Geochemical Sampling
Core Logging and Sampling
and Geological Mapping
of the Canim 1 - 4 and Horse Claims

for

Cepeda Minerals Inc.
and
Canevex Reosources Ltd.

by

Mincord Exploration Consultants Ltd.

Clinton Mining Division
Latitude: 51 degrees 51 minutes North
Longitude: 120 degrees 53 minutes West
NTS Maps: 92P/15

A. J. Buskas
November, 1989

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A. Introduction

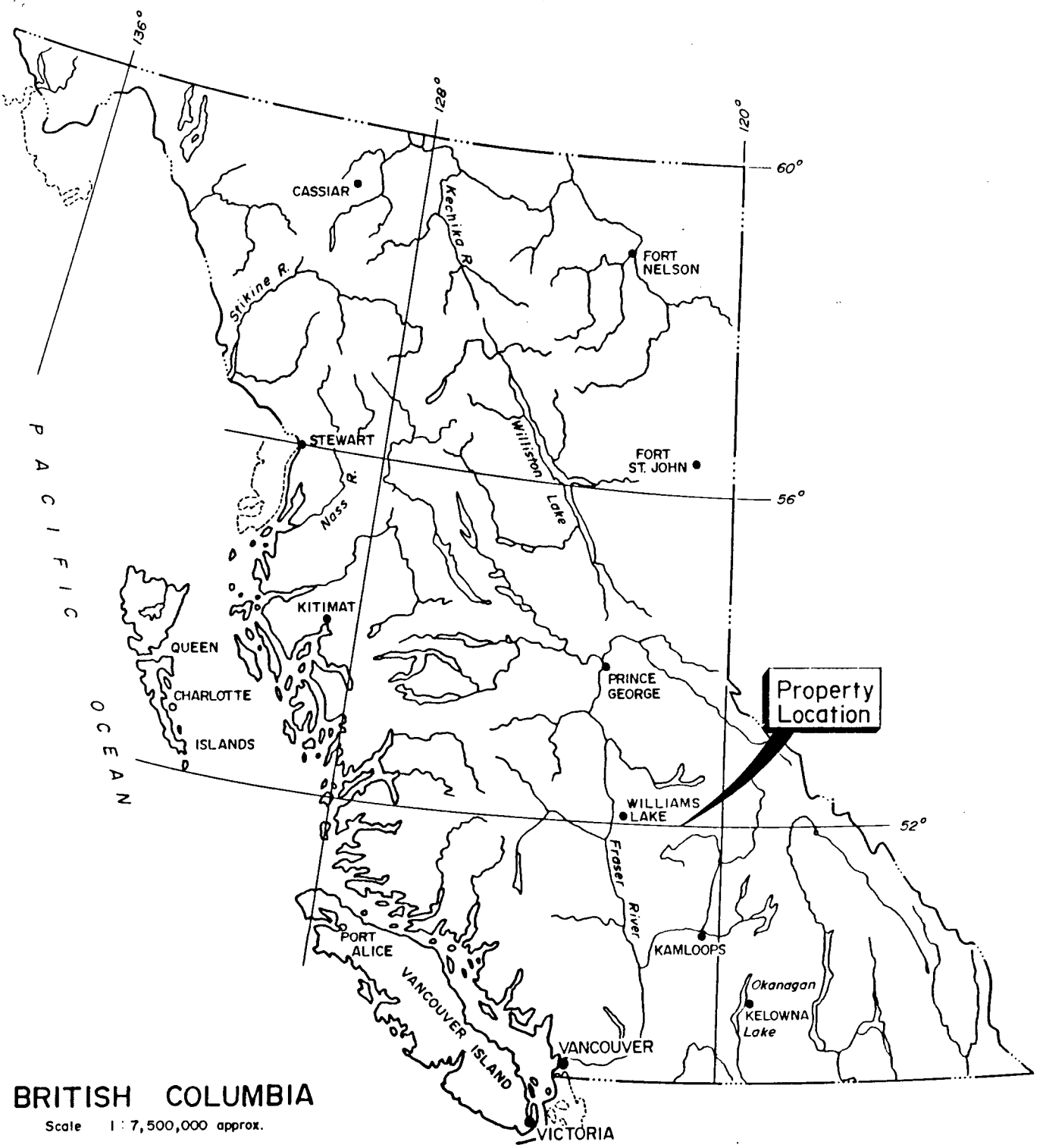
During the periods of August 1 to August 30, 1989 and October 16 to October 25, 1989 an exploration program was conducted on the Canim property. The Canim property is located forty kilometers northeast of 100 Mile House, British Columbia at 51 degrees 57 minutes north latitude and 120 degrees 53 minutes west longitude on NTS map sheet 92P/15 in the Clinton Mining Division. The program was conducted by Mincord Exploration Consultants Ltd. on behalf of Cepeda Minerals Inc. Cepeda Minerals Inc. holds these mineral claims under the terms of an option agreement with Canevex Resources Ltd. This report covers work filed for assessment with the British Columbia Department of Energy Mines and Resources on August 14, 1989 and November 16, 1989. The filing of August 14 is for core logging which is covered in section H of this report. The November 16 filing covers all other work including the geochemical analyses of core samples discussed in section H.

Work conducted during this program included establishing a 1.2 kilometer base line and 44.5 kilometers of flagged soil sample lines. A total of 694 meters of core was logged from diamond drill holes completed in 1974 by Pickands Mather & Co. Prospecting and geological mapping at a scale of 1:5000 was conducted over the property. Two small mineral occurrences exposed along logging roads were mapped and sampled in detail. A total of 709 soil samples, 85 rock samples, 78 core samples and 9 samples from two mineralized exposures were sampled and analyzed using multi-element methods.

The exploration program outlined the presence of seven geochemically anomalous zone which show some overlap. these comprise three Cu anomalies, on Ni anomaly, one Au, Pd anomaly, one Pt, Pd anomaly and one Cu, Ni, Au, Pt and Pd anomaly. Thirteen quartz/carbonate alteration zones with anomalous Cu, Au, Pt and Pd mineralization were mapped and sampled. Mineralization is believed to relate to two origins: an initial mineralization as a product of segregation within the mafic/ultramafic intrusive complex and; post-intrusive shear controlled mineralization which may be unrelated to the intrusive event and may show an arsenic-gold association. The mafic/ultramafic intrusive and associated mineralization describe a good potential to explore for massive and concentrated disseminated Cu-Ni (Au, Pt, Pd) ores as well as shear zone controlled Au (Pt, Pd) deposits. A two phase exploration program is recommended to pursue these targets at an estimated total of $ 304,822.00

B. Location Access and Physiography

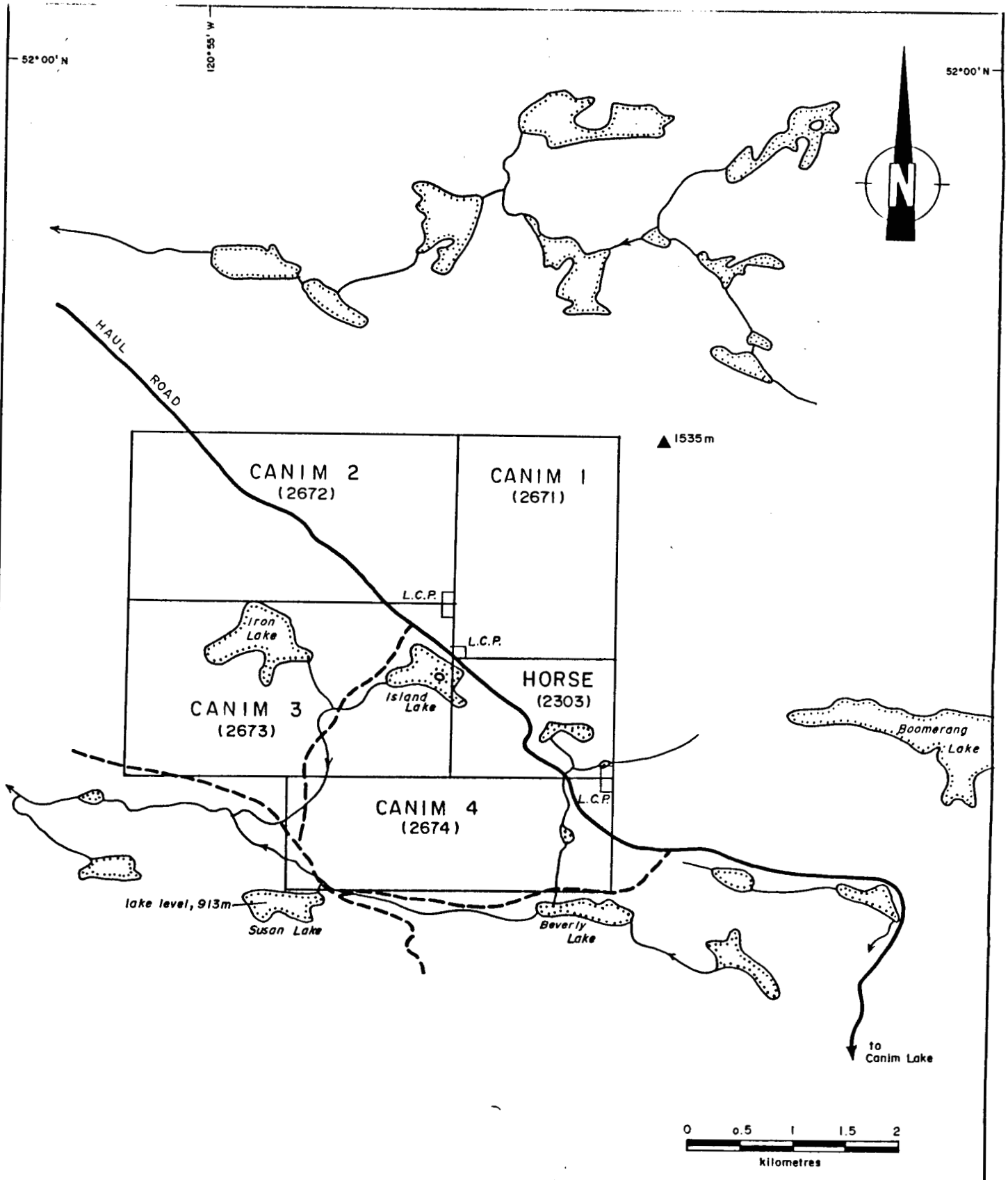
The Canim property is located about ten kilometers north of Eagle Creek and forty kilometers northeast of 100 Mile House in the Clinton Mining Division of British Columbia. It is situated at 51 degrees 57 minutes north latitude and 120 degrees 53 minutes west longitude on NTS map sheet 92P/15 (See Figures 1 and 2).



BRITISH COLUMBIA

Scale 1 : 7,500,000 approx.

CEPEDA MINERALS INC.		
Canim Project CLINTON M.D., B.C.		
LOCATION MAP		
MINCORD EXPLORATION CONSULTANTS LIMITED	Date Nov. 1989 Scale see above By	N.T.S. 92P/15 Figure 1



CEPEDA MINERALS INC.

Canim Project
CLINTON M.D., B.C.

CLAIM MAP

MINCORD EXPLORATION CONSULTANTS LIMITED

Date	N.T.S.
Nov. 1989	92 P/15
Scale 1 : 50000	Figure 2
By	

Access is by a paved road from 100 Mile House forty-seven kilometers to Eagle Creek. From Eagle Creek an all season gravel road, the Hendrix Lake road, is followed for six kilometers and a left turn is made onto the Lang Lake Forest Access Road. The Lang Lake road, a seasonal two wheel drive gravel road, is followed for nine kilometers to the property. 100 Mile House is a regional centre for logging, agriculture and government and provides good logistical support.

The property lies in a gentle rolling terrain which rises to the northeast, elevations varying from 975 meters (3200 feet) to 1435 meters (4700 feet). Part of the property is covered by swampy areas and lakes. A thin veneer of glacial drift is present with a maximum overburden depth, as defined by drilling, of fifteen meters, usually less than nine meters.

Forest cover can be dense, particularly where coniferous species were logged off twenty or more years ago and regrowth of deciduous trees has occurred. Forests in the area are mixed and include fir, pine, spruce and cedar any of which may be dominant depending upon the local environment. Deciduous trees are also present and include cottonwoods, birch and alder. Recently, parts of the claim have been clear cut logged and provide good exposure.

C. Ownership

Claim	Units	Record No.	Record Date
Horse	6	2303	June 18, 1987
Canim 1	12	2671	August 18, 1988
Canim 2	18	2672	August 18, 1988
Canim 3	18	2673	August 18, 1988
Canim 4	12	2674	August 18, 1988

Total Claims: 5 Total Units: 66

The Canim property consists of the claims listed above. These claims are held by Cepeda Minerals Inc. under the terms of an option agreement with Canevex Resources Ltd.

D. History

The earliest work completed in the vicinity of the Canim Property is evidenced by claim posts dated March 1969 and reported by Wahl (1976). No records relevant to this early work have been found.

In October 1972 Pickands Mather & Co. staked 123 units comprising the Sheri claims, which included most of the Canim Property. From 1972 to 1974 Pickands Mather & Co. conducted a mineral exploration program on these claims to assess their copper porphyry potential. Their work included 122.0 kilometers (75.8 miles) of line cutting, soil geochemistry, ground magnetometer survey, induced polarization survey, mercury vapor

survey, geological mapping and sampling, and eight BQ holes of diamond drilling for a total of 694 meters (2276 feet). Less than 10% of the core was split and assayed at the time of drilling and presently it remains on the property. Their work defined an area east of Island Lake underlain by a strong IP anomaly and copper soil anomaly.

Pickands Mather & Co. closed their Canadian exploration offices in 1974 and H.J. Wahl gained ownership of the claims. He retained a core group of six claims, which lie within the Canim Property. In 1976 Wahl undertook an exploration program on these claims including prospecting, linecutting, geological mapping, soil sampling and trenching. Wahl concluded at that time that the potential of the property was at depth. The Sheri claims were subsequently allowed to lapse.

In April and May, 1983 J.W. Morton staked the Ironhorse 1 and 2 claims to cover the copper anomalies found by Pickands Mather & Co. That same year, Morton completed a 3.7 kilometer ground electromagnetic survey and limited rock chip sampling.

In November 1984, R.M. Durfeld examined the property for Reliant Resources, who gained ownership of the Ironhorse claims. Durfeld proposed a two stage exploration program which apparently was not followed up. The Ironhorse 1 claim was allowed to lapse and the Ironhorse 3 claim was staked to cover the same ground.

In 1985, J.W. Morton relogged and sampled core originating from the 1974 Pickands Mather & Co. drilling. The core was analyzed using multi-element methods with some anomalous values for gold and platinum being recorded.

The Ironhorse claims lapsed in 1987 and the Horse claim was staked in June of that year by G.L. Garratt, covering the original area of interest. The Horse claim was subsequently optioned to Relay Creek Resources who staked additional claims in the area. Relay Creek Resources (now AABBAX International Financial Corporation) allowed the claims to lapse in 1988.

In June 1988, Canevex Resources Ltd. completed a soil and rock geochemistry program. Rock samples included both surface samples and core samples from the 1974 drill program. It was concluded from this work that an operational scale soil survey program was warranted to document the extent of gold and platinum anomalies in the area. In August 1988, G.L. Garratt for Canevex Resources Ltd., staked the Canim 1-4 claims which, along with the Horse claims were optioned to Cepeda Minerals Inc. Later that month, G.R. Peatfield examined the property on behalf of Cepeda Minerals Inc. to assess the potential of the property. Peatfield collected several surface rock and core samples. One surface sample from a quartz/carbonate alteration zone contained 993 ppb platinum. Peatfield proposed a three stage exploration program for the property to assess its copper, gold, platinum and palladium potential.

E. Geology

E.1 Regional Geology

Geologically the Canim Property is located within the Quesnel Trough. The Quesnel Trough is a regionally extensive northerly trending linear body of sedimentary, volcanic and intrusive rocks of Mesozoic Age which varies from 30 to 60 kilometers wide. It is bounded on the east and west by older strata of Paleozoic age.

Within the Quesnel Trough the Canim Property lies near the southeastern margin of the Triassic-Jurassic age Takomkane batholith, a complex body of intrusives. Within this area the Takomkane Batholith intrudes sediments and volcanics of the Triassic age Nicola Group.

Many of the intrusives within the Quesnel Trough possess strong aeromagnetic responses. The area of the Canim Property is underlain by units with a strong positive aeromagnetic response. This is the result of the presence of substantial magnetite (locally up to 40%) in the intrusives present on the property.

E.2 Property Geology

E.2.1 Introduction

A program of mapping was conducted, by the writer, on the Canim property from August 15 to 28. Mapping carried out on the soil sample grid used sample stations for reference points, otherwise lines were run specifically for mapping.

Exposure on the property varies significantly depending on the local topography and state of logging. Where clear cut logging has been employed, during the last five years, exposure is good. However where the forest has not been logged exposure is usually limited to large massive outcrops, occasionally extensive subcrop may be present but this is rare. In low lying swampy areas the only exposure present is subcrop in the roots of overturned trees.

A problem encountered during mapping was that at some outcrops, the Pyroxenite/Hornblendite unit and the Diorite unit could not be separated into individual units at the scale being used for mapping. This was circumvented by attributing the outcrop to the volumetrically dominant lithological unit.

A second problem encountered was the strong magnetics present which adversely affects compasses.

E.2.2 Rock Units

The rocks underlying the Canim Property belong to a multiple phase intrusive. Their exact relationship to the Late Triassic Takomkane Batholith is unknown but it has been speculated that they represent contaminated border phases. The rocks present on

the Canim Property can be divided into three major units. These are the Pyroxenite/Hornblendite unit, the Diorite unit and the Quartz Monzonite unit.

The Pyroxenite/Hornblendite unit has been given this name because of difficulties encountered in distinguishing between these two lithologies. In a thin section study by G. A. Wilson (1974) it was noted that these rocks had undergone uralitization the original pyroxene being altered to hornblende, hence the difficulty in distinguishing between rock types.

The Pyroxenite/Hornblendite unit varies considerably in composition and is the dominant lithology on the property. Compositionally it can vary from a pyroxenite/hornblendite to a peridotite. In addition to the peridotite phase the pyroxenite/hornblendite unit contains porphyritic, "pegmatitic" and breccia phases.

The fresh surface of the pyroxenite/hornblendite varies from dark green to black in color, the weathered surface being somewhat lighter in color. This unit can vary from fine to medium to coarse grained and may contain up to 10% plagioclase. Layering in the form of cumulate textures have been observed in this unit. The porphyritic phase has been observed primarily as float and very rarely in outcrop, and has been included in the pyroxenite/hornblendite phase for mapping purposes. The fresh surface of the porphyritic phase is dark grey and the weathered surface a medium green. This rock contains phenocrysts of hornblende up to 6-7 millimeters and may contain rounded quartz phenocrysts in an aphanitic matrix.

The "pegmatitic" pyroxenite/hornblendite is a highly variable phase and may contain anywhere from 5-90% plagioclase thus in some instances it could be classified as a diorite. The "pegmatitic" phase contains large hornblende/pyroxene crystals up to 13 centimeters in length and epidote. The unit outcrops throughout the property and may occur as veinlets within the pyroxenite/hornblendite.

The breccia phase occurs where the "pegmatitic" phase has intruded the pyroxenite/hornblendite. It may be characterized as having a "pegmatitic" matrix and containing pyroxenite/hornblendite and diorite clasts. Clasts are angular and can vary considerably from centimeters to meters in size. This phase occurs in close proximity to both the pyroxenite/hornblendite and "pegmatitic" rocks.

The peridotite can be distinguished from the pyroxenite/hornblendite in that it contains olivine. Up to 70% olivine has been observed within this phase of the pyroxenite/hornblendite unit. Cumulate textures have been observed in this phase and layering is defined by compositional variations in the amount of pyroxene and olivine present. Olivine is present as fine equidimensional grains with pyroxene occurring as coarser gained crystals.

The Diorite unit is a fine to medium grained rock which varies from white to light grey on weathered surfaces and is medium grey on fresh surfaces. This unit can contain from 40% to 95% plagioclase with the remainder composed of mafic minerals, hornblende and biotite, and occasionally quartz. Two types of diorite were noted during mapping. The first occurs in close proximity to pyroxenite/hornblendites and appears to have formed by the fractionation of the original magma. These diorites often contain irregularly shaped pyroxenite/hornblendite xenoliths further supporting their formation by fractionation. Their close proximity to the pyroxenite/hornblendite caused problems during mapping, thus outcrops were classified as belonging to the dominant lithology present. The second diorite occurs to the south and west of Iron Lake. These diorites may be strongly foliated and contain k-feldspar veinlets. These veinlets are assumed to have been formed when the Quartz Monzonite unit was emplaced.

The quartz Monzonite is a medium to coarse grained granitic rock. It is a mottled white to light grey on weathered surfaces and mottled light grey on fresh surfaces. It is composed predominantly of plagioclase with minor quartz with up to 20% hornblende and biotite. Up to 20% k-feldspar phenocrysts are also present. This unit has been observed outcropping predominantly in the southwest part of property with one small outcrop on the eastern part of the grid.

Numerous small scale Aplite(?) dykes were observed in outcrops in the northeast part of the property. These dykes are aphanitic to fine grained white to pink on weathered surfaces, white on fresh surfaces and may contain less than 2% mafics.

Several large Diorite Hornblende Porphyry dykes were also observed. They varied from white to light grey on weathered surfaces and light grey on fresh surfaces. These dykes may contain up to 15% hornblende as porphyrocrysts.

E.2.3 Structure

Cumulate textures were observed in the pyroxenite/hornblendite and peridotite phases of the Pyroxenite/Hornblendite unit. Occasionally they appear as linear bands within outcrops from which strikes and occasionally dips could be measured. However it was more commonly observed that this banding was irregular and wavy suggesting that movement had occurred after crystalization but prior to solidification of the magma.

A strong foliation was observed in diorites south of Iron Lake. Strike and dips measured for this foliation were remarkably consistent in the outcrops observed with the strike varying from 220 degrees to 225 degrees and dips from 46 degrees to 60 degrees NW. Of interest was a foliation found in a diorite in the northeast part of the property. This diorite looks similar to the diorites south of Iron Lake and its foliation is similar in orientation at 236 degrees/68 degrees NW. This suggests that this structural trend may be of some importance regionally.

Quartz carbonate alterations (to be discussed in the next section) have been noted occurring to the west of Island Lake. These alterations appear to be hosted in a shear which was later silicified and carbonate altered with the introduction of chaotic randomly oriented quartz and carbonate veinlets. These alterations have strikes which vary from 088 degrees to 150 degrees with dips from NE to SW. One alteration was observed with a strike of 050 degrees (a dip could not be measured).

Although several faults and shears were observed during mapping not enough were found to be able to define specific trends. Jointing for the most part was poorly developed to non existent. Where present it was found to be consistent over a single outcrop. A fairly consistent SW trend was observed for jointing with strikes varying from 212 degrees to 245 degrees.

Several glacial stria were observed during the course of mapping. It was noted that glacial stria located in the steeper northeast part of the property run perpendicular to the topographic contours varying from 018 to 040 degrees. Those located in the more gentle terrain of the east central part of the property run parallel to the topographic contours trending from 095 to 106 degrees. Thus ice movement appears to have been controlled by the local topography.

E.2.4 Alteration and Mineralization

Quartz/carbonate alteration zones have been observed at several localities on the property in the vicinity of Island and Iron Lakes. This alteration has been observed in both the Pyroxenite/Hornblendite unit and the Diorite unit. It usually possesses a limonite stain the result of oxidation of pyrite. It is thought that they formed initially by shearing followed by silicification and carbonate alteration with resealing of the shear by quartz and carbonate veinlets. this was followed by a second tectonic event as evidenced by shears which cut these alteration zones. In addition strong shears are present on the margins of these alteration zones. Whether these lateral shears pre or post date the alteration event has yet to be determined.

The quartz/carbonate alteration zones contain mineralization which is predominantly pyrite. Pyrite is present in trace quantities but may be up to 5% locally. Pyrite often occurs as disseminated subhedral grains less than 1 millimeter in size although aggregates and blebs up to 2-3 millimeters have been

observed. Chalcopyrite is also present but is exceedingly rare. Locally it may vary from trace up to 10% as irregularly shaped blebs up to 4 millimeters in size. Magnetite may be present in amounts up to 15%. In some instances magnetite may be altered to hematite. Fine grained hematite has been observed in quartz/carbonate altered rock giving it a pinkish tint.

Epidote alteration is the most common alteration mineral present. It has been observed in the Pyroxenite/Hornblendite unit and the Diorite unit. It may occur on fracture planes, as large

irregular shaped blebs, or as veinlets in which it appears to be replacing plagioclase belonging to the "pegmatitic" pyroxenite/hornblendite phase. Epidote can vary from fine grained masses to very coarse grained acicular crystals in aggregates up to 5 centimeters across.

In two cases biotite has been observed in shears near samples CAB-89-7 and CAB-89-20. In both instances up to 10% biotite is present and is considered to be an alteration product associated with shearing.

Additionally, chlorite and sericite have been observed as alteration products associated with shearing.

Chalcopyrite mineralization has been observed in the quartz/carbonate alteration, as previously described, and within the "pegmatitic" and pyroxenite/hornblendite phases of the Pyroxenite/Hornblendite unit. Within the "pegmatite" it may be up to 5% locally but usually less than 1%. It occurs as rounded blebs up to 2-3 millimeters in size. Malachite stains may be associated with high concentrations of chalcopyrite but these are very rare. Within the pyroxenite/hornblendite phase chalcopyrite is very rare and present in trace quantities usually associated with pyrite for a total sulphide content of up to 2% though usually trace. It occurs as very fine disseminated grains.

