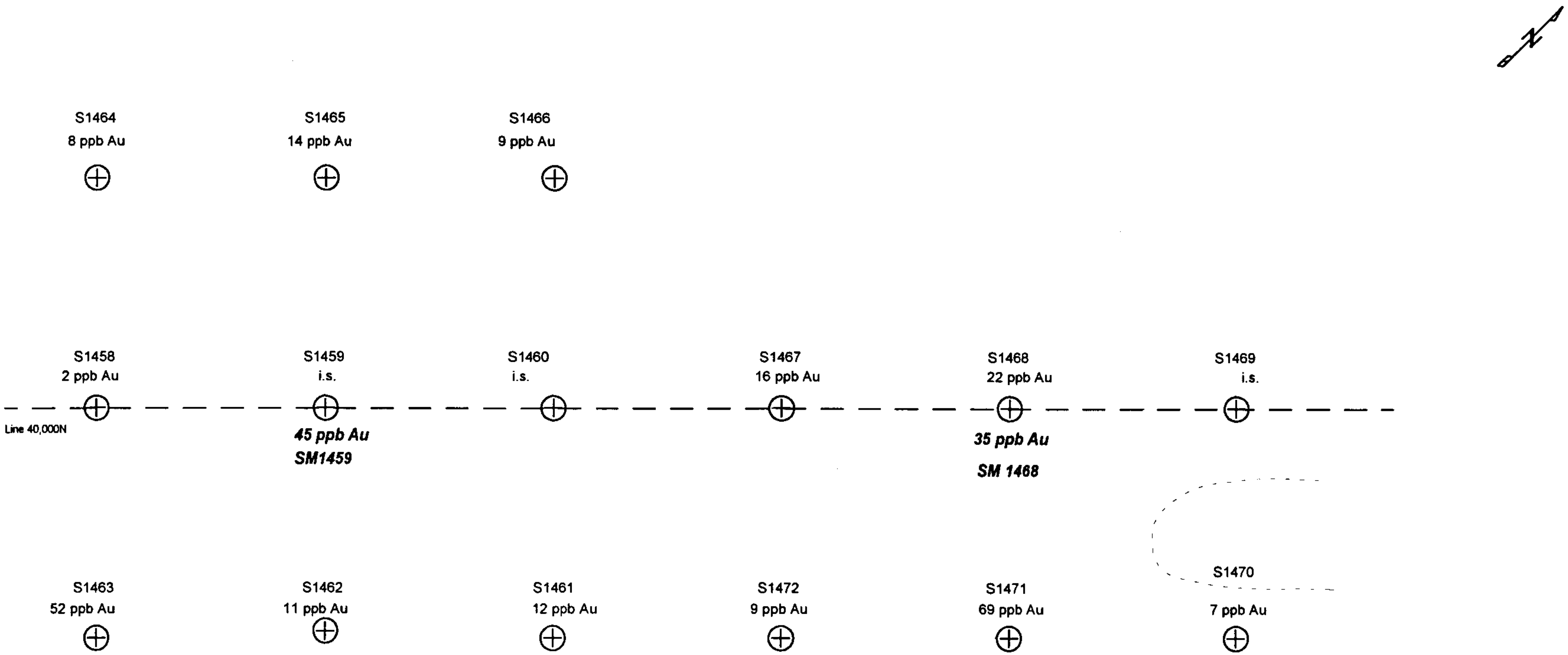
Legend

S1483	Soil sample number, re-sampling program
12 ppb Au	Geochemical result,re-sampling program
⊕	Sample location
65 ppb Au	Geochemical result, initial sampling, 1989-1990
SM1483	Original Sample Location

Scale

0 10 20 m

Birch Mountain Resources Ltd.		
Geochemistry Program SM1483 EAGLE Project, B.C.		
Scale: 1:500	NTS: 93 N/2	
Drawn by: DAB	Date: 1996.11.06	Fig. A.6.1



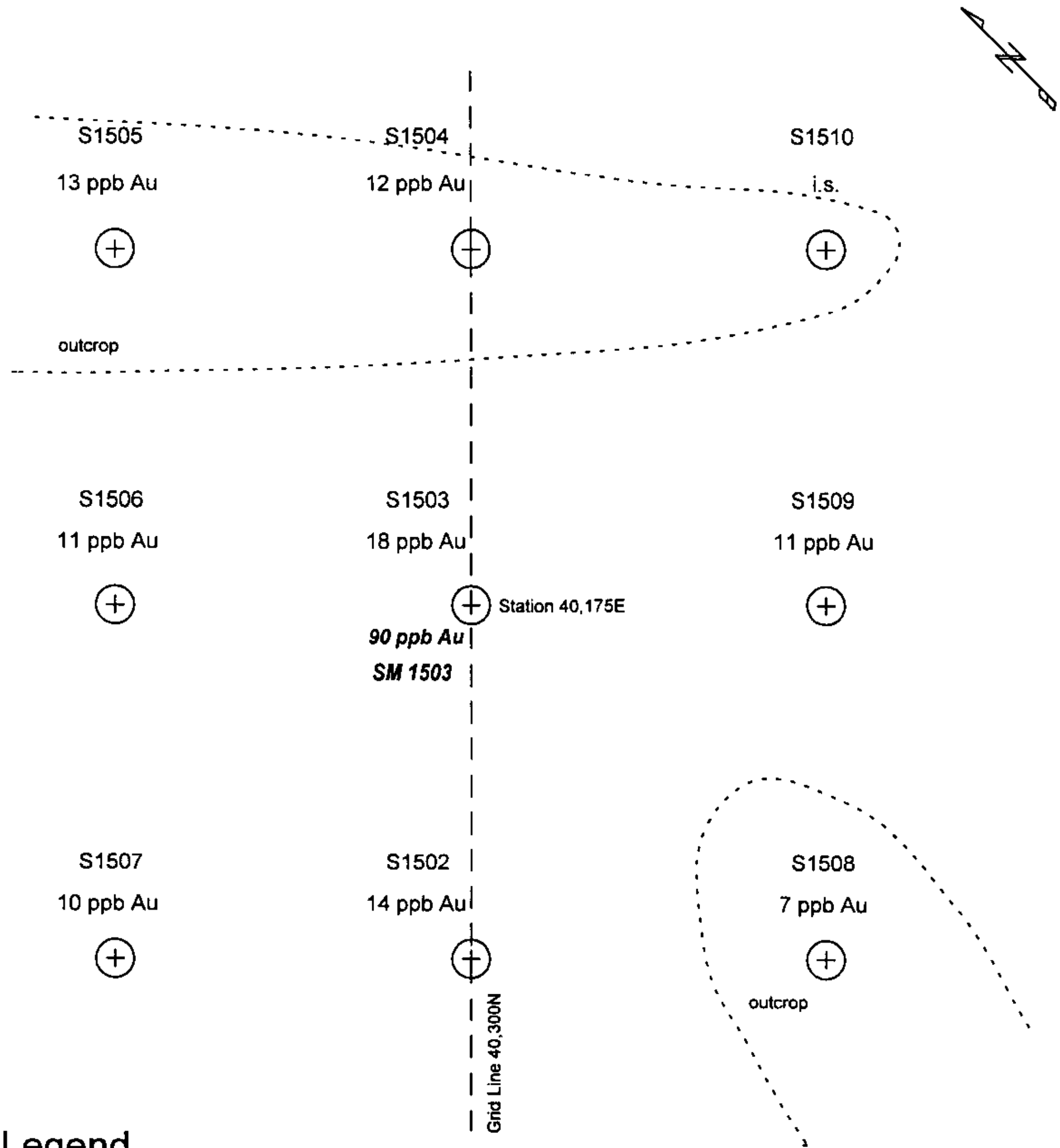
Legend

S1491	Sample number, re-sampling program
47 ppb Au	Geochemical result,re-sampling program
i.s.	Insufficient sample for gold analysis
⊕	Sample location
45 ppb Au	Geochemical result, initial sampling, 1989-1990
SM1468	Original Sample Location

Scale

0 10 20 m

Birch Mountain Resources Ltd.		
Geochemistry Program SM 1459, SM1468 EAGLE Project, B.C.		
Scale: 1:500	NTS: 93 N/2	
Drawn by: DAB	Date: 1996.11.05	Fig. A.6.2



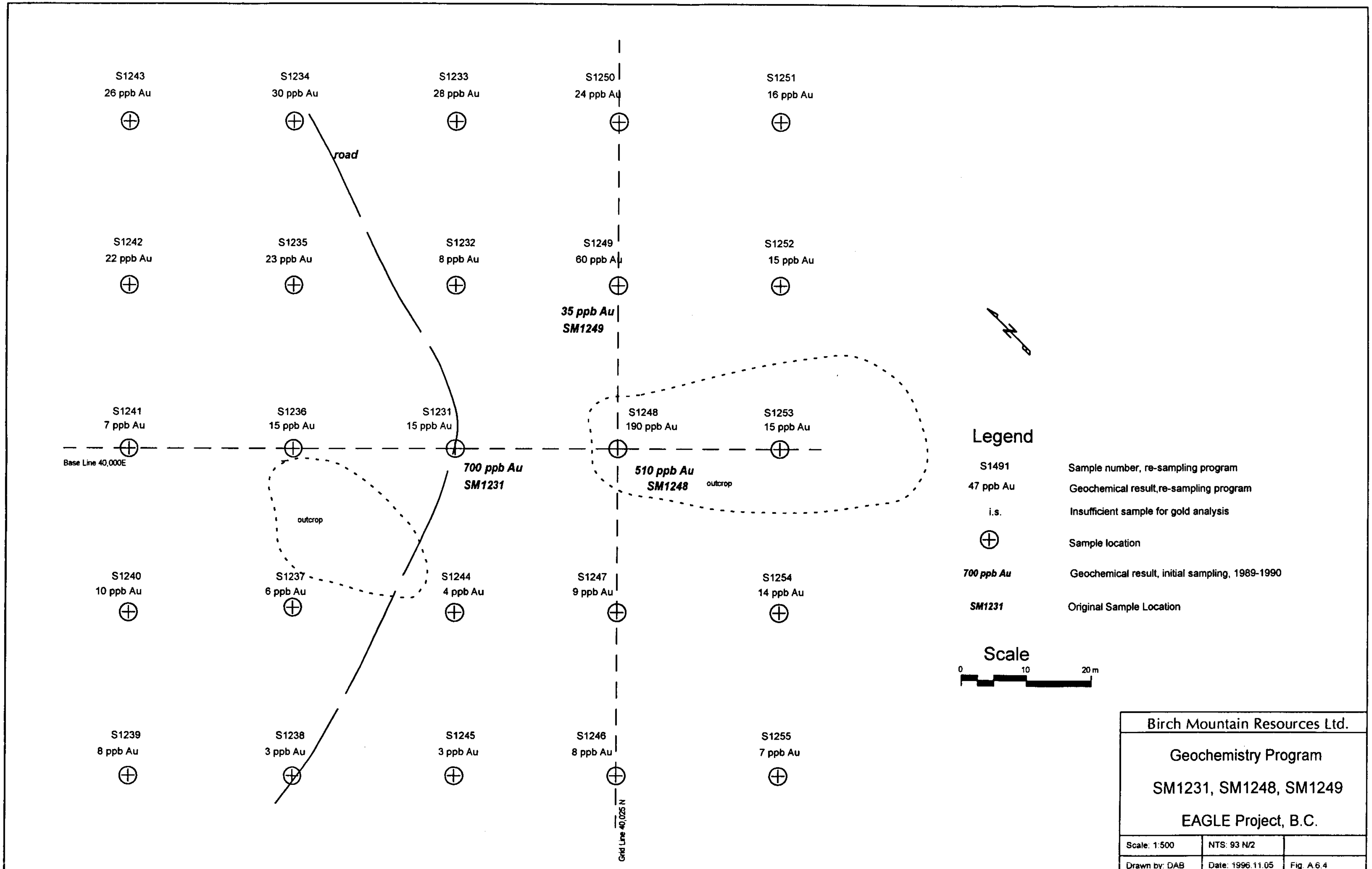
Legend

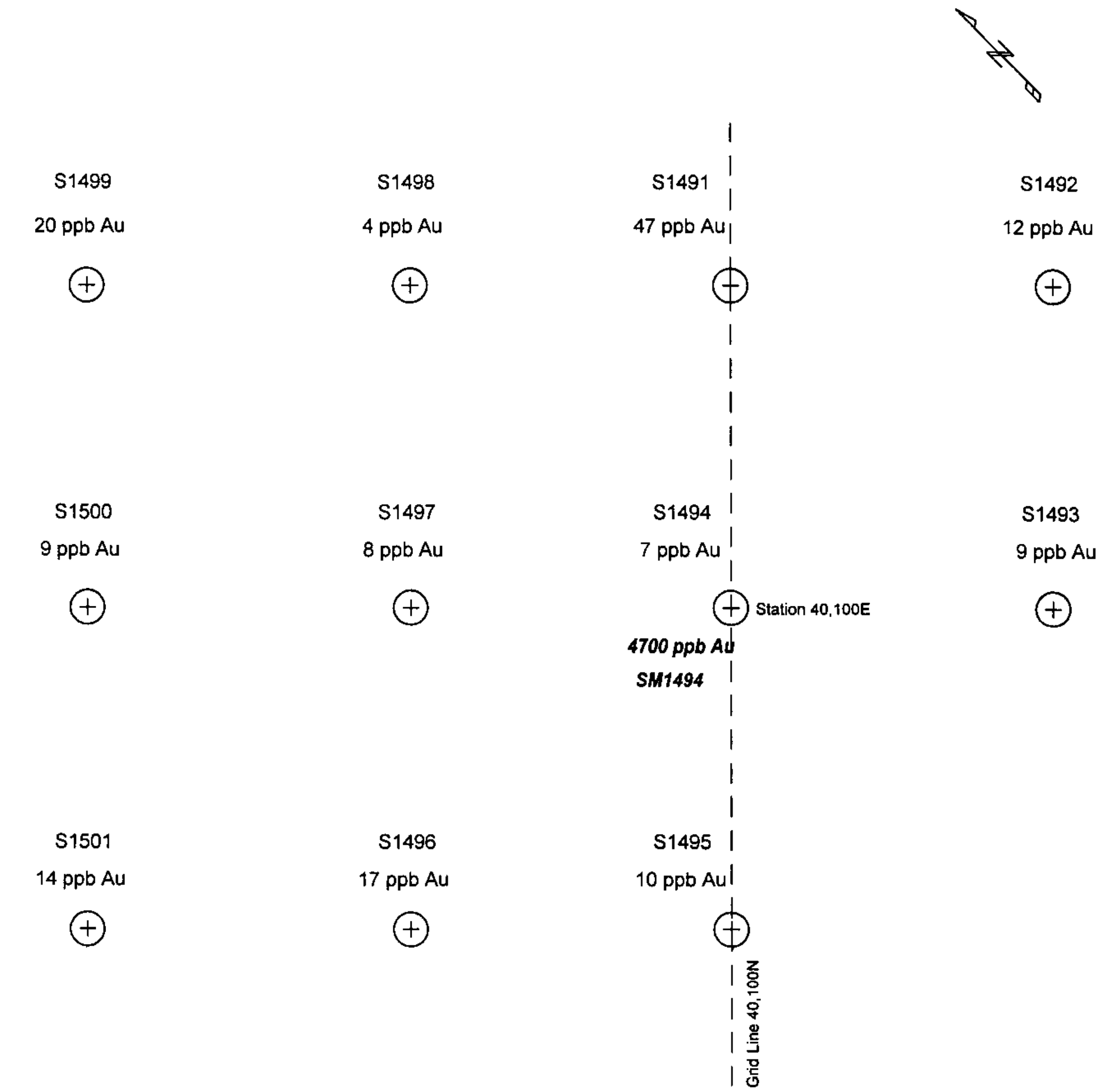
S1483	Soil sample number, re-sampling program
12 ppb Au	Geochemical result,re-sampling program
i.s.	Insufficient sample for gold analysis
⊕	Sample location
90 ppb Au	Geochemical result, initial sampling, 1989-1990
SM1503	Original Sample Location

Scale

0 10 20 m

Birch Mountain Resources Ltd.		
Geochemistry Program SM1503 EAGLE Project, B.C.		
Scale: 1:500	NTS: 93 N/2	
Drawn by: DAB	Date: 1996.11.06	Fig. A.6.3


S1243
26 ppb Au
S1234
30 ppb Au
S1233
28 ppb Au
S1250
24 ppb Au
S1251
16 ppb Au
road
S1242
22 ppb Au
S1235
23 ppb Au
S1232
8 ppb Au
S1249
60 ppb Au
S1252
15 ppb Au
35 ppb Au
SM1249
S1241
7 ppb Au
S1236
15 ppb Au
S1231
15 ppb Au
S1248
190 ppb Au
S1253
15 ppb Au
Base Line 40,000E
700 ppb Au
SM1231
510 ppb Au
SM1248
outcrop
outcrop
S1240
10 ppb Au
S1237
6 ppb Au
S1244
4 ppb Au
S1247
9 ppb Au
S1254
14 ppb Au
S1239
8 ppb Au
S1238
3 ppb Au
S1245
3 ppb Au
S1246
8 ppb Au
S1255
7 ppb Au
Grid Line 40,025 N
N
Legend
S1491 Sample number, re-sampling program
47 ppb Au Geochemical result,re-sampling program
i.s. Insufficient sample for gold analysis
Sample location
700 ppb Au Geochemical result, initial sampling, 1989-1990
SM1231 Original Sample Location
Scale
0
10
20 m
Birch Mountain Resources Ltd.
Geochemistry Program
SM1231, SM1248, SM1249
EAGLE Project, B.C.
Scale: 1:500
NTS: 93 N/2
Drawn by: DAB
Date: 1996.11.05
Fig. A 6.4



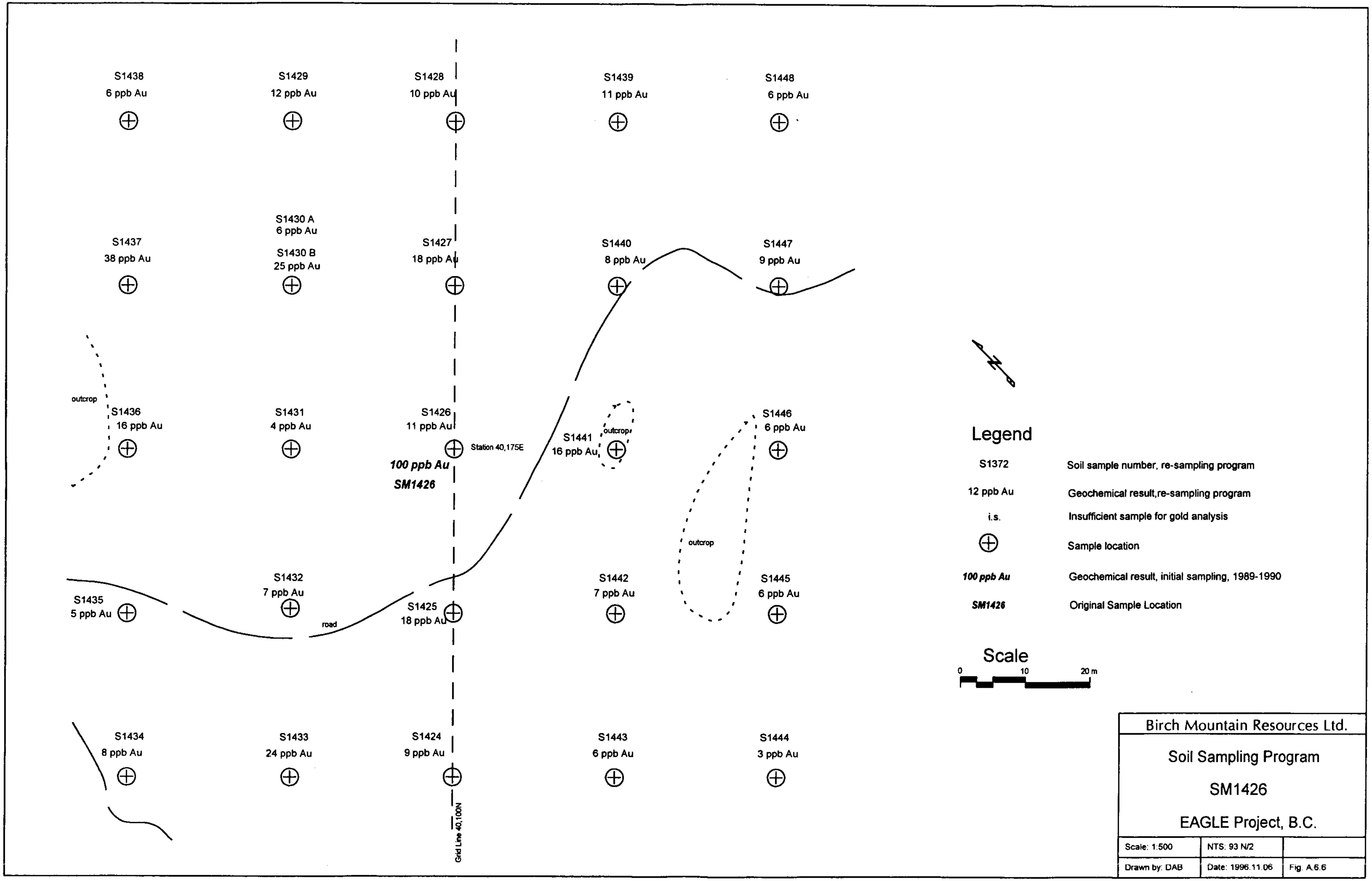
Legend

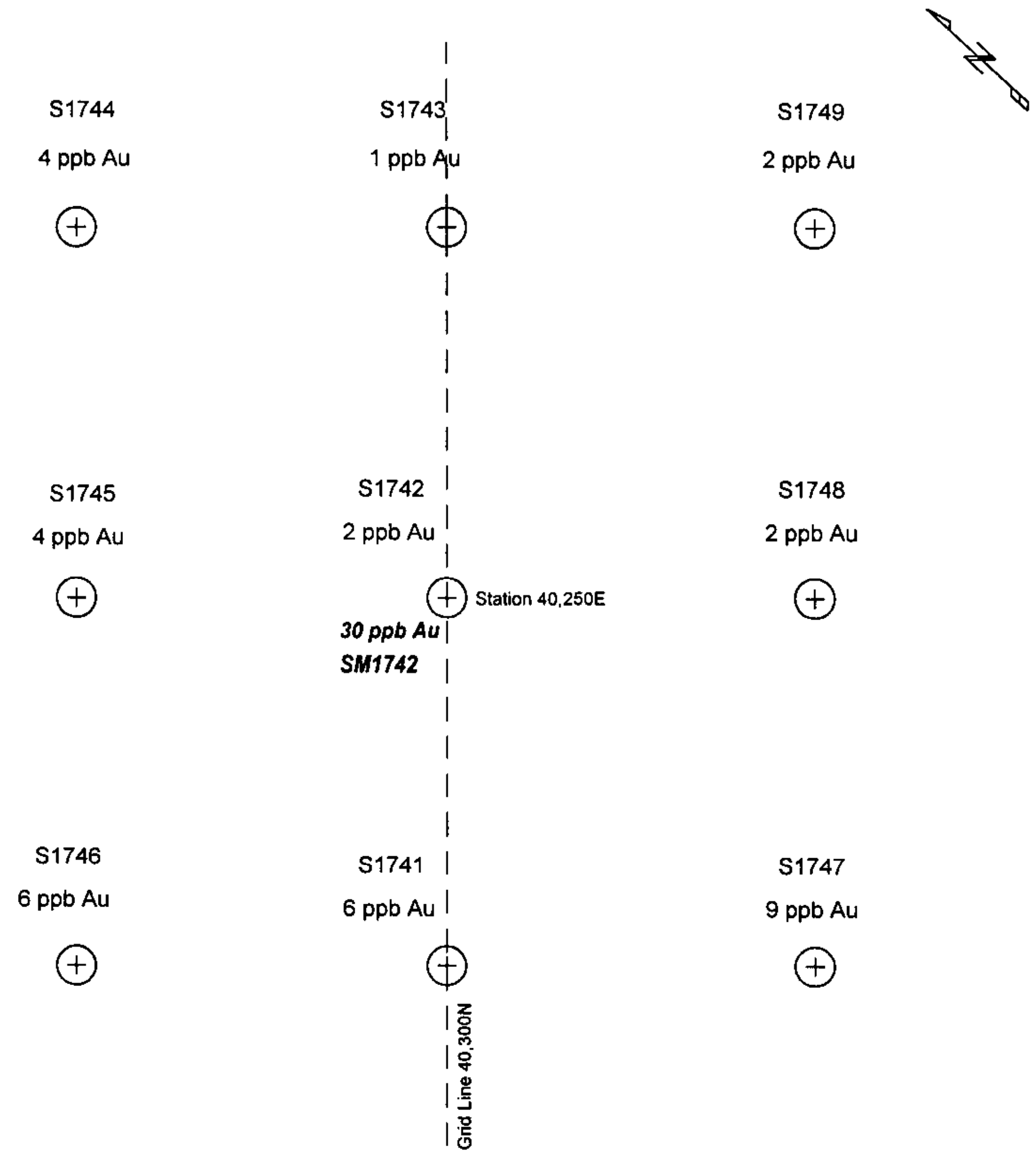
S1494	Soil sample number, re-sampling program
12 ppb Au	Geochemical result,re-sampling program
⊕	Sample location
4700 ppb Au	Geochemical result, initial sampling, 1989-1990
SM1494	Original Sample Location

Scale

0 10 20 m

Birch Mountain Resources Ltd.		
Geochemistry Program SM1494 EAGLE Project, B.C.		
Scale: 1:500	NTS: 93 N/2	
Drawn by: DAB	Date: 1996.11.06	Fig. A.6.5


S1438
6 ppb Au
S1429
12 ppb Au
S1428
10 ppb Au
S1439
11 ppb Au
S1448
6 ppb Au
S1437
38 ppb Au
S1430 A
6 ppb Au
S1430 B
25 ppb Au
S1427
18 ppb Au
S1440
8 ppb Au
S1447
9 ppb Au
outcrop
S1436
16 ppb Au
S1431
4 ppb Au
S1426
11 ppb Au
Station 40,175E
100 ppb Au
SM1426
S1441
16 ppb Au
outcrop
S1446
6 ppb Au
outcrop
S1435
5 ppb Au
S1432
7 ppb Au
road
S1425
18 ppb Au
S1442
7 ppb Au
S1445
6 ppb Au
S1434
8 ppb Au
S1433
24 ppb Au
S1424
9 ppb Au
S1443
6 ppb Au
S1444
3 ppb Au
Grid Line 40,100N
N
Legend
S1372 Soil sample number, re-sampling program
12 ppb Au Geochemical result,re-sampling program
i.s. Insufficient sample for gold analysis
Sample location
100 ppb Au Geochemical result, initial sampling, 1989-1990
SM1426 Original Sample Location
Scale
0 10 20 m
Birch Mountain Resources Ltd.
Soil Sampling Program
SM1426
EAGLE Project, B.C.
Scale: 1:500
NTS: 93 N/2
Drawn by: DAB
Date: 1996.11.06
Fig. A.6.6



Legend

S1743	Soil sample number, re-sampling program
8 ppb Au	Geochemical result,re-sampling program
⊕	Sample location
30 ppb Au	Geochemical result, initial sampling, 1989-1990
SM1742	Original Sample Location

Scale

0 10 20 m

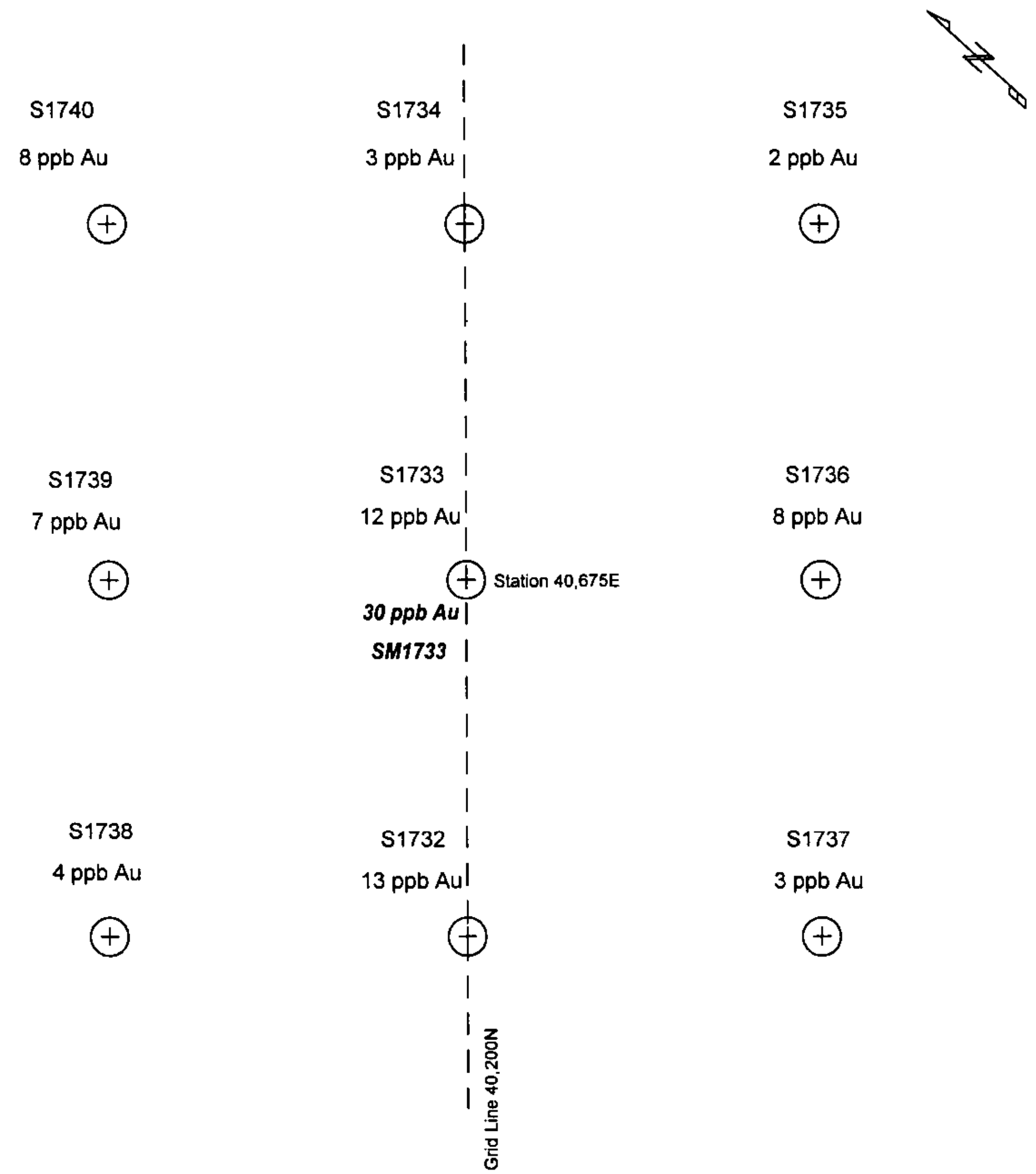
Birch Mountain Resources Ltd.

Geochemistry Program

SM1742

EAGLE Project, B.C.

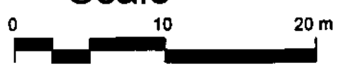
Scale: 1:500	NTS: 93 N/2	
Drawn by: DAB	Date: 1996.11.14	Fig. A.6.7



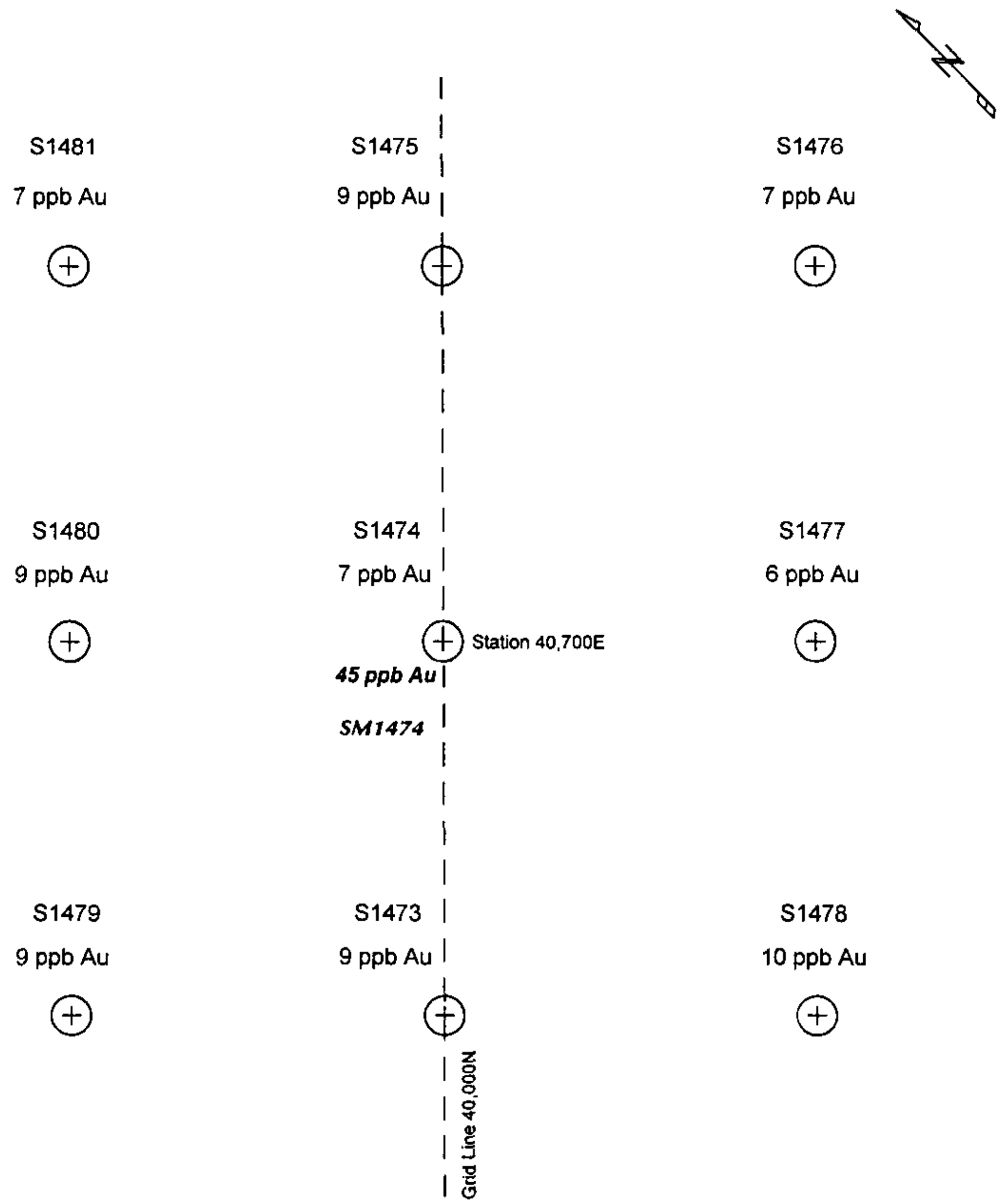
Legend

S1733	Soil sample number, re-sampling program
8 ppb Au	Geochemical result,re-sampling program
⊕	Sample location
30 ppb Au	Geochemical result, initial sampling, 1989-1990
SM1733	Original Sample Location

Scale



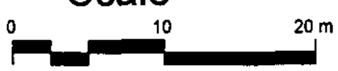
Birch Mountain Resources Ltd.		
Geochemistry Program SM1733 EAGLE Project, B.C.		
Scale: 1:500	NTS: 93 N/2	
Drawn by: DAB	Date: 1996.11.14	Fig. A.6.8



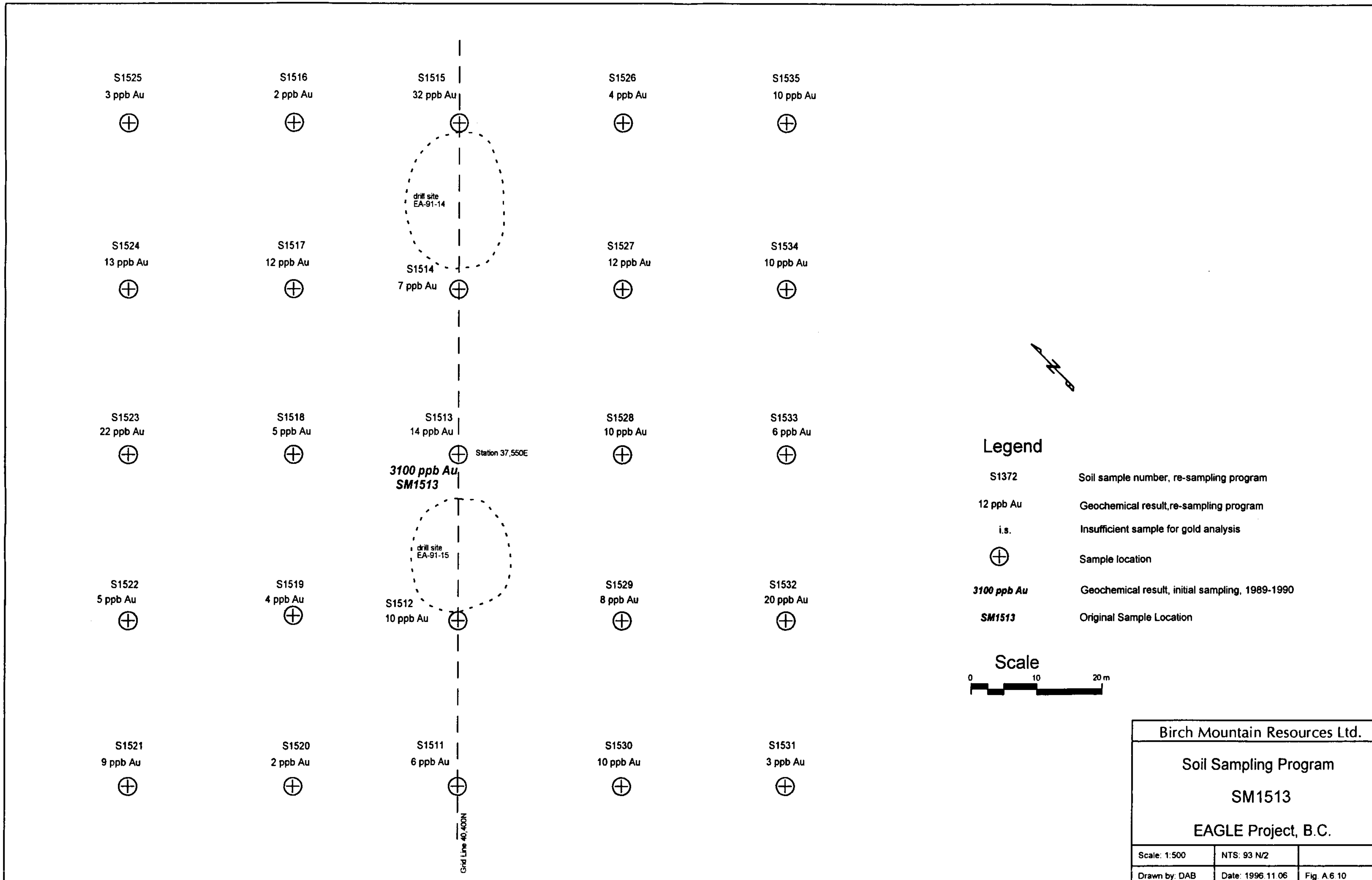
Legend

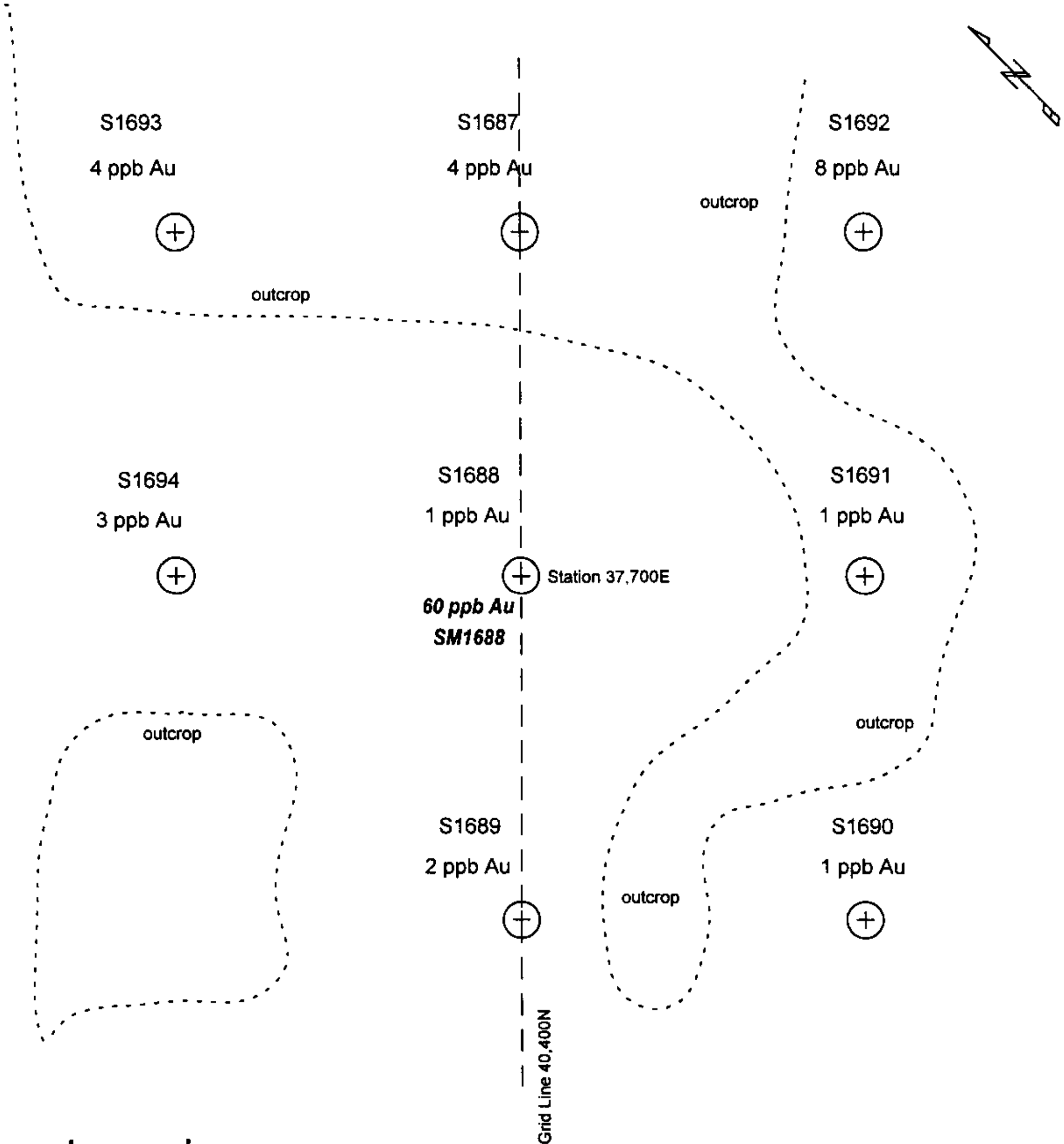
S1450	Soil sample number, re-sampling program
12 ppb Au	Geochemical result,re-sampling program
⊕	Sample location
45 ppb Au	Geochemical result, initial sampling, 1989-1990
SM1474	Original Sample Location

Scale



Birch Mountain Resources Ltd.		
Geochemistry Program SM1474 EAGLE Project, B.C.		
Scale: 1:500	NTS: 93 N/2	
Drawn by: DAB	Date: 1996.11.06	Fig. A.6.9


S1525
3 ppb Au
S1516
2 ppb Au
S1515
32 ppb Au
S1526
4 ppb Au
S1535
10 ppb Au
drill site
EA-91-14
S1524
13 ppb Au
S1517
12 ppb Au
S1514
7 ppb Au
S1527
12 ppb Au
S1534
10 ppb Au
S1523
22 ppb Au
S1518
5 ppb Au
S1513
14 ppb Au
Station 37,550E
3100 ppb Au
SM1513
S1528
10 ppb Au
S1533
6 ppb Au
drill site
EA-91-15
S1522
5 ppb Au
S1519
4 ppb Au
S1512
10 ppb Au
S1529
8 ppb Au
S1532
20 ppb Au
S1521
9 ppb Au
S1520
2 ppb Au
S1511
6 ppb Au
S1530
10 ppb Au
S1531
3 ppb Au
Grid Line 40,400N
N
Legend
S1372 Soil sample number, re-sampling program
12 ppb Au Geochemical result,re-sampling program
i.s. Insufficient sample for gold analysis
Sample location
3100 ppb Au Geochemical result, initial sampling, 1989-1990
SM1513 Original Sample Location
Scale
0
10
20 m
Birch Mountain Resources Ltd.
Soil Sampling Program
SM1513
EAGLE Project, B.C.
Scale: 1:500
NTS: 93 N/2
Drawn by: DAB
Date: 1996.11.06
Fig. A6.10



Legend

S1694	Soil sample number, re-sampling program
5 ppb Au	Geochemical result,re-sampling program
⊕	Sample location
60 ppb Au	Geochemical result, initial sampling, 1989-1990
SM1688	Original Sample Location

Scale

0 10 20 m

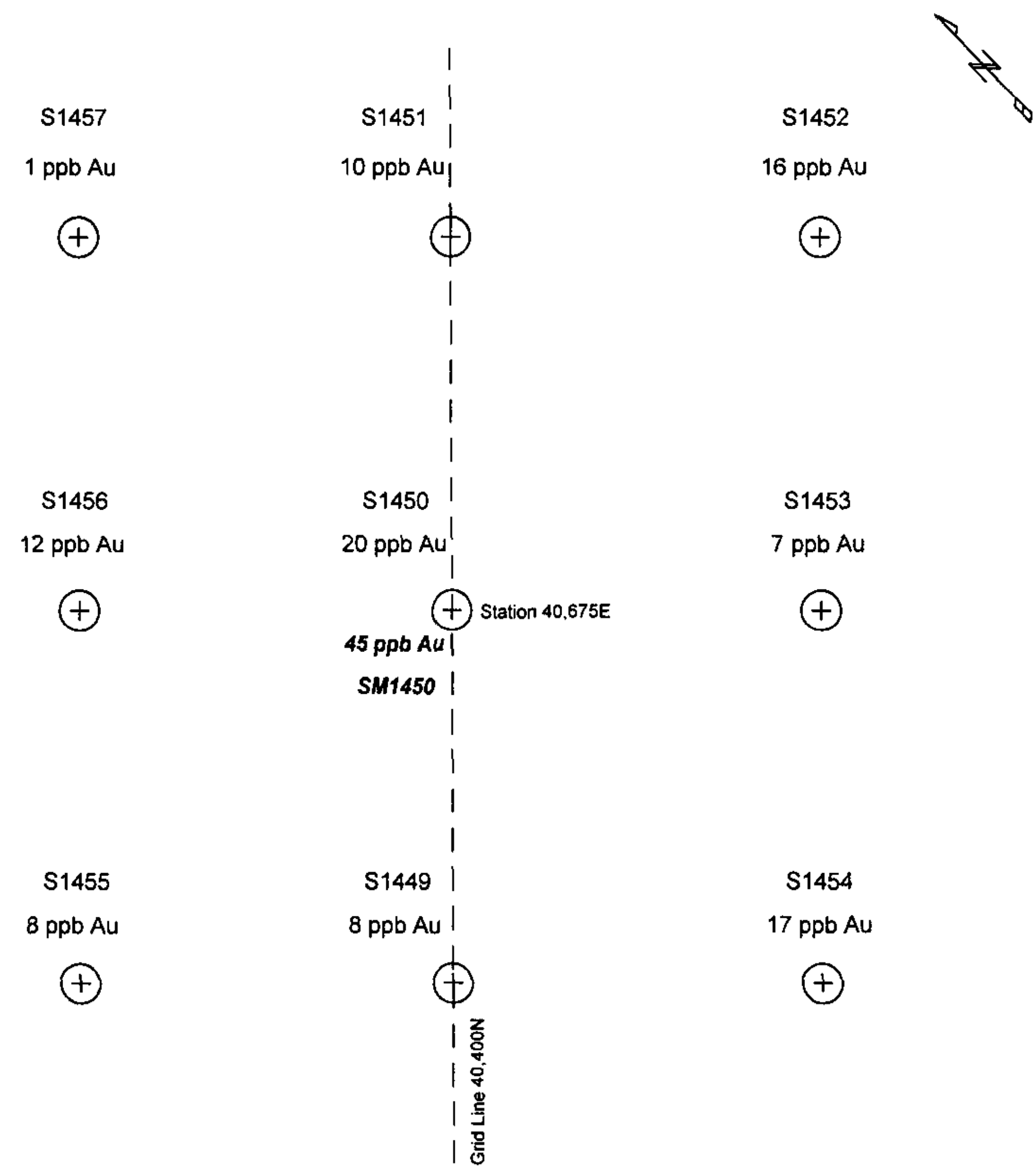
Birch Mountain Resources Ltd.

