GEOLOGICAL AND GEOCHEMICAL REPORT

ON THE

RANGER AND LUCKY RANGER CLAIMS

LILLOOET MINING DIVISION

BRITISH COLUMBIA

50°50'N 122°45'W

N.T.S. 92J/15

BY

J. A. TURNER

MARCH 5, 1985

CLAIMS OWNED BY: Newmont Exploration of Canada Limited

WORK DONE BY: Newmont Exploration of Canada Limited

WORK DONE BETWEEN: August 5 to September 5, 1984

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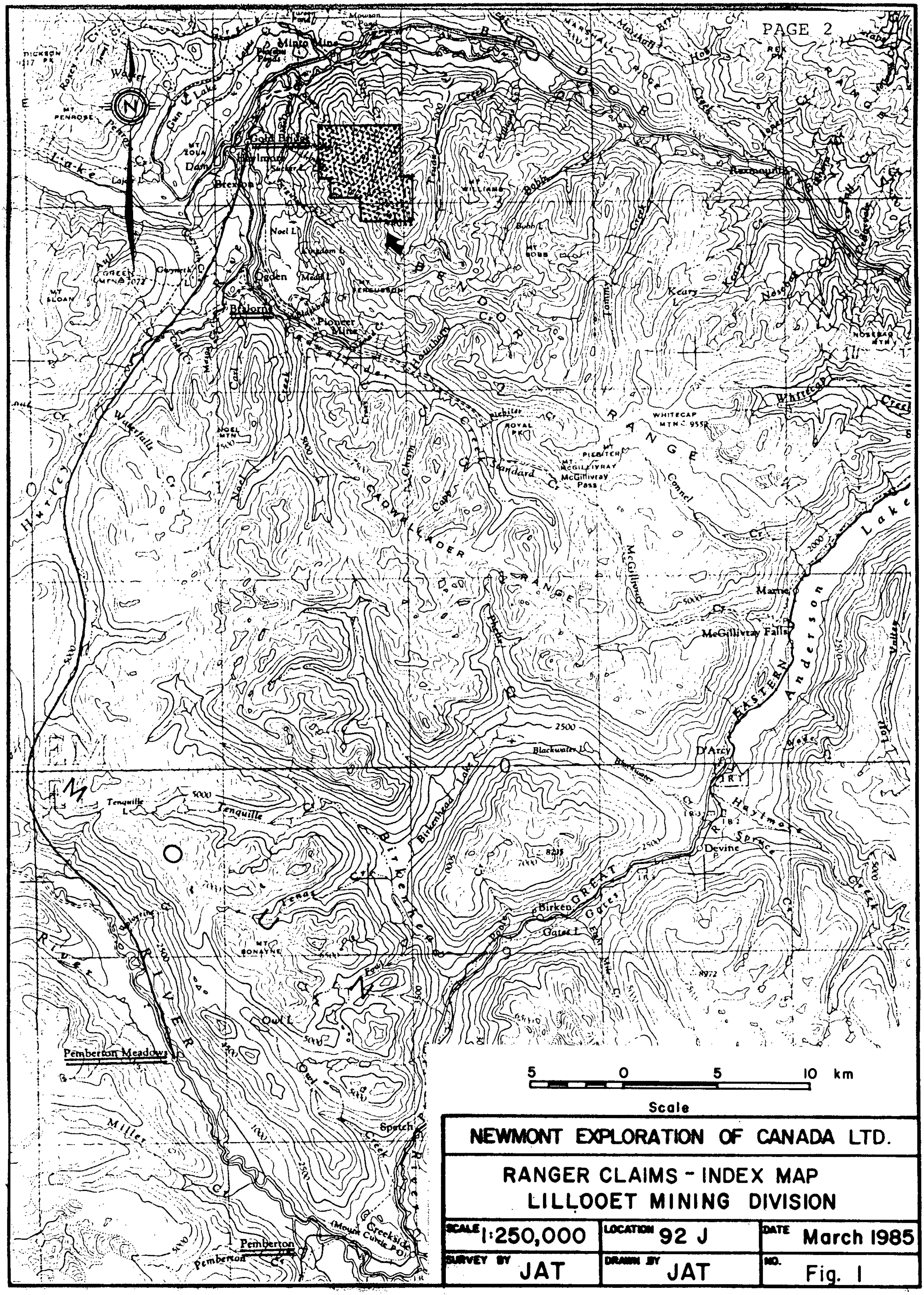
1.0 INTRODUCTION

The Ranger claims are located in rugged alpine terrain on the eastern margin of the Coast Mountains or approximately 180 km north of Vancouver. The town of Goldbridge lies 6 km northwest of the claim group. Access to the claims is by helicopter and this support was provided by Pemberton Helicopters who are based at Pemberton Meadows, approximately 20 minutes flying time from the claims.

The 5 claims comprise 70 units which cover a section of rugged alpine peaks and ridges, intervening cirque valleys and a few lower vegetated creek valleys. There are several small tarns and two major creeks on the property. Elevations within the claim group range from 1,525 metres (5,000 feet) in the valley of Steep Creek to 2,880 metres (9,450 feet) on the peak of Mt. Truax. Newmont's 1984 campsite was located near an old cabin, approximately 600 m north of the legal corner post, in an open basin at the head of Steep Creek drainage.

Newmont's geologists Jim Turner and Craig Boyle supervised a crew of five and included Bob Lane, Senior Assistant, Lyndsay Martin, Rob Kowalski, Peter Gill, Alan Sheldon, Junior Assistants, to carry out a programme of geologic and geochemical surveys. A total of 412 soil, 39 silt and 139 rock chip samples were collected. Most of the work was carried out on the Lucky Ranger, Ranger 1 (reduced), and Ranger 2 claims. The total area surveyed was approximately 1600 hectares.

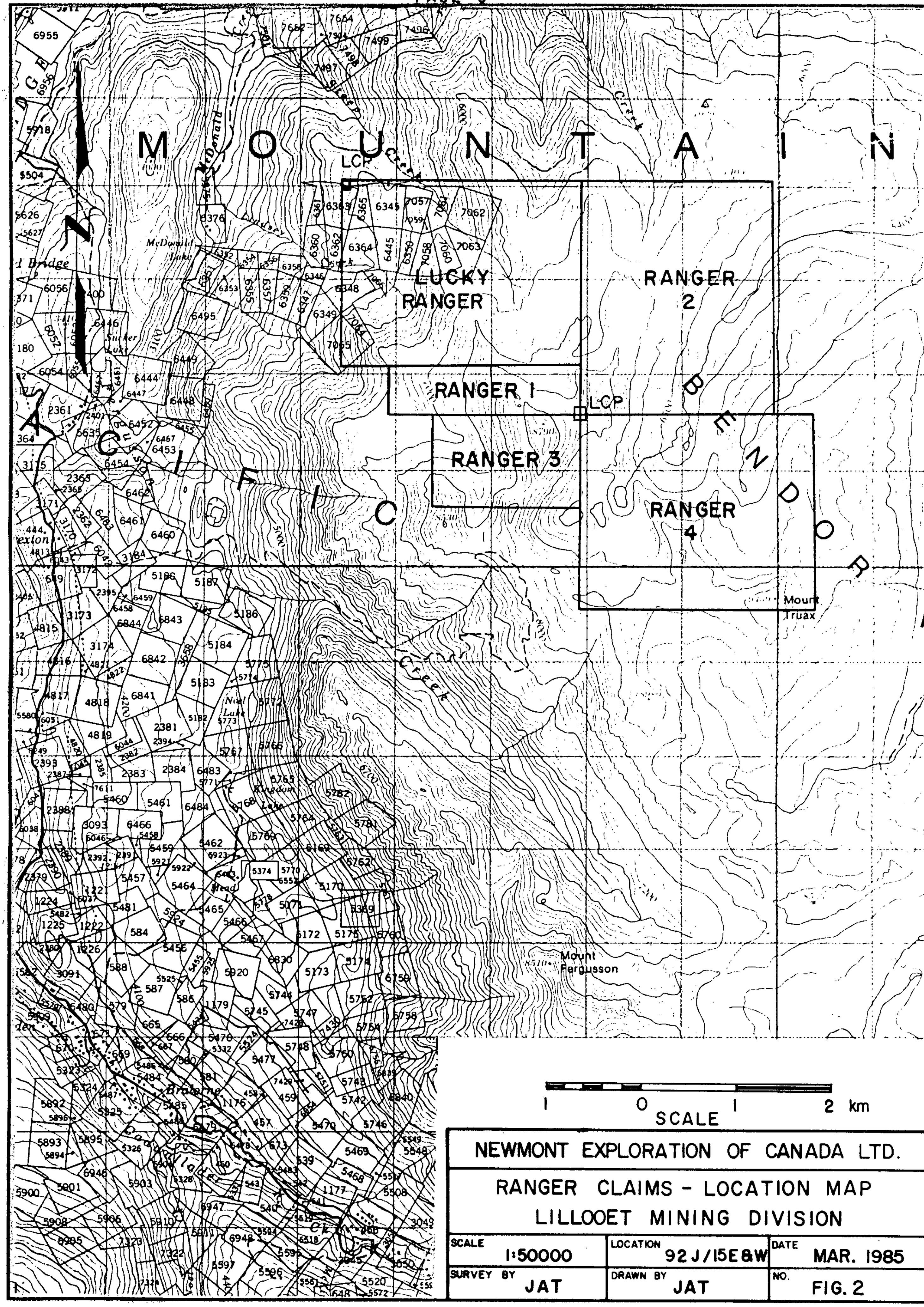
Enlargements (1:5000 and 1:1000) made from topographic maps and aerophotos provided base map coverages for Newmonts' work programme.



NEWMONT EXPLORATION OF CANADA LTD.

RANGER CLAIMS - INDEX MAP
LILLOOET MINING DIVISION

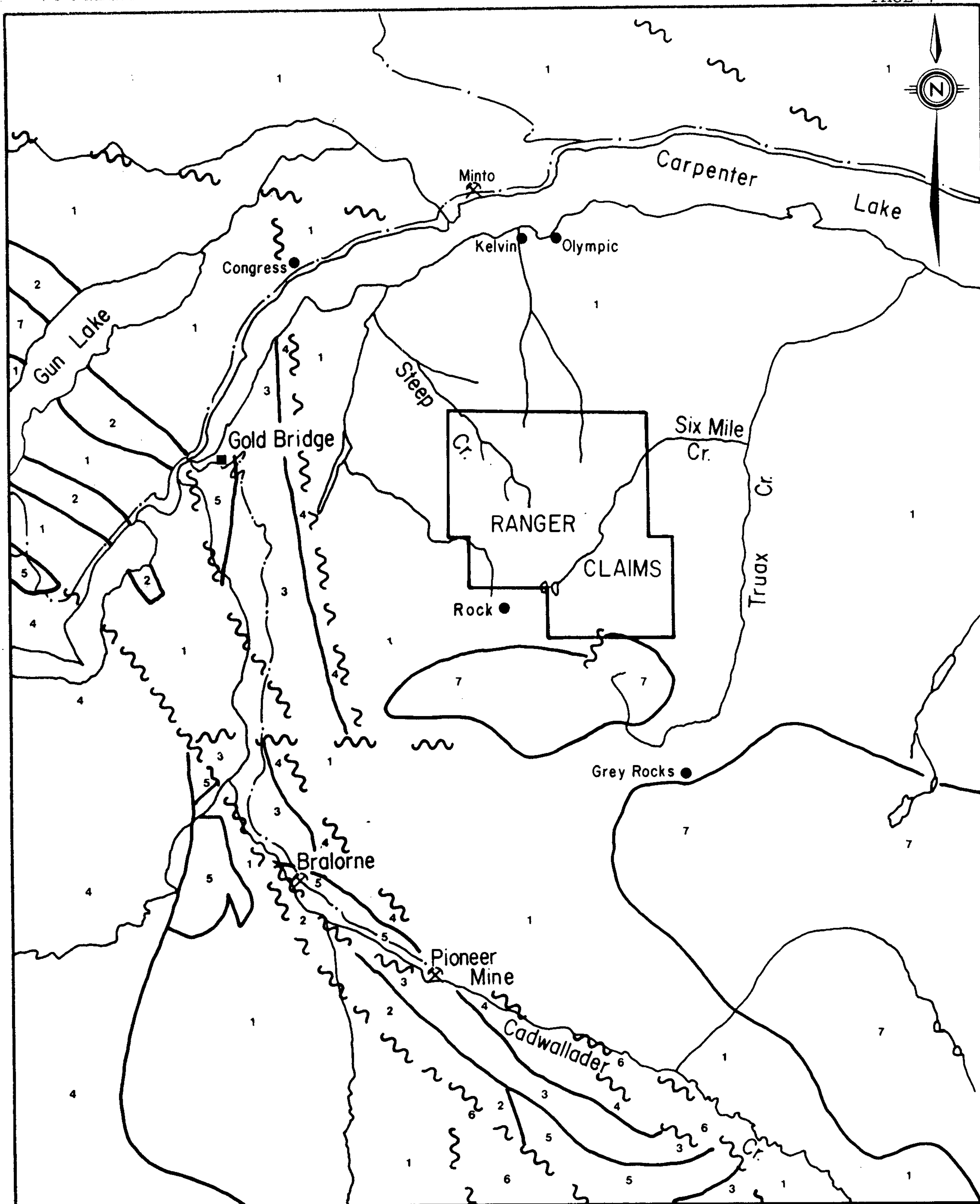
SCALE 1:250,000	LOCATION 92 J	DATE March 1985
SURVEY BY JAT	DRAWN BY JAT	NO. Fig. 1



NEWMONT EXPLORATION OF CANADA LTD.

RANGER CLAIMS - LOCATION MAP
LILLOOET MINING DIVISION

SCALE	LOCATION	DATE
1:50000	92 J/15E&W	MAR. 1985
SURVEY BY	DRAWN BY	NO.
JAT	JAT	FIG. 2



4	Hurley Fm.	Cadwallader Group	
3	Pioneer Fm.		
2	Noel Fm		
1	Fergusson Group		
7	Bendor intrusives		
6	ultrabasic intrusives		
5	Bralorne intrusives		

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GOLD BRIDGE AREA
REGIONAL GEOLOGY

SCALE	LOCATION	DATE
1:100,000	92 J / 15	March 1985
SURVEY BY	DRAWN BY GMcL	NO. Fig. 3

The purpose of the project was to define favourable geologic environments for sedimentary-hosted gold mineralization, and to attempt to extend the limits of known mineralization which was found to contain gold. A bulk tonnage, low grade deposit is the target sought. Work in 1984 has indicated that gold mineralization on the claims is associated with tetrahedrite which occurs as pods and as fracture fillings that are believed to be related to a major northwest-trending fault zone. Other areas which contain gold mineralization were coincident with quartz-carbonate-mariposite altered zones. Soil and rock sampling indicated three distinct areas which were anomalous in gold.

2.0 **PROPERTY DESCRIPTION Figures 1 & 2**

The claims covered in this report total 70 units in 5 modified grid claims which are recorded in the Lillooet Mining Division. The claims are 100% owned by Newmont Exploration of Canada Limited and are described as follows:

CLAIM	UNIT	RECORD DATE	RECORD NO
Ranger 1 (reduced*)	4	May 2, 1983	2404
Ranger 2	20	May 2, 1983	2405
Ranger 3	6	May 2, 1983	2406
Ranger 4	20	May 2, 1983	2407
Lucky Ranger	20	Apr 27, 1984	2818

* Date reduced April 30, 1984

3.0 **HISTORY**

The earliest recorded work completed in the area of the **RANGER** claims is described in the British Columbia Minister of Mines Annual Reports for 1945 and 1946. The ground was originally staked in 1944 by a prospector who found mineralized talus material. Following the discovery of an outcropping quartz vein which was well-mineralized with arsenopyrite, Bralorne Mines Ltd., took an option on the property (then known as the Ben d'Or) and explored the vein for approximately eight metres in an adit and in surface cuts. Sulphide rich (tetrahedrite, arsenopyrite, and pyrite) portions of the quartz vein assayed up to 4.46 oz/ton gold and 7.5 oz/ton silver over a width of 30 centimetres (12 inches). A 66 centimetre (26 inch) section of adjacent wallrock assayed 0.4 oz/ton gold and 1.7 oz/ton silver. In 1945, three diamond drill holes, totalling approximately 62 metres in depth, were completed; however, due to the presence of intensely sheared ground conditions, the core recovery was very poor and the results inconclusive, hence the company dropped its option. Additional work completed during this period consisted of small surface cuts and prospecting, however, there is no record of this work.

The **BEE** 1-10 mineral claims were staked in 1974 at the head of Steep Creek in an area now covered by the **LUCKY** claim. The **BEE** claims were previously known as the A 1-10 claims, however no work was recorded on the A claims. The **FOXY** 1-8 claims were staked adjoining the **BEE** claims and the entire **FOXY-BEE** group was vended to Rabbit Oil and Gas Ltd. in 1980. Arsenopyrite mineralization was located in trenches in Steep Creek approximately 1.6 kilometres along strike from the Ranger adit area, but the exact location and nature of the trenching has not been recorded. An airborne VLF-electromagnetic and magnetic survey flown in 1981 over these claim groups (covering areas of the **RANGER** 1 and 2 claims) defined a number of weak conductors and two moderate magnetic trends. No follow-up work was undertaken and the claims were allowed to lapse in late 1982. In 1983 Newmont carried out a limited programme of geologic mapping and rock chip sampling on the **RANGER** claims. Most of this work was conducted near the legal corner post, and covered four claims. A total of 104 chip samples were collected during

September of that year. In April 1984, the **RANGER** 1 claim was reduced in size and the **LUCKY RANGER** claim was purchased. In August 1984, Newmont renewed work on the claims and conducted a more thorough programme of mapping, soil, silt and rock chip sampling.

4.0 GEOLOGY

4.1 Regional Geology Figure 3

The Goldbridge area lies on the eastern flank of the Coast Plutonic Complex at a point where the eastern most crystalline plutons have intruded a Mesozoic sequence of sediments and volcanics.

A variety of cherts and volcanics of the Middle Triassic Fergusson Group are overlain by a conformable sequence of clastic and volcanic rocks of the Upper Triassic Cadwallader Group. The Fergusson Group rocks are warped into a broad northwest plunging antiform bounded on the south and west by the Coast Range intrusives and on the northeast by the Yalokom Fault Zone. The Bendor granodiorite plutons bound the southwest flank of the antiform.

In the area of the Bralorne mine the Jurassic intrusives are known as the Bralorne intrusives. This complex represents a magmatic differentiated suite from a ultra basic magma. The rocks gradually grade from a serpentinite-peridotite through a gabbro, to diorite, to andesite, to soda-granite and finally to auriferous quartz veins. According to Joubin (1948) the auriferous veins are principally in the greenstones, to a lesser extent in the sediments and in all intrusive rock types except serpentinite and gabbro. They show a close spatial relationship to the soda-granite. Over half the production from Bralorne came from veins in diorite and the richest ore occurred near the serpentine.

This area is a major gold camp in British Columbia, and over 4.1 million ounces of gold and about 1 million ounces of silver were produced from the Bralorne-Pioneer mine (1914-1971) in the Cadwallader Creek valley. Just to the east of these mines, the Fergusson Group rocks host numerous showings and old workings on gold bearing quartz veins and shear zones. Common mineral associations are arsenopyrite, stibnite, sphalerite and galena. The most significant producer from the Fergusson Group was the Minto Mine which produced 18,000 ounces gold and 98,000 ounces silver. Gold occurrences are known on the property, and also to the south at the **WINDY**, north at the **KELVIN** and **OLYMPIC** claims and to the east at Grey Rocks.

4.2 Property Geology

The **RANGER** claims cover a section of Fergusson Group volcanics and sediments at the northern extremity of the Bendor Intrusive. Map 1 shows the results of the geologic mapping by Newmont. In some areas where rock exposures were scarce or were not accessible, geologic contacts were assumed. Overburden, which is quite extensive on the claims, consists of glacial till, large boulder fields, and moraine deposits. Most mineralization found on the property is associated with a major northwest-trending and steeply dipping fault zone.

4.2.1 Lithology

The lithology on the **RANGER** claims can be divided into two volcanic-sedimentary series. This is based on subtle differences in the basic volcanic members.

The basic volcanic rocks range in composition from dark vesicular basalt flows and flow breccias of series 1, to green, calcareous andesite flows, with pillow and ropy flows of series 2. Augite porphyry flows are also present in the series 2.

The basalts are dark, vesicular and, in part, amygdaloidal, soft and fine grained. They outcrop on a ridge south west of the legal corner post. On this ridge the basalts vary from a massive amygdaloidal flow to a breccia flow. Amygdules are filled with calcite, chlorite or zeolite, and the angular fragments, which amount to about 3% of the total volume, are basaltic in composition. This unit grades up section into a felsic volcanic unit in which felsic fragments comprise about 60% of the volume of the rock.

The felsic volcanic rocks range in composition from siliceous rhyolite breccia to fine tuff. They are light-coloured and hard. The angular fragments range in size from 5 mm to 30 cm and are composed of chert, feldspar porphyry and silicified felsic volcanics. Quartz eyes or phenocrysts are common and angular pyrite fragments (1 cm) are locally abundant. The matrix is composed of fine pyrite, volcanic fragments and mud. The matrix weathers to a rusty colour whereas the fragments are very resistant (Plate 4).

Siliceous cherty sediments which host the adit mineralization can be traced across the cirque to the south for at least 900 metres, and to the north for approximately 2500 metres. Included in this unit are thinly-bedded cherts, cherty argillites and silicified, brecciated cherts. The chert weathers to a rusty colour indicating the presence of oxidized pyrite or pyrrhotite, and where they are found in contact with intrusives, a fine hornfels has been developed. Dark grey argillite, (map unit 4), is associated with, and may overlie, the chert. It is silicified and is only recognized by its darker colour. Brecciated sections of the chert contain intense microfractures that are filled with quartz or a very siliceous material. Strong shearing in cherty argillite near the adit has led to the development of a rusty felsenmeer. Petrographic studies (Stevenson, MMAR, 1946) show strong replacement by sericite and ankerite. The ankerite has been oxidized to limonite, which has cemented sheared material in place.

Well-bedded cherts and rusty siliceous cherts of the volcanic-sedimentary series 2 can be interbedded with the basic volcanic unit (7). Chert, in general, is wide spread on the property but is most abundant on the eastern part of the property. Cherts of the two series mapped are probably related, however, soils and rock samples collected over series 1 cherts were found to be anomalous in Cu, Pb, Zn, As, Sb, Ag and Au.

The clastic sedimentary package, map unit 4, mapped mainly on the ridge to the west of the adit, consists of soft, grey brown weathering, fine grained argillite with lesser amounts of slightly coarser greywacke. Graded bedding is locally visible with tops facing towards the west. Adjacent to the intrusive bodies these fine-grained argillaceous sediments have been hornfelsed into a dense, massive to finely laminated rock. These units might have been derived from an argillaceous tuff (Stevenson, MMAR, 1946).

Three extensive pale grey-to-white limestone lenses, map unit 5, occur near this ridge area and are probably interbedded with the argillite unit. They are well-bedded, white, sucrosic in texture and have been recrystallized. In one location the limestone exhibits contact metamorphic or skarn mineralization. These limestone lenses are small and are in fault contact with the enclosing rocks.

Outcrops of brown-weathering serpentinite, peridotite or harzburgite occurs on either side of the adit and also at several locations to the northwest, along the Steep Creek valley.