In two instances bornite may have been found during prospecting. It was difficult to tell whether it was bornite or oxidized chalcopyrite as it was very fine grained and associated with chalcopyrite. In one instance bornite was found in a quartz/carbonate alteration zone within the pegmatitic phase of the Pyroxenite/Hornblendite unit; in another, it occurred in an unaltered pegmatite.

Pyrite is by far the most abundant sulphide present. It has been observed in the Diorite unit only rarely, in the "pegmatitic", porphyritic, breccia, and pyroxenite/hornblendite phases of the Pyroxenite/Hornblendite unit and in the quartz/carbonate alteration as mentioned above. It rarely occurs within the Diorite unit as very fine disseminated grains up to 1%.

Within the Pyroxenite/Hornblendite unit the mode of occurrence is dependent upon the percentage of pyrite present regardless of the phase it is occurring. When pyrite is in trace quantities it occurs as fine to very fine disseminated grains. When it occurs in larger quantities from 3% to 20% it will occur as disseminated grains, blebs up to 1-2 miliimeters and as discontinuous stringers.

Pyrrhotite has been difficult to identify due to the presence of magnetite in most samples. However it is thought that it occurs in a sample of the porphyritic phase of the Pyroxenite/Hornblendite unit associated with pyrite and occurring as blebs <1 millimeter in size and as discontinuous stringers.

The most abundant metallic mineral present is magnetite as strong magnetism is displayed in the Diorite unit and all phases of the Pyroxenite/Hornblendite unit. Locally it may be up to 40% but it is usually less than 10%. Magnetite may occur as fine grains disseminated throughout the rock or as aggregates which may be up to 50 millimeters in size.

F. Geochemical Sampling

Four types of geochemical sampling were done during the course of the exploration program including soil, rock, mineral exposures and core sampling. Samples were shipped to Acme Analytical Laboratories Ltd. in Vancouver for analyses. Multi-element methods were used including 30 element ICP (Induced Coupled Plasma) and analyses for Au, Pt and Pd using ICP/graphite furnace. Some samples were also analyzed for Rh. (see Appendix 3 Certificates of Analyses and Analytical Methods for descriptions of analytical methods used and elements analyzed for). Mineral exposure samples and core samples are discussed in sections G and H respectively. The remainder of this section deals with soil and rock sampling.

Soil sampling was conducted over 44.5 kilometers of flagged grid lines. The base line was run at 045 degrees and cut. The soil sample lines were run at 135 degrees with stations established every 25 meters. This orientation was chosen for the grid lines so that they would run at approximately right angles to the major structural trends mapped in 1973 by Pickands Mather & Co. The strong magnetic anomalies present resulted in the convergence and divergence of some grid lines in areas of thick bush. However, in open bush and clear cuts lines were kept straight by back sighting.

Soil samples were taken at 50 meter intervals within three meters of the station. Where sample line 54+00N ran down the middle of the Lang Lake Forest Road samples were taken two to three meters beyond the ditch. No samples were taken where stations were located in swamps or lakes; a total of 709 samples were collected. Samples were taken approximately 30 centimeters below the surface from the B soil horizon using a mattock. Samples were allowed to air dry prior to shipping for analyses.

The results of the soil sampling program indicate the presence of seven anomalous zones on the soil sample grid.

Two anomalous Cu zones, with Cu values greater than 50 ppm, are present southwest of Iron Lake. One zone is a linear zone striking approximately 080 degrees and is up to 50 meters wide. it crosses line 34E at 76N and line 40E at 72N. Cu anomalies vary from 82 ppm to 332 ppm, and it is open at both ends. The second Cu anomaly crosses lines 32E and 36E striking at approximately 025 degrees and is open to the southwest. It is up to 350 meters wide at its widest with Cu anomalies ranging from 55 ppm to 161 ppm.

A large Cu anomaly is present at the east end of Island Lake. It crosses lines 50E to 58E running from 56N on lines 51E and 57E to 41N on line 54E. It is an irregularly shaped anomaly with no discernible strike. Cu values range from 51 ppm to 527 ppm. The east edge of this Cu anomaly is overlayed by a Ni anomaly. The Ni anomaly is somewhat spotty in the vicinity of lines 56E to 58E from 47N to 49N. However, on line 54E it is continuous from 41N to 45+50N. Ni values associated with this anomaly range from 50 ppm to 140 ppm. A Pd, Au anomaly also overlays the Cu anomaly east of Island Lake. The Pd, Au anomaly crosses line 50E to 54E from 51+50N to 48N on line 52E. Pd values up to 392 ppb and 75 ppb Au were returned in this anomaly. Although the anomaly is somewhat spotty a definite clustering of values is present. This anomaly appears to be striking at approximately 030 degrees.

A Pt, Pd anomaly is present to the southeast of Island Lake overlapping the Cu anomaly. This anomaly is also spotty but a cluster of anomalous Pt, Pd values are present on line 48E from 52+50N to 53+50N to line 52E from 56N to 57+50N. The Pt, Pd anomaly varies from 100 to 150 meters wide striking at 015 degrees. Pt values up to 154 ppb and Pd values up to 115 ppb occur within the anomaly and is open to the south being bounded to the north by Island Lake.

The seventh anomaly is located on line 54E from 64+50N to 66N. This anomaly is quite small and contains anomalous values for Ni, Pt, Pd and Au.

In addition to the seven zones described above, numerous samples are anomalous for Cu, Ni, Au, Pt and Pd or combinations of these elements. However, they do not occur in clusters forming zones as those already described.

During geological mapping and prospecting 85 samples were collected for analyses. Samples were collected from quartz/carbonate alterations and rocks containing sulphide mineralization. They were also collected from the different rock units to ascertain background levels for the rock types.

With regard to Cu mineralization samples with over 100 ppm Cu usually contained chalcopyrite or pyrite mineralization regardless of whether a quartz/carbonate alteration was present. Ni analyses above 75 ppm were recorded rarely in quartz carbonate altered rocks, and pyroxenite/hornblendites but commonly in peridotites. Furthermore, elevated Ni values were accompanied by elevated Cr values, however the converse is not always true.

Gold analyses of over 50 ppb were recorded in quartz/carbonate altered rocks and occasionally in rocks containing sulphides. Only in quartz/carbonate altered rocks were elevated As values associated with elevated Au values.

Pt analyses of over 50 ppb were present in quartz/carbonate altered rocks in all but one instance. In that case the sample was associated with a fault. Pd analyses of over 50 ppb were

recorded from quartz/carbonate altered rocks and rocks containing sulphide mineralization. In only one instance was a Pd anomaly of 53 ppb recorded from a sample of pyroxenite which had not undergone carbonate alteration nor contained sulphide mineralization.

G. Mineral Exposures Along Road Cuts

Two areas were found adjacent to logging roads where prior disturbances made it possible to expose bedrock and where quartz/carbonate alteration suggested that sampling was warranted. Maps, logs and descriptions of samples collected from these mineral exposures are in appendix 5.

Site C-T1-89 was dug in order to map and better sample a quartz/carbonate alteration found during mapping and prospecting conducted during the first stage of the exploration program. The digging exposed a quartz/carbonate alteration zone, up to 5 meters wide bounded on the northeast by a rusty shear striking at 130 degrees dipping 60 degrees northeast on the north side of the trench and rotating to 100 degrees dipping 50 degrees east on the east side of the trench. The southwest edge of this alteration zone runs parallel to the northeast edge. The alteration zone is open to the northwest and to the east. Four grab samples and a pseudochip sample over three meters were collected from this zone. The pseudochip sample of the alteration zone returned values of 155 ppb Au and 32 ppb Pt. One of the grab samples taken from a rusty shear contained 878 ppb Au and 94 ppb Pt. A value of 1219 ppb Au was recorded from a grab sample from the quartz/carbonate alteration. Samples which contained anomalous gold values also possessed elevated As values. The highest Cu, Ni and Pd values were 466 ppm, 64 ppm and 14 ppb respectively.

Site C-T2-89 was dug in order to better expose a quartz/carbonate alteration from which anomalous Cu, Au, Pt and Pd values were obtained. The full length of the alteration zone was not exposed. The alteration zone is bounded on the northeast by a shear striking at 130 degrees dipping 68 degrees northeast and on the southwest by a shear striking 128 degrees dipping 68 degrees southwest. The alteration zone pinches to 1 meter wide on its northwest end and widens to 2.5 meters on its southeast end and is open at this end as it could not be further exposed. Furthermore, the orientations of the shears on its margins indicates that this alteration zone widens with depth. Two grab samples and two chip samples over 0.9 meters and 2.1 meters were collected. Assay results for the 0.9 meter chip sample from the alteration zone returned values of 1366 ppm Cu, 156 ppb Pt and 258 ppb Pd. For the 2.1 meters chip sample of the alteration zone values of 616 ppm Cu, 213 ppb Pt and 36 ppb Pd resulted. A high grade chalcopyrite grab sample from the alteration zone returned values of 2093 ppm Cu, 95 ppb Pt and 219 ppb Pd. A grab taken from a sheared pyroxenite/hornblendite returned values of 84 ppm Cu, 27 ppb Pt and 29 ppb Pd. The highest Ni and Au values recorded from this trench were 60 ppm and 49 ppb respectively.

The two alterations thus have rather different types of mineralization present. The alteration zone at site C-T1-89 contains low Cu, Ni and Pd values with relatively high Au values and moderately high Pt values. The alteration zone at site C-T2-89 contains low Ni, Au values but with relatively high Cu, Pt and Pd values.

H. Core Logging

Eight diamond drill holes totaling 694 meters of BQ sized core drilled by Pickand Mather & Co. in 1974 were relogged and sampled by the writer. The drill logs, sample descriptions and pseudo sections are in appendix 6. Although portions of the core were missing from several drill holes it was not felt that this would have adverse affects. A total of 78 samples were collected and split for assay; in a few instances quarter splits were done. Samples were analyzed using multi-element methods.

Logging of the core revealed that all of the major lithological units present in outcrop were present in the drill holes except for the Quartz Monzonite unit. One additional rock type was found in the subsurface which had not been observed in outcrop. This was a porphyritic rhyolite(?), a grey aphanitic rock containing plagioclase phenocrysts and rounded quartz grains. During logging numerous small units were defined of alternating pyroxenite/hornblendite and "pegmatitic" pyroxenite/hornblendite. When these were put on the pseudosections they were assigned to the brecciated phase of the Pyroxenite/Hornblendite unit, since the breccia would have the appearance of alternating "pegmatite" and pyroxenite/hornblendite in core.

Numerous fault and shear zones were observed in all drill holes except S-4. The most extensive shearing and faulting was in drill hole S-7. These deformation zones vary in core length from several centimeters up to 25 meters. Shears and faults host chaotic and usually randomly oriented carbonate and quartz/carbonate veinlets. They may contain blebs of talc, carbonate, quartz, and coarse books of biotite. Slickensided fracture planes are often present and may be smeared with chlorite, hematite, pyrite and clay minerals. Brecciation and mylonitization have also been observed associated with these structures and it is possible that they may have been a conduit for hydrothermal alteration.

Alteration is more obvious in core than in outcrop. Several alteration minerals not observed in outcrop were noted in core. Alteration types include chlorite, epidote, serpentine, carbonate, talc, argillic, sericite and silicification with chlorite and epidote being the most common and silicification the least common. In addition, alteration of magnetite to hematite was observed.

Mineralization observed in core was similar to that observed in outcrop. Pyrite was most common occurring predominantly as disseminated grains in low concentrations of trace to 2%. Where

it was more abundant it also occurred as blebs and fracture coatings. Chalcopyrite was most common in the "pegmatitic" phase and pegmatitic portion of the breccia phase, although it was also observed in the pyroxenite/hornblendite. It occurs as disseminated grains, small rounded blebs up to 2-3 millimeters and very rarely as small discontinuous stringers. Pyrrhotite has also been observed but is difficult to identify due to the presence of magnetite. A single 5 millimeter bleb of bornite was observed at 8.4 meters in hole S-3 associated with chalcopyrite in a brecciated pyroxenite/hornblendite.

In hole S-1 sulphides were encountered at 6.4 to 7.4 meters and from 46.7 to 75.3 meters. Pyrite and chalcopyrite were present in trace quantities for the most part but from 46.7 to 54.0 meters up to 10% pyrite was present locally. The best results obtained came from a pyroxenite/hornblendite at 51.2 to 52.2 meters which contained 289 ppm Cu, and 50 ppb Pd. Assays from this hole were generally low with a high of 115 ppm Ni, 8 ppb Au and 19 ppb Pt.

In hole S-2 pyrite was encountered at 32.3 - 33.5 meters, 45.8 meters and 47.6 - 55.8 meters. Chalcopyrite was present at 29.0 - 29.6 meters, 32.0 - 32.3 meters, 41.2 - 42.7 meters and 68.3 - 75.0 meters. Both chalcopyrite and pyrite were present in intervals from 10.4 - 27.7 meters and 55.8 - 65.9 meters. Chalcopyrite and pyrite only occurred in trace quantities. Eleven samples were collected for assay. Six contained greater than 250 ppm Cu with a high of 880 ppm Cu, five contained greater than 50 ppb Pt. The highest Ni, Au and Pd anomalies were 102 ppm, 37 ppb and 83 ppb respectively. The highest Pt anomaly of all core sampled was from a strongly to intensely sheared pyroxenite/hornblendite at 32.5 - 33.5 meters in this hole and contained 420 ppb Pt.

In hole S-3 chalcopyrite was present from 7.3 - 43.9 meters varying from trace to 2% with trace pyrite rarely present. A 5 millimeters bleb of bornite was noted at 8.4 meters. Eight samples were taken for assay. Five contained greater than 250 ppm Cu with a high of 723 ppm. Two contained greater than 50 ppb Pt with a high of 95 ppb. The highest Ni, Au and Pd anomalies were 81 ppm, 69 ppb and 117 ppb respectively.

In hole S-4 pyrite was noted from 11.0 - 17.4 meters in quantities of <1% to 2%. Trace chalcopyrite and pyrite was present from 17.4 - 25.6 meters and trace chalcopyrite from 55.5 - 61.0 meters. Five samples were taken for assay of which four contained greater than 250 ppm Cu with a high of 1043 ppm. The highest Ni, Au, Pt and Pd values were 130 ppm, 52 ppb, 19 ppb and 78 ppb respectively.

In hole S-5 <1% pyrite was present from 12.1 - 13.1 meters and trace pyrite from 20.1 - 21.0 meters. Trace pyrite and pyrrhotite occurs between 44.2 - 44.5 meters. At 13.1 - 17.1 meters <1% pyrite and trace chalcopyrite were present. Trace chalcopyrite was present at 39.3 - 39.9 meters and 60.2 - 60.45

meters. Sixteen samples were collected for analyses. The highest Cu value for all core samples taken came from a "pegmatitic" pyroxenite/hornblendite and was 1120 ppm. Four samples contained greater than 50 ppb Au with a high of 138 ppm. Two samples contained greater than 50 ppb Pd. The highest Pd anomaly for all core samples was recorded from fault gouge in brecciated pyroxenite/hornblendite and contained 138 ppb. The highest Ni and Pt assays recorded were 169 ppm and 68 ppb respectively.

In hole S-6 trace pyrite was present from 6.2 - 8.2 meters and 21.3 - 22.0 meters. Trace chalcopyrite was present from 31.1 - 32.8 meters, 45.3 - 45.4 meters and 45.7 - 46.3 meters. Eight samples were collected for assay. Two samples contained greater than 100 ppm Ni. The highest Ni anomaly for all core samples came from a serpentine? altered pyroxenite/hornblendite and contained 388 ppm. The highest Cu, Au, Pt and Pd anomalies recorded in this hole were 174 ppm, 4 ppb, 55 ppb, 5 ppb.

In hole S-7 trace to 5% pyrite and trace chalcopyrite was present from 7.,6 - 14.4 meters with trace chalcopyrite and pyrite at 18.3 - 22.0 meters and 25.0 - 28.7 meters. At 43.0 - 49.1 meters trace pyrite was present and at 76.7 - 77.7 meters 10% pyrite was present on a fracture plane. Fifteen samples were taken for analyses. Five samples contained greater than 250 ppm Cu with a high of 753 ppm. Eight samples contained greater than 100 ppm Ni with a high of 310 ppm. Two samples contained greater than 50 ppb Au. The highest Au anomaly from the core sampled came from a tectonically brecciated pyroxenite/hornblendite with 10% pyrite and contained 213 ppm Au. Two samples contained greater than 50 ppb Pt the highest was 125 ppb. The highest Pd anomaly recorded for this hole was 31 ppb.

In hole S-8 the longest most consistent mineralization was observed from 15.2 to 81.4 meters with 1-10% pyrite present. This hole also returned the most disappointing assays with highs of 203 ppm Cu, 141 ppm Ni, 5 ppb Au, 5 ppb Pt and 18 ppb Pd.

Although the drill holes contain the same basic lithologies, correlation between them would be difficult without additional information on orientation of the rock units. They do however provide additional information about the property worth noting.

Drill hole S-8 which occurs on the southeast corner of the property contains only Diorite. This suggests a contact occurs between it and the pyroxenite/hornblendite outcrops to the northwest. Drill holes S-1, S-2 and S-5 which occur closest to S-8 also contain small dioritic dykes which may be related to the diorite in hole S-8.

Drill hole S-7 contains the best developed shearing. Wahl (1974) used this to suggest that Island Lake was situated over a shear zone. However, hole S-3 was also drilled under Island Lake and shearing is poorly developed in it. Extensive shearing was

observed in trench C-T1-89, which is about 100 meters from S-7. This indicates that the shearing observed may be more local phenomenon than suggested by Wahl.

With regard to analytical results Pt and Pd anomalies are often, though not exclusively, associated with sheared or faulted rocks. High Cu anomalies are often found in the "pegmatitic" pyroxenite/hornblendite although not exclusively. Ni anomalies are often, though not exclusively, associated with pyroxenite/hornblendite which as been serpentinized and may or may not contain talc. Au mineralization appears to be sporadic but is usually associated with sulphide mineralization.

I. Conclusions and Discussion

I.1 Conclusions

1. Three major units, the Diorite, Pyroxenite/Hornblendite and Quartz Monzonite outcrop on the Canim Property.

2. The Pyroxenite/Hornblendite unit is composed of five phases; the peridotite, pyroxenite/hornblendite, porphyritic, "pegmatitic" and breccia. The "pegmatitic" is a late stage magmatic pulse within this unit, which forms the breccia phase.

3. Two types of diorite are present, one in close proximity to the pyroxenite/hornblendite formed by fractionation from the original magma. The second may be strongly foliated and contains k-feldspar veinlets.

4. Cummulate textures were observed in peridotites and pyroxenite/hornblendite.

5. A strong foliation striking at 220 degrees to 236 degrees and dipping 46 degrees to 68 degrees northwest was observed in diorites south of Iron Lake and in the northeast part of the property.

6. Quartz/Carbonate alteration zones west of Island Lake have strikes varying between 088 degrees and 150 degrees.

7. A jointing trend was observed with strikes varying from 212 degrees to 245 degrees.

8. Glacial stria indicate ice movement was controlled by local topography.

9. Alteration types observed in outcrop include quartz/carbonate, epidote, biotite in shears, chlorite and sericite. Additional alteration types observed in core include serpentine, talc and argillic alteration.

10. Quartz/carbonate alterations normally host pyrite as disseminated grains in trace quantities, locally up to 5%. Chalcopyrite is rare occurring as irregularly shaped blebs up to 4 millimeters in size from trace to 10% locally.

11. Sulphide minerals present in core and outcrop in order of abundance include pyrite, chalcopyrite, pyrrhotite and bornite. When present in amounts of trace to 2% sulphide minerals occur as disseminated grains and rare blebs. When present in amounts greater than 2% sulphide minerals occur as disseminated grains, aggregates of grains, blebs, small discontinuous stringers and coating fracture surfaces.

12. Magnetite is the most common metallic mineral present in core and outcrop and locally may be up to 40%. It occurs as fine disseminated grains and as aggregates up to 50 millimeters in size and may be altered to hematite.

13. The soil sampling program indicated the presence of seven geochemically anomalous zones. Two Cu anomalous zones are located southwest of Iron Lake. A third large Cu anomaly is situated east of Island Lake and overlayed by a Ni anomaly, a Pd, Au anomaly, to the east of Island Lake; and overlapped by a Pt, Pd anomaly to the southeast of Island Lake. A small Ni, Au, Pt and Pd anomaly is located west of Island Lake. Additional anomalous Cu, Ni, Au, Pt and Pd soil samples are present on the grid, but they do not occur in clusters forming zones.

14. Sampling of sites C-T1-89 and C-T2-89 indicated varying types of mineralization in the alteration zones. The alteration at site C-T1-89 contains low Cu, Ni and Pd with moderate Pt values and high Au values. The alteration at site C-T2-89 contains low Ni and Au values and relatively high Cu, Pt and Pd values.

15. Diamond drill hole S-8 contains only Diorite suggesting a contact between it and the Pyroxenite/Hornblendite outcrops to the northwest. If this intrusive is a vertically zoned ultramafic intrusive this would suggest that the upper end lies to the southeast. The longest most consistent pyrite mineralization was observed in this drill hole with over 66 meters of 1-10% pyrite present.

16. Extensive shearing was observed in drill hole S-7.

17. Cu mineralization in rock and core samples is related to chalcopyrite and pyrite distribution and is not dependent on the presence of quartz/carbonate alteration.

18. Ni mineralization in rock and core samples commonly occurs in peridotites and serpentinized and talc altered pyroxenite/hornblendite. It rarely occurs in unaltered pyroxenite/hornblendite and quartz/carbonate alterations.

19. Au mineralization is sporadic in rock and core samples but is usually associated with rocks containing sulphides. Only Au anomalies in quartz/carbonate altered rocks possess elevated As values.

20. Pt mineralization in rock and core samples occur in either quartz/carbonate altered rocks or in rocks associated with shears or faulting.

21. Pd mineralization in rock and core samples is sporadic occurring in quartz/carbonate altered rocks, associated with sulphide mineralization or with shearing or faulting.

22. The mafic/ultramafic intrusive complex underlying the Canim property is a well differentiated body with anomalous character for Cu, Au, Ni, Pt and Pd. A later, and possibly unrelated, hydrothermal event may have resulted in the elevation of As and Au and is characterized by shear controlled quartz-carbonate veining and alteration.

23. A good potential exists to explore for massive sulphide and disseminated ores of Cu-Ni (potentially with accessary Au, Pt, Pd) and shear controlled Au, Pt, Pd mineralization.

I.2 Discussion

Mineralization on the Canim property may be ascribed to at least two events. It seems apparent that copper-nickel and associated platinum, palladium and gold have locally concentrated within certain phases of the intrusive complex during fractionation. In particular, the pegmatitic-breccia phase may be more commonly mineralized. While this mineralization is generally sub-economic as observed to date, its widespread distribution (emphasized by soil geochemistry) connotes a strongly anomalous intrusive system within which massive or concentrated disseminated ores may occur. Several occurrences of strongly developed shearing have been observed and these are generally accompanied by well developed alteration and anomalous metal conditions. Quartz-carbonate altered shear zones invariably carry anomalous metal values and display good potential for developing significant dimensions. An association of arsenic with gold may indicate a second mineral introduction with this post-intrusive shear controlled alteration. The elevated Pt-Pd-Cu values in these shear zones may have been the result of scavenging the mafic intrusion.

Discussion of individual targets follows.

I.2.a Iron Lake Southwest Copper Anomaly

-trending 080 degrees, strike length 800 meters (from line 34E, 76N to line 40E, 72N), variable width from 50 to 100 meters open to east and west.

-a few anomalous soil samples for Au within anomaly.

-limited outcrop in the area suggest it is located over Diorite and Pyroxenite/Hornblendite units and at the southwest end runs into the Quartz Monzonite unit.

-anomalous Cu and Au values were obtained from a quartz/carbonate altered to unaltered diorite with associated quartz vein located on the northwest edge of anomaly at its east end.

-potential exists to extend anomaly to east and west.

I.2.b Iron Lake South Copper Anomaly

-roughly trending at 025 degrees, strike length 550 meters (crossing line 32E from 67N to 68+50N to line 36E from 68+00N to 71+50N), variable width from 150 meters to 350 meters open to southwest.

-several low anomalous soil samples for Au within anomaly.

-anomaly is located over strongly foliated diorite and to southeast of the Quartz Monzonite unit.

-an anomalous Cu value was obtained from a foliated diorite to the southeast of the northeast end of the outcrop.

-it may be possible to relate the anomaly to the local geology by additional prospecting, and mapping between grid lines.

I.2.c Island Lake East Copper Anomaly

-a large erratic anomaly with no trend covering an area approximately 1000 meters by 700 meters (crossing line 62E at 46+50N and 48+00N, line 58E at 46N to 49+25N and 53+25N to 53+75N, line 54E at 40+75N to 51+75N and line 50E at 45+75N to 50+75N), open on its southeast corner.

-the Island Lake East Ni anomaly and Au, Pd overlie this anomaly and it is overlapped by the Island Lake South Pt, Pd anomaly.

-this anomaly is situated overtop of the pyroxenite/hornblendite "pegmatitic" and breccia phases of the Pyroxenite/Hornblendite unit, chalcopyrite and pyrite mineralization have been observed in outcrop particularly in the "pegmatitic" phase from which anomalous Cu values have been obtained.

-drill holes S-1 to S-6 inclusive are located in this zone and contain varying amounts of chalcopyrite and pyrite mineralization and anomalous Cu, Ni, Au, Pt and Pd values have been recorded.