Geochemistry Program

SM1688

EAGLE Project, B.C.

Scale: 1:500	NTS: 93 N/2	
Drawn by: DAB	Date: 1996.11.12	Fig. A.6.11



Legend

S1450	Soil sample number, re-sampling program
12 ppb Au	Geochemical result,re-sampling program
⊕	Sample location
45 ppb Au	Geochemical result, initial sampling, 1989-1990
SM1450	Original Sample Location

Scale

0 10 20 m

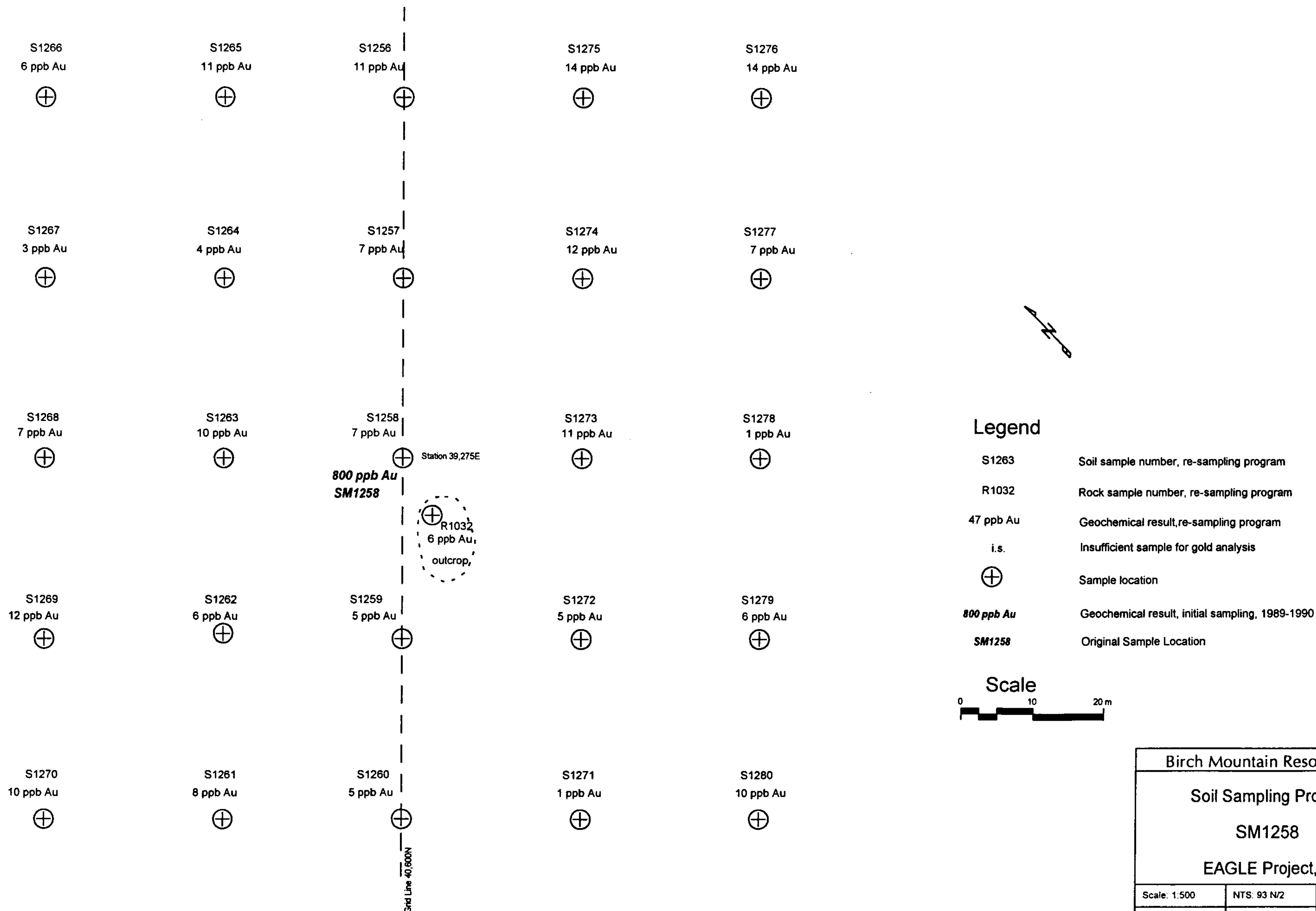
Birch Mountain Resources Ltd.

Geochemistry Program

SM1450

EAGLE Project, B.C.

Scale: 1:500	NTS: 93 N/2	
Drawn by: DAB	Date: 1996.11.06	Fig. A.6.12



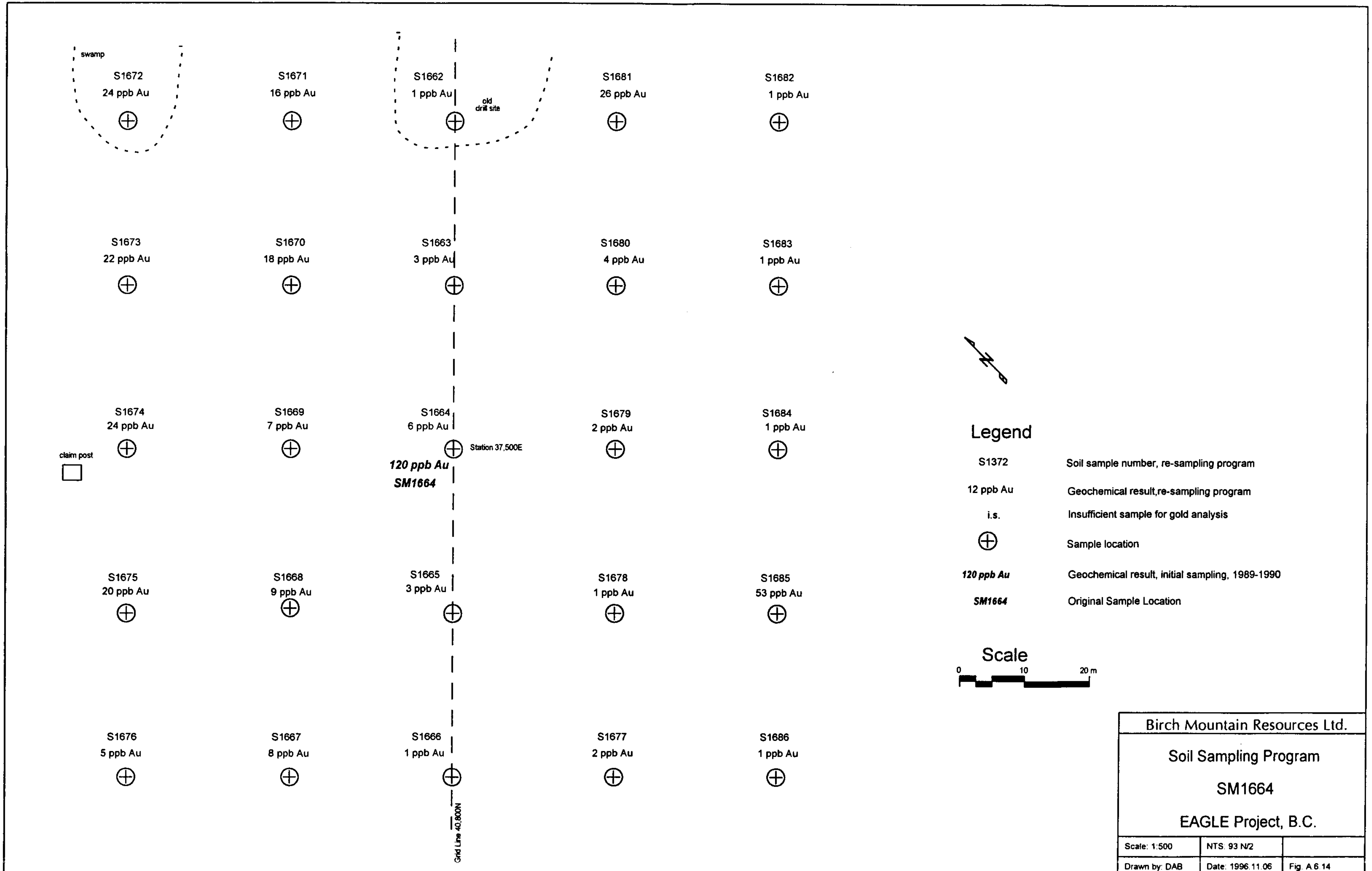
Birch Mountain Resources Ltd.

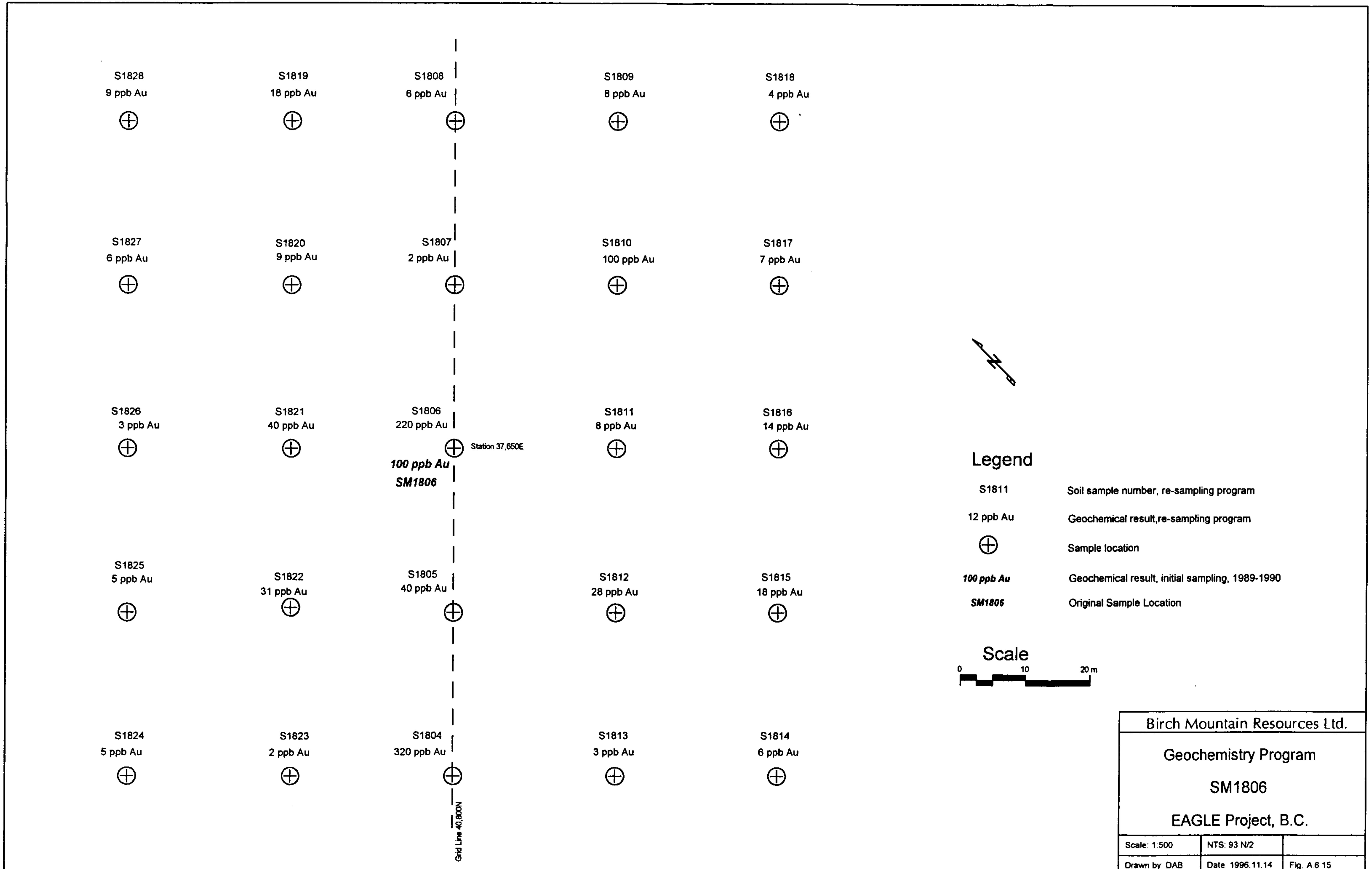
Soil Sampling Program

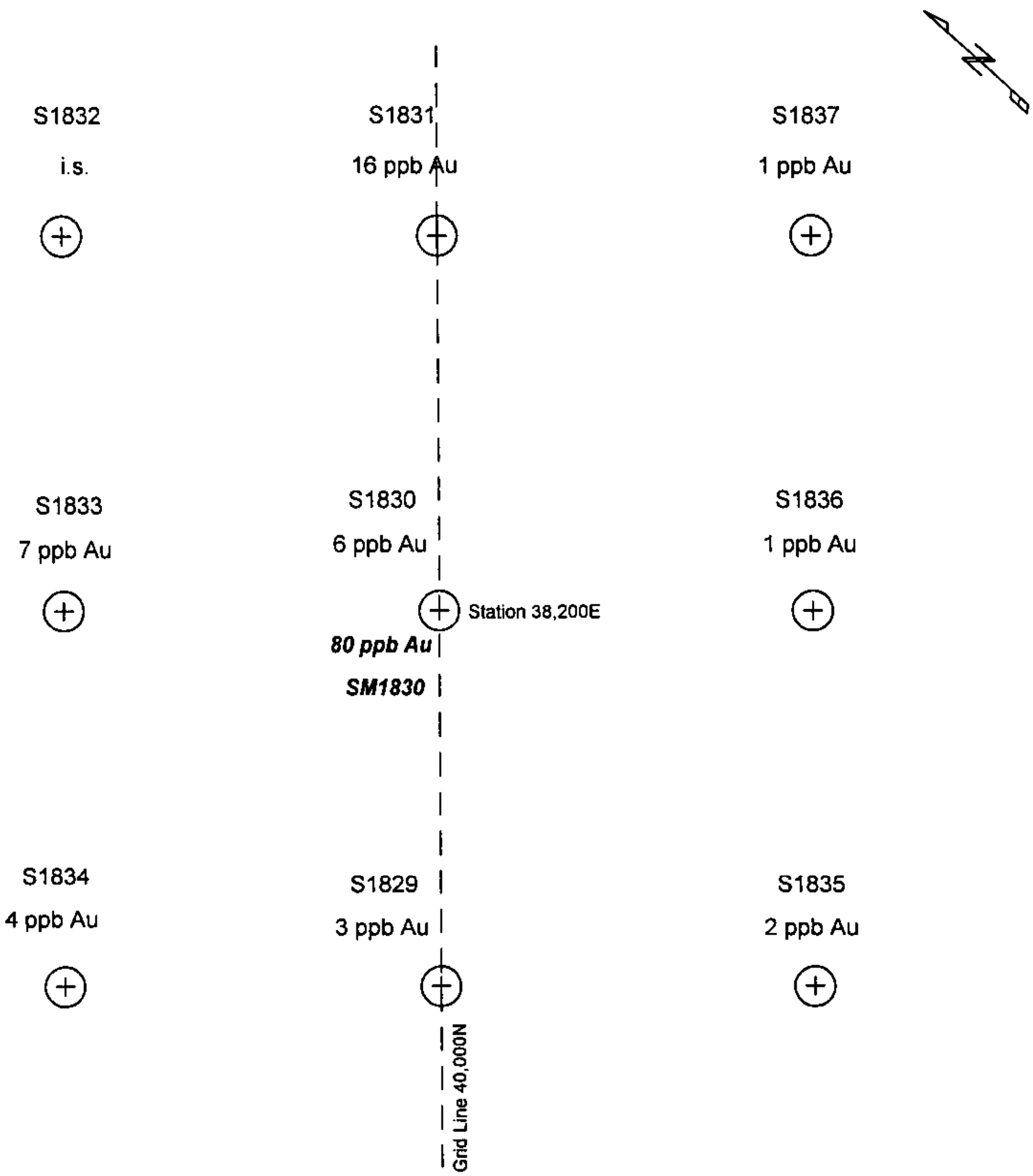
SM1258

EAGLE Project, B.C.

Scale: 1:500	NTS: 93 N/2	
Drawn by: DAB	Date: 1996.11.05	Fig. A6.13


swamp
S1672
24 ppb Au
S1671
16 ppb Au
S1662
1 ppb Au
old drill site
S1681
26 ppb Au
S1682
1 ppb Au
S1673
22 ppb Au
S1670
18 ppb Au
S1663
3 ppb Au
S1680
4 ppb Au
S1683
1 ppb Au
S1674
24 ppb Au
claim post
S1669
7 ppb Au
S1664
6 ppb Au
Station 37,500E
120 ppb Au
SM1664
S1679
2 ppb Au
S1684
1 ppb Au
S1675
20 ppb Au
S1668
9 ppb Au
S1665
3 ppb Au
S1678
1 ppb Au
S1685
53 ppb Au
S1676
5 ppb Au
S1667
8 ppb Au
S1666
1 ppb Au
S1677
2 ppb Au
S1686
1 ppb Au
Grid Line 40,800N
N
Legend
S1372 Soil sample number, re-sampling program
12 ppb Au Geochemical result,re-sampling program
i.s. Insufficient sample for gold analysis
Sample location
120 ppb Au Geochemical result, initial sampling, 1989-1990
SM1664 Original Sample Location
Scale
0
10
20 m
Birch Mountain Resources Ltd.
Soil Sampling Program
SM1664
EAGLE Project, B.C.
Scale: 1:500
NTS: 93 N/2
Drawn by: DAB
Date: 1996.11.06
Fig. A 6 14


S1828
9 ppb Au
S1819
18 ppb Au
S1808
6 ppb Au
S1809
8 ppb Au
S1818
4 ppb Au
S1827
6 ppb Au
S1820
9 ppb Au
S1807
2 ppb Au
S1810
100 ppb Au
S1817
7 ppb Au
S1826
3 ppb Au
S1821
40 ppb Au
S1806
220 ppb Au
Station 37,650E
100 ppb Au
SM1806
S1811
8 ppb Au
S1816
14 ppb Au
S1825
5 ppb Au
S1822
31 ppb Au
S1805
40 ppb Au
S1812
28 ppb Au
S1815
18 ppb Au
S1824
5 ppb Au
S1823
2 ppb Au
S1804
320 ppb Au
S1813
3 ppb Au
S1814
6 ppb Au
Grid Line 40,800N
N
Legend
S1811
Soil sample number, re-sampling program
12 ppb Au
Geochemical result,re-sampling program
Sample location
100 ppb Au
Geochemical result, initial sampling, 1989-1990
SM1806
Original Sample Location
Scale
0
10
20 m
Birch Mountain Resources Ltd.
Geochemistry Program
SM1806
EAGLE Project, B.C.
Scale: 1:500
NTS: 93 N/2
Drawn by: DAB
Date: 1996.11.14
Fig. A 6 15



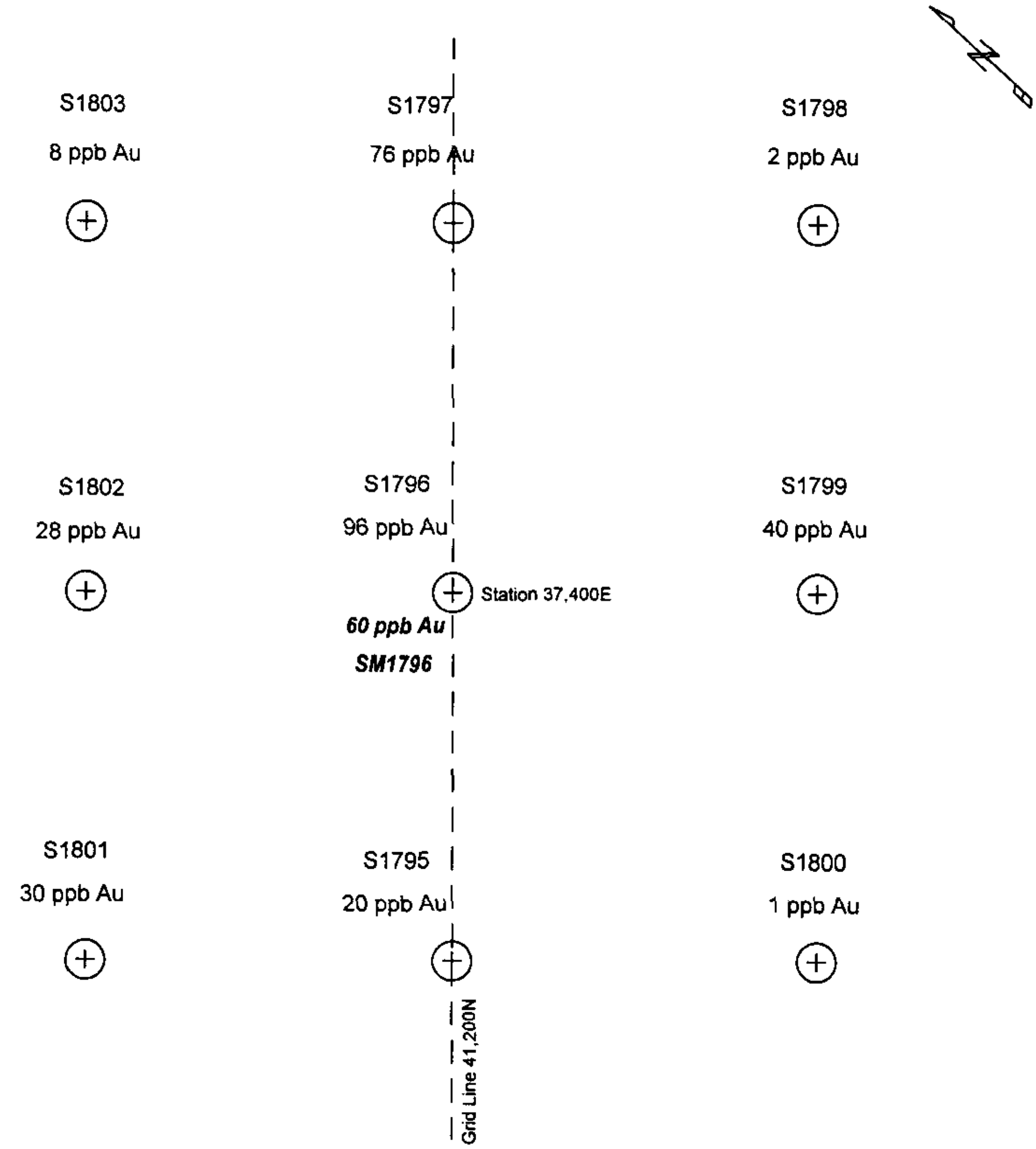
Legend

S1830	Soil sample number, re-sampling program
8 ppb Au	Geochemical result,re-sampling program
⊕	Sample location
80 ppb Au	Geochemical result, initial sampling, 1989-1990
SM1830	Original Sample Location

Scale

0 10 20 m

Birch Mountain Resources Ltd.		
Geochemistry Program SM1830 EAGLE Project, B.C.		
Scale: 1:500	NTS: 93 N/2	
Drawn by: DAB	Date: 1996.11.14	Fig. A.6.16



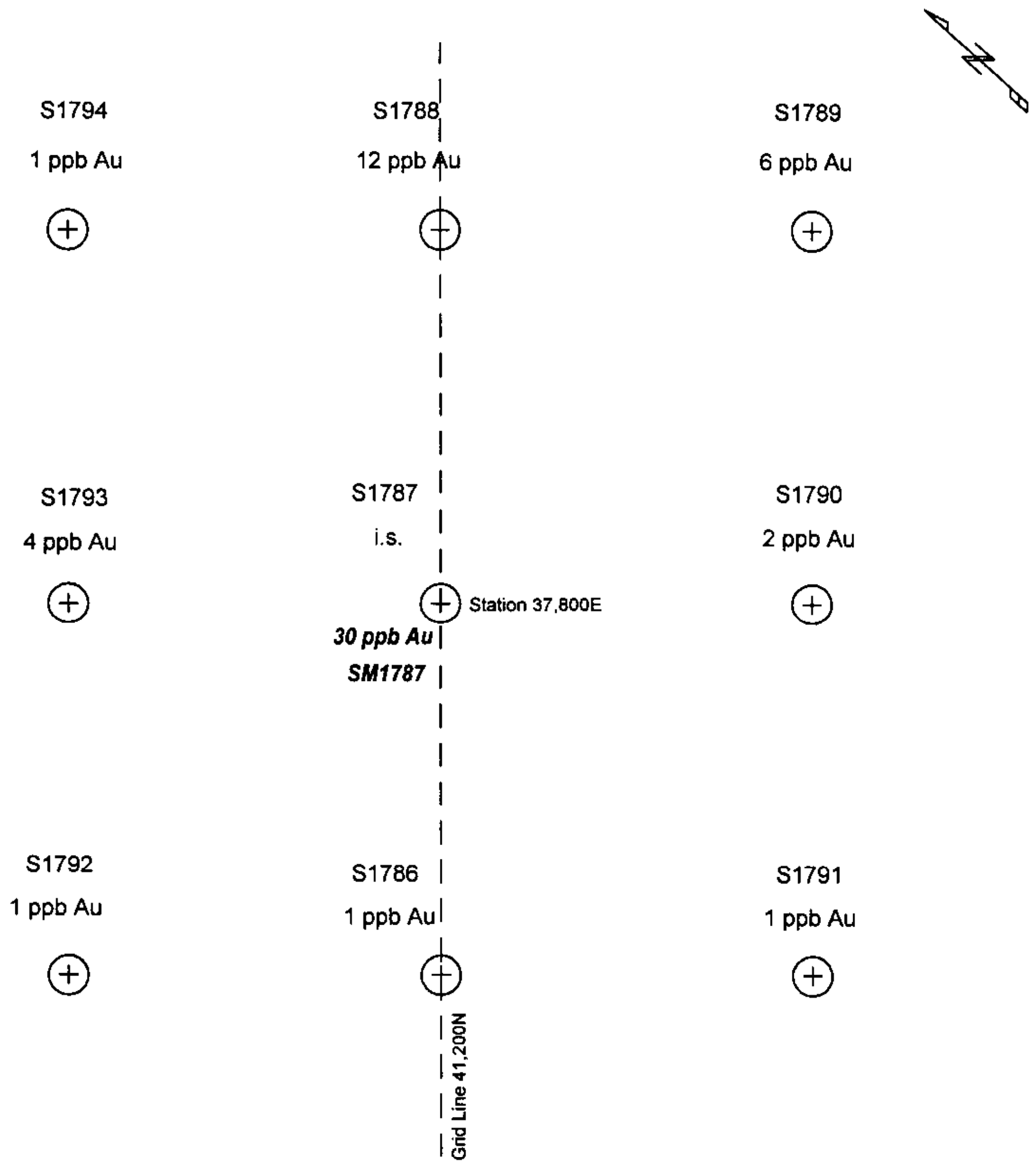
Legend

S1798	Soil sample number, re-sampling program
8 ppb Au	Geochemical result,re-sampling program
⊕	Sample location
60 ppb Au	Geochemical result, initial sampling, 1989-1990
SM1796	Original Sample Location

Scale

0 10 20 m

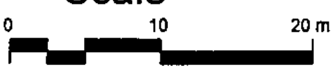
Birch Mountain Resources Ltd.		
Geochemistry Program SM1796 EAGLE Project, B.C.		
Scale: 1:500	NTS: 93 N/2	
Drawn by: DAB	Date: 1996.11.14	Fig. A.6.17



Legend

S1787	Soil sample number, re-sampling program
8 ppb Au	Geochemical result,re-sampling program
⊕	Sample location
30 ppb Au	Geochemical result, initial sampling, 1989-1990
SM1787	Original Sample Location

Scale



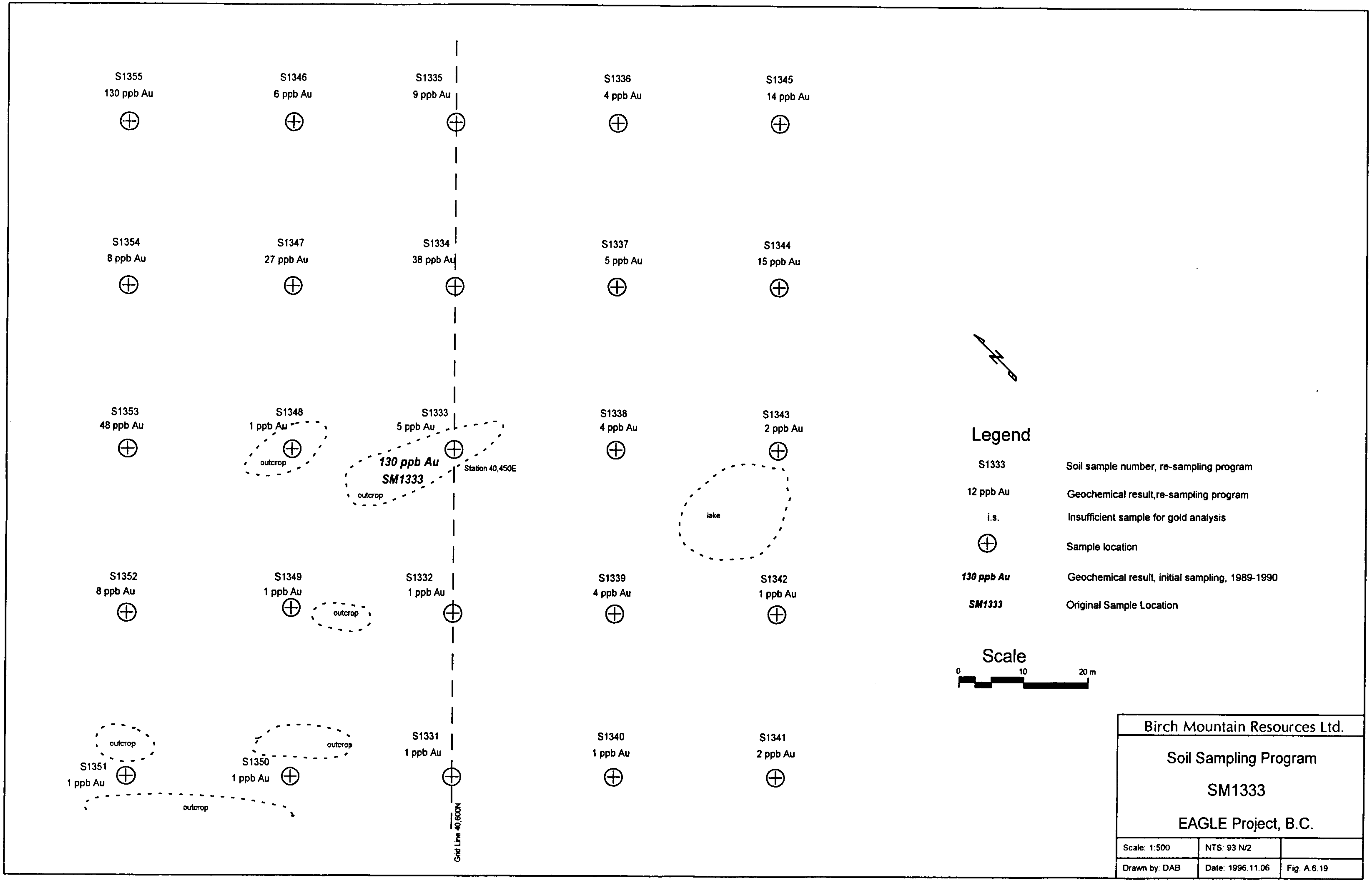
Birch Mountain Resources Ltd.

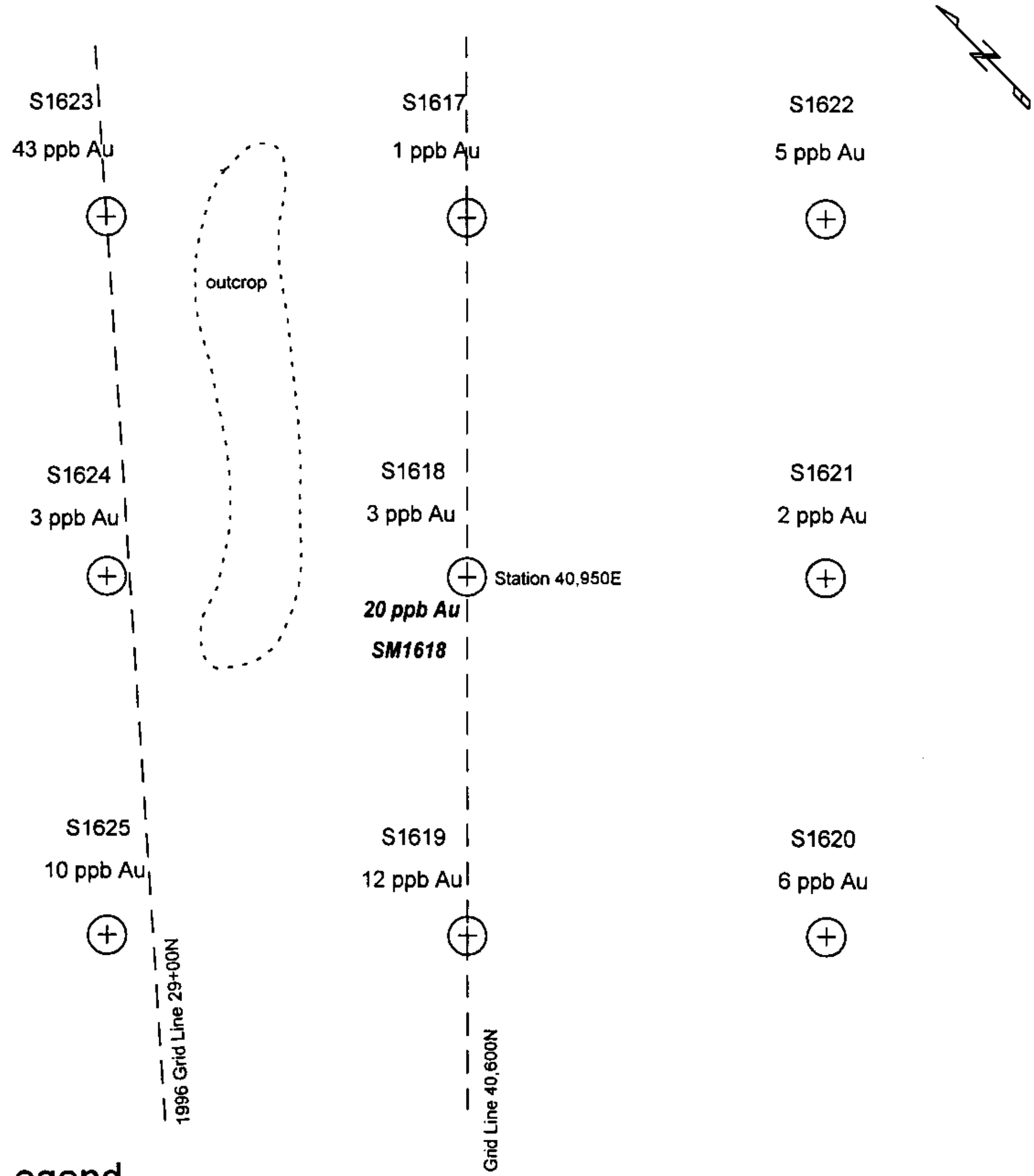
Geochemistry Program

SM1787

EAGLE Project, B.C.

Scale: 1:500	NTS: 93 N/2	
Drawn by: DAB	Date: 1996.11.14	Fig. A.6.18


S1355
130 ppb Au
S1346
6 ppb Au
S1335
9 ppb Au
S1336
4 ppb Au
S1345
14 ppb Au
S1354
8 ppb Au
S1347
27 ppb Au
S1334
38 ppb Au
S1337
5 ppb Au
S1344
15 ppb Au
S1353
48 ppb Au
S1348
1 ppb Au
outcrop
S1333
5 ppb Au
130 ppb Au
SM1333
outcrop
Station 40,450E
S1338
4 ppb Au
S1343
2 ppb Au
lake
S1352
8 ppb Au
S1349
1 ppb Au
outcrop
S1332
1 ppb Au
S1339
4 ppb Au
S1342
1 ppb Au
outcrop
outcrop
S1351
1 ppb Au
S1350
1 ppb Au
outcrop
S1331
1 ppb Au
S1340
1 ppb Au
S1341
2 ppb Au
Grid Line 40,600N
N
Legend
S1333 Soil sample number, re-sampling program
12 ppb Au Geochemical result,re-sampling program
i.s. Insufficient sample for gold analysis
Sample location
130 ppb Au Geochemical result, initial sampling, 1989-1990
SM1333 Original Sample Location
Scale
0
10
20 m
Birch Mountain Resources Ltd.
Soil Sampling Program
SM1333
EAGLE Project, B.C.
Scale: 1:500
NTS: 93 N/2
Drawn by: DAB
Date: 1996.11.06
Fig. A 6.19



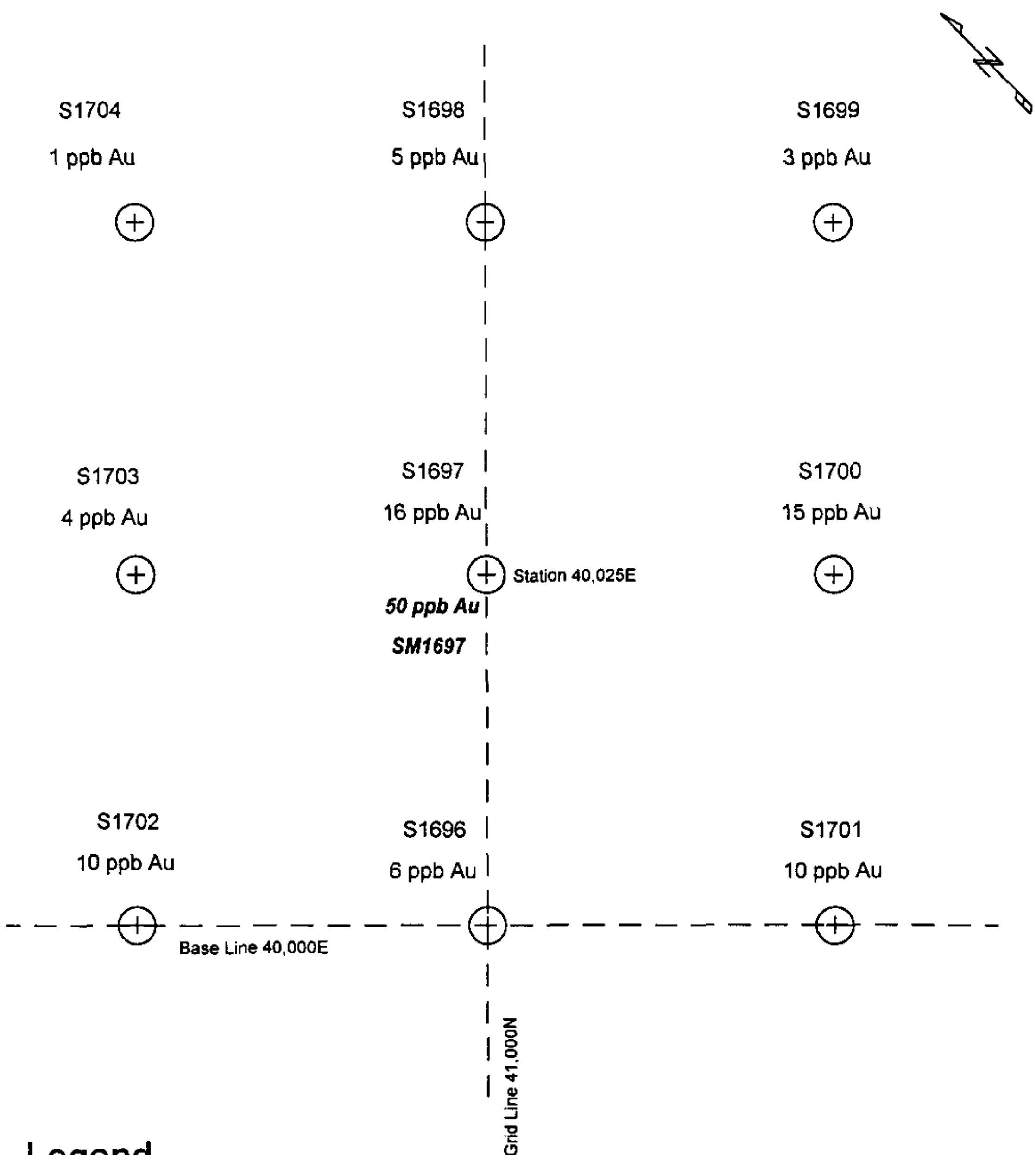
Legend

S1618	Soil sample number, re-sampling program
5 ppb Au	Geochemical result,re-sampling program
⊕	Sample location
20 ppb Au	Geochemical result, initial sampling, 1989-1990
SM1618	Original Sample Location

Scale

0 10 20 m

Birch Mountain Resources Ltd.		
Geochemistry Program SM1618 EAGLE Project, B.C.		
Scale: 1:500	NTS: 93 N/2	
Drawn by: DAB	Date: 1996.11.12	Fig. A.6.20