Other intrusive rocks on the property include augite-hornblende diorite and quartz diorite which are related to the Bralorne intrusions, a granodiorite plug which is related to the Bendor Intrusions (Cairnes 1937). Extensive outcrops of augite and hornblende diorite occur on the ridge west of the adit and on the slopes to the south and east of the 1983 camp. This rock is a grey-brown weathering rock with dark grey fresh surfaces showing phenocrysts of black hornblende or augite and grey feldspar, with lesser biotite, set in a fine grained grey matrix. Textures vary considerably with the finer grained varieties closely resembling some of the basic volcanic rocks. Locally, brecciated zones within the diorite have been partially infilled by quartz-carbonate veining. Large limonitic zones in the diorite forming the southeast cirque wall are due to isolated pods of increased pyrite content, occurring as disseminations or as fracture fillings.

At the peak, on the south side of the cirque of the **RANGER** 4 claim, is a massive, blocky-fractured, pale grey to light coloured granodiorite. The pinkish-grey fresh surfaces contain sodium and potash feldspars. Hornblende is the dominant mafic mineral.

4.2.2 Structure

The **RANGER** claims lie on the southwest flank of a major northwesterly plunging anticline. The axis of this anticline projects through a sequence of andesite exposed on a ridge 300 metres northeast of the saddle area (Plate 1).

The rocks are generally well-bedded and/or well-foliated in a northwest-southeast direction of about 140°. Dips are steep in either direction. Minor large amplitude folds are common. The main showing is hosted in a northwest-trending shear zone that is up to 60 metres wide and at least 2500 metres long. Strongly sheared and fractured cherty and often siliceous sediments are exposed throughout the length of this zone.

Outcrops of serpentinite and andesite also occur in this shear. Several smaller parallel faults are common throughout the claim group.

4.2.3 Mineralization and Alteration

The two main areas on the claims which contain significant gold-bearing mineralization are the Adit Zone and the Saddle Zone (Figure 4). Two other areas that are gold bearing but are not associated with any mineralization are the North Ridge Zone (Figure 5) and the East Ridge Zone. These zones are described as follows:

Adit Zone

This zone contains a pod or lens of massive sulfide mineralization that is approximately 30 cm wide but is of unknown length. An adit (c, 1945) was driven to investigate this lens but it is now only partially accessible. Efforts to trace the vein were hampered by sloughing and caving. The adit is located on the south slope of the cirque, near the L.C.P., at the 8000' elevation.

Massive tetrahedrite and arsenopyrite occur in a northwest-trending and well-fractured band of chert. Minor galena, stibnite, chalcopyrite, sphalerite and pyrite are associated minerals. Alteration minerals include stibiconite (oxidized stibnite) and limonite. A chip sample (No. 4702) taken across the showing returned 95 ppm Cu, 3953 ppm Pb, 127 ppm Zn, 124.0 ppm Ag, 61,100 ppb Au, 21,486 ppm As and 1303 ppm Sb over 30 cm.

Samples taken from the gossanous felsenmeer rocks nearby returned low values in Au and Ag but soils taken down-slope from the adit were found to be anomalous in Au and Ag. Three diamond drill holes drilled in 1945 to test this mineralization did not reach bedrock.

Saddle Zone

This zone, located 200 m to the northwest of the adit, also occurs in sheared and fractured cherts. Eight old trenches were reopened and a soil and/or a rock sample was taken from each. Only one trench reached bedrock, and permafrost was encountered in the others. On two trenches rock fragments of chert were found. Tetrahedrite and arsenopyrite, similar to the adit mineralization occurs as .5 cm wide veinlets along the fracture surfaces. Grab samples were strongly anomalous in Cu, Pb, Zn, Ag, Au, As and Sb. The best grab sample ran 1630 ppb Au and 18.8 ppm Ag. Soil samples were also anomalous in these elements (see Figure 4).

Pyrite is the next most common mineral and it was found to be ubiquitous in the sedimentary units, especially near the intrusive contacts where the content of pyrite, which alters to pyrrhotite, tends to increase. Angular pyrite clasts of tuff and lapilli size occur in the matrix material of the rhyolite breccia unit (2). Rock chip sampling over this unit showed low values in Au and Ag. Disseminated fine pyrite occurs in a skarnified limestone unit, 1000 m to the north, however soil and rock chip samples contained low values in Au and Ag.

Most of the units mapped have undergone regional metamorphism, probably to greenschist facies and all units in contact with later intrusives have undergone contact metamorphism. The sediments form hornfels, which contain pyrrhotite and limonite after pyrite. The limestone unit is locally skarnified and contains chlorite and actinolite with pyrite, pyrrhotite and limonite. Quartz-carbonate-mariposite altered ultramafic rocks occur in at least two areas on the claims. A few barren quartz veins are associated with these ultramafic bodies. c.f. North Ridge Zone. A large silicified zone is located on the east slope of the Steep Creek valley where quartz-filled fractures and silica flooding occur in thinly bedded cherts or brecciated cherts.

5.0 GEOCHEMISTRY

Geochemical sampling on the **RANGER** claims was limited to 25 km of contour, detail soil sampling, silt sampling and rock chip sampling. Soil samples were taken along several contours at 50 m stations or on detailed grids at 10 m spaced stations. Silt samples were taken along creeks at approximately 200 m intervals. Rock chip and grab samples were taken across specified widths or as panel samples from selected outcrops.

Soil samples were collected from a weakly-developed B, and in the most part, C horizons. Samples were obtained from pits, at 20-35 cm depths, which were dug with a mattock and/or steel trowel. Silt samples were collected in fine wet sands from moderately fast-moving streams using a steel trowel. Rock samples were obtained using a hammer and chisel.

5.1 Analytical

The soil and samples were placed in numbered Kraft paper or plastic bags and sent to Acme Analytical Labs in Vancouver where they are dried, sieved to -35 mesh, pulverized, and analysed for 30 elements by the Inductively Coupled Plasma (I.C.P.) technique. In this method a 0.5 gm sample is digested with 3 ml of 3:1:3 nitric acid to hydrochloric acid to water at 90° for 1 hour and the sample is diluted with water to 10 ml and then analysed in the I.C.P. unit.

For Au, a 10 gm sample that has been ignited overnight at 600° is digested with hot dilute aqua regia, and the clear solution obtained is extracted with Methyl Isobutal Ketone (MIBK). Au is determined in the MIBK extract by atomic absorption, using a background correction (detection limit = 5 ppb). For rocks gold content was determined by fire assay methods.

5.2 Results and Interpretation

Results, quoted in parts per million (ppm) for Ag and in parts per billion (ppb) for Au, are plotted on map 2 at a scale of 1:5,000 and on Figure 4 and 5a at a scale of 1:1,000. Field notes taken by personnel record the nature and colour of soil sampled, depth of sample, slope, vegetation and any outcrop encountered in order that the data could be interpreted accordingly.

Threshold values for soils and silts were arbitrarily chosen for Au and Ag at 25 ppb and 0.7 ppm respectively. Threshold values for rocks were determined from the results of the geochemical work completed in 1983 on the **RANGER** claims. Only cherty sediments and basic volcanic host rocks are listed, since these are the only lithologies that provide a sufficiently large data population. The threshold values are:

	CHERTY SEDIMENTS	BASIC VOLCANICS
Au	60 ppb	30 ppm
Ag	1.0 ppm	1.0 ppm

For other rocks sampled threshold values were arbitrarily chosen for Au at 25 ppb and Ag at 0.7 ppm.

Analyses for elements other than gold and silver are listed in Appendix 1 and their location is obtained by referring to the sample numbers on Map 2 and Figures 4 and 5. As this prospect is being explored for its gold-silver potential, the other elements are only considered as possible indicators. In Appendix 1 symbols representing rock type are provided for the rock sample data.

5.2.1 **Soil Samples**

Three areas on the **RANGER** claims were found to be anomalous for both Au and Ag. These areas are 1. The Saddle and Adit Zone, 2. The North Ridge Zone and 3. The East Ridge Zone. Most of the other areas sampled show low or background values for these elements. The over-all values ranged from .1 to 5.3 ppm Ag and 1 to 17,600 ppb Au.

Examination of the data listed in the appendices shows numerous high values for several other elements. These high values are plotted on the geochemical maps and are denoted as Cu, Mn, Ni etc.

1. Saddle and Adit Zone (Figure 4 and Plate 1)

The Saddle Zone or trench area is located near the L.C.P. for the **RANGER** 1-4 claims and the Adit Zone is located approximately 200 m to the southeast. Both areas show massive and/or fracture-controlled tetrahedrite, arsenopyrite and stibnite mineralization. Soils are anomalous for Au and Ag over an area 50 m x 20 m and the values obtained range up to 3310 ppb Au and 21.6 ppm Ag. This maximum value was obtained from a soil sample taken immediately below the adit. Soil samples also showed elevated values for Cu, Pb, Ni, Mn, As, Sr, V and Ba.

Rock samples taken from mineralized float (Saddle) or lenses (Adit) were also anomalous in these elements as well as in Au and Ag. Brecciated and fractured chert and minor serpentinite are host to this type of mineralization.

2. North Ridge Zone

This zone is located on a north-south trending ridge in the northern part of the **LUCKY RANGER** claim. Soil samples which are anomalous in Au and Ag cover an area of 500 m x 50 m and their values range up to 17,600 ppb Au and 5.3 ppm Ag. These maximum values were obtained from follow-up soil samples taken on a detailed grid. Soil samples also showed elevated values for Cu, Zn, Ni, Cr and Ba. Rock samples taken from underlying bedrock were only anomalous in Au. The maximum values attained was 1410 ppb Au over 2 m. Several soil samples taken nearby ranged up to 2870 ppb Au and 1.8 ppm Ag. The underlying rock types associated with zone 2 are quartz-carbonate-mariposite altered ultramafics and slightly bleached feldspar porphyries. Minor chert and andesite are also present. Contour soil sampling on either side of the ridge returned only a few low-order Au anomalies. Results for Ag were all in the background range.

3. East Ridge Zone

This zone is located on a ridge 1000 m northeast of the adit area. Soil samples are anomalous for Au and Ag over a small area and range up to 955 ppb Au and 1.1 ppm Ag. Soil samples also showed elevated values for Ni & As. Rock samples from underlying bedrock showed only 'spotty' anomalous or low values for the elements analysed. Underlying rock types in this area are silicified cherts, andesites, and a thin (2 m) quartz-carbonate horizon. Several old trenches were seen in the latter unit. Results of contours soil sampling on either side of the ridge produced only one anomaly of 170 ppb Au. The sample was taken near the on strike extension of the quartz-carbonate horizon. One area of interest is a skarn zone about 2 m wide x 300 m long, located 1 km west of the adit. One soil sample ran 260 ppb Au and .1 ppm Ag; however, several rock chip samples taken from the skarn produced only background values in Au and Ag. All other areas sampled show only spotty anomalies for both Au and Ag and are considered to be too erratic for follow-up.

The results of the I.C.P. analyses have indicated that a number of elements, i.e. Cu, Pb, Zn, Ni, Mn, As, Sr, V, Cr and Ba, have elevated values for some soil samples. Most of these high values can be related to rock type i.e. high Cr, Ni for quartz-carbonate, high Cu for basic volcanics, high Mn for cherts, high As for fault zones etc.

5.2.2. **Silt Samples**

Silt samples were taken from four creeks on the property. The values for both Au and Ag were low and did not yield any targets. The values overall ranged from 4 to 30 ppb Au and .1 to .3 ppm Ag and samples taken from Steep Creek showed elevated values for Mn.

5.2.3 **Rock Samples**

Rock samples were generally taken over widths of 1/2 to 2 metres with emphasis on areas containing:

1. Tetrahedrite-arsenopyrite-stibnite mineralization as at the Adit and Saddle Zone. Rock samples from this zone have been described under soil sample results.

2. Quartz-carbonate zones as at the North and East Ridge Zones. These zones have also been described under soil sample results.

3. Skarn Mineralization. Six samples were taken from this zone. The values for both Au and Ag are low and did not yield any targets. The values for the other 28 elements analysed were also low and are not considered to be useful as indicators for Au and Ag.

4. Rhyolite Breccia. Six rock samples were taken from these rocks and the values returned for all elements analyzed were low and considered background.

Several rock samples were taken at random over the grid with emphasis on areas of silicification, quartz veins, cherts or andesites. Generally any area that had a rusty appearance was sampled. The results for these areas sampled showed low values for all 30 elements.

6.0 CONCLUSIONS

The **RANGER** claims cover siliceous sediments and volcanics of the Middle Triassic Fergusson Group at a point where they have been intruded by granodiorite, diorites and serpentinites. Gold mineralization is known to occur in veins in the Fergusson Group immediately south and north of the property.

It has been established that a section of cherty sediments, approximately 60-200 m thick, hosts scattered gold-bearing, and fractured-controlled, veins or lenses of tetrahedrite, arsenopyrite-stibnite mineralization. This mineralization is discontinuous over a distance of approximately 1 km. A new zone, located 2.5 km to the north of the main 'showings' is associated with a quartz-carbonate altered zone. No sulfide mineralization was seen in this zone. High gold values in both soils and rock are the common features.

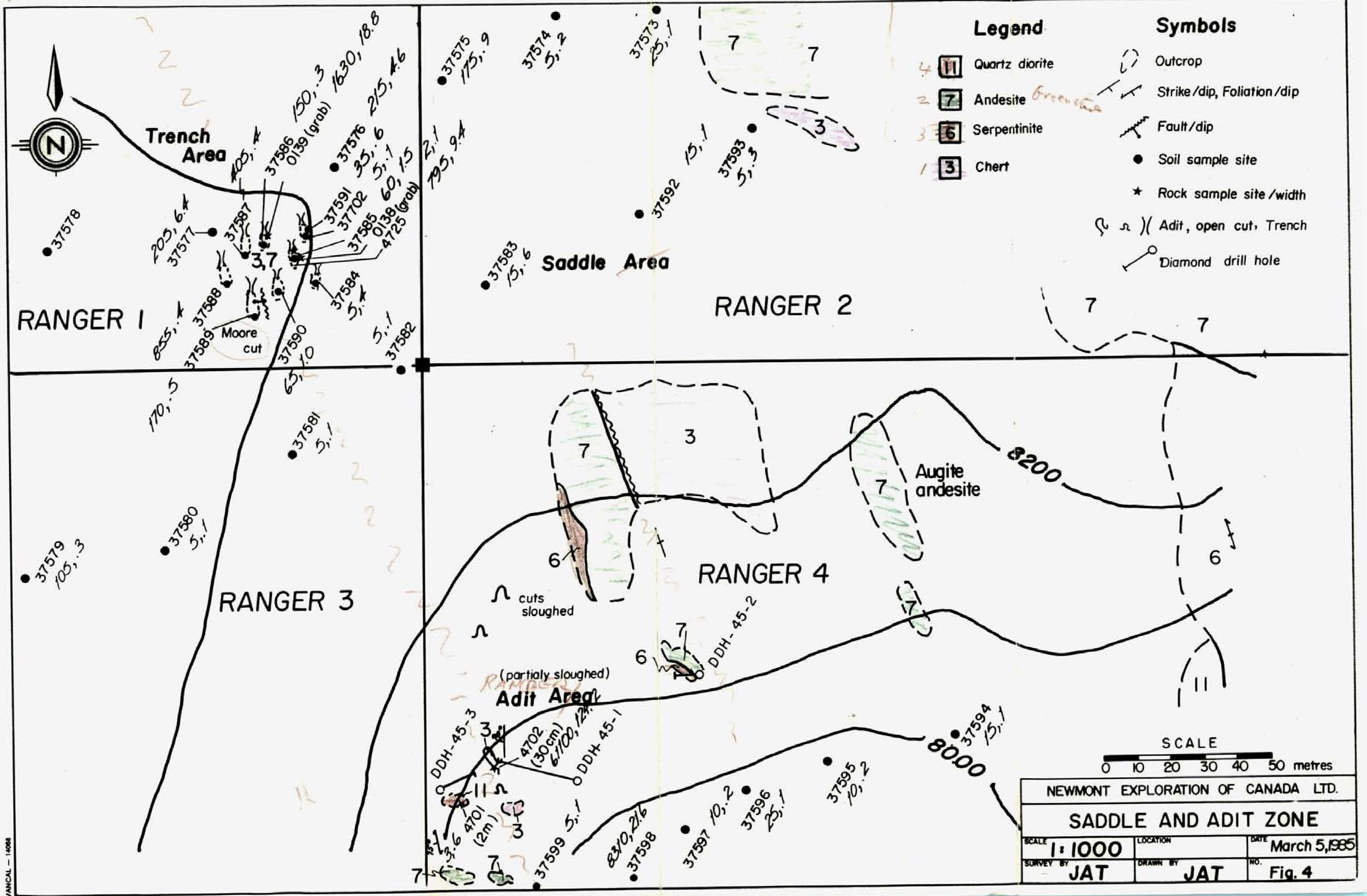
These gold zones occur in a prominent northwest-trending fault zone. Efforts in locating other zones within this fault were hampered by the presence of glacial moraine and snow-covered areas. At one location, off this trend, skarn mineralization was found, but from the limited sampling of it only low Au and Ag values were obtained. One other area of interest is a pyrite-bearing rhyolite breccia unit, where several rock chips, obtained from it showed only low Au and Ag were present.

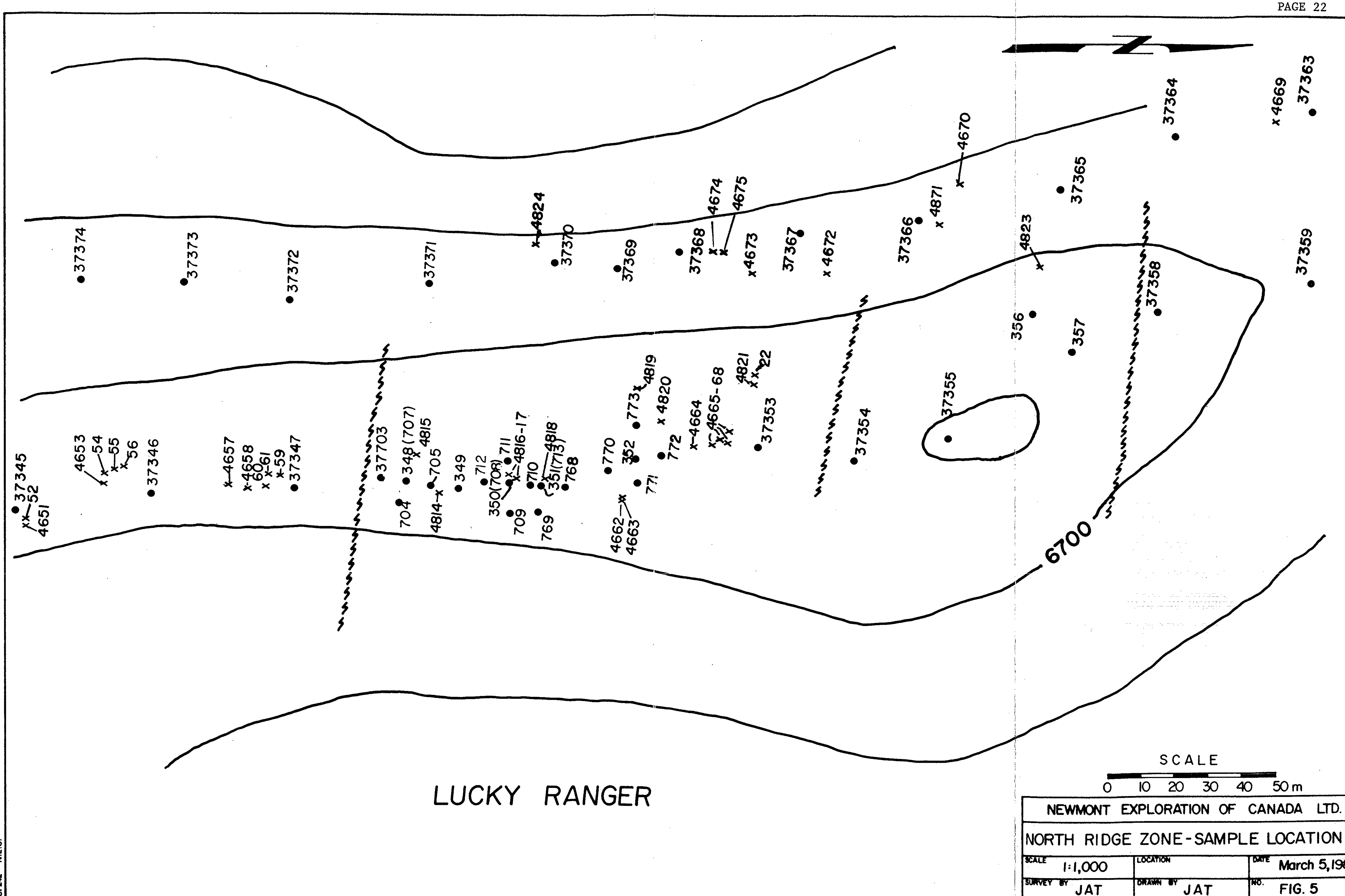
Efforts to locate airborne anomalies found on the **BEE** (now lapsed) claims was also hampered by overburden, however a close examination of the geophysics maps (Ass. R. #5761) indicates high magnetic values near zones underlain by serpentinites or quartz-carbonate (North Ridge Zone). The V.L.F. anomalies are probably related to fault zones.

7.0 RECOMMENDATIONS

The next stage of exploration on the **RANGER** should consist of work on the Adit, Saddle and North Ridge Zones. Work should also be done on the area separating these zones. This work should include the following

1. Geophysics, possibly VLF-EM and magnetometer.
2. Prospecting, soil and rock geochemistry.
3. Trenching and blasting.
4. Drilling would be contingent on the results of above.