-potential exists to extend this zone to the southeast and northeast in its eastern corner, and possibly to locate a Cu deposit at depth.

I.2.d Island Lake East Ni Anomaly

-this anomaly appears to be part of a much larger anomaly the southern extension of which outcrops north of Beverly Lake.

-it trends at 000 degrees for 1500 meters and is up to 450 meters wide.

-the gap between the two Ni, Cu anomalies could be due to thick overburden as 15 meters of overburden was present in hole S-8 to the southeast of the south extension.

-the northern anomaly is underlain by outcrops of the Pyroxenite/Hornblendite unit, the southern by subcrop from the same unit.

-drill hole S-6 was located in the centre of the north extension and consists entirely of the pyroxenite/hornblendite and breccia phases, it is moderately to strongly sheared, with relatively strong Ni anomalies present in the samples analyzed, the highest Ni anomaly from all core samples was present in an interval from 6.2 to 7.2 meters below the surface, a total of 3.4 meters of overburden present in the hole.

I.2.e Island Lake East Au, Pd anomaly

-the Au, Pd anomaly overlays the Island Lake East Cu anomaly and is a somewhat spotty anomaly.

-it trends at 030 degrees with a strike length of 500 meters and is up to 350 meters wide (crossing line 54E at 50+50N and 52N, line 52E at 47+50N and 51N and line 50E at 49+50N and 51N).

-outcrop belonging to the Pyroxenite Unit has been mapped within this anomaly and a quartz carbonate alteration zone is located on L50E, 50+50N where the highest Pd anomaly on the soil grid was found, and from which anomalous Pd values were recorded.

-drill hole S-5 was located within this anomaly and consists of the pyroxenite/hornblendite and breccia and "pegmatitic" phases from which anomalous Cu, Ni, Au, Pt and Pd values were obtained.

I.2.f Island Lake South Pt, Pd Anomaly

-the Pt, Pd anomaly overlaps the Island Lake East Cu anomaly and is a somewhat spotty anomaly.

-it trends at 015 degrees with a strike length of 500 meters (crossing line 52E at 53+75N and 55+60N and line 48E at 52+25N and 53+75N) with variable width up to 185 meters wide bordered by Island Lake on the north and open to the south.

-both the Pyroxenite/Hornblendite and Diorite unit outcrop within this anomaly and rock samples with anomalous Cu, Au and Pd have been recorded.

-drill holes S-1 and S-2 are located on the southeast side of this anomaly and contain the pyroxenite/hornblendite breccia and "pegmatitic" phases, anomalous Cu, Ni, Au, Pt and Pd values were recorded in this hole.

-This anomaly has the potential to be extended to the south.

I.2.g Island Lake West Anomaly

-this zone is defined by anomalous Cu, Ni, Au, Pt and Pd values, and is located on L54E from 64N to 65N and is closed off.

-geologically it is underlain by the Pyroxenite/Hornblendite unit samples collected in the vicinity contain anomalous Cu, Au, Pt and Pd.

-drill hole S-7 located southeast of the anomaly contains the pyroxenite/hornblendite phase and breccia phases, is strongly sheared and samples collected have anomalous Cu, Ni, Au, Pt and Pd values.

I.2.h Quartz/Carbonate Alteration Zones

-thirteen quartz/carbonate alteration zones were mapped and sampled on the property; four are subcrop and nine in outcrop.

-two were better exposed by digging and were mapped and sampled in detail.

-they vary in width from 0.15 meters up to at least 5 meters wide with
strikes ranging from 088 to 150 degrees.

-alteration has been observed in both the Pyroxenite/Hornblendite and Diorite units.

-they are thought to form by shearing of the rock followed by alteration and resealing by quartz and carbonate veinlets.

-they may contain anomalous Cu, Au, Pt and Pd values but rarely Ni values, when Au values are anomalous so is As, this is thought to reflect the introduction of As into the system by the hydrothermal alteration fluids in addition to Au, Pt and Pd but post date the initial intrusive event.

J. Recommendations

Seven soil geochemical anomalies have been described and 13 quartz carbonate alteration zones mentioned as potential exploration targets. Detailed exploration has previously concentrated on Cu porphyry models and has centered geographically on the area on the east side of Island Lake. The project undertaken this year has indicated that their is potential for Au, Pt and Pd mineralization in addition to Cu and Cu-Ni in sufficient detail to warrant further exploration. The following exploration programs are recommended: a phase one

program to outline sulphide concentrations and shear zones by geophysical methods with a phase two follow-up program of drill testing. An airborne geophysical survey should be considered as an additional phase prior to phase one. An estimate of the costs for these programs follows:

Phase 1: trenching; geophysical surveys (I.P., Mag-VLF-EM)

Personnel:		
Project Geologist	55 days x $300/day	$ 16,500.00
Field Assistants	2 men x 45 days x $200/day	18,000.00
Supervision	5 days x $325/day	1,625.00
Room and Board:	250 man/days x $45/man/day	11,250.00
Truck Rental:	45 dayx x $60/day + fuel	3,000.00
Field Equipment:		1,500.00
Cat-backhoe:		
trenching and drill site preparation (approx. 10 days)		7,000.00
Analyses:		
6 km soil sampling - 240 samples x $17/sample		4,080.00
rock sampling - 200 samples x $17/sample		3,400.00
Geophysics:		
I.P. - 30 km x $1,000/km		30,000.00
Mag/VLF-EM - 50 km x $200/km		10,000.00
Report Preparation & Drafting:		3,000.00
Sub Total		$ 109,355.00
5% (fees, overhead)		5,467.00
	Total	$ 114,822.00

Appendix 1

Statement of Qualifications

STATEMENT OF QUALIFICATIONS

I, Arvid John Buskas, of R.R. #2, Wetaskiwin, Alberta, do hereby certify:

1. I graduated from the University of Alberta, Edmonton, in 1982 with a Bachelor of Science with Honours in Geology.

2. I graduated from the Australian National University, Canberra, Australia, in 1987 with a Master of Science in Geology.

3. From 1980 to 1983 I worked summers as a geological field assistant and have worked full time as a geologist since 1987.

4. I supervised the work described in this report, and undertook the geologic mapping, rock sampling, core logging and sampling, trench mapping and sampling.

A. J. Buskas
M. Sc.

Dated at Vancouver, British Columbia, this 15th day of November, 1989.

Appendix 2

Statement of Expenditures

Statement of Expenditures

Canim Project 1989

The present report covers two seperate filing. The first covers the filing dated August 14, 1989 during which geological core logging and sampling was done and reported on in section H of the report. The second covers all other work done and filed on November 16, 1989.

Phase 1 Expenditures:

Geological Core Logging and Sampling (August 14, 1989 filing)

Professional Fees:			
G. L. Garratt	August 1 - 3	3 days @ $300/day	$ 900.00
J. W. Mortin	August 1 - 3	3 days @ $300/day	900.00
A. Buskas	August 1 - 14	14 days @ $275/day	3,850.00
Room & Board:	20 man days @ $50/day		1,000.00
	Total		$6,650.00

Phase 2 Expenditures:

Exploration Program (November 16, 1989 filing)

Professional Fees:		
J. W. Morton	2 days @ $300/day	600.00
A. Buskas	35 days @ $275/day	9,625.00
Field Personnel Fees:		
A. Fahlman	10 days @ $200/day	2,000.00
T. MacKenzie	30 days @ $200/day	6,000.00
S. Novak	30 days @ $200/day	6,000.00
Truck Rental:	43 days @ $60/day	2,580.00
Travel Expenses:	(includes Room & Board)	5,897.81
Field Equipment:		1,749.05
Analyses:		
Assay	881 samples @ $15.52/sample	13,675.29
Petrographic		17.35
Map Reproduction:		142.68
Communication:	Telephone	55.01
	Courier	14.20
Drafting:		535.66
Freight:		209.70
Food:		197.93
	Total	$ 49,299.68

Appendix 3

Certificates of Analyses and

Analytical Methods

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU** PT** PD** RH** BY FIRE ASSAY & ANALYSIS BY ICP/GRAPHITE FURNACE. 30 GM

DATE RECEIVED: AUG 14 1989 DATE REPORT MAILED: Aug 24/89 SIGNED BY. C. Leong ...D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

MINCORD EXPLORATION File # 89-2883 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB	Pt** PPB	Pd** PPB	Rh** PPB
S1-89 5.4-7.4	1	195	2	37	.2	43	25	323	5.97	6	5	ND	1	101	1	2	2	299	1.96	.055	2	62	1.66	65	.17	2	1.47	.15	.14	1	8	19	39	2
S1-89 16.4-17.4	1	11	2	22	.1	52	26	208	7.27	9	5	ND	2	20	1	2	2	289	.32	.006	2	159	.89	21	.16	2	.49	.04	.03	1	1	16	2	2
S1-89 22.9-23.9	1	6	2	25	.1	115	29	319	4.58	4	5	ND	1	28	1	2	2	114	.91	.007	2	273	2.48	59	.08	10	.43	.03	.08	1	1	10	4	2
S1-89 27.5-28.5	1	15	2	49	.1	47	30	252	6.03	6	5	ND	1	142	1	2	2	223	1.56	.068	2	75	2.71	123	.20	2	2.13	.04	.06	1	4	18	20	2
S1-89 51.2-52.2	1	289	2	38	.1	23	30	330	5.63	9	5	ND	1	86	1	2	2	232	2.15	.080	2	50	1.42	22	.13	2	1.22	.07	.07	1	3	10	50	2
S1-89 56.2-57.2	1	186	2	39	.2	31	25	337	5.16	9	5	ND	1	98	1	2	2	220	2.18	.151	2	48	1.76	40	.14	2	1.55	.09	.10	1	3	12	32	2
S1-89 62.7-63.7	1	16	5	32	.1	12	16	393	4.81	4	5	ND	1	86	1	2	2	73	4.23	.068	5	8	.46	24	.02	11	.20	.03	.08	1	2	3	10	2
S2-89 14.0-15.0	1	800	4	49	.3	6	32	320	3.07	10	5	ND	1	116	2	2	2	414	2.79	.442	4	2	2.16	323	.17	2	2.00	.24	.64	1	1	1	2	2
S2-89 20.1-21.1	1	742	3	41	.3	5	25	348	5.98	7	5	ND	1	145	2	2	2	300	3.26	.503	5	3	2.18	206	.14	8	2.00	.28	.37	1	4	1	9	2
S2-89 31.0-32.0	1	7	2	22	.1	58	20	169	4.29	2	5	ND	1	38	1	2	2	179	.64	.013	2	132	1.15	56	.08	2	.73	.02	.10	1	1	141	8	2
S2-89 26.2-27.7	1	381	2	60	.2	80	52	697	9.48	21	5	ND	1	152	2	3	2	225	2.49	.098	2	39	1.28	25	.10	9	1.21	.06	.26	1	2	86	7	2
S2-89 32.5-33.5	1	4	2	32	.1	102	40	477	5.39	4	5	ND	1	39	1	2	2	142	1.15	.007	2	150	1.23	61	.08	2	.66	.02	.15	1	1	420	26	3
S2-89 35.4-36.4	1	5	2	15	.1	55	16	259	1.97	6	5	ND	1	26	1	2	2	29	1.15	.002	2	119	1.33	62	.05	19	.53	.02	.13	1	2	286	18	1
S2-89 41.7-42.7	1	880	2	50	.5	27	30	674	6.45	9	5	ND	1	113	1	2	2	234	2.42	.278	4	10	1.72	220	.14	15	1.51	.19	.40	1	4	14	5	2
S2-89 49.0-50.0	2	1	7	13	.1	8	2	316	1.45	5	5	ND	1	35	1	2	2	3	1.64	.011	2	6	.15	79	.01	4	.13	.03	.08	1	37	3	3	2
S2-89 63.9-64.9	1	3	2	13	.1	55	19	136	1.49	7	5	ND	1	47	1	2	2	33	.81	.004	2	135	1.27	45	.05	5	.71	.02	.13	1	2	229	83	2
S2-89 69.2-70.2	1	440	2	37	.3	10	22	326	4.81	7	5	ND	1	137	1	2	2	230	2.21	.155	2	2	2.12	166	.19	2	1.87	.17	.27	1	15	1	5	2
S2-89 76.0-77.0	1	285	2	35	.1	7	20	345	4.23	3	5	ND	1	119	1	2	2	207	2.16	.004	2	2	2.12	219	.23	6	1.83	.17	.28	1	30	1	30	2
S3-89 7.8-8.8	1	496	2	27	.2	10	17	311	4.73	5	5	ND	1	81	1	2	2	235	2.12	.048	2	8	1.55	117	.17	2	1.27	.17	.19	1	18	11	51	1
S3-89 15.8-16.8	1	620	2	35	.5	18	23	362	5.33	9	5	ND	1	145	1	2	2	246	2.28	.010	2	40	1.89	1133	.22	2	1.54	.13	.36	1	41	17	17	2
S3-89 19.1-20.1	1	423	2	45	.2	32	29	560	7.44	15	5	ND	1	81	2	2	2	328	2.77	.019	2	34	3.02	419	.18	2	1.98	.10	.44	1	3	37	18	2
S3-89 26.4-27.4	1	48	2	41	.1	81	35	331	7.29	17	5	ND	1	53	1	2	2	316	1.58	.007	2	151	2.56	410	.22	5	1.57	.11	.67	3	1	95	7	2
S3-89 34.6-35.6	1	19	2	30	.1	69	26	666	3.79	13	5	ND	1	155	1	2	2	106	5.92	.006	2	246	2.82	147	.05	10	.91	.05	.25	1	7	16	6	2
S3-89 38.9-39.9	1	65	2	18	.1	58	17	281	3.80	2	5	ND	1	86	1	2	2	117	2.24	.003	2	248	1.63	393	.10	21	.78	.05	.22	1	1	85	14	2
S3-89 45.3-46.3	1	723	2	40	.3	10	24	341	5.75	8	5	ND	1	97	1	2	2	279	1.83	.125	3	6	2.00	365	.23	5	1.68	.16	.49	1	31	1	30	2
S3-89 49.6-50.6	1	419	2	41	.1	8	24	422	5.59	89	5	ND	1	100	1	13	2	268	2.39	.006	2	4	2.31	376	.22	6	1.82	.17	.42	1	60	5	117	2
S4-89 14.0-15.0	1	184	2	43	.2	130	30	619	5.32	10	5	ND	1	153	2	2	2	167	6.27	.034	2	214	4.44	158	.05	2	1.38	.04	.29	2	8	12	12	2
S4-89 16.5-17.4	1	1043	2	28	.2	69	50	656	5.56	80	5	ND	1	369	2	15	2	129	8.06	.008	2	76	4.93	92	.05	5	1.07	.02	.37	1	52	19	27	2
S4-89 21.7-22.7	1	555	2	40	.4	83	25	633	4.91	32	5	ND	1	156	1	2	2	188	5.91	.036	2	182	3.16	214	.10	2	1.97	.08	.39	1	21	15	15	2
S4-89 24.4-25.3	1	479	2	27	.2	31	17	485	3.93	9	5	ND	1	146	1	2	2	148	4.50	.035	2	164	3.08	107	.12	4	1.37	.12	.15	1	5	8	11	2
S4-89 56.7-57.7	1	291	2	43	.1	19	26	470	5.81	8	5	ND	1	116	1	4	2	246	2.15	.012	2	16	2.04	395	.20	7	1.76	.13	.24	1	27	7	78	2
S5-89 6.1-7.1	1	20	2	58	.1	37	24	504	11.14	15	5	ND	1	90	2	2	2	498	3.72	.006	2	7	1.75	52	.23	2	1.14	.06	.08	1	10	10	26	2
S5-89 11.6-12.6	1	212	2	57	.2	52	29	682	6.77	11	5	ND	2	209	1	2	2	245	6.33	.053	2	71	3.92	349	.05	6	1.84	.02	.17	3	20	22	15	2
S5-89 13.4-14.4	1	125	2	43	.1	169	32	968	5.45	21	5	ND	1	261	2	2	2	143	9.84	.007	2	369	5.13	236	.03	2	1.01	.02	.28	1	35	7	12	2
S5-89 15.1-16.1	1	95	2	19	.2	37	15	622	3.05	52	5	ND	2	219	1	3	2	72	7.11	.014	2	70	2.85	36	.01	2	.46	.03	.06	1	105	4	9	2
S5-89 [illegible]	1	[illegible]	2	[illegible]	.1	41	[illegible]	[illegible]	[illegible]	5	5	ND	1	184	2	2	2	253	1.93	.017	2	77	2.21	98	.16	5	1.24	.14	.14	1	4	68	19	2

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB	Pt** PPB	Pd** PPB	Rh** PPB
S5-89 26.8-27.8	1	33	2	47	.1	22	27	400	7.82	12	5	ND	1	189	2	2	2	319	2.90	.044	2	33	1.90	98	.20	4	1.45	.11	.15	2	17	37	33	2
S5-89 30.2-30.8	1	36	3	28	.1	8	15	262	3.33	9	5	ND	1	220	1	3	2	125	1.55	.067	3	4	1.24	604	.17	8	1.47	.03	.37	1	4	3	8	2
S5-89 201-210	1	37	2	33	.1	9	18	275	4.77	9	5	ND	1	187	1	2	2	185	1.75	.160	4	4	1.34	396	.16	10	1.41	.09	.34	1	4	5	16	2
S5-89 39.3-39.9	1	1120	2	49	.6	19	30	559	6.65	13	5	ND	1	269	2	2	4	276	4.32	.017	2	16	3.45	234	.25	9	2.52	.09	.29	1	138	7	4	2
S5-89 43.8-44.8	1	39	2	46	.1	16	27	372	7.34	12	5	ND	1	90	1	2	2	330	1.91	.013	2	1	2.19	299	.26	2	1.70	.15	.34	3	9	7	120	2
S5-89 47.0-48.0	1	119	2	42	.1	45	24	412	6.42	11	5	ND	2	99	1	2	2	265	3.69	.071	2	132	1.94	194	.23	7	1.39	.10	.36	1	10	26	35	2
S5-89 57.3-57.7	1	12	2	24	.1	5	8	304	1.93	3	5	ND	6	130	1	2	2	69	3.02	.018	4	2	.68	1790	.06	4	.45	.07	.07	1	4	2	2	2
S5-89 59.8-60.8	1	13	2	34	.1	8	19	339	4.26	7	5	ND	1	129	1	2	2	187	1.84	.014	2	2	1.65	835	.23	2	1.33	.11	.49	1	4	3	69	2
S5-89 60.2-60.45	1	9	4	6	.2	3	4	112	.90	3	5	ND	3	120	1	2	2	39	1.13	.011	3	2	.18	1819	.07	7	.33	.11	.37	1	5	1	2	2
S5-89 77.1-78.0	1	35	2	49	.1	22	27	408	6.88	24	5	ND	1	219	2	2	2	324	3.49	.013	2	9	2.76	109	.36	6	2.24	.12	.23	2	53	6	44	2
S5-89 90.5-91.5	1	73	8	74	.3	26	43	697	8.44	62	5	ND	1	202	3	2	2	266	6.69	.034	2	12	5.58	100	.02	2	3.10	.01	.21	5	89	3	138	2
STD C/FA-5I	19	65	42	133	6.8	71	31	1007	4.21	43	18	6	38	49	19	14	19	60	.52	.090	39	55	.92	176	.07	36	2.04	.06	.13	12	98	104	100	21

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU** PT** PD** RH** BY FIRE ASSAY & ANALYSIS BY ICP/GRAPHITE FURNACE. 30 GM

DATE RECEIVED: AUG 15 1989 DATE REPORT MAILED: Aug 23/89 SIGNED BY. C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

MINCORD EXPLORATION PROJECT CONIM File # 89-2929

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	AU** PPB	PT** PPB	PD** PPB	RH** PPB
S6-89/6.2-7.2	1	8	7	69	.1	388	83	880	7.04	30	5	ND	1	57	1	21	2	6	1.11	.008	2	111	11.99	29	.01	239	.21	.01	.07	1	4	55	5	2
S6-89/11.8-12.8	1	174	16	66	.2	29	25	795	6.67	3	5	ND	1	117	1	2	2	171	2.88	.483	5	32	5.29	66	.10	4	3.41	.06	.16	1	4	2	5	2
S6-89/21.3-22.0	1	13	3	19	.1	75	20	408	2.43	8	5	ND	1	102	1	2	3	30	5.75	.044	2	100	4.11	36	.02	6	.40	.02	.07	1	2	17	2	2
S6-89/25.2-26.2	2	12	2	13	.1	99	24	311	2.07	2	5	ND	1	49	1	2	4	9	1.87	.011	2	76	3.45	52	.02	8	.25	.02	.12	1	3	26	3	2
S6-89/31.3-32.3	1	10	2	20	.1	57	17	290	1.85	2	5	ND	1	76	1	2	3	15	2.27	.025	2	75	2.07	108	.03	5	.72	.03	.10	1	2	23	5	2
S6-89/45.7-46.3	1	22	8	18	.1	9	7	299	2.40	5	5	ND	2	116	1	2	2	57	2.78	.139	4	12	1.19	164	.05	2	1.05	.06	.08	1	4	1	3	2
S6-89/59.1-60.1	1	13	8	39	.1	118	40	653	3.93	11	5	ND	1	282	1	8	2	36	2.79	.062	3	327	6.86	240	.01	4	2.97	.02	.09	1	2	5	3	2
S6-89/73.4-74.4	1	5	2	24	.1	97	23	305	2.46	2	5	ND	1	65	1	2	2	31	1.58	.030	2	232	4.62	25	.03	9	1.05	.02	.03	1	3	11	4	2
S7-89/5.3-6.3	1	33	10	46	.2	214	28	547	5.56	14	5	ND	1	67	1	5	2	137	1.90	.171	2	124	5.83	295	.14	93	1.58	.12	.50	1	1	25	4	2
S7-89/[illegible]	1	7	5	34	.1	310	42	463	3.97	9	5	ND	1	23	1	7	3	29	.64	.010	2	171	7.10	80	.04	135	.78	.03	.15	1	3	25	5	2
S7-89/7.6-8.8	1	159	2	61	.3	125	38	384	9.17	10	5	ND	1	63	1	5	2	313	1.34	.073	2	304	3.43	122	.12	29	1.33	.06	.37	1	134	23	4	2
S7-89/8.8-9.1	1	753	9	59	.7	17	28	610	7.10	5	5	ND	1	182	1	4	2	227	1.75	.153	2	31	4.67	156	.19	7	3.29	.10	.43	1	4	1	6	2
S7-89/11.2-12.2	1	362	4	42	.4	19	21	369	5.09	3	5	ND	1	114	1	2	2	196	2.84	.521	6	63	2.42	322	.18	64	1.90	.19	.50	1	4	8	3	2
S7-89/14.0-14.4	1	470	10	68	.7	21	28	571	6.80	3	5	ND	1	151	1	2	2	259	1.48	.333	6	22	3.44	895	.29	10	2.47	.10	1.52	1	11	1	6	2
S7-89/25.0-25.7	1	62	5	33	.1	15	15	327	3.38	4	6	ND	1	171	1	2	2	129	1.75	.235	4	14	2.07	739	.18	476	1.59	.11	.44	1	4	2	2	2
S7-89/26.8-27.8	1	730	2	57	.5	259	48	595	6.98	10	5	ND	1	99	1	9	2	133	2.42	.259	2	159	7.20	244	.08	174	1.66	.05	.36	1	3	125	6	3
S7-89/29.9-30.9	1	4	2	20	.1	134	21	276	2.37	4	5	ND	1	33	1	2	2	34	.79	.013	2	214	3.20	50	.04	27	.47	.03	.12	1	3	11	4	2
S7-89/37.2-38.2	1	3	4	26	.1	190	26	297	2.77	2	5	ND	1	27	1	2	2	21	.95	.010	2	245	4.50	85	.03	64	.72	.02	.18	1	1	2	2	2
S7-89/45.7-46.7	1	2	2	19	.1	110	21	208	2.12	2	5	ND	1	18	1	2	2	32	.48	.006	2	179	2.82	210	.08	16	.89	.04	.47	1	2	6	2	2
S7-89/49.3-50.3	1	79	4	46	.3	9	21	354	6.73	2	7	ND	1	122	1	2	2	306	2.71	.369	3	16	2.10	189	.22	2	1.91	.27	.41	1	16	15	28	2
S7-89/53.4-54.4	1	2	8	26	.1	139	30	257	3.33	2	5	ND	1	18	1	2	2	68	.49	.010	2	145	3.77	202	.08	26	.80	.03	.34	1	2	47	10	2
S7-89/74.1-75.1	1	16	2	42	.3	75	31	293	9.11	5	6	ND	1	68	1	2	2	342	1.63	.361	2	150	2.32	410	.20	6	1.59	.10	.72	1	4	66	31	2
S7-89/76.7-77.7	1	319	10	57	.3	37	27	785	6.95	409	5	ND	1	413	1	6	2	213	8.36	.083	2	76	4.14	22	.01	3	1.40	.02	.11	1	213	13	10	2
S8-89/15.2-15.4	2	33	2	141	.1	7	7	962	2.50	2	5	ND	1	87	1	2	2	104	7.36	.116	4	10	.31	5	.11	2	.92	.02	.02	1	3	1	3	2
S8-89/19.8-20.8	1	203	4	42	.1	38	23	346	3.61	7	5	ND	1	44	1	2	2	67	2.09	.085	2	61	.98	13	.12	5	1.40	.03	.08	1	3	4	5	2
S8-89/33.9-34.9	1	106	2	27	.1	17	14	344	3.52	2	5	ND	1	45	1	2	2	98	2.23	.103	2	33	.89	15	.11	5	1.32	.05	.10	1	4	2	10	2
S8-89/41.3-42.3	1	159	6	62	.1	21	17	443	3.99	2	5	ND	1	28	1	2	2	96	2.02	.111	4	46	1.37	13	.17	3	1.45	.03	.06	1	3	1	3	2
S8-89/51.3-52.3	1	95	5	46	.2	19	13	323	4.17	2	5	ND	1	40	1	2	2	119	1.42	.112	3	43	1.17	21	.16	6	1.36	.05	.11	1	2	5	14	2
S8-89/70.6-71.6	1	139	2	32	.1	17	18	324	2.97	3	5	ND	1	110	1	2	2	71	1.93	.102	2	36	1.01	9	.12	2	1.15	.04	.05	1	5	1	12	2
S8-89/76.8-77.8	1	60	9	31	.1	15	11	287	3.37	3	5	ND	1	61	1	2	2	109	1.77	.103	2	34	.90	16	.10	4	1.36	.04	.08	2	3	5	18	2
S8-89/82.1-84.1	1	75	2	30	.1	9	11	373	3.14	2	5	ND	1	49	1	2	2	106	1.95	.119	5	18	.86	24	.12	4	1.45	.06	.11	1	4	1	5	2
STD C/FA-5X	20	64	42	133	6.8	75	31	1014	4.08	40	24	7	37	49	19	16	22	59	.50	.095	39	55	.87	176	.07	36	2.05	.06	.14	12	100	98	105	20

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Soil -80 Mesh AU** PT** PD** BY FIRE ASSAY AND ANALYSIS BY ICP/GRAPHITE FURNACE.