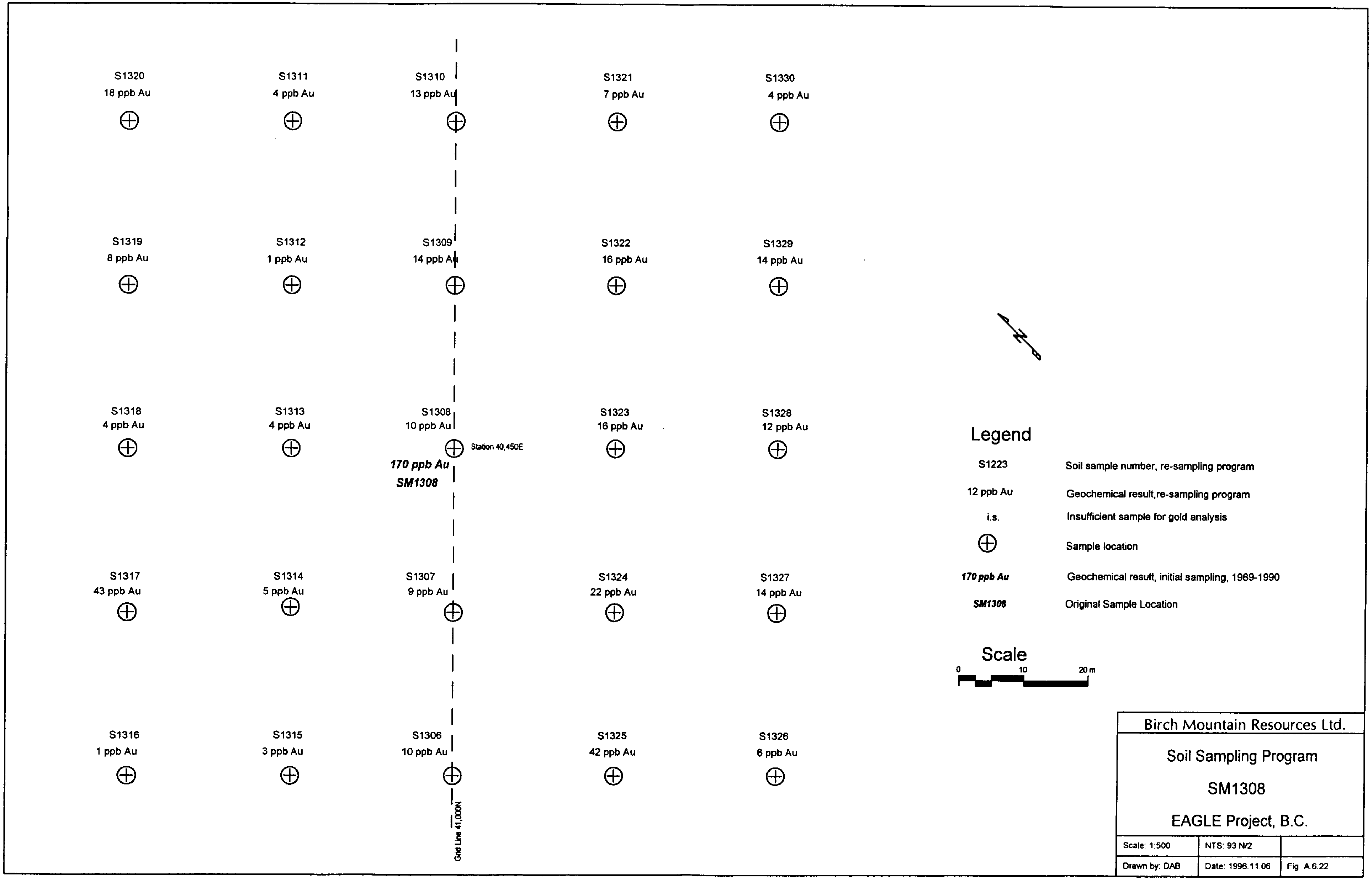
Legend

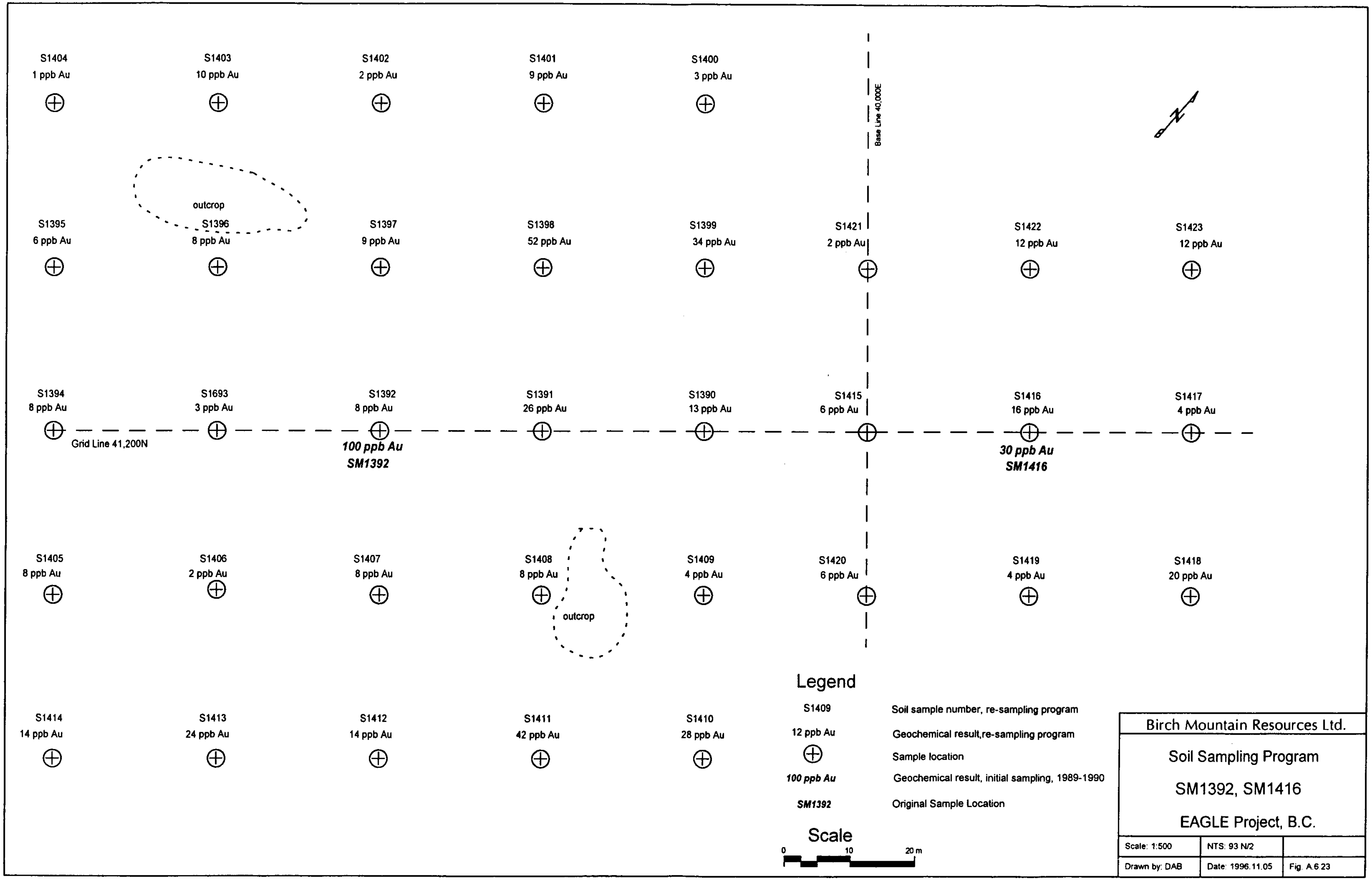
S1697	Soil sample number, re-sampling program
5 ppb Au	Geochemical result,re-sampling program
⊕	Sample location
50 ppb Au	Geochemical result, initial sampling, 1989-1990
SM1697	Original Sample Location

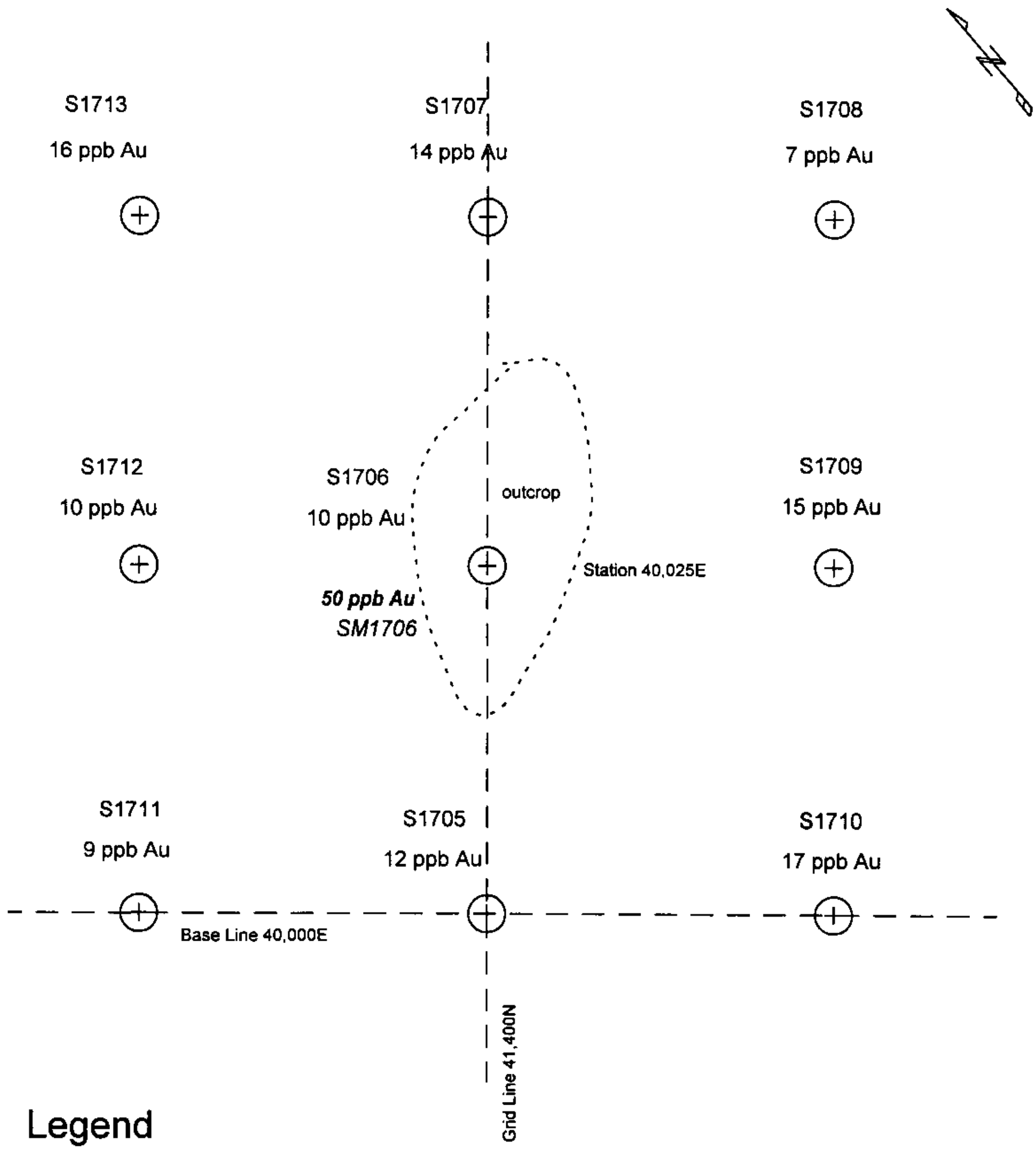
Scale

0 10 20 m

Birch Mountain Resources Ltd.		
Geochemistry Program SM1697 EAGLE Project, B.C.		
Scale: 1:500	NTS: 93 N/2	
Drawn by: DAB	Date: 1996.11.14	Fig. A.6.21


S1320
18 ppb Au
S1311
4 ppb Au
S1310
13 ppb Au
S1321
7 ppb Au
S1330
4 ppb Au
S1319
8 ppb Au
S1312
1 ppb Au
S1309
14 ppb Au
S1322
16 ppb Au
S1329
14 ppb Au
S1318
4 ppb Au
S1313
4 ppb Au
S1308
10 ppb Au
Station 40,450E
170 ppb Au
SM1308
S1323
16 ppb Au
S1328
12 ppb Au
S1317
43 ppb Au
S1314
5 ppb Au
S1307
9 ppb Au
S1324
22 ppb Au
S1327
14 ppb Au
S1316
1 ppb Au
S1315
3 ppb Au
S1306
10 ppb Au
S1325
42 ppb Au
S1326
6 ppb Au
Grid Line 41,000N
N
Legend
S1223 Soil sample number, re-sampling program
12 ppb Au Geochemical result,re-sampling program
i.s. Insufficient sample for gold analysis
Sample location
170 ppb Au Geochemical result, initial sampling, 1989-1990
SM1308 Original Sample Location
Scale
0
10
20 m
Birch Mountain Resources Ltd.
Soil Sampling Program
SM1308
EAGLE Project, B.C.
Scale: 1:500
NTS: 93 N/2
Drawn by: DAB
Date: 1996.11.06
Fig. A 6.22

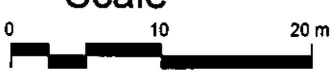

S1404
1 ppb Au
S1403
10 ppb Au
S1402
2 ppb Au
S1401
9 ppb Au
S1400
3 ppb Au
Base Line 40,000E
N
outcrop
S1395
6 ppb Au
S1396
8 ppb Au
S1397
9 ppb Au
S1398
52 ppb Au
S1399
34 ppb Au
S1421
2 ppb Au
S1422
12 ppb Au
S1423
12 ppb Au
S1394
8 ppb Au
S1693
3 ppb Au
S1392
8 ppb Au
S1391
26 ppb Au
S1390
13 ppb Au
S1415
6 ppb Au
S1416
16 ppb Au
S1417
4 ppb Au
Grid Line 41,200N
100 ppb Au
SM1392
30 ppb Au
SM1416
S1405
8 ppb Au
S1406
2 ppb Au
S1407
8 ppb Au
S1408
8 ppb Au
outcrop
S1409
4 ppb Au
S1420
6 ppb Au
S1419
4 ppb Au
S1418
20 ppb Au
S1414
14 ppb Au
S1413
24 ppb Au
S1412
14 ppb Au
S1411
42 ppb Au
S1410
28 ppb Au
Legend
S1409
Soil sample number, re-sampling program
12 ppb Au
Geochemical result,re-sampling program
Sample location
100 ppb Au
Geochemical result, initial sampling, 1989-1990
SM1392
Original Sample Location
Scale
0
10
20 m
Birch Mountain Resources Ltd.
Soil Sampling Program
SM1392, SM1416
EAGLE Project, B.C.
Scale: 1:500
NTS: 93 N/2
Drawn by: DAB
Date: 1996.11.05
Fig. A.6.23



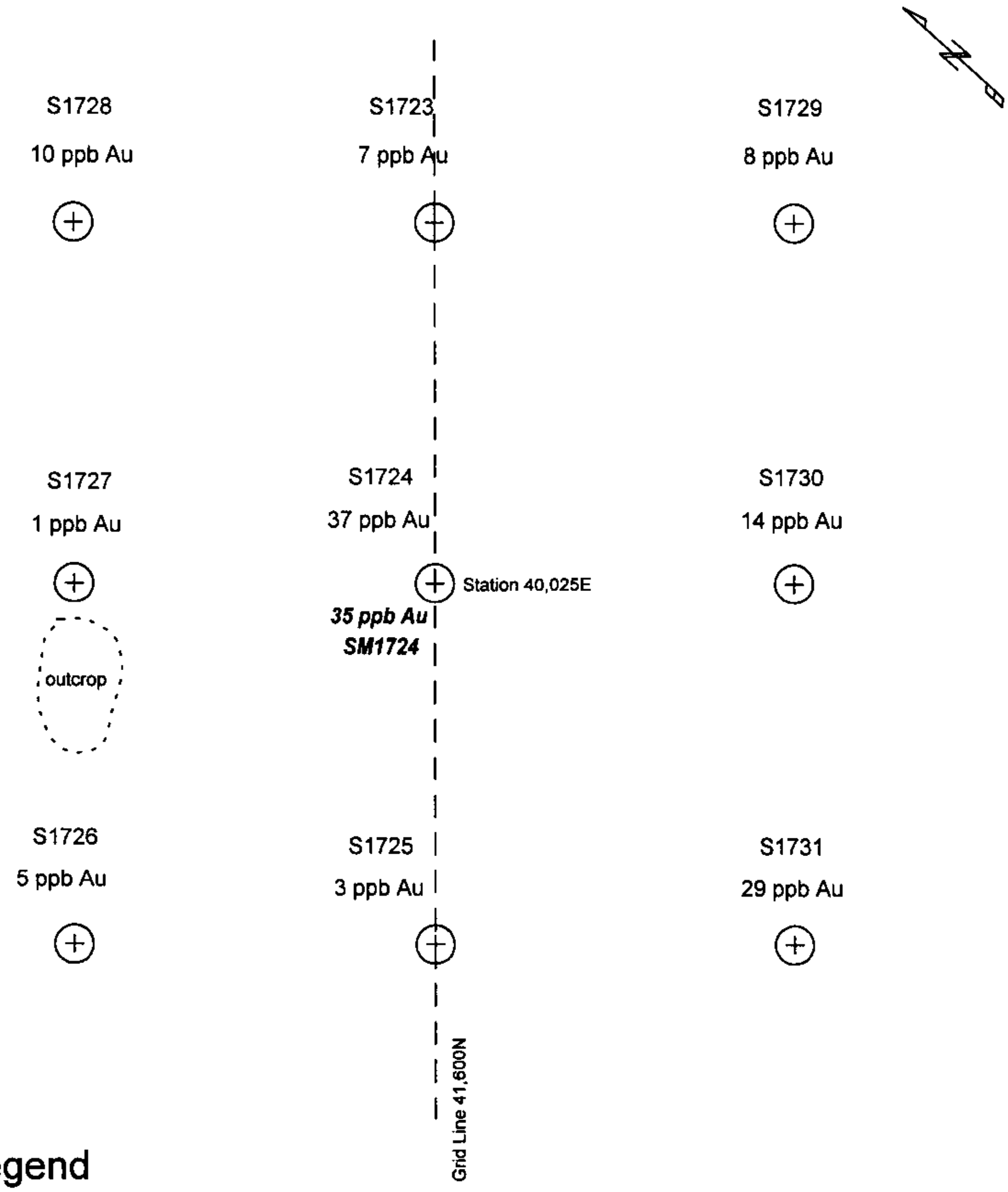
Legend

S1706	Soil sample number, re-sampling program
5 ppb Au	Geochemical result,re-sampling program
⊕	Sample location
50 ppb Au	Geochemical result, initial sampling, 1989-1990
SM1706	Original Sample Location

Scale



Birch Mountain Resources Ltd.		
Geochemistry Program SM1706 EAGLE Project, B.C.		
Scale: 1:500	NTS: 93 N/2	
Drawn by: DAB	Date: 1996.11.14	Fig. A.6.24



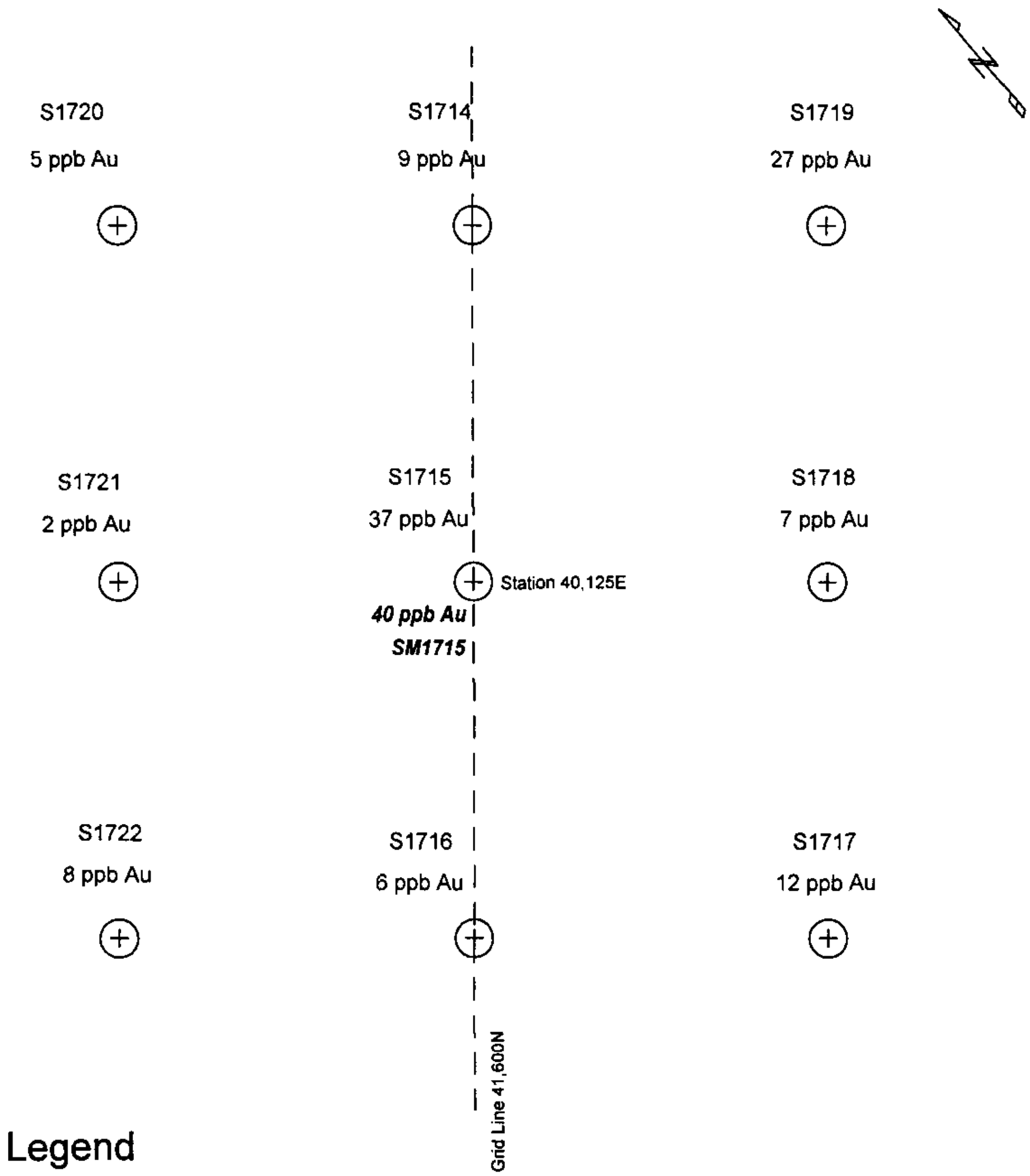
Legend

S1724	Soil sample number, re-sampling program
8 ppb Au	Geochemical result,re-sampling program
⊕	Sample location
35 ppb Au	Geochemical result, initial sampling, 1989-1990
SM1724	Original Sample Location

Scale

0 10 20 m

Birch Mountain Resources Ltd.		
Geochemistry Program		
SM1724		
EAGLE Project, B.C.		
Scale: 1:500	NTS: 93 N/2	
Drawn by: DAB	Date: 1996.11.14	Fig. A.6.25



Legend

S1718	Soil sample number, re-sampling program
5 ppb Au	Geochemical result,re-sampling program
⊕	Sample location
40 ppb Au	Geochemical result, initial sampling, 1989-1990
SM1715	Original Sample Location

Scale

0 10 20 m

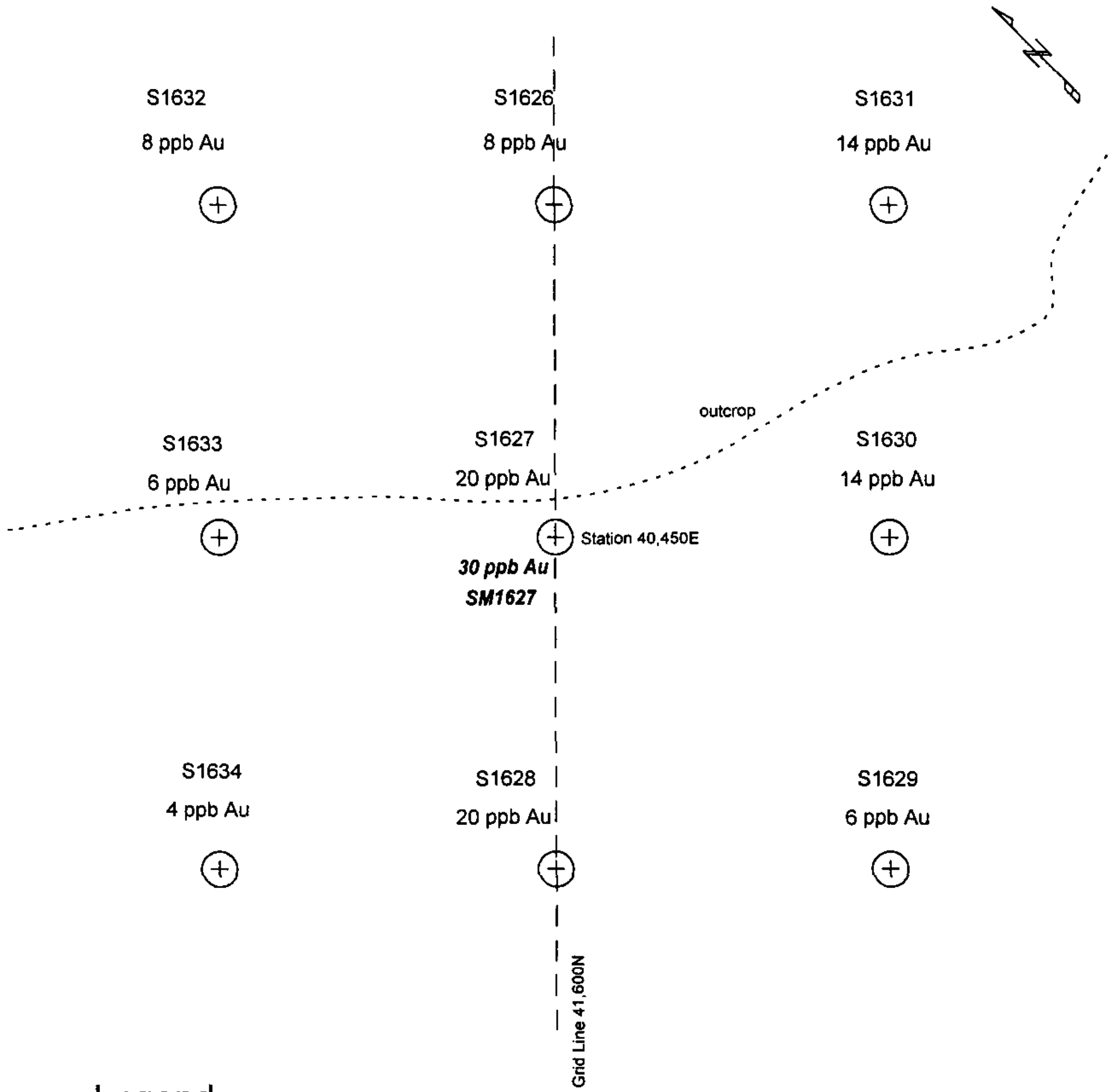
Birch Mountain Resources Ltd.

Geochemistry Program

SM1715

EAGLE Project, B.C.

Scale: 1:500	NTS: 93 N/2	
Drawn by: DAB	Date: 1996.11.14	Fig. A.6.26



Legend

S1630	Soil sample number, re-sampling program
5 ppb Au	Geochemical result,re-sampling program
⊕	Sample location
30 ppb Au	Geochemical result, initial sampling, 1989-1990
SM1627	Original Sample Location

Scale

0 10 20 m

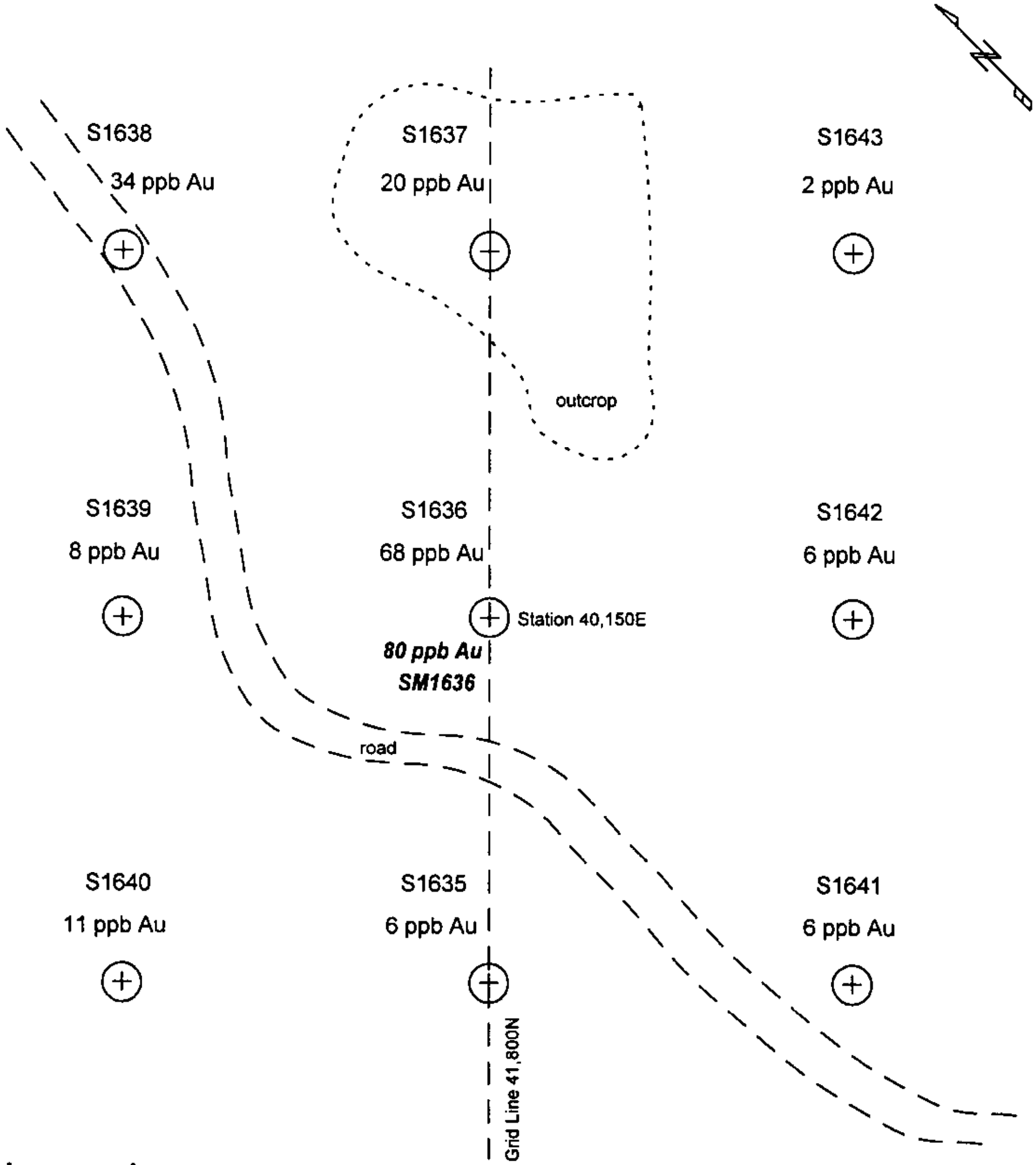
Birch Mountain Resources Ltd.

Geochemistry Program

SM1627

EAGLE Project, B.C.

Scale: 1:500	NTS: 93 N/2	
Drawn by: DAB	Date: 1996.11.12	Fig. A.6.27



Legend

S1636	Soil sample number, re-sampling program
12 ppb Au	Geochemical result,re-sampling program
⊕	Sample location
80 ppb Au	Geochemical result, initial sampling, 1989-1990
SM1636	Original Sample Location

Scale

0 10 20 m

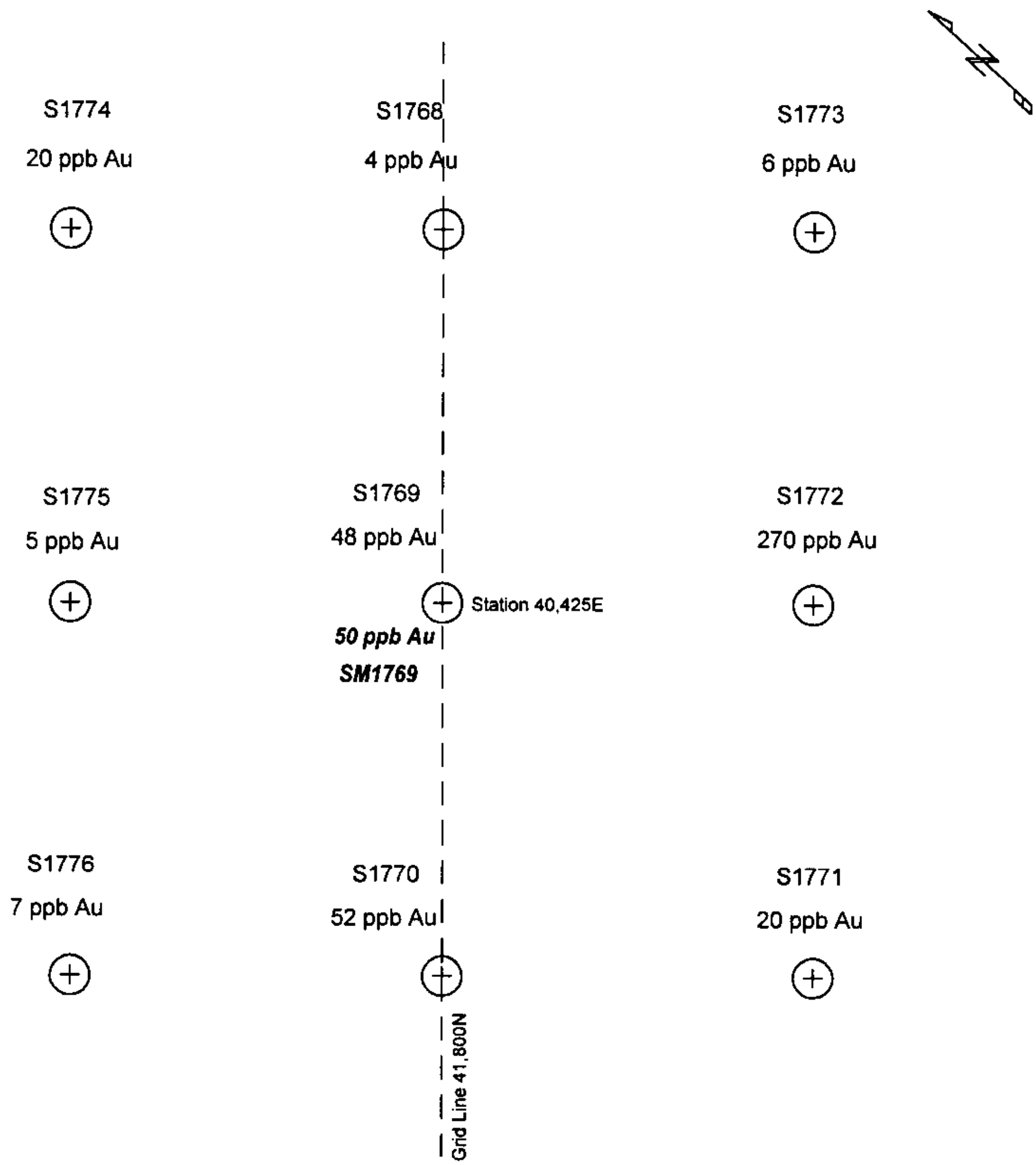
Birch Mountain Resources Ltd.

Geochemistry Program

SM1636

EAGLE Project, B.C.

Scale: 1:500	NTS: 93 N/2	
Drawn by: DAB	Date: 1996.11.06	Fig. A.6.28



Legend

S1769	Soil sample number, re-sampling program
8 ppb Au	Geochemical result,re-sampling program
⊕	Sample location
50 ppb Au	Geochemical result, initial sampling, 1989-1990
SM1769	Original Sample Location

Scale

0 10 20 m

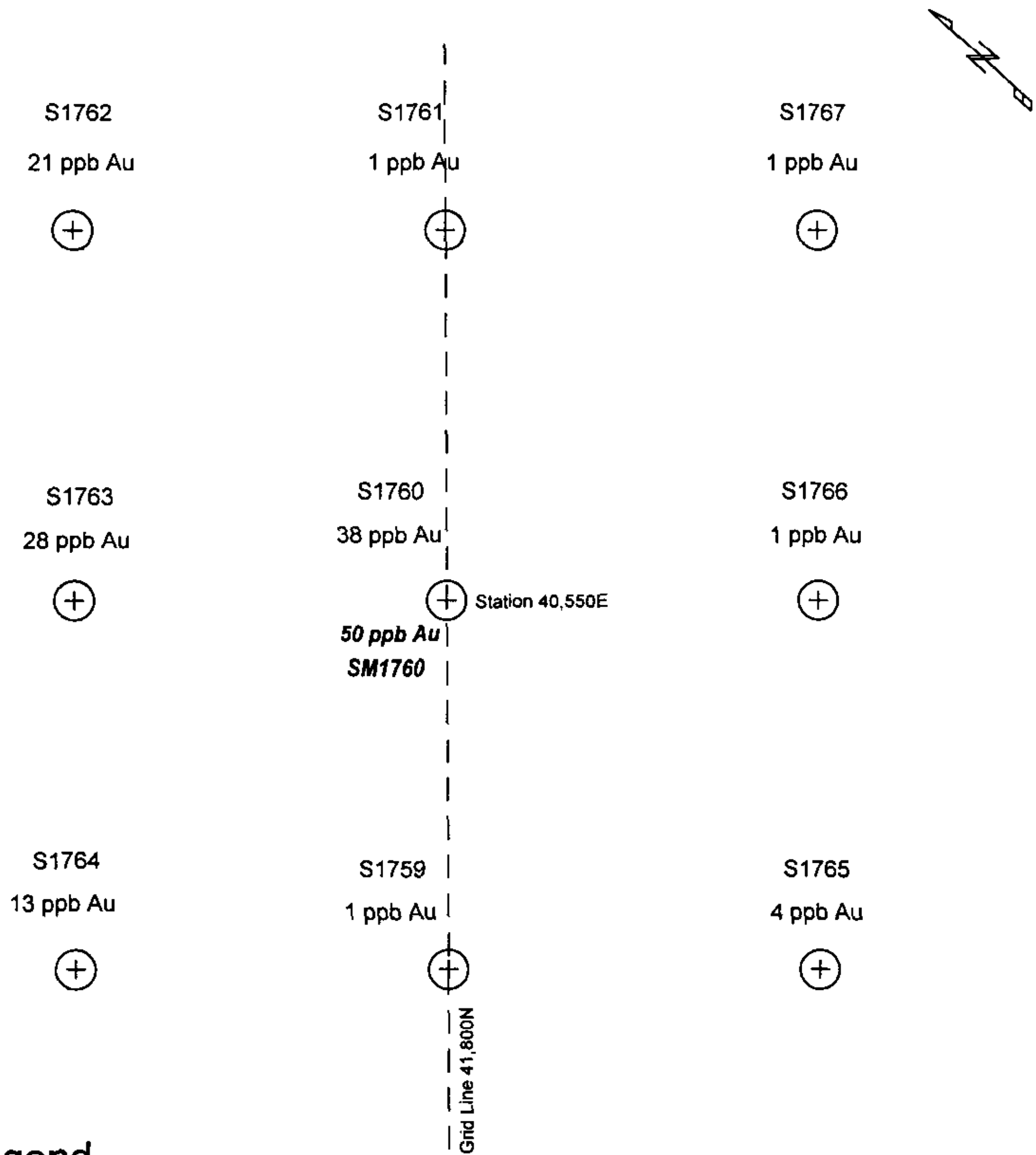
Birch Mountain Resources Ltd.

Geochemistry Program

SM1769

EAGLE Project, B.C.

Scale: 1:500	NTS: 93 N/2	
Drawn by: DAB	Date: 1996.11.14	Fig. A.6.29



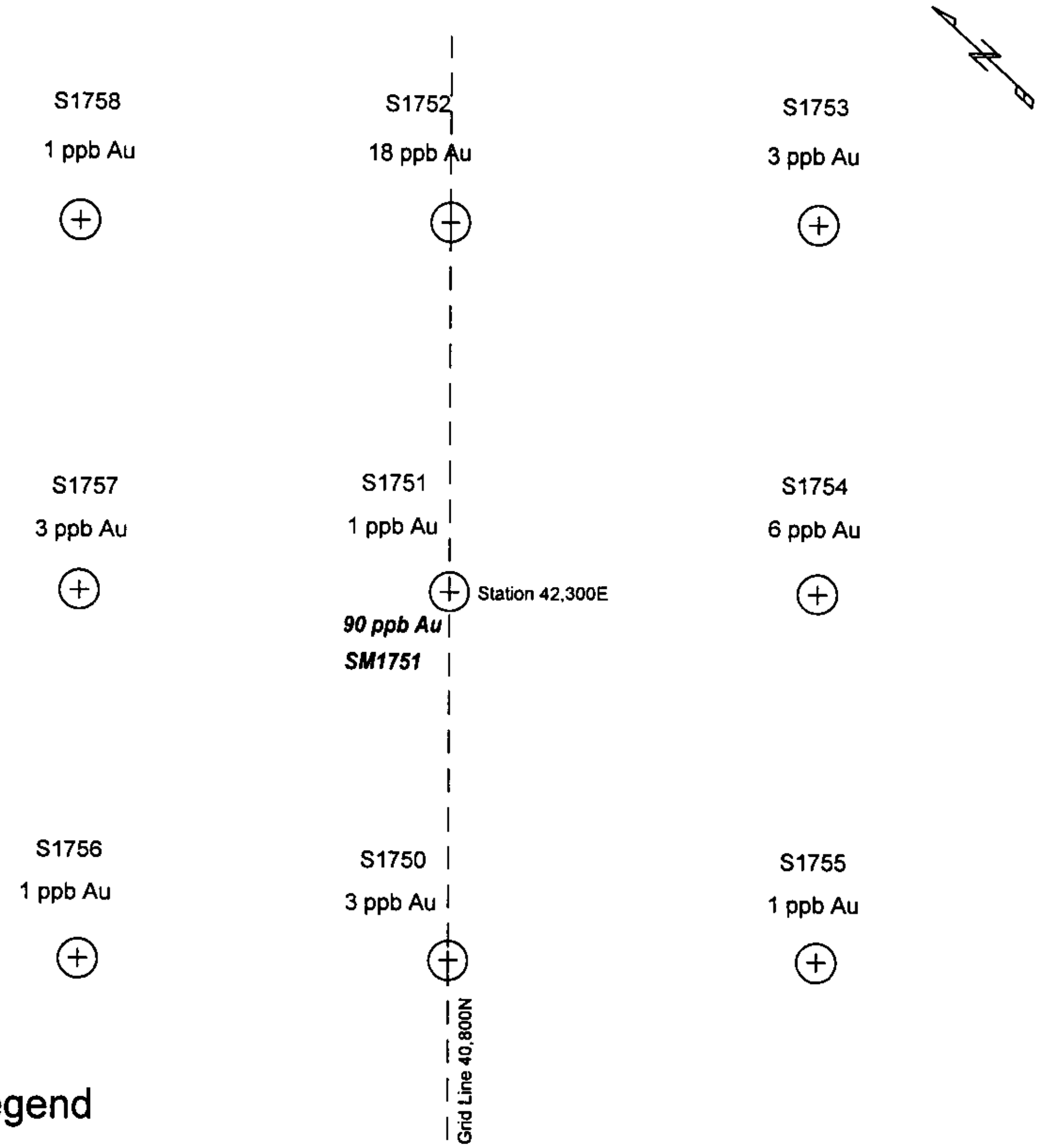
Legend

S1761	Soil sample number, re-sampling program
8 ppb Au	Geochemical result,re-sampling program
⊕	Sample location
50 ppb Au	Geochemical result, initial sampling, 1989-1990
SM1760	Original Sample Location

Scale

0 10 20 m

Birch Mountain Resources Ltd.		
Geochemistry Program SM1760 EAGLE Project, B.C.		
Scale: 1:500	NTS: 93 N/2	
Drawn by: DAB	Date: 1996.11.14	Fig. A.6.30



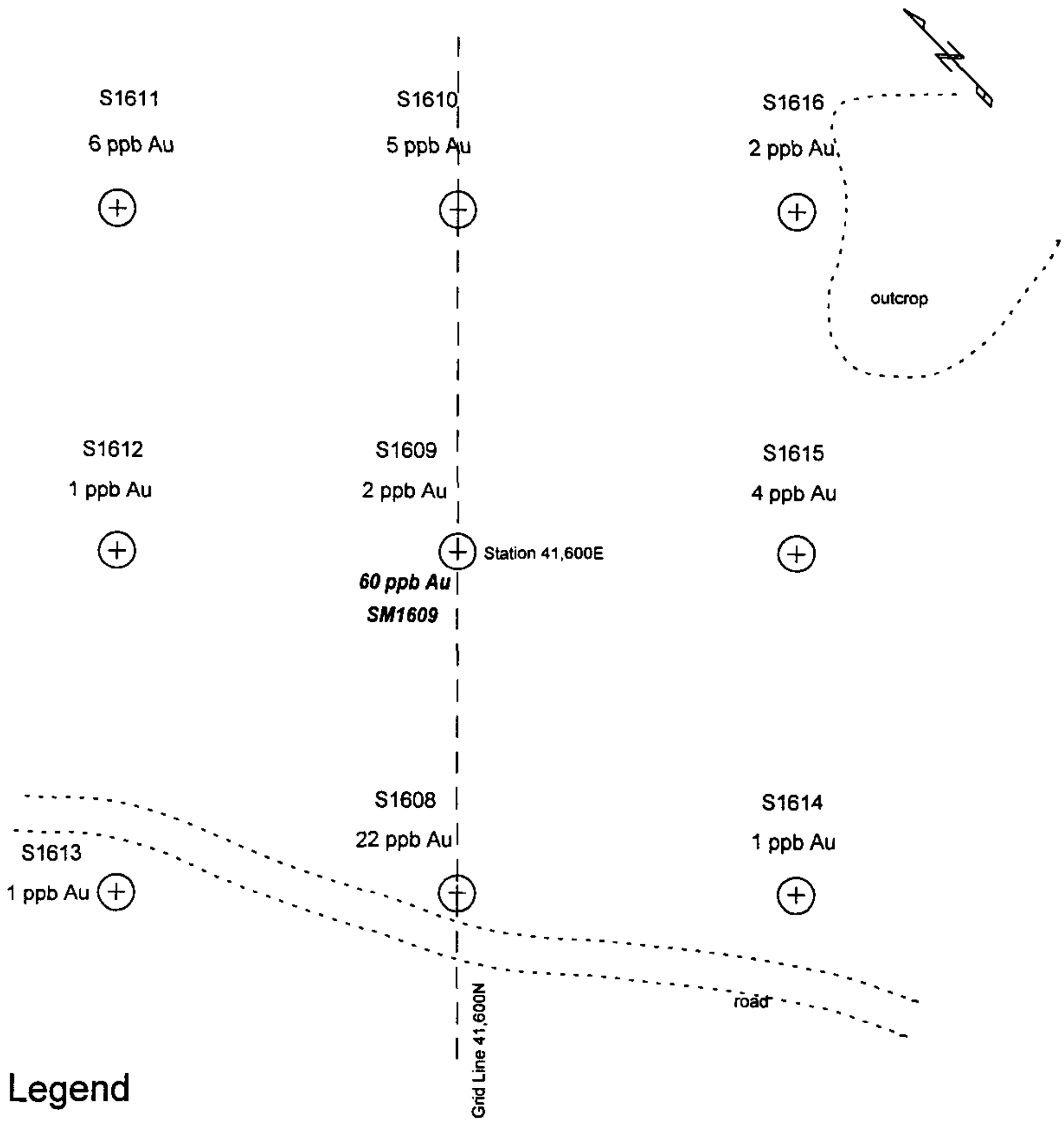
Legend

S1757	Soil sample number, re-sampling program
8 ppb Au	Geochemical result,re-sampling program
⊕	Sample location
90 ppb Au	Geochemical result, initial sampling, 1989-1990
SM1751	Original Sample Location

Scale

0 10 20 m

Birch Mountain Resources Ltd.		
Geochemistry Program SM1751 EAGLE Project, B.C.		
Scale: 1:500	NTS: 93 N/2	
Drawn by: DAB	Date: 1996.11.14	Fig. A.6.31