Trench Area
Saddle Area
Adit Area
RANGER 1
RANGER 2
RANGER 3
RANGER 4
Moore cut
cuts sloughed
(partialy sloughed)
Augite andesite
DDH-45-1
DDH-45-2
DDH-45-3
8200
8000
Legend
11 Quartz diorite
7 Andesite
6 Serpentinite
3 Chert
Symbols
Outcrop
Strike/dip, Foliation/dip
Fault/dip
Soil sample site
Rock sample site/width
Adit, open cut, Trench
Diamond drill hole
SCALE
0 10 20 30 40 50 metres
NEWMONT EXPLORATION OF CANADA LTD.
SADDLE AND ADIT ZONE
SCALE 1:1000
DATE March 5,1985
SURVEY BY JAT
DRAWN BY JAT
NO. Fig. 4

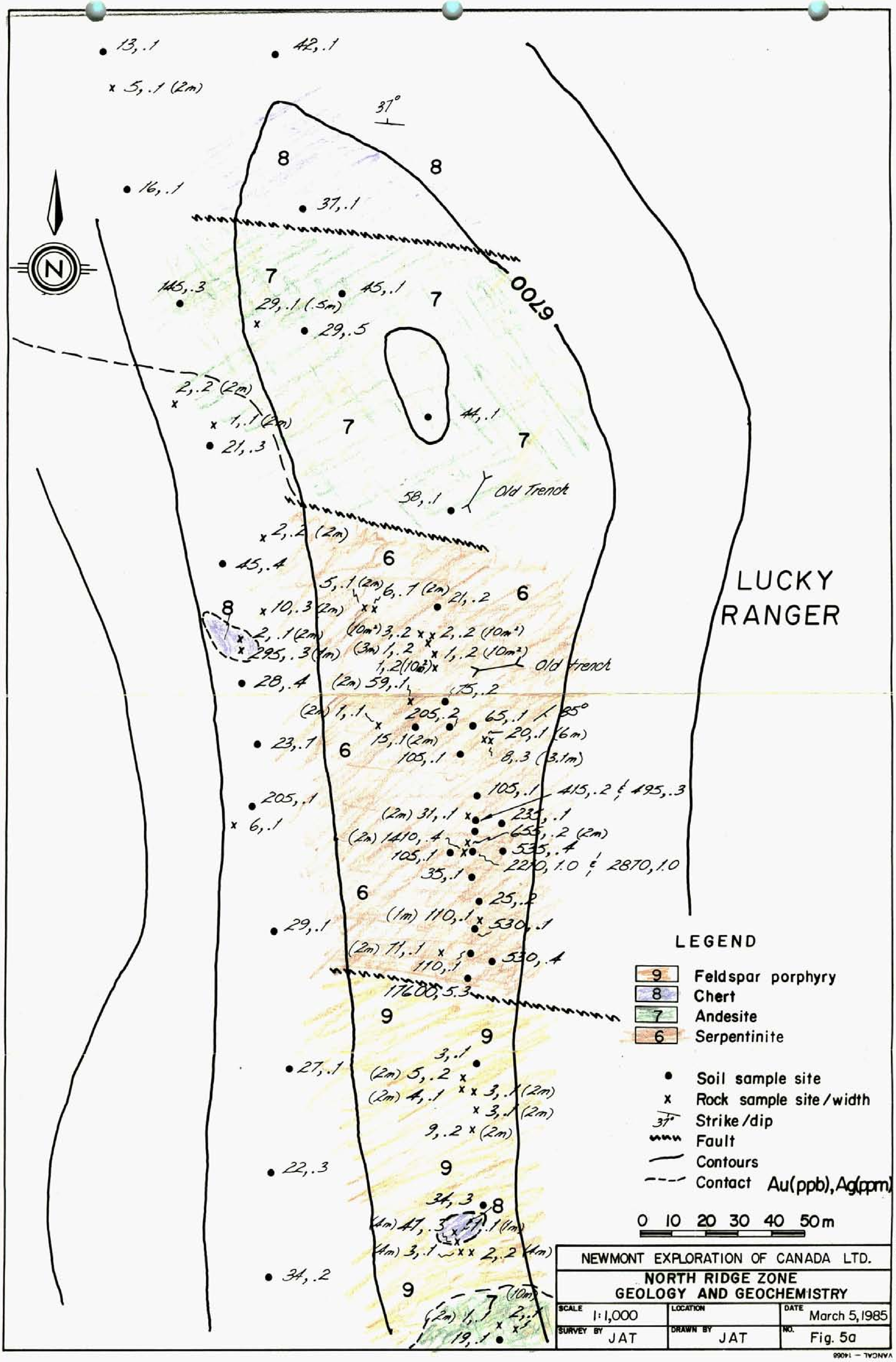


NEWMONT EXPLORATION OF CANADA LTD.

NORTH RIDGE ZONE-SAMPLE LOCATION

SCALE 1:1,000	LOCATION	DATE March 5,1985
SURVEY BY JAT	DRAWN BY JAT	NO. FIG. 5

NC1 242 - N.E.C.


LUCKY
RANGER
6700
LEGEND
9 Feldspar porphyry
8 Chert
7 Andesite
6 Serpentinite
Soil sample site
Rock sample site / width
Strike / dip
Fault
Contours
Contact
Au(ppb), Ag(ppm)
0 10 20 30 40 50m
NEWMONT EXPLORATION OF CANADA LTD.
NORTH RIDGE ZONE
GEOLOGY AND GEOCHEMISTRY
SCALE 1:1,000
LOCATION
DATE March 5, 1985
SURVEY BY JAT
DRAWN BY JAT
NO. Fig. 5a
Old Trench
Old trench
VANCAL — 14066

8.0 STATEMENT OF QUALIFICATIONS

J. A. TURNER

I, James A. Turner, residing at 14149 17 A Avenue, Surrey British Columbia, state that:

1. I have graduated from the University of British Columbia with a B.Sc. degree in physics with geology in 1973 and further academic work in geological sciences in 1976.

2. I have been employed by Newmont Exploration of Canada Limited, Vancouver, British Columbia as a Project Geologist since 1980.

3. I am a member of the Geological Association of Canada (Cordilleran Section).

4. I supervised the exploration project at the **RANGER** property during August 5 to September 5, 1984.

PROFESSIONAL
PROVINCE OF
T. N. MACAULEY
BRITISH COLUMBIA
ENGINEER

J. A. Turner, B.Sc.

I, Terrence N. Macauley, do hereby certify that the work described in this report was done under my direction.

T. N. Macauley, P.Eng.

9.0 STATEMENT OF COSTS

1. LABOUR

Project Geologist

1. Aug. 7-23, 26-30, 1984
   Feb. 5-8, 12,13,15,18,19,25,26,28, 1985
   Mar. 1, 4-6, 1985

   38 days @ $125.00 = $4,750.00

2. Sept 15-16, 1984

   2 days @ $137.50 = $ 275.00

Senior Assistant
(Geologist)

Aug. 7-23, 26-30, 1984
Sept 15, 16, 1984

24 days @ $97.50 = $2,340.00

Junior Assistants

1. Aug. 7-23, 26-30, 1984

   22 days @ $82.50 = $1,815.00

2. Aug. 7-23, 26-30, 1984

   22 days @ $72.50 = $1,595.00

3. Sept 15-16, 1984

   2 days @ $80.00 = $ 160.00

4. Sept 15-16, 1984

   2 days @ $80.00 = $ 160.00

Draftsman

Feb 25, 26, 28, 1985
Mar 1, 1985

4 days @ $96.75 = $ 387.00

TOTAL LABOUR $11,482.00

2. FOOD & ACCOMMODATION, CAMP COSTS

a)	Camp	88 man-days @ $45.00 =	$3,960.00	
b)	Hotel	18 man-days @ $33.19 =	$ 597.42	
				$ 4,557.42

3. TRANSPORTATION

a)	4 WD Truck + Gas	6 days @ $65.00 =	$ 390.00	
b)	Truck Rental + Gas	3 days @ $45.00 =	$ 135.00	
c)	Helicopter inc. fuel	8.6 hrs @ $474.71 =	$4082.51	
				$ 4,607.51

4. ASSAYS

Soil and Silt

280 30 el. ICP + Au (AA) @ $11.85 =	$3,318.00	
171 30 el. ICP + Au (FA+AA) @ $13.75 =	$2,265.75	

Rock

139 30 el. ICP + Au (FA+AA) @ $14.25 =	$1,980.75	
		$ 7,564.50

5. FIELD SUPPLIES, SAMPLE SHIPPING	$ 300.00
6. REPORT TYPING, MAP REPRODUCTIONS	$ 500.00
	$29,096.93

The cost of this work is apportioned as follows:

Lucky Ranger claim	$ 6,838.60
Ranger Group (Ranger 1-4 claims)	$22,258.33

10.0 REFERENCES

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Plate 1 View of Adit and Saddle Zone looking north. Note Six Mile Creek in right foreground

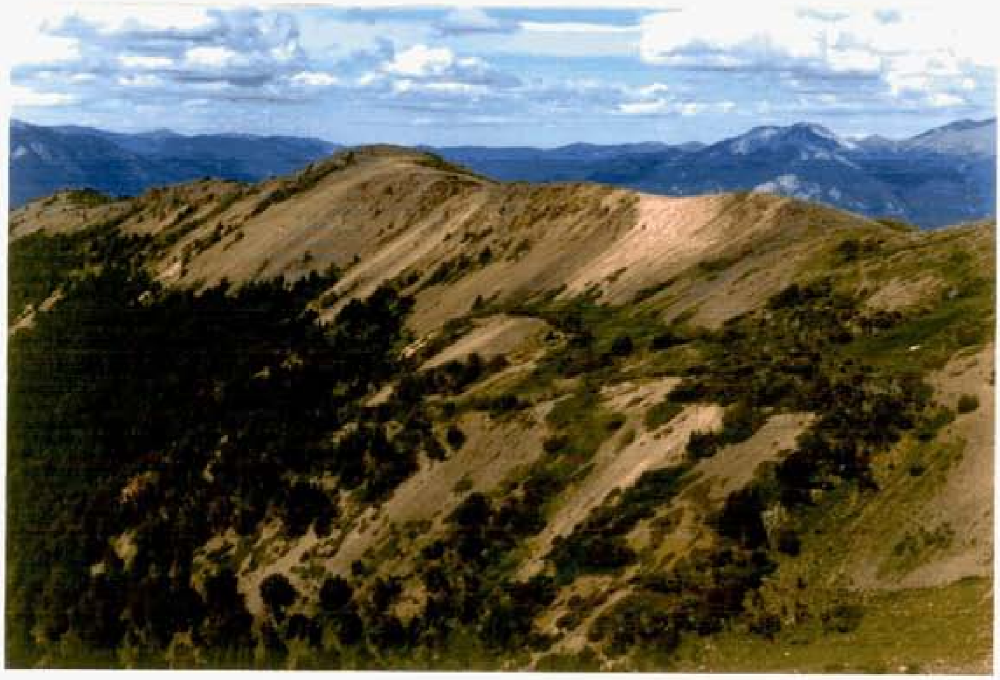


Plate 2 North Ridge Zone - looking northeast

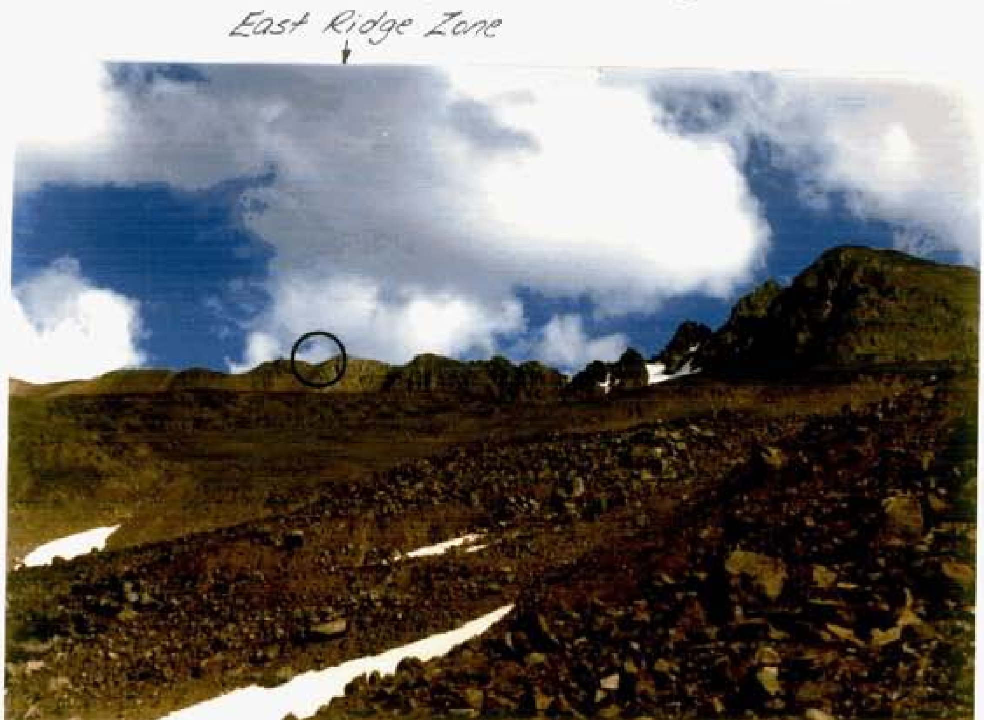


Plate 3 East Ridge Zone - looking southeast.
Note anticlinal structure

Plate 4 Rhyolite breccia - note pyritic matrix

APPENDIX 1

SOIL, SILT AND ROCK SAMPLE
ICP GEOCHEMICAL RESULTS

NOTE: For a description of rock type corresponding to rock sample number see the Geology Map No. 1 in the back pocket of this report.

ICP GEOCHEMICAL ANALYSIS

all values in ppm unless otherwise indicated

Sample No.	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe %	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca %	P %	La	Cr	Mg %	Ba	Ti %	B	Al %	Na %	K %	W	Au ppb
37120	3	106	12	115	.2	137	33	1460	5.75	131	5	ND	2	41	1	6	2	83	.77	.11	14	113	1.76	309	.13	17	2.88	.03	.11	2	11
37121	3	117	6	112	.4	136	33	1628	6.09	90	5	ND	2	54	1	6	2	78	1.03	.12	10	117	1.80	154	.14	26	2.86	.02	.18	2	3
37122	10	107	21	166	.8	212	49	3796	5.58	493	5	ND	2	173	4	16	2	38	.48	.27	27	35	.14	857	.01	22	.55	.01	.09	3	48
37123	3	74	20	138	.3	82	24	2662	5.43	121	5	ND	2	21	1	4	2	43	.34	.10	20	54	.75	216	.03	26	1.40	.02	.12	2	3
37124	2	93	9	121	.2	89	31	1904	6.64	56	5	ND	2	47	1	2	2	104	1.21	.14	14	91	2.02	139	.19	33	3.37	.02	.09	2	2
37125	2	132	9	136	.1	80	32	2149	7.76	49	5	ND	2	49	1	2	2	83	1.16	.10	11	80	1.87	110	.23	28	3.40	.02	.26	2	2
37126	1	77	6	105	.1	75	26	1626	5.41	51	5	ND	2	38	1	2	2	91	.79	.13	11	71	1.54	80	.18	16	2.81	.02	.13	2	5
37127	1	86	6	102	.2	76	24	1440	5.68	31	5	ND	2	47	1	3	2	87	.90	.09	10	73	1.67	87	.19	27	2.77	.02	.14	2	2
37128	2	87	16	112	.4	88	39	2283	7.48	1316	5	2	2	52	1	22	2	74	.83	.14	12	53	1.07	157	.05	18	1.72	.01	.13	2	1810
37129	2	100	9	105	.2	68	29	2174	7.22	98	5	ND	2	44	1	4	2	105	.93	.13	15	72	1.96	135	.14	32	3.00	.03	.14	2	52
37130	2	67	12	101	.3	65	17	971	4.77	186	7	ND	2	18	1	26	2	67	.15	.12	13	59	.81	140	.07	22	2.03	.02	.12	2	44
37131	2	53	5	66	.2	64	13	321	3.77	81	5	ND	2	15	1	33	2	55	.15	.09	11	61	.90	103	.06	10	2.29	.02	.08	2	14
37132	5	65	25	112	.7	57	14	994	5.00	762	7	ND	2	23	1	626	2	69	.11	.10	15	57	.74	137	.07	9	1.91	.02	.14	2	135
37133	3	63	11	110	.2	64	17	2531	4.43	100	7	ND	2	23	1	18	2	76	.17	.14	11	71	.94	151	.10	19	3.35	.02	.13	2	7
37134	1	68	14	105	.1	81	22	699	5.00	132	5	ND	3	44	1	44	2	99	.47	.11	14	112	1.31	155	.19	22	2.32	.07	.28	2	16
37135	3	88	12	113	.1	72	17	895	5.09	182	5	ND	3	27	1	53	2	63	.17	.07	16	59	.73	154	.06	10	1.79	.02	.12	2	20
37136	4	175	26	267	.4	73	19	2002	13.09	272	5	ND	2	12	1	36	2	49	.06	.23	15	30	.40	119	.01	12	1.51	.01	.08	2	56
37137	3	82	17	139	.6	78	19	1195	5.08	122	5	ND	2	29	1	26	2	72	.18	.14	16	69	1.06	179	.07	11	2.10	.03	.16	2	19
37138	6	156	38	317	.7	86	26	623	7.95	531	6	ND	2	31	1	18	2	43	.06	.13	28	27	.25	302	.01	14	1.07	.02	.12	2	53
37139	2	69	7	110	.1	88	29	2012	7.28	60	5	ND	2	20	1	3	2	90	.74	.16	18	61	1.01	319	.04	18	2.54	.02	.14	2	14
37140	2	98	10	112	.1	79	30	1594	6.65	93	5	ND	2	35	1	5	2	105	.80	.13	16	75	2.33	115	.22	18	3.23	.03	.14	2	37
37141	1	103	11	115	.1	71	36	1901	8.42	91	5	ND	2	26	1	8	2	79	.52	.17	16	45	.64	104	.02	25	1.52	.02	.15	2	15
37142	2	99	8	126	.1	78	27	1792	6.51	51	5	ND	2	44	1	2	2	98	.90	.12	14	83	1.83	115	.23	20	3.48	.02	.13	2	6
37143	1	73	11	107	.1	77	21	1268	5.20	47	5	ND	2	41	1	2	2	88	.76	.13	14	75	1.44	109	.16	17	2.75	.03	.08	2	4
37144	1	76	5	91	.1	84	24	1146	5.27	34	5	ND	2	31	1	3	2	94	.76	.08	13	86	1.42	102	.27	19	2.39	.03	.12	2	10
37145	2	98	7	111	.1	105	34	1924	7.12	36	5	ND	2	30	1	3	2	106	.89	.11	17	105	1.63	160	.18	22	2.61	.02	.11	2	5
37146	2	36	8	76	.1	57	13	557	3.69	28	5	ND	2	24	1	2	2	90	.29	.12	11	58	.82	74	.16	9	1.33	.05	.10	2	1
37147	1	58	6	78	.1	82	19	802	4.35	37	5	ND	2	24	1	7	2	75	.31	.12	13	82	1.27	114	.11	11	2.73	.03	.13	2	15
37148	2	86	8	99	.1	94	24	759	5.82	68	5	ND	2	20	1	15	2	81	.29	.11	12	87	1.39	126	.12	14	2.58	.02	.15	2	9
37149	2	77	11	98	.1	84	20	849	5.00	118	5	ND	2	20	1	25	2	69	.17	.13	15	78	1.11	199	.08	11	2.54	.02	.13	2	15
37150	1	107	4	67	.1	60	21	498	4.77	19	5	ND	2	90	1	5	2	178	.83	.17	8	69	2.02	161	.21	7	3.33	.20	.34	2	1
37151	1	45	9	93	.2	57	15	834	4.11	49	5	ND	2	26	1	7	2	80	.39	.13	11	59	.82	140	.09	10	1.97	.03	.08	2	3
37152	3	69	15	110	.3	47	11	590	4.38	141	5	ND	2	28	1	16	3	77	.14	.11	14	50	.69	141	.04	9	2.11	.03	.10	2	38
37153	4	91	19	168	.5	73	14	543	5.01	209	7	ND	3	31	1	24	2	58	.13	.11	17	50	.68	134	.03	8	2.00	.02	.12	2	27
37154	2	35	10	68	.2	39	11	1034	3.09	50	5	ND	2	27	1	12	2	67	.22	.14	11	43	.62	116	.08	7	1.57	.04	.08	2	6
37155	1	87	13	94	.2	75	23	772	4.95	125	5	ND	3	33	1	25	2	92	.31	.12	11	77	1.13	140	.12	10	2.74	.05	.20	2	17
37156	1	42	11	65	.1	56	14	432	3.87	47	5	ND	2	32	1	9	2	95	.34	.12	8	72	1.12	105	.11	9	2.86	.05	.10	2	9

Sample No.	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe %	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca %	P %	La	Cr	Mg %	Ba	Ti %	B	Al %	Na %	K %	W	Au ppb
all values in ppm unless otherwise indicated																															
37157	2	37	9	64	.1	45	9	539	3.37	51	5	ND	2	29	1	2	2	69	.28	.12	10	70	.87	110	.07	2	2.27	.02	.07	2	12
37158	1	48	6	77	.1	47	15	524	4.15	113	5	ND	2	20	1	4	2	95	.22	.13	7	60	1.01	123	.04	2	2.93	.03	.08	2	9
37159	2	69	10	112	.1	73	25	1021	4.93	97	5	ND	2	31	1	7	2	99	.33	.13	7	101	1.35	596	.12	2	2.83	.03	.20	2	13
37160	3	77	11	113	.1	81	31	1984	5.08	75	5	ND	2	22	1	3	2	81	.17	.14	8	72	1.10	197	.09	2	2.66	.03	.14	2	12
37161	2	44	9	72	.2	58	16	1244	3.61	40	5	ND	2	28	1	4	2	67	.31	.15	11	66	.93	208	.07	2	2.00	.03	.09	2	8
37162	1	56	2	85	.1	80	19	1091	4.16	44	5	ND	2	24	1	3	2	78	.31	.13	7	88	1.25	128	.10	2	2.66	.03	.13	2	10
37163	2	22	5	46	.1	33	7	405	2.76	20	5	ND	2	18	1	2	2	73	.19	.10	8	47	.54	81	.09	2	1.55	.03	.06	2	6
37164	2	34	11	72	.1	52	11	1085	3.74	42	5	ND	2	21	1	2	2	90	.17	.12	6	78	.86	116	.08	10	2.12	.02	.07	2	5
37165	1	11	5	31	.1	15	5	278	1.90	9	5	ND	2	19	1	2	2	58	.21	.10	6	19	.26	52	.10	9	.92	.05	.03	2	1
37166	1	42	10	86	.1	72	14	1249	3.69	50	5	ND	2	24	1	2	3	77	.27	.12	6	102	1.24	131	.06	2	2.53	.02	.06	2	4
37167	1	14	5	43	.1	22	7	329	2.57	11	5	ND	2	23	1	2	2	82	.25	.09	6	26	.31	62	.14	2	.83	.06	.04	2	1
37168	1	67	8	88	.1	123	22	1075	4.40	95	5	ND	2	21	1	2	2	78	.35	.13	6	137	1.85	98	.10	2	2.63	.02	.11	2	13
37169	1	74	11	87	.1	69	23	1388	5.31	47	5	ND	2	29	1	2	2	90	.52	.14	9	71	1.42	112	.11	2	2.46	.02	.11	2	7
37170	1	86	9	84	.1	68	26	1060	5.89	54	5	ND	2	28	1	2	2	78	.66	.08	6	65	1.33	95	.08	2	2.32	.02	.11	2	12
37171	1	85	5	98	.1	68	25	1110	5.80	40	5	ND	2	29	1	2	3	98	1.14	.11	6	68	1.76	70	.24	21	2.82	.02	.14	2	5
37172	1	66	5	81	.1	57	18	890	4.19	30	5	ND	2	29	1	2	3	88	.71	.13	8	57	1.17	71	.19	17	1.98	.04	.14	2	4
37173	1	70	7	87	.1	74	20	960	4.26	36	5	ND	2	30	1	2	2	86	.67	.12	6	70	1.43	89	.18	2	2.21	.03	.14	2	4
37174	1	91	7	90	.1	91	23	1132	5.04	48	5	ND	2	42	1	2	2	85	.69	.11	10	97	1.77	107	.14	2	2.65	.02	.13	2	7
37175	1	82	12	105	.1	79	24	1151	5.47	56	5	ND	2	30	1	2	2	83	.69	.12	9	73	1.52	111	.15	11	2.28	.02	.15	2	5
37176	1	87	4	97	.2	87	23	1076	5.28	41	5	ND	2	42	1	2	2	75	.77	.10	6	79	1.69	109	.15	12	2.43	.02	.13	2	5
37177	2	70	15	97	.1	88	22	1180	4.55	151	5	ND	2	30	1	2	2	62	.36	.12	12	83	1.12	162	.07	10	2.06	.02	.11	2	4
37178	2	33	10	68	.1	54	14	690	3.52	38	5	ND	2	37	1	2	2	90	.48	.15	9	56	.87	149	.15	13	1.44	.04	.07	2	3
37179	2	64	12	98	.1	114	20	983	4.44	115	5	ND	2	31	1	3	2	76	.38	.15	9	124	1.58	179	.08	2	2.41	.02	.10	2	14
37180	2	62	10	99	.2	94	15	848	4.15	105	5	ND	2	25	1	2	3	62	.18	.13	8	89	1.01	155	.03	2	1.78	.02	.08	2	17
37181	2	80	11	104	.4	147	27	1463	5.70	265	5	ND	3	25	1	2	2	109	.32	.13	9	165	2.66	124	.11	12	3.24	.02	.14	2	10
37182	2	60	11	92	.2	118	19	1131	4.09	168	5	ND	2	29	1	4	2	69	.22	.13	12	116	1.45	159	.09	12	1.92	.04	.15	2	14
37183	6	143	19	196	.6	139	21	846	5.69	293	5	ND	4	37	1	10	2	57	.14	.11	18	104	1.16	274	.04	2	1.63	.02	.18	2	14
37184	2	21	3	58	.1	35	10	413	3.14	27	5	ND	2	17	1	2	2	83	.15	.07	6	42	.60	66	.14	8	1.22	.04	.05	2	1
37185	2	25	7	56	.1	36	13	1277	3.01	29	5	ND	2	22	1	2	2	76	.18	.07	6	44	.57	99	.10	2	1.28	.04	.04	2	2
37186	2	27	10	73	.1	66	12	660	3.80	58	5	ND	2	25	1	7	2	75	.28	.11	5	80	.87	84	.07	2	1.68	.02	.05	2	1
37187	2	21	10	59	.1	37	10	616	2.85	22	5	ND	2	17	1	2	3	73	.15	.07	5	46	.56	65	.11	2	1.42	.03	.04	2	1
37188	2	35	8	65	.1	85	12	465	3.65	38	5	ND	2	18	1	2	3	77	.18	.09	6	92	1.29	92	.10	8	1.94	.03	.05	2	6
37189	1	61	6	86	.1	186	25	703	4.87	91	5	ND	2	12	1	7	2	82	.21	.07	5	186	2.48	94	.11	13	2.83	.02	.07	2	13
37190	2	71	18	140	.1	152	18	872	5.33	132	5	ND	2	14	1	2	2	72	.08	.08	4	130	1.24	93	.02	2	1.93	.02	.06	2	37
37191	1	42	8	79	.1	86	14	923	3.95	73	5	ND	2	19	1	2	2	83	.14	.09	6	111	1.11	107	.05	2	2.19	.02	.05	2	11
37192	2	75	11	102	.1	178	19	908	5.04	96	5	ND	2	22	1	2	2	79	.25	.10	7	168	1.70	135	.03	2	2.19	.02	.06	2	10
37193	1	49	7	102	.1	129	17	910	4.91	65	5	ND	2	17	1	2	2	106	.19	.11	6	161	1.73	96	.10	8	2.48	.02	.07	2	9