DATE RECEIVED: AUG 28 1989 DATE REPORT MAILED: Sept 7/89 SIGNED BY. C. Leong. D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

MINCORD EXPLORATION PROJECT CANIM File # 89-3254 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB	Pt** PPB	Pd** PPB
C 32E 76+00N	1	22	10	75	.1	21	12	301	2.94	3	6	ND	4	35	1	2	2	72	.51	.040	6	45	.54	218	.12	2	1.69	.02	.15	2	6	3	6
C 32E 75+50N	1	9	10	69	.1	10	8	179	2.07	5	5	ND	2	28	1	2	2	48	.52	.146	4	29	.30	318	.08	2	1.16	.01	.08	1	1	6	7
C 32E 75+00N	1	29	8	113	.1	19	14	918	3.29	2	5	ND	2	50	1	2	2	74	.83	.109	5	63	.64	404	.10	2	2.07	.02	.14	1	2	8	7
C 32E 74+50N	1	24	8	192	.3	27	14	382	3.02	2	5	ND	4	27	1	2	5	63	.36	.265	5	48	.59	287	.11	2	2.03	.02	.07	2	5	7	2
C 32E 74+00N	1	24	10	111	.1	21	11	352	2.60	2	5	ND	1	30	1	2	3	68	.40	.091	4	45	.58	170	.12	2	1.74	.02	.08	1	5	3	7
C 32E 73+50N	1	49	8	134	.1	36	17	332	3.77	4	5	ND	4	33	1	2	3	83	.42	.106	7	60	.81	180	.14	2	3.02	.02	.08	2	4	5	7
C 32E 73+00N	1	22	11	113	.2	26	14	548	3.26	4	5	ND	3	38	1	2	4	75	.53	.069	5	50	.56	268	.12	2	2.23	.02	.10	1	3	5	7
C 32E 72+50N	1	27	7	99	.2	22	11	231	3.01	3	5	ND	3	31	1	2	2	67	.41	.112	4	42	.50	242	.10	7	1.96	.02	.09	1	2	6	8
C 32E 72+00N	1	21	9	63	.2	14	9	215	2.71	2	5	ND	3	42	1	2	2	70	.54	.111	4	40	.47	255	.12	2	1.22	.02	.07	1	6	2	4
C 32E 71+50N	1	44	9	66	.1	27	12	297	2.99	2	5	ND	3	49	1	2	3	79	.84	.031	5	57	.64	102	.13	2	1.76	.02	.08	1	3	11	6
C 32E 71+00N	1	20	7	99	.1	17	11	292	2.88	2	5	ND	2	39	1	3	3	68	.52	.152	4	40	.45	121	.11	2	1.65	.02	.08	1	1	3	8
C 32E 70+50N	1	26	4	91	.3	22	12	371	2.96	2	5	ND	3	45	1	3	3	73	.63	.120	5	46	.61	183	.11	2	1.60	.02	.10	2	6	5	2
C 32E 70+00N	1	15	8	112	.2	17	10	434	2.42	3	5	ND	3	34	1	2	2	58	.53	.096	5	35	.51	229	.11	3	1.56	.02	.10	1	1	6	2
C 32E 69+50N	1	37	13	67	.1	25	10	437	2.48	2	5	ND	1	27	1	2	2	52	.33	.059	4	36	.44	144	.11	2	1.89	.02	.10	1	2	1	3
C 32E 69+00N	1	26	12	147	.3	20	12	1040	2.85	2	5	ND	3	43	1	2	2	52	.59	.125	5	36	.49	422	.10	3	1.64	.02	.11	1	1	5	7
C 32E 68+50N	1	15	11	108	.2	16	11	828	2.50	2	5	ND	2	42	1	2	2	48	.57	.211	5	30	.41	349	.09	3	1.85	.02	.11	1	4	5	4
C 32E 68+00N	1	65	11	63	.3	27	18	449	3.76	3	5	ND	4	58	1	2	2	101	.80	.044	7	63	.97	94	.17	2	1.67	.03	.16	1	10	2	2
C 32E 67+00N	1	129	11	82	.4	25	17	1047	3.31	7	5	ND	1	71	1	2	3	77	1.06	.023	4	41	.65	138	.10	2	1.52	.02	.11	1	3	3	4
C 32E 66+50N	1	46	10	103	.3	30	16	446	3.47	4	5	ND	2	44	1	2	2	85	.69	.083	6	63	.93	111	.13	2	1.83	.02	.15	1	99	4	2
C 32E 66+00N	1	33	7	111	.4	25	13	555	2.86	2	5	ND	3	41	1	2	4	67	.60	.112	5	54	.68	175	.11	2	1.59	.02	.13	1	1	12	2
C 34E 80+00N	1	28	6	44	.2	23	12	311	2.92	5	5	ND	3	34	1	3	4	87	.54	.030	6	62	.67	78	.14	12	1.22	.03	.06	2	5	8	5
C 34E 79+50N	1	27	6	65	.1	19	11	362	2.83	2	5	ND	1	29	1	2	2	66	.38	.091	4	43	.49	118	.11	6	1.59	.02	.09	1	1	4	2
C 34E 79+00N	1	30	7	72	.1	28	13	304	3.29	3	5	ND	2	33	1	2	6	84	.51	.090	6	56	.68	120	.14	2	1.88	.02	.13	1	1	1	2
C 34E 77+50N	1	30	7	91	.4	34	15	308	3.60	4	5	ND	4	33	1	2	2	91	.46	.090	7	64	.76	121	.14	2	2.25	.02	.07	1	2	2	4
C 34E 77+00N	1	21	7	77	.2	24	12	726	3.04	2	5	ND	2	36	1	3	11	87	.51	.061	6	61	.56	140	.13	4	1.39	.02	.06	1	1	6	2
C 34E 76+50N	1	21	5	112	.1	27	14	387	3.18	2	5	ND	2	33	1	2	2	80	.51	.147	5	50	.61	104	.11	2	1.81	.02	.08	1	4	2	3
C 34E 76+00N	1	26	7	85	.4	38	16	222	3.72	2	5	ND	3	37	1	3	4	91	.60	.110	5	76	.79	114	.14	2	2.08	.02	.09	1	2	4	4
C 36E 79+50N	1	71	7	41	.4	39	16	276	3.52	4	5	ND	4	52	1	2	3	90	.93	.017	12	74	.86	151	.14	4	2.26	.03	.10	1	2	3	9
C 36E 79+00N	1	52	6	43	.2	27	11	236	2.93	2	5	ND	2	39	1	2	3	85	.67	.030	7	58	.81	64	.16	3	1.48	.03	.07	1	11	3	2
C 36E 78+50N	1	32	7	48	.2	30	14	275	3.90	4	5	ND	3	42	1	2	3	117	.69	.059	7	82	.97	64	.17	2	1.54	.03	.11	1	8	8	2
C 36E 78+00N	1	13	7	96	.2	15	12	471	2.59	2	5	ND	2	26	1	3	2	65	.33	.190	4	38	.34	185	.10	10	1.21	.02	.05	1	1	2	2
C 36E 77+50N	1	25	6	69	.1	19	10	340	2.60	2	5	ND	1	30	1	2	2	66	.48	.102	4	43	.47	100	.12	2	1.35	.02	.09	1	1	2	3
C 36E 77+00N	1	41	8	50	.2	21	15	294	3.77	3	5	ND	3	43	1	2	3	122	.67	.044	5	72	.96	66	.15	13	1.44	.03	.12	1	4	4	2
C 36E 76+50N	1	28	5	67	.1	26	12	483	3.20	2	5	ND	2	34	1	2	3	97	.60	.053	5	64	.62	101	.12	2	1.44	.02	.10	1	2	3	9
C 36E 76+00N	1	22	9	63	.3	21	9	190	2.56	2	5	ND	3	30	1	2	2	67	.49	.062	5	50	.52	75	.12	7	1.36	.02	.07	1	4	24	7
C 36E 75+50N	1	16	11	71	.5	20	10	145	2.92	2	5	ND	4	25	1	2	2	70	.37	.094	5	47	.45	100	.13	2	1.68	.02	.08	1	1	1	2

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB	Pt** PPB	Pd** PPB
C 36E 75+00N	1	47	7	67	.1	30	13	300	3.18	5	5	ND	2	40	1	2	2	89	.58	.021	6	59	.77	74	.15	8	1.53	.03	.09	1	4	2	2
C 36E 74+50N	1	101	11	66	.4	47	17	556	4.26	9	5	ND	3	67	1	2	2	98	.86	.023	8	84	.98	142	.14	2	2.49	.03	.14	1	1	4	3
C 36E 74+00N	1	89	6	56	.3	43	20	541	4.41	11	5	ND	4	51	1	3	2	124	.84	.070	8	89	1.14	103	.15	3	1.74	.03	.17	1	140	11	10
C 36E 73+00N	1	41	9	47	.2	25	15	307	3.46	3	5	ND	2	42	1	2	2	101	.65	.061	6	65	.80	64	.14	2	1.45	.03	.10	1	3	5	2
C 36E 72+50N	1	46	7	44	.2	32	13	265	3.26	6	5	ND	3	41	1	2	2	97	.60	.048	6	73	.89	53	.14	2	1.32	.02	.09	1	2	6	3
C 36E 72+00N	1	41	7	54	.1	24	12	212	2.98	3	5	ND	2	42	1	2	2	88	.61	.052	5	56	.67	57	.13	11	1.36	.02	.06	1	6	2	2
C 36E 71+50N	1	55	6	71	.1	22	13	433	2.97	5	5	ND	1	54	1	2	2	80	.61	.052	5	67	.66	91	.11	8	1.37	.02	.10	1	6	1	2
C 36E 71+00N	1	72	9	150	.1	25	17	383	3.82	7	5	ND	2	46	1	2	2	92	.54	.125	5	51	.77	129	.12	2	2.04	.01	.10	2	8	5	3
C 36E 70+50N	1	58	11	163	.3	27	19	650	3.34	4	5	ND	3	27	1	2	2	70	.30	.120	4	45	.54	179	.12	8	2.10	.01	.07	1	1	1	3
C 36E 70+00N	1	104	6	100	.2	32	14	458	3.26	4	5	ND	2	37	1	2	2	86	.57	.030	7	59	.72	102	.14	9	1.54	.02	.11	1	4	8	2
C 36E 69+50N	1	118	7	73	.2	43	15	427	3.97	7	5	ND	3	42	1	2	2	96	.64	.024	7	71	.88	102	.16	2	2.07	.02	.13	1	12	2	9
C 36E 69+00N	1	161	10	80	.4	47	18	580	4.45	10	5	ND	2	62	1	2	2	98	.95	.042	9	71	1.04	169	.14	6	2.44	.03	.21	1	4	3	6
C 36E 68+00N	1	69	11	180	.2	31	16	801	3.89	6	5	ND	2	32	1	2	2	78	.31	.120	5	52	.64	229	.12	9	2.23	.01	.08	1	57	4	3
C 36E 67+50N	1	20	8	105	.1	19	11	363	2.45	3	5	ND	1	26	1	2	3	63	.33	.074	4	39	.43	114	.11	2	1.28	.02	.06	1	1	1	6
C 36E 67+00N	1	46	7	56	.4	27	14	218	3.31	5	5	ND	3	34	1	2	4	92	.49	.020	6	62	.78	75	.16	2	1.54	.02	.11	1	4	4	3
C 36E 66+50N	1	67	10	76	.1	27	14	365	3.53	6	5	ND	2	40	1	2	2	93	.59	.069	6	62	.82	104	.13	2	1.60	.02	.12	1	4	1	16
C 36E 66+00N	1	25	11	149	.2	21	13	342	2.70	4	5	ND	2	25	1	2	2	63	.37	.052	4	39	.46	116	.13	3	1.54	.02	.08	1	1	4	6
C 38E 80+00N	1	26	7	43	.1	23	11	145	2.96	4	5	ND	1	27	1	2	2	87	.41	.032	4	60	.58	74	.13	4	1.23	.02	.06	1	3	8	14
C 38E 79+50N	1	21	9	55	.1	26	12	151	3.78	2	5	ND	2	25	1	2	2	98	.41	.114	5	66	.58	68	.13	7	1.58	.02	.06	1	5	10	2
C 38E 79+00N	1	23	7	72	.4	24	11	289	2.36	3	5	ND	4	28	1	2	2	65	.45	.032	6	51	.62	56	.14	10	1.35	.02	.07	1	6	3	2
C 38E 78+50N	1	25	7	51	.1	24	11	199	3.14	3	5	ND	2	28	1	2	2	95	.48	.050	5	64	.63	40	.13	9	1.19	.03	.08	1	1	3	8
C 38E 78+00N	1	17	8	35	.2	21	9	197	2.42	2	5	ND	2	25	1	2	2	73	.41	.037	4	49	.48	46	.11	9	.99	.02	.05	2	13	16	10
C 38E 77+50N	1	24	8	43	.1	32	15	161	3.94	6	5	ND	2	28	1	2	2	119	.47	.057	4	83	.69	49	.14	5	1.21	.02	.06	1	1	15	4
C 38E 77+00N	1	41	9	66	.1	36	15	238	3.81	2	5	ND	2	35	1	2	2	110	.52	.057	5	74	.82	79	.15	6	1.74	.03	.10	2	8	9	10
C 38E 76+50N	1	22	6	50	.1	19	9	178	1.99	2	5	ND	1	25	1	2	2	59	.38	.025	4	41	.49	49	.11	10	1.07	.02	.05	1	11	5	6
C 38E 76+00N	1	50	7	48	.1	17	11	337	2.90	4	5	ND	2	37	1	2	2	85	.52	.046	5	49	.60	57	.12	2	1.14	.02	.07	2	36	11	4
C 38E 73+50N	1	53	5	45	.2	24	12	331	2.87	6	5	ND	2	44	1	2	2	88	.63	.039	6	51	.85	63	.15	2	1.38	.03	.08	1	5	4	3
C 38E 73+00N	1	33	5	57	.1	23	12	198	3.38	4	5	ND	2	41	1	2	2	95	.63	.085	5	57	.69	67	.12	9	1.44	.02	.06	2	7	2	2
C 38E 72+50N	1	42	10	94	.2	28	13	295	3.62	7	5	ND	4	34	1	2	2	88	.44	.175	5	53	.55	153	.10	6	1.91	.02	.07	2	20	3	9
C 38E 72+00N	1	31	13	134	.1	27	13	306	3.39	7	5	ND	2	28	1	2	2	75	.33	.241	4	44	.50	146	.11	7	2.21	.02	.06	1	6	2	5
C 38E 71+50N	1	29	9	94	.2	15	9	550	2.93	3	5	ND	2	19	1	2	2	70	.24	.092	4	33	.33	98	.10	6	1.72	.01	.04	1	1	1	2
C 38E 71+00N	1	18	6	88	.1	22	12	289	2.92	2	5	ND	2	22	1	2	2	80	.33	.075	4	50	.47	96	.11	10	1.31	.02	.06	1	2	1	4
C 38E 70+50N	1	29	9	111	.1	33	14	265	3.51	5	5	ND	2	29	1	2	2	86	.42	.123	4	56	.64	154	.12	9	2.04	.02	.09	1	21	4	7
C 38E 70+00N	1	25	9	76	.1	20	11	212	2.58	3	5	ND	3	19	1	2	2	63	.27	.127	4	40	.42	103	.11	2	1.52	.02	.06	1	10	16	15
C 38E 69+50N	1	45	10	73	.2	24	13	291	2.51	2	5	ND	2	26	1	2	2	66	.38	.030	5	42	.55	84	.11	3	1.40	.02	.08	2	3	7	3
C 38E 69+00N	1	37	6	78	.1	19	10	321	2.42	2	5	ND	2	30	1	2	2	68	.36	.036	4	37	.47	113	.11	9	1.09	.02	.05	1	1	3	7
STD C/PA-5E	18	63	44	132	6.7	69	31	957	4.18	42	19	7	40	49	18	14	16	59	.49	.088	39	53	.88	178	.07	36	1.91	.06	.13	12	102	98	101

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB	Pt** PPB	Pd** PPB
C 38E 68+50N	1	15	9	84	.1	17	9	345	2.02	4	5	ND	1	23	1	2	2	53	.35	.039	3	32	.32	99	.09	7	1.11	.02	.08	2	1	16	6
C 38E 68+00N	1	14	10	89	.2	17	9	287	2.31	2	5	ND	1	19	1	2	2	50	.27	.179	3	33	.28	133	.09	2	1.42	.01	.05	1	9	6	6
C 38E 67+50N	1	16	8	116	.3	20	12	343	2.43	3	5	ND	1	21	1	2	4	55	.31	.163	3	39	.38	154	.09	8	1.51	.01	.07	2	2	3	2
C 38E 67+00N	1	31	8	88	.1	20	10	226	2.44	3	5	ND	1	23	1	2	2	67	.35	.034	4	41	.54	102	.11	3	1.29	.02	.05	2	2	11	2
C 38E 66+50N	1	35	9	101	.1	23	14	336	3.11	2	5	ND	1	24	1	2	2	73	.39	.126	4	59	.68	96	.10	2	1.41	.01	.06	1	12	14	2
C 38E 66+00N	1	12	8	72	.2	11	8	164	1.93	5	5	ND	2	21	1	2	2	51	.31	.105	3	29	.29	104	.09	8	.81	.02	.04	1	4	11	2
C 40E 76+00N	1	25	8	73	.1	31	14	296	3.31	2	5	ND	1	23	1	2	2	86	.36	.073	4	64	.57	85	.11	10	1.72	.02	.06	1	2	47	2
C 40E 75+50N	1	34	8	89	.1	29	14	920	3.38	4	5	ND	1	37	1	2	2	91	.62	.089	4	71	.64	156	.11	7	1.40	.02	.09	1	3	56	5
C 40E 75+00N	1	27	6	71	.3	27	13	500	2.91	2	5	ND	1	49	1	2	2	82	.97	.067	6	65	.63	140	.11	5	1.16	.02	.08	1	1	14	5
C 40E 73+00N	1	25	9	102	.1	21	13	280	3.09	2	5	ND	1	26	1	2	2	70	.31	.081	4	45	.50	138	.12	3	1.09	.02	.06	1	1	10	4
C 40E 72+50N	1	47	13	112	.1	16	10	486	3.36	2	5	ND	1	38	1	2	2	72	.32	.130	3	32	.43	180	.07	6	1.62	.01	.07	2	6	1	5
C 40E 72+00N	1	332	16	119	.6	41	12	508	3.81	9	5	ND	2	48	1	2	2	73	.80	.037	8	54	.74	189	.12	3	3.17	.02	.08	1	19	3	2
C 40E 71+50N	1	17	6	82	.1	17	11	178	2.83	3	5	ND	1	26	1	2	2	65	.34	.232	3	46	.45	153	.09	2	1.26	.02	.06	1	6	7	8
C 40E 71+00N	1	70	9	60	.3	36	12	350	3.21	4	5	ND	2	37	1	2	2	66	.57	.037	6	62	.90	133	.13	2	2.37	.02	.13	1	4	4	2
C 40E 70+50N	1	22	7	62	.2	23	12	175	3.45	7	5	ND	2	29	1	2	2	104	.45	.016	4	57	.54	58	.14	2	1.26	.02	.06	2	6	8	4
C 40E 70+00N	1	49	8	121	.3	27	16	428	3.57	8	5	ND	2	33	1	2	2	85	.38	.130	4	56	.67	150	.11	2	1.77	.02	.07	1	4	1	4
C 40E 69+50N	1	23	8	128	.2	14	10	223	2.47	4	5	ND	2	21	1	2	2	60	.24	.072	3	28	.32	95	.10	9	1.18	.01	.05	1	5	8	2
C 40E 69+00N	1	33	11	84	.1	28	13	258	3.04	2	5	ND	2	24	1	2	2	73	.35	.108	5	55	.62	90	.11	2	1.63	.02	.06	2	2	6	5
C 40E 68+50N	1	18	7	81	.3	20	9	193	2.28	3	5	ND	2	21	1	2	2	53	.38	.120	4	35	.35	104	.10	3	1.04	.01	.05	1	1	9	2
C 40E 68+00N	1	18	8	67	.2	20	9	188	2.35	2	5	ND	2	20	1	2	2	64	.32	.072	4	39	.43	64	.10	2	1.21	.02	.06	1	10	3	2
C 40E 67+50N	1	15	4	73	.1	19	10	201	2.19	2	5	ND	2	15	1	2	2	56	.24	.068	3	35	.40	89	.10	3	1.21	.02	.05	1	19	6	2
C 40E 67+00N	1	38	8	76	.1	27	13	196	2.95	4	5	ND	2	26	1	2	2	80	.38	.042	5	52	.70	65	.12	9	1.36	.02	.06	1	8	13	11
C 40E 66+50N	1	38	9	54	.1	23	12	229	2.72	3	5	ND	1	31	1	2	2	77	.43	.036	4	49	.65	49	.11	8	1.10	.02	.05	1	22	8	2
C 40E 66+00N	1	31	9	69	.1	16	8	126	2.51	4	5	ND	1	22	1	2	4	65	.31	.064	4	39	.44	48	.10	5	1.22	.02	.04	1	4	2	2
C 50E 76+00N	1	11	8	60	.2	16	9	472	2.67	3	5	ND	2	12	1	2	2	73	.21	.051	3	43	.29	62	.11	2	1.09	.01	.04	1	8	19	4
C 50E 75+50N	1	32	7	45	.2	26	13	208	2.83	4	5	ND	3	24	1	2	2	89	.44	.024	6	60	.67	74	.13	3	1.25	.02	.07	1	14	14	2
C 50E 75+00N	1	4	4	40	.1	8	6	513	2.06	2	5	ND	1	9	1	2	2	63	.15	.054	2	37	.16	64	.09	6	.83	.01	.03	1	10	1	2
C 50E 74+50N	1	29	9	102	.1	49	19	329	4.18	5	5	ND	2	21	1	2	2	104	.41	.096	5	98	1.03	137	.13	6	1.99	.02	.08	1	3	14	7
C 50E 74+00N	1	11	5	42	.1	24	13	389	2.90	2	5	ND	2	21	1	2	2	83	.36	.026	3	64	.53	70	.11	2	.88	.01	.06	1	7	23	2
C 50E 73+50N	1	26	5	50	.1	27	14	229	3.41	5	5	ND	2	24	1	2	2	101	.40	.049	4	65	.64	66	.11	4	1.16	.02	.09	1	16	1	2
C 50E 73+00N	1	28	4	55	.3	27	13	223	3.37	5	5	ND	3	20	1	2	2	98	.36	.086	3	61	.54	78	.09	5	1.10	.02	.07	1	6	12	6
C 50E 72+50N	1	62	7	50	.2	36	17	373	3.74	8	5	ND	3	35	1	2	2	105	.70	.077	6	75	1.02	96	.12	2	1.44	.02	.14	1	8	5	2
C 50E 72+00N	1	22	8	67	.2	20	11	212	3.04	5	5	ND	3	43	1	2	2	87	.96	.103	5	46	.51	103	.10	8	1.13	.02	.08	1	11	7	13
C 50E 71+50N	1	37	4	53	.1	27	14	341	3.17	4	5	ND	2	34	1	2	2	92	.67	.071	7	57	.79	100	.12	4	1.25	.02	.09	1	9	8	2
C 50E 70+00N	1	18	9	50	.1	25	12	186	3.03	2	5	ND	1	21	1	2	2	79	.32	.060	4	57	.50	91	.11	2	1.46	.01	.06	1	6	93	8
C 50E 69+50N	1	17	7	77	.2	33	13	234	3.28	3	5	ND	3	17	1	2	2	79	.28	.128	4	61	.52	112	.10	3	1.60	.02	.05	1	10	13	2
STD C/FA-5X	18	62	41	132	6.9	72	31	960	4.18	42	20	7	40	49	18	15	21	59	.49	.088	39	52	.88	175	.07	35	1.87	.06	.14	12	97	100	99