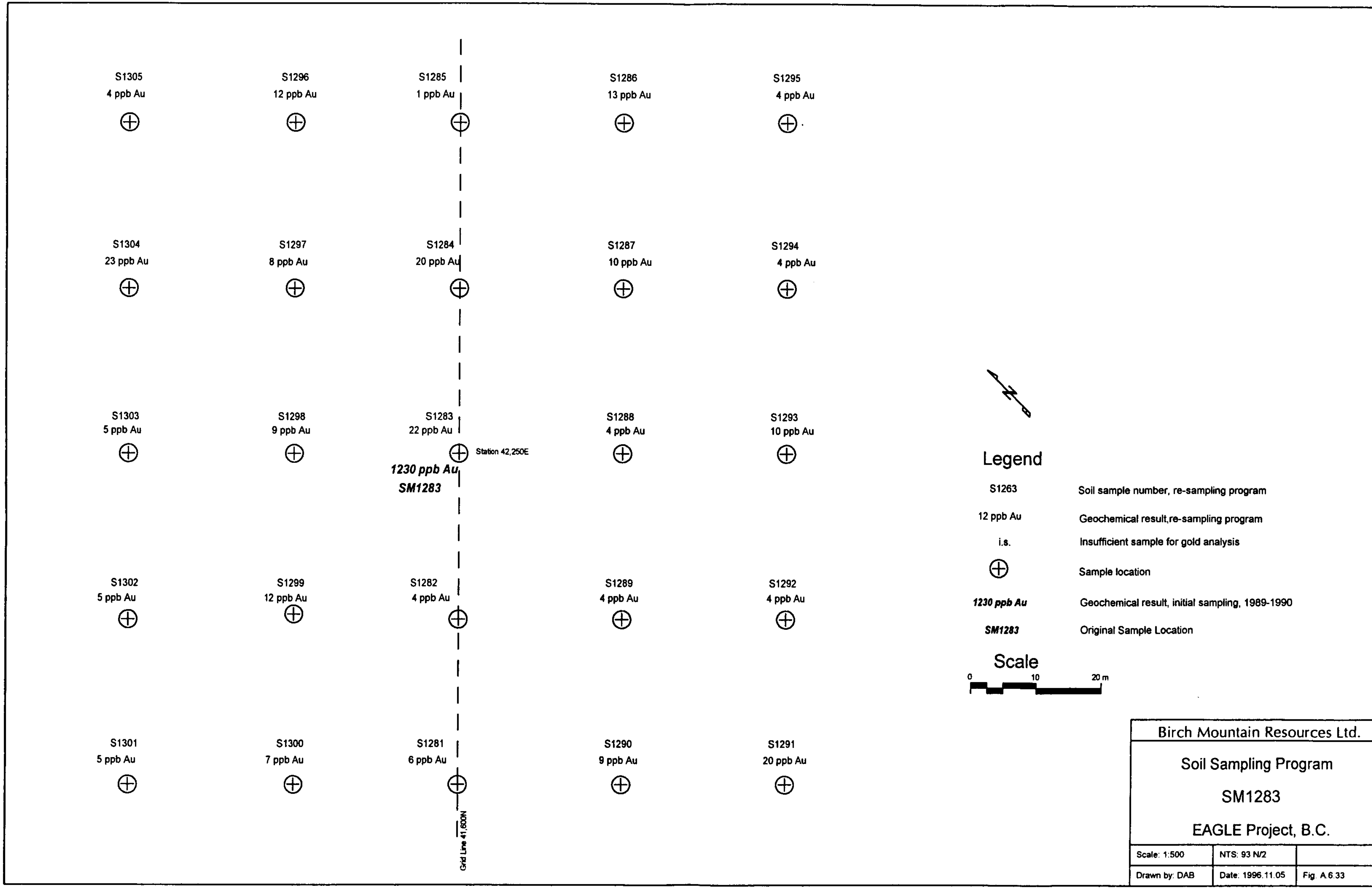
Legend

S1609	Soil sample number, re-sampling program
4 ppb Au	Geochemical result,re-sampling program
⊕	Sample location
60 ppb Au	Geochemical result, initial sampling, 1989-1990
SM1609	Original Sample Location

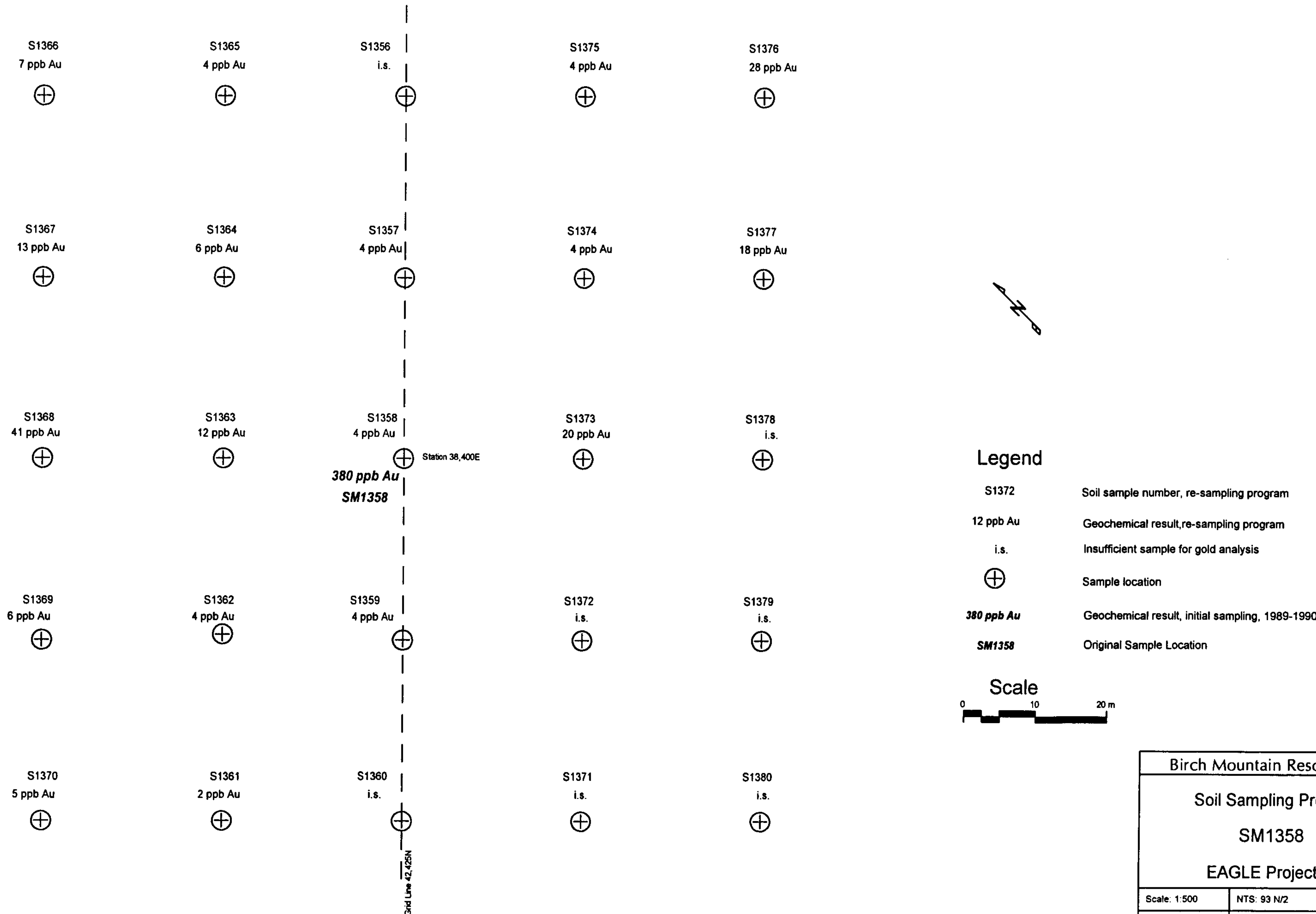
Scale

0 10 20 m

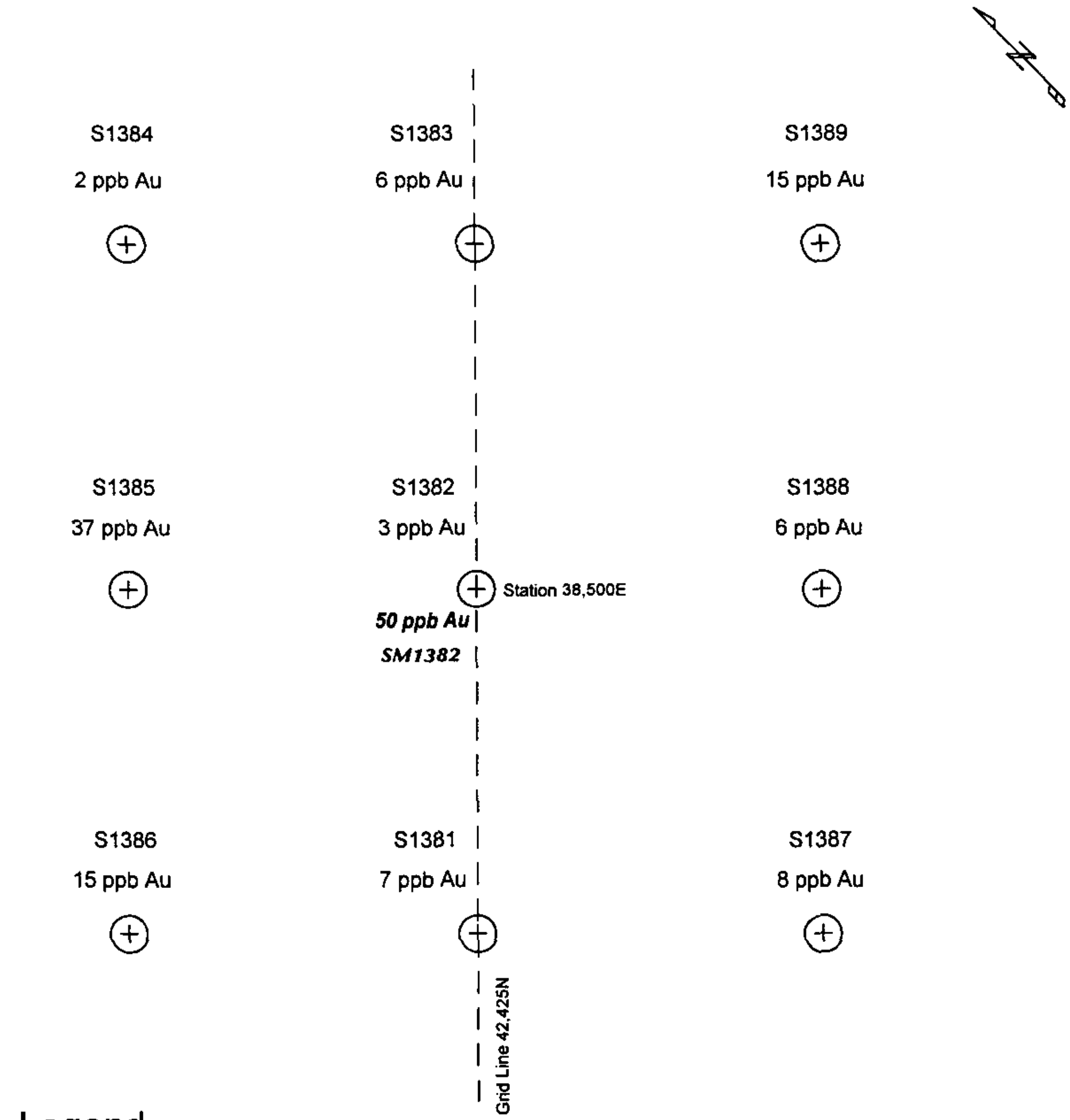
Birch Mountain Resources Ltd.		
Geochemistry Program SM1609 EAGLE Project, B.C.		
Scale: 1:500	NTS: 93 N/2	
Drawn by: DAB	Date: 1996.11.12	Fig. A.6.32



S1305
4 ppb Au
S1296
12 ppb Au
S1285
1 ppb Au
S1286
13 ppb Au
S1295
4 ppb Au
S1304
23 ppb Au
S1297
8 ppb Au
S1284
20 ppb Au
S1287
10 ppb Au
S1294
4 ppb Au
S1303
5 ppb Au
S1298
9 ppb Au
S1283
22 ppb Au
Station 42,250E
1230 ppb Au
SM1283
S1288
4 ppb Au
S1293
10 ppb Au
S1302
5 ppb Au
S1299
12 ppb Au
S1282
4 ppb Au
S1289
4 ppb Au
S1292
4 ppb Au
S1301
5 ppb Au
S1300
7 ppb Au
S1281
6 ppb Au
S1290
9 ppb Au
S1291
20 ppb Au
Grid Line 41,600N
N
Legend
S1263 Soil sample number, re-sampling program
12 ppb Au Geochemical result,re-sampling program
i.s. Insufficient sample for gold analysis
Sample location
1230 ppb Au Geochemical result, initial sampling, 1989-1990
SM1283 Original Sample Location
Scale
0 10 20 m
Birch Mountain Resources Ltd.
Soil Sampling Program
SM1283
EAGLE Project, B.C.
Scale: 1:500
NTS: 93 N/2
Drawn by: DAB
Date: 1996.11.05
Fig. A.6.33



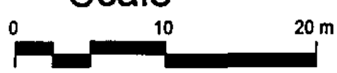
Birch Mountain Resources Ltd.		
Soil Sampling Program SM1358 EAGLE Project, B.C.		
Scale: 1:500	NTS: 93 N/2	
Drawn by: DAB	Date: 1996.11.06	Fig. A.6.34



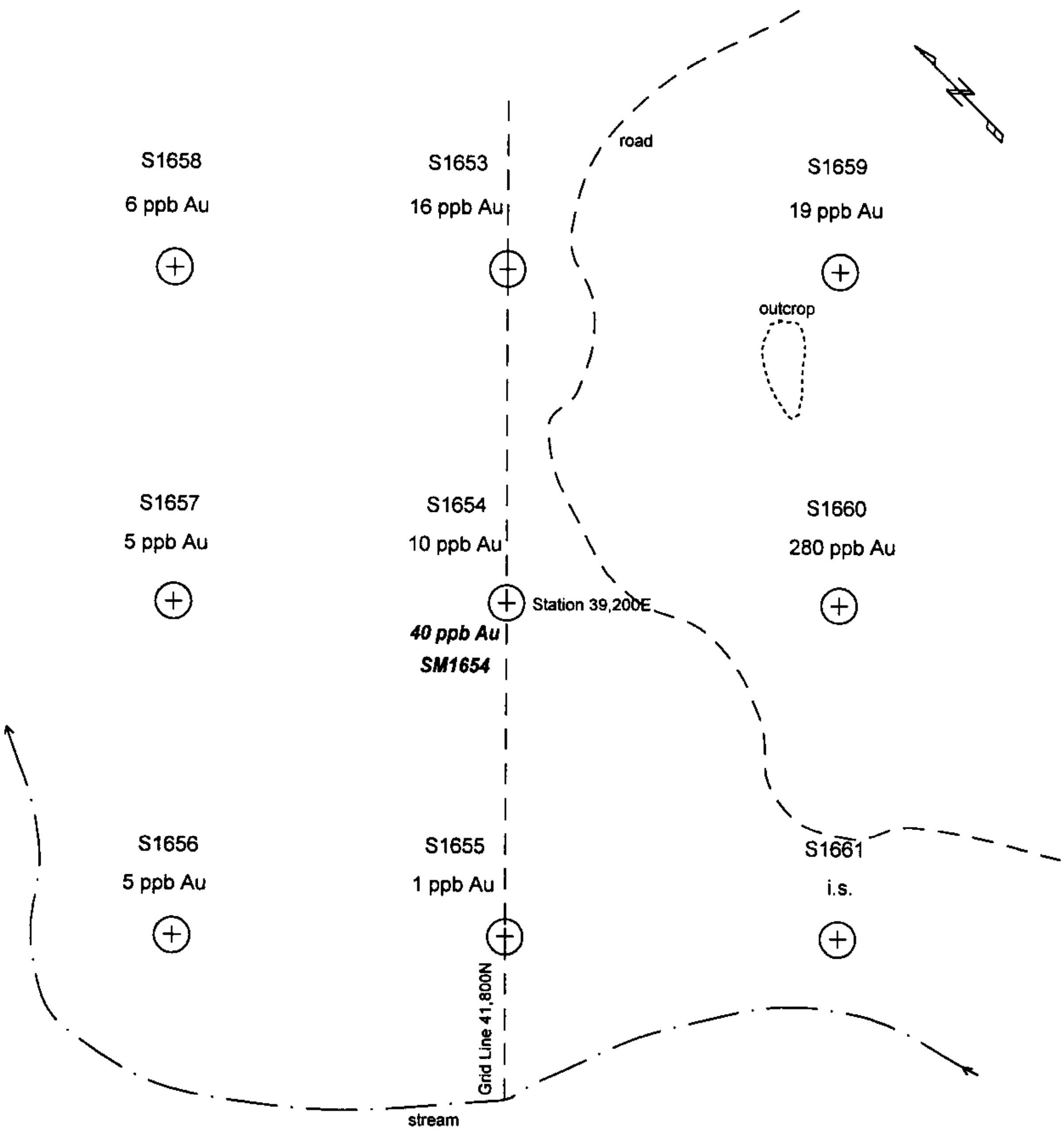
Legend

S1385	Soil sample number, re-sampling program
12 ppb Au	Geochemical result,re-sampling program
⊕	Sample location
50 ppb Au	Geochemical result, initial sampling, 1989-1990
SM1382	Original Sample Location

Scale



Birch Mountain Resources Ltd.		
Geochemistry Program SM1382 EAGLE Project, B.C.		
Scale: 1:500	NTS: 93 N/2	
Drawn by: DAB	Date: 1996.11.06	Fig. A.6.35



Legend

S1657	Soil sample number, re-sampling program
12 ppb Au	Geochemical result,re-sampling program
⊕	Sample location
40 ppb Au	Geochemical result, initial sampling, 1989-1990
SM1654	Original Sample Location

Scale

0 10 20 m

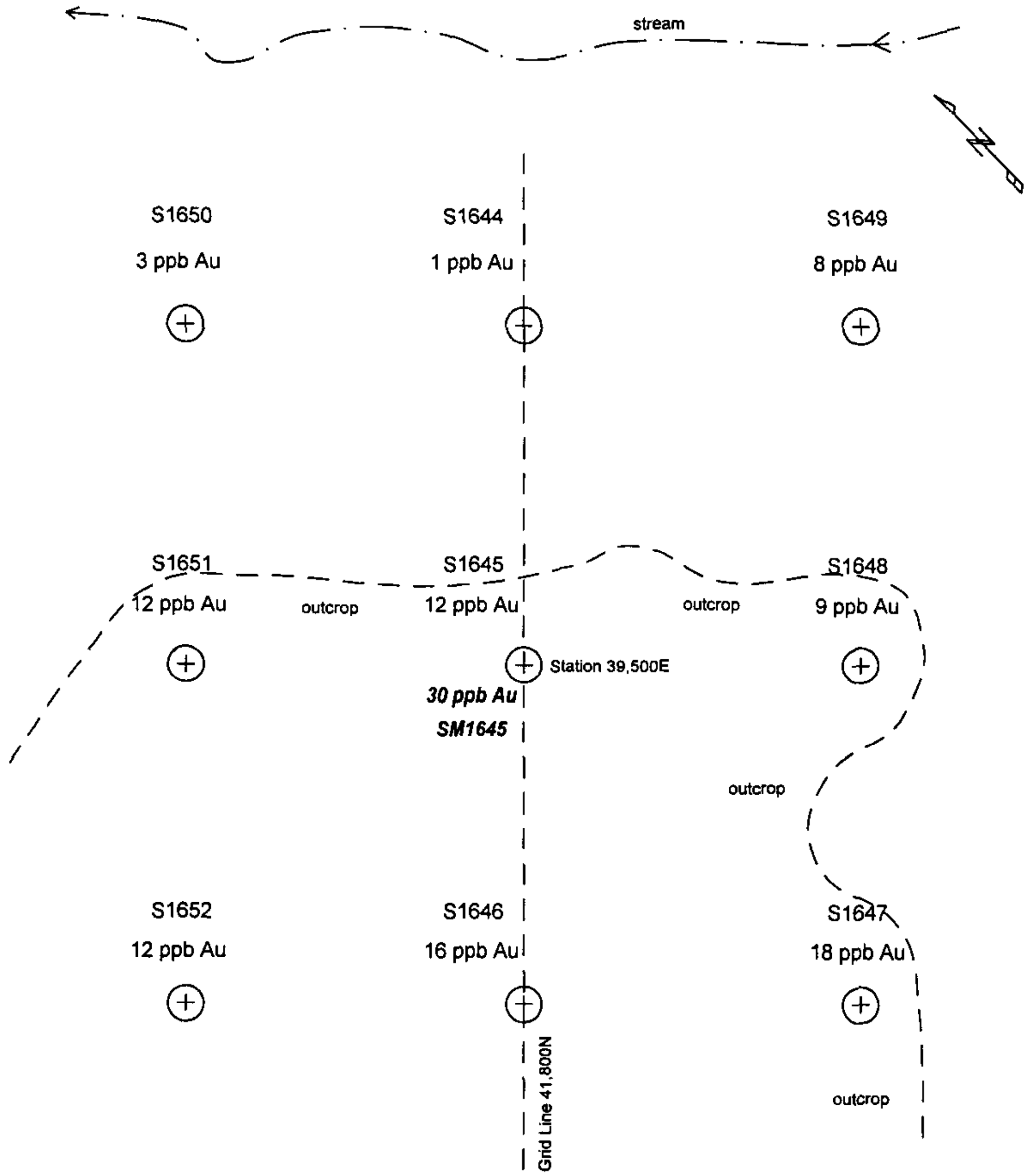
Birch Mountain Resources Ltd.

Geochemistry Program

SM1654

EAGLE Project, B.C.

Scale: 1:500	NTS: 93 N/2	
Drawn by: DAB	Date: 1996.11.06	Fig. A.6.36



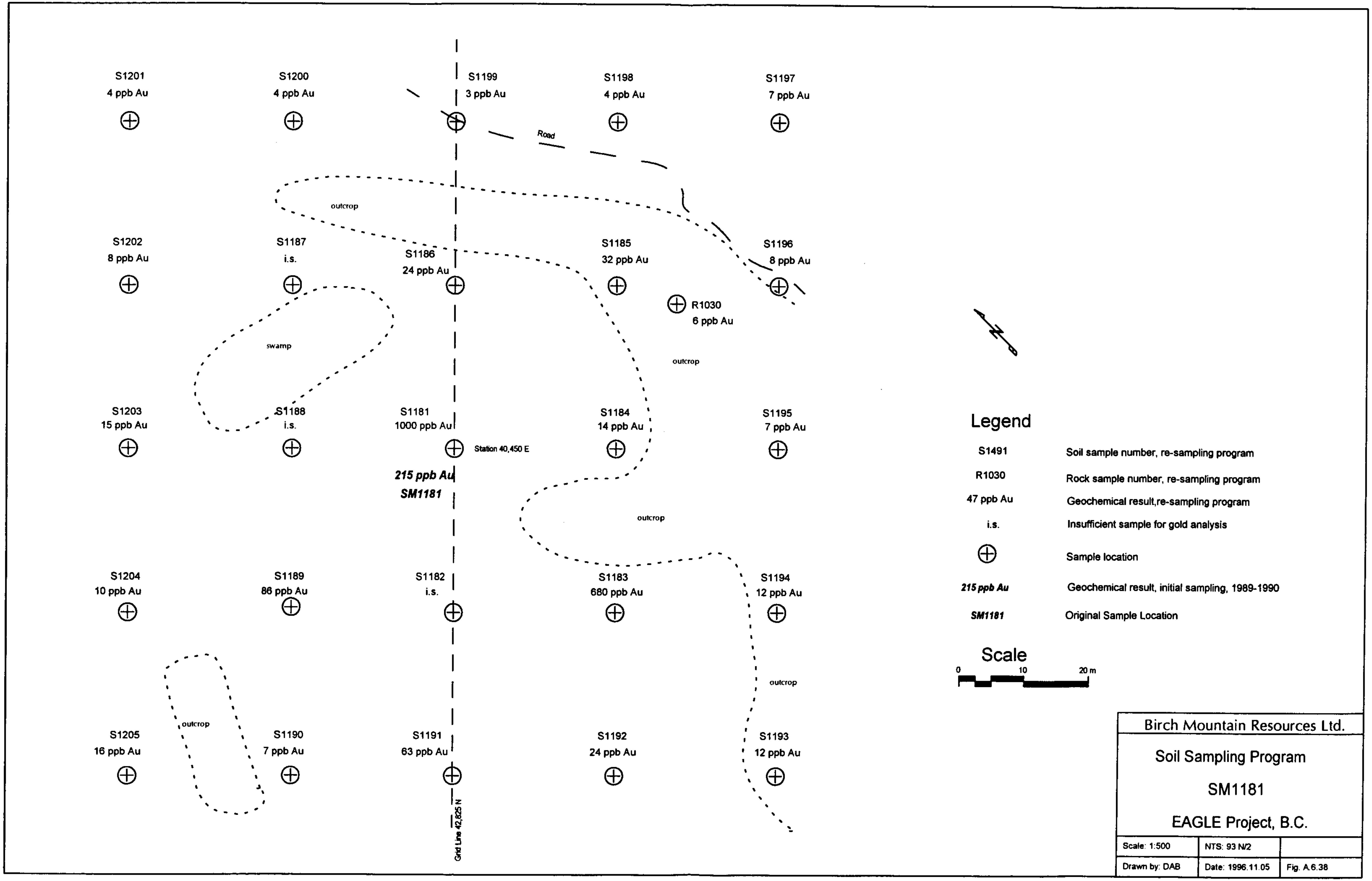
Legend

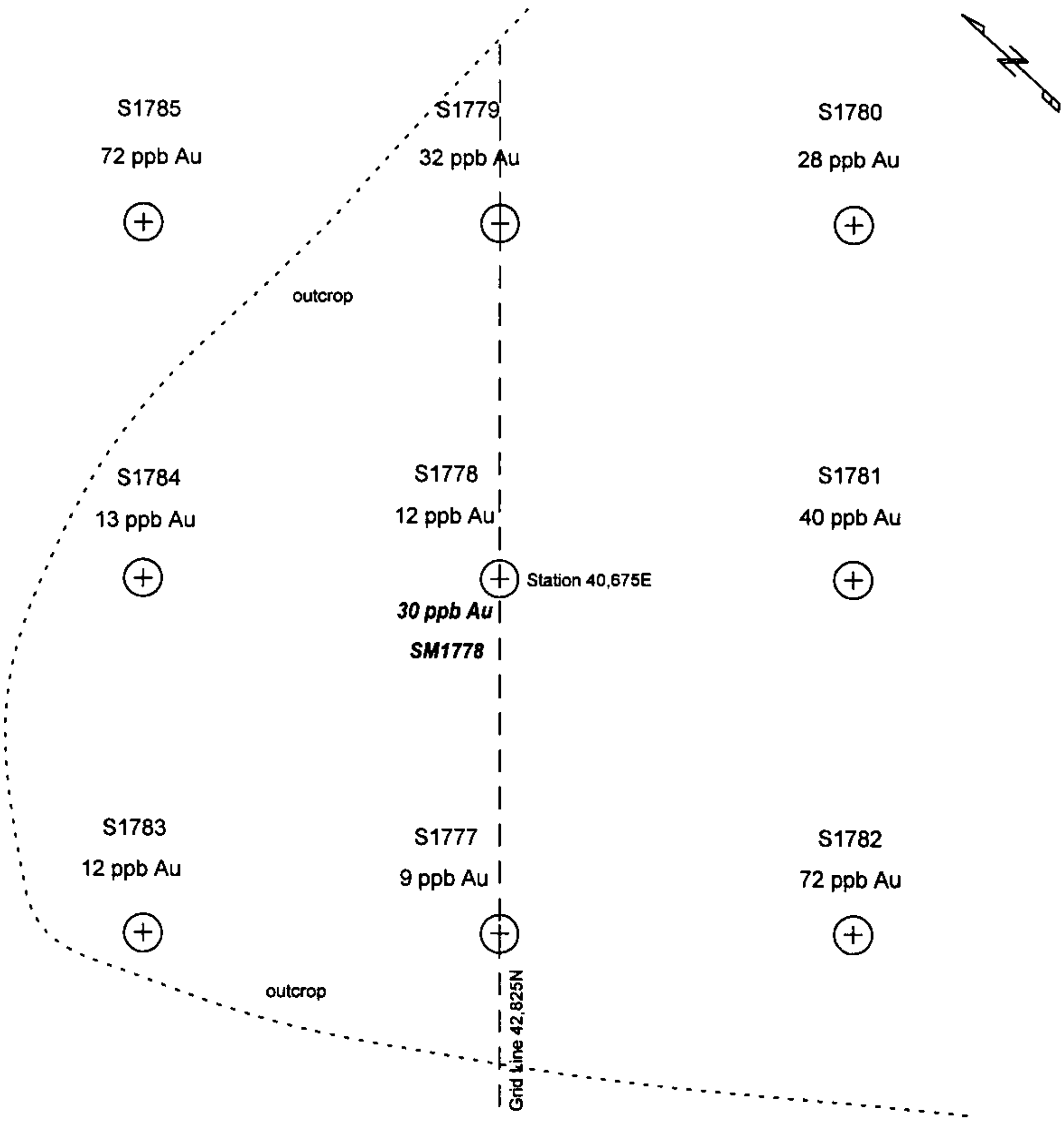
S1645	Soil sample number, re-sampling program
12 ppb Au	Geochemical result,re-sampling program
⊕	Sample location
30 ppb Au	Geochemical result, initial sampling, 1989-1990
SM1645	Original Sample Location

Scale

0 10 20 m

Birch Mountain Resources Ltd.		
Geochemistry Program SM1645 EAGLE Project, B.C.		
Scale: 1:500	NTS: 93 N/2	
Drawn by: DAB	Date: 1996.11.06	Fig. A.6.37


S1201
4 ppb Au
S1200
4 ppb Au
S1199
3 ppb Au
S1198
4 ppb Au
S1197
7 ppb Au
Road
outcrop
S1202
8 ppb Au
S1187
i.s.
S1186
24 ppb Au
S1185
32 ppb Au
S1196
8 ppb Au
R1030
6 ppb Au
swamp
outcrop
S1203
15 ppb Au
S1188
i.s.
S1181
1000 ppb Au
S1184
14 ppb Au
S1195
7 ppb Au
Station 40,450 E
215 ppb Au
SM1181
outcrop
S1204
10 ppb Au
S1189
86 ppb Au
S1182
i.s.
S1183
680 ppb Au
S1194
12 ppb Au
outcrop
outcrop
S1205
16 ppb Au
S1190
7 ppb Au
S1191
63 ppb Au
S1192
24 ppb Au
S1193
12 ppb Au
Grid Line 42,825 N
Legend
S1491 Soil sample number, re-sampling program
R1030 Rock sample number, re-sampling program
47 ppb Au Geochemical result,re-sampling program
i.s. Insufficient sample for gold analysis
Sample location
215 ppb Au Geochemical result, initial sampling, 1989-1990
SM1181 Original Sample Location
Scale
0
10
20 m
Birch Mountain Resources Ltd.
Soil Sampling Program
SM1181
EAGLE Project, B.C.
Scale: 1:500
NTS: 93 N/2
Drawn by: DAB
Date: 1996.11.05
Fig. A.6.38



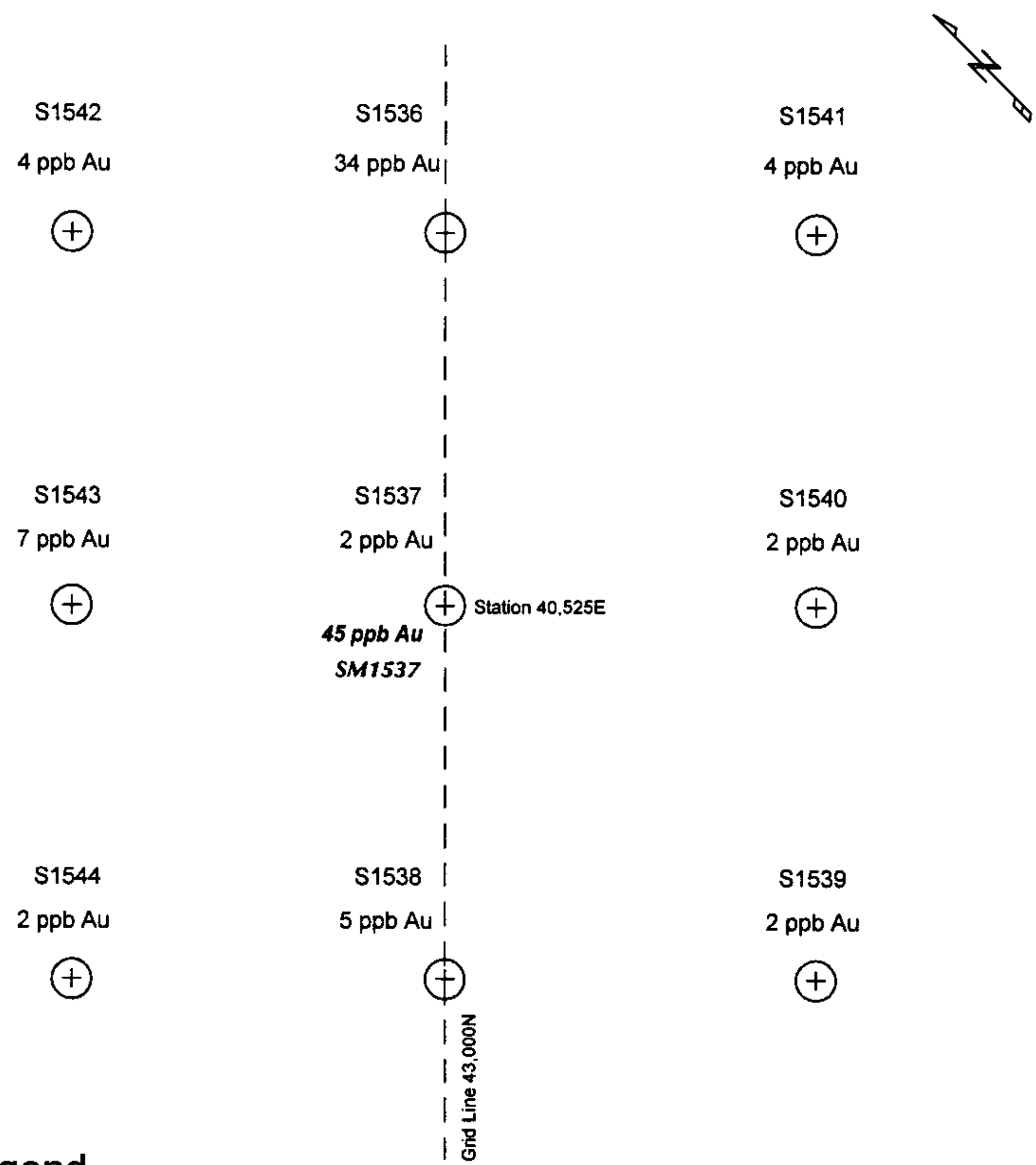
Legend

S1784	Soil sample number, re-sampling program
8 ppb Au	Geochemical result,re-sampling program
⊕	Sample location
30 ppb Au	Geochemical result, initial sampling, 1989-1990
SM1778	Original Sample Location

Scale

0 10 20 m

Birch Mountain Resources Ltd.		
Geochemistry Program SM1778 EAGLE Project, B.C.		
Scale: 1:500	NTS: 93 N/2	
Drawn by: DAB	Date: 1996.11.14	Fig. A.6.39



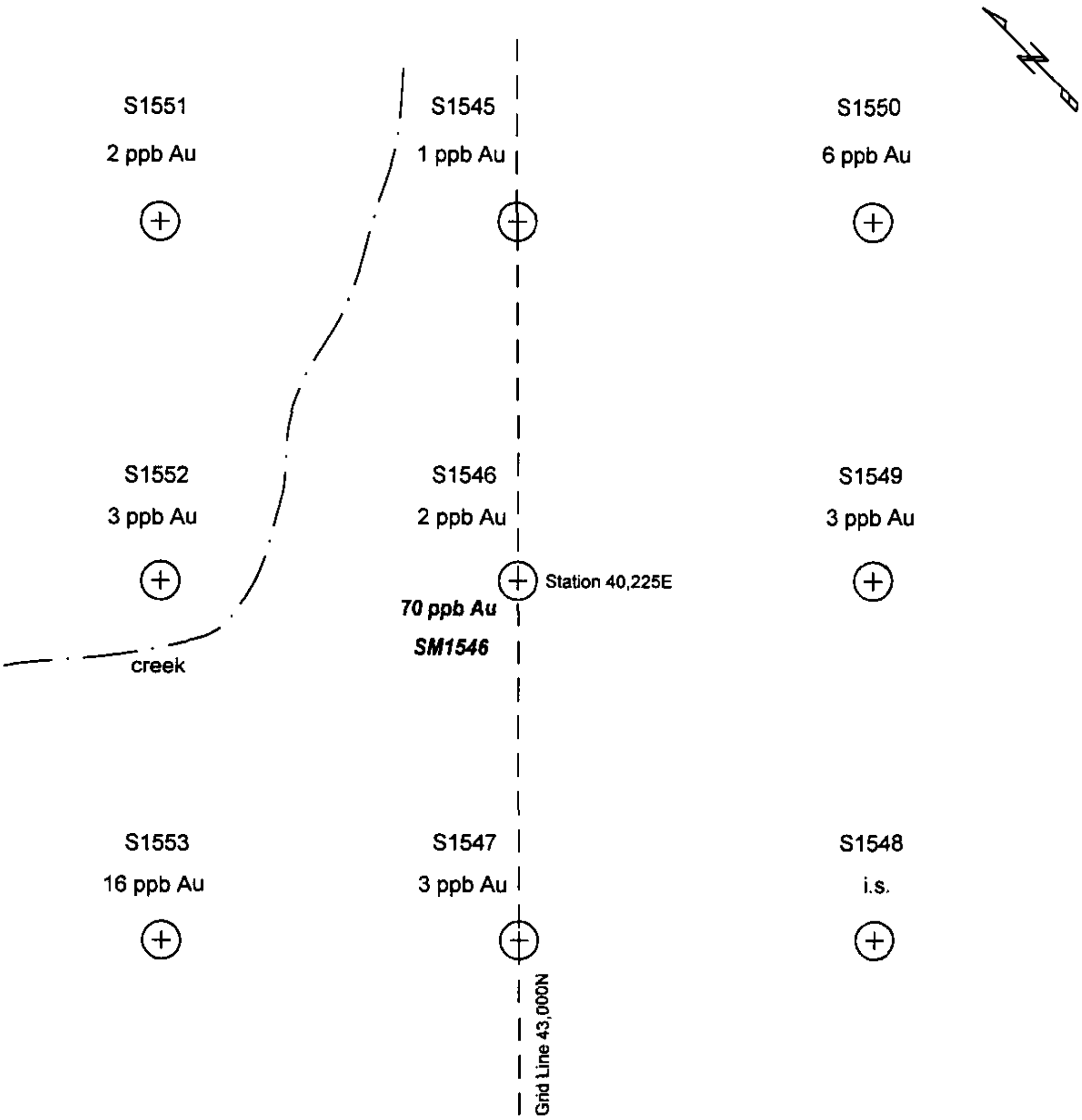
Legend

S1450	Soil sample number, re-sampling program
12 ppb Au	Geochemical result,re-sampling program
⊕	Sample location
45 ppb Au	Geochemical result, initial sampling, 1989-1990
SM1537	Original Sample Location

Scale

0 10 20 m

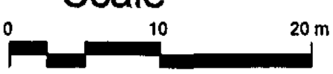
Birch Mountain Resources Ltd.		
Geochemistry Program SM1537 EAGLE Project, B.C.		
Scale: 1:500	NTS: 93 N/2	
Drawn by: DAB	Date: 1996.11.06	Fig. A.6.40



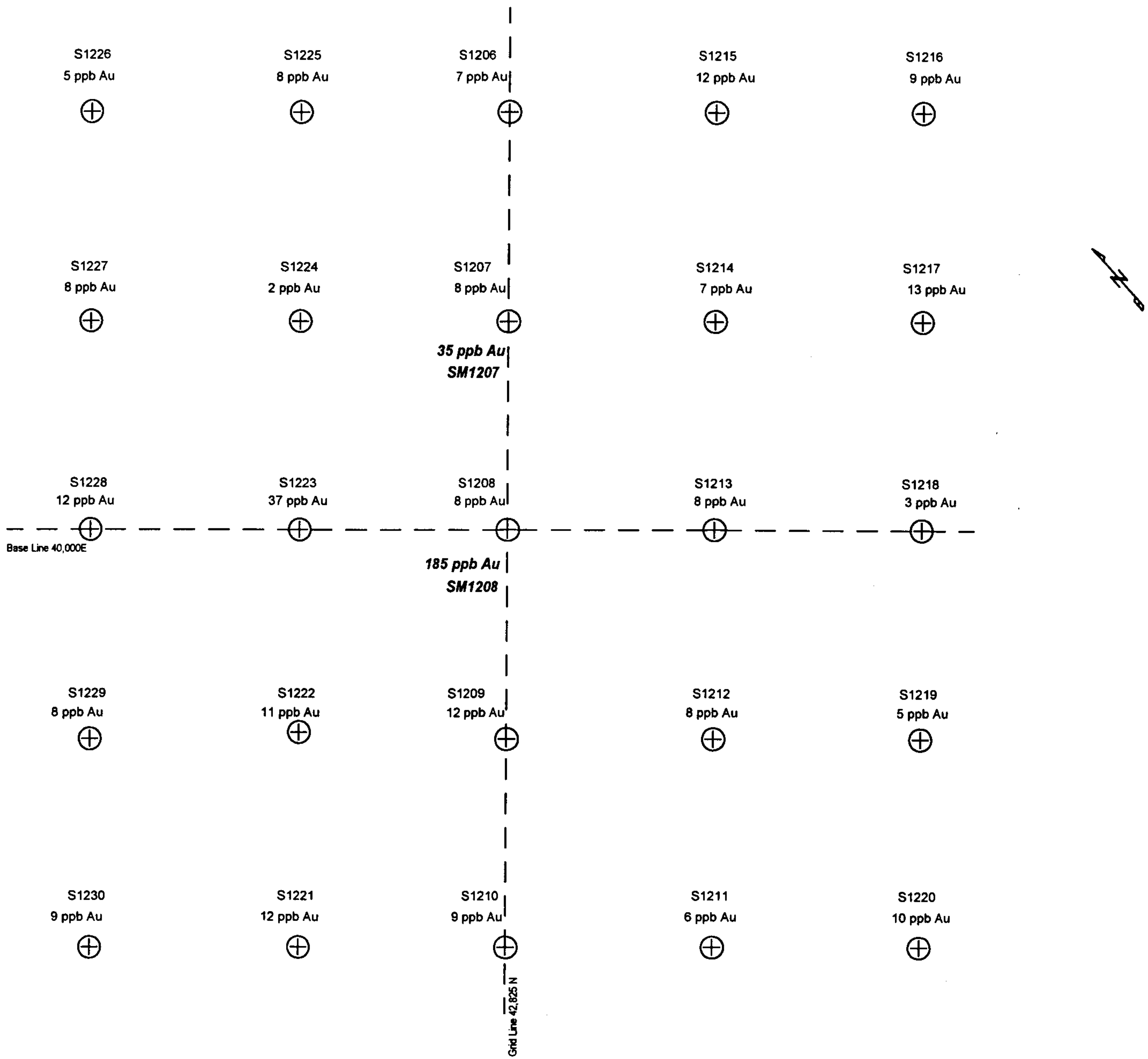
Legend

S1450	Soil sample number, re-sampling program
12 ppb Au	Geochemical result,re-sampling program
⊕	Sample location
70 ppb Au	Geochemical result, initial sampling, 1989-1990
SM1546	Original Sample Location

Scale



Birch Mountain Resources Ltd.		
Geochemistry Program SM1546 EAGLE Project, B.C.		
Scale: 1:500	NTS: 93 N/2	
Drawn by: DAB	Date: 1996.11.06	Fig. A.6.41



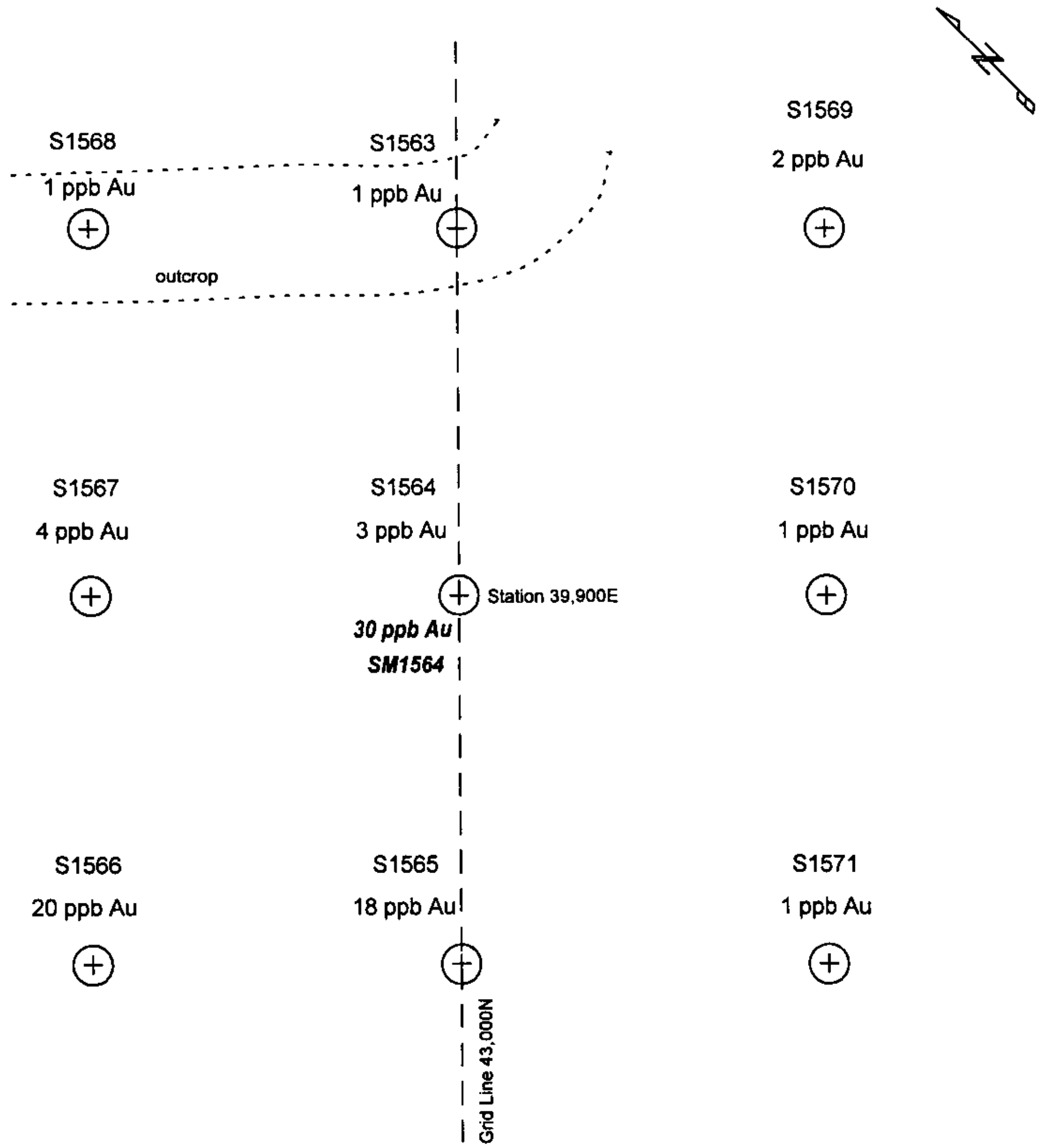
Legend

S1213	Soil sample number, re-sampling program
13 ppb Au	Geochemical result,re-sampling program
i.s.	Insufficient sample for gold analysis
⊕	Sample location
185 ppb Au	Geochemical result, initial sampling, 1989-1990
SM1207	Original Sample Location

Scale

0 10 20 m

Birch Mountain Resources Ltd.		
Geochemistry Program SM1207, SM1208 EAGLE Project, B.C.		
Scale: 1:500	NTS: 93 N/2	
Drawn by: DAB	Date: 1996.11.05	Fig. A.6.42



Legend

S1450	Soil sample number, re-sampling program
12 ppb Au	Geochemical result,re-sampling program
⊕	Sample location
30 ppb Au	Geochemical result, initial sampling, 1989-1990
SM1564	Original Sample Location

Scale

0 10 20 m

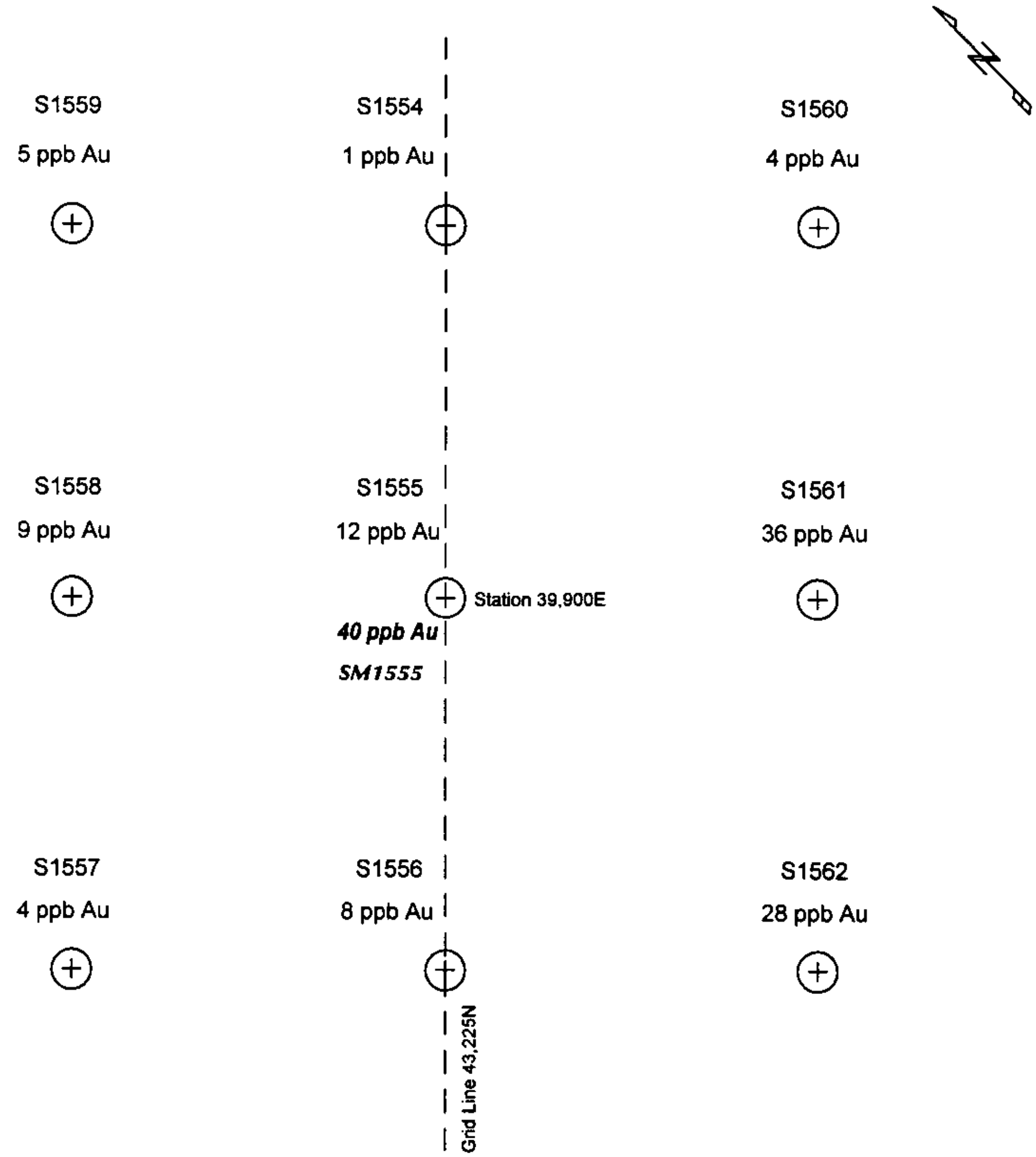
Birch Mountain Resources Ltd.