Sample No. all values in ppm unless otherwise indicated	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe %	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca %	P %	La	Cr	Mg %	Ba	Ti %	B	Al %	Na %	K %	W	Au ppb
37194	1	32	9	70	.1	96	14	600	3.81	36	5	ND	2	16	1	2	2	100	.18	.08	7	90	1.20	62	.14	2	1.49	.03	.04	[illegible]	[illegible]
37195	1	37	7	74	.1	75	12	653	3.83	50	5	ND	2	18	1	2	2	87	.16	.10	7	87	1.03	95	.09	2	1.70	.03	.04	2	6
37196	2	53	8	93	.2	118	22	1225	4.75	82	5	ND	2	14	1	2	2	81	.11	.12	6	122	1.28	84	.05	2	2.21	.02	.05	2	3
37197	1	46	11	87	.2	79	14	993	4.79	96	5	ND	2	22	1	2	2	87	.18	.09	7	98	.80	129	.03	2	1.88	.02	.05	2	6
37198	1	43	10	105	.1	73	15	882	5.22	102	5	ND	2	26	1	2	2	89	.30	.11	6	74	.64	170	.01	2	1.59	.02	.07	2	12
37199	2	57	11	115	.1	88	18	1090	5.55	120	5	ND	2	29	1	2	2	82	.33	.12	3	74	.61	163	.01	2	1.39	.02	.07	2	5
37307	5	49	7	129	.2	749	40	1049	5.83	195	5	ND	3	21	1	9	2	122	.88	.09	13	807	7.61	43	.01	4	5.28	.01	.01	2	1
37308	3	86	15	102	.2	192	35	1861	5.10	106	5	ND	2	40	1	3	2	68	.46	.14	12	209	2.26	137	.04	2	2.69	.02	.08	2	28
37309	1	97	9	86	.9	244	43	1580	6.23	1136	5	ND	2	43	1	17	2	103	.73	.12	6	223	3.51	130	.06	9	3.11	.02	.13	2	955
37310	2	113	12	114	.4	229	46	2443	6.55	265	5	ND	2	40	1	8	2	106	.48	.15	10	209	2.66	127	.07	2	3.06	.02	.08	2	185
37311	2	83	11	98	.1	434	45	1695	5.54	136	5	ND	2	30	1	7	2	93	.52	.12	5	423	3.51	116	.08	18	3.07	.01	.14	2	32
37312	12	117	30	121	1.1	79	14	625	5.11	492	5	ND	5	51	1	22	2	51	.05	.09	21	68	.58	367	.02	5	1.05	.01	.35	2	25
37313	4	89	17	136	.2	126	24	2563	6.07	342	5	ND	2	27	1	5	2	62	.17	.15	12	117	1.42	153	.04	3	2.35	.01	.13	2	8
37314	3	90	10	129	.1	105	23	1946	5.70	1712	9	ND	2	25	1	16	2	57	2.56	.13	13	69	.79	180	.01	16	.99	.01	.15	2	7
37315	1	198	13	179	.2	136	55	1798	7.34	113	5	ND	2	34	1	2	2	82	.51	.14	19	89	1.05	295	.08	3	2.10	.03	.13	2	5
37316	3	62	15	150	.1	112	19	1295	4.94	253	5	ND	2	54	1	6	2	22	.34	.14	15	28	.36	212	.01	2	.68	.01	.13	2	5
37317	2	90	9	116	.1	135	37	1608	7.83	922	5	ND	2	26	1	62	2	83	.61	.18	11	73	.64	206	.01	27	1.22	.01	.15	5	1
37318	2	74	5	115	.1	324	38	1134	5.93	195	5	ND	2	29	1	4	2	75	.60	.11	10	260	2.75	195	.09	15	2.37	.02	.09	2	2
37319	2	70	7	110	.1	182	25	978	5.04	183	5	ND	2	30	1	6	2	74	.38	.14	9	160	1.90	168	.06	2	2.12	.02	.12	2	2
37320	1	33	6	60	.1	76	13	542	3.01	64	5	ND	2	31	1	2	2	63	.41	.10	8	61	.88	112	.09	5	1.21	.03	.07	2	1
37321	1	67	7	88	.1	144	24	895	4.83	95	5	ND	2	25	1	2	2	85	.69	.13	7	124	2.16	127	.13	11	2.66	.02	.09	2	5
37322	2	38	7	65	.1	63	15	1068	3.16	100	5	ND	2	30	1	2	2	54	.27	.11	7	66	.82	120	.06	2	1.33	.03	.07	2	6
37323	2	65	16	115	.1	95	23	2278	4.83	158	5	ND	2	21	1	2	3	69	.18	.12	10	95	1.26	170	.08	5	2.20	.02	.10	2	5
37324	2	77	15	135	.1	81	21	2306	5.51	147	5	ND	2	21	1	2	2	51	.16	.09	14	55	.82	236	.04	3	1.61	.02	.10	2	8
37325	2	72	9	100	.3	114	17	604	4.43	171	5	ND	2	18	1	5	2	62	.13	.06	11	95	1.27	136	.07	4	2.22	.01	.07	2	4
37326	2	80	14	143	.1	93	22	2262	5.18	152	5	ND	2	22	1	2	2	67	.22	.11	11	77	1.10	278	.07	2	2.28	.02	.11	2	3
37327	2	165	26	196	.3	88	24	1871	6.67	229	5	ND	2	49	1	3	3	51	.24	.16	26	58	.74	1535	.03	6	1.60	.02	.15	2	1
37328	1	197	20	167	.5	83	21	948	4.65	122	5	ND	2	27	1	3	2	50	.13	.10	30	44	.44	309	.02	3	1.38	.01	.11	2	1
37329	1	77	14	118	.1	49	18	2109	4.75	86	5	ND	2	19	1	2	2	42	.11	.11	9	31	.49	215	.02	2	1.78	.02	.10	2	2
37330	1	32	9	72	.1	37	11	1165	3.01	55	5	ND	2	23	1	2	2	55	.17	.11	8	36	.48	148	.06	2	1.21	.03	.06	2	3
37331	2	36	9	85	.1	42	12	1514	3.54	60	5	ND	2	20	1	2	2	62	.14	.12	10	42	.59	162	.07	2	1.61	.03	.06	2	2
37332	3	53	16	106	.2	47	16	2697	3.86	88	10	ND	2	18	1	2	2	60	.08	.11	8	50	.56	171	.06	2	1.70	.02	.08	2	2
37333	1	57	10	102	.1	72	18	1612	4.03	74	5	ND	2	44	1	2	3	68	.53	.17	10	66	.92	216	.07	5	1.94	.03	.11	2	1
37334	1	73	4	101	.1	135	30	1108	6.16	13	6	ND	2	33	1	2	3	116	1.87	.08	3	149	3.02	60	.43	24	3.93	.03	.06	2	1
37335	1	78	2	130	.1	111	31	1155	6.90	18	5	ND	2	28	1	2	2	125	2.21	.09	4	159	2.31	68	.42	6	4.49	.02	.09	2	1
37336	1	73	7	120	.1	92	26	1954	5.66	63	5	ND	2	37	1	2	4	101	.75	.12	5	118	1.69	138	.20	8	3.13	.02	.11	2	2
37337	2	74	34	111	.1	124	29	1519	5.91	48	5	ND	2	33	1	2	2	110	.93	.10	4	158	2.41	117	.24	2	3.56	.02	.10	2	4

Sample No.	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe %	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca %	P %	La	Cr	Mg %	Ba	Ti %	B	Al %	Na %	K %	W	Au ppb
all values in ppm unless otherwise indicated																															
37338	1	72	9	108	.1	88	25	1178	5.79	27	5	ND	2	22	1	2	4	101	.92	.08	6	108	1.87	92	.33	2	3.35	.02	.13	2	2
37339	1	98	7	113	.1	97	27	1037	6.47	18	5	ND	2	36	1	2	4	105	1.33	.06	10	120	1.81	77	.36	2	3.47	.02	.12	2	3
37340	1	92	11	126	.1	116	36	1439	7.23	5	5	ND	2	35	1	2	2	93	1.47	.11	9	161	2.33	82	.06	15	3.73	.02	.11	2	1
37341	2	133	8	181	.1	101	34	1426	9.20	9	5	ND	2	31	1	2	3	98	1.45	.12	12	103	1.88	84	.25	7	4.43	.02	.09	2	3
37342	1	103	5	136	.1	84	27	1508	7.88	11	5	ND	2	31	1	2	2	99	1.31	.10	11	86	1.24	123	.32	6	3.32	.02	.14	2	6
37343	1	109	10	132	.1	62	32	1952	7.61	8	5	ND	2	24	1	2	2	99	.74	.10	14	46	1.34	102	.22	2	3.39	.01	.15	2	5
37344	1	20	7	46	.1	41	9	565	2.51	17	5	ND	2	23	1	2	2	60	.26	.07	7	38	.46	70	.10	9	.97	.06	.06	2	2
37345	2	102	19	128	.1	106	27	2780	6.89	132	5	ND	2	31	1	3	2	107	.37	.09	9	74	.95	160	.04	2	1.75	.02	.09	2	19
37346	2	48	14	108	.3	58	18	1762	5.25	121	5	ND	2	32	1	2	2	69	.38	.07	9	47	.55	199	.01	2	1.14	.03	.06	2	34
37347	1	26	8	104	.1	16	8	983	3.13	10	12	ND	2	73	2	2	2	33	4.51	.06	8	10	.20	91	.01	2	.57	.02	.04	2	3
37348	1	89	11	122	.1	122	32	2350	8.90	114	5	ND	2	26	1	3	2	141	.74	.09	4	95	1.28	190	.02	2	2.09	.03	.09	2	38
37349	2	71	13	107	.2	64	17	1739	5.43	103	5	ND	2	34	1	2	2	69	.37	.07	6	46	.27	198	.01	2	.99	.02	.05	2	25
37350	1	104	8	134	1.0	108	46	2086	11.07	2240	5	2	2	22	1	73	2	128	.45	.04	3	68	.40	262	.01	2	1.11	.01	.08	5	2870
37351	2	88	11	126	.3	143	32	1676	8.56	693	5	ND	2	25	1	18	2	138	.36	.07	6	115	1.11	242	.01	2	2.52	.02	.05	2	495
37352	4	119	18	133	.2	173	33	3701	8.04	284	5	ND	2	29	1	14	2	129	.42	.09	12	128	1.37	139	.03	2	2.00	.02	.10	2	205
37353	2	67	8	93	.2	93	31	2336	6.85	90	5	ND	2	52	1	3	2	142	.54	.21	16	89	1.30	315	.01	2	1.77	.01	.06	2	21
37354	5	135	16	194	.1	160	26	1115	6.73	122	5	ND	2	27	1	4	2	85	.15	.08	13	94	.92	188	.03	2	1.59	.01	.09	2	58
37355	5	86	15	146	.1	457	36	1260	5.68	103	5	ND	2	23	1	4	2	80	.13	.07	10	392	2.64	163	.01	2	1.88	.01	.06	2	44
37356	10	238	25	226	.5	232	19	433	5.69	107	5	ND	2	65	1	5	2	44	.08	.04	7	60	.35	237	.01	2	.63	.01	.08	2	29
37357	2	96	10	132	.1	253	31	1914	6.55	104	5	ND	2	26	1	4	2	95	.31	.06	10	150	1.07	156	.04	3	1.49	.02	.07	2	45
37358	2	72	12	111	.1	149	23	1426	4.73	54	5	ND	2	30	1	3	2	88	.32	.12	8	95	1.12	125	.09	8	1.89	.03	.08	2	37
37359	2	88	12	113	.1	307	32	1612	6.79	101	5	ND	2	23	1	12	2	99	.29	.05	9	237	1.54	145	.02	2	1.90	.02	.07	2	42
37360	2	59	11	96	.1	166	21	898	4.84	69	5	ND	2	16	1	14	2	87	.14	.08	6	124	1.04	121	.05	2	1.85	.02	.05	2	26
37361	1	108	11	99	.1	144	39	2543	8.65	50	5	ND	2	28	1	14	2	115	.70	.08	8	125	1.21	121	.01	2	2.22	.05	.07	2	8
37362	1	81	10	96	.1	158	29	1506	6.36	90	5	ND	2	41	1	37	2	104	1.81	.07	4	141	1.21	124	.01	2	1.49	.04	.07	2	20
37363	1	58	5	82	.1	157	23	1038	5.02	47	5	ND	2	23	1	11	2	84	.35	.05	5	140	1.25	109	.05	6	1.65	.06	.08	2	13
37364	2	74	10	95	.1	410	30	1033	4.66	70	5	ND	2	20	1	4	2	57	.14	.05	6	270	1.27	137	.02	2	1.03	.02	.06	2	16
37365	2	81	12	121	.3	459	31	1167	5.48	125	5	ND	2	24	1	5	2	53	.17	.06	5	216	2.51	169	.01	10	.84	.02	.08	2	145
37366	6	107	17	167	.3	603	41	1242	5.64	288	5	ND	2	32	1	4	2	49	.34	.05	5	240	1.99	183	.01	2	.74	.01	.09	2	21
37367	11	154	17	248	.4	155	22	1356	6.03	95	5	ND	2	38	1	4	2	37	.20	.09	11	42	.29	267	.01	5	.46	.01	.09	2	45
37368	4	240	17	192	.4	97	26	1438	5.73	115	5	ND	2	43	1	2	2	37	.24	.08	14	26	.30	300	.01	2	.49	.01	.12	2	28
37369	16	193	37	296	.7	140	26	1883	7.32	99	5	ND	2	65	1	2	3	48	.30	.15	21	37	.41	403	.01	2	.66	.01	.18	2	23
37370	4	143	14	147	.1	160	43	5653	8.20	308	5	ND	2	75	1	10	2	127	4.10	.09	7	83	1.35	190	.03	2	1.54	.05	.07	2	205
37371	2	99	10	135	.1	157	38	2455	9.71	95	5	ND	2	43	1	2	2	178	1.22	.10	5	137	2.32	213	.07	14	2.67	.07	.08	2	29
37372	3	151	16	155	.1	92	33	3448	8.03	99	5	ND	2	89	1	2	2	132	2.53	.12	5	52	.71	296	.01	2	.94	.03	.09	2	27
37373	4	84	11	123	.3	75	18	2123	5.01	125	5	ND	2	123	1	2	2	64	2.61	.13	7	40	.72	213	.01	2	.59	.02	.11	2	22
37374	1	51	10	152	.2	58	17	1927	4.63	166	5	ND	2	87	1	2	2	64	2.66	.09	4	37	.58	174	.01	2	.62	.03	.06	2	34

	Sample No. all values in ppm unless otherwise indicated	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe %	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca %	P %	La	Cr	Mg %	Ba	Ti %	B	Al %	Na %	K %	W	Au ppb
	37375	2	95	18	119	.2	170	22	2473	5.47	74	5	ND	2	28	1	2	2	60	.43	.09	12	124	1.46	141	.02	13	1.28	.02	.11	2	19
	37376	5	126	21	148	.3	331	31	2365	6.14	132	5	ND	2	22	1	2	2	76	.33	.08	20	198	2.26	141	.04	20	1.50	.02	.08	2	21
	37377	1	39	8	75	.1	224	24	860	4.12	50	5	ND	2	21	1	2	2	71	.33	.11	4	213	2.64	88	.08	15	1.86	.02	.08	2	16
	37378	1	107	20	105	.1	256	36	2135	7.86	122	5	ND	2	28	1	2	2	129	.88	.07	5	199	2.69	272	.07	26	2.56	.02	.09	2	12
	37379	3	74	18	141	.2	188	28	2241	5.51	139	5	ND	2	23	1	2	2	64	.25	.13	11	154	1.69	160	.05	8	2.12	.02	.11	2	24
	37380	2	90	12	112	.1	294	35	1727	5.42	93	5	ND	2	23	1	2	2	69	.39	.11	12	225	3.15	100	.05	23	2.09	.02	.10	2	15
	37381	1	105	11	210	.4	291	31	1525	6.39	176	5	ND	2	28	1	2	2	80	.48	.12	10	222	3.30	101	.05	26	1.99	.02	.10	3	35
	37382	1	92	14	107	.2	287	31	1310	5.79	211	5	ND	2	32	1	2	2	78	.41	.11	8	224	3.09	91	.06	21	2.17	.02	.09	2	36
	37383	1	62	8	84	.1	160	21	996	3.96	60	5	ND	2	33	1	2	2	61	.99	.14	5	156	2.01	92	.04	16	1.86	.02	.08	2	11
	37384	1	61	17	106	.1	150	21	1203	5.14	69	5	ND	2	19	1	2	2	52	.33	.13	9	127	1.94	91	.04	5	1.67	.02	.13	2	9
	37385	2	57	11	104	.2	133	20	1096	5.08	127	5	ND	2	19	1	2	2	49	.29	.11	11	115	1.68	73	.04	5	1.40	.02	.10	2	30
	37386	1	63	17	111	.1	139	22	1507	5.52	107	5	ND	2	20	1	2	2	48	.33	.11	11	92	1.39	103	.03	18	1.33	.02	.10	2	48
	37387	1	39	6	48	.1	146	17	489	3.02	29	5	ND	2	25	1	2	2	53	.34	.07	6	129	1.96	52	.08	5	1.54	.05	.08	2	4
	37388	1	63	13	95	.2	281	23	1085	4.77	109	5	ND	2	26	1	2	2	51	.37	.08	7	197	3.40	88	.03	24	1.40	.02	.08	2	16
	37389	1	58	11	89	.1	255	21	967	4.59	98	5	ND	2	23	1	2	2	51	.35	.08	7	196	3.15	76	.04	19	1.30	.02	.06	2	13
Steep Ck Silts	37390	1	59	9	90	.1	256	21	1008	4.65	99	5	ND	2	24	1	2	2	54	.36	.08	7	194	3.12	85	.04	22	1.33	.03	.08	2	17
	37391	1	58	12	91	.1	254	22	1030	4.83	95	5	ND	2	23	1	2	2	56	.36	.08	6	216	3.13	78	.05	20	1.35	.02	.07	2	11
	37392	1	64	9	96	.2	272	23	1093	4.80	115	5	ND	2	25	1	2	2	49	.33	.08	7	192	3.20	83	.03	17	1.25	.02	.07	2	16
	37393	1	64	11	98	.1	277	23	1125	4.93	116	5	ND	2	26	1	2	2	50	.35	.09	8	205	3.29	85	.03	19	1.31	.02	.08	2	21
	37394	1	65	12	98	.1	-279	24	1110	4.94	121	5	ND	2	26	1	2	2	52	.36	.09	9	204	3.29	85	.04	20	1.36	.02	.08	2	20
	37395	1	52	14	90	.1	161	19	878	4.71	104	5	ND	2	21	1	2	2	53	.37	.09	8	140	2.09	63	.05	13	1.40	.03	.08	2	13
	37396	1	53	9	83	.1	186	22	860	4.78	114	5	ND	2	23	1	2	2	68	.41	.09	6	176	2.72	57	.07	13	1.87	.04	.09	2	11
	37397	1	62	14	97	.3	148	21	959	4.98	128	5	ND	2	25	1	2	2	54	.39	.10	8	125	1.83	67	.05	11	1.42	.03	.09	2	16