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB	Pt** PPB	Pd** PPB
C 50E 69+00N	1	26	5	39	.1	18	8	141	2.49	2	5	ND	1	27	1	2	2	73	.49	.011	4	48	.52	40	.13	5	1.21	.02	.08	2	2	12	2
C 50E 68+50N	1	18	5	53	.2	22	11	212	2.77	2	5	ND	2	25	1	2	2	75	.46	.088	5	50	.50	81	.11	10	1.33	.02	.09	1	3	7	3
C 50E 68+00N	1	30	4	40	.2	21	10	250	2.40	4	5	ND	3	26	1	2	2	71	.44	.025	6	50	.54	52	.13	4	1.16	.02	.10	1	3	4	2
C 50E 67+50N	1	64	9	65	.1	31	13	445	2.94	3	5	ND	2	43	1	2	2	79	.94	.067	10	61	.79	142	.12	7	1.73	.03	.17	1	4	6	2
C 50E 67+00N	1	29	8	83	.1	22	14	220	2.91	4	5	ND	1	26	1	2	2	84	.43	.101	4	46	.61	130	.12	6	1.45	.02	.08	1	2	8	3
C 50E 66+50N	1	50	7	50	.1	28	16	387	3.33	3	5	ND	2	57	1	2	2	101	.97	.073	6	58	.94	102	.15	5	1.57	.03	.22	1	8	8	5
C 50E 65+50N	1	93	7	91	.5	53	18	496	3.75	6	5	ND	3	65	1	2	2	94	1.10	.058	6	73	1.12	146	.15	5	2.20	.03	.17	3	36	12	2
C 50E 65+00N	1	27	8	60	.4	26	14	207	3.46	3	5	ND	2	42	1	2	2	114	.84	.070	4	54	.72	68	.13	7	1.42	.02	.12	1	1	10	2
C 50E 65+00N A	1	43	6	68	.1	33	16	342	3.39	4	5	ND	1	32	1	2	2	100	.51	.085	6	59	.82	87	.14	3	1.70	.02	.10	1	1	9	2
C 50E 64+50N	1	60	7	104	.1	31	16	223	3.23	4	5	ND	2	35	1	2	2	86	.57	.095	6	62	.80	93	.13	2	1.84	.02	.10	1	1	6	2
C 50E 64+00N	1	35	6	66	.1	20	12	233	2.64	5	5	ND	1	20	1	2	2	76	.32	.098	3	43	.52	87	.12	2	1.41	.02	.08	1	3	4	2
C 50E 63+50N	1	28	4	55	.1	20	11	284	2.44	3	5	ND	1	21	1	2	2	67	.33	.085	4	39	.49	72	.12	2	1.46	.02	.06	1	3	3	2
C 50E 63+00N	1	51	7	70	.2	27	15	1487	3.29	9	5	ND	2	48	1	2	2	94	.82	.088	5	62	.92	200	.15	7	1.63	.02	.14	1	2	4	4
C 50E 62+00N	1	50	6	52	.2	29	15	240	3.46	2	5	ND	3	34	1	2	2	106	.57	.045	6	57	.82	96	.15	4	1.73	.03	.08	1	1	7	2
C 50E 61+50N	1	54	6	49	.2	31	14	270	3.05	6	5	ND	3	39	1	2	2	89	.66	.056	7	57	1.02	82	.16	4	1.60	.03	.10	2	3	6	2
C 50E 61+00N	1	54	6	46	.3	32	13	262	2.93	4	5	ND	3	34	1	2	2	88	.59	.045	6	59	.80	86	.13	2	1.33	.02	.11	1	7	3	6
C 50E 60+50N	1	56	5	77	.1	31	13	429	2.84	2	5	ND	1	30	1	2	2	79	.57	.087	3	54	.70	124	.11	4	1.46	.02	.08	1	1	4	2
C 50E 60+00N	1	38	5	54	.1	26	14	207	2.85	2	5	ND	1	28	1	2	2	84	.44	.047	5	51	.68	63	.15	4	1.51	.02	.07	1	4	5	4
C 50E 50+00N	2	44	5	45	.2	33	18	118	4.05	5	5	ND	2	31	1	3	2	135	.43	.020	3	68	.65	67	.15	9	1.59	.03	.05	2	5	7	5
C 50E 49+50N	1	84	7	49	.1	33	20	267	5.44	7	5	ND	1	48	1	2	2	214	.71	.053	3	51	1.19	85	.18	6	1.55	.06	.07	1	8	3	37
C 50E 49+00N	1	65	5	54	.4	31	16	776	3.26	4	5	ND	1	28	1	3	2	113	.43	.027	3	51	.78	77	.12	2	1.38	.03	.05	1	2	4	3
C 50E 48+50N	1	44	6	63	.2	24	13	202	3.70	2	5	ND	1	26	1	2	2	121	.40	.108	3	50	.59	145	.13	2	1.52	.03	.05	1	6	8	2
C 50E 48+00N	1	118	5	50	.1	19	14	169	4.17	3	5	ND	1	34	1	2	2	163	.54	.060	2	34	.65	98	.14	2	1.30	.05	.05	1	6	7	6
C 50E 47+50N	1	48	8	78	.1	26	15	441	3.31	5	5	ND	1	26	1	2	2	98	.38	.087	3	58	.64	135	.13	3	1.53	.02	.06	1	5	4	2
C 50E 47+50N A	1	238	6	53	.1	30	20	252	5.16	3	5	ND	1	49	1	2	2	197	.83	.051	2	58	1.23	74	.17	5	1.62	.07	.08	1	22	7	16
C 50E 47+00N	1	52	10	98	.2	47	28	328	4.77	4	5	ND	1	21	1	2	2	123	.46	.047	2	108	2.01	110	.22	2	2.51	.02	.06	1	4	13	2
C 50E 46+50N	1	34	4	31	.1	27	14	142	4.08	2	5	ND	1	21	1	2	2	143	.38	.007	2	81	.92	65	.16	2	1.00	.02	.03	1	1	52	45
C 50E 46+00N	1	51	6	52	.1	42	21	227	5.56	3	5	ND	1	24	1	2	2	175	.43	.078	2	99	1.06	122	.14	2	1.72	.03	.06	2	6	16	5
C 50E 45+50N	1	9	5	48	.2	10	8	310	1.62	2	5	ND	1	10	1	2	2	40	.15	.064	2	48	.26	65	.08	3	.56	.01	.03	1	1	2	2
C 50E 45+00N	1	8	5	60	.1	16	8	344	1.87	2	5	ND	1	14	1	2	2	47	.23	.072	2	50	.40	69	.08	2	.91	.01	.03	1	1	2	2
C 50E 44+50N	1	10	6	63	.1	15	8	522	1.92	2	5	ND	1	13	1	2	2	49	.21	.078	2	49	.38	74	.09	2	.91	.01	.03	2	1	3	5
C 50E 42+50N	1	104	10	80	.1	64	29	321	5.99	5	5	ND	1	42	1	2	2	177	.93	.103	3	133	1.91	128	.23	3	2.15	.03	.18	2	1	10	8
C 50E 42+00N	1	175	8	78	.2	55	25	369	5.00	6	5	ND	1	37	1	3	2	157	.74	.057	4	117	1.54	87	.19	4	1.84	.03	.08	1	7	5	10
C 50E 41+50N	1	78	6	46	.1	35	16	295	3.50	2	5	ND	1	31	1	2	2	87	.59	.029	5	73	.83	148	.14	5	1.83	.02	.09	2	3	1	3
C 50E 41+00N	1	34	7	75	.1	97	29	228	4.85	2	5	ND	1	16	1	2	2	168	.78	.016	2	280	2.82	59	.28	2	2.66	.02	.06	1	9	9	10
C 50E 40+50N	1	100	6	54	.1	21	16	336	3.44	6	5	ND	1	16	1	2	2	93	.28	.109	2	43	.53	124	.10	2	1.02	.02	.05	1	2	2	8
STD C/FA-5X	18	63	40	132	6.7	67	31	959	4.02	38	16	7	37	49	18	18	21	59	.49	.089	39	52	.88	182	.07	32	1.95	.06	.13	13	104	99	96

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB	Pt** PPB	Pd** PPB
C 50E 40+00N	1	149	14	60	.3	63	19	299	3.44	3	5	ND	2	37	1	2	2	57	1.88	.027	10	57	.46	124	.13	4	3.76	.02	.04	1	2	2	8
C 50E 39+50N	1	76	4	45	.1	29	14	159	3.24	2	5	ND	1	29	1	2	4	104	.62	.011	3	54	.68	63	.16	5	1.40	.03	.05	1	1	4	2
C 50E 38+50N	1	69	8	86	.1	35	19	231	3.63	2	5	ND	1	45	1	2	2	109	.82	.136	2	79	1.42	113	.21	4	2.34	.03	.05	1	5	6	3
C 50E 38+00N	1	74	6	93	.1	37	21	256	3.87	2	5	ND	1	53	1	2	2	117	.92	.140	3	84	1.53	118	.21	6	2.52	.04	.06	1	6	1	2
C 50E 37+50N	1	22	7	53	.3	11	6	184	1.99	2	5	ND	1	18	1	2	2	65	.28	.027	3	22	.24	50	.11	5	.88	.02	.03	1	10	1	11
C 50E 37+00N	1	127	3	93	.1	35	19	464	3.93	9	5	ND	2	52	1	2	2	106	1.06	.102	6	59	1.12	95	.15	3	2.36	.02	.09	2	2	5	2
C 50E 36+50N	1	69	7	63	.1	22	14	195	3.37	5	5	ND	1	48	1	2	4	79	.69	.062	5	41	.68	66	.14	4	1.87	.02	.06	1	2	1	2
C 50E 36+00N	1	54	4	88	.1	22	12	291	2.85	3	5	ND	1	37	1	2	4	71	.55	.103	5	37	.57	71	.13	4	2.05	.02	.06	1	14	1	5
C 50E 35+75N	1	71	4	87	.1	30	14	417	3.33	2	5	ND	1	51	1	2	2	82	.75	.076	7	46	.79	82	.14	2	2.28	.02	.11	1	3	1	3
C 50E NO NUMBER	1	97	4	48	.1	36	18	379	3.60	4	5	ND	1	50	1	2	2	105	.90	.056	8	65	1.29	90	.18	2	2.00	.03	.16	1	4	5	9
C 51E 50+00N	1	32	4	76	.1	33	15	222	3.36	2	5	ND	1	33	1	2	2	103	.59	.082	4	42	.86	79	.15	2	1.80	.04	.07	1	4	2	45
C 51E 49+50N	1	48	5	81	.1	40	19	219	5.21	6	5	ND	1	34	1	2	2	161	.53	.160	4	60	.89	85	.18	2	2.16	.04	.06	1	1	4	6
C 51E 49+00N	1	26	3	70	.1	21	12	212	2.99	2	5	ND	1	23	1	2	2	88	.37	.110	4	39	.56	90	.14	8	1.38	.03	.05	1	9	4	2
C 51E 48+50N	1	92	2	43	.1	34	17	239	4.37	5	5	ND	1	47	1	2	2	151	.83	.055	6	65	1.19	58	.16	8	1.57	.06	.09	2	11	5	5
C 51E 48+00N	1	171	2	50	.1	33	20	288	5.60	4	5	ND	1	54	1	2	2	207	.92	.034	3	74	1.47	62	.20	4	1.80	.08	.07	1	4	10	9
C 51E 47+50N	1	234	2	56	.2	31	22	292	5.41	8	5	ND	1	66	1	2	2	203	1.14	.051	3	58	1.55	77	.20	3	1.95	.10	.10	1	23	14	16
C 51E 46+50N	1	146	3	69	.1	28	16	367	5.43	6	5	ND	1	53	1	2	2	203	.86	.090	3	50	1.08	130	.19	5	2.03	.08	.09	1	28	17	16
C 51E 46+00N	1	108	2	66	.1	22	16	304	4.79	2	5	ND	1	44	1	2	2	178	.71	.098	3	43	.85	119	.18	3	1.72	.07	.08	2	7	10	19
STD C/FA-5I	18	61	39	132	6.8	66	31	1014	4.20	43	18	7	38	49	18	14	19	59	.52	.091	39	53	.95	174	.07	36	2.08	.06	.14	12	99	102	103

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Soil -80 Mesh AU** PT** PD** BY FIRE ASSAY AND ANALYSIS BY ICP/GRAPHITE FURNACE.

DATE RECEIVED: AUG 30 1989 DATE REPORT MAILED: Sept 7/89 SIGNED BY. C. Leong ..D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Mincord Resources Inc. PROJECT CANIM File # 89-3331 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB	Pt** PPB	Pd** PPB
C 34E 76+00N	2	82	59	64	.6	29	14	408	3.75	4	5	ND	1	50	1	2	2	91	.84	.034	9	64	.61	295	.14	2	2.14	.02	.13	1	8	4	5
C 34E 75+50N	1	33	14	77	.1	23	12	379	3.30	4	5	ND	1	37	1	2	2	73	.46	.123	4	53	.51	245	.11	2	2.04	.02	.11	1	7	5	2
C 34E 74+50N	1	20	10	88	.1	28	12	359	2.97	2	5	ND	1	28	1	2	2	78	.39	.105	4	58	.52	135	.12	2	1.62	.02	.06	1	2	2	2
C 34E 74+00N	1	23	9	73	.2	29	11	201	2.83	2	5	ND	1	25	1	2	5	71	.35	.152	4	48	.47	95	.12	2	1.73	.02	.06	1	4	1	2
C 34E 73+50N	1	42	5	61	.2	28	13	239	2.93	3	5	ND	1	37	1	2	2	82	.50	.060	4	55	.64	111	.14	2	1.90	.02	.06	1	11	2	2
C 34E 73+00N	1	33	14	91	.2	46	14	317	3.53	5	5	ND	1	33	1	2	2	90	.49	.142	4	72	.67	159	.12	2	1.91	.02	.07	1	1	3	7
C 34E 72+50N	1	27	4	51	.1	22	10	261	2.88	3	5	ND	1	36	1	2	2	80	.45	.048	4	44	.49	116	.14	2	1.76	.02	.05	1	1	1	3
C 34E 72+00N	2	33	9	83	.1	87	16	354	3.30	5	5	ND	1	30	1	2	2	78	.39	.071	4	69	.86	125	.13	2	1.95	.02	.06	1	4	2	5
C 34E 71+50N	1	19	11	91	.2	24	11	234	2.71	2	5	ND	1	34	1	2	2	75	.45	.042	4	45	.46	191	.13	4	1.79	.02	.06	1	6	2	9
C 34E 71+00N	1	23	9	84	.1	18	8	254	2.53	2	5	ND	1	32	1	2	2	75	.44	.047	2	39	.38	125	.09	2	1.00	.02	.06	1	10	3	9
C 34E 70+50N	1	19	9	114	.1	20	10	447	3.00	2	5	ND	1	38	1	2	2	82	.45	.077	3	44	.46	159	.12	2	1.48	.02	.08	1	2	5	10
C 34E 70+00N	1	64	12	52	.1	25	14	350	3.54	5	5	ND	1	51	1	2	2	100	.71	.065	7	62	.77	84	.14	2	1.31	.03	.13	1	10	9	10
C 34E 69+50N	1	32	9	99	.3	30	15	490	3.36	2	5	ND	1	38	1	2	2	85	.51	.133	4	61	.65	152	.12	2	1.72	.02	.09	1	13	1	2
C 34E 68+50N	1	57	7	80	.2	28	14	454	3.32	4	5	ND	1	55	1	2	2	92	.77	.076	5	61	.75	91	.13	4	1.47	.02	.11	1	10	2	6
C 34E 68+00N	1	27	6	82	.2	25	12	303	2.81	4	5	ND	1	36	1	2	2	77	.53	.045	5	43	.53	90	.14	2	1.48	.02	.11	1	14	3	5
C 34E 67+50N	2	99	12	128	.2	38	15	314	3.74	7	5	ND	1	52	1	2	2	81	.49	.078	8	55	.76	97	.14	2	2.18	.01	.12	1	8	3	4
C 34E 67+00N	1	23	7	139	.2	25	12	523	2.79	2	5	ND	1	37	1	2	2	73	.54	.061	4	47	.60	148	.13	2	1.59	.02	.14	1	17	3	4
C 34E 66+50N	1	17	14	100	.2	22	12	413	2.70	2	5	ND	1	38	1	2	2	70	.52	.080	4	45	.53	135	.13	2	1.41	.02	.10	1	2	3	6
C 34E 66+00N	1	20	6	119	.2	22	12	510	2.56	2	5	ND	1	34	1	2	2	63	.43	.081	3	67	.64	140	.12	3	1.29	.02	.07	1	2	6	4
C 38E 75+00N	1	25	6	54	.1	25	11	347	2.93	2	5	ND	1	38	1	2	2	92	.60	.048	4	68	.56	89	.12	3	1.05	.03	.08	1	1	4	68
C 38E 74+00N	1	38	2	83	.1	26	12	588	2.77	2	5	ND	1	50	1	2	2	83	.97	.074	5	57	.66	111	.11	3	1.23	.02	.11	1	1	3	5
C 44E 80+00N	1	66	5	42	.1	45	21	232	5.17	10	5	ND	1	44	1	3	2	130	.86	.024	9	122	1.41	101	.17	2	2.03	.03	.14	4	5	11	6
C 44E 79+50N	1	26	3	60	.1	37	14	244	3.34	2	5	ND	1	37	1	2	2	99	.65	.047	5	84	.94	71	.16	2	1.57	.03	.07	2	3	4	11
C 44E 79+00N	1	41	7	57	.1	42	17	364	3.90	4	5	ND	1	44	1	2	2	116	.83	.063	6	94	1.23	86	.17	2	1.71	.04	.11	1	10	24	8
C 44E 78+50N	1	34	11	57	.1	37	16	241	4.32	2	5	ND	1	45	1	2	2	133	.78	.057	6	93	1.04	78	.18	2	1.95	.04	.08	1	10	7	10
C 44E 78+00N	1	43	7	62	.1	36	17	445	4.27	7	5	ND	1	48	1	2	2	134	.75	.057	5	81	1.12	92	.18	2	1.83	.04	.10	1	3	6	5
C 44E 77+50N	1	8	14	72	.2	18	8	229	2.48	2	5	ND	1	18	1	3	6	61	.27	.172	4	41	.26	101	.10	2	1.53	.01	.04	1	3	10	6
C 44E 77+00N	1	23	5	80	.1	41	15	261	3.72	6	5	ND	1	28	1	2	2	108	.46	.070	5	87	.87	105	.14	3	1.76	.02	.13	1	5	11	10
C 44E 76+50N	1	37	8	55	.1	40	16	242	3.72	4	5	ND	1	39	1	2	2	111	.60	.085	5	76	.84	59	.15	2	1.78	.03	.08	2	7	5	13
C 44E 76+00N	1	16	6	71	.2	34	14	221	3.22	2	5	ND	1	28	1	2	2	89	.42	.103	4	72	.55	94	.12	2	1.62	.02	.06	1	1	3	6
C 48E 76+00N	1	19	5	63	.1	33	13	215	3.38	3	5	ND	1	26	1	2	2	102	.47	.067	5	71	.58	102	.13	4	1.35	.03	.07	1	2	6	4
C 48E 75+50N	1	23	3	63	.1	33	13	380	3.45	2	5	ND	1	34	1	2	2	105	.59	.060	5	70	.67	115	.14	2	1.30	.03	.12	1	1	6	15
C 48E 75+00N	1	24	4	77	.1	39	15	394	3.80	2	5	ND	1	36	1	2	2	109	.56	.059	3	93	.78	136	.13	2	1.53	.02	.10	1	6	20	4
C 48E 74+50N	1	26	6	134	.1	44	17	912	3.74	2	5	ND	1	31	1	2	2	106	.51	.075	4	84	.68	250	.12	3	1.47	.02	.11	1	1	42	5
C 48E 74+00N	1	18	3	76	.1	33	17	253	3.77	2	5	ND	1	30	1	2	2	104	.44	.217	4	69	.60	154	.11	2	1.48	.02	.08	1	1	6	7
C 48E 73+50N	1	16	5	88	.1	26	12	500	3.53	4	5	ND	1	37	1	2	2	97	.49	.102	4	60	.52	115	.14	6	1.69	.03	.07	1	6	10	3

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB	Pt** PPB	Pd** PPB
C 48E 73+00N	1	40	2	58	.1	18	9	173	3.23	2	5	ND	1	31	1	3	2	77	.25	.064	3	44	.53	101	.11	2	1.13	.04	.10	1	2	10	8
C 48E 72+50N	1	27	7	74	.1	30	14	354	3.63	2	5	ND	1	42	1	2	4	105	.57	.104	5	72	.83	149	.15	2	1.52	.04	.10	3	2	9	6
C 48E 72+00N	1	24	9	88	.1	23	12	414	2.73	2	5	ND	1	26	1	2	2	81	.42	.162	5	46	.50	197	.12	2	1.66	.02	.07	1	2	4	4
C 48E 71+50N	1	32	9	91	.1	29	14	390	2.72	2	5	ND	1	32	1	2	2	76	.50	.128	7	58	.81	125	.15	4	1.75	.03	.08	1	3	4	6
C 48E 71+00N	1	22	3	47	.1	23	10	210	2.09	2	5	ND	1	22	1	2	2	65	.36	.072	6	36	.43	109	.12	2	1.44	.02	.06	1	4	2	2
C 48E 70+50N	1	22	11	75	.1	37	14	280	3.36	2	5	ND	1	30	1	2	2	104	.50	.093	5	77	.75	76	.14	2	1.66	.03	.06	1	4	8	2
C 48E 69+50N	1	30	2	42	.1	32	13	281	3.06	2	5	ND	1	43	1	2	2	103	.79	.076	7	70	.93	59	.16	2	1.32	.03	.09	1	6	6	2
C 48E 69+00N	1	21	10	73	.1	33	16	202	3.07	2	5	ND	1	44	1	2	2	94	.83	.023	6	63	.78	87	.18	4	1.73	.03	.07	1	1	4	2
C 48E 68+50N	1	31	2	59	.2	26	12	277	2.29	2	5	ND	1	33	1	2	4	68	.62	.040	5	44	.60	75	.13	5	1.48	.03	.12	1	1	1	2
C 48E 68+00N	1	28	8	69	.1	30	13	288	2.93	4	5	ND	1	38	1	2	2	89	.58	.064	6	60	.74	101	.16	2	1.73	.03	.10	1	2	1	2
C 48E 67+50N	1	42	8	60	.1	39	16	231	3.78	2	5	ND	1	39	1	2	2	119	.61	.059	6	79	.96	79	.17	2	1.81	.03	.10	1	7	5	2
C 48E 67+00N	1	32	5	80	.1	39	17	403	3.83	2	5	ND	1	34	1	2	2	129	.61	.106	5	69	.88	99	.14	2	1.57	.03	.10	1	3	17	2
C 48E 66+50N	1	89	2	63	.1	57	24	564	4.52	6	5	ND	1	56	1	2	2	135	1.03	.072	11	99	1.66	127	.21	5	2.31	.05	.22	1	4	4	2
C 48E 66+00N	1	32	3	75	.1	42	15	262	3.58	2	5	ND	1	37	1	2	2	111	.60	.074	7	80	.93	80	.17	2	1.76	.03	.10	1	1	3	4
C 48E 65+50N	1	22	9	92	.2	21	11	412	2.30	3	5	ND	1	27	1	2	2	71	.42	.087	5	42	.50	117	.13	2	1.34	.02	.07	1	2	1	2
C 48E 65+00N	1	38	10	52	.1	22	10	257	2.23	2	5	ND	1	22	1	2	2	69	.35	.081	4	37	.42	107	.12	2	1.47	.02	.05	2	1	1	2
C 48E 64+50N	1	25	6	97	.1	30	12	642	2.60	2	5	ND	1	36	1	2	2	74	.56	.119	4	49	.62	197	.13	4	1.71	.02	.08	1	2	1	2
C 48E 64+00N	1	17	7	76	.1	26	12	389	2.50	2	5	ND	1	30	1	2	2	76	.48	.112	4	54	.50	132	.13	2	1.13	.02	.07	1	5	14	11
C 48E 63+50N	1	19	8	134	.1	29	14	739	2.64	2	5	ND	1	33	1	2	2	82	.50	.088	4	53	.60	222	.13	2	1.48	.02	.08	2	3	4	5
C 48E 63+00N	1	33	10	49	.1	30	12	340	3.02	4	5	ND	1	36	1	2	2	105	.67	.074	5	61	.79	75	.12	5	1.16	.03	.09	1	20	26	9
C 48E 62+50N	1	29	3	58	.1	31	14	192	3.16	2	5	ND	1	38	1	2	2	96	.66	.029	5	59	.76	87	.18	2	1.85	.02	.08	1	2	12	2
C 48E 61+50N	1	54	2	58	.1	35	17	315	3.03	3	5	ND	1	37	1	2	2	91	.62	.033	8	64	.99	72	.17	2	1.82	.03	.08	1	7	2	2
C 48E 61+00N	1	33	6	71	.1	27	13	217	2.59	3	5	ND	1	30	1	2	2	73	.45	.101	5	47	.69	89	.14	2	1.71	.02	.08	2	3	15	2
C 48E 60+50N	1	17	6	53	.1	21	9	311	1.81	2	5	ND	1	19	1	2	2	53	.29	.075	3	29	.32	69	.11	2	1.49	.02	.05	1	1	1	2
C 48E 60+00N	1	23	11	79	.1	34	14	314	3.34	5	5	ND	1	26	1	2	2	95	.41	.212	5	59	.63	120	.14	2	1.78	.02	.07	1	1	4	2
C 49E 64+00N	1	40	2	76	.1	36	16	263	3.43	2	5	ND	1	31	1	2	2	108	.54	.099	5	62	.91	108	.15	2	1.96	.03	.09	1	2	208	15
C 49E 64+00N A	1	15	2	60	.1	18	9	289	2.12	2	5	ND	1	21	1	2	2	66	.28	.041	4	36	.30	55	.12	2	1.16	.02	.04	1	3	2	3
C 49E 63+50N	1	34	8	97	.2	45	17	229	3.72	2	5	ND	1	31	1	2	2	105	.49	.146	6	70	.87	157	.15	4	2.46	.03	.09	1	1	24	2
C 49E 63+00N	1	23	3	92	.1	30	12	584	2.85	3	5	ND	1	30	1	2	2	87	.46	.126	5	55	.64	156	.14	8	1.57	.03	.07	2	32	13	14
C 49E 62+50N	1	32	10	79	.2	30	14	250	3.10	2	5	ND	1	35	1	2	2	86	.53	.149	6	54	.73	126	.14	6	1.86	.03	.09	2	2	17	2
C 49E 62+00N	1	27	12	87	.1	24	12	314	2.74	3	5	ND	1	31	1	2	2	81	.50	.181	3	47	.53	137	.12	2	1.50	.02	.09	1	3	3	2
C 49E 61+00N	1	44	7	74	.1	36	15	235	3.33	2	5	ND	1	32	1	2	2	100	.54	.108	5	60	.84	91	.15	2	2.14	.02	.08	1	5	3	3
C 49E 60+50N	1	33	7	71	.1	32	14	192	3.52	3	5	ND	1	29	1	2	2	108	.45	.103	5	59	.69	73	.15	3	1.96	.02	.07	1	3	3	2
C 49E 60+00N	1	33	4	67	.1	33	13	250	3.21	2	5	ND	1	28	1	2	2	97	.46	.113	5	59	.69	96	.14	2	1.84	.02	.07	1	7	1	2
C 49E 59+50N	1	26	2	58	.1	27	12	221	2.77	2	5	ND	1	29	1	2	2	96	.46	.053	5	52	.60	103	.15	2	1.40	.03	.06	1	4	5	2
C 49E 59+00N	1	52	2	66	.2	45	15	301	3.02	2	5	ND	1	32	1	2	2	90	.53	.072	6	67	.91	100	.15	2	1.80	.02	.09	1	1	2	2
STD C/FA-5X	19	61	44	132	6.9	72	31	1031	3.90	45	21	8	38	50	19	14	22	61	.51	.097	40	57	.91	181	.07	34	1.98	.06	.13	13	99	102	96