Geochemistry Program

SM1564

EAGLE Project, B.C.

Scale: 1:500	NTS: 93 N/2	
Drawn by: DAB	Date: 1996.11.06	Fig. A.6.43



Legend

S1450 — Soil sample number, re-sampling program

12 ppb Au — Geochemical result,re-sampling program

⊕ — Sample location

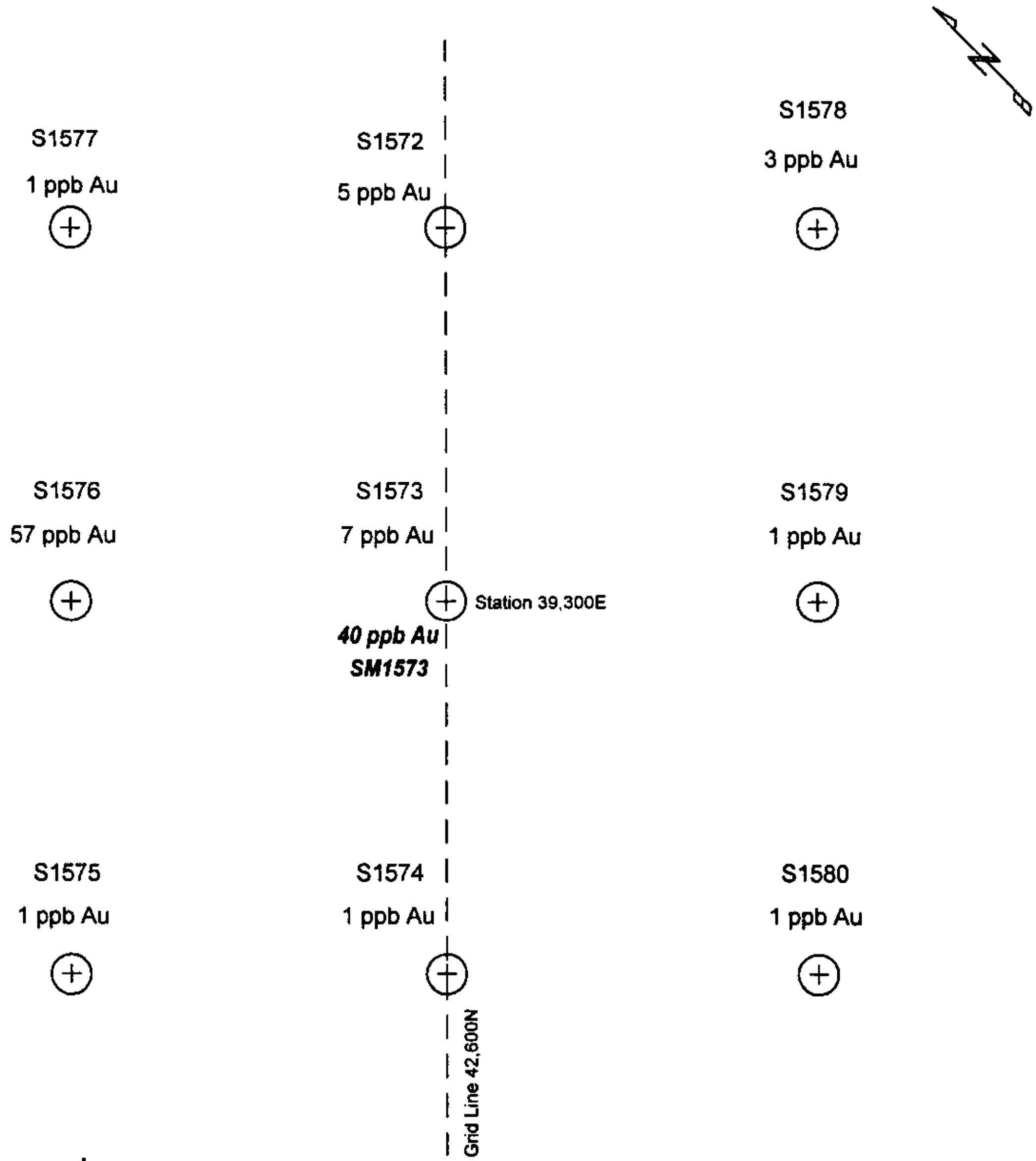
40 ppb Au — Geochemical result, initial sampling, 1989-1990

SM1555 — Original Sample Location

Scale

0 10 20 m

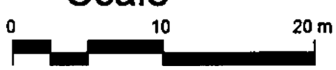
Birch Mountain Resources Ltd.		
Geochemistry Program SM1555 EAGLE Project, B.C.		
Scale: 1:500	NTS: 93 N/2	
Drawn by: DAB	Date: 1996.11.06	Fig. A.6.44



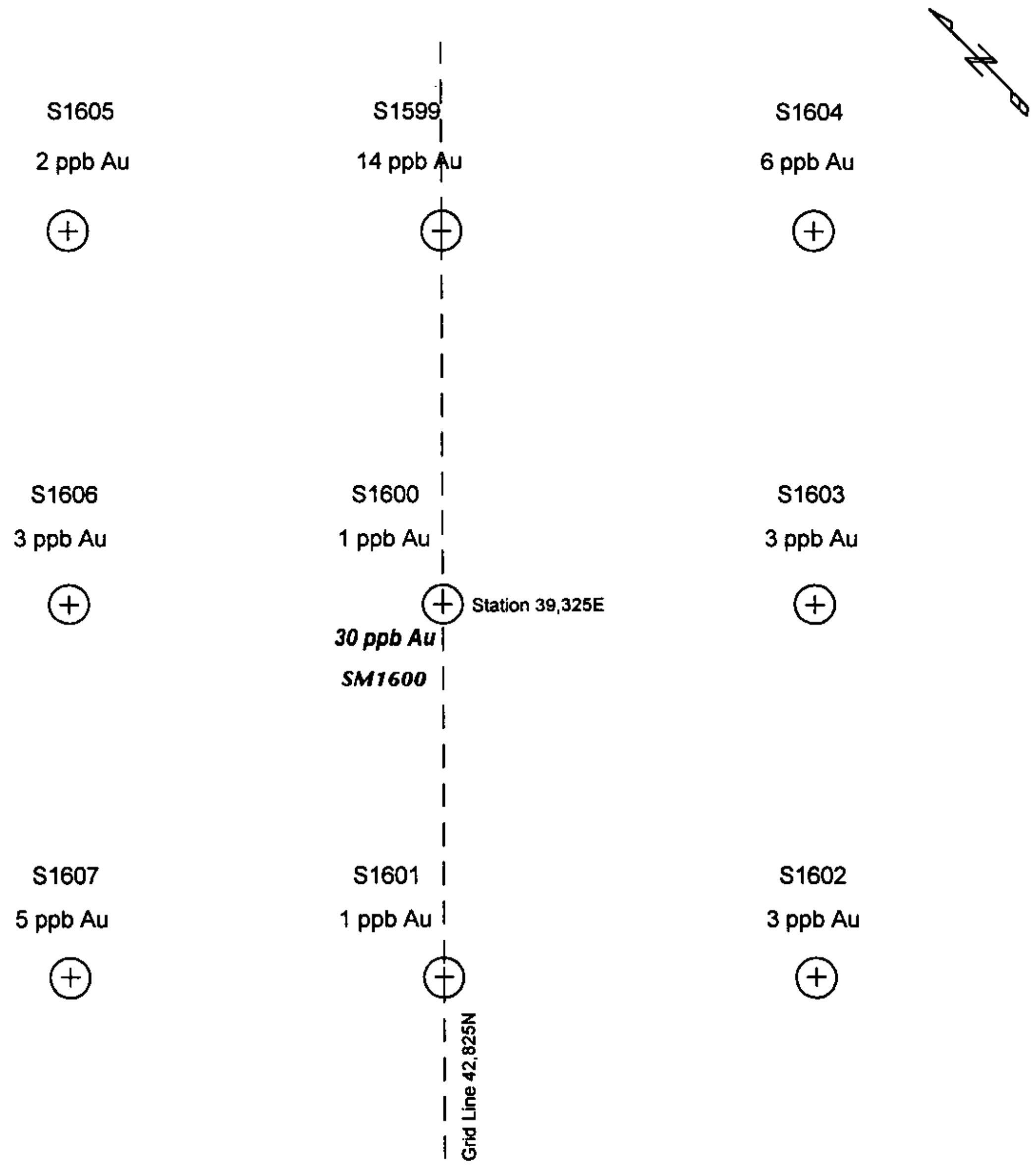
Legend

S1450	Soil sample number, re-sampling program
12 ppb Au	Geochemical result,re-sampling program
⊕	Sample location
40 ppb Au	Geochemical result, initial sampling, 1989-1990
SM1573	Original Sample Location

Scale



Birch Mountain Resources Ltd.		
Geochemistry Program SM1573 EAGLE Project, B.C.		
Scale: 1:500	NTS: 93 N/2	
Drawn by: DAB	Date: 1996.11.12	Fig. A.6.45



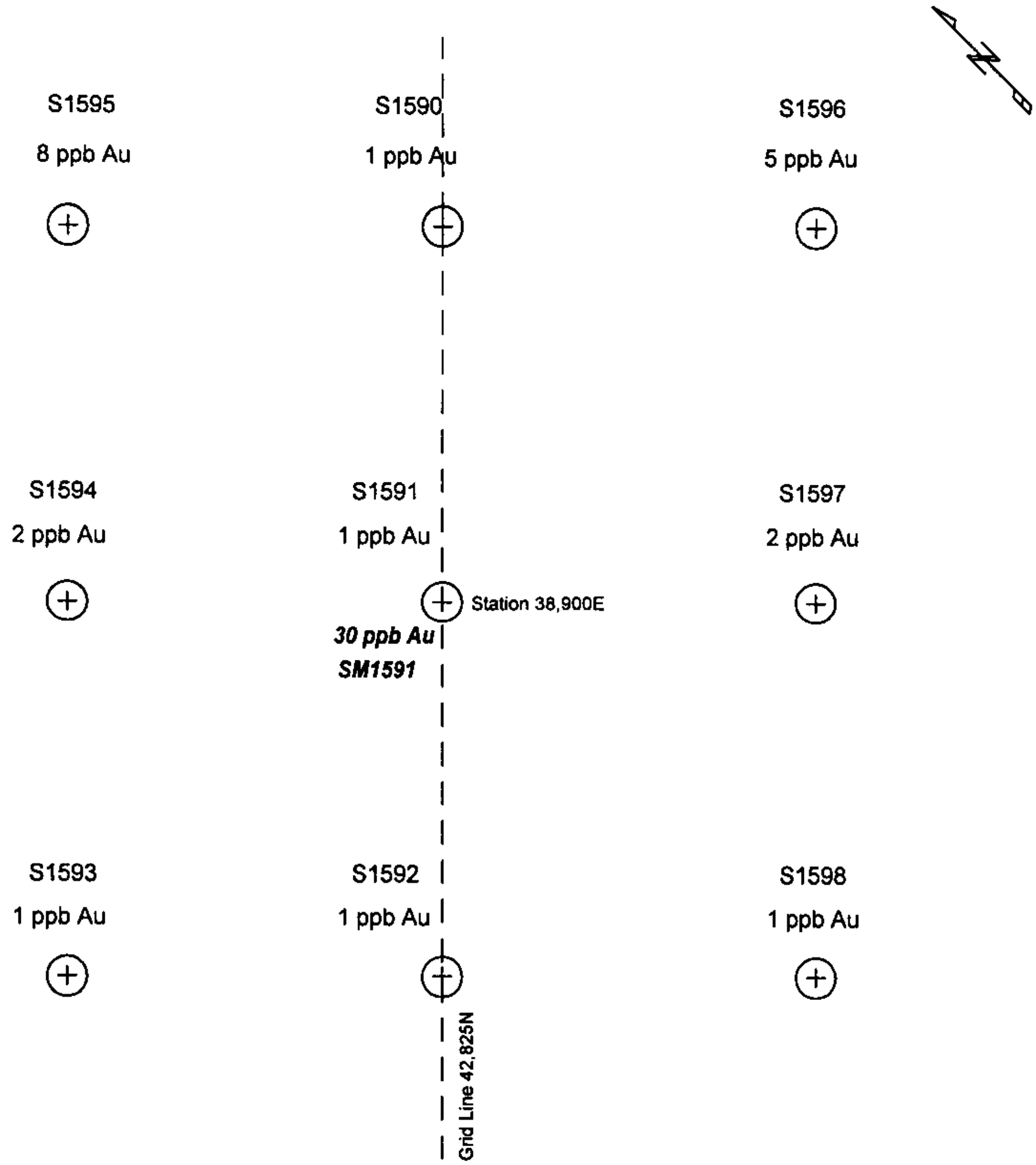
Legend

S1450	Soil sample number, re-sampling program
12 ppb Au	Geochemical result,re-sampling program
⊕	Sample location
30 ppb Au	Geochemical result, initial sampling, 1989-1990
SM1600	Original Sample Location

Scale

0 10 20 m

Birch Mountain Resources Ltd.		
Geochemistry Program SM1600 EAGLE Project, B.C.		
Scale: 1:500	NTS: 93 N/2	
Drawn by: DAB	Date: 1996.11.12	Fig. A.6.46



Legend

S1450	Soil sample number, re-sampling program
12 ppb Au	Geochemical result,re-sampling program
⊕	Sample location
30 ppb Au	Geochemical result, initial sampling, 1989-1990
SM1591	Original Sample Location

Scale

0 10 20 m

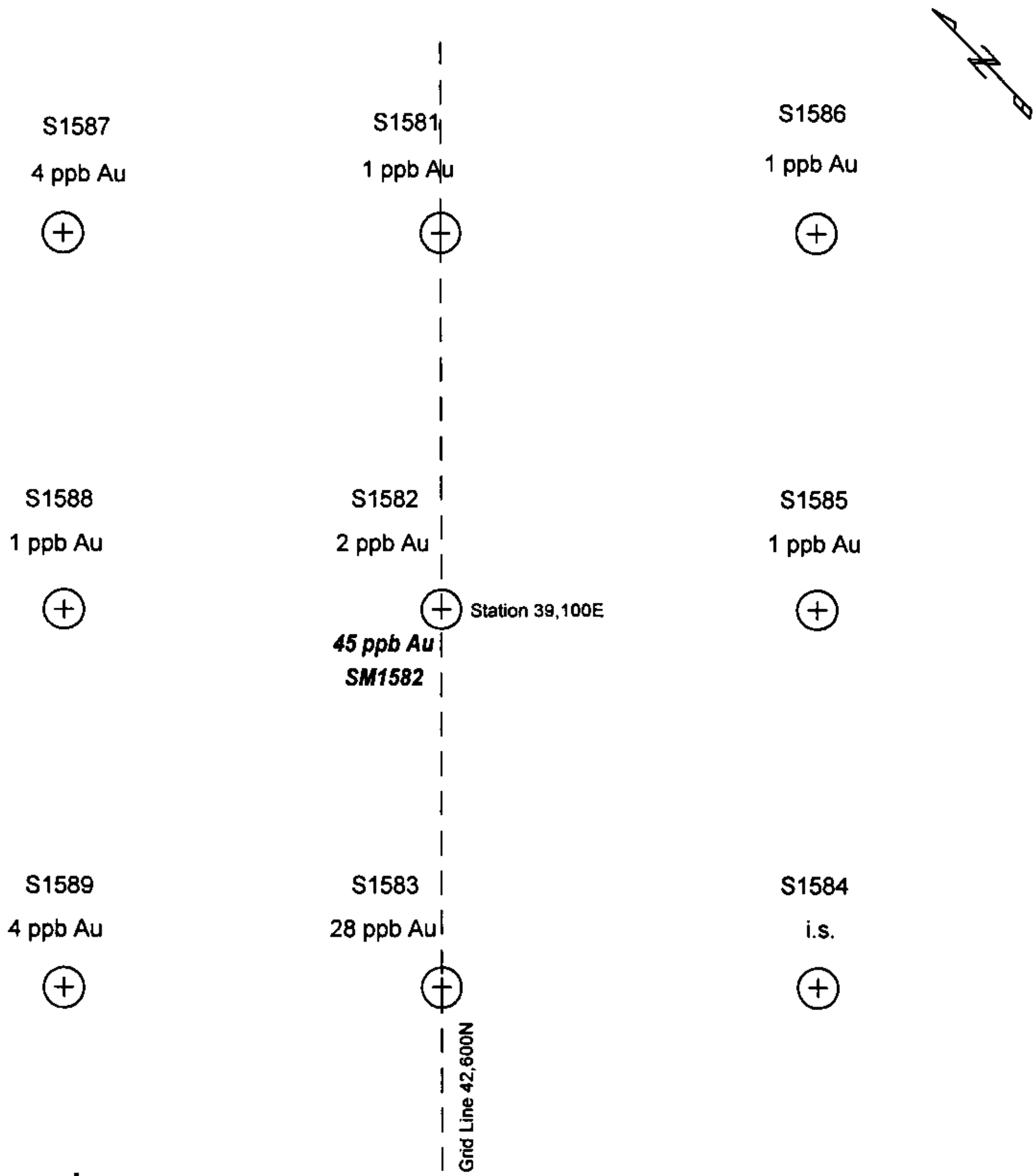
Birch Mountain Resources Ltd.

Geochemistry Program

SM1591

EAGLE Project, B.C.

Scale: 1:500	NTS: 93 N/2	
Drawn by: DAB	Date: 1996.11.12	Fig. A.6.47



Legend

S1450	Soil sample number, re-sampling program
12 ppb Au	Geochemical result,re-sampling program
⊕	Sample location
45 ppb Au	Geochemical result, initial sampling, 1989-1990
SM1582	Original Sample Location

Scale

0 10 20 m

Birch Mountain Resources Ltd.

Geochemistry Program

SM1582

EAGLE Project, B.C.

Scale: 1:500	NTS: 93 N/2	
Drawn by: DAB	Date: 1996.11.12	Fig. A.6.48

Appendix 7

Analytical Procedures

SRC
technology is our business

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FEED FAX THIS END

FAX

To: D. BEAUCHAMP
Dept.:
Fax No.:
No. of Pages: 1
From: AL HOLSTEN
Date: Oct 25
Company: SRC
Fax No.:
Comments:

OCTOBER 25, 1996

TO: DON BEAUCHAMP
BIRCH MOUNTAIN RESOURCES

FROM: AL HOLSTEN
MANAGER, GEOCHEM LAB
SASK. RESEARCH COUNCIL
PH.: (306) 933-5426
FAX: (306) 933-5656

RE: Methods used on Birch Mountain soils and rocks

Soil Method

1. Soils were dried at 100° C overnight.
2. Dried soils were screened at ±180 microns.
3. A 1.00 gram subsample of the fines was digested in HNO3/HCl at 100°C for one hour.
4. The resulting solution was analyzed by axial ICP using a Perkin Elmer Optima 3000 DV. (See item 7 under ICP analysis in our fee schedule).
5. A 10.00 gram subsample of the fines was fire assayed using standard fire assaying procedures with an atomic absorption finish.

Rock Method

1. Rocks were dried at 100°C overnight.
2. Rocks were initially crushed to approximately -1mm in a jaw crusher.
3. A 100 gram subsample of the crushed rock was obtained by splitting the sample using a ¼" riffler.
4. The 100 gram subsample was ground to approximately -200 mesh in a chrome steel grinding mill.
5. A 1.00 gram subsample of the rock pulp was digested in HNO3/HCl at 100°C for one hour.
6. The resulting solution was analyzed by axial ICP using a Perkin Elmer Optima 3000 DV. (See item 7 under ICP analysis in our fee schedule).
7. A 10.00 gram subsample of the fines was fire assayed using standard fire assaying procedures with an atomic absorption finish.

Please refer to the enclosed fee schedule for detection limits.

ICP ANALYSIS

ICP Gold Trace Exploration Package Aqua regia digestion

- all 15 elements: $10.00 per sample (digestion included)
- GeoChem Au Fire Assay 10 g. subsample: $7.50 extra

Detection Limit Table

AQUA REGIA PARTIAL DIGESTION

As	0.2 ppm	Pb	0.1 ppm
Sb	0.2 ppm	Zn	0.1 ppm
Bi	0.2 ppm	Co	0.1 ppm
Se	0.2 ppm	Cd	0.1 ppm
Te	0.2 ppm	Mo	0.1 ppm
Hg	0.03 ppm	Ag	0.1 ppm
Cu	0.1 ppm	W	0.2 ppm
Ni	0.1 ppm		

PRECIOUS METALS ANALYSIS

Geochem Fire Assay 15 g. subsample, Axial ICP finish

- Au: $7.50 per sample

Detection Limit

Au	0.5 ppb

Appendix 8

Drill Logs

Diamond Drill Logs

Legend

From...To	interval in metres
Sample No.	number of the sample submitted for analysis
Width	width of interval
Sulp	total sulphides in interval in percent
py	pyrite content of the interval as a percent of total sulphides
cp	chalcopyrite content of the interval as a percent of total sulphides
gal	galena content of the interval as a percent of total sulphides
po	pyrrhotite content of the interval as a percent of total sulphides
mag	magnetite content of the interval in percent
qtz	percent of secondary (introduced) quartz in the interval
Lithology	rock type
Colour	colour of core
Size	grain size of rock
Structure	structure in the interval e.g. shearing, fracture and brecciation
Alteration	hydrothermal alteration present in the interval
	clay — clay-sericite alteration
	kspar — potassic alteration
	bio — biotite alteration
	chl — chlorite alteration
	epi — epidote alteration
Comments	brief description of the interval

Diamond Drill Log

Drill Hole No: EA-96-01

Logged By: Simon X. Fan

Date: September 18-22, 1996

Easting: 41+34E
Northing: 36+00N
Elevation: 976m a.s.l.

Azimuth: 042°
Inclination: -45°
Total Depth: 294.97m
Core Size: NQ-2

Survey Type:

depth	*az.*	*dip*
Collar:	042°	-46°
102.72m	052°	-49°
211.84m	051°	-49°
294.97m	060°	-50°

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
DDH: EA-96-01																
0.00	15.24		15.24													Casing
15.24	16.24	D-1001	1.00	<1	75	5		20	5	0	diorite	mid grey	mg	fractured	kspar, epi	Diorite with potassic-alteration, epidote banding of 3-10 mm at 45° to 70° ca. Hematite present near start of section, slightly broken. Thin banding of sulphides from 16.10 to 16.24m. Py, po, & cp appear in stringers. 15.24-17.37 lost core=43cm.
16.24	18.94		2.70	0					10	0	diorite	mid grey	mg	fractured	kspar, epi	Diorite with potassic alteration, epidote banding of 3-10 mm at 45° to 70° ca. Hematite present near start of section. slightly broken.
18.94	19.68		0.74	0					5	1	diorite	lt grey	mg	fractured	kspar, clay	Diorite with potassic and clay alterations. Carbonate and quartz veinlets of 2-20 mm at ~ 45° ca. Trace of hematite. 17.37-20.42m l.c.=40 cm.
19.68	20.48		0.80	0					5	0	diorite	mid grey	mg	brecciated	kspar, epi	Diorite with potassic and epidote alterations. Carbonate veinlets of 2-10 mm at 45°-70° ca.
20.48	22.48		2.00	0					5	2	diorite	lt grey	mg	brecciated	kspar, clay	Diorite with potassic and clay alterations, Quartz-carbonate veins of 2-20 m at 0-70° ca. 20.42-23.43 l.c.=5cm.
22.48	22.88		0.40	0					10	0	diorite	mid grey	mg	highly fractured	kspar	Diorite with potassic alteration. Carbonate veinlets of 2-5mm of 45-90° ca.
22.88	23.10		0.22	0					0	0	syenite dyke	dk pink	fg	highly fractured	epi	Syenite dyke with epidote and carbonate alterations.
23.10	24.30		1.20	0					5	2	diorite	lt grey	mg	fractured	kspar, epi, clay	Diorite with potassic, epidote and clay alterations. Quartz-carbonate veinlets of 2-20mm at 0-80°ca. The carbonate veinlets crosscut quartz veinlets.
24.30	29.80		5.50	0					5	1	diorite	mid grey	mg	slightly fractured		Diorite with minor potassic and epidote alterations. Carbonate veinlets of 1-5mm at 45-90°ca. Quartz also occurs in veinlets.
29.80	32.61		2.81	0					5	1	diorite	mid grey	f-mg	ductile shear		Diorite with ductile shearing containing minor epidote and potassic alterations. 1-5mm quartz carbonate veinlets, and minor chlorite veining. Ductile shearing is at 30-45°ca.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
32.61	33.61	D-1002	1.00	<1	100				5	1	diorite	greenish, grey	mg	veining		Diorite with intense ductile shearing containing minor epidote and potassic alterations. 1-5mm quartz carbonate veinlets, and chlorite veining containing occasional py blebs. Ductile shearing is at 30-45°ca.
33.61	38.32		4.71	0					3	1	diorite	dk pink, grey	mg	veining, shearing		Minor potassic, chlorite, and epidote alterations. Quartz carbonate veining 1-2mm wide containing a few highly chloritized shear zones up to 2 cm thick.
38.32	47.10		8.78	0					2	3	diorite	lt grey	mg	shearing	clay	Diorite with clay alteration and minor potassic alteration. Chlorite alteration occurs mainly along shear zones. Quartz carbonate veins up to 60mm, at 40-90°. Chlorite alteration at 45° ca with two fresh sections of 30 cm and 1.5m containing minor epidote.
47.10	48.28		1.18	0					0	3	diorite	grey, green	f-mg	brecciated		Brecciated diorite with clay alteration. A few quartz carbonate veins are also present.
48.28	49.20		0.92	0					3.5	2	diorite	brown-grey	mg	fractured	kspar	Diorite with moderate potassic alteration containing a few chlorite seams 0.5-3mm wide. Quartz carbonate veinlets 0.5-20mm. Quartz-chlorite veining ~60°ca.
49.20	49.80	D-1003	0.60	0					4	1	diorite	lt green	f-mg		chl	Strongly chlorite-altered diorite, with chlorite veins up to 5 mm and quartz carbonate veinlets up to 4 mm at 80°ca.
49.80	50.90	D-1004	1.10	2	90	10			10	1	chl. rock	dk green & dk brown	fg	sheared, brecciated		Sheared and brecciated chlorite rock containing hematite along shear planes and 1-2mm quartz carbonate veinlets.
50.90	55.60		4.70	0					1	4	diorite	lt brown-green	f-mg	minor shearing	clay, chl	Diorite with clay, chlorite and minor potassic alterations.Quartz carbonate veins up to 50 mm at 20-90°ca. Core contains a section of fresher diorite with chlorite seams. Fresh section is about 2m in length.
55.60	56.80		1.20	0					5	1	diorite	brown-dk grey	mg	fractured		Moderately fresh diorite with minor potassic alterations. A few quartz carbonate, hematite veinlets at 30-45°ca. Veinlets are 1-5mm wide.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
56.80	57.80	D-1005	1.00	<1	95	5			4	1	diorite	dk grey & green	f-mg	sheared		Diorite with epidote and minor potassic alterations. Diorite contains a zone of about 20 cm of chlorite rock with sulphides. A few quartz carbonate veins 1-5mm at 30-45°ca.
57.80	66.67		8.07	0					5	2	diorite	mid grey	f-mg	sheared	epi	Diorite with epidote alteration and a little potassic alteration. Chlorite alteration is mainly visible in seams. Quartz carbonate veins of 2-20mm wide, some with hematite, at 20-90°ca.
66.67	67.67	D-1006	1.00	<1	95	5			5	1	diorite	mid-dk grey	mg	fractured slightly		Diorite with slight chlorite alteration. A few quartz carbonate veinlets 1-3mm wide at angles from 10-45°ca. There is a zone of 30 mm wide chlorite rock containing sulphides.
67.67	72.35		4.68	0					5	2	diorite	mid-dk grey	mg	fractured		Diorite with slight potassic and clay alterations. Quartz carbonate veinlets, with hematite, 2-10mm wide at 20-80°ca. Chlorite alteration along fracture planes.
72.35	74.65		2.30	0					4	1	diorite	dk grey & green	f-mg	sheared, brecciated	clay	Diorite with clay alteration and minor potassic and chlorite alterations. Quartz carbonate veins containing a lot of hematite 1-15 mm wide at angles of 30-45°ca.
74.65	75.65	D-1007	1.00	<1	95	5			4	1	diorite	mid brown	f-mg	fractured	kspar, clay	Diorite with moderate potassic and clay alterations. Contains a zone 10 cm long of chlorite rock with sulphides. Quartz carbonate veinlets 1-4 mm wide at angles of 20-50°ca.
75.65	79.00		3.35	0					6	1	diorite	dk brown	f-mg	fractured	kspar, chl, clay	Diorite with potassic, chlorite, and clay alterations. Quartz carbonate veins, some with hematite, 1-10mm wide at 20-90°ca. A few epidote veinlets up to 5mm wide at 80° ca. trace of sulphides. 75.29-78.33 l.c.=5cm
79.00	80.14	D-1008	1.14	<1	95	5			3	1	diorite	mid grey dark green	f-mg	sheared, fractured	chl	Diorite with chlorite and slight potassic alterations, containing about 15 cm of chlorite rock zone with sulphides. Quartz carbonate veinlets of 1-3mm at 4-90°ca. Sulphides present as stringers and blebs in sheared chlorite zones.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
80.14	82.80		2.66	0					4	2	diorite	mid grey	mg	fractured	kspar, chl	Diorite with potassic and chloritic alterations containing potassic stringers of up to 15 mm thick. Quartz carbonate veinlets of 1-8 mm at 0-90°ca.
82.80	83.80	D-1009	1.00	<1	95	5			3	1	diorite	dk green-mid grey	mg	brecciated	chl, kspar	Brecciated diorite with chlorite and potassic alterations. Sulphide blebs present in chloritized sections a few centimetres wide. Quartz carbonate veinlets of 1-4 mm at 10-80°ca. Red hematite scattered throughout the rock.
83.80	86.00		2.20	0					4	2	diorite	mid grey	mg	fractured		Diorite with weak potassic and chlorite alterations. Quartz carbonate veinlets of 1-10mm at 0-80°ca.
86.00	87.00	D-1010	1.00	1	60	40			2	1	diorite	dk green & mid grey	f-mg	sheared	chl, clay	Diorite with strong chlorite and clay alterations as well as weak potassic alteration. Sulphide stringers and blebs are present in sheared chlorite rock of 40 cm thick. Quartz carbonate veinlets of 1-3mm at 20-60°ca. Pinkish red hematite present along some fracture planes.
87.00	94.85		7.85	0					5	2	diorite	mid grey	mg	fractured	chl, epi	Diorite with chlorite, epidote and weak potassic alterations. Various generations of quartz carbonate veinlets of 1-10mm at 0-85°ca. Some hematite present along fracture planes.
94.85	95.85	D1011	1.00	<1	95	5			4	1	diorite	mid grey & dk green	f-mg	sheared	chl	Diorite with chlorite and weak potassic alterations, containing a zone of about 10 cm thick chlorite rock with sulphides. Quartz carbonate veinlets of 1-5mm at 5-85°ca.
95.85	110.50		14.65	0					5	2	diorite	mid grey	mg	slightly fractured		Diorite with potassic, and weak chlorite and epidote alterations. Quartz carbonate veinlets of 1-20mm at 0-85 ca.(various generations)
110.50	111.86	D-1012	1.36	1	90	10			2	1	diorite	dk green & dk grey	f-mg	sheared, brecciated	clay, chl, kspar	Highly brecciated and sheared diorite and chlorite rock with clay, chlorite, and potassic alterations. Quartz carbonate veinlets of 1-5mm at 20-45°ca.
111.86	112.74	D-1013	1.08	<1	95	5			3	1	diorite	mid-dk grey	f-mg	sheared, brecciated	clay, chl, epi	Diorite with clay, chlorite, epidote, and weak potassic alterations, containing a chlorite vein of about 2 cm wide with sulphides. Quartz carbonate veinlets of 1-8 mm at 50-60°ca.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
112.74	116.06		4.20	0					4	2	diorite	mid grey	mg	sheared, brecciated	clay, chl, epi	Diorite with clay, chlorite, epidote, and weak potassic alterations, containing a chlorite vein of about 2 cm wide with sulphides. Quartz carbonate veinlets of 1-8 mm at 50-60°ca.
116.06	117.16	D-1014	1.10	1	95	5			3	1	diorite	dk green & mid-grey	f-mg	sheared, brecciated	clay, chl, epi	Diorite with clay, chlorite, epidote alterations as well as weak potassic alteration. Quartz carbonate veinlets of 1-8 mm at 5-60°ca.
117.16	120.65		3.49	0					5	2	diorite	mid grey	mg	fractured	kspar, chl, epi	Diorite with clay, chlorite, epidote alterations as well as weak potassic alteration. Quartz carbonate veinlets of 1-8 mm at 5-60°ca. Sulphides found in two zones of chlorite rock of about 3 cm and 10 cm thick. Sulphides also present in brecciated, highly epidote-altered rock.
120.65	121.55	D-1015	0.90	<1	60	40			4	1	diorite	mid grey	f-mg	fractured	kspar, chl, epi	Diorite with potassic, chlorite, and epidote alterations containing a chlorite vein of 10mm with sulphides. Quartz carbonate veinlets of 1-4 mm at 40-90°ca.
121.55	125.95		4.40	0					5	2	diorite	mid grey	mg	fractured	kspar, chl, epi	Diorite with chlorite, epidote, and potassic alterations containing a few chlorite seams of up to 8 mm with 1% sulphides. Quartz carbonate veinlets of 1-10mm at 10-75°ca.
125.95	126.95	D-1016	1.00	<1	90	10			4	2	diorite	mid grey	f-mg	sheared, fractured	chl, epi, kspar	Diorite with chlorite, epidote, and potassic alterations containing a few chlorite seams of up to 8 mm with 1% sulphides. Quartz carbonate veinlets of 1-10mm at 10-75°ca.
126.95	130.84		3.89	0					5	1	diorite	mid grey	mg	fractured	chl, epi	Diorite with chlorite and epidote alterations as well as weak potassic alteration. Contains a chlorite vein of about 10mm with 1% sulphides. Quartz carbonate veinlets of 1-8 mm at 0-75° ca.
130.84	131.84	D-1017	1.00	<1	90	10			4	1	diorite	mid grey	mg	fractured	chl, epi	Diorite with chlorite and epidote alterations as well as weak potassic alteration. Contains a chlorite vein of about 10mm with 1% sulphides. Quartz carbonate veinlets of 1-8mm at 0-75° ca.
131.84	132.84	D-1018	1.00	0					4	1	diorite	mid grey	mg	fractured	chl, epi	Diorite with chlorite and epidote alterations as well as weak potassic alteration. Quartz carbonate veinlets of 1-8mm at 0-75° ca.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
132.84	142.60		9.76	0					5	2	diorite	mid grey	mg	fractured	chl, epi	Biotite diorite with chlorite, epidote, and potassic alterations. Various generations of quartz carbonate veinlets of 1-30mm at 10-80°ca. Two sections of 10mm and 30mm clay altered rock at about 60°ca.
142.60	143.70	D-1019	1.10	0					4	2	diorite	brown-grey	mg	fractured	chl, kspar	Diorite with chlorite and potassic alterations with various generations of quartz carbonate veinlets of 1-30mm at 10-80°ca.
143.70	144.80	D-1020	1.10	2	80	20			2	1	diorite or c	brown-grey	f-mg	sheared, fractured	chl, kspar	Diorite with chlorite and potassic alterations with various generations of quartz carbonate veinlets of 1-30mm at 10-80°ca. Three zones of sheared and clay altered chlorite rock of 10cm, 5cm, & 8cm; the 10 and 5cm zones contain 2% and 5% sulphides, respectively.
144.80	145.90	D-1021	1.10	0					4	1	diorite	mid grey	mg	fractured	chl, kspar	Diorite with chlorite and potassic alterations with various generations of quartz carbonate veinlets of 1-30mm at 10-80°ca.
145.90	146.90	D-1022	1.00	0					4	1	diorite	brown-grey	mg	fractured	chl, kspar	Diorite with chlorite and potassic alterations with various generations of quartz carbonate veinlets of 1-30mm at 10-80°ca.
146.90	170.64		23.74	0					5	2	diorite	mid grey	mg	fractured	epi, chl	Diorite with epidote, chlorite, and weak potassic alterations. Various generations of quartz carbonate veinlets of 1-20mm at 0-80°ca. A few small sections of up to 40mm show clay alteration at 60-80°ca.
170.64	171.64	D-1023	1.00	0					4	1	diorite	mid green	mg	brecciated	epi, chl	Diorite with epidote, chlorite, and weak potassic alterations. Various generations of quartz carbonate veinlets of 1-20mm at 0-80°ca. A few small sections of up to 40mm show clay alteration at 60-80°ca.
171.64	172.64	D-1024	1.00	0					4	1	diorite	mid green	f-mg	brecciated	epi, chl	Moderately broken diorite with epidote, chlorite, and weak potassic alterations. Various generations of quartz carbonate veinlets of 1-20mm at 0-80°ca. A few small sections of up to 40mm show clay alteration at 60-80°ca.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
172.64	174.75		2.11	0					5	1	diorite	mid grey	mg	fractured		Diorite with weak chlorite and potassic alterations. Various generations of quartz carbonate veinlets of 1-4mm at 10-65°ca. A couple of epidote veinlets of about 2mm at 45°ca.
174.75	175.75	D-1025	1.00	0					5	1	diorite	mid grey	mg	fractured		Broken diorite with weak chlorite and potassic alterations. Strongly fractured. Various generations of quartz carbonate veinlets of 1-4mm at 10-65°ca. A couple of epidote veinlets of about 2mm at 45°ca.
175.75	176.75	D-1026	1.00	2	90	10			2	1	diorite	dk green & mid-grey	f-mg	sheared, fractured	chl	Highly chloritized diorite with several chloride rock zones of up to 30cm at about 60°ca. Sulphides present as stringers and blebs in the chlorite rock (5%). Quartz carbonate veinlets of 1-8 mm at 0-80°ca.
176.75	177.75	D-1027	1.00	0					2	1	diorite	dk green & mid-grey	f-mg	sheared, brecciated	chl, clay	Highly chloritized diorite with clay and weak potassic alterations, and fault gouge. Quartz carbonate veinlets of 1-8 mm at 10-65°ca.
177.75	178.65	D-1028	0.90	0					3	1	diorite	mid brown-green	mg	sheared, brecciated	clay, kspar	Diorite with chlorite, clay, and weak potassic alterations contain a section of about 40cm sheared and gouged chlorite rock with disseminated sulphides of 2%. Quartz carbonate veinlets of 1-5 mm at 10-65°ca.
178.65	179.65	D-1029	1.00	1	90	10			2	1	diorite & chlorite rock	mid grey & dk green	f-mg	sheared	chl, clay	Diorite with chlorite, and weak clay and potassic alterations contain a section of about 40cm sheared and gouged chlorite rock with disseminated sulphides of <1%. Quartz carbonate veinlets of 1-5 mm at 10-65°ca.
179.65	180.65	D-1030	1.00	<1	90	10			4	1	diorite & chlorite	mid grey & dk green	f-mg	sheared	chl	Diorite with chlorite, epidote and weak potassic alterations. Quartz carbonate veinlets of 1-15 mm at 0-80°ca.
180.65	182.55		1.90	0					4	1	diorite	mid grey	mg	brecciated	chl, epi	Diorite with chlorite, epidote and weak potassic alterations. Quartz carbonate veinlets of 1-15 mm at 0-80°ca.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
182.55	183.55	D-1031	1.00	0					4	1	diorite	mid grey & green	f-mg	brecciated	chl, epi	Slightly broken diorite with chlorite, epidote and weak potassic alterations. Quartz carbonate veinlets of 1-15 mm at 0-80°ca.
183.55	186.50		2.95	0					4	1	diorite	mid grey	mg	fractured	chl, epi	Slightly broken diorite with chlorite, epidote and weak potassic alterations. Quartz carbonate veinlets of 1-15mm at 0-80°ca.
186.50	187.50	D-1032	1.00	0					4	1	diorite	mid grey	mg	fractured	chl, epi	Slightly broken diorite with chlorite, epidote and weak potassic alterations. Quartz carbonate veinlets of 1-15mm at 0-80°ca.
187.50	190.06		2.56	0					4	1	diorite	mid grey	mg	fractured	chl, epi	Slightly broken diorite with chlorite, clay, epidote and weak potassic alterations. Quartz carbonate veinlets of 1-15 mm at 0-80°ca.
190.06	191.11	D-1033	1.05	0					3	1	diorite	mid grey	mg	fractured, brecciated	chl, epi, clay	Slightly broken diorite with clay, chlorite, epidote and weak potassic alterations. Quartz carbonate veinlets of 1-15 mm at 0-80°ca.
191.11	192.90		1.79	0					4	1	diorite	mid grey	mg	fractured	chl, epi	Slightly broken diorite with chlorite, epidote and weak potassic alterations. Quartz carbonate veinlets of 1-15mm at 0-80°ca.
192.90	193.90	D-1034	1.00	0					3	1	diorite	mid grey & green	f-mg	brecciated, s	clay, chl, epi	Slightly broken diorite with strong clay alteration,medium chlorite, epidote and weak potassic alterations. Quartz carbonate veinlets of 1-15mm at 0-80°ca.
193.90	197.21		3.31	0					4	1	diorite	mid grey	mg	fractured	chl, epi	Slightly broken diorite with medium chlorite, epidote and weak potassic alterations. Quartz carbonate veinlets of 1-15mm at 0-80°ca.
197.21	198.21	D-1035	1.00	5	90	10			1	2	diorite	dk green	f-mg	fractured	clay, carb, chl	Diorite with strong clay, moderate carbonate and chlorite alterations. Contains disseminated sulphides and some sulphide blebs in quartz carbonate veinlets of 1-20 mm at 0-80°ca. Chlorite veinlets of 2-10mm of 10-80°ca.
198.21	199.21	D-1036	1.00	<1	90	10			3	2	diorite	mid grey & dk green	f-mg	fractured	clay, carb, chl	Diorite with clay, carbonate, and chlorite alterations. Contains only a few disseminated sulphides and some sulphide blebs in quartz carbonate veinlets of 1-20 mm at 0-80°ca. Chlorite veinlets of 2-10mm of 10-80°ca.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
199.21	200.25	D-1037	1.04	<1	90	10			3	1	diorite	mid grey & dk green	f-mg	fractured, sheared	chl, clay, kspar, epi	Diorite with chlorite, clay, potassic and epidote alterations. Contains a section about 5cm chlorite-epidote vein which contains sulphide blebs (2%). Quartz carbonate veinlets of 1-4mm at 10-80°ca.
200.25	200.30		2.10	0					4	1	diorite	mid grey	mg	fractured	chl, clay, kspar, epi	Diorite with chlorite, clay, potassic and epidote alterations.
200.30	203.30	D-1038	1.00	<1	90	10			4	1	diorite	mid grey	mg	fractured	chl, clay, kspar, epi	Diorite with chlorite, clay, potassic and epidote alterations. Contains a chlorite-epidote vein of about 20mm with sulphide stringers (5%) at 75°ca.
203.30	204.40	D-1039	1.10	0					5	1	diorite	mid grey	mg	fractured	chl, epi	Relatively fresh diorite with chlorite and epidote alteration. Quartz carbonate veinlets of 1-4mm at 5-75°ca. Hematite present on some fracture planes.
204.40	205.35		0.95	0					5	1	diorite	mid grey	mg	fractured	chl, epi	Relatively fresh but broken diorite with chlorite and epidote alteration. Quartz carbonate veinlets of 1-4mm at 5-75°ca. Hematite present on some fracture planes.
205.35	206.35	D-1040	1.00	0					3	1	diorite	mid grey	f-mg	sheared, brecciated	chl, epi, kspar, clay	Diorite with chlorite, epidote, potassic and clay alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. Epidote vein of about 20mm at 70°ca.
206.35	207.35	D-1041	1.00	0					2	1	diorite	dk green	f-mg	sheared	chl, epi	Highly chlorite and epidote altered rock that can hardly be recognized. Quartz carbonate veinlets of 1-8mm at 0-85°ca.
207.35	209.40		2.05	0					4	1	diorite	mid grey	mg	fractured	chl, epi	Diorite with chlorite, epidote, and weak potassic alterations. Various generations of quartz carbonate veinlets of 1-20mm at 10-74°ca.
209.40	210.40	D-1042	1.00	0					4	1	diorite	mid grey	mg	fractured	chl, epi	Strongly fractured and broken diorite with chlorite, epidote, and weak potassic alterations. Various generations of quartz carbonate veinlets of 1-20mm at 10-74°ca.
210.40	214.15		3.75	0					4	1	diorite	mid grey	mg	fractured	chl, epi	Strongly fractured and broken diorite with chlorite, epidote, and weak potassic alterations. Various generations of quartz carbonate veinlets of 1-20mm at 10-74°ca.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
214.15	215.15	D-1043	1.00	<1	90	10			3	1	diorite	mid grey-mid green	f-mg	fractured	chl, clay, epi	Diorite with chlorite, clay, epidote, and weak potassic alterations and contains a section of 28 cm highly chloritized and clay altered rock which shows minor disseminated sulphides(~1%). Quartz carbonate veinlets of 1-8mm at 10-70°ca.
215.15	229.83		14.68	0					4	1	diorite	mid grey	mg	fractured	chl, epi, kspar	Diorite with chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-10mm at 10-70°ca. Epidote and chlorite veins of up to 20mm at 45-65°ca.
229.83	230.73	D-1044	0.90	0					4	1	diorite	mid grey	mg	fractured	chl, epi, kspar	Slightly broken diorite with chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-10mm at 10-70°ca. Epidote and chlorite veins of up to 20mm at 45-65°ca.
230.73	248.25		7.52	0					4	1	diorite	mid grey	mg	fractured	chl, epi, kspar	Slightly broken diorite with chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-10mm at 10-70°ca. Epidote and chlorite veins of up to 20mm at 45-65°ca.
248.25	249.25	D-1045	1.00	<1	90	10			3	1	diorite	mid grey lt-mid green	mg	fractured	chl, epi, kspar	Diorite with chlorite, epidote and potassic alterations, containing a section of clay altered, lighter coloured rock of about 35cm at 45-65°ca, with 1% sulphides. Quartz carbonate veinlets of 1-10mm at 10-60°ca.
249.25	250.25	D-1046	1.00	1	85	5	10		3	1	diorite	mid grey - lt-mid green	mg	fractured	chl, epi, kspar, clay	Diorite with chlorite, epidote and potassic alterations. The clay altered lighter sections of 25cm and 10cm have about 3% sulphides. A grey vein of 2cm at 60°ca, with py, gal, cp can be seen in the first section of the clay altered area.
250.25	251.25	D-1047	1.00	<1	90	10			1	5	diorite	lt grey-green	mid-coarse	brecciated	chl, epi	Diorite with chlorite and epidote alterations. A zone of clay altered, recemented breccia of about 70cm is in the middle of the sample section, at about 45°ca. The zone is gradually changed to relatively fresh diorite within a few cm on both ends. Quartztl
251.25	252.25	D-1048	1.00	0					4	1	diorite	lt-mid green	mg	fractured	clay, chl, epi	Diorite with clay, chlorite, and epidote alterations. Quartz carbonate veinlets of 1-10mm at 10-85°ca.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
252.25	253.25	D-1049	1.00	<1	90	10			3	1	diorite	lt-mid green	mg	fractured	clay, chl, epi	Diorite with clay, chlorite, and epidote alterations. Quartz carbonate veinlets of 1-10mm at 10-85°ca. Minor sulphide mineralization can be seen in a small portion(8cm) of strongly clay altered rock(1-2%).
253.25	254.25	D-1050	1.00	1	90	10			1	3	diorite	lt grey	fg-cg	brecciated, sheared	clay, chl, epi	Partially recemented breccia with clay, chlorite, carbonate, and epidote alterations, with disseminated sulphides.
254.25	255.32	D-1051	1.07	1	90	10			1	3	diorite	lt grey	f-mg	brecciated, sheared	clay, chl, epi	Partially recemented breccia with clay, chlorite, carbonate, and epidote alterations, with disseminated sulphides.
255.32	256.32	D-1052	1.00	1	90	10			1	3	diorite	lt grey	f-mg	brecciated, sheared	clay, chl, epi	Partially recemented breccia with clay, chlorite, carbonate, and epidote alterations, with disseminated sulphides.
256.32	257.32	D-1053	1.00	1	90	10			1	2	diorite	lt grey	f-mg	brecciated	clay, chl, carb, epi	Brecciated diorite with clay, chlorite, carbonate, and epidote alterations. Quartz carbonate veinlets of 1-8mm at 10-80°ca. Disseminated sulphides also visible in rock.
257.32	258.32	D-1054	1.00	1	90	10			1	2	diorite	lt grey	f-mg	brecciated	clay, chl, carb, epi	Brecciated diorite with clay, chlorite, carbonate, and epidote alterations. Quartz carbonate veinlets of 1-8mm at 10-80°ca. Disseminated sulphides also visible in rock.
258.32	259.32	D-1055	1.00	<1	90	10			4	1	diorite	mid grey	mg	fractured	chl, kspar, clay	Relatively fresh diorite with chlorite, potassic and clay alterations. Minor disseminated sulphides present in the rock. Quartz carbonate veinlets of 1-6mm at 20-85°ca.
259.32	260.32	D-1056	1.00	0					4	1	diorite	mid grey	mg	fractured		Relatively fresh diorite with chlorite, potassic and clay alterations. Quartz carbonate veinlets of 1-6mm at 20-85°ca.
260.32	261.42	D-1057	1.10	<1	90	10			3	1	diorite	lt-m grey	mg	fractured	clay, chl, kspar	Relatively fresh diorite with chlorite, potassic and clay alterations. Minor disseminated and bleb sulphides present in the rock. Quartz carbonate veinlets of 1-6mm at 20-85°ca.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
261.42	262.62	D-1058	1.20	<1	90	10			3	1	diorite	lt-m grey	mg	fractured	clay, chl, kspar	Relatively fresh diorite with chlorite, potassic and clay alterations. Minor disseminated and bleb sulphides present in the rock. Quartz carbonate veinlets of 1-6mm at 20-85°ca.
262.62	263.90	D-1059	1.28	0					5	1	diorite	mid brown-red	mg	fractured	kspar, chl	Diorite with strong potassic and chlorite alterations as well as a little epidote alteration. Quartz carbonate veinlets of 1-10mm at 5-70°ca. A few chlorite veins of several mm at 40-60°ca.
263.90	290.69		26.79	0					5	1	diorite	mid grey	mg	fractured		Fresh diorite with medium to weak chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-15mm at 5-85°ca. Several chlorite and epidote veins up to 20mm at 30-60°ca. Clay alteration is seen in some chlorite veins.
290.69	291.69	D-1060	1.00	<1	95	5			4	3	diorite	mid grey	mg	fractured	chl, epi, kspar	Fresh diorite with moderate to strong chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-30m at 5-85°ca which contained a few sulphides. Several chlorite and epidote veins up to 20mm at 30-60°ca. Clay alteration is seen in some chlorite veins.
291.69	293.69		2.00	0					5	1	diorite	mid grey	mg	fractured		Fresh diorite with minor chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-8mm at 10-85°ca. An epidote vein of 15mm at 60°ca has chlorite veins of 5-10mm on its edges.
293.69	294.97	D-1061	1.05	0					5	1	diorite	mid grey	mg	fractured	chl	Fresh diorite with strong clay and minor chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-8mm at 10-85°ca. End of Hole.
294.97																EOH