Sample No.
all values in ppm unless otherwise indicated

Sample No.	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe %	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca %	P %	La	Cr	Mg %	Ba	Ti %	B	Al %	Na %	K %	W	Au ppb
37398	1	147	9	164	.2	72	36	2085	8.93	10	5	ND	2	26	1	2	2	86	.70	.13	20	53	1.25	72	.08	14	3.25	.01	.13	2	5
37399	1	94	9	143	.2	80	31	1431	7.48	12	5	ND	2	23	1	2	2	78	.87	.15	15	85	1.28	62	.15	13	3.24	.02	.12	2	5
37400	1	78	5	126	.2	66	25	1354	5.80	16	5	ND	2	39	1	2	2	77	.89	.13	9	73	1.15	221	.20	10	2.70	.01	.16	2	5
37401	1	109	9	146	.2	86	32	1510	7.32	13	5	ND	2	28	1	2	2	78	.83	.08	9	86	1.23	119	.17	11	3.25	.01	.15	2	5
37402	1	50	3	94	.2	68	18	907	4.59	21	5	ND	2	25	1	2	2	79	.84	.09	5	82	1.43	100	.19	7	2.58	.02	.10	2	5
37403	1	57	8	99	.2	77	20	920	5.08	23	5	ND	2	41	1	2	2	86	1.06	.11	5	91	1.50	131	.22	9	2.77	.02	.15	2	5
37404	1	26	6	58	.2	34	10	441	2.76	9	5	ND	2	20	1	2	2	63	.45	.08	4	42	.66	65	.15	5	1.35	.03	.07	2	5
37405	1	100	6	113	.1	108	27	926	6.78	8	5	ND	2	25	1	2	2	98	1.39	.07	2	129	2.40	46	.40	13	3.64	.01	.13	2	5
37406	1	102	3	119	.1	112	27	982	6.57	13	5	ND	2	28	1	2	2	107	1.63	.07	5	128	2.44	66	.48	15	3.77	.01	.13	2	5
37407	2	154	6	122	.1	109	30	1260	7.25	12	5	ND	2	29	1	2	2	97	1.54	.08	8	130	2.02	55	.29	13	3.39	.01	.15	2	5
37408	2	106	6	123	.1	115	29	939	7.27	4	6	ND	2	28	1	2	2	109	2.07	.08	6	160	2.37	40	.38	18	4.04	.01	.12	2	5
37409	1	96	8	128	.1	114	29	974	7.53	17	7	ND	2	29	1	2	2	113	2.11	.06	7	176	2.33	74	.46	22	4.40	.01	.14	2	5
37410	2	41	15	136	.2	51	16	2036	4.66	66	6	ND	2	19	1	2	2	52	.17	.13	8	46	.58	172	.05	5	1.68	.02	.10	2	5
37411	2	58	15	130	.3	48	16	1760	5.01	59	6	ND	2	25	1	4	2	47	.21	.12	10	39	.64	198	.04	5	1.89	.01	.10	2	5
37412	2	52	16	118	.2	39	14	1951	5.02	44	5	ND	2	31	1	2	2	33	.24	.10	10	22	.41	226	.01	5	1.53	.02	.10	2	5
37413	2	82	19	137	.3	51	20	2425	5.07	101	6	ND	2	24	1	2	2	44	.16	.12	12	34	.55	225	.03	6	1.72	.01	.11	2	5
37414	2	112	19	139	.3	49	17	1300	5.36	89	6	ND	2	26	1	3	2	28	.13	.09	16	19	.21	301	.01	8	.91	.01	.09	2	35
37415	2	155	23	203	.3	80	21	2003	7.08	133	8	ND	2	31	1	6	2	37	.16	.15	21	43	.44	537	.02	8	1.00	.01	.10	3	5
37416	1	291	8	54	.2	43	41	445	8.05	936	5	ND	2	65	1	13	2	116	.40	.23	3	53	1.74	52	.09	6	3.13	.10	.18	2	10
37417	1	93	7	54	.1	81	28	824	5.16	793	23	ND	2	102	1	8	2	82	4.88	.06	3	78	.56	38	.01	48	2.56	.22	.10	2	5
37418	1	62	8	45	.1	625	25	578	2.90	41	5	ND	2	67	1	6	2	47	.80	.06	4	214	4.78	219	.12	4	3.16	.02	.28	2	5
37419	2	152	355	502	6.1	42	11	890	3.70	981	5	ND	4	51	4	128	2	51	.30	.08	9	40	.81	164	.10	5	1.23	.02	.29	2	40
37420	2	114	309	480	3.7	24	10	483	4.63	807	5	ND	5	62	2	94	2	56	.30	.09	9	35	.82	239	.13	4	1.63	.03	.46	2	15
37421	2	93	209	754	2.5	15	15	1006	3.27	976	5	ND	6	43	6	162	2	35	.20	.07	13	22	.43	134	.06	15	.88	.02	.28	2	10
37422	2	31	29	139	.5	79	14	858	3.76	145	5	ND	2	31	1	32	2	79	.25	.06	5	69	.54	115	.10	6	1.09	.05	.10	2	10
37423	2	46	13	96	.3	153	21	1341	4.26	105	5	ND	2	27	1	34	2	74	.18	.07	4	127	.62	149	.06	7	1.06	.03	.08	2	5
37424	4	78	11	121	.1	206	23	988	6.29	138	5	ND	2	24	1	53	2	92	.17	.09	8	139	.72	143	.03	6	1.23	.02	.08	2	20
37425	2	28	7	61	.1	78	12	725	2.95	35	5	ND	2	31	1	7	2	58	.35	.07	4	56	.55	151	.09	6	.96	.04	.07	2	5
37426	1	19	5	49	.3	51	9	587	2.27	26	5	ND	2	26	1	3	2	50	.20	.05	3	35	.37	95	.08	4	.69	.04	.06	2	5
37427	4	61	11	108	.2	212	22	1012	4.44	129	5	ND	2	27	1	4	2	53	.21	.10	4	92	.45	152	.03	9	.81	.02	.10	2	10
37428	1	9	2	31	.2	20	5	220	1.64	10	5	ND	2	19	1	2	2	41	.18	.04	2	16	.22	49	.08	2	.52	.04	.03	2	5
37429	2	22	6	56	.2	46	9	478	2.93	40	5	ND	2	21	1	2	2	61	.21	.07	3	42	.50	81	.08	5	1.21	.03	.04	2	5
37430	1	7	2	28	.2	10	4	198	1.53	6	5	ND	2	15	1	2	2	43	.16	.06	3	12	.17	32	.08	2	.66	.04	.03	2	5
37431	1	14	6	43	.2	25	6	316	2.33	12	7	ND	2	21	1	2	2	61	.18	.06	4	25	.34	55	.11	3	.73	.05	.05	2	5
37432	2	48	14	112	.1	64	14	903	5.37	58	6	ND	2	22	1	3	2	53	.26	.10	8	51	.52	176	.02	5	1.26	.02	.11	2	15
37433	1	42	8	90	.2	156	18	1362	4.16	40	5	ND	2	30	1	3	2	66	.31	.10	7	163	1.28	200	.06	7	1.59	.03	.08	2	205
37434	1	14	6	40	.2	35	7	334	2.23	15	5	ND	2	19	1	2	2	55	.18	.06	4	33	.38	52	.09	4	.74	.04	.05	2	5

all values in ppm unless otherwise indicated

Sample No.	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe %	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca %	P %	La	Cr	Mg %	Ba	Ti %	B	Al %	Na %	K %	W	Au ppb
37435	9	218	26	311	.7	182	30	1509	7.55	102	7	ND	2	76	1	2	2	66	.30	.11	29	57	.52	267	.01	17	.94	.01	.16	2	15
37436	2	97	13	137	.1	274	32	1143	6.97	57	5	ND	2	25	1	5	2	92	.15	.07	17	292	3.05	265	.02	9	3.26	.01	.09	2	5
37437	4	105	23	170	.5	254	26	1638	5.93	122	5	ND	2	42	1	9	2	41	.37	.11	18	191	1.43	257	.01	14	1.16	.01	.16	2	25
37438	2	80	14	151	.3	240	23	1502	5.74	68	5	ND	2	33	1	8	2	66	.48	.11	17	262	2.89	232	.02	13	2.20	.01	.14	2	5
37439	2	84	12	118	.3	463	31	1432	5.57	111	5	ND	2	56	1	6	2	62	.30	.09	17	389	2.77	251	.01	13	1.71	.01	.12	2	25
37440	2	86	16	157	.1	245	29	2141	5.87	105	5	ND	2	31	1	8	2	75	.54	.14	15	219	2.60	170	.04	17	2.12	.02	.14	2	15
37441	2	83	10	180	.1	214	27	1628	6.14	138	5	ND	2	33	1	8	2	94	.73	.12	12	189	2.57	108	.13	22	2.11	.03	.11	2	20
37442	1	77	10	105	.1	252	25	1058	5.89	97	5	ND	2	29	1	7	2	89	.40	.10	11	243	3.32	80	.10	19	2.73	.02	.09	2	5
37443	2	71	13	120	.2	106	19	1727	5.59	134	5	ND	2	57	1	4	2	39	.25	.10	13	76	.96	198	.02	15	1.03	.02	.11	2	20
37444	3	127	21	176	.4	300	29	2809	6.42	214	5	ND	2	77	1	13	2	43	.32	.14	20	154	2.16	260	.01	22	.82	.01	.11	3	75
37445	5	120	35	160	.5	289	32	1767	6.67	238	5	ND	2	114	1	13	2	66	.57	.14	20	163	1.75	307	.01	22	1.14	.01	.12	2	70
37446	3	111	24	147	.3	409	39	1631	7.43	230	5	ND	2	142	1	11	2	98	1.44	.11	14	278	2.57	278	.01	20	1.43	.01	.11	2	25
37447	5	116	32	180	.5	200	34	2001	7.63	192	5	ND	2	83	1	11	2	74	.46	.11	18	105	1.65	266	.01	23	1.09	.01	.11	3	55
37448	4	103	25	155	.2	449	41	1756	7.14	170	5	ND	2	96	1	10	2	104	1.80	.13	15	308	2.66	203	.01	25	1.57	.01	.11	2	10
37449	2	75	14	89	.1	527	43	1143	5.95	247	8	ND	2	113	1	7	2	116	4.35	.09	13	565	5.95	116	.02	15	2.91	.01	.08	2	5
37450	3	121	279	277	.9	376	37	1951	5.98	214	5	ND	2	130	1	35	2	71	2.08	.10	18	265	3.98	224	.01	32	1.53	.01	.12	2	40
37451	2	100	18	101	.1	417	39	1298	6.79	120	7	ND	2	159	1	7	2	153	3.22	.14	16	402	5.57	130	.05	23	2.75	.02	.11	2	5
37452	1	55	20	113	.2	217	22	1264	5.01	43	5	ND	2	31	1	4	2	51	.66	.13	13	134	2.81	108	.01	26	1.81	.02	.13	2	5
37453	5	132	23	200	.5	116	24	1634	6.36	214	9	ND	2	34	1	5	2	49	.17	.12	23	65	.98	278	.03	12	1.74	.02	.14	3	5
37454	1	70	14	103	.1	512	35	1695	5.27	64	5	ND	2	24	1	6	2	61	.44	.09	12	317	5.91	86	.03	37	2.19	.02	.10	2	15
37455	2	92	17	148	.2	100	20	1867	5.72	178	7	ND	2	29	1	4	2	45	.25	.10	18	62	1.06	235	.03	15	1.87	.02	.15	2	5
37456	1	57	13	112	.2	56	13	1436	4.99	85	7	ND	2	21	1	4	2	35	.25	.10	14	31	.91	178	.02	12	1.86	.02	.12	2	5
37457	2	73	15	130	.1	95	19	1890	5.68	128	5	ND	2	26	1	4	2	50	.37	.10	17	75	1.20	192	.05	13	1.99	.02	.13	2	5
37458	2	73	15	135	.1	73	18	2315	5.76	175	5	ND	2	28	1	5	3	39	.34	.10	17	41	.74	248	.02	17	1.44	.02	.14	2	10
37459	3	99	20	158	.3	116	25	2227	6.58	262	5	ND	2	34	1	7	2	62	.51	.13	19	84	1.35	313	.05	18	1.89	.02	.12	3	5
37460	4	99	14	151	.3	141	26	1579	6.28	306	5	ND	2	28	1	5	2	77	.54	.12	23	87	2.22	210	.08	16	2.41	.02	.11	2	10
37461	3	103	14	155	.3	134	26	1594	6.31	370	5	ND	2	28	1	7	2	73	.53	.13	20	94	1.75	205	.09	17	2.18	.02	.14	2	5
37462	2	108	19	146	.3	273	30	1747	6.08	282	5	ND	2	23	1	9	2	63	.23	.11	21	197	2.24	185	.03	15	2.13	.01	.15	2	15
37463	2	140	13	132	.2	163	39	1938	7.24	663	5	ND	2	37	1	7	2	90	.87	.12	16	112	1.94	228	.07	22	2.56	.02	.10	2	5
37464	13	207	24	230	.9	144	26	1096	7.32	885	6	ND	2	49	2	23	2	54	.41	.12	24	56	.82	292	.02	22	1.20	.01	.19	2	15
37465	4	118	20	160	.4	172	25	1368	6.06	365	5	ND	2	38	1	8	2	49	.35	.11	20	127	1.49	243	.04	16	1.58	.01	.14	2	15
37466	2	94	19	147	.2	161	28	2082	6.14	316	5	ND	2	21	1	18	2	57	.32	.12	16	141	2.08	168	.04	12	2.66	.01	.16	2	5
37467	6	132	21	176	.5	146	23	1507	5.78	330	9	ND	2	50	1	10	2	60	.20	.10	20	135	1.46	233	.06	10	1.85	.01	.27	2	170
37468	1	85	14	110	.1	160	27	1339	6.50	158	5	ND	2	31	1	8	2	113	.44	.13	12	176	2.83	120	.14	43	3.00	.02	.19	2	120
37469	2	82	11	106	.1	365	32	1443	6.05	124	5	ND	2	28	1	8	2	103	.46	.11	13	386	4.07	129	.14	47	3.09	.01	.17	2	75
37470	1	110	12	115	.1	372	40	1804	7.14	72	5	ND	2	28	1	3	2	153	.59	.10	12	402	4.75	168	.25	17	3.99	.01	.32	2	30
37471	2	91	11	110	.1	272	33	1359	6.33	148	5	ND	2	27	1	8	2	90	.62	.12	13	317	3.65	113	.06	17	3.24	.01	.14	2	115

	Sample No. all values in ppm unless otherwise indicated	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe %	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca %	P %	La	Cr	Mg %	Ba	Ti %	B	Al %	Na %	K %	W	Au ppb
	37472	4	114	17	173	.4	259	35	2046	7.15	83	8	ND	2	34	1	10	2	80	.35	.15	16	248	2.94	189	.07	4	3.22	.02	.23	2	20
	37473	5	113	15	167	.4	234	46	2812	8.39	122	6	ND	2	30	1	7	2	94	.43	.17	21	239	3.18	154	.07	2	3.59	.01	.16	3	5
	37474	4	90	11	126	.2	287	40	1510	7.28	47	5	ND	2	30	1	3	2	113	.66	.15	13	435	5.21	104	.20	8	4.68	.02	.26	2	5
	37475	2	104	5	92	.1	164	36	1213	6.93	22	5	ND	2	44	1	2	2	133	.97	.14	8	215	4.77	193	.30	2	5.06	.08	.51	2	5
	37476	4	128	14	129	.2	498	51	1763	6.90	121	10	ND	2	46	1	9	2	147	2.29	.13	11	581	6.29	280	.12	2	5.21	.03	.45	2	25
	37477	4	89	8	125	.2	647	43	1324	6.51	50	5	ND	2	32	1	6	2	121	.63	.11	7	769	6.73	235	.18	2	4.73	.03	.31	2	5
	37478	5	115	10	146	.1	696	48	1226	6.67	104	5	ND	2	30	1	8	2	129	.48	.07	10	850	6.57	328	.21	2	5.27	.02	.31	3	5
	37479	4	131	10	144	.2	669	51	1140	6.27	47	5	ND	2	48	1	7	2	112	.65	.10	6	715	5.76	737	.18	4	4.59	.05	.47	2	5
	37480	4	94	13	131	.1	483	35	1011	5.91	79	5	ND	2	53	1	11	2	106	.68	.12	5	576	5.13	363	.17	5	4.37	.07	.49	2	5
	37481	3	86	7	100	.1	198	25	873	5.50	19	5	ND	2	90	1	3	2	107	.96	.13	6	252	3.30	246	.24	2	3.88	.14	.60	2	5
	37482	3	98	6	105	.1	245	29	956	5.76	29	5	ND	2	107	1	6	2	113	1.09	.11	5	307	3.63	285	.20	5	4.36	.17	.58	2	5
	37483	2	125	9	109	.2	219	27	825	5.57	58	5	ND	2	114	1	4	2	108	.88	.14	6	239	2.45	369	.15	2	4.17	.16	.49	2	5
	37484	2	100	5	93	.2	304	26	548	4.96	43	5	ND	2	116	1	4	2	108	1.00	.14	7	355	2.90	511	.15	2	4.11	.18	.51	2	5
	37485	1	36	3	37	.1	64	8	308	2.08	74	5	ND	2	100	1	2	2	65	.88	.07	4	121	.87	107	.07	3	1.76	.16	.13	2	5
	37486	1	35	4	42	.2	59	8	255	2.27	101	5	ND	2	92	1	4	2	66	.85	.07	6	114	.89	109	.08	6	1.67	.15	.12	2	5
	37487	1	30	4	31	.1	43	7	291	1.78	86	5	ND	2	114	1	2	2	58	.96	.06	4	95	.71	83	.06	5	1.74	.18	.11	2	5
	37488	1	30	3	32	.1	45	7	294	1.78	92	5	ND	2	105	1	3	2	57	.88	.06	5	96	.73	87	.06	9	1.62	.16	.12	2	5
	37489	1	32	2	32	.1	49	7	291	1.97	98	5	ND	2	99	1	2	2	76	.87	.07	6	126	.76	82	.07	5	1.57	.16	.12	2	5
	37490	1	31	3	32	.1	51	7	294	2.07	85	5	ND	2	100	1	3	2	85	.88	.07	4	141	.77	78	.07	4	1.58	.16	.12	2	5
Six Mile Ck Silts	37491	1	28	4	34	.1	42	7	277	1.62	86	5	ND	2	105	1	2	2	53	.87	.06	3	85	.67	71	.05	3	1.58	.16	.11	2	5
	37492	1	30	1	27	.1	42	6	267	1.59	92	5	ND	2	116	1	3	2	47	.93	.06	3	71	.72	82	.06	5	1.71	.17	.12	2	5
	37493	1	29	3	24	.1	43	6	246	1.63	83	5	ND	2	108	1	2	2	55	.92	.06	3	95	.73	76	.06	5	1.63	.17	.12	2	5
	37494	1	30	3	32	.1	43	6	254	1.64	82	5	ND	2	114	1	2	2	54	.95	.06	4	89	.74	78	.06	5	1.72	.18	.13	2	5
	37495	1	35	3	27	.1	48	7	245	1.83	78	5	ND	2	106	1	2	5	65	.95	.07	4	105	.82	83	.07	9	1.70	.17	.14	2	25
	37496	2	44	13	90	.2	73	16	635	4.17	460	9	ND	2	34	1	5	3	103	.33	.10	6	122	1.38	92	.15	6	3.08	.06	.09	2	30
	37497	1	26	1	22	.1	37	6	211	1.54	78	5	ND	2	107	1	2	2	50	.91	.06	3	79	.67	64	.06	3	1.68	.17	.10	2	10
	37498	1	30	1	22	.1	39	6	176	1.49	56	5	ND	2	96	1	2	2	51	.85	.06	4	87	.69	61	.05	8	1.54	.15	.10	2	5
	37499	1	29	2	21	.1	40	6	139	1.49	31	5	ND	2	103	1	2	2	53	.90	.06	3	89	.71	63	.06	7	1.56	.16	.11	2	5
	37500	3	77	13	142	.2	92	19	1442	6.21	144	5	ND	2	24	1	5	2	86	.31	.12	8	73	.60	159	.01	2	1.40	.01	.10	2	36
	37501	1	47	9	98	.1	82	18	1335	4.93	89	5	ND	2	1	1	2	2	92	.28	.09	6	79	.81	126	.06	2	1.25	.03	.09	2	44
	37502	1	60	10	104	.1	157	24	1802	4.81	102	5	ND	2	21	1	2	2	79	.25	.11	7	108	1.00	159	.03	2	1.24	.02	.07	2	27
	37503	3	87	15	138	.2	272	31	1735	6.18	126	5	ND	2	25	1	3	2	92	.22	.09	8	209	1.35	154	.02	2	1.87	.01	.08	2	24
	37504	3	74	15	138	.2	165	20	754	5.43	118	8	ND	2	18	1	4	2	74	.11	.09	8	104	.71	138	.02	2	1.36	.02	.08	2	24
	37505	3	62	13	138	.1	143	20	776	5.72	138	5	ND	2	21	1	7	2	83	.19	.09	9	109	.66	153	.02	2	1.54	.01	.08	2	27
	37506	2	55	8	101	.2	113	18	1059	4.31	85	5	ND	2	15	1	4	2	73	.11	.08	8	78	.64	89	.04	2	1.20	.02	.06	2	20
	37507	2	47	8	99	.1	102	15	811	3.99	73	5	ND	2	17	1	3	2	71	.13	.08	8	71	.56	107	.06	13	1.04	.03	.07	2	20
	37508	2	55	12	117	.2	115	19	685	5.22	92	5	ND	2	18	1	6	2	92	.15	.10	7	92	.78	140	.03	2	1.97	.02	.07	2	24
	37509	3	66	11	123	.1	114	19	621	5.75	87	5	ND	2	18	1	10	2	97	.15	.08	7	92	.75	133	.02	2	1.88	.02	.07	2	25
	37510	2	66	11	125	.2	127	24	824	6.56	109	5	ND	2	20	1	21	2	114	.29	.08	6	117	1.07	143	.02	2	2.38	.01	.09	2	14
	37511	1	33	9	67	.1	89	12	594	3.45	115	5	ND	2	21	1	2	2	65	.28	.06	7	92	1.06	55	.07	3	1.07	.03	.04	2	11
Silts	37512	1	35	7	75	.1	97	14	644	3.82	133	5	ND	2	21	1	2	2	75	.28	.07	6	102	1.17	58	.08	3	1.15	.03	.05	2	33
	37513	1	29	6	62	.2	87	12	583	3.23	129	5	ND	2	21	1	2	2	62	.27	.06	5	88	1.03	51	.07	2	.98	.04	.05	2	13
	37514	2	29	5	53	.1	76	11	553	3.08	74	5	ND	2	23	1	2	2	58	.29	.05	6	78	.94	51	.08	8	1.06	.05	.05	2	4
	37515	1	44	11	85	.1	119	16	734	4.28	129	5	ND	2	25	1	2	2	92	.33	.07	6	124	1.37	71	.10	23	1.31	.05	.07	2	10

Sample No.	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe %	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca %	P %	La	Cr	Mg %	Ba	Ti %	B	Al %	Na %	K %	W	Au ppb
all values in ppm unless otherwise indicated																															
37516	2	332	6	102	.1	76	43	1135	8.13	265	5	ND	2	38	1	2	2	124	.69	.10	5	83	2.17	23	.14	74	2.82	.06	.05	2	20
37517	2	419	8	91	.1	57	42	1304	8.61	161	5	ND	2	30	1	2	3	150	.84	.11	6	82	2.57	14	.20	41	3.26	.06	.02	2	5
37518	2	197	8	81	.1	65	56	1298	9.91	96	5	ND	2	37	1	2	2	141	.63	.14	4	87	2.68	15	.22	19	3.31	.02	.02	2	5
37519	2	352	7	245	.1	96	64	1528	8.98	57	5	ND	2	45	1	2	2	135	.52	.14	6	94	2.53	36	.23	26	3.37	.03	.05	2	5
37520	1	240	6	114	.1	92	51	1364	7.49	44	5	ND	2	57	1	2	2	125	.79	.15	7	96	2.30	37	.19	94	3.11	.04	.05	2	5
37521	2	211	5	65	.1	44	29	820	8.66	42	5	ND	2	20	1	2	2	122	.55	.17	6	59	2.14	22	.27	18	2.91	.03	.03	2	5
37522	2	250	5	174	.1	87	63	1843	8.86	32	5	ND	2	97	1	2	2	154	.81	.13	7	110	3.13	40	.21	19	3.74	.02	.04	2	5
37523	3	311	7	609	.1	105	70	2084	11.02	29	5	ND	2	38	2	2	2	166	.69	.16	9	138	2.73	33	.25	16	3.68	.02	.05	2	5
37524	1	121	8	289	.1	61	32	1356	7.79	19	5	ND	2	37	1	2	2	134	.64	.16	6	101	2.43	26	.27	19	3.16	.02	.04	2	5