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB	Pt** PPB	Pd** PPB
C 51E 64+00N	1	22	9	94	.1	26	13	274	2.95	2	5	ND	1	32	1	2	2	73	.49	.156	4	48	.60	132	.14	5	1.79	.03	.07	1	1	4	8
C 51E 63+50N	1	18	6	90	.2	22	11	293	2.73	2	5	ND	1	30	1	2	2	70	.48	.142	4	46	.54	125	.13	3	1.59	.03	.07	3	5	11	2
C 51E 63+00N	1	44	6	77	.1	33	15	422	3.52	3	5	ND	1	39	1	2	2	102	.61	.095	6	65	.89	132	.15	2	1.75	.03	.08	1	4	63	15
C 51E 62+50N	1	20	9	88	.1	27	13	577	3.08	2	5	ND	1	29	1	2	2	82	.45	.141	5	53	.61	134	.13	4	1.65	.03	.07	1	29	1	4
C 51E 62+00N	1	32	5	37	.1	34	15	225	4.06	2	5	ND	1	44	1	2	2	134	.74	.025	4	66	.95	56	.18	2	1.52	.03	.10	2	3	18	15
C 52E 75+50N	1	39	12	67	.1	106	30	516	5.20	7	5	ND	1	39	1	3	2	119	.78	.074	6	161	2.58	101	.15	9	1.81	.03	.11	1	6	166	18
C 52E 74+50N	1	82	4	57	.1	49	20	455	4.77	4	5	ND	1	48	1	2	2	122	.99	.073	9	112	1.42	111	.17	8	2.05	.04	.20	1	8	17	7
C 52E 74+00N	1	17	4	72	.1	36	15	268	3.70	4	5	ND	1	28	1	2	2	95	.50	.124	5	70	.65	107	.14	5	1.97	.03	.06	1	4	10	2
C 52E 73+50N	1	21	6	75	.1	39	17	208	3.94	3	5	ND	1	29	1	2	3	103	.50	.130	5	71	.71	131	.13	8	2.11	.03	.07	1	7	5	7
C 52E 73+00N	1	22	2	51	.1	24	11	259	2.94	2	5	ND	1	35	1	2	2	87	.58	.085	6	53	.55	64	.13	4	1.42	.03	.07	1	5	6	2
C 52E 72+50N	1	28	6	57	.1	25	12	294	3.52	2	5	ND	1	37	1	2	2	112	.69	.067	7	56	.65	95	.13	10	1.33	.03	.07	1	172	14	11
C 52E 71+00N	1	8	2	74	.1	17	10	183	2.82	2	5	ND	1	22	1	2	2	80	.36	.115	4	50	.38	73	.13	3	1.39	.03	.04	1	12	5	2
C 52E 70+50N	1	13	8	80	.1	24	12	270	3.38	2	5	ND	1	23	1	2	2	85	.38	.208	4	62	.54	134	.12	7	1.70	.02	.05	1	2	15	7
C 52E 70+00N	1	33	5	66	.1	38	15	231	4.15	2	5	ND	1	34	1	2	2	116	.63	.097	5	80	.89	116	.14	2	1.80	.03	.07	1	11	1	2
C 52E 69+50N	1	18	2	79	.1	36	14	446	3.58	2	5	ND	1	31	1	2	2	101	.53	.092	4	80	.71	99	.14	4	1.63	.03	.06	1	5	6	3
C 52E 69+00N	1	22	5	82	.1	29	13	346	3.67	3	5	ND	1	26	1	2	2	100	.39	.211	4	59	.56	149	.12	2	1.94	.02	.07	1	2	23	10
C 52E 68+50N	1	15	9	89	.1	40	15	270	3.90	3	5	ND	1	28	1	2	3	106	.47	.099	4	75	.67	151	.13	5	1.92	.02	.06	1	2	6	2
C 52E 68+00N	1	37	6	84	.1	40	14	534	3.76	2	5	ND	1	35	1	2	2	96	.70	.091	5	66	.74	151	.12	3	1.96	.02	.12	1	2	23	4
C 52E 67+50N	1	44	8	83	.1	38	15	303	3.83	2	5	ND	1	31	1	2	2	97	.48	.116	6	70	.87	124	.15	8	2.53	.02	.07	1	10	26	2
C 52E 67+00N	1	10	5	56	.1	18	9	171	2.40	2	5	ND	1	20	1	2	2	66	.33	.089	4	41	.38	112	.12	2	1.41	.02	.05	1	2	9	9
C 52E 66+50N	1	33	9	71	.1	35	15	395	3.63	2	5	ND	1	29	1	2	2	101	.47	.105	4	59	.68	118	.13	2	1.98	.03	.07	1	6	22	2
C 52E 66+00N	1	18	3	46	.1	31	12	356	3.05	3	5	ND	1	36	1	2	2	91	.58	.041	5	62	.69	80	.15	2	1.36	.03	.06	1	2	1	2
C 52E 65+50N	1	25	6	64	.2	34	15	337	3.35	2	5	ND	1	36	1	2	2	84	.58	.123	4	66	.82	109	.14	2	1.80	.03	.07	1	5	13	4
C 52E 65+00N	1	31	3	68	.1	46	17	265	3.51	2	5	ND	1	38	1	2	2	91	.66	.087	5	75	1.03	111	.16	9	1.78	.03	.08	1	2	31	2
C 52E 64+50N	1	32	3	61	.1	51	17	319	3.45	2	5	ND	1	33	1	2	4	92	.58	.067	4	95	1.03	100	.16	11	1.49	.04	.08	2	5	24	4
C 52E 64+00N	1	51	6	60	.1	38	14	282	3.40	3	5	ND	1	35	1	2	2	93	.59	.068	4	67	.73	136	.13	5	1.53	.03	.08	1	1	1	2
C 52E 64+00N A	1	72	6	59	.1	44	16	263	3.77	2	5	ND	1	37	1	2	2	107	.68	.063	5	80	1.01	143	.15	4	1.55	.03	.08	1	2	22	2
C 52E 62+00N	1	14	9	89	.1	31	14	600	3.24	2	5	ND	1	34	1	2	2	94	.52	.090	5	53	.79	174	.14	5	1.49	.03	.08	1	1	1	2
C 53E 64+00N	1	42	7	76	.1	41	16	262	3.52	2	5	ND	1	36	1	2	2	90	.62	.078	5	70	.97	78	.16	12	2.00	.03	.09	1	5	20	9
C 53E 63+50N	1	50	8	53	.2	35	15	330	3.68	4	5	ND	1	45	1	2	2	99	.77	.062	6	79	1.10	112	.18	10	1.74	.04	.12	1	23	6	3
C 53E 63+00N	1	38	5	103	.1	31	18	413	3.68	2	5	ND	1	37	1	2	2	100	.60	.137	4	49	.98	204	.18	6	2.02	.03	.12	1	3	10	2
C 53E 62+50N	1	17	4	54	.1	21	10	306	2.55	2	5	ND	1	39	1	2	2	70	.70	.039	5	49	.63	101	.17	14	1.32	.03	.08	1	1	10	2
C 53E 62+00N	1	82	11	62	.1	39	18	502	4.15	4	5	ND	1	51	1	2	2	103	.91	.077	9	81	1.26	113	.18	3	2.08	.04	.25	1	12	12	2
C 54E 74+50N	1	34	2	37	.1	32	12	161	3.66	2	5	ND	1	23	1	2	2	114	.48	.128	5	57	.50	86	.08	3	1.37	.02	.06	1	1	1	3
C 54E 74+00N	1	32	7	49	.1	26	11	179	3.17	2	5	ND	1	28	1	2	2	92	.60	.020	6	51	.48	100	.15	5	1.63	.03	.06	1	4	12	6
C 54E 73+50N	1	16	6	52	.1	27	10	155	3.65	2	5	ND	1	22	1	2	2	111	.38	.065	5	50	.41	76	.10	3	1.54	.02	.06	1	3	4	2
STD C/FA-5X	18	59	42	132	7.1	70	31	1023	4.23	41	22	6	37	49	19	14	23	60	.51	.097	39	56	.87	178	.07	36	1.91	.06	.13	11	101	97	103

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB	Pt** PPB	Pd** PPB
C 54E 73+00N	1	15	11	42	.1	14	7	183	2.50	3	5	ND	1	25	1	2	2	80	.42	.035	5	39	.35	99	.12	2	1.06	.02	.05	2	1	1	4
C 54E 72+50N	1	15	4	53	.1	17	9	258	2.37	2	5	ND	1	24	1	2	2	69	.46	.075	5	35	.37	144	.12	2	1.35	.02	.08	1	1	7	8
C 54E 72+00N	1	22	4	48	.1	21	12	254	2.93	2	5	ND	1	24	1	2	2	88	.42	.071	4	50	.48	77	.13	2	1.55	.02	.05	1	2	1	8
C 54E 71+50N	1	15	9	61	.1	25	11	288	3.02	2	5	ND	1	26	1	2	2	91	.43	.067	4	49	.48	95	.12	2	1.73	.02	.07	1	1	6	3
C 54E 71+00N	1	18	6	99	.1	20	11	217	2.51	2	5	ND	1	25	1	2	2	66	.34	.145	4	46	.40	127	.11	2	1.46	.02	.05	1	1	2	13
C 54E 70+00N	1	26	5	47	.1	23	10	246	2.82	2	5	ND	1	35	1	2	2	85	.65	.072	5	59	.72	68	.13	2	1.49	.02	.07	2	1	10	3
C 54E 69+50N	1	9	8	54	.1	10	8	184	2.26	2	5	ND	1	22	1	2	3	52	.37	.239	3	32	.24	121	.12	19	1.35	.02	.04	1	1	1	7
C 54E 69+00N	1	22	2	56	.1	26	13	330	3.51	3	5	ND	1	36	1	2	2	103	.61	.057	4	74	.71	84	.13	2	1.54	.03	.07	1	33	17	11
C 54E 68+50N	1	25	2	90	.1	28	15	446	4.14	2	5	ND	1	26	1	2	2	107	.46	.102	5	67	.72	112	.16	5	2.52	.02	.06	1	2	8	12
C 54E 68+00N	1	9	4	45	.1	14	8	207	2.63	3	5	ND	1	24	1	2	2	89	.39	.023	4	42	.39	76	.11	2	1.26	.02	.04	2	4	1	2
C 54E 67+50N	1	17	4	73	.1	22	13	344	2.69	3	5	ND	1	28	1	2	2	75	.45	.076	5	58	.56	105	.12	2	1.52	.02	.06	1	3	11	13
C 54E 67+00N	1	25	5	77	.2	26	12	366	3.29	2	5	ND	1	27	1	2	2	89	.44	.164	4	40	.47	208	.12	2	2.19	.02	.06	2	1	12	9
C 54E 66+50N	1	88	4	53	.1	36	18	462	4.19	7	5	ND	2	54	1	2	2	103	.97	.041	11	75	1.20	151	.21	3	2.45	.04	.20	1	4	4	12
C 54E 66+00N	1	46	3	53	.1	33	15	386	3.35	4	5	ND	1	47	1	2	2	92	.86	.073	10	71	.98	98	.17	2	1.71	.04	.13	2	7	8	21
C 54E 65+50N	1	32	6	68	.1	51	20	287	3.70	3	5	ND	1	39	1	2	2	93	.69	.078	6	105	1.31	102	.18	5	2.00	.03	.09	2	25	32	11
C 54E 65+00N	1	52	2	93	.2	74	28	266	4.91	3	5	ND	1	30	1	2	2	117	.57	.126	5	125	1.67	134	.18	4	2.71	.02	.07	1	13	260	19
C 54E 64+50N	1	22	3	94	.1	70	23	341	3.77	2	5	ND	1	22	1	2	2	87	.52	.079	3	109	1.43	139	.17	4	2.27	.02	.10	1	4	31	11
C 54E 64+00N	1	72	4	116	.1	44	22	315	4.32	2	5	ND	1	31	1	2	2	106	.49	.189	5	59	.93	120	.15	2	2.87	.02	.09	2	3	1	9
C 54E 63+50N	1	46	3	53	.1	31	15	244	3.21	4	5	ND	1	38	1	2	2	89	.62	.027	5	59	.87	93	.20	2	1.82	.03	.12	1	1	5	10
C 54E 63+00N	1	37	7	84	.4	35	14	263	3.29	2	5	ND	1	34	1	2	2	79	.52	.089	6	64	.81	98	.15	3	2.26	.03	.13	1	1	2	6
C 56E 76+00N	1	22	3	48	.1	18	8	260	2.38	2	5	ND	1	38	1	2	2	71	.70	.084	10	40	.50	81	.13	3	1.24	.03	.09	1	1	7	8
C 56E 75+50N	1	42	6	34	.1	23	10	284	2.90	4	5	ND	2	44	1	2	2	78	.85	.086	10	47	.66	89	.12	3	1.46	.03	.12	1	12	1	3
C 56E 75+00N	1	16	9	42	.1	14	7	213	1.89	2	5	ND	1	32	1	2	2	56	.61	.047	7	34	.38	69	.11	7	1.04	.03	.06	2	4	5	6
C 56E 73+50N	1	26	2	51	.1	20	12	286	3.04	2	5	ND	1	38	1	2	2	95	.74	.053	10	51	.62	67	.16	24	1.38	.04	.07	2	2	8	9
C 56E 73+00N	1	43	2	45	.1	26	14	419	3.81	3	5	ND	1	36	1	2	2	116	.76	.076	7	59	.70	68	.11	27	1.31	.03	.10	1	2	7	15
C 56E 72+50N	1	25	8	69	.1	19	8	252	2.09	3	5	ND	1	24	1	2	2	60	.41	.034	7	33	.41	65	.13	26	1.31	.03	.06	1	3	8	4
C 56E 72+00N	1	21	4	57	.1	20	9	222	2.60	2	5	ND	1	25	1	2	2	82	.46	.028	7	43	.44	54	.12	2	1.26	.02	.06	1	1	1	6
C 56E 71+50N	1	13	2	57	.1	16	8	198	2.15	2	5	ND	1	21	1	2	2	63	.38	.038	5	37	.36	65	.10	2	1.18	.02	.05	1	1	6	9
C 56E 71+00N	1	22	8	67	.2	23	10	282	2.91	2	5	ND	1	28	1	2	2	81	.46	.122	6	44	.48	103	.10	2	1.53	.02	.07	1	11	4	10
C 56E 70+50N	1	53	4	42	.1	29	16	393	3.75	3	5	ND	1	44	1	2	2	107	.88	.049	7	66	.86	85	.14	4	1.71	.03	.14	2	1	5	11
C 56E 69+50N	1	23	8	60	.1	19	12	262	3.05	2	5	ND	1	37	1	2	2	85	.63	.122	7	54	.54	106	.13	8	1.41	.02	.07	1	4	1	2
C 56E 69+00N	1	19	5	55	.1	22	12	205	2.93	2	5	ND	1	28	1	2	2	77	.50	.131	6	50	.52	68	.12	2	1.58	.02	.07	1	3	1	5
C 56E 67+50N	1	28	4	60	.1	22	11	237	2.92	4	5	ND	1	37	1	2	2	83	.64	.057	9	55	.72	73	.16	4	1.54	.03	.06	2	4	5	9
C 56E 67+00N	1	22	7	46	.1	20	11	496	2.75	2	5	ND	1	37	1	2	2	80	.58	.038	5	49	.59	87	.12	2	1.29	.02	.08	1	9	5	9
C 56E 66+50N	1	31	2	36	.1	25	12	281	3.20	4	5	ND	1	40	1	2	2	87	.70	.039	6	70	.69	55	.14	3	1.28	.02	.10	2	6	3	8
C 56E 64+50N	1	27	8	113	.1	27	14	287	3.55	3	5	ND	1	28	1	2	2	81	.52	.199	3	69	.65	96	.12	2	2.18	.02	.06	1	3	1	13
C 56E 64+00N	1	10	5	66	.1	16	9	228	1.92	2	5	ND	1	22	1	2	2	49	.33	.129	3	37	.36	103	.10	3	1.12	.02	.05	2	1	10	11
STD C/FA-5X	18	58	39	132	5.9	67	31	1016	4.22	44	24	7	37	48	19	14	19	59	.49	.095	39	57	.84	176	.07	34	2.07	.06	.12	13	96	98	95

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Soil -80 Mesh AU** PT** PD** BY FIRE ASSAY AND ANALYSIS BY ICP/GRAPHITE FURNACE.

DATE RECEIVED: AUG 24 1989 DATE REPORT MAILED: Sept 4/89. SIGNED BY. C. Leong ..D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB	Pt** PPB	Pd** PPB
C 46E 81+00N	1	16	3	39	.1	35	13	299	3.94	2	5	ND	1	28	1	2	4	128	.52	.035	3	115	.57	54	.11	4	.32	.02	.05	2	10	1	3
C 46E 80+50N	1	23	2	91	.2	42	16	271	4.49	3	5	ND	2	30	1	2	2	131	.41	.146	3	104	.59	134	.10	2	1.53	.02	.06	1	6	8	2
C 46E 80+00N	1	34	4	124	.1	43	17	1013	3.61	4	5	ND	1	151	1	2	2	93	1.94	.142	5	96	.87	405	.12	15	1.52	.05	.21	1	1	9	3
C 46E 79+50N	1	29	16	70	.1	19	11	212	3.23	4	5	ND	3	50	1	2	2	73	.42	.110	4	35	.55	112	.10	4	1.38	.01	.06	1	17	4	7
C 46E 79+00N	1	46	3	57	.2	39	20	529	4.82	4	5	ND	3	45	1	2	2	150	.81	.048	6	106	1.15	106	.17	2	1.58	.04	.10	1	6	13	2
C 46E 78+50N	1	34	3	48	.2	32	14	233	3.26	5	5	ND	2	36	1	2	2	100	.67	.069	7	72	.85	104	.15	3	1.46	.03	.11	1	3	6	10
C 46E 78+00N	1	24	3	46	.1	26	11	266	2.48	2	5	ND	2	28	1	2	3	73	.48	.034	7	60	.62	68	.13	4	1.05	.02	.05	1	3	1	9
C 46E 77+50N	1	14	5	61	.2	13	7	699	1.89	2	5	ND	1	22	1	2	2	49	.36	.061	4	42	.31	85	.11	5	.96	.02	.06	1	7	2	12
C 46E 77+00N	1	21	4	62	.3	25	13	201	3.18	2	5	ND	3	33	1	2	2	81	.58	.117	5	71	.69	121	.13	4	1.54	.02	.08	1	1	27	4
C 48E 81+00N	1	34	2	52	.1	42	16	290	3.66	3	5	ND	1	43	1	2	2	101	.74	.059	5	114	1.11	121	.17	8	1.52	.03	.13	1	4	11	2
C 48E 80+50N	1	31	3	50	.1	47	17	223	4.21	6	5	ND	2	36	1	2	2	130	.63	.050	4	122	.94	92	.15	3	1.44	.03	.08	1	4	11	15
C 48E 80+00N	1	48	2	37	.1	43	16	352	3.98	7	5	ND	3	44	1	2	5	122	.99	.076	7	100	1.19	80	.16	3	1.58	.04	.12	2	6	14	5
C 48E 79+50N	1	19	2	58	.1	33	13	327	3.42	2	5	ND	1	31	1	2	2	100	.51	.100	4	99	.60	104	.12	2	1.27	.03	.07	1	5	5	5
C 48E 79+00N	1	48	2	53	.1	55	18	345	4.30	5	5	ND	1	40	1	2	2	128	.78	.072	5	129	1.14	93	.14	4	1.43	.03	.11	1	8	6	12
C 48E 78+50N	1	38	2	45	.1	41	14	264	3.41	5	5	ND	1	39	1	2	2	96	.76	.080	5	101	1.06	96	.13	5	1.43	.03	.07	2	2	8	6
C 48E 78+00N	1	34	4	42	.1	31	13	260	3.10	2	5	ND	1	37	1	2	3	92	.69	.049	6	86	.38	67	.15	5	1.29	.03	.07	1	1	16	6
C 48E 77+50N	1	47	2	119	.1	57	32	234	8.17	10	5	ND	2	20	1	2	2	335	.45	.088	2	42	1.63	119	.27	2	2.00	.02	.07	1	4	1	20
C 48E 77+00N	1	13	2	49	.1	16	8	229	1.31	2	5	ND	1	17	1	2	3	54	.30	.052	3	43	.28	73	.10	2	.72	.02	.05	1	4	2	3
C 48E 76+50N	1	22	7	76	.3	33	13	349	3.01	3	5	ND	3	27	1	3	2	80	.48	.072	5	67	.62	148	.13	5	1.61	.02	.07	1	3	11	6
C 48E 76+00N	1	17	3	64	.1	26	11	271	2.74	3	5	ND	1	27	1	2	2	30	.43	.064	4	59	.49	92	.13	2	1.19	.02	.07	1	1	4	6
C 48E 46+00N	1	64	3	99	.3	31	21	249	4.57	7	5	ND	2	43	1	2	2	154	.66	.165	4	34	1.15	127	.19	9	2.35	.06	.08	1	7	1	21
C 48E 45+50N	1	25	4	90	.3	23	15	636	2.66	3	5	ND	1	22	1	2	2	64	.35	.101	4	55	.52	134	.12	2	1.57	.02	.04	1	2	4	9
C 48E 45+00N	1	23	6	74	.2	23	13	195	3.54	5	5	ND	2	24	1	2	2	97	.34	.086	4	44	.36	75	.14	2	1.82	.02	.04	1	4	1	14
C 48E 44+50N	1	39	8	64	.3	19	15	402	4.31	4	5	ND	2	30	1	2	2	137	.38	.114	3	45	.43	85	.16	2	1.21	.02	.05	1	2	2	7
C 48E 44+00N	1	79	2	118	.4	47	26	333	5.25	7	5	ND	1	41	1	2	2	139	.58	.191	3	115	1.04	132	.18	2	2.50	.03	.06	1	4	1	12
C 48E 43+50N	1	59	2	115	.1	38	21	351	4.02	5	5	ND	1	34	1	2	2	108	.59	.113	3	99	1.32	175	.22	4	2.12	.02	.10	1	2	1	7
C 48E 43+00N	1	40	5	80	.1	43	19	322	3.27	4	5	ND	1	21	1	2	2	81	.57	.070	3	145	1.58	135	.19	2	1.73	.02	.10	1	4	1	2
C 48E 42+50N	1	35	5	65	.2	33	12	133	2.67	3	5	ND	2	22	1	2	2	64	.41	.111	3	97	.74	92	.16	5	1.34	.02	.05	1	3	6	7
C 48E 42+00N	1	132	2	117	.2	81	34	390	5.38	6	5	ND	1	17	1	2	2	173	.44	.040	2	299	2.65	209	.25	2	2.51	.02	.16	1	4	2	11
C 48E 41+50N	1	56	2	127	.1	48	21	300	4.09	3	5	ND	1	24	1	2	2	96	.48	.204	5	93	1.04	205	.16	12	2.43	.02	.06	1	3	5	4
C 48E 41+00N	1	89	3	157	.2	120	38	324	4.81	2	5	ND	1	18	1	2	2	97	.43	.100	2	320	2.88	102	.18	2	2.60	.02	.04	1	5	3	10
C 48E 40+50N	1	62	4	98	.1	28	13	184	4.22	3	5	ND	1	27	1	2	2	137	.49	.040	3	65	.73	52	.18	6	1.11	.04	.05	1	4	2	9
C 48E 40+00N	1	182	6	72	.1	28	24	282	4.35	4	5	ND	1	34	1	2	2	101	.40	.145	3	38	.47	120	.11	4	1.08	.03	.06	1	1	3	4
C 48E 39+50N	1	65	4	136	.1	22	13	144	3.13	2	5	ND	1	25	1	2	2	32	.40	.208	4	49	.50	131	.14	5	1.14	.02	.06	1	3	7	9
C 48E 39+00N	1	25	2	44	.1	16	8	154	1.51	2	5	ND	1	16	1	2	2	37	.25	.035	2	26	.33	49	.08	3	1.14	.02	.03	1	1	1	8
C 48E 38+50N	1	95	2	52	.1	29	17	503	3.58	14	5	ND	2	45	1	2	2	100	.83	.056	5	49	.80	101	.14	5	1.99	.03	.06	1	4	2	2