Diamond Drill Log

Drill Hole No: EA-96-02

Logged By: Simon X. Fan

Date: September 23-27, 1996

Easting: 41+34E
Northing: 36+00N
Elevation: 976m a.s.l.

Azimuth: 042°
Inclination: -65°
Total Depth: 398.37m
Core Size: NQ-2

Survey Type: Tropari

depth	*az.*	*dip*
Collar:	042°	-63°
96.62m	046°	-66°
209.44m	049°	-80°
300.84m	038°	-67°
398.37m	048°	-68°

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
DDH: EA-96-02																
0.00	12.19		12.90													Casing
12.19	16.12		3.93	0					4	1	diorite	mid grey	mg	fractured	chl, kspar, carb	Diorite with chlorite, potassic and carbonate alterations. Quartz carbonate veinlets of 1-8mm at 5-75°ca. Chlorite and epidote veins up to 20mm at about 60°ca.
16.12	17.12	D-1062	1.00	0					4	1	diorite	lt brown	mg	fractured	chl, kspar, clay, carb	Diorite with chlorite, potassic, clay, and carbonate alteration. Quartz carbonate veinlets of 1-8mm at 5-75°ca. Chlorite and epidote veins up to 20mm at about 60°ca.
17.12	19.20		2.08	0					4	1	diorite	lt brown	mg	fractured	chl, kspar, clay, carb	Diorite with chlorite, potassic, clay, and carbonate alteration. Many quartz carbonate veinlets of 1-8mm at 5-75°ca. Chlorite and epidote veins up to 20mm at about 60°ca.
19.20	19.75		0.55	0					1	1	mafic dyke	mid green	fg	fractured	epi	Fine grained volcanic rock with epidote alteration as well as minor carbonate alteration. Sharp contact with host rock at 45°ca. A few quartz carbonate veinlets of 1-8mm at 30-60°ca.
19.75	24.40		4.65	0					5	1	diorite	mid grey	mg	fractured	epi,chl	Relatively fresh diorite with moderate epidote, chlorite and weak potassic alterations. Quartz carbonate veinlets of 1-8 mm at 10-80°ca. Chlorite and epidote veins of 10-20mm at 30-60°ca.
24.40	25.40	D-1063	1.00	<1	90	10			4	1	diorite	brown-grey	f-mg	sheared , fractured	epi, chl	Relatively fresh diorite with moderate epidote, chlorite and weak potassic alterations. Quartz carbonate veinlets of 1-8 mm at 10-80°ca. Chlorite and epidote veins of 10-20mm at 30-60°ca. Contains a chlorite zone of about 10cm with sulphides(1%) at 45°ca.
25.40	30.15		4.75	0					5	1	diorite	mid grey	mg	fractured	epi,chl	Relatively fresh diorite with moderate epidote, chlorite and weak potassic alterations. Quartz carbonate veinlets of 1-8 mm at 10-80°ca. Chlorite and epidote veins of 10-20mm at 30-60°ca.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
30.15	31.15	D-1064	1.00	0					5	1	diorite	lt-mid grey	mg	breccia-ted	clay, chl,epi, kspar	Brecciated diorite with clay, chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-15mm at 10-70°ca. Chlorite and epidote veins of 10-20mm at 45-65°ca.
31.15	33.70		2.55	0					5	1	diorite	lt-mid grey	mg	breccia-ted	clay, chl,epi, kspar	Brecciated diorite with clay, chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-15mm at 10-70°ca. Chlorite and epidote veins of 10-20mm at 45-65°ca.
33.70	43.81		10.11	0					5	1	diorite	mid grey	mg	fractured	chl,epi	Relatively fresh diorite with moderate chlorite, epidote and weak potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca.
43.81	44.81	D-1065	1 .00	<1	90	10			5	1	diorite	mid grey	mg	fractured	epi,chl	Relatively fresh diorite with moderate chlorite, epidote and weak potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Contains epidote veins of upto 20mm at 30°ca which has minor sulphides(<1%).
44.81	53.95		9.14	0					4	1	diorite	mid grey	mg	fractured & sheared	chl,epi	Diorite with chlorite, epidote, and minor potassic alterations. A recemented berecciated zone of 30cm is present on top of the section. Quartz carbonate veinlets of 1-8mm at 5-75°ca. Epidote and chlorite veins of up to 30mm at 40-65°ca.
53.95	55.65		1.70	0					1	10	diorite	rusty grey	f-cg	breccia-ted		Recemented breccia with minor chlorite and epidote alterations. Quartz carbonate veinlets of 1-20mm at 30-45°ca.
55.65	56.65	D-1066	1.00	<1	90	10			1	3	diorite	rusty grey	f-mg	breccia-ted		Recemented breccia with minor chlorite and epidote alterations. Only a few quartz carbonate veinlets of 1-20mm at 30-45°ca and with minor sulphides present.
56.65	57.65	D-1067	1.00	<1	90	10			1	3	diorite	rusty grey	f-mg	breccia-ted		Partially recemented breccia with minor chlorite and epidote alterations. Only a few quartz carbonate veinlets of 1-20mm at 30-.0045°ca and with minor sulphides present.
57.65	58.80		1.15	0					1	2	diorite	rusty grey	mg	breccia-ted	chl,epi, kspar	Brecciated diorite with chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 10-80°ca.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
58.80	60.80		2.00	<1	85	15			8	3	diorite	rusty brown	m-cg	fractured	kspar	Syenite dyke, or diorite with strong potassic alterations and weak chlorite alterations, with areas of magnetite. Mag veins and stringers of up to 20mm at 0-90°ca. Chlorite veins of up to 10mm at 30-60°ca. Sulphides found as stringers and blebs around some chlorite veins (1%).
60.80	61.80	D-1068	1 .00	<1	85	15			10	3	diorite	rusty brown	m-cg	fractured	kspar	Syenite dyke or diorite with strong potassic alterations and weak chlorite alterations, with areas of magnetite. Mag veins and stringers of up to 20mm at 0-90°ca. Chlorite veins of up to 10mm at 30-60°ca. Sulphides found as stringers and blebs around some chlorite veins (1%). The dyke or the alteration zone at 40°ca in sharp contact with fresh diorite.
61.80	66.14		4.34	0					4	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-65°ca. Chlorite veins of 2-10mm at 0-85°ca.
66.14	67.14	D-1069	1.00	<1	90	10			4	1	diorite	mid grey	mg	fractured & sheared	chl,epi, kspar	Relatively fresh diorite with chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-65°ca. Chlorite veins of 2-50mm at 5°ca which contain 1% sulphides.
67.14	73.20		6.06	0					4	1	diorite	mid grey-dk green	f-mg	fractured & sheared	chl,epi, kspar,clay	Relatively fresh, broken diorite with chlorite, epidote and potassic alterations. Also a little clay alteration. Quartz carbonate veinlets of 1-10mm at 5-65°ca. Chlorite veins of 2-50mm at 5°ca which contain 1% sulphides.
73.20	74.20	D-1070	1.00	1	95	5			1	2	diorite	lt green	f-mg	fractured	clay,chl,epi	Diorite with clay, chlorite, and epidote alterations. Quartz carbonate veinlets of 1-15mm at 10-85°ca. Disseminated sulphides present in strongly clay altered rock(1-2%).

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
74.20	75.20	D-1071	1.00	<1	90	10			1	30	diorite	lt green	f-cg	breccia-ted & sheared	clay,chl,epi	Recemented brecciated diorite with clay, chlorite, and epidote alterations. Quartz carbonate veins of up to 10cm at 35-65°ca. Chlorite veins of up to 10mm at 45 -85°ca. Disseminated sulphides and sulphide blebs in strongly clay-altered rock and chlorite vein (2%).
75.20	76.20	D-1072	1.00	1	90	10			2	20	diorite	lt-mid green	f-mg	breccia-ted & sheared	chl,epi, clay	Recemented brecciated diorite with chlorite, and epidote alterations. Weak clay alteration also present. Quartz carbonate veins of up to 10cm at 35-65°ca. Chlorite veins of up to 10mm at 45 - 85°ca. Disseminated sulphides and sulphide blebs in weak clay alteration.
76.20	81.38		5.18	0					4	2	diorite	mid grey	mg	fractured	chl,epi, kspar, clay	Relatively fresh diorite with moderate chlorite, epidote, potassic, and clay alterations. Various generations of quartz carbonate veinlets of 1-10 mm at 0-85°ca. Chlorite veins of up to 15mm at 40-60°ca.
81.38	82.38	D-1073	1.00	<1	95	5			2	5	diorite	lt-mid grey	mg	breccia-ted & sheared	clay, chl, kspar	Brecciated diorite with clay, chlorite, and potassic alterations. Various generations of quartz carbonate veinlets of 1-15mm at 5-80°ca. Chlorite veins of 2-5mm at 45-85°ca some of which contain minor sulphides.(1-2%)
82.38	83.43	D-1074	1.05	<1	80	20			1	1	diorite	dk green	fg	sheared	clay	Chlorite rock with minor clay alteration. Quartz carbonate veinlets of 1-8 mm at 10-65°ca. A few sulphide stringers and blebs present along some fracture planes.
83.43	84.90		1.47	0					4	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with chlorite, epidote, potassic alterations and minor clay alteration. Quartz carbonate veinlets of 1-8mm at 30-60°ca. A few chlorite veins of up to 15mm at 45-65°ca.
84.90	85.90	D-1075	1.00	<1	70	30			4	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with chlorite, epidote, potassic alterations and minor clay alteration. Quartz carbonate veinlets of 1-8mm at 30-60°ca. A few chlorite veins of up to 15mm at 45-65°ca. Also contains an epidote vein of about 30mm at 5°ca with <1% sulphides.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
85.90	86.90	D-1076	1 .00	<1	80	20			4	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with chlorite, epidote, potassic alterations and minor clay alteration. Quartz carbonate veinlets of 1-8mm at 30-60°ca. A few chlorite veins of up to 15mm at 45-65°ca. Minor sulphides (<1%) found in a chlorite vein of 20mm at 35°ca.
86.90	91.22		4.32	0					4	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with chlorite, epidote, potassic alterations and minor clay alteration. Quartz carbonate veinlets of 1-8mm at 30-60°ca. A few chlorite veins of up to 15mm at 45-65°ca. Trace (<<1%) sulphides found in chlorite and epidote veins.
91.22	92.22	D-1077	1.00	<1	90	10			3	1	diorite	mid grey	mg	breccia-ted & sheared	chl,epi, kspar	Brecciated diorite with chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Some of which contain disseminated sulphides as well as sulphide blebs (1%).
92.22	93.22	D-1078	1.00	<1	90	10			3	1	diorite	mid grey	mg	breccia-ted & sheared	chl,epi, kspar	Brecciated diorite with chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Some of which contain disseminated sulphides as well as sulphide blebs.(1%)
93.22	94.22	D-1079	1.00	<1	90	10			3	1	diorite & chlorit e rock	mid grey-dk green	f-mg	breccia-ted & sheared	chl	Brecciated diorite with chlorite (strong), epidote, and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Some of which contain disseminated sulphides as well as sulphide blebs.(1%) One part of the section can hardly be recognized as diorite.
94.22	96.30		2.08	0					4	1	diorite	mid brown	mg	fractured	chl, kspar	Relatively fresh diorite with chlorite and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite veins of 2-30mm at 45-70°ca.
96.30	97.30	D-1080	1.00	0					3	10	diorite & chlorit e rock	dk green, brown	f-mg	breccia-ted & sheared	chl	Partially recemented brecciate and diorite with chlorite alterations, minor clay and potassic alterations. Quartz carbonate veinlets of 1-15mm at 5-75°ca. Chlorite veins of up to 30mm at 30-65°ca.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
97.30	104.35		7.05	0					5	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-10mm at 10-80°ca. Chlorite veins of 3-20mm at 30-60°ca.
104.35	105.35	D-1081	1.00	<1	90	10			2	3	diorite	mid grey, rusty	f-mg	fractured & sheared	kspar, chl	Fully potassic and chlorite altered rock and diorite with chlorite, potassic, and epidote alterations. Quartz carbonate veinlets of 1-4mm at 10-80°ca. Chlorite veins of 3-15mm at 10-60°ca, some of which contain sulphide blebs.(1-2%)
105.35	106.35	D-1082	1.00	<1	85	15			1	1	mafic dyke	lt brown	fg	fractured	kspar, chl	Fully potassic and chlorite altered rock on acidic volcanic rock with chlorite alterations. Quartz carbonate veinlets of 1-5mm at 15-85°ca. Sulphide stringers and blebs found in some chlorite veins.(<1%)
106.35	115.25		8.9 0	0					5	2	diorite	mid grey	mg	fractured	chl, kspar, epi	Relatively fresh diorite with moderate chlorite, potassic, and epidote alterations. Quartz carbonate veinlets of 1-20mm at 5-85°ca. Chlorite veins and epidote veins of 2-20mm at 35-65°ca.
115.25	116.25	D-1083	1.00	1	90	10			1	15	diorite & chl. rock	lt grey, lt green	f-mg	breccia-ted & sheared	clay,chl	Diorite with clay and chlorite alterations containing disseminated sulphides(<1%). A zone of quartz carbonate and chlorite brecciate of 25cm at 45°ca, contains sulphide blebs(1%).
116.25	137.00		20.75	0					5	2	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with moderate chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-20mm at 0-85°ca. Chlorite and epidote veins of up to several cm at 20-80°ca.
137.00	138.00	D-1084	1.00	<1	90	10			5	1	diorite	dk green	f-mg	fractured	chl	Relatively fresh diorite with strong chlorite, moderate epidote, and potassic alterations. Quartz carbonate veinlets of 1-20mm at 0-85°ca. Chlorite and epidote veins of up to several cm at 20-80°ca. A few sulphide blebs were found in a small epidote stringer (<1%).
138.00	147.74		9.74	0					5	2	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with moderate chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-25mm at 0-85°ca. Chlorite and epidote veins of 3-15mm at 30-60°ca.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
147.74	148.74	D-1085	1 .00	<1	80	20			5	2	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with moderate chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-25mm at 0-85°ca. Chlorite and epidote veins of 3-15mm at 30-60°ca. Also has a chlorite vein of 15mm at 45°ca that contains sulphide stringers and blebs (1%).
148.74	151.44		2.7 0	0					5	2	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with moderate chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-25mm at 0-85°ca. Chlorite and epidote veins of 3-15mm at 30-60°ca.
151.44	152.44	D-1086	1.00	<1	80	20			3	1	diorite & chl. rock	mid grey, dk green	f-mg	sheared & fractured	chl,epi, kspar	Approximately half diorite rock and half diorite with chlorite, epidote, and potassic alterations. The contact of chlorite rock and diorite is at about 5°ca. Sulphide stringers and blebs found in chlorite rock (1%). Quartz carbonate veinlets of 1-8mm at 5-85°ca .
152.44	153.49	D-1087	1.05	<1	80	20			3	1	diorite & chl. rock	mid grey, dk green	f-mg	sheared & fractured	chl,epi, kspar	Approximately half diorite rock and half diorite with chlorite, epidote, and potassic alterations. The contact of chlorite rock and diorite is at about 5°ca. Sulphide stringers and blebs found in chlorite rock (1%). Quartz carbonate veinlets of 1-8mm at 5-85°ca seen with both rock types.
153.49	154.49	D-1088	1.00	<1	80	20			4	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with few sulphides (<1%) in small epidote stringers.
154.49	155.49	D-1089	1.00	<1	80	20			3	1	diorite & chl. rock	mid grey, dk green	f-mg	fractured	chl,epi, kspar	Approximately one third chlorite rock and two thirds diorite with chlorite, epidote, and potassic alterations. The contact of these two types of rock is at about 5-10°ca. Sulphide blebs are seen in chlorite rock (<1%). Quartz carbonate veinlets of 1-15mm at 5-65°ca seen in both rocks.
155.49	156.49	D-1090	1.00	<1	80	20			3	1	diorite & chl. rock	mid grey, dk green	f-mg	fractured	chl,epi, kspar	Approximately one third chlorite rock and two thirds diorite with chlorite, epidote, and potassic alterations. The contact of these two types of rock is at about 5-10°ca. Sulphide blebs are seen in chlorite rock (<1%). Quartz carbonate veinlets of 1-15mm at(ö

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
156.49	157.49	D-1091	1.00	0					5	2	diorite	mid grey	mg	fractured	chl,epi, kspar	Approximately one third chlorite rock and two thirds diorite with chlorite, epidote, and potassic alterations. The contact of these two types of rock is at about 5-10°ca. Quartz carbonate veinlets of 1-15mm at 5-65°ca present in both rocks.
157.49	162.53		5.04	0					5	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Approximately one third chlorite rock and two thirds diorite with chlorite, epidote, and potassic alterations. The contact of these two types of rock is at about 5-10°ca. Quartz carbonate veinlets of 1-15mm at 5-65°ca present in both rocks.
162.53	163.53	D-1092	1 .00	<1	80	20			3	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Diorite with chlorite, epidote, and potassic alterations. A fully chloritized and epidotized zone of about 30cm at 50°ca contains a few sulphide blebs(<1%). Quartz carbonate veinlets of 1-5mm at 10-80°ca present throughout the section.
163.53	170.05		6.52	0					5	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with moderate chlorite, epidote, and potassic alterations. Minor clay alterations can be seen in a small portion of the rock. Quartz carbonate veinlets of 1-10mm at 0-85°ca. Chlorite and epidote veins of up to 45mm at 45-65°ca.
170.05	171.05	D-1093	1.00	<1	95	5			4	1	diorite	mid grey	mg	fractured	chl,epi, kspar, clay	Relatively fresh diorite with moderate chlorite, epidote, and potassic alterations. Minor clay alterations can be seen in a small portion of the rock. Quartz carbonate veinlets of 1-10mm at 0-85°ca. Chlorite and only a few epidote veins of up to 45mm at 45-65°ca.
171.05	172.05	D-1094	1.00	<1	80	20			4	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with moderate chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-10mm at 0-85°ca. Chlorite and only a few epidote veins of up to 45mm at 45-65°ca. Some sulphides are also present in small (5mm) chlorite veins (<1%).

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
172.05	173.05	D-1095	1.00	<1	80	20			4	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with moderate chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-10mm at 0-85°ca. Chlorite and only a few epidote veins of up to 45mm at 45-65°ca. Some sulphides are also present in small (5mm) chlorite vein (<1%).
173.05	192.95		19.9 0	<1	80	20			5	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with moderate chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-10mm at 0-85°ca. Chlorite and only a few epidote veins of up to 45mm at 45-65°ca. Some sulphides are also present in small (5mm) chlorite vein (<1%).
192.95	193.95	D-1096	1.00	<1	80	20			5	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh and broken diorite with moderate chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-10mm at 0-85°ca. Chlorite and only a few epidote veins of up to 45mm at 45-65°ca. Some sulphides are also present in small (5mm).
193.95	200.25		6.30	0					5	5	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh and broken diorite with moderate chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-10mm at 0-85°ca. Chlorite and only a few epidote veins of up to 45mm at 45-65°ca.
200.25	201.25	D-1097	1.00	0					4	1	diorite	mid grey-mid green	f-mg	breccia-ted & sheared	chl,epi, kspar	Diorite with chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-8mm at 5-80°ca. Chlorite and epidote veinlets of up to 50mm at 45-65°ca.
201.25	204.45		3.20	0					4	1	diorite	mid grey-mid green	mg	sheared & fractured	chl,epi, kspar	Diorite with chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-8mm at 5-80°ca. Chlorite and epidote veinlets of up to 50mm at 45-65°ca.
204.45	205.45	D-1098	1 .00	<1	90	10			2	1	diorite	lt grey	f-mg	breccia-ted & sheared	clay, chl,epi	Diorite with clay, chlorite, and epidote alterations. Quartz carbonate veinlets of 1-10mm at 10-80°ca. Disseminated sulphides found in clay altered diorite(<1%). A few sulphide blebs found in chlorite veins(<1%).

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
205.45	206.45	D-1099	1.00	<1	90	10			2	1	diorite	lt grey	f-mg	breccia-ted & sheared	clay, chl,epi	Diorite with clay, chlorite, and epidote alterations. Quartz carbonate veinlets of 1-10mm at 10-80°ca. Disseminated sulphides found in clay altered diorite(<1%). A few sulphide blebs found in chlorite veins(<1%).
206.45	207.45	D-1100	1.00	<1	90	10			2	1	diorite	lt grey	f-mg	breccia-ted & sheared	clay, chl,epi	Diorite with clay, chlorite, and epidote alterations. Quartz carbonate veinlets of 1-10mm at 10-80°ca. Disseminated sulphides found in clay altered diorite(<1%). A few sulphide blebs found in chlorite vein.s(<1%)
207.45	208.45	D-1101	1.00	<1	90	10			3	1	diorite	lt grey-mid grey	mg	breccia-ted & sheared	clay, chl,epi, kspar	Diorite with clay, chlorite, and epidote alterations. Potassic alteration near the end of the section. Quartz carbonate veinlets of 1-10mm at 10-80°ca. Disseminated sulphides found in clay altered diorite(<1%). A few sulphide blebs found in chlorite veins (<1%).
208.45	212.76		4.31	0					4	1	diorite	mid grey	mg		chl,epi, kspar	Relatively fresh diorite with chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-10mm at 10-80°ca. Chlorite and epidote veins of 1-15mm at 30-60°ca.
212.76	213.76	D-1102	1.00	0					4	1	diorite	mid grey	mg	breccia-ted & sheared	chl,epi, kspar	Relatively fresh broken diorite with chlorite, epidote, potassic, and minor clay alterations. Quartz carbonate veinlets of 1-10mm at 10-80°ca. Chlorite and epidote veins of 1-15mm at 30-60°ca.
213.76	237.00		23.24	0					4	1	diorite	mid grey	mg	fractured & breccia-ted	chl,epi, kspar	Relatively fresh diorite with chlorite, epidote, potassic, and minor clay alterations. Quartz carbonate veinlets of 1-10mm at 10-80°ca. Chlorite and epidote veins of 1-15mm at 30-60°ca. Also contains a mid-grren volcanic dyke of about 45cm at 5°ca in the middle of this section.
237.00	238.10	D-1103	1.00	0					0	2	mafic dyke	mid grey	fg	fractured	chl,epi	Volcanic rock with moderate chlorite and epidote alterations. Quartz carbonate veinlets of 1-10mm at 10-70°ca.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
238.10	246.32		8.22	0					5	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with moderate chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-75°ca. Chlorite and epidote veins of 2-10mm at 30-60°ca.
246.32	247.32	D-1104	1.00	<1	95	5			3	1	diorite & chl. rock	mid grey, dk green	f-mg	fractured	chl,epi, kspar	Approximately half chlorite rock and half diorite with chlorite, epidote, and potassic alterations. The contact of these two types of rock is about 40°ca. Trace sulphides in the chlorite rock. Quartz carbonate veinlets of 1-5mm at 10-80°ca in both rock types.
247.32	248.62	D-1105	1.3 0	trac e	95	5			0	1	mafic dyke	mid green	fg	fractured	dyke	Volcanic dyke with moderate epidote and chlorite alterations. Trace disseminated sulphides present in the rock. Quartz carbonate veinlets of 1-5mm at 10-70°ca.
248.62	252.57		3.95	0					5	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with moderate chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-75°ca. Chlorite and epidote veins of 2-10mm at 30-60°ca.
252.57	255.08		2.51	0					0	1	mafic dyke	mid green	fg	fractured	dyke	Volcanic dyke with moderate epidote and chlorite alterations. Quartz carbonate veinlets of 1-8mm at 10-80°ca.
255.08	261.42		6.34	0					5	1	diorite	mid gray	mg	fractured	chl,epi, kspar	Relatively fresh diorite with moderate chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-75°ca. Chlorite and epidote veins of 2-10mm at 30-60°ca.
261.42	262.42	D-1106	1.00	0					4	1	diorite	mid gray	mg	fractured	chl	Relatively fresh diorite with strong chlorite, moderate epidote, and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-75°ca. Chlorite and epidote veins of 2-10mm at 30-60°ca.
262.42	265.70		3.28	0					5	1	diorite	mid gray	mg	fractured	chl	Relatively fresh diorite with strong chlorite, moderate epidote, and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-75°ca. Chlorite and epidote veins of 2-10mm at 30-60°ca.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
265.70	266.70	D-1107	1.00	<1	90	10			3	1	diorite	dk green	f-mg	sheared & fractured	chl	Strongly chlorite altered diorite and some portion has become chlorite rock. Quartz carbonate veinlets of 1-15mm at 10-80°ca. Some disseminated sulphides in clay altered portion, and a few sulphide blebs in chlorite(<1%).
266.70	267.70	D-1108	1.00	<1	90	10			3	1	diorite	lt-mid grey	mg	fractured	clay, chl,epi	Diorite with clay, chlorite, and epidote alterations. Quartz carbonate veinlets of 1-10mm at 5-80°ca. Disseminated sulphides in the clay altered portion ~20cm (<1%).
267.70	268.75		1.05	0					4	1	diorite	mid grey	mg	fractured	chl,epi	Diorite with chlorite and epidote alterations. Quartz carbonate veinlets of 1-10mm at 5-80°ca. Disseminated sulphides in the clay altered portion ~20cm (<1%).
268.75	269.75	D-1109	1 .00	<1	90	10			3	1	diorite	mid grey	mg	fractured	chl, clay, epi	Diorite with moderate clay, chlorite, and epidote alterations. Quartz carbonate veinlets of 1-10mm at 5-80°ca. Disseminated sulphides in some clay altered portions ~25cm (<1%).
269.75	273.93		4.18	0					5	1	diorite	mid grey	mg	fractured	chl, clay, epi	Relatively fresh diorite with strong chlorite, moderate epidote, and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-75°ca.
273.93	274.93	D-1110	1.00	0					4	1	diorite	mid grey	mg	fractured	chl,epi	Relatively fresh diorite with strong chlorite and epidote alterations, and moderate potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-75°ca. Also with a few centimetres of fault gouge.
274.93	277.51		2.58	0					4	1	diorite	mid grey	mg	fractured	chl,epi, clay	Relatively fresh diorite with chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-75°ca. Also with a few centimetres of fault gouge.
277.51	278.51	D-1111	1 .00	<1	80	20			4	1	diorite	mid grey	mg	fractured	chl,epi, clay	Relatively fresh diorite with chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-75°ca. Also with a few centimetres of fault gouge. Minor sulphide blebs present in some chlorite veins(<1%).

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
278.51	280.76		2.25	0					5	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with moderate chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-15mm at 10-85°ca. Chlorite and epidote veins of 2-10mm at 35-65°ca.
280.76	281.76	D-1112	1.00	<1	90	10			3	1	diorite	lt-mid grey	mg	fractured	chl,epi, kspar, clay	Relatively fresh diorite with moderate chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-15mm at 10-85°ca. Chlorite and epidote veins of 2-10mm at 35-65°ca. A portion of 45cm shows clay alterations well. Disseminated sulphides seen in clay-altered rocks.
281.76	282.76	D-1113	1.00	0					4	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with moderate chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-15mm at 10-85°ca. Chlorite and epidote veins of 2-10mm at 35-65°ca. Weak clay alteration as well.
282.76	287.27		4.51	0					5	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with moderate chlorite, epidote, and potassic alterations.
287.27	288.27	D-1114	1.00	<1	80	10			6	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with moderate chlorite, epidote, and potassic alterations. A few sulphide blebs present in a chlorite vein of about 80mm which also contains some mag stringers up to several cm^2.
288.27	289.27	D-1115	1.00	0					5	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with moderate chlorite, epidote, and potassic alterations.
289.27	290.53		1.26	0					5	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with moderate chlorite, epidote, and potassic alterations.
290.53	291.53	D-1116	1.00	<1	85	15			5	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with moderate chlorite, epidote, and potassic alterations. A few sulphide blebs can be seen in a couple of chlorite veins of 20mm and 10mm at ~45°ca.
291.53	292.08		0.55	0					5	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with moderate chlorite, epidote, and potassic alterations.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
292.08	293.08	D-1117	1 .00	<1	85	15			5	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with moderate chlorite, epidote, and potassic alterations. A few sulphide blebs are present in a chlorite vein of a few centimetres at ~40°ca.
293.08	294.08	D-1118	1.00	<1	85	15			5	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with moderate chlorite, epidote, and potassic alterations. A few sulphide blebs are present in a chlorite vein of a few centimetres at ~40°ca.
294.08	295.08	D-1119	1.00	<1	85	15			5	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with moderate chlorite, epidote, and potassic alterations. A few sulphide blebs are present in a chlorite vein of a few centimetres at ~40°ca.
295.08	296.08	D-1120	1.00	<1	85	15			5	1	diorite	mid grey	mg	fractured	chl, clay, epi, kspar	Relatively fresh diorite with moderate clay, chlorite, epidote, and potassic alterations. A few sulphide blebs are present in a chlorite vein of a few centimetres at ~40°ca. The clay altered zone of the section contained some disseminated sulphides (1%).
296.08	297.23	D-1121	1.15	<1	85	15			5	1	diorite	mid grey	mg	fractured	chl, clay, epi, kspar	Relatively fresh diorite with moderate clay, chlorite, epidote, and potassic alterations. A few sulphide blebs are present in a chlorite vein of a few centimetres at ~40°ca. The clay altered zone of the section contained some disseminated sulphides (1%).
297.23	303.90		6.67	0					5	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with moderate epidote, chlorite, and potassic alterations. A few sulphide blebs are present in a chlorite vein of a few centimetres at ~40°ca.
303.90	304.90	D-1122	1.00	<1	85	15			5	1	diorite	mid grey	mg	sheared & fractured	chl,epi, kspar	Relatively fresh diorite with moderate epidote, chlorite, and potassic alterations. A few sulphide blebs are present in a chlorite vein of a few centimetres at ~40°ca. Some sulphide blebs in a few chlorite veins of 5-20mm at 30-45°ca.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
304.90	305.90	D-1123	1.00	<1	85	15			5	1	diorite	mid grey	mg	sheared & fractured	chl,epi, kspar	Relatively fresh diorite with moderate epidote, chlorite, and potassic alterations. A few sulphide blebs are present in a chlorite vein of a few centimetres at ~40°ca. Some sulphide blebs in a few chlorite veins of 5-20mm at 30-45°ca.
305.90	306.90	D-1124	1.00	<1	85	15			5	1	diorite	mid grey	mg	sheared & fractured	chl,epi, kspar	Relatively fresh diorite with moderate epidote, chlorite, and potassic alterations. A few sulphide blebs are present in a chlorite vein of a few centimetres at ~40°ca. Some sulphide blebs are present in a few chlorite veins of 5-20mm at 30-45°ca.
306.90	307.90	D-1125	1.00	0	85	15			5	1	diorite	mid grey	mg	sheared & fractured	chl,epi, kspar	Relatively fresh diorite with moderate epidote, chlorite, and potassic alterations. A few sulphide blebs are present in a chlorite vein of a few centimetres at ~40°ca.
307.90	308.83		0.93	0					0	0	diorite				chl,epi, kspar	Relatively fresh diorite with chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 10-80°ca. Chlorite and epidote veins of 3-15 mm at 30-60°ca.
308.83	309.83	D-1126	1.00	0					0	1	mafic dyke	mid green	f-cg	slightly fractured	dyke	Diabase dyke or basic volcanic porphyry with epidote alteration and minor chlorite alteration. A few quartz carbonate veinlets of 1-10mm at 10-80°ca.
309.83	312.40		2.57	0					0	1	mafic dyke	mid green	f-cg	slightly fractured	dyke	Diabase dyke or basic volcanic porphyry with epidote alteration and minor chlorite alteration. A few quartz carbonate veinlets of 1-10mm at 10-80°ca.
312.40	313.40	D-1127	1.00	trace	90	10			4	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 10-80°ca. Chlorite and epidote veins of 3-15 mm at 30-60°ca. Contact zone with the above diabase dyke was highly chlorite altered at 45°ca. Minor sulphides seen in the contact zone.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
313.40	321.37		7.97	0					5	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 10-80°ca. Chlorite and epidote veins of 3-15 mm at 30-60°ca. Contact zone with the above diabase dyke was highly chlorite altered at 45°ca. Minor sulphides seen in the contact zone.
321.37	322.17	D-1128	0.8 0	<1	85	15			1	2	mafic dyke	mid green	fg	fractured	dyke	Volcanic sandstone with epidote and chlorite alteration. Quartz carbonate veinlets of 1-5mm at 5-70°ca. Chlorite and epidote veins of 2-20mm at 40-60ca. A few sulphide blebs up to 2cm² can be seen along chlorite epidote veins.
322.17	323.37	D-1129	1.2 0	0					5	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 10-80°ca. Chlorite and epidote veins of 3-15 mm at 30-60°ca.
323.37	324.67		1.30	0					5	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 10-80°ca. Chlorite and epidote veins of 3-15 mm at 30-60°ca.
324.67	325.67	D-1130	1 .00	1	85	15			4	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 10-80°ca. Chlorite and epidote veins of 3-15 mm at 30-60°ca. Sulphide stringers and blebs can be seen in some chlorite veins and along some fracture planes.
325.67	326.67	D-1131	1.00	1	85	15			4	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 10-80°ca. Chlorite and epidote veins of 3-15 mm at 30-60°ca. Sulphide stringers and blebs can be seen in some chlorite veins and along some fracture planes.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
326.67	327.67	D-1132	1 .00	1	85	15			4	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 10-80°ca. Chlorite and epidote veins of 3-15 mm at 30-60°ca. Sulphide stringers and blebs can be seen in some chlorite veins and along some fracture planes.
327.67	328.67	D-1133	1 .00	1	85	15			4	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 10-80°ca. Chlorite and epidote veins of 3-15 mm at 30-60°ca. Also contains a brecciated zone of about 35cm. Sulphide stringers and blebs can be seen in some chlorite veins and along some fracture planes.
328.67	329.67	D-1134	1.00	<1	85	15			4	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 10-80°ca. Chlorite and epidote veins of 3-15 mm at 30-60°ca. Sulphide stringers and blebs can be seen in some chlorite veins and along some fracture planes.
329.67	330.67	D-1135	1.00	<1	85	15			5	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 10-80°ca. Chlorite and epidote veins of 3-15 mm at 30-60°ca. Sulphide stringers and blebs can be seen in some chlorite veins and along some fracture planes.
330.67	331.67	D-1136	1.00	<1	85	15			5	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 10-80°ca. Chlorite and epidote veins of 3-15 mm at 30-60°ca. Sulphide stringers and blebs can be seen in some chlorite veins and along some fracture planes.
331.67	332.67	D-1137	1.00	<1	85	15			5	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 10-80°ca. Chlorite and epidote veins of 3-15 mm at 30-60°ca. Sulphide stringers and blebs can be seen in some chlorite veins and along some fracture planes.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
332.67	334.53		1.86	0					5	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 10-80°ca. Chlorite and epidote veins of 3-15 mm at 30-60°ca.
334.53	335.53	D-1138	1 .00	<1	90	10			3	1	diorite	mid grey	f-mg	sheared & fractured	chl, clay, epi, kspar	Diorite with strong chlorite, and moderate clay, epidote,and potassic alterations. Quartz carbonate veinlets of 1-8mm of 10-80°ca. Sulphide blebs present in chlorite veins(<1%). Disseminated sulphides present in the clay altered zone(~15cm, <1%).
335.53	336.53	D-1139	1 .00	0					5	1	diorite	brown-green	mg	fractured	kspar, epi,chl	Diorite with strong potassic and epidote alterations and moderate chlorite alteration. Quartz carbonate veinlets of 1-8mm at 5-80°ca. Chlorite and epidote veins of 3-15mm at 30-60°ca.
336.53	337.53	D-1140	1.00	<1	90	10			3	1	diorite	lt-mid grey	mg	fractured	clay, chl,epi	Diorite with clay, chlorite and epidote alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. Chlorite veins of 2-5mm at 40-60°ca. A few sulphide blebs present in a chlorite vein at 60°ca(<1%).
337.53	338.53	D-1141	1 .00	<1	90	10			4	1	diorite	mid grey	mg	fractured	chl, kspar, epi	Diorite with potassic, chlorite and epidote alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. Chlorite veins of 2-5mm at 40-60°ca. A few sulphide blebs present in a chlorite vein at 60°ca(<1%).
338.53	339.53	D-1142	1 .00	<1	90	10			4	1	diorite	mid grey	mg	fractured	chl, kspar, epi	Diorite with potassic, chlorite and epidote alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. Chlorite veins of 2-5mm at 40-60°ca. A few sulphide blebs present in a chlorite vein at 60°ca(<1%).
339.53	340.96		1.43	0					4	1	diorite	mid grey	mg	fractured	chl, kspar, epi	Diorite with potassic, chlorite and epidote alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. Chlorite veins of 2-5mm at 40-60°ca.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
340.96	342.11	D-1143	1.15	<1	90	10			4	1	diorite	mid grey	mg	fractured	chl, kkspar, epi	Diorite with potassic, chlorite and epidote alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. Chlorite veins of 2-5mm at 40-60°ca. A few sulphide blebs present along chloritized fracture planes.
342.11	343.11	D-1144	1 .00	1	85	15			3	1	diorite	mid grey	mg	fractured	chl, kkspar, epi clay	Diorite with potassic, chlorite and epidote alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. Chlorite veins of 2-5mm at 40-60°ca. A few sulphide blebs present along chloritized fracture planes. Also with stringer chlorite and clay alterations.
343.11	344.11	D-1145	1.00	<1	85	15			3	1	diorite	mid grey	mg	fractured	chl,epi, kspar, clay	Diorite with strong epidote alterations and moderate potassic and chlorite alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. Chlorite veins of 2-5mm at 40-60°ca. A few sulphide blebs present along chloritized fracture planes. Also with stringer chlorite and clay alterations.
344.11	345.21	D-1146	1.1 0	<1	85	15			3	1	diorite	mid grey-mid green	mg	fractured	chl,epi, kspar, clay	Diorite with strong epidote alterations and moderate potassic and chlorite alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. Chlorite veins of 2-5mm at 40-60°ca. A few sulphide blebs present along chloritized fracture planes. Also with stringer chlorite and clay alterations.
345.21	346.21	D-1147	1 .00	0					3	1	diorite	mid grey	mg	sheared & fractured	chl,epi, kspar, c lay	Diorite with strong epidote alterations and moderate potassic and chlorite alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. Chlorite veins of 2-5mm at 40-60°ca. Also with stringer chlorite and clay alterations. Contains a shear zone of about 20 cm at 45°ca, and no visible sulphides.
346.21	347.21	D-1148	1.00	<1	90	10			3	1	diorite	mid grey	mg	sheared & fractured	chl,epi, kspar, clay	Diorite with strong epidote alterations and moderate potassic and chlorite alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. Chlorite veins of 2-5mm at 40-60°ca. A few sulphide blebs present along chloritized fracture planes. Also with stringer chlorite and clay alterations. Some sulphide blebs seen along some fracture planes with chlorite alteration.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
347.21	348.21	D-1149	1 .00	<1	90	10			3	1	diorite	mid grey	mg	sheared & fractured	chl,epi, kspar, clay	Diorite with strong epidote alterations and moderate potassic and chlorite alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. Chlorite veins of 2-5mm at 40-60°ca. A few sulphide blebs present along chloritized fracture planes. Also with stringer chlorite and clay alterations.
348.21	349.21	D-1150	1.00	<1	90	10			3	1	diorite	mid grey	mg	sheared & fractured	chl,epi, kspar, clay	Diorite with strong epidote alterations and moderate potassic and chlorite alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. Chlorite veins of 2-5mm at 40-60°ca. A few sulphide blebs present along chloritized fracture planes. Also with stringer chlorite and clay alterations.
349.21	350.21	D-1151	1.00	<1	90	10			3	1	diorite	mid grey	mg	sheared & fractured	chl,epi, kspar, clay	Diorite with strong epidote alterations and moderate potassic and chlorite alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. Chlorite veins of 2-5mm at 40-60°ca. A few sulphide blebs present along chloritized fracture planes. Also with stringer chlorite and clay alterations.
350.21	351.21	D-1152	1 .00	<1	90	10			3	1	diorite	mid grey	mg	sheared & fractured	chl,epi, kspar, clay	Diorite with strong epidote alterations and moderate potassic and chlorite alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. Chlorite veins of 2-5mm at 40-60°ca. A few sulphide blebs present along chloritized fracture planes. Also with stringer chlorite and clay alterations.
351.21	352.21	D-1153	1 .00	<1	90	10			3	1	diorite	mid grey	mg	sheared & fractured	chl,epi, kspar, clay	Diorite with strong epidote alterations and moderate potassic and chlorite alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. Chlorite veins of 2-5mm at 40-60°ca. A few sulphide blebs present along chloritized fracture planes. Also with stringer chlorite and clay alterations.
352.21	353.21	D-1154	1 .00	<1	85	15			3	1	diorite	mid grey	mg	fractured	chl,epi, kspar, clay	Diorite with strong epidote alterations and moderate potassic and chlorite alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. Chlorite veins of 2-5mm at 40-60°ca. A few sulphide blebs present along chloritized fracture planes. Also with stringer chlorite and clay alterations.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
353.21	354.21	D-1155	1 .00	<1	85	15			3	1	diorite	mid grey	mg	fractured	chl,epi, kspar, clay	Diorite with strong epidote alterations and moderate potassic and chlorite alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. Chlorite veins of 2-5mm at 40-60°ca. A few sulphide stringers and blebs mainly seen in epidote veins of up to 3 cm at about 60°ca (<1%).
354.21	355.31	D-1156	1.1 0	0					4	1	diorite	mid grey	mg	fractured	chl,epi, kspar, clay	Diorite with strong epidote alterations and moderate potassic and chlorite alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. Chlorite veins of 2-5mm at 40-60°ca.
355.31	356.41	D-1157	1.1 0	<1	80	20			4	1	diorite	mid grey	mg	fractured	chl,epi, kspar, clay	Diorite with strong epidote alterations and moderate potassic and chlorite alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. Chlorite veins of 2-5mm at 40-60°ca. Sulphide stringers and blebs can be seen in an epidote vein of up to 40mm at about 40°ca (1%).
356.41	357.51	D-1158	1.10	<1	80	20			4	1	diorite	mid grey	mg	fractured	chl,epi, kspar, clay	Diorite with strong epidote alteration and moderate potassic and chlorite alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. Chlorite veins of 2-5mm at 40-60°ca. Sulphide stringers and blebs can be seen in an epidote vein of up to 40mm at about 40°ca (1%).
357.51	358.61	D-1159	1.10	<1	80	20			4	1	diorite	mid grey	mg	fractured	chl,epi, kspar, clay	Diorite with strong epidote alteration and moderate potassic and chlorite alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. Chlorite veins of 2-5mm at 40-60°ca. Sulphide stringers and blebs can be seen in an epidote vein of up to 40mm at about 40°ca (1%).
358.61	359.61	D-1160	1.00	<1	80	20			4	1	diorite	mid grey	mg	fractured	chl,epi, kspar, clay	Diorite with strong epidote alteration and moderate potassic and chlorite alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. Chlorite veins of 2-5mm at 40-60°ca. Sulphide stringers and blebs can be seen in an epidote vein of up to 40mm at about 40°ca (1%).