Sample No.	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe %	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca %	P %	La	Cr	Mg %	Ba	Ti %	B	Al %	Na %	K %	W	Au ppb
all values in ppm unless otherwise indicated																															
37525	.	48	4	101	.1	53	15	582	3.51	7	6	ND	2	24	1	2	2	71	.35	.10	5	58	1.17	34	.13	8	1.48	.03	.04	2	5
37526	1	109	8	96	.1	412	39	1082	5.89	17	5	ND	2	21	1	10	2	91	.39	.04	9	397	5.05	28	.03	24	3.24	.01	.04	2	5
37527	2	142	8	155	.3	152	28	1015	5.88	19	5	ND	2	19	1	5	2	62	.41	.06	11	147	3.03	34	.01	19	2.94	.01	.08	2	5
37528	3	88	11	115	.2	164	25	855	5.14	23	7	ND	2	20	1	6	2	61	.35	.07	10	140	3.34	33	.03	20	2.70	.01	.07	2	5
37529	1	80	10	93	.1	185	29	1072	5.47	14	5	ND	2	21	1	4	2	66	.51	.08	7	163	4.34	30	.05	29	3.56	.01	.05	2	5
37530	1	79	4	103	.1	112	25	900	5.87	12	5	ND	2	22	1	2	2	96	.64	.08	7	123	3.40	24	.11	30	3.09	.02	.04	2	5
37531	1	101	12	156	.3	63	23	992	5.96	16	7	ND	2	16	1	2	2	72	.37	.07	13	67	2.24	32	.03	19	2.63	.01	.07	3	5
37532	1	84	5	87	.1	201	32	1008	5.46	11	5	ND	2	34	1	2	2	100	.68	.05	7	216	4.33	39	.11	18	3.66	.01	.03	2	5
37533	1	87	5	68	.1	288	35	788	5.19	3	5	ND	2	36	1	3	2	93	.78	.04	5	293	5.39	27	.15	26	4.02	.02	.02	2	10
37534	1	50	5	59	.1	158	21	637	3.57	8	5	ND	2	25	1	2	2	76	.47	.08	6	154	2.34	57	.10	11	2.28	.03	.03	2	5
37535	1	114	4	80	.1	173	36	1079	5.71	7	5	ND	2	33	1	2	2	112	.78	.07	9	206	3.66	19	.11	48	3.22	.02	.03	2	5
37536	1	114	4	56	.1	332	39	748	5.07	5	5	ND	2	54	1	2	2	92	.54	.04	5	354	5.42	38	.11	24	4.43	.02	.02	2	5
37537	13	269	32	174	.4	107	17	547	5.64	13	12	ND	3	43	1	3	2	38	.11	.06	38	61	1.22	183	.01	15	1.61	.01	.17	2	5
37538	2	110	8	87	.1	153	36	1159	5.83	16	5	ND	2	29	1	3	2	121	.61	.10	7	163	3.40	48	.15	19	3.45	.02	.06	2	5
37539	1	103	6	47	.1	225	32	603	4.39	6	5	ND	2	28	1	3	2	63	.81	.03	4	189	4.95	18	.09	27	3.98	.06	.02	2	5
37540	1	93	4	49	.1	247	36	688	4.99	6	5	ND	2	25	1	2	2	66	.80	.03	3	194	5.83	16	.09	54	4.74	.07	.02	2	5
37541	1	78	5	43	.1	307	47	764	5.06	2	5	ND	2	18	1	2	2	28	.76	.02	2	273	8.13	18	.04	18	5.87	.02	.01	2	5
37542	1	106	6	50	.1	295	41	747	5.21	5	5	ND	2	17	1	3	2	51	.63	.04	4	174	6.50	13	.07	14	5.52	.04	.02	2	5
37543	1	117	4	58	.1	147	28	655	4.74	15	5	ND	2	29	1	2	2	101	.62	.05	6	180	3.38	69	.14	9	4.12	.02	.05	3	5
37544	1	92	9	68	.1	94	29	917	5.16	18	5	ND	2	23	1	2	3	136	.48	.08	4	117	2.42	55	.18	10	3.13	.02	.05	2	5
37545	1	106	6	68	.1	52	29	809	6.19	3	5	ND	2	34	1	2	2	171	.91	.12	6	60	2.26	25	.21	22	2.85	.02	.04	2	5
37546	1	61	5	55	.1	60	30	692	6.00	13	5	ND	2	44	1	2	2	133	.75	.07	7	92	2.04	34	.24	10	2.98	.02	.04	2	5
37547	1	66	5	54	.1	56	22	581	5.28	14	5	ND	2	31	1	2	2	132	.61	.06	6	84	1.77	40	.20	12	2.82	.02	.04	2	5
37548	1	164	7	70	.1	43	22	758	6.26	25	5	ND	2	22	1	2	2	142	.41	.08	7	71	1.54	34	.13	12	2.46	.02	.02	2	5
37549	1	97	8	60	.1	57	26	816	6.40	28	5	ND	2	24	1	2	2	148	.76	.08	9	77	2.00	21	.16	24	2.61	.02	.03	2	5
37550	1	119	7	65	.1	59	35	1352	8.15	140	5	ND	2	43	1	4	2	156	1.07	.10	9	90	1.82	32	.08	117	2.36	.01	.05	2	5
37551	1	63	9	64	.1	56	25	1022	5.89	221	5	ND	2	29	1	4	2	131	.47	.08	7	84	1.64	37	.11	31	2.60	.01	.04	2	5
37552	1	56	6	56	.1	48	19	787	4.42	51	5	ND	2	41	1	2	2	112	.72	.07	5	74	1.26	48	.14	85	2.21	.03	.04	2	5
37553	1	82	10	61	.1	61	18	489	4.82	82	5	ND	2	27	1	2	2	122	.35	.07	6	76	1.40	73	.16	17	2.66	.02	.04	2	5
37554	1	64	8	71	.1	56	20	960	4.97	33	5	ND	2	33	1	2	2	120	.46	.12	6	77	1.25	62	.17	33	2.74	.02	.07	2	5
37555	1	79	11	69	.1	49	20	782	5.18	34	5	ND	2	22	1	2	2	116	.33	.10	4	74	1.58	44	.18	19	2.39	.03	.05	2	5
37556	1	51	5	63	.1	43	15	634	3.98	26	5	ND	2	16	1	2	2	91	.19	.09	6	56	1.22	52	.15	10	2.18	.02	.05	2	5
37557	1	52	9	61	.1	71	14	489	3.88	29	6	ND	2	18	1	2	2	83	.23	.08	5	87	1.42	73	.13	7	2.32	.02	.06	2	5
37558	1	47	10	59	.1	55	12	489	3.48	34	5	ND	2	25	1	2	2	77	.35	.07	6	64	1.06	101	.12	6	2.01	.02	.06	2	5
37559	2	63	10	77	.1	78	15	839	3.60	48	5	ND	2	23	1	3	2	78	.22	.13	8	83	1.35	160	.15	6	2.80	.03	.14	2	5
37560	1	25	7	45	.1	32	7	364	2.21	16	7	ND	2	24	1	2	2	56	.24	.08	5	35	.53	91	.10	3	1.21	.04	.07	2	5
37561	2	55	10	71	.1	67	14	683	3.39	40	6	ND	2	22	1	2	2	74	.24	.12	8	71	1.22	148	.15	5	2.48	.03	.14	2	5

all values in ppm unless otherwise indicated

Sample No.	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe %	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca %	P %	La	Cr	Mg %	Ba	Ti %	B	Al %	Na %	K %	W	Au ppb
37562	3	58	9	69	.3	110	14	629	3.76	58	5	ND	5	33	1	2	3	79	.28	.09	8	83	1.25	188	.16	10	2.80	.03	.15	2	5
37563	3	77	9	79	.2	134	16	542	2.98	83	5	ND	7	38	1	3	3	84	.33	.09	9	122	1.57	345	.19	17	2.60	.04	.39	2	5
37564	4	67	12	71	.3	102	9	317	2.83	69	5	ND	6	26	1	2	4	72	.25	.08	7	100	1.29	187	.12	7	2.92	.04	.19	2	5
37565	3	54	15	96	.2	78	15	910	3.00	59	5	ND	5	35	1	2	5	81	.37	.08	7	100	1.31	194	.15	5	2.72	.05	.19	2	5
37566	3	61	11	68	.3	83	11	384	2.53	53	5	ND	4	23	1	2	6	67	.24	.07	5	96	1.31	146	.14	3	2.72	.03	.15	2	5
37567	4	32	6	56	.2	59	10	742	2.25	29	5	ND	2	32	1	2	4	65	.25	.08	5	68	.88	132	.12	5	1.80	.05	.11	2	5
37568	1	58	2	36	.1	112	17	396	3.04	43	5	ND	5	151	1	2	3	83	.74	.15	5	54	1.70	182	.15	5	2.30	.10	.40	2	5
37569	1	84	7	51	.2	316	30	672	4.60	52	5	ND	7	74	1	2	2	87	.61	.08	6	136	2.77	270	.14	7	2.66	.06	.47	2	5
37570	1	130	4	37	.2	223	26	476	4.38	47	5	ND	5	78	1	2	2	98	.68	.20	7	76	1.96	153	.18	2	2.23	.06	.58	2	5
37571	1	93	9	43	.3	245	28	490	4.15	50	5	ND	5	107	1	2	2	91	.58	.09	4	111	2.45	199	.14	10	2.48	.07	.41	2	5
37572	1	99	3	53	.2	262	26	556	4.42	71	5	ND	5	93	1	2	2	92	.56	.10	5	109	2.85	180	.15	11	2.80	.06	.36	2	5
37573	1	101	6	64	.1	286	36	499	4.12	125	5	ND	5	143	1	2	2	84	.79	.14	7	142	2.40	250	.16	7	3.04	.09	.51	2	25
37574	2	64	6	45	.2	184	17	397	2.75	61	5	ND	7	73	1	2	2	68	.54	.11	8	87	2.25	153	.12	8	1.94	.08	.23	2	5
37575	1	143	27	82	.9	331	67	1161	6.99	2730	5	ND	6	101	1	6	4	81	.67	.06	5	213	3.00	200	.09	5	3.62	.09	.78	2	175
37576	6	377	169	222	4.6	143	44	1212	9.24	12760	5	ND	9	64	3	41	12	50	.28	.14	13	57	.80	83	.02	11	1.56	.03	.35	2	215
37577	7	474	254	209	6.4	139	41	1214	10.38	7806	5	ND	8	80	2	34	22	41	.20	.16	13	42	.53	71	.01	12	1.17	.02	.22	2	205
37578	3	97	13	77	.4	133	15	410	3.05	348	5	ND	6	29	1	2	12	77	.26	.07	9	140	1.87	306	.17	3	2.98	.03	.41	2	5
37579	3	98	13	98	.3	191	23	552	4.20	168	5	ND	6	32	1	2	2	91	.28	.09	6	193	2.37	259	.19	2	3.73	.03	.34	2	105
37580	3	63	8	63	.1	165	18	527	3.14	41	5	ND	5	29	1	2	2	78	.33	.05	8	186	2.06	218	.19	6	2.28	.03	.28	2	5
37581	4	67	12	104	.1	162	20	1041	4.50	34	5	ND	5	25	1	2	2	74	.25	.09	15	156	1.98	129	.11	2	2.51	.02	.17	2	5
37582	4	63	11	100	.1	118	20	961	4.20	30	5	ND	5	24	1	2	6	78	.23	.10	9	137	1.81	131	.19	11	2.78	.03	.17	2	5
37583	2	144	32	99	.6	195	20	596	3.01	162	5	ND	5	73	1	2	4	82	.63	.09	6	117	2.25	139	.14	2	2.08	.08	.31	2	15
37584	1	111	13	70	.4	213	21	467	3.06	81	5	ND	6	90	1	2	2	79	.60	.08	5	125	2.71	227	.16	2	2.83	.10	.42	2	5
37585	2	176	52	72	1.5	192	30	900	6.47	1524	5	ND	5	127	1	11	11	79	.51	.09	4	116	1.94	206	.07	5	2.89	.06	.42	2	60
37586	1	63	13	38	.3	92	20	373	3.94	160	5	ND	6	135	1	2	3	110	.71	.13	6	71	1.97	172	.20	2	2.45	.07	.46	2	150
37587	1	168	7	37	.4	148	36	396	6.26	7924	5	ND	5	318	1	3	10	122	1.02	.12	6	104	2.29	280	.13	2	4.09	.07	.90	2	405
37588	1	109	12	43	.4	225	34	478	4.91	748	5	ND	6	125	1	2	2	97	.74	.13	8	154	2.29	251	.16	6	2.83	.06	.67	2	855
37589	1	172	14	49	.5	119	86	750	9.64	2311	5	ND	5	303	1	4	2	168	1.27	.13	3	103	1.79	217	.06	5	5.35	.04	.86	4	170
37590	1	297	46	84	1.0	424	86	2593	10.75	1254	5	ND	6	140	1	9	2	115	.71	.07	8	181	2.79	394	.07	2	4.42	.04	.64	3	65
37591	1	123	20	77	.6	784	56	1156	5.71	1155	5	ND	6	57	1	5	2	68	1.68	.06	6	439	3.92	129	.04	2	2.58	.03	.36	2	35
37592	2	66	10	50	.1	146	13	421	2.83	79	5	ND	6	55	1	2	4	82	.53	.11	9	113	1.91	102	.13	2	1.52	.06	.19	2	15
37593	1	101	7	80	.3	174	26	679	4.18	85	5	ND	5	62	1	2	2	84	.78	.11	6	159	2.67	130	.22	8	2.59	.09	.64	2	5
37594	1	104	14	72	.1	177	26	1077	4.43	358	5	ND	6	72	1	2	2	94	.91	.16	10	199	2.41	276	.16	2	2.69	.11	.65	2	15
37595	2	88	11	79	.2	153	18	673	4.14	98	5	ND	5	75	1	2	2	82	.62	.08	6	112	2.21	167	.11	2	2.38	.06	.38	2	10
37596	1	70	4	113	.1	131	40	1586	6.24	97	5	ND	4	205	1	2	2	166	1.49	.17	7	138	1.83	178	.16	2	4.31	.22	.55	2	25
37597	1	102	12	76	.2	202	29	766	6.12	181	5	ND	6	113	1	2	2	117	.73	.15	8	109	2.53	185	.15	9	3.11	.11	.47	2	10
37598	3	270	993	644	21.6	296	93	2011	9.63	12056	5	2	6	100	7	158	173	62	.64	.12	11	119	1.21	119	.05	14	1.74	.04	.26	2	3310

Sample No. all values in ppm unless otherwise indicated	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe %	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca %	P %	La	Cr	Mg %	Ba	Ti %	B	Al %	Na %	K %	W	Au ppb
37599	2	47	8	44	.1	727	37	541	4.16	98	5	ND	2	63	1	6	2	49	.30	.06	5	114	8.15	176	.07	23	1.35	.03	.21	2	5
37600	1	188	25	64	.2	338	65	1365	6.65	2339	5	ND	2	73	1	35	4	58	.37	.16	10	75	3.73	108	.06	18	2.22	.09	.15	2	35
37601	2	169	4	68	.1	144	48	1072	5.95	1388	5	ND	2	88	1	19	2	85	.44	.12	8	55	2.21	99	.11	10	2.45	.07	.30	2	5
37602	1	70	6	71	.1	25	17	491	4.85	63	5	ND	2	38	1	2	2	118	.48	.07	6	38	1.69	163	.20	2	2.46	.03	.78	2	260
37603	1	66	3	73	.1	32	17	578	4.61	36	5	ND	3	70	1	2	3	110	.52	.12	8	46	1.62	133	.20	3	2.54	.04	.45	2	5
37700	1	43	4	56	.1	35	12	358	3.26	89	5	ND	2	70	1	2	2	84	.58	.10	7	54	1.12	117	.16	4	1.82	.09	.28	2	5
37701	1	35	3	40	.1	46	8	180	2.07	67	5	ND	2	77	1	2	2	62	.65	.08	5	62	.76	109	.10	3	1.59	.12	.14	2	5
37702	7	74	11	100	.1	368	28	810	4.93	191	5	ND	2	23	1	4	2	109	1.05	.09	13	368	3.19	368	.04	9	3.14	.03	.82	2	5
37703	2	107	9	112	5.3	74	41	1654	10.33	8739	5	12	2	195	1	106	2	83	3.69	.16	2	38	1.96	273	.01	16	.95	.02	.08	2	17600
37704	3	112	10	129	.4	241	41	2500	8.76	600	5	ND	2	37	1	10	2	153	.69	.11	8	233	1.85	237	.03	15	2.85	.01	.07	2	530
37705	2	127	8	134	.1	216	43	2735	10.96	139	5	ND	3	32	1	3	2	188	.60	.07	3	161	2.02	200	.05	20	2.74	.02	.09	2	95
37706	2	98	6	113	.1	74	40	1859	9.07	343	5	ND	2	89	1	3	2	169	3.64	.10	2	70	1.70	213	.03	22	1.95	.03	.06	2	260
37707	3	112	8	117	.1	145	35	2884	9.24	130	5	ND	2	34	1	2	2	158	1.06	.11	7	118	1.36	233	.01	19	2.46	.02	.10	2	50
37708	2	122	8	151	1.0	133	52	2379	12.15	1936	5	2	2	26	1	51	2	148	.50	.06	2	89	.57	305	.01	18	1.29	.01	.07	4	2210
37709	3	99	6	106	.4	590	48	2033	8.92	680	5	ND	2	25	1	22	2	136	.39	.05	7	277	2.32	161	.01	14	2.52	.01	.05	2	535
37710	3	84	8	82	.2	1418	85	3687	8.94	534	5	ND	3	26	1	4	2	147	.72	.05	8	1439	6.10	119	.06	13	4.21	.01	.01	2	185
37711	2	119	6	128	.1	174	42	2649	10.62	119	5	ND	3	31	1	2	2	185	.71	.08	2	129	1.20	213	.05	22	2.36	.03	.08	2	105
37712	2	88	7	100	.1	134	29	1968	7.56	93	5	ND	2	24	1	2	2	125	.40	.07	9	114	1.08	150	.02	11	1.64	.01	.06	2	35
37713	3	93	8	119	.2	146	31	1678	8.43	574	5	ND	3	31	1	10	2	148	.41	.08	11	139	1.20	250	.02	13	2.77	.01	.06	2	415
37768	2	86	9	138	.1	171	34	2390	7.66	313	5	ND	2	40	1	2	2	142	.62	.09	8	176	1.80	256	.03	5	2.89	.03	.09	2	105
37769	1	77	11	141	.1	147	30	1691	7.98	582	5	ND	2	36	1	3	2	139	.50	.11	5	136	1.15	304	.01	3	2.69	.01	.08	2	235
37770	3	133	19	175	.1	215	42	5725	9.86	351	5	ND	2	40	1	2	2	163	.50	.08	10	108	.90	307	.01	9	1.44	.01	.07	3	105
37771	4	101	17	171	.1	184	32	3010	7.45	240	5	ND	2	28	1	2	2	129	.29	.15	13	135	1.25	215	.02	7	2.31	.01	.10	2	65
37772	8	159	15	202	.1	176	47	6963	9.96	165	5	ND	2	39	1	2	2	170	.60	.15	28	106	.89	261	.01	8	1.30	.01	.09	3	75
37773	4	137	9	153	.1	193	34	1899	7.27	158	38	ND	2	62	1	2	2	109	3.37	.06	6	108	1.69	218	.01	9	1.83	.08	.07	2	15
37798	3	108	8	90	.1	127	16	453	4.76	94	5	ND	2	45	1	2	4	91	.19	.11	11	121	1.45	268	.13	7	3.22	.03	.18	2	5
37799	2	53	9	63	.1	44	15	1228	3.86	106	5	ND	2	42	1	2	3	78	.13	.07	8	70	.88	172	.10	7	1.97	.03	.07	2	25
37800	3	139	9	107	.1	147	28	753	5.75	267	6	ND	3	39	1	2	6	119	.21	.11	14	150	1.97	288	.22	12	3.40	.04	.38	2	10
37801	2	66	11	83	.1	72	14	605	3.99	73	5	ND	2	30	1	2	3	84	.17	.11	8	85	.99	155	.13	5	2.33	.03	.12	2	5
37802	2	30	5	53	.2	25	5	434	2.43	33	5	ND	2	23	1	2	3	52	.14	.08	7	33	.38	141	.08	3	1.17	.02	.05	2	5
37803	6	147	129	155	1.9	85	28	1249	6.48	888	5	ND	4	27	1	34	3	76	.10	.13	19	66	.93	294	.08	9	2.32	.02	.18	3	95
37804	10	182	48	152	.5	34	17	926	9.33	168	5	ND	6	36	1	19	3	95	.06	.16	19	72	1.30	417	.07	13	2.61	.02	.37	2	20
37805	17	161	32	196	.8	64	24	1225	7.98	89	5	ND	4	31	1	9	2	67	.05	.16	25	48	.73	312	.05	14	1.94	.01	.22	2	5
37806	7	106	20	192	.3	56	22	1683	6.02	76	5	ND	2	19	1	4	2	52	.10	.15	21	40	.62	198	.03	11	1.97	.01	.11	3	5
37807	11	283	23	425	1.2	201	29	1148	6.56	59	12	ND	5	19	1	2	2	59	.08	.11	30	63	.77	146	.04	10	3.69	.01	.08	2	5
37808	13	187	30	193	.6	61	39	2038	6.98	83	5	ND	3	16	1	5	2	42	.08	.19	33	38	.57	382	.02	13	1.56	.01	.10	3	5
37809	9	184	22	279	.6	91	31	2318	6.63	100	5	ND	2	47	2	2	2	39	.56	.19	22	46	.68	313	.02	12	1.51	.01	.07	2	5
37810	8	190	27	322	.7	121	37	5129	8.92	259	5	ND	3	28	2	3	2	38	.39	.15	32	38	.69	244	.01	16	1.65	.01	.09	2	5
37811	13	157	28	237	.5	124	34	4919	7.98	1672	5	ND	3	36	2	14	2	42	.31	.13	28	55	.80	288	.02	14	1.40	.01	.08	2	5
37812	7	117	19	153	.2	125	29	3598	5.67	425	5	ND	3	26	1	4	3	81	.18	.09	22	112	1.30	181	.06	13	2.63	.01	.09	2	5
37813	10	188	26	240	.2	137	45	4856	6.05	371	5	ND	3	31	1	5	3	71	.22	.13	22	85	1.10	272	.05	10	2.14	.01	.11	2	5