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB	Pt** PPB	Pd** PPB
C 48E 38+00N	1	25	10	94	.1	15	9	132	3.27	5	5	ND	1	30	1	2	2	71	.37	.246	3	47	.36	144	.17	5	1.40	.02	.05	1	1	1	4
C 48E 37+50N	1	42	6	123	.1	22	15	359	3.51	2	5	ND	1	37	1	2	2	103	.60	.126	5	42	.60	115	.15	3	1.84	.02	.06	1	1	1	4
C 48E 37+00N	1	48	2	114	.1	24	13	302	3.15	7	5	ND	1	51	1	2	2	90	.59	.148	4	42	.55	93	.12	5	1.84	.02	.06	1	1	1	10
C 48E 36+50N	1	38	9	122	.3	16	13	344	2.68	6	5	ND	1	24	1	2	2	53	.43	.117	5	32	.44	87	.15	3	1.92	.01	.06	1	3	1	2
C 48E 36+00N	1	58	5	102	.1	21	14	499	2.75	3	5	ND	1	37	1	2	2	66	.47	.073	4	31	.44	97	.13	5	1.95	.02	.05	1	1	1	3
C 48E 35+50N	1	76	5	91	.1	24	15	1019	2.97	5	5	ND	2	49	1	2	2	74	.69	.073	6	40	.66	123	.13	5	1.92	.02	.08	1	1	1	4
C 50E 80+50N	1	61	7	61	.1	39	17	561	5.93	11	5	ND	4	45	1	2	2	96	.70	.060	12	67	.94	216	.15	2	3.05	.02	.14	1	5	1	3
C 50E 80+00N	1	34	2	47	.1	37	18	299	4.09	6	5	ND	1	49	1	2	2	125	.91	.058	6	121	1.07	95	.17	6	1.43	.04	.10	1	8	7	7
C 50E 79+50N	1	26	6	75	.3	26	12	219	3.01	5	5	ND	2	32	1	3	2	81	.59	.096	7	68	.65	102	.13	4	1.40	.02	.07	1	1	26	8
C 50E 79+00N	1	13	8	41	.1	19	10	146	3.39	2	5	ND	1	30	1	2	2	93	.52	.079	6	54	.51	56	.14	2	1.33	.03	.05	1	4	1	4
C 50E 78+50N	1	16	6	87	.3	18	8	331	2.14	4	5	ND	2	22	1	2	2	55	.38	.072	6	43	.37	72	.12	11	1.25	.02	.05	1	1	1	6
C 50E 78+00N	1	72	6	117	.1	126	27	477	4.23	2	5	ND	1	33	1	2	2	92	.64	.094	5	199	1.44	253	.15	10	1.55	.03	.07	1	9	8	14
C 50E 77+50N	1	32	5	56	.1	37	16	348	3.42	4	5	ND	1	40	1	2	2	101	.82	.050	7	86	1.09	86	.17	6	1.48	.03	.09	1	4	4	2
C 50E 77+00N	1	36	5	56	.2	32	14	249	3.46	5	5	ND	2	34	1	2	2	104	.53	.042	6	83	.75	77	.15	4	1.35	.03	.06	1	5	4	2
C 50E 76+50N	1	38	3	93	.2	55	19	251	3.74	4	5	ND	2	27	1	2	3	104	.50	.056	7	87	.37	131	.16	5	1.81	.02	.06	1	6	2	8
C 50E 59+50N	1	34	6	82	.1	30	14	130	3.55	2	5	ND	1	36	1	2	2	94	.61	.138	5	54	.64	100	.16	3	2.03	.03	.07	1	5	4	3
C 50E 59+00N	1	22	2	52	.1	18	10	354	2.73	2	5	ND	1	27	1	2	2	75	.41	.092	5	49	.51	54	.15	8	1.16	.02	.05	1	2	2	4
C 50E 58+50N	1	17	7	56	.4	16	10	195	2.42	5	5	ND	3	22	1	3	2	70	.55	.097	3	36	.41	52	.13	3	1.08	.02	.04	1	1	1	2
C 50E 58+00N	1	28	8	90	.3	30	14	223	3.83	5	5	ND	2	33	1	2	2	90	.55	.094	6	61	.72	95	.15	11	1.87	.03	.07	1	4	9	12
C 50E 56+50N	1	17	7	55	.2	13	8	130	2.36	2	5	ND	2	22	1	2	2	59	.27	.106	4	29	.36	77	.14	3	1.08	.02	.05	1	1	1	3
C 50E 56+00N	1	46	4	96	.3	20	13	550	3.40	6	5	ND	1	32	1	2	2	106	.53	.117	4	38	.65	121	.16	7	1.66	.04	.07	1	4	6	13
C 50E 55+50N	1	28	4	74	.2	19	12	286	3.69	2	5	ND	1	37	1	2	2	116	.54	.113	3	44	.63	127	.15	2	1.61	.04	.05	1	1	21	2
C 50E 54+50N	1	101	2	110	.1	43	22	192	4.76	4	5	ND	1	36	1	2	2	147	.58	.100	4	66	.90	122	.18	3	2.27	.03	.06	1	1	29	24
C 50E 54+00N	1	52	2	35	.1	30	17	461	5.00	2	5	ND	2	39	1	2	2	175	.66	.053	5	77	.97	110	.18	10	1.72	.05	.06	1	3	17	9
C 50E 53+50N	1	64	2	109	.1	35	28	377	5.74	2	5	ND	1	57	1	2	2	214	.93	.081	4	89	1.25	96	.18	7	1.84	.06	.07	1	6	20	2
C 50E 53+00N	1	69	11	70	.3	37	25	170	5.51	7	5	ND	3	37	1	3	2	173	.56	.129	4	83	.81	185	.17	6	2.35	.04	.06	1	4	6	4
C 50E 52+50N	1	53	5	70	.1	33	22	152	5.03	4	5	ND	1	34	1	2	2	151	.49	.152	3	76	.67	183	.16	5	2.20	.03	.05	1	6	5	4
C 50E 52+00N	1	46	5	39	.1	20	14	266	2.29	2	5	ND	1	33	1	2	2	73	.35	.027	3	44	.47	66	.12	2	.90	.03	.03	1	14	4	2
C 50E 51+50N	1	24	8	104	.3	32	14	306	4.06	7	5	ND	2	35	1	2	2	125	.59	.236	4	80	.79	170	.19	6	1.66	.04	.06	1	1	5	2
C 50E 51+00N	1	42	5	57	.1	23	17	322	3.12	2	5	ND	1	40	1	2	2	109	.67	.044	4	58	.89	57	.16	4	1.31	.05	.05	1	2	5	34
C 50E 50+50N	1	51	4	81	.2	39	18	202	4.30	3	5	ND	2	40	1	2	2	134	.67	.111	5	65	.98	93	.17	4	2.03	.05	.06	1	3	2	4
C 50E 50+00N	1	66	4	65	.2	36	17	206	3.45	2	5	ND	2	39	1	2	2	115	.53	.037	4	53	.87	88	.16	2	1.53	.05	.06	1	25	1	11
C 51E 50+00N	1	50	4	67	.3	32	18	257	4.21	2	5	ND	2	51	1	2	2	131	.90	.129	6	66	1.01	111	.16	7	1.82	.04	.10	1	3	19	2
C 51E 59+50N	1	28	5	63	.1	24	12	250	3.14	2	5	ND	1	37	1	2	2	94	.63	.064	4	54	.62	137	.14	3	1.43	.02	.08	1	1	6	2
C 51E 59+00N	1	26	5	72	.1	27	12	252	2.92	5	5	ND	1	26	1	2	2	79	.43	.094	5	48	.60	92	.14	9	1.66	.02	.06	1	1	2	2
C 51E 58+50N	1	82	7	93	.2	37	17	648	4.53	8	5	ND	2	40	1	2	2	121	.63	.140	6	69	1.06	140	.16	3	2.73	.03	.11	1	2	8	6
STD C/FA-5Z	19	62	39	132	7.2	67	31	956	4.13	38	17	7	38	49	18	20	20	59	.50	.087	39	56	.93	178	.07	35	1.95	.06	.14	12	102	98	96

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB	Pt** PPB	Pd** PPB
C 51E 59+00N	1	44	13	103	.2	15	9	394	3.25	6	5	ND	2	36	1	2	2	81	.30	.212	3	20	.43	82	.11	2	3.07	.02	.05	2	2	2	17
C 51E 57+50N	1	56	7	130	.1	36	18	497	3.94	2	5	ND	1	41	1	2	2	97	.73	.133	4	55	.75	143	.13	4	2.57	.02	.10	1	3	1	5
C 51E 57+00N	1	59	6	83	.4	39	19	217	4.91	8	5	ND	2	37	1	2	2	159	.66	.120	4	73	.91	132	.18	2	2.40	.04	.07	1	2	12	4
C 51E 56+50N	1	27	7	51	.3	16	12	176	4.17	3	5	ND	1	32	1	2	2	158	.54	.078	3	44	.51	77	.16	2	1.16	.04	.06	1	1	17	12
C 51E 56+00N	1	94	7	54	.3	34	18	303	4.39	8	5	ND	3	38	1	2	2	136	.65	.060	6	59	1.23	110	.18	2	2.37	.04	.08	1	7	12	13
C 51E 55+50N	1	76	7	101	.2	47	19	283	4.97	7	5	ND	2	39	1	2	2	130	.60	.196	6	83	1.19	108	.16	2	3.41	.04	.08	1	5	2	13
C 51E 55+00N	1	58	2	74	.1	38	25	275	6.47	5	5	ND	1	47	1	2	3	227	.84	.091	3	61	1.54	94	.20	2	2.14	.06	.10	1	6	20	34
C 51E 54+50N	1	89	7	53	.4	42	21	436	5.66	14	5	ND	3	55	1	2	2	169	1.15	.075	5	88	1.50	154	.19	2	2.72	.04	.14	1	8	33	111
C 51E 54+00N	1	133	3	49	.5	40	20	422	4.60	7	5	ND	2	62	1	2	2	147	1.35	.037	6	78	1.15	144	.14	5	2.22	.03	.08	1	5	18	11
C 51E 53+50N	1	57	8	44	.1	29	23	184	6.62	2	5	ND	1	48	1	2	2	256	.76	.021	3	88	1.94	124	.22	2	1.56	.06	.07	1	8	154	23
C 51E 52+50N	1	52	3	107	.1	20	19	428	4.13	5	5	ND	1	34	1	2	2	136	.55	.195	3	44	.66	223	.13	2	1.29	.03	.05	1	4	13	2
C 51E 52+00N	1	78	9	85	.2	35	19	191	5.19	2	5	ND	2	23	1	2	2	162	.36	.191	3	73	.69	208	.15	2	1.98	.03	.05	1	1	7	16
C 51E 51+50N	1	90	6	93	.3	44	25	309	6.12	7	5	ND	1	29	1	2	2	219	.51	.154	2	87	.92	189	.16	2	1.66	.04	.06	1	2	112	14
C 51E 51+00N	1	46	9	70	.2	32	20	277	4.34	4	5	ND	1	27	1	2	3	147	.44	.096	3	77	.67	111	.14	5	1.29	.03	.05	1	4	3	7
C 51E 50+50N	1	113	7	49	.1	27	20	352	4.18	8	5	ND	2	38	1	2	2	116	.65	.046	8	71	1.31	104	.17	3	2.17	.03	.13	1	5	1	9
C 51E 50+00N	1	83	5	61	.3	32	18	237	4.64	7	5	ND	2	41	1	2	3	162	.76	.071	4	46	1.16	97	.15	2	1.67	.06	.08	1	15	6	82
C 52E 55+75N	1	28	3	40	.3	53	19	190	4.38	4	5	ND	2	53	1	2	2	139	.84	.037	3	146	1.17	98	.19	2	1.82	.05	.06	1	1	13	12
C 52E 55+50N	1	44	4	60	.1	61	22	270	4.50	2	5	ND	1	47	1	2	2	133	.87	.055	3	123	1.55	160	.18	3	2.23	.06	.08	2	11	21	19
C 52E 55+00N	1	44	7	86	.6	36	24	240	5.10	8	7	ND	3	34	1	5	3	166	.55	.092	4	74	1.10	132	.19	3	2.13	.03	.06	1	7	25	30
C 52E 54+50N	1	38	6	47	.1	26	15	155	3.35	4	5	ND	2	25	1	2	2	126	.44	.043	4	58	.71	85	.16	4	1.52	.03	.05	1	2	2	6
C 52E 54+00N	1	44	8	94	.3	43	27	299	5.11	2	5	ND	1	21	1	2	2	167	.44	.136	3	62	1.18	120	.18	6	1.82	.03	.05	1	1	124	14
C 52E 53+50N	1	57	7	88	.3	17	22	387	4.67	8	5	ND	2	32	1	2	2	152	.66	.305	3	35	.84	320	.17	2	1.72	.05	.08	1	3	1	2
C 52E 53+00N	1	77	7	60	.3	17	16	240	4.03	4	5	ND	1	24	1	3	2	126	.45	.210	3	33	.63	272	.14	4	1.41	.03	.05	1	1	10	2
C 52E 52+50N	1	60	5	97	.3	32	22	208	5.81	5	5	ND	2	26	1	3	2	172	.49	.261	3	68	.92	240	.16	2	1.97	.03	.07	1	3	8	2
C 52E 52+00N	1	124	9	37	.1	32	20	291	5.99	2	5	ND	2	47	1	2	5	224	.92	.093	3	61	1.31	88	.14	2	1.35	.06	.10	5	5	34	3
C 52E 51+50N	1	23	10	43	.3	13	11	170	3.92	4	5	ND	2	34	1	2	2	169	.54	.028	2	31	.62	76	.21	3	.70	.06	.05	1	2	2	25
C 52E 51+00N	1	119	2	43	.1	27	18	180	4.91	2	5	ND	1	33	1	2	2	186	.64	.021	2	45	1.42	53	.17	4	1.43	.05	.06	1	18	6	16
C 52E 50+50N	1	409	2	77	.1	34	44	658	9.36	21	5	ND	1	31	1	7	3	287	.52	.058	6	27	2.43	441	.10	2	2.57	.03	.21	1	75	3	392
C 52E 50+00N	1	125	4	47	.2	31	21	290	5.16	7	5	ND	1	55	1	2	2	200	.94	.061	4	38	1.58	127	.21	2	1.62	.08	.12	2	6	12	39
C 52E 49+50N	1	65	5	51	.1	30	15	244	3.79	3	5	ND	2	36	1	2	2	124	.60	.050	7	47	1.03	63	.15	7	1.47	.04	.06	1	16	5	3
C 52E 49+00N	1	219	2	46	.3	40	21	304	5.46	6	5	ND	2	53	1	2	2	190	.96	.094	5	74	1.67	75	.15	4	1.56	.06	.09	1	15	1	23
C 52E 48+50N	1	124	9	96	.5	33	19	215	6.00	3	5	ND	2	40	1	2	2	194	.59	.184	3	76	.96	128	.19	2	2.59	.06	.06	1	18	1	11
C 52E 48+00N	1	395	2	45	.1	24	23	316	5.54	5	5	ND	1	78	1	2	2	224	1.32	.136	4	50	1.81	101	.18	3	1.68	.10	.08	1	13	1	30
C 52E 47+50N	1	58	8	67	.2	17	13	169	3.75	4	5	ND	1	37	1	2	2	123	.47	.114	3	47	.62	79	.16	4	1.31	.04	.05	1	10	1	4
C 52E 47+00N	1	55	7	82	.3	41	18	240	4.41	5	5	ND	3	32	1	2	2	111	.50	.131	5	74	.88	123	.14	5	2.22	.02	.07	1	2	7	4
C 52E 46+50N	1	85	6	59	.2	52	20	308	4.65	3	5	ND	1	39	1	2	2	126	.70	.110	5	107	1.31	94	.15	2	1.99	.03	.09	1	13	2	9
STD C/3A-5X	18	61	39	132	6.6	69	30	999	4.13	38	17	7	38	49	18	14	22	59	.50	.087	39	52	.92	181	.07	36	2.00	.06	.14	13	100	97	101

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB	Pt** PPB	Pd** PPB
C 52E 46+00N	1	18	10	79	.2	24	12	176	3.16	2	5	ND	2	23	1	2	2	76	.35	.112	6	60	.55	81	.14	3	1.53	.02	.05	1	1	2	2
C 52E 45+50N	1	17	7	74	.2	25	19	535	4.15	2	5	ND	1	30	1	2	2	109	.43	.193	4	65	.68	106	.14	2	1.59	.03	.06	1	1	4	2
C 52E 44+50N	1	24	6	69	.1	33	18	201	5.19	2	5	ND	1	25	1	2	2	163	.45	.058	3	98	.56	110	.16	2	1.33	.03	.07	1	5	5	3
C 52E 44+00N	1	32	5	95	.3	48	20	221	4.90	4	5	ND	1	41	1	2	2	147	.78	.097	6	119	1.20	152	.21	3	2.04	.06	.10	1	9	18	9
C 52E 43+50N	1	35	5	113	.4	51	31	253	9.98	10	5	ND	2	25	1	2	2	389	.50	.036	2	96	.80	64	.27	7	1.76	.04	.05	1	1	8	2
C 52E 43+00N	1	20	6	70	.1	23	15	196	4.43	3	5	ND	2	27	1	2	2	171	.50	.069	2	43	.56	67	.19	7	.38	.05	.05	1	1	2	6
C 52E 42+50N	1	29	5	82	.1	34	18	299	5.57	3	5	ND	1	36	1	2	2	205	.70	.063	2	72	.79	113	.22	5	1.21	.05	.06	1	29	9	4
C 52E 42+00N	1	22	5	155	.1	78	33	232	5.76	2	5	ND	1	29	1	2	2	150	.60	.167	2	124	1.19	118	.17	6	1.89	.04	.06	1	1	12	2
C 52E 41+50N	1	10	8	85	.1	27	12	382	1.98	2	5	ND	1	16	1	2	2	45	.32	.063	3	52	.48	97	.11	2	1.06	.02	.05	1	1	6	2
C 52E 41+00N	2	24	9	92	.2	42	21	202	4.19	3	5	ND	1	28	1	2	2	125	.50	.027	4	61	.99	102	.20	4	1.89	.03	.07	1	3	6	4
C 52E 39+00N	1	167	3	61	.2	60	28	376	5.00	4	5	ND	1	58	1	2	2	147	1.23	.066	5	117	1.89	104	.27	6	2.74	.03	.09	1	6	1	7
C 52E 37+50N	1	29	9	117	.1	23	14	375	2.91	2	5	ND	1	23	1	2	2	74	.42	.104	4	50	.62	174	.16	5	1.60	.01	.09	1	1	1	2
C 52E 37+00N	2	183	10	116	.2	35	21	451	5.01	12	5	ND	1	66	1	2	2	113	1.37	.082	4	66	.94	92	.13	6	2.28	.01	.07	1	3	1	4
C 52E 36+50N	1	42	5	155	.2	20	14	517	2.72	5	5	ND	1	31	1	2	2	62	.49	.173	4	42	.48	155	.12	4	1.99	.02	.07	1	1	1	2
C 52E 36+00N	1	73	6	167	.3	32	19	477	3.40	18	5	ND	2	48	1	2	2	88	.72	.043	7	61	.83	119	.19	5	2.39	.02	.09	1	7	1	9
C 52E 35+50N	1	33	9	136	.2	29	13	369	2.76	5	5	ND	2	37	1	2	2	64	.58	.098	7	44	.64	152	.15	8	2.17	.02	.11	1	2	1	2
C 52E 35+00N	1	33	7	75	.2	35	17	386	3.55	4	5	ND	1	37	1	2	2	104	.35	.071	5	69	.89	122	.15	2	1.75	.03	.09	1	51	6	8
C 52E 34+50N	1	226	3	59	.1	63	24	378	4.84	5	5	ND	1	49	1	2	2	158	.35	.114	5	132	1.53	142	.16	2	1.69	.04	.16	1	3	10	5
C 52E 34+00N	1	527	2	62	.3	26	29	459	6.59	6	5	ND	1	55	1	2	2	251	.89	.075	3	65	2.05	175	.20	6	2.09	.07	.08	1	27	13	8
C 52E 33+50N	1	204	3	61	.5	29	21	237	4.90	4	5	ND	1	80	1	3	2	155	.90	.144	3	90	1.35	190	.19	7	2.21	.06	.06	1	2	23	5
C 52E 33+00N	1	54	6	85	.1	41	24	247	4.73	6	5	ND	1	42	1	2	2	125	.62	.172	4	83	1.07	125	.15	2	2.38	.03	.05	1	1	23	2
C 52E 32+50N	1	44	2	69	.1	34	18	446	4.33	3	5	ND	1	38	1	2	2	118	.56	.072	6	82	.93	92	.16	5	1.69	.03	.07	1	1	5	5
C 52E 32+00N	1	62	2	89	.1	56	27	421	6.49	4	5	ND	1	59	1	2	2	201	.87	.117	3	135	1.31	145	.19	2	1.89	.06	.07	1	1	17	20
C 54E 52+50N	1	39	5	113	.2	35	19	419	3.54	3	5	ND	2	36	1	3	2	95	.58	.113	5	70	.96	169	.16	3	1.85	.03	.08	1	1	11	13
C 54E 52+00N	1	22	8	96	.3	27	15	262	3.36	4	5	ND	2	29	1	2	2	93	.46	.091	5	50	.68	92	.15	4	1.93	.03	.06	1	2	2	8
C 54E 51+50N	1	120	4	42	.5	49	23	215	4.44	3	5	ND	1	69	1	4	2	139	.36	.008	4	98	1.40	186	.22	7	2.35	.05	.08	1	5	7	22
C 54E 50+50N	1	369	9	37	.4	47	24	185	5.12	4	5	ND	1	66	1	2	2	226	.82	.019	2	49	1.61	147	.26	2	1.99	.05	.04	1	16	13	20
C 54E 50+00N	1	47	7	89	.5	30	15	245	3.00	2	5	ND	3	29	1	4	2	90	.42	.120	5	49	.66	105	.13	2	1.71	.02	.07	1	1	6	4
C 54E 49+50N	1	35	6	69	.1	23	13	271	3.00	2	5	ND	1	28	1	2	2	88	.38	.121	3	57	.51	136	.15	2	1.19	.03	.05	1	3	5	9
C 54E 49+00N	1	72	5	82	.3	26	24	220	4.23	5	5	ND	1	42	1	2	2	118	.58	.194	4	82	1.17	140	.15	5	1.89	.03	.06	1	1	8	7
C 54E 48+50N	1	92	8	127	.1	31	16	503	3.52	3	5	ND	1	31	1	2	3	89	.43	.207	5	62	.68	179	.14	3	2.11	.02	.06	1	1	6	2
C 54E 48+00N	1	85	3	76	.4	47	23	412	4.74	3	6	ND	3	37	1	3	2	139	.62	.100	5	97	1.07	128	.15	6	1.78	.03	.08	1	9	8	4
C 54E 47+50N	1	142	3	57	.1	58	27	333	5.17	5	5	ND	2	44	1	2	2	149	.76	.084	6	114	1.40	109	.16	2	1.82	.03	.13	1	1	8	6
C 55E 51+50N	1	67	4	85	.2	46	23	341	4.81	7	5	ND	1	54	1	3	2	147	.83	.115	4	92	1.30	124	.17	5	2.07	.04	.07	1	1	8	6
C 55E 51+00N	1	92	2	67	.2	41	21	327	4.35	8	5	ND	1	50-	1	2	2	133	.86	.094	5	88	1.29	113	.17	4	1.94	.04	.11	1	8	4	11
C 55E 47+50N	1	78	5	92	.5	46	24	350	4.64	4	5	ND	3	40	1	3	2	127	.71	.124	6	100	1.18	141	.16	5	2.04	.03	.11	1	1	6	4
STD C/FA-5X	19	60	39	132	6.7	66	31	1015	4.14	38	22	7	38	49	19	15	22	60	.50	.088	39	52	.92	174	.07	35	1.98	.06	.13	12	96	102	103