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
359.61	360.71	D-1161	1.10	<1	80	20			4	1	diorite	mid grey	mg	fractured	chl,epi, kspar, clay	Diorite with strong epidote alteration and moderate potassic and chlorite alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. Chlorite veins of 2-5mm at 40-60°ca. Sulphide stringers and blebs can be seen in an epidote vein of up to 40mm at about 40°ca (1%).
360.71	361.84	D-1162	1.13	<1	80	20			4	1	diorite	mid grey	mg	fractured	chl,epi, clay, kspar	Diorite with strong epidote alterations and moderate clay, potassic, and chlorite alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. Chlorite veins of 2-5mm at 40-60°ca. Sulphide stringers and blebs can be seen in an epidote vein of up to 40mm at about 40°ca (1%).
361.84	362.84	D-1163	1 .00	<1	80	20			4	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Diorite with strong epidote alterations and moderate potassic and chlorite alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. Chlorite veins of 2-5mm at 40-60°ca. Sulphide stringers and blebs can be seen in an epidote vein of up to 40mm at about 40°ca (1%).
362.84	363.84	D-1164	1.00	<1	80	20			4	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Diorite with strong epidote alterations and moderate potassic and chlorite alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. Chlorite veins of 2-5mm at 40-60°ca. Sulphide stringers and blebs can be seen in an epidote vein of up to 40mm at about 40°ca (1%).
363.84	364.84	D-1165	1 .00	trac e	90	10			5	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with moderate chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. A few chlorite and epidote veins of 3-8mm at 30-60°ca. Trace sulphides present along fracture planes with chlorite alteration.
364.84	368.75		3.91	trac e	90	10			5	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with moderate chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. A few chlorite and epidote veins of 3-8mm at 30-60°ca. Trace sulphides present along fracture planes with chlorite alteration.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
368.75	369.75	D-1166	1.00	<1	80	20			4	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with moderate chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. A few chlorite and epidote veins of 3-15mm at 30-60°ca, with sulphide stringers and blebs (1%).
369.75	370.80	D-1167	1.05	<1	80	20			4	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with moderate chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. A few chlorite and epidote veins of 3-15mm at 30-60°ca, with sulphide stringers and blebs (1%).
370.80	371.80	D-1168	1.00	<1	80	20			4	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with moderate chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. A few chlorite and epidote veins of 3-15mm at 30-60°ca, with sulphide stringers and blebs (1%).
371.80	372.80	D-1169	1 .00	<1	75	20			4	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with moderate chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. A few chlorite and epidote veins of 3-15mm at 30-60°ca, with sulphide stringers and blebs (1%).
372.80	373.90	D-1170	1.1 0	<1	75	20		5	4	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with moderate chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. A few chlorite and epidote veins of 3-15mm at 30-60°ca, with sulphide stringers and blebs (1%).
373.90	374.90	D-1171	1 .00	1	85	15			10	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with moderate chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. A few chlorite and epidote veins of 3-15mm at 30-60°ca. Strong mag flooding in a zone of about 20cm at 45°ca.Mag crystals up to several cm. Disseminated sulphides, sulphide stringers and blebs seen in this zone (2%).

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
374.90	375.90	D-1172	1.00	<1	85	15			10	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with moderate chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. A few chlorite and epidote veins of 3-15mm at 30-60°ca. Strong mag flooding in a zone of about 20cm at 45°ca.Mag crystals up to several cm. Sulphides seen but <2%.
375.90	376.90	D-1173	1.00	<1	75	20		5	4	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with strong epidote alteraion, moderate chlorite and potassic alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. A few chlorite and epidote veins of 3-15mm at 30-60°ca, contain sulphide stringers and blebs. Weak mag.
376.90	377.90	D-1174	1 .00	<1	75	20		5	4	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with strong epidote alteraion, moderate chlorite and potassic alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. A few chlorite and epidote veins of 3-15mm at 30-60°ca, containing sulphide stringers and blebs. Weak mag.
377.90	378.90	D-1175	1.00	0					4	1	diorite	mid grey	mg	fractured	chl, kspar, epi	Relatively fresh diorite with moderate chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. A few chlorite and epidote veins of 3-15mm at 30-60°ca.
378.90	380.14	D-1176	1.24	0					4	1	diorite	mid grey	mg	fractured	dyke	Relatively fresh diorite with moderate chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. A few chlorite and epidote veins of 3-15mm at 30-60°ca. Also contains a dark grey volcanic dyke of 15cm at 70°ca.
380.14	381.14	D-1177	1.00	<1	80	20			4	1	diorite	mid grey	mg	fractured	chl, kspar, epi	Relatively fresh diorite with moderate chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. A few chlorite and epidote veins of 3-15mm at 30-60°ca.
381.14	382.14	D-1178	1.00	1	80	20			4	1	diorite	mid grey	mg	fractured	chl, kspar, epi	Relatively fresh diorite with moderate chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. A few chlorite and epidote veins of 3-15mm at 30-60°ca.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
382.14	383.24	D-1179	1 .00	1	80	20			4	1	diorite	mid grey	mg	fractured	chl, kspar, epi	Relatively fresh diorite with moderate chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. A few chlorite and epidote veins of 3-15mm at 30-60°ca.
383.24	384.24	D-1180	1 .00	1	80	20			4	1	diorite	mid grey	mg	fractured	chl, kspar, epi	Relatively fresh diorite with moderate chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. A few chlorite and epidote veins of 3-15mm at 30-60°ca.
384.24	385.24	D-1181	1.00	1	80	20			4	1	diorite	mid grey	mg	fractured	chl, kspar, epi	Relatively fresh diorite with moderate chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. A few chlorite and epidote veins of 3-15mm at 30-60°ca.
385.24	386.24	D-1182	1 .00	1	80	20			4	1	diorite	mid grey	mg	fractured	chl, kspar, epi	Relatively fresh diorite with moderate chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. A few chlorite and epidote veins of 3-15mm at 30-60°ca.
386.24	387.24	D-1183	1.00.	1.5	80	20			2	1	diorite	mid grey	mg	fractured	chl, kspar, epi	Relatively fresh diorite with strong chlorite, epidote, and potassic alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. A few chlorite and epidote veins of 3-15mm at 30-60°ca.
387.24	388.24	D-1184	1.00	1.5	80	20			3	1	diorite	mid grey	mg	fractured	chl, kspar, epi clay	Relatively fresh diorite with strong chlorite, epidote, clay, and potassic alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. A few chlorite and epidote veins of 3-15mm at 30-60°ca.
388.24	389.34	D-1185	1 .00	1.5	80	20			3	1	diorite	mid grey	mg	fractured	chl, kspar, epi clay	Relatively fresh diorite with strong chlorite, epidote, clay, and potassic alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. A few chlorite and epidote veins of 3-15mm at 30-60°ca.
389.34	390.34	D-1186	1.1 0	2	80	20			10	1	diorite	mid grey	mg	fractured	chl, kspar, epi clay	Relatively fresh diorite with strong chlorite, epidote, clay, and potassic alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. A few chlorite and epidote veins of 3-15mm at 30-60°ca. Has a zone of 15cm at 40°ca which contains massive mag and sulphide blebs.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
390.34	391.34	D-1187	1.00	1	80	20			4	1	diorite	mid grey	mg	fractured	chl, kspar, epi clay	Relatively fresh diorite with strong chlorite, epidote, clay, and potassic alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. A few chlorite and epidote veins of 3-15mm at 30-60°ca.
391.34	392.44	D-1188	1.1 0	1	80	20			4	1	diorite	mid grey	mg	fractured	chl, kspar, epi clay	Relatively fresh diorite with strong chlorite, epidote, clay, and potassic alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. A few chlorite and epidote veins of 3-15mm at 30-60°ca.
392.44	393.34	D-1189	1.1 0	1	80	20			4	1	diorite	mid grey	mg	fractured	chl, kspar, epi clay	Relatively fresh diorite with strong chlorite, epidote, clay, and potassic alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. A few chlorite and epidote veins of 3-15mm at 30-60°ca.
393.34	394.64	D-1190	1.1 0	1	80	20			4	1	diorite	mid grey	mg	fractured	chl, kspar, epi clay	Relatively fresh diorite with strong chlorite, epidote, clay, and potassic alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. A few chlorite and epidote veins of 3-15mm at 30-60°ca.
394.64	395.64	D-1191	1.00	1	80	20			4	1	diorite	mid grey	mg	fractured	chl, kspar, epi clay	Relatively fresh diorite with strong chlorite, epidote, clay, and potassic alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. A few chlorite and epidote veins of 3-15mm at 30-60°ca.
395.64	396.64	D-1192	1.00	1	80	20			4	1	diorite	mid grey	mg	fractured	chl, kspar, epi clay	Relatively fresh diorite with strong chlorite, epidote, clay, and potassic alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. A few chlorite and epidote veins of 3-15mm at 30-60°ca.
396.64	397.64	D-1193	1 .00	1	80	20			4	1	diorite	mid grey	mg	fractured	chl, kspar, epi, clay	Relatively fresh diorite with strong chlorite, epidote, clay, and potassic alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. A few chlorite and epidote veins of 3-15mm at 30-60°ca.
397.64	398.37	D-1194	0.70	1	80	20			4	1	diorite	mid grey	mg	fractured	chl, kspar, epi, clay	Relatively fresh diorite with strong chlorite, epidote, clay, and potassic alterations. Quartz carbonate veinlets of 1-8mm at 5-85°ca. A few chlorite and epidote veins of 3-15mm at 30-60°ca. End of Hole.
398.37																EOH

Diamond Drill Log

Drill Hole No: EA-96-03

Logged By: Simon X. Fan

Date: September 23-27, 1996

Easting: 39+00E
Northing: 12+00N
Elevation: 1392m a.s.l.

Azimuth: 042°
Inclination: -45°
Total Depth: 300.84m
Core Size: NQ-2

Survey Type: Tropari

depth	***az.***	***dip***
Collar:	042°	-45°
99.67m	041°	-44°
200.25m	020°	-46°
300.84m	040°	-46°

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
DDH: EA-96-03																
0.00	32.00		32.00													Casing
32.00	43.67		11.67	0					5	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with moderate chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite and epidote veins of 2-15mm at 30-60°ca.
43.67	44.67	D-1195	1.00	<1	80	15		5	5	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with moderate chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite and epidote veins of 2-15mm at 30-60°ca. Sulphide blebs visible in chlorite veinlets and fracture planes with chloritic alteration.
44.67	49.06		4.37	0					5	1	diorite	mid grey	mg	fractured	chl,epi, kspar	Relatively fresh diorite with moderate chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite and epidote veins of 2-15mm at 30-60°ca.
49.06	50.06	D-1196	1.00	0					5	1	diorite	mid to lt grey	mg	fractured	chl,clay, epi, kspar	Relatively fresh diorite with moderate clay, chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite and epidote veins of 2-15mm at 30-60°ca.
50.06	51.06	D-1197	1.00	0					2	10	diorite & chlorite rock	mid to lt grey	m-cg	fractured & brecciated		Recemented breccia at about 20°ca. Relatively fresh diorite seen only in the first half of the section (1/3 diorite, 2/3 breccia). Quartz carbonate veinlets of 1-8mm of 10-80°ca present in both rock types.
51.06	53.23		2.17	0					4	5	diorite	lt to mid grey	mg	brecciated & fractured	clay,chl, kspar	The first half of the core is recemented breccia with clay alteration; the second half is relatively fresh diorite with chlorite and potassic alterations.
53.23	54.23	D-1198	1.00	<1	80	20			4	1	diorite	mid grey	mg	fractured	clay, chl, kspar	Recemented breccia at about 20°ca. Relatively fresh diorite seen only in the first half of the section (1/3 diorite, 2/3 breccia). Quartz carbonate veinlets of 1-8mm of 10-80°ca present in both rocks. Trace disseminated sulphides (<<1%).

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
54.23	55.23	D-1199	1.00	<1	80	20			4	1	diorite	mid grey	mg	fractured	kspar,clay, chl	Recemented breccia at about 20°ca. Relatively fresh diorite seen only in the first half of the section (1/3 diorite, 2/3 breccia). Quartz carbonate veinlets of 1-8mm of 10-80°ca present in both rocks. Trace disseminated sulphides (<<1%). Also with a few zones of strongly K-altered rock (or syenite dyke?) of 3-20 cm at 45-65°ca.
55.23	56.23	D-1200	1.00	<1	80	20			4	1	diorite	mid grey	mg	fractured	kspar, clay, chl	Recemented breccia at about 20°ca. Relatively fresh diorite seen only in the first half of the section (1/3 diorite, 2/3 breccia). Quartz carbonate veinlets of 1-8mm of 10-80°ca present in both rocks. Trace disseminated sulphides (<<1%). Also with a few zones of strongly K-altered rock (or syenite dyke?) of 3-20 cm at 45-65°ca.
56.23	60.04		3.81	<1	80	20			4	1	diorite	mid grey	mg	fractured	kspar, clay, chl	Recemented breccia at about 20°ca. Relatively fresh diorite seen only in the first half of the section (1/3 diorite, 2/3 breccia). Quartz carbonate veinlets of 1-8mm of 10-80°ca present in both rocks. Trace disseminated sulphides (<<1%). Also with a few zones of strongly K-altered rock (or syenite dyke?) of 3-20 cm at 45-65°ca.
60.04	61.04	D-1201	1.00	<1	80	20			4	1	diorite	mid grey	mg	fractured	kspar, clay, chl	Recemented breccia at about 20°ca. Relatively fresh diorite seen only in the first half of the section (1/3 diorite, 2/3 breccia). Quartz carbonate veinlets of 1-8mm of 10-80°ca present in both rocks. Trace disseminated sulphides (<<1%). Also with a few zones of strongly K-altered rock (or syenite dyke?) of 3-20 cm at 45-65°ca.
61.04	62.04	D-1202	1.00	<1	80	20			4	1	diorite	mid grey	mg	fractured	kspar,clay, chl	Recemented breccia at about 20°ca. Relatively fresh diorite seen only in the first half of the section (1/3 diorite, 2/3 breccia). Quartz carbonate veinlets of 1-8mm of 10-80°ca present in both rocks. Trace disseminated sulphides (<<1%). Also with a few zones of strongly K-altered rock (or syenite dyke?) of 3-20 cm at 45-65°ca.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
62.04	63.04	D-1203	1.00	<1	80	20			4	1	diorite	mid grey	mg	fractured	clay,chl	Recemented breccia at about 20°ca. Relatively fresh diorite seen only in the first half of the section (1/3 diorite, 2/3 breccia). Quartz carbonate veinlets of 1-8mm of 10-80°ca present in both rocks. Trace disseminated sulphides (<<1%).
63.04	94.27		31.23	trace	80	20			4	1	diorite	mid grey	mg	fractured	clay,chl	Recemented breccia at about 20°ca. Moderate clay alteration in some areas of the sample. Relatively fresh diorite seen only in the first half of the section (1/3 diorite, 2/3 breccia). Quartz carbonate veinlets of 1-8mm of 10-80°ca present in both rocks. Trace disseminated sulphides (<<1%).
94.27	95.27	D-1204	1.00	0					4	1	diorite	mid grey	mg	fractured	chl	Recemented breccia at about 20°ca. Relatively fresh broken diorite seen only in the first half of the section (1/3 diorite, 2/3 breccia). Quartz carbonate veinlets of 1-8mm of 10-80°ca present in both rocks. Trace disseminated sulphides (<<1%).
95.27	128.10		34.88	0					5	1	diorite	mid grey	mg	fractured	chl	Recemented breccia at about 20°ca. Relatively fresh broken diorite seen only in the first half of the section. 1/3 diorite, 2/3 breccia). Quartz carbonate veinlets of 1-8mm of 10-80°ca present in both rocks. Trace disseminated sulphides (<<1%).
128.10	129.10	D-1205	1.00	0					5	1	diorite	mid grey	mg	fractured	dyke	Recemented breccia at about 20°ca. Relatively fresh broken diorite seen only in the first half of the section (1/3 diorite, 2/3 breccia). Quartz carbonate veinlets of 1-8mm of 10-80°ca present in both rocks. Trace disseminated sulphides (<<1%). Also contains a fine-grained volcanic dyke of 5 cm at 45°ca.
129.10	130.10	D-1206	1.00	0					5	1	diorite	mid grey	mg	fractured	chl	Recemented breccia at about 20°ca. Relatively fresh broken diorite seen only in the first half of the section (1/3 diorite, 2/3 breccia). Quartz carbonate veinlets of 1-8mm of 10-80°ca present in both rocks. Trace disseminated sulphides (<<1%).

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
130.10	130.80		0.70	0					5	1	diorite	mid grey	mg	fractured	chl	Recemented breccia at about 20°ca. Relatively fresh broken diorite seen only in the first half of the section (1/3 diorite, 2/3 breccia). Quartz carbonate veinlets of 1-8mm of 10-80°ca present in both rocks. Trace disseminated sulphides (<<1%).
130.80	131.65	D-1207	0.85	trace	80	20			2	1	mafic dyke	dk grey	fg	fractured	chl, epi	Volcanic rock with chlorite and epidote alterations. Quartz carbonate veinlets of 1-4mm at 15-65°ca. Trace sulphides in an epidote vein of 2mm at 45°ca.
131.65	134.52		2.87	0					4	1	diorite	mid grey	mg	fractured	chl, epi	Relatively fresh diorite with moderate chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite and epidote veins of 2-15mm at 30-60°ca.
134.52	135.52	D-1208	1 .00	0					5	2	diorite	lt to mid grey	mg	brecciated & fractured	chl,clay, epi	Brecciated diorite with chlorite, clay, and epidote alterations. Quartz carboate veinlets of 1-15mm at 15-75°ca. Chlorite veins of 3-10mm at 30-60°ca.
135.52	138.29		3.77	0					7.5	1	diorite	mid grey	mg	fractured	chl,epi	Fresh diorite with moderate chlorite and epidote alterations.
138.29	139.29	D-1209	1.00	<1	75	20		5	7.5	1	diorite	mid grey	mg	fractured	dyke	Fresh diorite with moderate chlorite and epidote alterations. Also contains a 30mm syenite dyke (or a strong potassic-altered zone) with quartz carbonate veins of 8mm inside the dyke. A few sulphide blebs are present along the contact of the dyke or the carbonate quartz veins.
139.29	140.48		1.19	0					7.5	1	diorite	mid grey	mg	fractured	chl, epi	Relatively fresh diorite with moderate chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite and epidote veins of 2-15mm at 30-60°ca.
140.48	141.48	D-1210	1.00	<1	80	20			7.5	1	diorite	mid grey	mg	fractured	chl,epi	Relatively fresh diorite with moderate chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite and epidote veins of 2-15mm at 30-60°ca. Also has weak potassic alteration and trace sulphides visible on fracture planes with chlorite alteration.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
141.48	145.24		3.76	0					7.5	1	diorite	mid grey	mg	fractured	chl, epi	Relatively fresh diorite with moderate chlorite, epidote and weak potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite and epidote veins of 2-15mm at 30-60°ca.
145.24	146.24	D-1211	1.00	0					5	1	diorite	mid grey	mg	fractured	chl,clay, epi	Relatively fresh diorite with moderate clay, chlorite, epidote and weak potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite and epidote veins of 2-15mm at 30-60°ca.
146.24	155.36		9.12	0					5	1	diorite	mid grey	mg	fractured	chl, clay, epi	Relatively fresh diorite with moderate clay, chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite and epidote veins of 2-15mm at 30-60°ca. Also has potassic alteration near the end of the section (about 25cm).
155.36	156.36	D-1212	1.00	0					5	1	diorite	mid grey	mg	fractured	chl,clay epi	Relatively fresh diorite with moderate clay, chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite and epidote veins of 2-15mm at 30-60°ca. Also has potassic alteration near the end of the section (about 25cm).
156.36	163.83		7.47	0					8	1	diorite	mid grey	mg	fractured	chl, kspar,epi	Relatively fresh diorite with chlorite, potassic, epidote, and minor clay alterations. Quartz carbonate veinlets of 1-10mm at 5-75°ca. Chlorite and k-feldspar veins of 2-10mm at 35-65°ca.
163.83	164.83	D-1213	1.00	0					5	1	diorite	mid grey	mg	fractured	chl, kspar,epi	Relatively fresh diorite with chlorite, potassic, epidote, and minor clay alterations. Quartz carbonate veinlets of 1-10mm at 5-75°ca. Chlorite vein of 2-10mm at 35-65°ca. K-feldspar vein of 15cm at 85°ca.
164.83	168.20		3.37	0					6	1	diorite	mid grey	mg	fractured	chl,kspar, epi	Relatively fresh diorite with moderate chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite and epidote veins of 2-15mm at 30-60°ca. Contains a quartz carbonate vein of up to 10cm at 70°ca.
168.20	169.20	D-1214	1.00	0					6	1	diorite	mid grey	mg	brecciated & fractured	chl,kspar, epi	Relatively fresh diorite with moderate chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite and epidote veins of 2-15mm at 30-60°ca. Contains a quartz carbonate vein of up to 10cm at 70°ca.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
169.20	172.10		1.10	0					6	1	diorite	mid grey	mg	brecciated & fractured	chl,kspar, epi	Relatively fresh diorite with moderate chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite and epidote veins of 2-15mm at 30-60°ca. Contains a quartz carbonate vein of up to 10cm at 70°ca.
172.10	173.10	D-1215	1.00	<1	80	20			8	1	diorite	mid grey	mg	fractured	chl,kspar, epi	Relatively fresh diorite with moderate chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite and epidote veins of 2-15mm at 30-60°ca. Also has a trace of disseminated sulphides(<<1%).
173.10	179.92		6.82	0					8	1	diorite	mid grey	mg	fractured	chl,kspar, epi	Relatively fresh diorite with moderate chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite and epidote veins of 2-15mm at 30-60°ca.
179.92	180.92	D-1216	1.00	<1	80	20			8	1	diorite	mid to lt grey	mg	fractured	chl,clay, kspar,epi	Relatively fresh diorite with moderate clay, chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite and epidote veins of 2-15mm at 30-60°ca. Trace of disseminated sulphides.
180.92	186.05		5.13	0					8	1	diorite	mid to lt grey	mg	fractured	chl,clay, kspar,epi	Relatively fresh diorite with moderate chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite and epidote veins of 2-15mm at 30-60°ca.
186.05	187.05	D-1217	1.00	<1	80	20			8	1	diorite	mid to lt grey	mg	fractured	chl,clay, kspar,epi	Relatively fresh diorite with moderate chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite and epidote veins of 2-15mm at 30-60°ca. Trace disseminated sulphides present.
187.05	210.44		23.39	0					8	1	diorite	mid to lt grey	mg	fractured	chl,clay, kspar,epi	Relatively fresh diorite with moderate chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite and epidote veins of 2-15mm at 30-60°ca.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
210.44	211.44	D-1218	1 .00	0					8	2	diorite	mid to lt grey	mg	fractured	chl,clay, kspar,epi	Relatively fresh diorite with moderate chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite and epidote veins of 2-15mm at 30-60°ca. A large quartz carbonate vein of 40mm is at 60°ca.
211.44	212.44	D-1219	1.00	0					8	2	diorite	lt grey	mg	fractured	chl,clay, kspar,epi	Relatively fresh diorite with strong clay alteration and moderate chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite and epidote veins of 2-15mm at 30-60°ca. A large quartz carbonate vein of 40mm is at 60°ca.
212.44	213.44	D-1220	1.00	0					8	2	diorite	lt grey	mg	fractured	chl,clay, kspar,epi	Relatively fresh diorite with strong clay alteration and moderate chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite and epidote veins of 2-15mm at 30-60°ca. A large quartz carbonate vein of 40mm is at 60°ca.
213.44	240.40		26.96	0					8	1	diorite	mid grey	mg	fractured	dyke	Relatively fresh diorite with strong clay alteration and moderate chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite and epidote veins of 2-15mm at 30-60°ca. A large quartz carbonate vein of 40mm is at 60°ca. Contains a 25-cm dark grey volcanic dyke at 80°ca, and a few syenite dykes of up to 10cm at 45-75°ca.
240.40	241.40	D-1221	1.00	0					5	1	diorite	mid grey	mg	fractured	dyke	Relatively fresh diorite with strong clay alteration and moderate chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite and epidote veins of 2-15mm at 30-60°ca. A large quartz carbonate vein of 40mm is at 60°ca. Contains a 25-cm dark grey volcanic dyke at 80°ca.
241.40	243.25		1.85	0					8	1	diorite	mid grey	mg	fractured	clay,chl kspar	Relatively fresh diorite with strong clay alteration and moderate chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite and epidote veins of 2-15mm at 30-60°ca. A large quartz carbonate vein of 40mm is at 60°ca.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
243.25	244.25	D-1222	1.00	0					6	1	diorite	mid to lt grey	mg	fractured &	clay,chl, kspar	Relatively fresh diorite with very strong clay alteration and moderate chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite and epidote veins of 2-15mm at 30-60°ca. A large quartz carbonate vein of 40mm at 60°ca.A few dark pinkish clay veins (fault gouge?) of 2-5 cm are at 45-60°ca.
244.25	252.62		8.37	0					6	1	diorite	mid to lt grey	mg	fractured &	clay,chl, kspar	Relatively fresh diorite with very strong clay alteration and moderate chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite and epidote veins of 2-15mm at 30-60°ca. A large quartz carbonate vein of 40mm at 60°ca.
252.62	253.62	D-1223	1.00	trace	80	20			6	1	diorite	mid grey	mg	fractured	clay,chl, kspar	Relatively fresh diorite with moderate chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite and epidote veins of 2-15mm at 30-60°ca. Trace disseminated sulphides present in rock and a few sulphide blebs can be seen in a quartz-chlorite vein of about 4 cm at 45°ca. Sulphides are <<1%.
253.62	254.62	D-1224	1.00	0					6	1	diorite	mid grey	mg	fractured	clay,chl, kspar	Relatively fresh diorite with moderate chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite and epidote veins of 2-15mm at 30-60°ca.
254.62	261.04		6.38	0					6	1	diorite	mid grey	mg	fractured	dyke	Relatively fresh diorite with moderate chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite and epidote veins of 2-15mm at 30-60°ca. Also contains a few syenite dykes of up to 40 mm at 30-60°ca.
261.04	262.04	D-1225	1.00	1	80	15		5	2	1	diorite, syenite	mid grey, red-brown	mg	fractured	kspar,epi, chl,dyke	Diorite with potassic, chlorite, and epidote alterations, containing a dyke of about 30cm at 30°ca. Massive sulphides are visible in epidote altered portion of the dyke (2%).

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
262.04	263.04	D-1226	1.00	<1	80	15		5	5	1	diorite, syenite	mid grey, red-brown	mg	fractured	kspar,epi, chl,dyke	Diorite with potassic, chlorite, and epidote alterations, containing a syenite dyke of about 18 cm at 60°ca with sulphides(1%). Also containing a chlorite vein of 50mm at 60°ca without any visible sulphides.
263.04	264.04	D-1227	1.00	0					6	1	diorite	mid grey	mg	fractured	kspar,epi, chl	Relatively fresh diorite with moderate chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite and epidote veins of 2-15 mm at 30-60°ca.
264.04	271.74		7.70	0					6	1	diorite	mid grey	mg	fractured	kspar,epi chl	Relatively fresh diorite with moderate chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite and epidote veins of 2-15 mm at 30-60°ca.
271.74	272.74	D-1228	1.00	<1	85	15			6	1	diorite	mid grey to brown-grey	mg	fractured	kspar,epi, chl	Relatively fresh diorite with strong potassic and moderate chlorite and epidote alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite and epidote veins of 2-15mm at 30-60°ca. Sulphide blebs occur in the chlorite and epidote veins at 60°ca (<1%).
272.74	273.74	D-1229	1.00	0					6	1	diorite	mid grey to brown-grey	mg	fractured	kspar,epi, chl	Relatively fresh diorite with strong potassic alteration and moderate chlorite and epidote alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite and epidote veins of 2-15mm at 30-60°ca.
273.74	274.74	D-1230	1.00	0					6	1	diorite	mid grey to brown-grey	mg	fractured	kspar,epi, chl	Relatively fresh diorite with strong potassic alteration and moderate chlorite and epidote alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite and epidote veins of 2-15mm at 30-60°ca.
274.74	275.74	D-1231	1.00	<1	85	15			6	1	diorite	mid grey to brown-grey	mg	fractured	kspar,epi, chl	Relatively fresh diorite with strong potassic alteration and moderate chlorite and epidote alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite and epidote veins of 2-15mm at 30-60°ca. Trace disseminated sulphides (<<1%).

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
275.74	277.60		1.86	<1	85	15			6	1	diorite	mid grey	mg	fractured	kspar,epi, chl	Relatively fresh diorite with strong potassic alteration and moderate chlorite and epidote alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite and epidote veins of 2-15mm at 30-60°ca. Trace disseminated sulphides (<<1%).
277.60	278.60	D-1232	1.00	<1	85	15			6	1	diorite	mid grey	mg	fractured	kspar,epi, chl	Relatively fresh diorite with strong potassic alteration and moderate chlorite and epidote alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite and epidote veins of 2-15mm at 30-60°ca. Trace disseminated sulphides (<<1%).
278.60	279.60	D-1233	1.00	0					6	1	diorite	mid grey	mg	fractured	kspar,epi, chl	Relatively fresh diorite with strong potassic alteration and moderate chlorite and epidote alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite and epidote veins of 2-15 mm at 30-60°ca.
279.60	280.60	D-1234	1.00	<1	90	10			6	1	diorite	mid grey to brown-grey	mg	fractured	kspar,epi, chl	Relatively fresh diorite with strong potassic alteration and moderate chlorite and epidote alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite and epidote veins of 2-15mm at 30-60°ca. Disseminated sulphides and sulphide blebs(<1%).
280.60	281.60	D-1235	1.00	<1	90	10			6	1	diorite	mid grey to brown-grey	mg	fractured	kspar,epi, chl	Relatively fresh diorite with strong potassic alteration and moderate chlorite and epidote alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite and epidote veins of 2-15 mm at 30-60°ca. Disseminated sulphides and sulphide blebs(<1%).
281.60	288.57		6.97	0					6	1	diorite	mid grey	mg	fractured	kspar,epi, chl	Relatively fresh diorite with moderate potassic, chlorite and epidote alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite and epidote veins of 2-15mm at 30-60°ca.
288.57	289.57	D-1236	1.00	trace	90	10			6	1	diorite	mid grey	mg	fractured	kspar,epi, chl	Relatively fresh diorite with moderate potassic, chlorite and epidote alterations. Quartz carbonate veinlets of 1-10mm at 5-85°ca. Chlorite and epidote veins of 2-15mm at 30-60°ca. Trace disseminated sulphides(<<1%).

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
289.57	291.37		1.80	0					6	1	diorite	mid grey	mg	fractured	kspar,epi, chl	Relatively fresh diorite with moderate potassic, chlorite and epidote alterations. Quartz carbonate veinlets of 1-10 mm at 5-85°ca. Chlorite and epidote veins of 2-15 mm at 30-60°ca.
291.37	292.37	D-1237	1.00	<1	90	10			6	1	diorite	mid grey	mg	fractured	kspar,epi, chl	Relatively fresh diorite with moderate potassic, chlorite and epidote alterations. Quartz carbonate veinlets of 1-10 mm at 5-85°ca. Chlorite and epidote veins of 2-15 mm at 30-60°ca. Chlorite vein of 5 mm at 60°ca. Massive sulphides visible in this vein. Strong potassic alteration occurs on both sides of the vein.
292.37	293.37	D-1238	1.00	<1	90	10			6	1	diorite	mid grey	mg	fractured	kspar,epi, chl	Relatively fresh diorite with moderate chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10 mm at 5-85°ca. Chlorite and epidote veins of 2-15mm at 30-60°ca. Trace disseminated sulphides (<<1%).
293.37	294.88		1.51	trace	90	10			6	1	diorite	mid grey	mg	fractured	kspar,epi, chl	Relatively fresh diorite with moderate chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10 mm at 5-85°ca. Chlorite and epidote veins of 2-15mm at 30-60°ca. Trace disseminated sulphides (<<1%).
294.88	295.88	D-1239	1.00	0	90	10			6	1	diorite	mid grey	mg	fractured	kspar,epi, chl	Relatively fresh diorite with moderate chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10 mm at 5-85°ca. Chlorite and epidote veins of 2-15 mm at 30-60°ca. Trace disseminated sulphides (<<1%).
295.88	297.16		1.28	0					6	1	diorite	mid grey	mg	fractured	kspar,epi, chl	Relatively fresh diorite with moderate chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10 mm at 5-85°ca. Chlorite and epidote veins of 2-15 mm at 30-60°ca.
297.16	298.26	D-1240	1.1 0	0					6	1	diorite	mid grey	mg	fractured	kspar,epi, chl	Relatively fresh diorite with moderate chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10 mm at 5-85°ca. Chlorite and epidote veins of 2-15 mm at 30-60°ca.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
298.26	299.36	D-1241	1.10	<1	90	10			6	1	diorite	mid grey	mg	fractured	kspar,epi, chl	Relatively fresh diorite with moderate chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10 mm at 5-85°ca. Chlorite and epidote veins of 2-15 mm at 30-60°ca. Trace disseminated sulphides.
299.36	300.84	D-1242	1.48	<1	90	10			6	1	diorite	mid grey	mg	fractured	kspar,epi, chl	Relatively fresh diorite with moderate chlorite, epidote and potassic alterations. Quartz carbonate veinlets of 1-10 mm at 5-85°ca. Chlorite and epidote veins of 2-15 mm at 30-60°ca. Trace disseminated sulphides. End of Hole.
300.84																EOH

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments

Diamond Drill Log

Drill Hole No: EA-96-04

Logged By: Daniel A. Beauchamp

Date: October 1-3, 1996

Easting:	39+00E	**Azimuth:**	042°
Northing:	12+00N	**Inclination:**	-65°
Elevation:	1392m a.s.l.	**Total Depth:**	349.61m
		Core Size:	NQ-2

Survey Type: Tropari

depth	*az.*	*dip*
Collar:	042°	-65°
108.81m	044°	-65°
200.25m	038°	-66°
337.41m	025°	-66°