	Sample No.	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au
	all values in ppm unless otherwise indicated									%										%	%			%		%		%	%	%		ppb
	37814	5	95	21	187	.2	98	31	4112	5.06	87	5	ND	2	30	1	2	2	64	.24	.19	18	68	.73	118	.06	9	1.89	.02	.10	3	5
	37815	3	82	15	126	.1	63	15	1771	4.95	66	5	ND	2	29	1	2	2	60	.26	.10	13	52	.38	200	.04	8	2.31	.01	.12	2	40
	37816	6	113	19	172	.1	77	14	546	5.79	85	5	ND	3	22	1	2	2	79	.09	.11	20	65	.66	195	.07	11	2.43	.01	.06	2	5
	37817	2	101	14	151	.1	68	15	612	5.22	52	5	ND	2	17	1	2	2	56	.10	.06	16	48	.83	150	.06	9	2.25	.01	.07	2	5
	37818	3	116	18	137	.2	80	25	3635	5.06	46	5	ND	3	22	1	2	2	68	.13	.07	24	54	.86	152	.10	8	2.54	.01	.12	2	5
	37819	20	204	36	234	1.3	62	6	655	9.90	118	8	ND	11	118	1	17	2	164	.10	.16	57	60	1.81	144	.07	17	3.55	.12	.52	2	5
	37820	51	165	40	115	.3	30	6	479	13.23	84	5	ND	9	92	1	10	2	92	.03	.22	13	48	.85	149	.03	13	2.83	.11	.32	2	5
	37821	2	79	10	87	.1	78	14	345	4.00	33	5	ND	2	22	1	2	2	71	.14	.08	10	70	.95	172	.12	5	2.34	.02	.09	2	5
	37822	5	148	14	137	.1	107	23	588	6.32	201	5	ND	3	28	1	2	2	97	.10	.10	13	91	1.22	289	.13	9	3.42	.02	.18	2	20
	37823	5	131	14	112	.2	132	22	553	5.86	123	5	ND	2	32	1	2	2	109	.16	.12	11	121	1.50	193	.19	7	3.77	.03	.17	2	10
	37824	4	97	25	126	.1	67	16	2105	4.72	77	5	ND	2	22	1	2	2	72	.11	.11	18	69	.91	182	.08	6	3.06	.02	.10	2	5
	37825	7	159	30	166	.5	51	10	667	9.92	115	5	ND	5	43	1	2	2	67	.22	.17	25	57	.69	502	.02	11	2.03	.01	.14	2	5
	37826	5	108	19	201	.2	73	15	2158	4.96	71	5	ND	2	55	1	2	2	66	.42	.15	14	64	.71	511	.07	8	1.85	.02	.14	3	5
	37827	21	218	36	128	2.7	36	7	367	10.45	63	5	ND	8	37	1	4	2	76	.06	.28	25	69	.65	606	.02	10	1.92	.03	.19	2	45
	37828	7	105	20	142	.6	60	10	482	5.31	69	5	ND	3	24	1	2	2	88	.08	.12	17	74	.75	190	.06	9	2.41	.01	.11	2	5
	37829	4	45	13	95	.1	40	10	1384	3.19	31	5	ND	2	23	1	2	2	62	.13	.13	10	46	.52	156	.07	7	1.39	.02	.08	2	5
	37830	6	62	13	122	.4	46	7	306	4.58	52	5	ND	3	15	1	2	2	80	.07	.08	14	75	.48	159	.11	4	3.14	.01	.05	2	5
	37831	2	21	8	44	.1	23	5	582	2.02	13	5	ND	2	12	1	2	2	44	.10	.08	6	27	.32	67	.07	3	1.03	.02	.04	2	5
	37832	11	110	15	178	.1	476	30	962	7.03	49	5	ND	3	12	1	2	2	108	.16	.09	22	457	4.64	128	.15	14	3.86	.01	.06	3	5
	37833	4	45	17	108	.1	78	15	1161	3.74	35	5	ND	2	25	1	2	2	74	.20	.11	13	99	1.00	185	.14	6	2.29	.02	.12	2	5
	37834	2	47	12	86	.1	85	11	704	3.74	28	5	ND	2	15	1	2	2	68	.12	.07	10	91	1.03	139	.20	8	2.72	.01	.08	2	5
	37835	5	64	9	178	.3	154	18	1167	5.44	42	5	ND	2	20	1	2	2	103	.11	.13	13	194	1.67	174	.14	9	2.92	.01	.11	3	5
	37836	6	107	15	163	.1	275	34	1624	7.44	25	5	ND	3	16	1	2	2	115	.13	.12	23	249	3.03	239	.04	16	4.01	.01	.18	3	5
	37837	1	78	2	83	.2	41	25	1064	5.26	8	8	ND	2	20	1	2	2	56	.72	.05	10	31	1.52	39	.57	19	2.38	.01	.54	2	5
	37838	2	75	1	87	.2	53	23	1448	4.83	12	11	ND	2	19	1	2	2	58	.65	.06	10	33	1.56	76	.61	20	2.37	.01	.48	2	5
Silts	37904	1	41	2	32	.1	73	8	196	1.93	43	5	ND	2	42	1	3	2	62	.59	.13	7	80	.96	67	.07	9	.92	.07	.10	2	5
Silts	37905	1	47	1	30	.1	74	9	197	1.93	51	5	ND	2	45	1	2	2	62	.66	.15	5	73	.98	74	.08	7	.97	.08	.12	2	5
Silts	37906	1	41	2	28	.1	72	9	179	1.96	44	5	ND	2	41	1	3	2	69	.62	.14	5	80	.94	66	.08	7	.90	.08	.12	2	5
Silts	37907	1	51	1	29	.1	72	9	184	1.85	51	5	ND	2	46	1	2	2	57	.61	.13	6	68	.96	71	.08	8	.96	.09	.12	2	5
Silts	37908	1	52	2	30	.1	76	9	172	1.89	54	5	ND	2	47	1	2	2	56	.65	.14	5	68	.99	84	.09	7	1.00	.09	.13	2	5
Silts	37909	1	55	2	32	.1	78	10	223	2.02	58	5	ND	2	46	1	2	2	63	.64	.14	6	76	.99	91	.09	7	1.03	.09	.16	2	5
Silts	37910	1	46	1	25	.1	79	9	178	1.86	41	5	ND	2	39	1	2	2	66	.59	.14	5	80	.99	57	.07	5	.84	.07	.10	2	5
	37911	2	54	2	62	.1	73	13	334	2.80	71	5	ND	2	38	1	2	2	71	.48	.11	8	76	1.15	109	.14	6	1.68	.07	.12	2	5
	37912	2	38	9	62	.2	46	8	337	3.23	117	5	ND	2	21	1	2	2	77	.14	.07	8	69	1.12	78	.11	4	2.12	.02	.07	2	5
	37913	1	69	6	100	.5	74	11	739	2.93	65	5	ND	2	73	1	2	2	69	1.57	.13	9	133	.97	148	.09	10	1.98	.03	.08	2	5
	37914	1	31	4	64	.2	37	6	810	1.71	304	5	ND	2	29	1	2	2	40	.47	.08	7	38	.32	51	.07	4	1.09	.03	.03	2	5
	37915	1	21	5	30	.4	23	4	224	1.63	19	5	ND	2	13	1	3	2	40	.07	.05	5	36	.36	47	.06	3	.95	.02	.03	2	5
	37916	3	42	10	68	.1	36	9	629	3.99	47	5	ND	2	33	1	2	2	97	.24	.15	9	73	1.01	107	.11	8	2.49	.04	.08	2	5
	37917	1	14	3	23	.1	13	2	111	1.61	15	5	ND	2	13	1	2	2	41	.08	.06	4	34	.26	34	.07	4	.76	.02	.02	2	5

Sample No.	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe %	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca %	P %	La	Cr	Mg %	Ba	Ti %	B	Al %	Na %	K %	W	Au ppb
all values in ppm unless otherwise indicated																															
7,8 R-00101	2	64	6	74	.1	164	28	834	5.51	8	5	ND	2	61	1	2	2	151	3.92	.10	3	300	4.03	23	.17	4	4.00	.09	.03	2	1
8 R-00102	1	81	14	74	.3	20	4	146	1.41	77	10	ND	2	6	1	2	2	12	.11	.02	5	16	.32	111	.01	5	.50	.01	.08	2	7
8 R-00103	1	46	6	49	.1	16	3	200	1.69	228	7	ND	2	11	1	3	2	11	.16	.03	4	20	.21	108	.01	6	.38	.01	.06	2	1
8 R-00104	1	76	9	44	.1	15	5	250	1.89	128	11	ND	2	4	1	3	2	9	.06	.04	5	15	.27	57	.01	5	.54	.01	.07	2	1
8 R-00105	1	44	9	43	.1	11	3	458	1.65	92	12	ND	2	5	1	2	2	10	.07	.03	4	11	.21	64	.01	4	.42	.01	.04	2	1
6 R-00106	2	50	7	121	.1	73	20	1262	6.50	225	5	ND	2	54	1	6	2	77	4.12	.16	9	63	1.05	100	.01	36	.92	.01	.20	3	1
8 R-00107	1	22	7	22	.1	9	2	362	1.30	21	8	ND	2	3	1	2	2	6	.03	.02	4	8	.13	45	.01	8	.32	.01	.04	2	1
8 R-00108	1	39	8	47	.1	23	5	561	2.49	57	5	ND	2	13	1	2	2	18	.71	.05	5	19	.29	82	.01	17	.50	.01	.08	2	1
10 R-00109	1	10	2	59	.1	2	2	1005	2.05	2	5	ND	2	15	1	2	2	7	.56	.08	8	2	.30	38	.04	4	.58	.05	.12	2	1
10 R-00110	1	13	5	82	.1	4	2	2119	2.63	3	6	ND	2	24	1	2	2	6	.22	.06	6	4	.22	66	.04	7	.58	.07	.14	2	1
3 R-00111	1	101	6	94	.1	11	8	145	2.77	12	5	ND	2	74	1	2	2	84	1.64	.05	2	20	.86	289	.18	8	3.47	.20	.61	2	2
3 R-00112	1	114	4	68	.1	13	10	170	3.38	10	5	ND	2	69	1	2	2	93	1.47	.06	2	21	1.03	323	.22	6	3.47	.27	.76	2	2
3 R-00113	1	83	3	41	.1	11	7	131	2.71	7	5	ND	2	83	1	2	2	77	1.85	.06	2	19	.83	247	.16	7	3.80	.23	.56	2	1
2 R-00114	2	45	7	19	.1	849	28	101	1.33	48	5	ND	2	37	1	17	2	10	.30	.04	2	148	1.39	134	.02	6	.71	.02	.03	2	8
2 R-00115	1	60	7	64	.1	19	7	302	3.27	5	5	ND	2	56	1	3	2	90	.63	.04	2	22	1.33	620	.25	2	2.47	.11	1.08	2	2
2 R-00116	6	71	9	33	.1	175	18	101	2.50	47	5	ND	2	90	1	7	2	69	1.29	.21	10	82	1.10	456	.15	7	2.60	.29	.55	2	1
2 R-00117	2	47	5	15	.1	404	17	54	1.06	18	5	ND	2	90	1	3	2	33	1.71	.07	3	174	.92	626	.08	4	3.10	.21	.35	2	1
2 R-00118	2	67	4	29	.1	584	27	116	1.73	58	5	ND	2	42	1	6	2	37	.86	.05	4	329	1.40	510	.12	3	2.19	.16	.58	2	7
2 R-00119	1	87	7	70	.1	39	12	408	2.50	19	5	ND	2	14	1	2	2	40	.27	.06	9	36	.76	528	.11	3	1.68	.03	.64	2	3
7 R-00121	2	65	5	71	.1	133	24	924	5.29	10	5	ND	2	52	1	2	2	127	4.73	.08	5	201	3.13	56	.30	45	3.91	.03	.03	2	1
8 R-00122	1	42	12	81	.1	22	9	1664	3.99	28	5	ND	2	25	1	2	2	18	.87	.09	7	10	.41	91	.01	11	.57	.02	.10	2	1
8 R-00123	2	59	21	64	.1	15	4	756	2.07	19	5	ND	2	45	1	2	2	10	2.00	.03	4	8	.22	63	.01	10	.28	.01	.07	2	1
6 R-00124	3	95	9	107	.1	142	31	1446	7.25	170	5	ND	2	479	1	8	2	154	5.40	.13	11	134	3.38	383	.01	14	.59	.01	.08	2	2
6 R-00125	2	54	5	48	.1	75	19	896	5.08	65	5	ND	2	144	1	5	2	76	5.69	.15	12	85	2.83	150	.02	19	2.05	.03	.10	2	1
6 R-00126	2	44	5	51	.1	61	17	830	4.97	103	5	ND	2	151	1	12	2	35	5.42	.16	11	42	2.70	107	.01	16	.58	.02	.10	2	1
8 R-00127	1	53	4	41	.1	46	6	412	2.17	4	5	ND	2	14	1	3	2	38	.48	.05	4	27	1.78	46	.07	6	1.30	.01	.03	2	1
' R-00128	1	85	3	30	.1	55	17	256	3.81	9	5	ND	2	60	1	3	2	197	1.52	.01	2	31	1.52	6	.13	4	2.76	.29	.02	2	1
11 R-00129	1	57	3	24	.1	17	14	287	3.35	4	5	ND	2	23	1	2	2	92	.80	.08	2	20	.96	7	.13	5	1.61	.16	.03	2	1
3 R-00130	1	68	2	10	.1	15	8	131	1.63	25	5	ND	2	103	1	3	2	12	2.21	.07	2	7	.10	19	.07	5	2.31	.29	.02	2	4
3 R-00131	2	87	1	24	.1	13	10	98	2.74	9	5	ND	2	108	1	3	2	64	1.84	.07	2	13	.63	98	.12	4	2.95	.36	.38	2	5
3 R-00132	2	70	4	41	.1	10	8	161	2.76	12	5	ND	2	121	1	2	2	38	2.47	.05	2	9	.57	138	.08	4	4.13	.23	.27	2	4
11 R-00133	1	27	4	23	.1	19	5	226	2.44	6	5	ND	2	37	1	2	2	57	.50	.12	5	30	.81	52	.10	4	1.37	.09	.05	2	2
55 R-00134	1	49	2	46	.1	9	7	191	2.78	6	5	ND	2	110	1	2	2	69	3.52	.05	2	14	.95	130	.15	4	3.44	.29	.76	2	2
5 R-00135	1	44	1	43	.1	9	6	195	2.46	4	5	ND	2	101	1	2	2	61	3.45	.06	3	15	.81	88	.15	4	3.19	.30	.64	2	1
5 R-00136	1	76	1	47	.1	12	7	195	2.79	7	5	ND	2	100	1	2	2	62	3.94	.07	2	17	.91	54	.15	5	2.59	.22	.75	2	1
5 R-00137	3	93	6	29	.1	28	14	391	4.32	6	5	ND	2	120	1	3	2	45	5.71	.04	2	46	.76	36	.09	4	2.18	.16	.40	2	1
3,7 R-00138	2	79	6	13	.1	41	7	1506	4.93	213	5	ND	2	67	1	7	2	27	25.16	.01	2	34	5.87	13	.01	6	.26	.03	.02	2	2
6 R-00139	2	323	436	27	18.8	42	37	147	7.17	28587	8	ND	2	12	1	84	96	4	.12	.06	3	4	.07	14	.01	17	.16	.01	.07	2	1630
8 R-00140	4	29	[illegible]	19	.1	444	25	134	2.05	34	5	ND	2	73	1	3	2	36	.50	.04	2	368	2.40	109	.02	5	1.77	.09	.05	2	5
8 R-00141	1	47	8	55	.1	14	5	534	3.96	17	5	ND	2	20	1	2	2	100	.31	.10	3	27	1.20	238	.12	2	2.01	.10	.80	2	11

See GEOLOGY MAP I for a description of rock type: i.e. 11. 10. 9. etc.

ROCK GEOCHEMISTRY

Rock type	Sample No.	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe %	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca %	P %	La	Cr	Mg %	Ba	Ti %	B	Al %	Na %	K %	W	Au ppb
	all values in ppm unless otherwise indicated																															
7	R-04651	1	62	2	55	.1	28	16	905	3.78	7	5	ND	2	281	1	2	2	98	10.32	.05	2	37	1.39	43	.20	2	1.85	.08	.11	2	2
7	R-04652	1	32	4	60	.1	28	15	1223	5.03	20	5	ND	2	99	1	2	2	118	10.34	.04	2	51	1.77	74	.10	6	1.53	.08	.01	2	1
9	R-04653	1	68	2	83	.2	41	23	1303	6.15	16	6	ND	2	99	1	2	2	184	5.24	.08	2	90	2.04	110	.13	7	2.40	.14	.08	2	2
9	R-04654	1	59	4	82	.1	40	23	1213	6.01	18	5	ND	2	79	1	2	2	182	4.39	.07	2	79	2.04	113	.16	14	2.67	.17	.05	2	3
9	R-04655	3	203	9	130	.3	81	13	21812	6.64	65	5	ND	2	27	1	2	2	113	.31	.04	36	8	.26	76	.02	11	.63	.01	.09	2	47
8	R-04656	1	64	8	79	.1	34	23	1214	6.26	17	7	ND	2	59	1	2	2	174	3.98	.07	2	53	1.95	88	.15	10	2.49	.16	.05	2	1
9	R-04657	1	40	7	63	.2	15	8	786	3.70	44	7	ND	2	299	1	2	2	55	3.73	.08	5	25	1.36	172	.01	2	.94	.05	.04	2	9
9	R-04658	1	39	8	75	.1	22	10	848	3.84	7	5	ND	2	80	1	2	2	72	2.70	.09	7	45	1.16	158	.01	2	1.30	.05	.04	2	3
9	R-04659	1	38	7	72	.1	17	9	765	3.62	10	6	ND	2	151	1	2	2	55	3.17	.08	7	25	.85	265	.01	2	.93	.06	.04	2	4
9	R-04660	1	29	8	75	.1	26	10	744	3.74	12	5	ND	2	133	1	2	2	61	2.66	.07	6	42	1.15	145	.01	2	.98	.07	.06	2	3
9	R-04661	1	26	5	77	.2	40	11	736	3.69	13	5	ND	2	128	1	2	2	63	2.58	.07	4	59	1.57	123	.01	2	1.13	.08	.05	2	5
△	R-04662	4	90	1	88	.3	34	8	711	.98	22	5	ND	2	4	1	2	2	21	.05	.01	2	5	.02	35	.01	6	.04	.01	.01	2	8
△	R-04663	3	47	7	24	.1	12	2	405	3.43	27	5	ND	2	19	1	2	2	37	.30	.03	11	4	.11	88	.01	6	.11	.01	.03	2	20
6	R-04664	3	9	2	24	.2	967	46	696	3.99	52	5	ND	2	82	1	2	4	17	1.15	.01	2	495	13.86	59	.01	27	.12	.02	.01	6	1
6	R-04665	3	10	4	18	.2	886	42	681	3.83	76	5	ND	2	23	1	2	6	19	.52	.01	2	350	14.58	59	.01	17	.07	.01	.01	2	1
6	R-04666	3	8	2	16	.2	1286	56	493	3.77	123	5	ND	2	24	1	2	7	17	.52	.01	2	494	14.77	75	.01	40	.11	.01	.01	2	1
6	R-04667	1	45	6	25	.2	290	11	262	2.01	46	5	ND	2	14	1	2	2	9	.15	.01	2	81	2.41	66	.01	3	.07	.01	.01	2	2
6	R-04668	2	9	6	18	.2	1009	46	620	3.81	82	5	ND	2	32	1	2	7	21	.59	.01	2	463	14.51	66	.01	34	.11	.02	.01	2	3
8	R-04669	1	30	11	80	.1	34	6	1234	3.54	16	5	ND	2	18	1	2	2	12	.67	.06	12	7	.55	176	.01	4	.95	.02	.14	2	5
6	R-04670	2	45	6	58	.2	174	16	1182	3.92	84	5	ND	2	73	1	2	2	49	2.08	.05	2	57	4.29	179	.01	3	.32	.01	.03	2	2
6	R-04671	2	30	7	46	.1	82	13	1069	3.97	53	7	ND	2	130	1	2	2	37	4.49	.12	8	32	4.63	185	.01	6	.34	.02	.06	2	1
6	R-04672	1	65	10	69	.2	437	30	1187	4.61	145	5	ND	2	142	1	2	2	102	3.26	.11	2	213	6.07	93	.01	2	2.06	.01	.02	2	2
6	R-04673	1	70	6	42	.3	20	6	512	2.61	15	5	ND	2	9	1	2	2	12	.07	.02	6	7	.12	298	.01	6	.20	.01	.02	2	16
8	R-04674	2	146	15	85	.3	57	7	3677	11.16	7	5	ND	2	107	1	2	2	149	2.52	.08	11	26	.82	104	.01	7	1.57	.01	.08	2	295
8	R-04675	1	65	3	46	.1	51	18	990	4.41	28	7	ND	2	69	1	2	2	105	7.11	.03	2	142	3.11	67	.07	11	2.35	.21	.02	2	2
9	R-04676	1	41	11	74	.2	17	9	819	3.83	6	5	ND	2	76	1	2	2	80	1.98	.09	7	44	1.67	102	.01	2	1.78	.06	.05	2	10
9	R-04677	1	37	12	108	.2	19	9	781	3.72	5	5	ND	2	79	1	2	2	77	1.88	.09	7	45	1.55	89	.01	2	1.72	.09	.05	2	6
△	R-04678	1	65	14	71	.1	42	8	1445	3.80	4	5	ND	2	37	1	2	2	31	2.47	.04	20	21	.80	48	.01	10	.91	.01	.04	2	2
8	R-04679	2	72	7	156	.2	230	29	1780	6.86	103	8	ND	2	236	1	2	2	152	4.31	.14	4	143	3.09	189	.01	11	1.48	.02	.10	2	7
	R-04680	1	91	20	60	.1	33	8	6121	3.39	24	5	ND	2	47	1	2	2	19	.80	.05	13	7	.21	151	.01	5	.13	.01	.05	2	3
6	R-04681	1	79	5	45	.4	147	10	584	2.75	30	5	ND	2	34	1	2	3	20	.29	.02	4	66	1.10	131	.01	11	.24	.01	.06	2	10
8	R-04682	1	42	8	41	.2	33	5	489	1.84	2	5	ND	2	8	1	2	2	14	.12	.02	6	11	.71	35	.01	4	.91	.01	.06	2	3
8	R-04683	1	49	4	52	.1	119	20	1001	4.35	99	5	ND	2	104	1	2	2	82	8.71	.04	2	142	3.61	224	.01	2	1.06	.07	.05	2	1
6,7	R-04684	1	54	9	150	.1	89	27	1260	6.30	10	5	ND	2	46	1	2	2	95	2.80	.24	22	58	2.04	46	.10	4	1.72	.02	.15	2	1
8	R-04685	1	45	5	135	.2	32	26	1289	6.65	10	5	ND	2	45	1	2	2	104	2.54	.26	19	58	2.22	45	.10	6	1.99	.02	.14	2	1
8	R-04686	1	49	7	124	.1	103	29	1732	6.67	6	5	ND	2	64	1	2	2	98	3.31	.22	17	54	2.65	45	.08	2	1.95	.02	.11	2	1
8	R-04687	2	14	4	37	.2	849	38	888	3.98	18	5	ND	2	84	1	2	5	44	1.01	.02	2	673	10.76	146	.01	6	.59	.01	.01	2	1

↑ See GEOLOGY MAP I for a description of rock type; i.e. 11, 10, 9, etc.