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
DDH: EA-96-04																
0.00	30.48		30.48													Casing
30.48	39.10		8.62	0					3	0	diorite	grey green	mg	fractured		Diorite, Mg, occassional chlorite lined fracture planes. Biotite 1-2%, containing several quartz feldspar veins 1-15cm wide at 45°ca. Relatively fresh rock.
39.10	39.20		0.10	0					0	15	fault gouge	white, grey	mg	faulted		Fault gouge, quartz chlorite-carbonate.
39.20	44.70		5.50	0					3	0	diorite	grey green	mg	fractured		Diorite, Mg, occassional chlorite lined fracture planes. Biotite 1-2%, containing several quartz feldspar veins 1-15cm wide at 45°ca. Relatively fresh rock.
44.70	44.92		0.22	0					0	10	fault gouge	white, grey	mg	faulted		Fault gouge:quartz-chlorite carbonate.
44.92	49.20		4.28	0					3	10	diorite	white, grey	mg	fractured		Diorite, Mg, occassional chlorite lined fracture planes. Biotite 1-2%, containing several quartz feldspar veins 1-15cm wide at 45°ca. Relatively fresh rock. 10 cm chlorite shear zones at 48.20 and 48.60.
49.20	50.20	D-1243	1.00	<1	100				5	10	diorite	grey, green	mg			Diorite, Mg, occassional chlorite lined fracture planes. Biotite 1-2%, containing several quartz feldspar veins 1-15cm wide at 45°ca. Relatively fresh rock. 10 cm chlorite shear zones at 48.20 and 48.60. Diorite mg-cg. Chlorite lined fractures, two of which are injected with quartz-carbonate veins 10mm wide at 0-30°ca. Sufides are in or near quartz-carbonate veins in blebs.
50.20	52.40	D-1244	2.20	<1	90				2	5	diorite	grey, green	mg			Diorite, Mg, occassional chlorite lined fracture planes. Biotite 1-2%, containing several quartz feldspar veins 1-15cm wide at 45°ca. Relatively fresh rock. Contains quartz carbonate vein 10mm wide at 40°ca. Sulphides are disseminated in the diorite as small flecks.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
52.40	55.40		3.00	0					3	5	diorite	grey, green	mg			Diorite, Mg, occassional chlorite lined fracture planes. Biotite 1-2%, containing several quartz feldspar veins 1-15cm wide at 45°ca. Relatively fresh rock. Contains 1-2mm wide quartz carbonate veins from 53.00-55.20.
55.40	56.40	D-1245	1.00	<1	90	10			3	5	diorite	grey green	mg			Diorite, Mg, occassional chlorite lined fracture planes. Biotite 1-2%, containing several quartz feldspar veins 1-15cm wide at 45°ca. Relatively fresh rock. Contains a few quartz carbonate veins 5mm wide which have py and cp as small blebs 1-2mm long.
56.40	57.40	D-1246	1.00	<1	80	20			1	5	diorite	grey, green, pink	mg	moderate shearing		Diorite, Mg, occassional chlorite lined fracture planes. Biotite 1-2%, containing several quartz feldspar veins 1-15cm wide at 45°ca. Relatively fresh rock, moderately sheared and contains py and cp in quartz-carbonate veins which are in chlorite shear zones 3-6mm wide.
57.40	63.60		6.20	0					2	10	diorite	grey, green, pink	mg		kspar,epi	Diorite containing quartz-carbonate veinlets 1-3mm wide at various angles to core. Diorite has minor potassic alteration and has been injected with quartz feldspar in veins up to 10 cm wide. Minor epidote alteration in bands 2-10cm wide.
63.60	64.60	D-1247	1.00	<1	100				3	5	diorite	grey, grren (pink)	mg		kspar	Diorite:relatively fresh containing pink quartz-feldspar veins and quartz carbonate veins 3-10mm wide. Sulphides are as blebs in quartz-carbonate veins.
64.60	76.80		12.20	0					3	3	diorite	grey, green	mg			Diorite: fresh, slightly fractured, relatively homogeneous except for a few quartz rich sections up to 15cm wide. Only alteration is biotite and saussuritization of feldspar. Minor chlorite along fracture planes. Carbonate veins 2-25mm from 72.1-73.3 at 70°ca.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
76.80	82.60		5.80	0					3	8	diorite	grey, green, orange	mg			Diorite, fresh, slightly fractured, relatively homogeneous except for a few quartz rich sections up to 15cm wide. Only alteration is biotite and saussuritization of feldspar. Minor chlorite along fracture planes. Contains orange red quartz feldspar veins 1-15cm wide at 40°ca.
82.60	87.10		4.50	0					2	5	diorite	grey, green, orange	mg	fractured	kspar	Diorite with slight potassic alteration throughout. Chlorite along fractures.
87.10	88.10	D-1248	1.00	<1	50	50			3	10	diorite	grey, green	mg		kspar	Potassic altered diorite with quartz-fedlspar veining. Sulphides occur as 1-2mm blebs along chlorite shear zones about 10mm wide at 45°ca.
88.10	90.75		2.65	0					3	5	diorite	grey, green	mg	fractured	kspar	Diorite, minor potassic alteration in bands 2-6cm at 45°ca. Chlorite along fracture planes. Rock is relatively more fractured.
90.75	91.10		0.35	0					1	15	diorite	white, green	mg	breccia		Brecciated diorite
91.10	91.90		0.80	0					3	3	diorite	grey, green	mg			Diorite
91.90	93.00	D-1249	1.10	<1			10		0		qtz-fsp vein	light orange to red	fg		clay	Quartz-feldspar vein; fine-grained, minor ?clay? alteration. Minor galena?
93.00	99.30		6.30	0					3	2	diorite	grey, green	mg	sheared		Diorite slightly sheared over most of the section.
99.30	99.50		0.20	0					0	60	qtz-fsp vein	light pink	fg			Quartz feldspar vein, f.g. minor ?clay? alteration. Minor galena?
99.50	124.50		25.00	0					3	2	diorite	grey, green	mg		kspar	Diorite: m.g., blocky chlorite-lined fracture zones 30-70°ca. Occassional quartz veinlets 1-3mm wide. Minor 1-2 carbonate veins 5-20 mm wide.
124.50	128.20		3.70	0					2	5	diorite	cream and green	mg			Diorite: m.g., very blocky, all/most fracture planes coated with much chlorite. Minor potassic alteration in rock and along some fracture zones.
128.20	132.00		3.80	0					2	5	diorite	grey, green	mg			Fresh diorite, m.g., minor chlorite along fracture planes.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
132.00	132.80		0.80	0					3	5	diorite	grey, green	mg		kspar,epi	Diorite with minor potassic alteration; epidote alteration along veinlets. Quartz feldsapr veinlets 2-5 mm wide 30-60°ca.
132.80	136.80		4.00	0					5	2	diorite	green, grey	mg	blocky		Diorite: m.g. slightly more mafic than usual, chlorite along fracture planes. Fairly fresh.
136.80	137.40		0.60	0					3	2	diorite	grey, green	mg	fault gouge		Diorite : sheared and fault gouge, crumbly.
137.40	145.00		7.60	0					5	2	diorite	green, grey	mg			Diorite m.g. slightly more mafic than usual, chlorite along fracture planes. Moderately fresh, containing 1-5 mm wide white quartz carbonate veinlets.
145.00	145.80		0.80	0					5	2	diorite	green	mg			Diorite with quartz feldspar veins 1-3mm wide.
145.80	146.80	D-1250	1.00	<1	100				4	5	diorite	green, orange	mg		kspar,epi	Diorite: potassic and epidote alterations containing minor quartz carbonate veinlets 1-5mm wide 30-60°ca. Py in diorite, v.f.g.
146.80	147.80	D-1251	1.00	<1	100				4	5	diorite	green, orange	mg			Diorite: potassic and epidote alterations containing minor quartz carbonate veinlets 1-5mm wide 30-60°ca. Py in diorite, v.f.g.
147.80	153.79		5.99	0					5	2	diorite	green, grey	mg		kspar	Relatively fresh diorite with only 3 quartz felspar veinlets 2mm wide and minor potassic alterations.
153.79	156.20		2.41	0					3	10	diorite	grey, green, orange	mg		kspar,epi	Diorite: potassic alteration overprinted by epidote alteration throughout most of the section. Quartz and quartz carbonate have been injected in bands 1-8cm wide.
156.20	161.00		4.80	0					3	2	diorite	grey, green	mg		kspar	Diorite relatively fresh with little potassic alteration. Chlorite occurs along fracture planes.
161.00	162.00	D-1252	1.00	<1	100				3	2	diorite	grey, green, orange	mg		kspar	Diorite: potassic alteration is moderate, especially near one shear zone and one quartz-feldspar?? vein (green and orange, v.f.g), minor py in diorite.
162.00	167.20		5.20	0					3	2	diorite	grey, green, orange	mg		kspar	Diorite: moderate potassic alteration. Diorite is partially sheared throughout. Chlorite lined fracture planes.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
167.20	169.10		1.90	0					0	10	diorite	grey, green, orange	fg	sheared		Sheared diorite containing one 20cm wide f.g. orange quartz feldspar vein.
169.10	169.67		0.57	0					1	3	diorite	grey, green	mg		kspar	Diorite: moderate potassic alteration.
169.67	183.65		13098	0					3	3	diorite	green	mg		kspar	Diorite: Fresh, with chlorite-lined fractures. Contains 2 quartz-calcite veinlets 3-5m wide at 30-45°ca. Contains 10 orange-red quartz feldspar veins 1-15cm wide. Very little potassic alteration within 10mm of quartz feldspar veins. Chloritized fracture planes.
183.65	187.95		4030	0					0-2	10	diorite	green	mg		clay	Diorite: clay altered throughout. Some sections up to 15cm are sheared to v.f.g. Contains 2 quartz carbonate veins 13cm wide at 50°ca. Chloritized fracture planes.
187.95	203.65		15.70	0					3	5	diorite	grey, green	mg	shearing	clay	Diorite: Fresh looking m.g., grey-green containing 8 very fine grained quartz-fedlspar (orange) veins 5-100 mm wide at 20-40°ca. Heavily clay altered and sheared zones at 192.00-192.01(10mm wide) and 199.30-199.35. Minor quartz carbonate veining up to 5 mm wide.
203.65	204.75		1.10	0					3	2	diorite	dk green	mg	fault gouge		Fault gouge-diorite. Heavily sheared in places. Chlorite throughout.
204.75	205.45	D-1252	0.70	trace	100				0	65	qtz-fsp vein	orange, red	vfg			Quartz-feldspar vein; very fine grained, possible sulphides.
205.45	205.75		0.30	0					3	2	diorite	dk green	mg	fault gouge		Fault gouge in diorite.
205.75	209.70		3.95	0					3	1	diorite	grey, green	mg			Fresh diorite containing a few quartz carbonate veinlets 2-20mm wide. Somewhat blocky at times.
209.70	211.20		1.50	0					3	1	diorite	grey, green	mg	fault gouge		Fault gouge - broken quartz diorite.
211.20	214.00		2.80	0					3	1	diorite	grey, green	mg			Diorite contains very few carbonate veinlets 1-2 mm wide at various angles to core axis. Diorite is fresh.
214.00	215.00		1.00	0					0	15	qtz-fsp vein	orange-red, grn, white	fg			Quartz feldspar vein, chlorite shear zone and quartz chlorite vein at 10°ca.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
215.00	221.75		6.75	0					2	10	diorite	grey, green, orange	m.g	sheared	kspar	Diorite: sheared throughout and by several events. Contains quartz carbonate veinlets 2-20 mm wide throughout. Shear zones are 20-30 mm wide at 30-45°ca. Potassic alteration is in zones 1-10 cm thick along the core.
221.75	226.75		5.00	0					2	10	diorite	grey, green				Diorite: relatively fresh with frequent quartz carbonate veinlets 1-5 mm wide at 30-45°ca. Shear zone 20 mm wide at 225.40.
226.75	227.65	D-1253	0.90	<1	100				3	5	diorite	grey, green, orange	fg-mg	sheared	kspar	Diorite with moderate potassic alteration. Sheared section has no potassic alteration but a few pyrite blebs ~1mm. Rock contains a few quartz-carbonate veinlets 1-3 mm in diametre at 45-60°ca.
227.65	231.20		3.55	0					5	3	diorite	grey, green	mg			Fresh diorite with a few healed chlorite-lined fractures and minor quartz-carbonate veinlets, 1-5 mm wide.
231.20	233.60		2.40	0					1	3	diorite	lt green	fg-mg		clay	Clay altered diorite; shearing, quartz veining and chlorite rock over a section of 30cm.
233.60	239.50		5.90	0					3	2	diorite	grey, green	mg			Relatively fresh diorite with frequent quartz carbonate veinlets 1-5 mm. Minor shearing over 10 mm widths in 2-3 locations.
239.50	240.80	D-1254	1.30	<1	100				1.5	5	diorite	grey, green, orange	mg		kspar	Diorite with potassic alteration throughout in large patches 15-20 cm long. Possible sulphides. There are quartz-carbonate veinlets throughout.
240.80	241.90		1.10	0					1	5	diorite	beige	mg		clay	Clay altered diorite containing several quartz veinlets 1-3 mm wide.
241.90	252.45		10.55	0					5	1	diorite	grey, green	mg			Fresh diorite with a few slightly bleached sections up to 60 cm wide containing 1-3 mm wide quartz veinlets every 10-20 cm from 241.90-247.70. Chlorite occurs along fracture planes.
252.45	254.10		1.65	0					0	5	diorite	lt grey	mg		clay	Diorite with clay-serecite alteration. Every 20 cm shear zones at 30-45°ca are bleached for 1-2 cm in wallrock and contain fault gouge over 10 mm.
254.10	259.10		5.00	0					4	2	diorite	grey, green	mg			Fresh looking diorite containing a few quartz-carbonate veinlets 1-10mm wide at 0-60°ca. Chlorite occurs along fracture planes.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
259.10	260.50		1.40	0					4	2	diorite	grey, green	mg			Highly fractured diorite with a lot of chlorite along fracture planes.
260.50	263.48		2.98	0					4	2	diorite	grey, green	mg			Highly fractured diorite with a lot of chlorite along fracture planes.
263.48	264.60		1.12	0					2	2	diorite	grey, green	mg		kspar	Diorite with potassic alteration (light).
264.60	271.35		6.75	0					4	0	diorite	grey, green	mg			Fresh diorite containing chlorite along the fracture planes. Very few quartz-carbonate veinlets 1mm wide.
271.35	272.05	D-1255	0.70	<1	100				0	60	qtz-fsp vein	grey, green, orange	fg-mg			Quartz-feldspar vein. May exhibit "graphic granite" texture. Possible sulphides along shear/fracture planes.
272.05	273.21		1.16	0					4	1	diorite	grey, green	mg			Fresh diorite containing chlorite along fracture planes.
273.21	273.31		0.10	0					0	60	diorite	grey	mg			Quartz-feldspar vein, may exhibit 'graphi granite' texture. No sulphides.
273.31	273.41	D-1256	0.10	<1	100				0	3	diorite	grey	mg			Diorite: brecciated and healed throughout; very little k-spar and clay alteration in zone 10 cm wide.
273.41	275.45	D-1257	2.04	0							diorite	grey, green	mg		clay,kspar	Diorite: brecciated and healed throughout; very little k-spar and clay alteration in zone 10 cm wide.
275.45	279.80		4.35	0							diorite	grey, green	mg		kspar	Fresh diorite with minor potassic alteration along fracture planes and up to 10mm into the country rock. Chlorite along fracture planes. (Potassic alteration 1-2% of rock)
279.80	280.80	D-1258	1.00	1	100						diorite	grey, green	mg		kspar	Diorite similar to 275.45-279.80 but with more extensive potassic alteration along fracture planes and 2-3cm into country rock(40% potassic alteration). Carbonate veinlets occur along fracture planes.
280.80	282.50	4	1.70	0					3	1	diorite	grey, green	mg		kspar	Diorite with very slight potassic alteration all along fracture planes. The rock contains 1/4 carbonate vein 20mm wide. Rest of diorite is fresh.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
282.50	283.50	D-1259	1.00	<1	100				3	1	diorite	grey, green	mg			Diorite with very, very slight potassic alteration all along fracture planes. The rock contains 1/4 carbonate vein 20mm wide. Rest of diorite is fresh. Very little visible pyrite.
283.50	285.60		2.10	0					3	1	diorite	grey, green	mg			Fresh diorite with no veins, no veinlets. Very homogeneous. A little chlorite along fracture planes.
285.60	286.60	D-1260	1.00	<1	100				3	1	diorite	grey, green	mg		kspar	Fresh diorite in minor potassic alterations extending 20mm into country rock from fracture planes. Possible sulphides in potassic altered sections.
286.60	287.60	D-1261	1.00	<1	100				2	5	diorite	grey, green	mg		kspar	Fresh diorite in potassic alterations (15-20% of rock), extending 20mm into country rock from fracture planes. Possible sulphides in potassic altered sections.
287.60	288.60	D-1262	1.10	<1	100				3	1	diorite	grey, green	mg		kspar	Fresh, very broken diorite with very little potassic alterations extending 20mm into country rock from fracture planes. Possible sulphides in potassic altered sections.
288.60	289.00		0.40	0					3	5	diorite	grey, green	mg		kspar	Diorite with minor potassic alteration along a quartz carbonate veinlet 3mm wide.
289.00	293.90		4.90	0					3	2	diorite	grey, green	mg		kspar	Diorite, mostly fresh containg 3-4 1-2mm wide fractures with potassic alteration and one zone 10cm wide with potassic alteration. Also contains quartz carbonate veinlets 1-3mm wide. Chlorite lines the fracture planes.
293.90	294.84	D-1263	0.94	<1					0	60	qtz-fsp vein	orange, red		graphic granite		Quartz feldspar vein, that has "graphic granite" texture. Minor sulphides? along fracture planes lined with chlorite.
294.84	299.20		4.36	0					3	0	diorite	dk green	mg		kspar	Diorite containing a little potassic alteration. Entire section is friable and fractured.
299.20	302.60		3.40	0					2	5	diorite	lt green	mg			Diorite containing weak potassic alteration throughout unit.
302.60	303.00		0.40	0					2	0	diorite	dk green	mg			Heavily fractured and friable diorite.
303.00	306.70		3.70	0					3	1	diorite	dk green	mg			Mostly fresh diorite with only 3 zones of quartz-feldspar veining 2-4mm wide.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
306.70	308.70		2.00	0					2	3	diorite	green, grey, orange	mg		clay,kspar	Diorite with superimposed clay alteration(1st) and potassic alteration(2nd). Contact with fresh diorite above is gradual over 50mm. Section contains quartz-carbonate veinlets 0 .1-3mm wide at various angles to ca.
308.70	309.70	D-1264	1.00	1		100			0	10	diorite	dk grey, orange	fg-mg		kspar	Diorite with potassic alteration and a chlorite shear zone with quartz injection. cp occurs as blobs and blebs up to 10mm long in dark grey quartz-rich section over 10 cm along core.
309.70	310.70	D-1265	1.00	<1					2	2	diorite	dk grey	fg-mg			Diorite: Dark grey sheared section, grading into fresh diorite with patchy potassic alteration.
310.70	319.15		8.45	0					3	1	diorite	dk grey, green	mg		kspar	Fresh diorite with chlorite-lined fractures. Somewhat blocky at times. Contains a few quartz carbonate veinlets 1-2mm wide along which occassional potassic alteration extending for up to 3mm into country rock.
319.15	319.40		0.25	0							diorite	lt grey, dk green	mg		clay	Diorite with slight clay alteration(bleaching). Gradual contacts over 1-2cm top and bottom.
319.40	321.67		2.27	0					4	0	diorite	dk grey, green	mg			Fresh diorite throughout. Fractures are lined with chlorite.
321.67	322.13		0.46	0		6			0	15	diorite	lt green, cream	fg-mg		clay	Diorite cut by quartz vein 20mm wide. Clay alteration extends to 15-20cm on either side of the quartz vein, gradually decreasing in intensity.
322.13	327.30		5.17	0					4	0	diorite	dk grey, green			kspar	Fresh diorite with some chlorite-lined fractures. Only one potassic altered section 30mm wide with gradual contacts. Fairly homogeneous.
327.30	343.73		16.43	0					3	0	diorite	dk grey, green				Fresh diorite, slightly more felsic minerals (qtz&fsp) than before. Very little potassic alteration along 10cm section at 349.75. One dark red quartz-k feldspar vein, 30mm wide has partly potassic altered the country rock over 20mm on either side at 338.26m.
343.73	344.75	D-1266	1.02	<1					0	10	diorite	dk red, grey			kspar	Diorite has extensive potassic alteration throughout. Rock contains thin quartz-carbonate veinlets 1-3mm. Possible sulphides.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
344.75	346.00	D-1267	1.25	<1					2	3	diorite	grey, green	mg		kspar	Diorite: mild pervasive potassic alteration. Very strong chlorite shear zone over 10cm width at beginning of section at 30°ca.
346.00	346.56	D-1268	0.56	1					0	15	diorite	dk red, white	fg		kspar,clay	Heavily potassic-altered diorite throughout section and is overprinted by bleaching (clay alteration) along fracture zones.
346.56	347.59	D-1269	1 .03	<1					2	3	diorite	dk grey, green	mg		kspar	Diorite with mild potassic alteration throughout. Fairly homogeneous. Possible sulphides.
347.59	349.61		2.0.2								diorite	grey, green			kspar	Fresh diorite with only very mild potassic alteration over 20 cm at 347.00 and on either side of a fracture zone at 348.40. Chlorite-lined fractures at 30°ca.
349.61																EOH

Diamond Drill Log

Drill Hole No: EA-96-05

Logged By: Daniel A. Beauchamp

Date: October 3-6, 1996

Easting: 39+25E
Northing: 11+00N
Elevation: 1414m a.s.l.

Azimuth: 042°
Inclination: -45°
Total Depth: 197.21m
Core Size: NQ-2

Survey Type: Tropari

depth	***az.***	***dip***
Collar:	042°	-45°
102.72m	045°	-44°
197.21m	043°	-43°

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
DDH: EA-96-05																
0.00	21.33		21.33													Casing
21.33	25.00		3.67	0					5	0	diorite	dk grey, green	mg			Fresh diorite slightly fractured. Chlorite-lined fracture planes.
25.00	26.00	D-1270	1.00	<1	30	70			4	3	diorite	white, green	mg	shearing	kspar	Diorite, slightly more felsic and contains 3 zones of potassic alterations 10mm wide at 25.20. Cp and py occur along chlorite shear zones. One of which also contains quartz veining 8mm wide. The sulphides are as blebs and blobs up to 10 mm long and 5mm wide.
26.00	30.48		4.48	0					4	3	diorite	white, green	mg		kspar	Diorite, slightly more felsic and contains 3 zones of potassic alterations 10mm wide at 25.20. Cp and py occur along chlorite shear zones. One of which also contains quartz veining 8 mm wide.
30.48	31.48	D-1271	1.00	<1	0	100			2	3	diorite	green	mg	shear zone		Sheared and recemented diorite at 60°ca containing chlorite shear zone at 30.48 which was quartz veining and cp blebs 10mmx3mm.
31.48	35.71		4.23	0					4	1	diorite	dk grey, green	mg		kspar	Diorite with minor potassic alteration at 31.75 and 35.00 along quartz veinlets 3 mm wide remains in relatively fresh diorite.
35.71	38.75		3.04	0					0	30	diorite	grey	mg	fault gouge		Fault gouge at 45°ca.
38.75	45.85		7.10	0					4		diorite, gabbro	dk green	mg			Fresh diorite-gabbro. More mafic than previously described diorite. Contains fault gouge at 43.05 and quartz veins 5mm wide at 10-45°ca at 43.55-44.25m.
45.85	51.00		5.15	0					0	20	diorite	lt grey, green	f g - mg	hvy frctr & shr	clay	Diorite with moderate to complete replacement of all minerals by clay-serecite minerals. Rock is heavily sheared and fractured throughout. Quartz veining is present throughout the section as anastomozing veins in the fractured section and as veins at 20-70°ca.
51.00	51.10		0.10	0					0	30	diorite	lt grey	fg	shear zone		Shear zone in diorite at 45°ca. Quartz veining throughout.
51.10	53.65		2.55	0					4	3	diorite	grey, green	mg			Fresh diorite. Chlorite-lined fracture zones throughout. Quartz veining up to 20 mm wide at 52.60-52.68m

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
53.65	54.00		0.35	0					0	5	diorite	lt grey, green	mg		clay	Diorite with clay-serecite alteration. Gradual contacts above and below.
54.00	62.57		8.57	0					4	5	diorite	grey, green	mg		kspar	Diorite with sparse potassic alteration. Mostly along fracture planes and about 10 mm into country rock. Chlorite-lined fracture planes. Minor quartz carbonate veinlets.
62.57	63.70	D-1272A	1.13	<1	100				4	5	diorite	grey, green	mg		kspar	Diorite with sparse potassic alteration. Mostly along fracture planes and about 10 mm into country rock. Chlorite-lined fracture planes. Minor quartz carbonate veinlets. Contains five zones of chlorite shearing each 1-2cm wide. Possible sulphides.
63.70	64.70	D-1272B	1.00	<1	100				4	5	diorite	grey, green	mg		kspar	Diorite with sparse potassic alteration. Mostly along fracture planes and about 10mm into country rock. Chlorite-lined fracture planes. Minor quartz carbonate veinlets. Zones of shearing (chlorite) are 3 and 10 cm wide. Possible sulphides.
64.70	66.65		1.95	0					4	5	diorite	grey, green	mg		kspar	Diorite with sparse potassic alteration. Mostly along fracture planes and about 10mm into country rock. Chlorite-lined fracture planes. Minor quartz carbonate veinlets. Zones of shearing (chlorite) are 3 and 10 cm wide. Possible sulphides.
66.65	67.65	D-1273	1.00	<1					4	5	diorite	grey, green	mg		kspar	Diorite with minor potassic alteration throughout. One zone of intense shearing at 30°ca has injected quartz (5-10%) and thin streaks of hematite.
67.65	74.52		6.87	0					3	3	diorite	grey, green	mg			Diorite with rare, weak potassic alteration. Fracture planes are lined with chlorite. Somewhat blocky and broken 69.00-69.19m.
74.52	75.05		0.53	0					2	0	diorite	lt grey, green	mg		clay	Diorite with moderate clay alteration. Upper contact is gradual, lower contact is sharp along a chlorite-lined fracture.
75.05	78.45		3.40	0					3	5	diorite	grey, green	mg			Relatively fresh diorite throughout. Quartz carbonate veinlets are present 0.1-12 mm wide.
78.45	79.20	D-1274A	0.75	0					1.5	15	diorite	white, grey			clay	Diorite: Highly altered to clay, especially 78.75-79.20. Gradual contact to top, sharp contact below. Possible sulphides?

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
79.20	80.96		1.76	0					3	3	diorite	grey, green			clay	Diorite with moderate clay alteration in zones 2-10cm. Otherwise relatively fresh. Two quartz veins 5 and 10mm wide. Chlorite is present along fracture planes.
80.96	88.10		7.14	0					4	2	diorite	dk grey, green				Relatively fresh diorite throughout. Somewhat more mafic than 79.20-80.76. Only 1 clay altered zone (mild) at 87.05 for 30 mm.
88.10	88.60		0.50	0					0.5	25	diorite	white to grey	mg		clay	Diorite with extensive clay alteration. Gradual contact top, sharp at bottom. All minerals converted to clay-serecite at 88.29-88.60.
88.60	103.72		15.12	0					3	2	diorite	grey, green	mg			Relatively fresh diorite and unaltered. Contains occasional quartz veinlets 1-3mm wide and rare potassic-filled veinlets <1mm wide.
103.72	104.05	D-1274B	0.33	0					0	25	diorite	orange, red	f g - mg		kspar	Diorite that has been extensively potassic altered. Much quartz has been injected into the section. Gradual contact at top of unit but sharp contact below. Possible sulphides.
104.05	106.76		2.71	0					2	5	diorite	lt grey, green	mg		kspar	Diorite with weak potassic alteration over most of the section. Very little epidote alteration at 105.00, near a quartz-carbonate vein 8 mm wide.
106.76	107.90	D-1275	1.14	<1					2	0	diorite	dk green	f g - mg		epi	Relatively fresh diorite but containing 4 chlorite shear zones 2-20 cm wide, one of which has quartz veining 2-4mm wide and epidote alteration. Possiblle sulphides.
107.90	110.47		2.57	0					3	0	diorite	grey, green	mg		kspar	Fresh diorite, slightly fractured with only weak potassic alterations over 10 mm along fracture zones and shear zones.
110.47	111.47	D-1276	1.00	<1					3	5	diorite	grey, orange	f g - mg	shear zone	kspar	Fresh diorite, with recemented shear zone over 40cm wide at 30°ca. Shear zone shows local mild potassic alteration. Possible sulphides.
111.47	116.91		5.44	0					3.5	1	diorite	dk grey, green	mg	fractured		Fresh diorite with several moderately fractured zone, most fracture planes coated with chlorite and occasionally by carbonate. Most fractures are at 10,30,and 60°ca.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
116.91	117.70	D-1277	0.79	<1	100				2	5	diorite	orange, grey-green	mg	sheared	kspar	Diorite, mostly potassic altered. Chlorite shear zones 5 and 10 cm thick containing pyrite chunks up to 2-3 mm in diametre. One quartz carbonate vein 10 mm wide.
117.70	118.80	D-1278	1.10	<1	100				1	5	diorite	dk grey, green	f g - mg	sheared,friable		Extensively sheared and friable diorite containg a few quartz carbonate veinlets of up to 5 mm wide.
118.80	119.90	D-1279	1.10	<1	70	30			2	5	diorite	grey, green	mg	shear zones	kspar	Relatively fresh diorite containing one quartz vein 8 mm at 30°ca. One quartz veinlet 2 mm with potassic alteration 3 mm into the country rock on either side and one chlorite shear zone 3 mm wide at 45°ca with about 10% sulphides in blobs up to 10 mm long.
119.90	125.00		5.10	0					3	2	diorite	grey, green	mg			Fresh looking diorite with chlorite-lined fracture zones. Blocky section 120.60-125.00.
125.00	126.55		1.55						2	3	diorite	grey, green	mg		kspar	Diorite with only minor weak potassic alteration. Contains one dark brown quartz vein 40 mm wide at 125.40.
126.55	127.55	D-1280	1.00						2		diorite	grey, green	mg	shear zones		Diorite with only minor weak potassic alteration. *Contains one dark brown quartz vein 40 mm wide at* 125.40. Also contains two healed shear zones at 125.05 and 126.50. Possible sulphides. Chlorite along fracture planes.
127.55	129.00		1.45								diorite	grey, green	mg			Fresh looking diorite with chlorite-lined fracture zones. Blocky section 120.60-125.00.
129.00	130.10	D-1281	1.10	<1	100				3	5	diorite	grey, green	mg			Relatively fresh and blocky diorite, with chlorite lined shear zones. Also contains two dark grey-orange quartz-feldspar veins, 20cm at 128.00 and 10cm at 130.00.
130.10	131.65		1.55	0					3	0	diorite	grey, green	mg			Relatively fresh and blocky diorite, with chlorite-lined shear zones.
131.65	132.65	D-1282	1 .0	<1	100				0	60	qtz-fsp vein	grey, pink	f g - mg	shear zone		Quartz feldspar veining pink and grey. Minor fine-grained chloritized mineral = syenite? Contains fine-grained pyrite flecks throughout. Chlorite shear zone at upper contact

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
132.65	133.65	D-1283	1 .0	<1	100				0	60	qtz-fsp vein	grey, pink	f g - mg			Quartz feldspar veining pink and grey. Minor fine-grained chloritized mineral - syenite? Contains fine-grained pyrite flecks throughout. Minor epidote along fractures.
133.65	134.65	D-1284	1.00	<11					5	0	m a f i c dyke	dk green	vfg			Chlorite-rich, very fine grained mafic dyke cut by numerous quartz carbonate veinlets 0.1-2mm wide. Upper contact is sharp and injects into syenite?. Possible sulphides.
134.65	135.65	D-1285	1 .00	<1					5	0	diorite	dk green	vfg			Chlorite-rich, very fine grained mafic dyke cut by *numerous quartz carbonate veinlets 0.1-2mm wide.* Upper contact is sharp and injects into syenite?. Possible sulphides. Lower contact is jagged and shows intrusive nature of this unit. Quartz carbonate veinlets are accompanied by minor k-spar.
135.65	138.60		0	0					3	1	diorite	grey, green	mg		kspar	Moderately fresh diorite with minor k-feldspar injected along fractures and extending up to 10 mm into country rock. Quartz-feldspar veining at 132.80-132.87, very fine grained and orange.
138.60	139.75	D-1286	1.15	<1	100				3	15	diorite	grey, green	mg			Moderately fresh diorite with minor k-feldspar injected along fractures and extending up to 10mm into country rock. Very fine grained orange-red quartz-feldsapr veining at 135.65-135.77 and 139.40-139.57 contains 0.1-3mm quartz-carbonate veinlets and minor epidote veinlets 0.2 mm. Possible sulphides?
139.75	149.44		9.69						3	2	diorite	grey, green	mg	fault gouge		Moderately fresh diorite with minor k-feldspar injected along fractures and extending up to 10mm *into country rock. Quartz-feldspar veining at 132.80-*132.87. Very fine grained orange quartz-feldspar vein 144.57-144.63. Fault gouge at 145.37.
149.44	152.48		3.04	0					3	1	diorite	grey, green	mg	fault zone		Fresh but very broken diorite. Brecciated 150.60-150.75; very broken brecciated 151.48-152.00.
152.48	156.58		4.10	0					3	1	diorite	grey, green	mg			Relatively fresh diorite. Chlorite-lined fracture zones.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
156.58	157.58	D-1287	1.00	<1					3	2	diorite	grey, green	mg			Relatively fresh diorite. Chlorite-lined fracture zones. Quartz feldspar vein also present from 157.02-157.12. Sharp contacts on either side. Possible sulphides.
157.58	161.80		4.22	0					4	0	diorite	grey, green	mg			Fresh diorite with chlorite-lined fracture zones.
161.80	162.80	D-1288	1.00	<1					3	2	diorite	lt grey, green	mg		clay	Diorite with moderate clay alteration over most of section. Minor potassic alterations along fractures; contains one quartz-feldspar vein 20mm wide at 162.20m. Possible sulphides.
162.80	174.15		11.35	0							diorite	grey, green	mg			Fresh diorite; quartz-carbonate vein 5-15mm wide at 20-30°ca at 165.50 and 167.55.
174.15	175.15	D-1289	1.00	<1					2	8	diorite	grey, green	mg	shear zone	kspar,epi	Diorite with mild potassic alteration throughout, with more intense quartz feldspar veining/alteration 75.37-75.80 changing into epidote alteration at 75.93m. Possible sulphides.
175.15	176.15	D-1290	1.00	<1					3	3	diorite	grey, green	mg	heavily fractured		Mostly fresh diorite with biotite; chlorite-lined fractures in heavily broken zone 175.20-175.82. Quartz-feldspar vein from 175.82-175.91.
176.15	181.32		5.17	0					3	0	diorite	grey, green	mg			Fresh diorite with very rare potassic altered fractures extnding to 5mm into country rock. Chlorite-lined fracture planes.
181.32	185.40		4.08	0					3	1	diorite	grey, green	mg		kspar	Fresh diorite with only a few potassic altered fractures extending to 20 mm into country rock. Chlorite-lined fracture planes.
185.40	190.47		5.07	0					3	2	diorite	grey, green	mg			Fresh diorite containing one quartz feldspar vein with graphic granite texture at 189.70-189.80m. 50% quartz-50% k-spar.
190.47	191.47	D-1291	1.00	<1					2	5	dio,qtz-fsp vein	grey, green	mg		kspar	Diorite with mild potassic alteration throughout. Quartz feldspar vein 190.47-190.58. Open calcite vein 5 mm wide at 190.58. Possible sulphides.
191.47	192.47	D-1292	1.00	<1					2	5	dio,qtz-fsp vein	grey, green				Diorite with mild potassic alteration throughout. quartz feldspar vein 191.65-191.91m. Open calcite vein 5mm wide at 190.58. Possible sulphides.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
192.47	194.75		2.28	0					3	2	diorite	grey, green			kspar	Diorite with mild potassic alteration in zones 5-10cm wide. Contains quartz feldspar veins at 193.16 10mm wide 10-20°ca and at 194.75 several quartz-k feldspar veinlets at 15°ca.
194.75	197.21		2.46	0					2	3	diorite	grey, green	mg		kspar	Diorite with mild potassic alteration along fractures planes and weak shear zones. Chlorite-lined fracture zones. End of Hole.
197.21																EOH

Diamond Drill Log

Drill Hole No: EA-96-06

Logged By: Daniel A. Beauchamp

Date: October 6-8, 1996

Easting:	39+25E	**Azimuth:**	042°
Northing:	11+00N	**Inclination:**	-65°
Elevation:	1414m a.s.l.	**Total Depth:**	279.79m
		Core Size:	NQ-2

Survey Type: Tropari

depth	***az.***	***dip***
Collar:	042°	-65°
105.70m	042°	-71°
209.40m	047°	-67°
297.79m	049°	-70°

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
DDH: EA-96-06																
0.00	21.34		21.34													Casing
21.34	21.80		0.46	0					3	0	diorite	grey, green	mg			Fresh diorite containing a few chlorite-lined fractures.
21.80	22.20		0.40	0					1	5	diorite	lt grey, green			clay	Diorite with moderate clay-sericite alterations near fracture zones.
22.20	36.00		13.80	0					3	0	diorite	grey, green				Fresh diorite throughout most of the section. Quartz vein contains black amphibole (?)actinolite vein at 30.20-30.28.
36.00	37.35		1.35	0					0	5	diorite	lt grey, green		sheared	clay	Diorite with clay alteration. Upper contact broken, lower contact gradual. Section is highly sheared and recemented from 36.66-37.00m. Quartz carbonate veining is present at top and bottom of sheared section and at othe locations.
37.35	40.25		2.90	0					2	3	diorite	grey, green			kspar	Fresh diorite with occasional areas up to 20mm in diametre of mild potassic alteration. Core is somewhat broken and many fractures planes are lined with chlorite.
40.25	42.77		2.52	0					5	1	diorite,g abbro	dk green	mg			Diorite gabbro which is much darker than the diorite above. Contact is sharp with diorite above and broken with unit below.
42.77	49.85		7.08	0					4	2	diorite		mg		kspar	Relatively fresh diorite with occasional patches of potassic alteration along fracture planes up to 10 mm into the country rock.
49.85	52.90		3.05	0					2	4	diorite	grey, green	mg		clay	Diorite with mild clay-sericites alteration throughout most of section. A few zones of weak potassic alteration, mostly along fracture planes.
52.90	55.00		2.10	0					3	3	diorite	lt grey, green	mg			Heavily fractured and sheared diorite at 45°ca. Fault gouge at 43.50-43.60. Minor quartz veining along shear zone.
55.00	56.05		1.05	0					1	10	diorite	lt grey	f g - mg		clay	Diorite with moderate to extensive clay-sericite alteration. Quartz veining and injection of quartz is apparent throughout the section.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
56.05	70.52		14.47	0					3	2	diorite	grey, green	mg	mild shearing	kspar,epi	Moderately fresh diorite. Very sparse potassic and epidote alteration where the diorite has been weakly sheared from 60.50-61.35. Chlorite-lined fracture zones throughout' potassic alteration. Also present about every 1m along fractures and 1cm into country rock.
70.52	71.60	D-1293	1.08	<1					1	5	diorite	lt green, orange	mg		kspar,epi	Diorite with moderate potassic alteration and minor epidote alteration along fractures. Possible sulphides.
71.60	72.68	D-1294	1.08	<1					0	65	qtz-fsp vein	grey, green, orange	fg			Quartz and quartz-feldspar veining. Quartz is dark grey to green containing chlorite fragments. Possible sulphides.
72.68	73.76	D-1295	1.08	<1					0	70	qtz-fsp vein	grey, green, orange	fg			Quartz and quartz-feldspar veining. Quartz is dark grey to green containing chlorite fragments. Possible sulphides.
73.76	74.92	D-1296	1.16	<1					2	5	diorite	grey, green	mg		kspar	Diorite with minor potassic alteration at top and bottom of section. Possible sulphides.
74.92	76.00	D-1297	1.08	<1					3	4	diorite	grey, green	mg		kspar	Diorite relatively fresh but with intensly potassic-altered section at 75.16-75.19.
76.00	76.92		0.92	0					4	0	diorite	grey, green	mg			Fresh-looking diorite, chlorite-lined fractures.
76.92	77.92	D-1298	1.00	<1					3	20	diorite	dk grey, green, orange	fg-mg			Relatively fresh diorite with quartz-feldspar vein from 76.92-77.17. Possible sulphides.
77.92	79.33		1.41	0					3	1	diorite	dk grey, green	mg			Fresh-looking diorite with chlorite-lined fracture planes and one quartz carbonate veinlet 10mm wide at 79.88 at 30°ca.
79.33	80.96		1.63	0					2	4	diorite	lt grey, green	mg		kspar	Diorite with weak potassic alteration throughout. Contains quartz-carbonate veinlets at 30-60°ca.
80.96	85.60		4.64	0					4	1	diorite	dk grey, green	mg			Fresh-looking diorite. Biotite-lined fracture planes. Only occasional quartz carbonate veinlets.
85.60	86.08	D-1299	0.48	<1	30	70			4	5	diorite	dk grey, green	mg			Fresh-looking diorite. Biotite-lined fracture planes. Quartz-cahlorite-carbonate vein 15mm wide at 86.68m containing cp/py blebs up to 10 mm x 7 mm.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
86.08	87.89		1.81	0					4	0	diorite	dk grey, green				Fresh diorite with chlorite-lined fracture planes.
87.89	88.89		1.00	3	0	100			4	5	diorite	dk grey, green	mg		kspar	Fresh diorite with minor quartz carbonate veinlets. Contains potassic-altered section at 88.08-88.19. From 88.04-88.08 a 20mm wide cp-quartz-carbonate vein is at the top of the potassic-altered zone at 30°ca. Cp represents 80% of the vein.
88.89	95.35		6.46	0					3	2	diorite	dk grey, green	mg		kspar	Fresh diorite with minor potassic alteration and major recemented shear zone at 35°ca from 95.68-95.98. Possible sulphides.
95.35	96.35		1.00	<1	100				2	2	diorite	grey, green, orange	fg-mg		kspar	Diorite with potassic alteration and major recemented shear zone at 35°ca from 95.68-95.98. Possible sulphides.
96.35	102.56		6.21						3	1	diorite	grey, green	mg		kspar,epi	Diorite with weak potassic alterations throughout in patches 2-4cm wide. Epidote alteration along some shearing at 30°ca at 99.65.
102.56	105.26		2.70	0					1	4	diorite	grey, orange	mg		kspar,epi	Diorite with weak potassic alterations throughout in patches 2-4cm wide. Epidote alteration along some shearing at 30°ca at 99.65.
105.26	106.81		1.55	0					2	3	diorite	grey, green, orange	mg	minor shearing	kspar	Diorite with intermediate potassic alteration with minor epidote alteration near shear zones.
106.81	107.81	D-1302	1 .00	<1					1	2	diorite	grey, green, orange	mg	sheared	kspar,epi	Diorite with intermediate potassic and moderate epidote alteration. Contains pyrite crystals in a sheared section from 107.45-107.54
107.81	108.85	D-1303	1.04	<1	100				1	4	diorite	grey, orange	mg	shear zone	kspar,epi	Diorite with intermediate potassic and moderate epidote alteration from 107.88-107.91 and along a quartz carbonate filled shear zone at 108.58-108.81. Possible sulphides.
108.85	109.85	D-1304	1.00	<1					1	4	diorite	grey, orange	mg		kspar,epi	Diorite with intermediate potassic alteration throughout; intermediate epidote alteration along fractured zones at 109.15-109.25 and with quartz carbonate veins at 109.45-109.63.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
109.85	118.20		8.35	0					3	3	diorite	dk grey, green			kspar	Fresh diorite with only occasoinal potassic altered zones, mostly along quartz carbonate veinlets 3-30 mm. Alteration usually extends 1/2 the width of vein into either side of country rock at 115.41 and 115.78m.
118.20	118.25		0.05	0					1	5	diorite	dk green	fg	fault gouge		Diorite that is sheared and fault-gouged.
118.25	123.05		4.80	0					3	0	diorite	dk green	mg			Fresh diorite with few fractures, all of which are located within chlorite.
123.05	124.05		1.00	0					0	10	diorite	dk grey	f g - mg	breccia	clay	Diorite with clay-serecite alteration. Quartz carbonate breccia is present from 123.05-123.20. A 30cm wide quartz shear zone is present at 123.87 at 40°ca.
124.05	126.23		2.18	0					3	1	diorite	dk grey, green	mg			Fresh diorite containing quartz-carbonate veinlets 0.5-5mm wide at 30-45°ca.
126.23	127.00		0.77	0					2	15	diorite	white to lt grey	f g - mg	breccia	clay	Fractured diorite that has a partly recemented breccia zone. Quartz-carbonate veining is the cement. Clay alteration is moderate.
127.00	133.25		6.25	0					4	0	diorite	grey, green	mg			Fresh diorite with chlorite-lined fractures.
133.25	144.45		11.20	0					3	1	diorite	green, grey	mg		kspar,epi	Mostly fresh diorite with minor bleaching (k-spar) along fracture zones, extending more than 1mm into country rock. Potassic and epidote alteration at 136.10 over 50mm section. Quartz veining and epidote at 142.44m.
144.45	145.50	D-1305	1.05	<1	100				2	2	diorite	dk grey, green	f g - mg	sheared & recemented	kspar	Diorite with minor potassic alteration in upper section (30cm) followed by extensive shearing and recementation of the unit. Possible sulphides.
145.50	146.75		1.25	0					3	2	diorite	dk grey, green	mg		kspar	Fresh diorite with one section of mild potassic alteration 146.44-146.52.
146.75	148.05	D-1306	1.30	<1					3	2	diorite	dk grey, green	f g - mg	sheared & recemented	kspar,epi	Diorite containing mild potassic alterations throughout and epidote alterations along veins and veinlets at 147.33-143.44. Zones of extensive shearing and recementation occur at 146.75-147.80 and 147.83-148.02. Possible sulphides.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
148.05	153.53		5.48						3	0	diorite	dk grey, green				Fresh diorite with chlorite-coated fracture planes.
153.53	154.00		0.47	0					0	5	diorite	dk grey	mg		clay	Diorite with moderate clay-sericite alteration and very weak potassic and epidote alterations at 153.71-153.78.
154.00	164.73		10.73	0					3	1	diorite	dk grey, green	mg		kspar	Fresh diorite with chlorite-lined fractures and minor quartz-carbonate veining 0.1-2mm wide. Very rare weak potassic alteration along fracture zones and 2-4mm into country rock.
164.73	165.73	D-1307	1.00	0					3	0	diorite	dk grey, green	mg		kspar	Fresh diorite with chlorite-lined fractures and minor quartz-carbonate veining 0.1-2mm wide. Very rare weak potassic alteration along fraacture zones and 2-4 mm into country rock. No sulphides visible.
165.73	170.00		4.27	0					3	0	diorite	dk grey, green	mg			Fresh diorite with chlorite-lined fractures.
170.00	172.82		2.82	0					3	0	diorite	dk grey, green	mg	fractured		Fresh diorite with chlorite-lined fractures. Core is very heavily fractured.
172.82	190.61		17.79	0					4	0	diorite	dk grey, green	mg		kspar	Fresh diorite, medium grained with chlorite-lined fracture. Very homogeneous. Very few quartz-carbonate fractures, rarely with potassic alteration.
190.61	193.83		3.22	0					3	2	diorite	lt grey, green	mg			Diorite with very weak potassic alteration throughout. Diorite is slightly more felsic than previous.
193.83	197.71		3.88	0					4	0	diorite	dk grey, green	mg		kspar	Diorite is mostly fresh. Minor bleaching and potassic alteration 194.90-194.93m.
197.71	198.71	D-1308	1.00	0					3	2	diorite	dk grey, green, lt pink			kspar	Mostly fresh diorite, but with a zone of potassic alteration 197.71-197.95 where the alteration extends up to 20mm from the quartz carbonate veinlets.
198.71	205.60		6.89	0					3	1	diorite	dk grey, green, lt pink	mg			Mostly fresh diorite but with zones up to 80mm wide where very weak potassic alteration has extended from fracture zones. At 200.26-200.32, one of these zones extends from a 15mm quartz vein and has been superimposed by epidote alteration.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
205.60	207.60		2.00	0					3	1	diorite	dk grey, green	mg	very broken	kspar	Diorite, mostly weak potassic alteration throughout section, emanating from quartz carbonate-filled fracture zones. Core is very fractured from 206.15-206.50.
207.60	211.10		3.50	0					3	1	diorite	pink	mg			Diorite with very little potassic alteration 1-2 mm wide at most.
211.10	212.10	D-1309	1.00	<1					3	2	diorite	pink, grey	mg		kspar	Diorite with moderate potassic alteration; chlorite shearing at 211.10m. Possible sulphides.
212.10	213.10	D-1310	1.00	<1					3	2	diorite	grey, pink	mg		kspar	Diorite with moderate potassic alteration; chlorite shearing at 211.10m. Possible sulphides.
213.10	214.10	D-1311	1.00	<1					3	3	diorite	grey, pink	f g - mg	shearing	kspar	Diorite with mostly potassic alteration. Heavily sheared 213.40-213.75, containing much chlorite. Possible sulphides.
214.10	215.10	D-1312	1.00	<1					3	1	diorite	grey, pink	f g - mg	shearing	kspar	Diorite with somewhat weaker potassic alteration. Chlorite shear zones at 214.47-214.56 and 214.83-215.10. Possible sulphides.
215.10	216.10	D-1313	1.00	<1					3	1	diorite	grey, green	mg	broken & recemented	kspar	Diorite with mostly weak potassic alterations throughout. Diorite appears to have been heavily broken and recemented. Possible sulphides.
216.10	220.31		4.21	0					3	1	diorite	grey, green	mg		kspar	Mostly fresh diorite with minor potassic alteration.
220.31	221.59		1.28	0					3	2	diorite	dk grey, green	mg	sheared & recemented		Diorite containing several shear zones that have been recemented by chlorite; 2-13 cm wide.
221.59	225.18		3.59	0					3	0	diorite	dk grey, green	mg			Fresh diorite with chlorite-coated fracture planes.
225.18	228.35		3.17	0					2	2	diorite	med grey	mg		kspar	Diorite showing mild potassic alteration in patchy zones 3-20 cm wide.
228.35	233.88		5.53	0					2	1	diorite	lt grey, dk green	mg		kspar	Diorite with mild to moderate potassic alteration.
233.88	234.88	D-1314	1.00	<1					2	1	diorite	dk green	f g - mg			Diorite: exclusively brecciated and recemented section containg much chlorite. Possible sulphides.
234.88	237.80		2.92	0					3	1	diorite	dk grey, green	mg			Fresh diorite.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
237.80	239.10	D-1315	1.30	<1	100				3	2	diorite	dk grey, green, orange	mg		kspar	Fresh diorite with two zones 15 cm wide of extensive potassic alteration along fracture zones filled with quartz carbonate veins 2-3mm wide. Possible sulphides.
239.10	240.88		1.78	0					3	1	diorite	dk grey, green	mg	sheared & re-cemented		Fresh diorite with minor chlorite-lined fracture zones.
240.88	241.88	D-1316	1.00	<1	100				3	2	diorite	dk grey, green	mg	sheared & recemented	kspar	Mostly fresh diorite with minor potassic alteration near an extensively sheared and recemented zone 80 mm wide at 30°ca. Possible sulphides.
241.88	242.88	D-1317	1.00	<1	100				2	10	dio,qtz-fsp vein	dk grey, orange	f g - mg			Quartz feldspar veining injected into relatively fresh diorite. Edges of the vein are well defined.
242.88	244.35		1.47	0					3	0	diorite	dk grey, green	mg			Fresh diorite.
244.35	245.35	D-1318	1.00	<1	100				2	2	diorite	dk grey, green	f g - mg	Shearing		Fresh diorite containing two zones of extensive shearing at 20-30°ca of 10 cm true width.
245.35	254.85		9.50	0					3	1	diorite	grey, green	mg	fractured	kspar	Fresh diorite with rare potassic alteration for up to 10 mm on either side of 1 mm-wide shear zone filled with quartz carbonate. Highly fractured 251.65-252.07.
254.85	255.85	D-1319	1.00	<1	100				2	3	diorite	dk grey, green	mg		kspar	Diorite with moderate potassic alteration. Contains 5-10 mm-wide quartz carbonate veins. Possible sulphides.
255.85	261.20		5.35	0					2	4	diorite	dk grey, green	mg		kspar,epi	Diorite with moderate potassic alteration. Contains 5-10mm-wide quartz carbonate veins. Possible sulphides. Also contains epidote alteration along the centre of a wider quartz carbonate vein (30 mm) at 258.39, 259.50, and 259.76m.
261.20	262.30	D-1320	1.10	<1	100				1	1	diorite	dk orange	mg		kspar	Diorite with extensive potassic alteration cut by 0.2-1mm quartz carbonate veinlets, some of which show epidote alteration.

From (m)	To (m)	Sample No.	Width (m)	Sulp	py	cp	gal	po	mag	qtz	Lithology	Colour	Size	Structure	Alteration	Comments
262.30	264.40		2.10	0					2	1	diorite	dk grey, orange				Diorite with moderate potassic alteration. Contains 5-10mm-wide quartz carbonate veins. Possible sulphides. Also contains epidote alteration along the centre of a wider quartz carbonate vein (30 mm) at 258.39, 259.50, and 259.76m. Has 30mm-wide shear zone with extensive chlorite, manganese oxide and magnetite.
264.40	272.36		7.96	0					4	1	diorite	grey, green	mg		kspar	Diorite containing occasional potassic alteration in zones 2-10 cm wide and rare epidote alteration in the k-spar sections. Recemented shear zones at 30°ca at 269.80-269.15
272.36	277.60		5.24	0					3	2	diorite	grey, green	mg			Diorite is highly sheared and broken.
277.60	280.18		2.58	0					3	0	diorite	grey, green	mg			Diorite is relatively fresh with chlorite-lined fracture zones.
280.18	281.18	D-1321	1.00	<1					0	35	qtz-fsp vein,dio	orange, dk green	fg		kspar	Quartz feldspar vein and potassic altered diorite (~50:50). Minor quartz carbonate veining, 1-2 mm at 45°ca. Possible sulphides.
281.18	288.95		7.77	0					3	1	diorite	dk grey, green	mg			Fresh diorite containing chlorite shear zones at 285.00; 20 mm wide at 15°ca.
288.95	289.65		0.70	0					2	3	diorite	grey, green orange,	mg		kspar	Diorite shows four zones of potassic alteration, each 3-8 cm wide at 45°ca.
289.65	297.79		8.14									dk grey, green				Mostly unaltered diorite containing several quartz carbonate veinlets from 295.10-297.79. All 0.5-10mm wide at 30-90°ca. End of Hole.
297.79																EOH