▲ Quartz-carbonate vein

△ Quartz vein

	Sample No. *all values in ppm unless otherwise indicated*	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe %	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca %	P %	La	Cr	Mg %	Ba	Ti %	B	Al %	Na %	K %	W	Au ppb
8	R-04688	3	53	8	96	.1	87	21	1324	8.55	8	5	ND	2	38	1	2	2	125	2.13	.22	26	52	1.88	39	.09	2	1.33	.01	.09	2	1
8	R-04689	2	49	9	85	.2	85	23	1322	5.74	4	5	ND	2	64	1	2	2	108	4.06	.17	13	76	2.64	29	.06	2	1.83	.02	.06	2	1
8	R-04690	2	23	8	121	.2	119	28	1544	6.25	6	5	ND	2	37	1	2	2	126	2.01	.25	20	102	2.94	33	.08	2	2.09	.02	.08	2	1
8	R-04691	2	21	8	140	.2	119	29	1360	6.73	4	5	ND	2	47	1	2	2	131	2.20	.23	19	95	3.06	121	.08	5	2.49	.02	.06	2	1
8	R-04692	2	23	9	139	.3	94	29	1030	7.01	7	5	ND	2	40	1	2	2	124	1.57	.25	21	76	2.57	40	.10	2	2.21	.02	.08	2	1
8	R-04693	1	29	11	150	.2	102	30	1375	6.29	5	5	ND	2	95	1	2	2	97	3.31	.22	16	66	2.64	39	.07	2	2.61	.02	.07	2	1
7	R-04694	2	117	4	63	.1	120	25	1498	4.86	2	7	ND	2	184	1	2	2	92	8.97	.07	2	143	3.63	24	.01	2	3.13	.01	.02	2	1
8	R-04696	1	53	11	50	.1	127	21	747	4.57	301	31	ND	2	197	1	2	2	102	7.81	.10	6	194	2.61	97	.08	10	2.94	.05	.03	2	1
8	R-04697	2	101	75	45	3.4	103	22	590	4.62	10660	37	ND	2	191	1	11	18	70	6.27	.08	5	157	2.58	25	.08	18	2.44	.05	.07	2	210
8	R-04698	2	43	4	48	.1	120	20	637	3.91	28	29	ND	2	189	1	2	2	78	7.41	.09	6	177	2.68	29	.25	21	2.61	.06	.06	2	2
8	R-04699	1	59	13	47	.3	129	20	546	3.89	1282	37	ND	2	149	1	2	3	65	4.81	.10	5	168	2.50	79	.16	14	2.48	.10	.07	2	21
7,8	R-04700	1	49	5	61	.1	114	24	779	4.81	122	37	ND	2	141	1	2	2	121	6.71	.13	6	204	1.96	16	.09	5	2.83	.08	.04	2	73
8	R-04701	1	390	4	23	.6	24	8	169	5.24	23	5	ND	2	47	1	2	2	162	.63	.36	9	30	.81	46	.22	3	1.92	.09	.22	2	3
ADIT 8	R-04702	6	95	3953	127	124.0	186	1724	139	25.01	21486	5	49	8	19	3	1303	1512	2	.09	.01	2	1	.04	15	.01	2	.04	.01	.05	2	61100
7	R-04703	1	49	16	48	.3	90	24	705	3.86	1086	7	ND	2	235	1	7	2	35	11.87	.06	3	75	.87	188	.01	2	.98	.02	.06	2	180
8	R-04704	1	24	12	77	.2	9	6	785	3.31	61	5	ND	2	15	1	2	2	23	.62	.10	12	10	.63	115	.07	9	1.27	.04	.13	2	3
8	R-04705	2	38	4	42	.1	25	14	749	3.61	207	7	ND	2	95	1	7	2	44	8.70	.09	4	24	2.30	74	.01	2	.59	.02	.10	2	115
8	R-04706	1	48	7	125	.1	77	24	800	6.36	18	5	ND	2	87	1	3	2	64	3.63	.16	12	47	.80	153	.04	2	1.84	.08	.38	2	1
8	R-04707	1	11	3	6	.1	5	1	175	.63	43	5	ND	2	9	1	3	2	4	.14	.01	2	3	.03	62	.01	7	.05	.01	.01	2	10
8	R-04708	2	64	9	50	.9	21	5	163	2.06	568	5	ND	2	22	1	71	2	6	.04	.04	16	5	.05	177	.01	6	.28	.01	.14	2	52
8	R-04709	3	70	13	55	.3	16	3	117	2.77	194	5	ND	2	14	1	20	2	19	.01	.04	16	9	.11	121	.01	2	.36	.01	.15	2	10
8	R-04710	1	50	8	42	.2	17	4	604	2.05	31	5	ND	2	4	1	2	2	19	.04	.03	9	19	.37	123	.01	2	.95	.01	.10	2	4
8	R-04711	1	40	11	87	.2	59	10	1351	3.99	14	5	ND	2	18	1	2	2	56	.16	.08	7	44	1.50	248	.05	6	2.49	.05	.30	2	1
8	R-04712	1	60	7	47	.1	14	4	487	1.95	30	5	ND	2	9	1	2	2	8	.05	.05	8	12	.13	126	.01	2	.35	.01	.05	2	4
8	R-04713	1	47	5	34	.1	19	6	270	2.83	19	5	ND	2	23	1	2	2	43	.24	.06	8	31	.74	339	.04	2	1.36	.08	.23	2	13
8	R-04714	2	52	5	43	.2	118	22	905	3.90	204	8	ND	2	140	1	7	2	68	9.27	.08	2	123	2.67	46	.01	5	1.99	.01	.08	2	205
11	R-04715	2	72	7	42	.3	51	16	318	4.91	2	5	ND	2	78	1	2	2	86	1.27	.18	9	69	1.45	67	.22	6	2.92	.29	.26	2	5
▲	R-0471.	1	63	6	43	.1	25	14	1333	5.71	484	9	ND	2	82	1	2	2	109	9.44	.05	5	26	3.14	7	.01	23	.45	.01	.01	2	3
11	R-04718	2	81	6	95	.1	22	8	405	9.58	8	5	ND	2	13	1	2	2	50	.54	.27	7	50	1.05	4	.28	13	1.64	.05	.01	2	1
△	R-04719	1	91	6	25	.1	20	6	709	1.44	69	11	ND	2	7	1	2	2	12	.34	.02	4	12	.35	69	.01	5	.38	.01	.03	2	1
8	R-04720	1	56	2	66	.1	14	10	179	3.79	8	5	ND	2	28	1	2	2	104	.57	.06	2	23	1.25	362	.26	6	2.59	.12	.99	2	1
8	R-04721	1	62	1	53	.1	14	9	148	3.11	16	5	ND	2	43	1	2	2	95	.81	.05	2	21	1.00	289	.20	4	2.71	.15	.80	2	1
8	R-04722	1	72	2	63	.1	13	9	196	3.37	6	5	ND	2	50	1	2	2	100	.83	.05	4	22	1.15	348	.23	5	2.98	.14	.98	2	1
▲	R-04723	1	31	6	43	.1	43	21	935	5.76	27	25	ND	2	49	1	2	2	145	3.29	.11	8	98	2.27	15	.02	36	2.21	.04	.03	2	1
11	R-04724	1	22	4	47	.1	75	20	1032	5.19	154	31	ND	2	89	1	8	2	85	7.19	.05	5	87	2.39	16	.01	47	1.21	.02	.05	2	1
8	R-04725	2	220	161	67	9.4	42	29	76	8.06	28600	5	ND	2	25	1	73	67	16	.26	.08	5	8	.14	22	.01	16	.54	.03	.07	9	795

See GEOLOGY MAP I for a description of rock type; i.e. 11, 10, 9, etc.

▲ Quartz-carbonate vein

△ Quartz vein

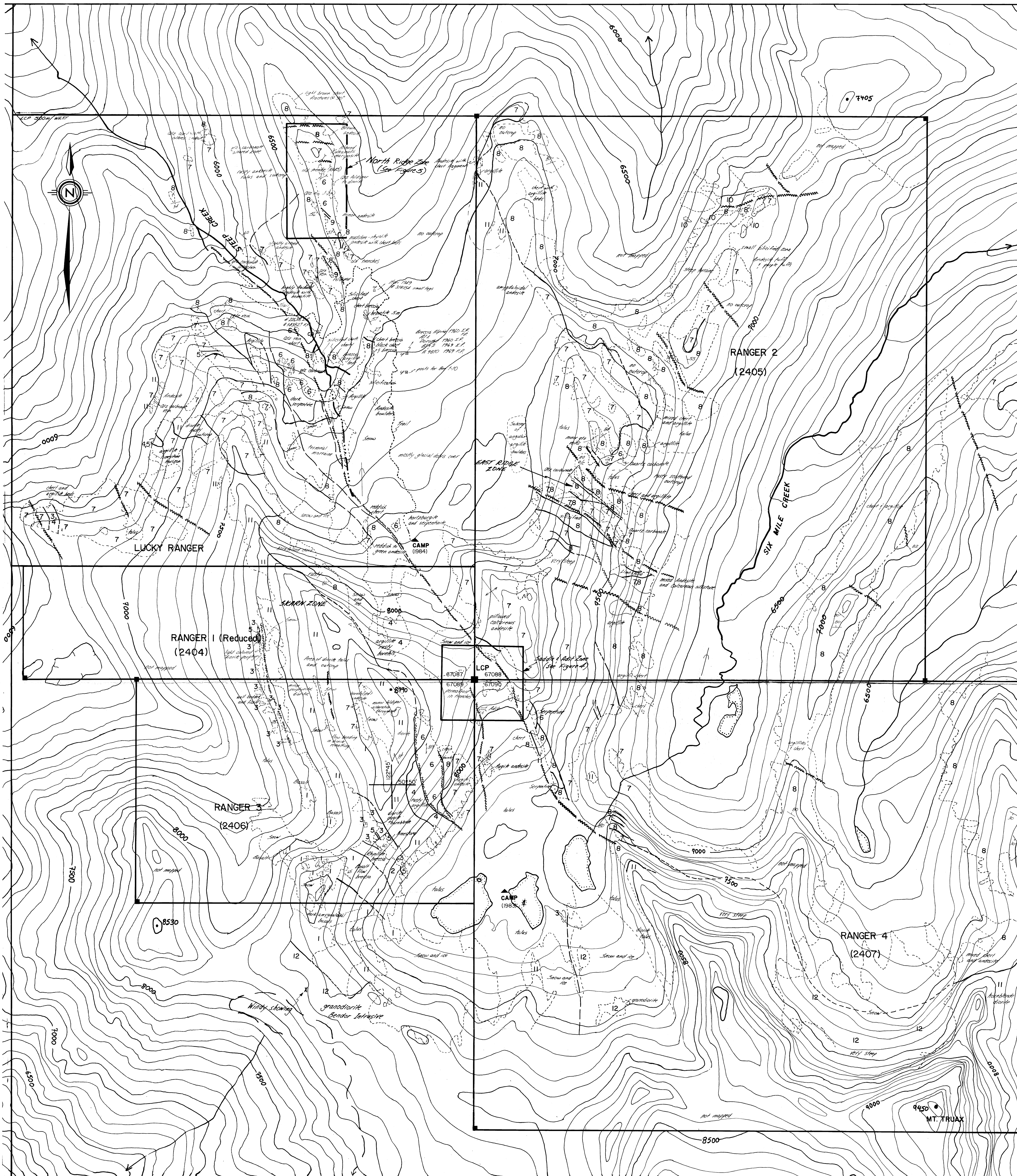
Rock type	Sample No.	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe %	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca %	P %	La	Cr	Mg %	Ba	Ti %	B	Al %	Na %	K %	W	Au ppb
7,8	R-04801	2	49	4	44	.1	189	20	1047	4.26	307	7	ND	2	273	1	25	2	57	9.74	.05	2	303	4.67	80	.02	6	2.21	.01	.19	2	85
7,8	R-04802	2	38	7	40	.1	90	15	741	3.90	29	7	ND	2	173	1	2	2	90	11.91	.05	2	131	3.94	27	.01	2	2.02	.06	.01	2	5
8	R-04803	3	22	14	34	.2	11	2	69	2.34	28	5	ND	2	10	1	7	2	12	.12	.03	11	10	.08	322	.01	2	.25	.01	.14	2	9
8	R-04804	5	73	8	46	.1	42	18	19662	4.57	199	6	ND	2	117	1	2	2	59	7.10	.06	5	33	.87	89	.05	48	.94	.01	.13	2	2
8	R-04805	1	147	6	40	.1	18	8	483	3.80	6	5	ND	2	45	1	2	2	47	.69	.05	2	48	1.08	13	.15	15	1.31	.02	.01	2	1
8	R-04806	1	79	6	58	.1	43	18	858	5.90	6	5	ND	2	28	1	2	2	140	2.75	.10	2	79	1.94	12	.10	6	2.42	.05	.01	2	1
11	R-04807	2	142	6	63	.1	65	25	830	6.40	3	5	ND	2	27	1	2	2	156	2.06	.10	3	83	2.47	15	.07	9	2.73	.05	.02	2	1
11	R-04808	1	301	2	54	.1	56	27	1008	4.70	2	5	ND	2	67	1	2	2	92	6.34	.05	2	99	2.14	14	.13	30	2.44	.05	.01	2	3
11	R-04809	2	179	12	24	.1	17	20	216	8.01	3	5	ND	2	43	1	2	2	26	1.10	.03	2	9	.61	10	.14	2	.79	.01	.01	2	3
11	R-04810	1	189	1	36	.1	25	16	387	2.76	2	5	ND	2	44	1	2	2	52	1.29	.05	2	31	1.55	12	.18	9	1.57	.01	.01	2	1
11	R-04811	1	123	4	37	.1	22	13	412	4.08	3	5	ND	2	33	1	2	2	59	1.17	.06	2	21	1.71	7	.16	2	1.65	.01	.01	2	1
▲	R-04812	1	439	6	338	.1	30	13	1709	4.16	374	5	ND	2	89	1	2	2	62	15.41	.03	2	31	3.41	18	.02	20	.33	.02	.01	2	1
11	R-04813	2	6564	2	47	.1	42	51	354	4.35	5	5	ND	2	26	1	2	2	40	1.54	.06	2	57	1.54	7	.18	2	1.61	.02	.01	2	3
▲	R-04814	2	21	3	42	.1	20	10	1337	5.04	251	5	ND	2	164	1	2	2	69	11.36	.03	2	27	3.22	119	.01	10	.57	.03	.01	2	110
8,6	R-04815	2	47	7	73	.1	40	22	1228	6.45	39	5	ND	2	91	1	2	2	137	6.51	.07	2	49	2.41	136	.04	13	2.18	.13	.05	2	71
6	R-04816	2	66	6	83	.4	47	23	1398	7.68	768	5	ND	2	98	1	6	2	155	4.67	.08	2	57	1.88	180	.01	11	.60	.03	.06	2	1410
6	R-04817	1	64	5	65	.2	31	19	1135	5.71	273	5	ND	2	133	1	26	2	108	5.09	.06	2	38	2.52	124	.05	12	1.92	.12	.07	2	665
6	R-04818	1	57	3	69	.1	41	19	1074	5.70	12	5	ND	2	56	1	2	2	144	3.40	.08	4	54	1.97	61	.09	16	2.31	.15	.04	2	31
6	R-04819	1	72	4	64	.1	66	24	1011	5.70	2	5	ND	2	89	1	2	2	132	5.26	.05	2	138	2.55	132	.05	9	2.82	.24	.03	2	1
8	R-04820	5	139	9	99	.1	74	11	9869	6.58	53	5	ND	2	40	1	2	2	85	1.43	.05	22	18	.36	80	.01	15	.45	.01	.07	2	59
3	R-04821	2	60	18	36	.7	8	2	328	2.59	150	9	ND	2	8	1	2	6	7	.21	.03	8	5	.21	209	.01	5	.27	.01	.13	2	6
3	R-04822	2	134	13	77	.1	37	9	2093	3.78	46	5	ND	2	29	1	2	2	30	.56	.08	15	18	.70	656	.01	8	.91	.01	.07	2	5
6	R-04823	3	7	4	17	.1	1058	46	634	4.11	237	5	ND	2	45	1	2	2	17	1.01	.01	2	318	12.88	79	.01	34	.05	.01	.01	3	29
6	R-04824	2	19	4	13	.1	35	6	2581	1.72	25	5	ND	2	10	1	2	2	24	.97	.02	3	7	.20	23	.01	3	.04	.01	.01	2	6

all values in ppm unless otherwise indicated

See GEOLOGY MAP I for a description of rock type; i.e. 11, 10, 9, etc.

▲ Quartz-carbonate vein

△ Quartz vein



RANGER I (2404)	CLAIM (Record No.)
┌	Claim line
■ 67087	LCP & Tag No.
▪	Corner Post, located
	ID Post, located, not located (Claim Post locations were established using a 1:50,000 Topographic Map

CRETACEOUS

12 Granodiorite: Bendor Intrusive

JURASSIC

11 Diorite: Augite hornblende to quartz diorite suite, some calcite and silica rich sections

MIDDLE TRIASSIC FERGUSSON GROUP
VOLCANIC-SEDIMENTARY SERIES 2

10 Rhyolite tuff: bleached, light colored fine grained unit, some feldspar fragments can be seen.

9 Feldspar porphyry: bleached, yellowish to rusty colored, minor hornblende can be seen.

8 Chert: rusty to tan coloured and well bedded, some sections are silicified, unit contains interbeds of basic volcanics and argillites.

7 Andesite: dark green to light colored and well foliated, original flow banding, pillows, ropy textures, folding can be seen locally.

6 Serpentinite: dark green to light brown varieties of hartzburgite to peridotite, some quartz-carbonate-mariposite altered areas occur.

VOLCANIC-SEDIMENTARY SERIES 1

5 Limestone: white surgary, crystalline and well bedded, minor skarn at the contact with diorite.

4 Argillite: dark, rusty, well bedded and silicified. contains greywacke and cherty interbeds.

3 Chert: rusty thinly bedded often silicified, contains thin beds of argillite similar to Unit 8

2 Rhyolite Breccia: light, hard and well foliated. fragments are angular felsic volcanics and cherts, pyritic fragments occur in the matrix material.

1 Basalt: dark, soft and amydaloidal, flows and flow breccia. large angular fragments and basaltic.

Limit of rock exposure
Contact; known, inferred
Bedding; strike dip foliation; strike dip
Anticline
Fault
Adit, trench
Direction of glaciation
Tarn
Detail area

Contour Interval = 100 feet

0 100 500 metres

GEOLOGICAL BRANCH ASSESSMENT REPORT

14,225

NEWMONT EXPLORATION OF CANADA LIMITED

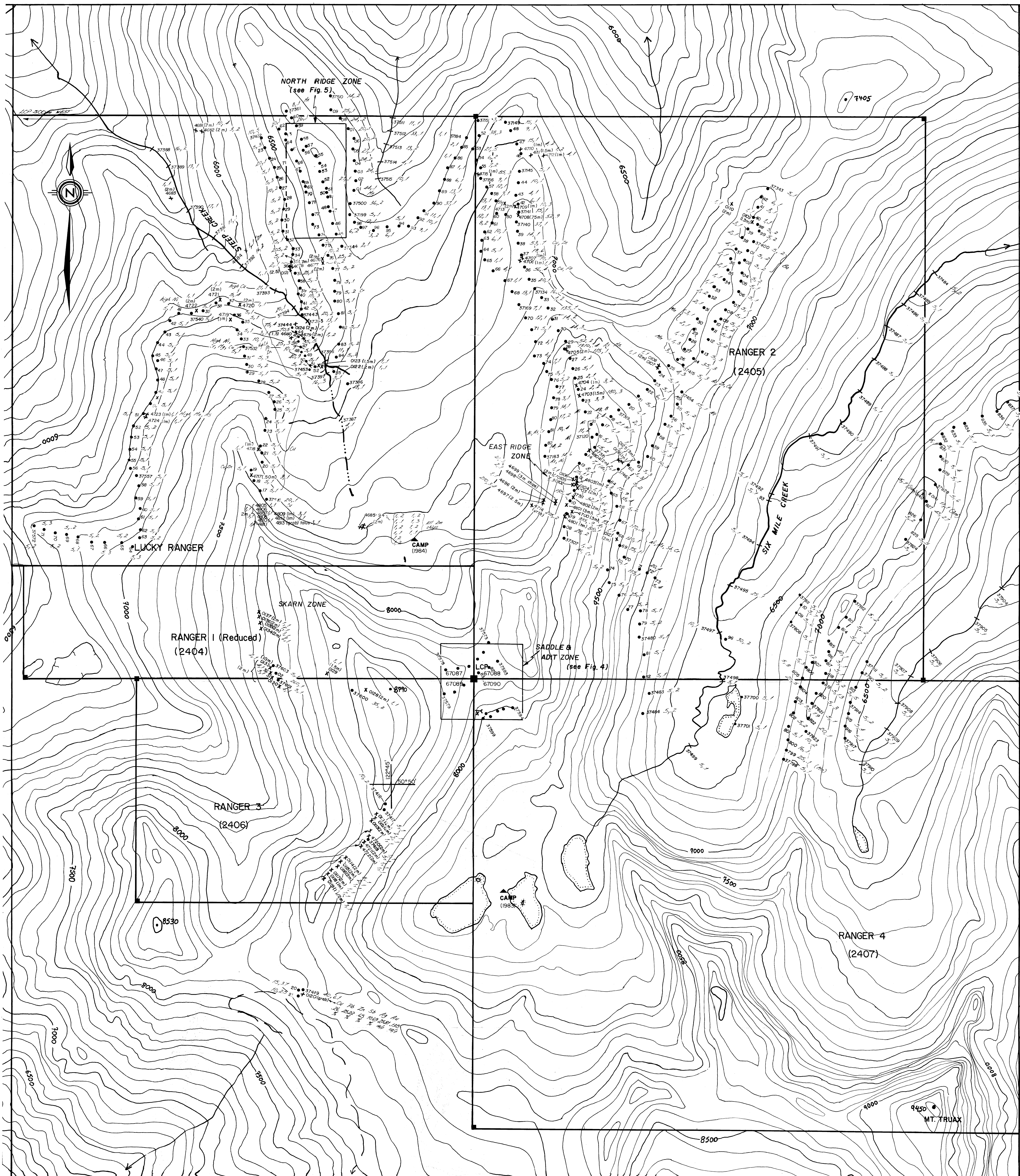
CADWALLADER SURVEY
RANGER CLAIMS - GEOLOGY

LILLOOET MINING DIVISION

SCALE:	LOCATION:	DATE:
1:5,000	92 J/15	MAR. 5, 1985
SURVEY BY: JAT	DRAWN BY: JAT	NUMBER: 1

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA T. N. MACAULEY

Map 1



RANGER I (2404)	CLAIM (Record No.)
	Claim line
67087	LCP & Tag No.
	Corner Post, located
	I D Post; located, not located (Claim Post locations were established using a 1:50,000 Topographic Map

Survey type - Soil, silt & rock

- Soil • 33751 11,.1 Sample number Au, Ag
- Silt 37908 5,.1 Sample number Au, Ag
- Rock x 0114 (2m) 8,.1 Sample number (width) Au, Ag

Threshold values -

- Soil 25,.7 Au, Ag
- Silt 25,.7 Au, Ag
- Rock 60,1.0 Au, Ag (cherty sediments)
- 30,1.0 Au, Ag (basic volcanics)
- 25,.7 Au, Ag (others)

Claims located by - topographic map
Sample depth - 20-35 cm
Sampled horizon - B and/or C
Sampling method - mattock, trowel, chisel
Sample prep - -35 mesh and pulverize
Digestion / Analysis - 30 element ICP 3:1:3 $HNO_3 : HCl : H_2O$
For Au / aqua regia MIBK For rocks Au by FA & AA

Contour Interval = 100 feet

GEOLOGICAL BRANCH
ASSESSMENT REPORT

14,225

0 100 500
metres

Au (ppb), Ag (ppm)

PROFESSIONAL PROVINCE OF T. N. MACAULEY BRITISH COLUMBIA ENGINEER

Map 2

NEWMONT EXPLORATION OF CANADA LIMITED

CADWALLADER SURVEY
RANGER CLAIMS — GEOCHEMISTRY

LILLOOET MINING DIVISION

SCALE: 1:5,000	LOCATION: 92 J/15	DATE: MAR. 5, 1985
SURVEY BY: JAT	DRAWN BY: JAT	NUMBER: 2