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB	Pt** PPB	Pd** PPB
C 56E 57+70N	1	21	5	25	.1	24	13	140	2.71	2	5	ND	1	33	1	2	2	84	.58	.004	5	49	.62	35	.19	2	1.45	.02	.07	2	7	12	3
C 56E 57+50N	1	13	2	32	.1	15	9	139	2.40	2	5	ND	1	38	1	2	2	68	.62	.035	5	44	.48	68	.17	4	1.18	.02	.06	1	15	7	5
C 56E 57+00N	1	17	7	54	.1	24	13	237	2.77	2	5	ND	1	35	1	3	2	74	.63	.023	6	51	.64	84	.19	6	1.58	.02	.08	1	10	14	6
C 56E 55+50N	1	35	7	74	.2	30	16	206	3.54	3	5	ND	2	36	1	2	2	87	.63	.100	7	60	.87	109	.17	5	2.21	.02	.14	1	9	22	6
C 56E 55+00N	1	27	6	50	.1	18	12	281	2.98	3	5	ND	1	40	1	2	2	92	.52	.061	4	41	.63	92	.15	4	1.28	.02	.07	1	8	1	2
C 56E 53+50N	1	103	7	60	.1	35	18	495	3.63	7	5	ND	1	48	1	2	2	96	.98	.043	7	68	1.24	104	.20	6	2.20	.03	.19	1	12	15	9
C 56E 53+00N	1	37	8	72	.1	24	13	175	2.90	5	5	ND	1	35	1	2	2	79	.63	.040	5	54	.74	79	.16	6	1.41	.02	.07	1	10	3	6
C 56E 52+50N	1	180	7	70	.4	61	21	701	4.70	9	5	ND	2	55	1	2	2	106	1.34	.055	10	102	1.57	172	.19	7	3.19	.03	.22	1	7	9	9
C 56E 52+00N	1	112	5	57	.3	42	15	326	3.64	6	5	ND	1	48	1	2	2	89	1.22	.054	8	81	1.10	121	.13	9	2.30	.02	.16	1	11	11	5
C 56E 51+00N	1	58	9	83	.2	37	19	317	3.76	7	5	ND	2	45	1	2	2	98	.90	.049	7	78	1.06	103	.17	7	2.08	.03	.12	1	3	16	2
C 56E 49+50N	1	90	7	36	.2	18	14	171	3.35	2	5	ND	1	67	1	3	2	115	1.02	.015	4	47	.71	131	.12	5	1.59	.05	.09	1	10	12	7
C 56E 49+00N	1	192	6	50	.1	37	20	275	4.00	4	5	ND	1	65	1	2	2	93	1.16	.018	6	93	1.38	166	.13	7	2.33	.03	.11	1	6	9	7
C 56E 48+00N	1	55	2	102	.1	56	24	253	5.58	6	5	ND	1	29	1	2	2	155	.51	.100	4	143	1.24	108	.17	7	2.06	.03	.06	1	13	10	6
C 56E 47+50N	1	141	7	44	.2	46	15	437	2.58	3	5	ND	2	22	1	2	2	70	.37	.011	6	73	.80	126	.13	3	1.52	.02	.06	1	8	11	10
C 56E 47+00N	1	63	2	50	.1	52	21	219	3.77	7	5	ND	2	39	1	2	2	97	.62	.009	9	118	1.33	92	.18	6	1.89	.03	.10	1	10	13	2
C 57E 59+00N	1	32	6	33	.1	25	13	183	2.87	5	5	ND	1	46	1	2	2	88	.84	.011	5	55	.75	54	.19	6	1.56	.03	.08	2	10	7	3
C 57E 58+50N	1	33	7	40	.1	26	14	209	3.13	4	5	ND	2	40	1	3	2	86	.70	.029	5	63	.81	79	.18	2	1.58	.03	.12	2	7	5	2
C 57E 59+00N	1	24	10	49	.2	21	11	156	2.58	4	5	ND	2	28	1	3	2	61	.45	.078	4	44	.56	100	.14	5	1.54	.02	.08	1	4	4	4
C 57E 57+00N	1	40	3	69	.2	28	15	346	3.13	8	5	ND	3	43	1	2	2	78	.68	.074	9	60	.90	191	.17	6	1.66	.02	.18	1	4	19	2
C 57E 56+50N	1	23	6	93	.2	24	11	373	2.66	5	5	ND	2	30	1	2	2	64	.50	.126	6	47	.69	129	.14	4	1.71	.02	.06	1	9	1	2
C 57E 56+00N	1	41	8	61	.1	27	14	371	2.92	4	5	ND	1	33	1	2	2	79	.59	.044	6	56	.81	75	.15	4	1.52	.02	.08	1	9	1	5
C 57E 55+50N	1	99	8	69	.1	45	21	480	4.44	9	5	ND	3	48	1	2	2	113	.98	.057	11	88	1.34	157	.19	6	2.70	.03	.26	1	12	14	11
C 57E 55+00N	1	159	6	67	.2	41	21	532	4.50	13	5	ND	3	55	1	2	2	116	1.01	.085	9	80	1.67	151	.22	4	2.77	.03	.48	1	9	18	5
C 57E 54+50N	1	64	7	63	.1	33	17	378	3.64	7	5	ND	2	42	1	2	2	102	.71	.049	7	67	1.08	63	.19	4	2.03	.02	.12	1	8	6	2
C 57E 54+00N	1	70	8	106	.3	44	19	476	3.54	3	5	ND	2	37	1	2	2	82	.56	.150	5	68	.91	138	.16	5	2.95	.02	.10	1	17	6	3
C 57E 53+50N	1	78	3	58	.4	34	20	315	3.79	8	5	ND	3	45	1	3	2	103	.76	.042	7	72	1.26	90	.21	6	2.16	.02	.16	1	9	1	3
C 57E 53+00N	1	29	9	82	.1	22	14	333	2.93	2	5	ND	1	29	1	2	2	67	.45	.143	5	49	.64	130	.16	6	1.95	.02	.09	1	8	4	2
C 57E 52+50N	1	49	7	51	.1	28	16	321	3.21	4	5	ND	1	43	1	2	2	85	.74	.039	7	63	.98	70	.20	5	1.84	.03	.12	1	11	12	9
C 57E 52+00N	1	44	7	123	.1	34	18	336	3.78	3	5	ND	1	40	1	2	2	101	.66	.127	5	60	.93	118	.16	5	2.15	.02	.10	1	5	5	2
C 57E 51+50N	1	85	4	46	.2	31	13	370	2.72	5	5	ND	2	34	1	2	2	72	.60	.013	7	54	.81	56	.18	4	1.55	.02	.10	2	3	5	5
C 57E 51+00N	1	25	6	64	.1	16	11	311	2.27	2	5	ND	1	28	1	2	2	59	.43	.086	4	38	.50	81	.14	2	1.41	.02	.05	1	6	6	2
C 57E 50+50N	1	25	10	60	.4	18	12	179	2.84	2	5	ND	2	29	1	2	2	69	.45	.135	4	43	.42	87	.15	5	1.56	.02	.05	2	3	6	3
C 57E 50+00N	1	26	9	67	.1	18	12	181	2.94	5	5	ND	1	30	1	2	2	71	.48	.126	4	46	.42	87	.15	6	1.63	.02	.06	1	7	9	10
C 57E 50+00N (A)	1	140	4	79	.2	34	21	330	4.04	6	5	ND	1	44	1	2	3	112	.74	.078	5	57	.94	121	.16	4	1.77	.02	.17	1	8	6	8
C 57E 49+50N	1	35	9	82	.1	21	16	465	2.73	4	5	ND	1	38	1	2	2	71	.55	.045	6	43	.56	115	.17	7	1.40	.02	.07	1	3	1	3
C 57E 49+00N	1	46	6	78	.1	29	18	419	3.07	2	5	ND	1	42	1	2	2	79	.63	.035	6	54	.80	92	.19	3	1.68	.02	.10	1	6	10	7
STD C/ZA-5X	18	64	38	132	6.6	73	31	1017	4.11	42	18	7	38	49	18	15	22	59	.50	.088	39	58	.93	176	.07	37	2.03	.06	.18	13	100	102	96

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB	Pt** PPB	Pd** PPB
C 57E 49+50N	1	192	3	75	.2	60	21	444	3.84	2	5	ND	2	54	1	2	2	90	.91	.014	10	73	1.03	150	.19	2	2.43	.02	.15	2	5	3	2
C 57E 49+00N	1	99	2	71	.1	57	24	399	4.21	2	5	ND	1	46	1	2	2	104	.64	.027	6	127	1.41	195	.18	5	2.12	.03	.20	1	3	1	4
C 57E 47+50N	1	127	3	69	.1	26	18	416	2.76	2	5	ND	1	15	1	2	2	74	.29	.059	2	67	.42	141	.10	2	.86	.02	.04	1	5	5	2
C 57E 47+00N	1	120	6	61	.2	32	35	202	5.31	4	5	ND	1	44	1	2	2	174	.52	.010	2	274	1.50	130	.22	4	1.92	.02	.11	1	6	7	2
C 57E 46+50N	1	34	6	105	.1	42	20	344	4.93	3	5	ND	1	38	1	2	2	135	.48	.079	5	109	.94	127	.16	2	1.76	.02	.08	1	5	8	2
C 58E 57+50N	1	16	3	38	.1	15	9	345	2.29	2	5	ND	1	18	1	2	2	57	.29	.106	4	38	.39	70	.11	5	1.26	.02	.05	1	1	3	2
C 58E 57+00N	1	30	5	99	.4	25	12	457	2.90	2	5	ND	2	25	1	2	2	67	.42	.074	4	49	.57	100	.13	2	1.72	.02	.10	1	5	6	5
C 58E 56+50N	1	47	2	90	.3	30	17	366	3.49	3	5	ND	2	39	1	2	2	88	.72	.082	6	68	.89	124	.15	2	1.77	.03	.12	1	4	3	4
C 58E 56+00N	1	52	6	95	.3	30	21	514	3.85	3	5	ND	2	46	1	2	2	95	.91	.129	5	79	.99	136	.14	2	1.64	.03	.17	1	5	6	5
C 58E 55+50N	1	19	3	91	.1	21	12	273	2.59	2	5	ND	1	30	1	2	2	66	.52	.073	4	52	.60	75	.14	3	1.42	.02	.07	1	7	5	2
C 58E 55+00N	1	42	8	63	.2	22	11	327	2.61	2	5	ND	2	23	1	2	2	55	.52	.013	5	40	.46	117	.13	6	2.03	.02	.09	1	5	1	2
C 58E 54+50N	1	42	6	102	.2	32	16	205	3.58	2	5	ND	2	26	1	2	2	34	.45	.152	5	58	.81	87	.15	2	2.34	.02	.03	1	5	5	2
C 58E 54+00N	1	30	5	95	.3	29	15	335	3.13	3	5	ND	2	30	1	2	2	81	.47	.085	5	52	.71	94	.15	2	1.97	.02	.07	1	2	2	2
C 58E 53+50N	1	66	6	114	.1	35	17	307	4.48	2	5	ND	1	30	1	2	2	106	.45	.154	5	64	.99	98	.17	2	3.20	.02	.08	1	8	2	2
C 58E 53+00N	1	41	5	75	.2	28	15	200	3.06	2	5	ND	2	34	1	2	2	78	.56	.046	6	53	.82	74	.19	5	1.99	.02	.08	1	2	4	4
C 58E 52+50N	1	494	7	101	.9	96	23	1084	6.16	3	5	ND	3	57	1	2	2	107	1.54	.057	27	128	1.46	330	.15	10	6.28	.02	.36	1	4	2	3
C 58E 52+00N	1	39	3	72	.1	25	15	250	3.11	4	5	ND	2	30	1	3	2	75	.56	.084	5	60	.74	81	.14	8	1.85	.02	.07	1	2	3	3
C 58E 51+50N	1	32	9	47	.5	17	9	213	2.02	5	5	ND	3	29	1	3	2	55	.48	.032	5	37	.55	49	.15	6	1.09	.02	.07	1	2	3	2
C 58E 51+00N	1	40	2	110	.1	25	13	619	2.50	2	5	ND	1	30	1	2	2	58	.47	.085	5	48	.71	119	.15	2	1.93	.02	.07	1	2	3	2
C 58E 50+50N	1	61	3	76	.3	29	13	311	2.30	3	5	ND	3	35	1	3	2	72	.59	.069	6	57	.86	88	.17	6	1.73	.02	.08	1	6	3	4
C 58E 50+00N	1	27	4	98	.3	19	11	564	2.25	2	5	ND	2	29	1	2	2	54	.41	.072	4	36	.42	143	.13	2	1.33	.02	.06	1	6	4	2
C 58E 49+50N	1	26	6	72	.2	15	10	262	2.01	2	5	ND	2	26	1	2	2	51	.39	.059	4	31	.37	102	.14	4	1.21	.02	.05	1	3	1	2
C 58E 49+00N	1	92	8	108	.2	45	25	282	2.78	2	5	ND	1	25	1	2	2	84	.37	.177	4	54	.62	142	.15	2	2.39	.02	.08	1	8	2	4
C 58E 48+50N	1	66	9	79	.2	31	15	322	2.69	2	5	ND	2	29	1	2	2	66	.52	.056	4	59	.85	95	.16	3	1.89	.02	.08	1	4	6	5
C 58E 48+00N	1	55	4	89	.2	41	19	362	3.47	4	5	ND	2	38	1	2	2	90	.62	.044	5	95	1.16	151	.21	5	1.87	.02	.11	1	1	2	6
C 58E 47+50N	1	96	2	112	.1	44	21	395	4.06	4	5	ND	1	33	1	2	2	94	.70	.100	2	97	1.44	266	.22	2	2.25	.02	.22	1	5	6	6
C 58E 47+00N	1	58	4	114	.5	53	24	296	3.60	2	5	ND	3	38	1	2	2	90	.61	.097	5	149	1.97	154	.21	7	2.65	.02	.14	1	5	5	4
C 58E 46+50N	1	224	2	85	.2	44	16	500	3.76	7	5	ND	1	43	1	2	2	88	.91	.060	9	78	1.08	129	.14	4	2.23	.02	.21	1	5	5	3
C 58E 46+00N	1	130	8	72	.3	41	17	499	3.82	7	5	ND	2	48	1	2	2	95	1.15	.070	9	78	1.18	127	.13	7	2.46	.02	.21	1	2	1	7
C 59E 46+00N	1	39	6	111	.1	19	14	454	2.86	4	5	ND	2	37	1	2	2	58	.53	.230	4	49	.72	202	.12	2	1.47	.02	.09	1	3	1	2
C 60E 64+00N	1	52	6	125	.3	36	20	226	3.83	4	5	ND	2	29	1	2	2	90	.56	.185	4	103	.93	77	.13	2	2.06	.02	.07	1	5	6	2
C 60E 63+50N	1	33	3	85	.1	30	14	251	2.83	3	5	ND	2	34	1	2	2	71	.59	.066	6	66	.81	89	.16	3	1.69	.02	.08	1	3	2	2
C 60E 63+00N	1	56	5	52	.2	39	17	344	3.63	4	5	ND	3	39	1	2	2	102	.86	.054	8	98	1.49	96	.20	3	1.85	.03	.22	1	2	6	5
C 60E 62+50N	1	36	2	59	.1	23	15	249	3.22	3	5	ND	1	36	1	2	2	90	.64	.099	5	74	.90	75	.15	2	1.55	.03	.07	1	4	5	2
C 60E 62+00N	1	171	8	79	.4	57	21	478	5.50	5	5	ND	3	48	1	2	2	105	1.11	.026	10	122	1.39	205	.18	6	4.01	.03	.24	1	6	1	7
C 60E 61+50N	1	48	7	120	.3	32	17	208	3.15	4	5	ND	3	38	1	3	2	76	.59	.067	6	65	.90	79	.17	2	2.07	.02	.08	1	6	3	2
STD C/FA-5Z	18	63	41	132	7.0	74	31	963	4.17	41	22	8	40	49	18	16	23	60	.51	.089	29	57	.93	179	.07	35	2.01	.06	.13	13	102	98	96

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB	Pt** PPB	Pd** PPB
C 60E 51+00N	1	30	7	107	.2	28	14	247	2.10	2	5	ND	2	27	1	2	2	80	.47	.119	5	60	.64	100	.14	2	1.80	.02	.06	1	9	1	2
C 60E 50+50N	1	54	6	59	.3	39	19	223	3.51	2	5	ND	2	43	1	2	2	95	.69	.043	7	93	1.06	82	.20	3	2.03	.03	.11	1	3	13	2
C 60E 50+00N	1	27	3	86	.2	26	15	239	3.00	2	5	ND	1	31	1	2	2	60	.54	.081	4	64	.72	77	.15	5	1.59	.03	.06	1	1	8	10
C 60E 49+50N	1	44	4	72	.1	28	13	278	2.38	2	5	ND	1	43	1	2	2	79	.74	.026	6	67	.95	46	.20	5	1.64	.03	.08	1	3	9	9
C 60E 49+00N	1	20	6	91	.3	22	13	238	2.92	2	5	ND	2	30	1	2	2	77	.48	.094	4	57	.58	87	.15	3	1.54	.02	.07	1	7	12	3
C 60E 58+50N	1	29	3	66	.1	26	15	269	3.11	4	5	ND	2	34	1	2	2	82	.58	.075	4	59	.73	67	.16	4	1.75	.03	.08	1	8	1	9
C 60E 58+00N	1	28	6	65	.1	25	13	194	3.08	3	5	ND	1	32	1	2	2	86	.57	.064	5	58	.64	77	.15	6	1.51	.03	.07	1	12	8	6
C 60E 57+50N	1	26	3	59	.3	24	14	246	2.93	2	5	ND	1	29	1	2	2	87	.52	.049	4	57	.63	52	.15	2	1.40	.02	.06	1	9	4	7
C 60E 57+00N	1	13	7	77	.1	20	11	333	2.47	2	5	ND	1	23	1	2	2	67	.42	.087	4	39	.43	117	.11	3	1.27	.02	.07	1	3	10	7
C 60E 56+50N	1	17	6	73	.3	20	11	461	2.66	4	5	ND	2	31	1	2	2	68	.54	.099	4	44	.43	85	.13	2	1.45	.02	.09	1	7	1	9
C 60E 56+00N	1	28	6	66	.1	31	17	208	3.43	2	5	ND	2	37	1	2	2	96	.63	.045	5	71	.82	66	.18	5	1.62	.03	.07	2	7	1	7
C 60E 55+50N	1	30	5	81	.1	34	15	206	2.97	2	5	ND	2	29	1	2	2	73	.53	.082	5	65	.70	94	.14	3	1.82	.02	.07	2	2	8	7
C 60E 55+00N	1	62	4	45	.2	29	12	260	2.86	4	5	ND	2	33	1	2	2	69	.63	.031	8	59	.73	79	.14	5	1.78	.02	.09	2	5	5	6
C 60E 54+50N	1	27	6	101	.3	30	13	252	2.64	4	5	ND	3	28	1	2	2	59	.45	.130	3	51	.64	123	.14	4	1.84	.02	.07	1	3	7	2
C 60E 54+00N	1	35	7	61	.2	27	12	195	2.65	3	5	ND	2	27	1	2	2	63	.42	.071	7	48	.65	75	.16	5	1.88	.02	.06	1	4	2	4
C 60E 53+50N	1	36	3	73	.1	26	14	199	2.84	2	5	ND	1	25	1	2	2	68	.35	.045	6	43	.65	108	.16	3	2.24	.02	.04	1	2	3	7
C 60E 53+00N	1	20	3	92	.1	29	12	260	2.52	2	5	ND	1	32	1	2	2	60	.49	.069	5	45	.65	149	.16	4	1.85	.02	.10	1	3	10	3
C 60E 52+50N	1	73	7	73	.1	33	17	269	3.25	3	5	ND	2	35	1	2	2	90	.51	.056	7	63	.94	94	.18	2	2.37	.02	.10	1	2	1	5
C 60E 52+00N	1	26	5	76	.1	22	14	431	2.83	2	5	ND	1	35	1	2	2	71	.54	.076	4	60	.67	95	.14	2	1.38	.02	.06	1	11	11	12
C 60E 51+50N	1	23	6	98	.2	27	17	225	3.41	3	5	ND	2	32	1	2	2	75	.56	.068	6	63	.69	83	.17	6	2.13	.02	.08	1	3	12	4
C 60E 51+00N	1	46	4	94	.2	28	16	274	3.05	6	5	ND	2	30	1	2	2	69	.47	.120	5	53	.83	114	.16	2	2.12	.02	.07	1	5	1	7
C 60E 50+50N	1	224	3	83	.3	33	13	372	2.30	3	5	ND	2	34	1	2	2	71	.59	.017	6	58	.91	86	.19	2	1.81	.02	.07	1	1	6	8
C 60E 50+00N	1	23	6	38	.4	23	13	394	2.54	6	5	ND	2	33	1	2	2	60	.50	.126	4	42	.55	125	.14	3	1.69	.02	.06	1	2	4	2
C 60E 49+50N	1	29	2	71	.3	20	11	226	2.31	5	5	ND	2	27	1	3	2	58	.41	.092	4	38	.51	91	.13	17	1.52	.02	.05	1	2	1	2
C 60E 49+00N	1	40	6	88	.1	31	18	718	3.57	2	5	ND	1	22	1	2	2	84	.46	.055	3	34	.83	229	.16	4	1.81	.02	.07	1	1	4	7
C 60E 48+50N	1	115	6	100	.2	28	14	367	2.96	2	5	ND	2	34	1	2	2	67	.50	.097	4	63	.80	184	.14	3	1.81	.02	.08	1	1	4	6
C 60E 48+00N	1	31	8	83	.1	25	13	370	2.59	2	5	ND	1	33	1	2	2	63	.49	.061	4	52	.75	115	.15	2	1.75	.02	.08	4	3	1	2
C 60E 47+50N	1	50	5	155	.1	38	18	623	3.64	2	5	ND	1	27	1	2	2	34	.46	.124	3	96	1.16	261	.20	20	2.36	.02	.09	1	4	5	2
C 60E 47+00N	1	84	5	43	.1	30	13	229	2.82	4	5	ND	1	40	1	2	2	69	.67	.017	4	72	.91	137	.20	8	1.76	.02	.18	2	2	8	5
C 60E 46+50N	1	58	2	55	.1	29	14	274	2.84	5	5	ND	2	44	1	2	2	75	.72	.042	6	56	.94	67	.19	2	1.69	.03	.16	1	4	9	3
C 60E 46+00N	1	63	2	73	.1	30	16	449	2.97	2	5	ND	1	43	1	2	2	72	.71	.054	6	61	.91	120	.17	3	1.78	.02	.23	1	8	8	2
C 62E 64+00N	1	47	3	42	.1	30	14	307	3.48	6	5	ND	2	39	1	2	3	102	.77	.055	8	74	.90	64	.15	2	1.45	.03	.11	2	5	7	7
C 62E 63+50N	1	28	2	54	.1	25	11	182	3.11	2	5	ND	1	28	1	2	2	91	.49	.052	6	65	.60	51	.13	2	1.50	.02	.07	1	5	8	2
C 62E 63+00N	1	22	2	50	.1	27	12	204	3.15	2	5	ND	1	30	1	2	2	89	.52	.088	5	63	.66	69	.13	2	1.49	.02	.05	1	1	6	4
C 62E 62+50N	1	23	2	62	.1	35	15	198	3.74	6	5	ND	3	25	1	2	2	98	.45	.172	6	70	.66	112	.13	19	1.97	.02	.05	1	6	3	2
C 62E 62+00N	1	23	2	79	.1	23	14	267	2.50	5	5	ND	1	29	1	2	2	103	.52	.092	4	63	.58	78	.14	2	1.63	.02	.06	1	5	7	4
STD C/FA-3X	18	65	38	132	6.5	73	31	1017	4.14	41	19	6	37	49	18	14	18	59	.50	.090	39	57	.91	179	.07	32	1.99	.06	.14	11	96	101	100

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB	Pt** PPB	Pd** PPB
C 62E 61+50N	1	25	3	58	.1	28	14	210	3.57	2	5	ND	1	31	1	2	2	108	.56	.063	3	64	.60	66	.14	2	1.64	.02	.06	2	3	1	7
C 62E 61+00N	1	36	6	69	.2	33	17	240	3.67	2	5	ND	2	35	1	2	2	94	.64	.099	6	77	.89	58	.16	8	2.02	.03	.08	1	4	2	7
C 62E 60+50N	1	21	7	36	.1	17	9	130	2.07	4	5	ND	1	20	1	2	3	55	.38	.060	2	37	.39	36	.11	2	1.00	.02	.05	1	2	1	2
C 62E 60+00N	1	32	2	35	.1	28	14	268	3.12	2	5	ND	1	43	1	2	2	96	.84	.016	6	75	.35	42	.20	2	1.43	.03	.06	1	7	4	8
C 62E 59+50N	1	29	2	82	.2	33	17	182	3.75	5	5	ND	1	29	1	2	2	95	.57	.148	4	71	.80	70	.15	3	2.05	.02	.08	1	5	6	2
C 62E 59+00N	1	19	5	56	.1	20	10	151	2.82	2	5	ND	1	19	1	2	2	77	.38	.098	3	40	.46	49	.13	5	1.55	.02	.05	1	1	1	6
C 62E 58+50N	1	32	8	89	.1	30	16	192	3.52	4	5	ND	2	25	1	2	2	94	.50	.120	4	57	.69	87	.14	5	1.91	.02	.06	1	4	1	2
C 62E 58+00N	1	39	6	64	.1	31	13	221	3.10	3	5	ND	1	29	1	2	2	91	.57	.036	4	63	.74	51	.15	4	1.55	.02	.08	1	1	2	2
C 62E 57+50N	1	13	8	61	.1	16	9	161	2.87	4	5	ND	1	24	1	2	2	87	.41	.055	3	36	.43	33	.15	3	1.16	.02	.04	1	6	2	2
C 62E 57+00N	1	23	5	58	.1	23	12	319	2.56	3	5	ND	1	22	1	2	2	66	.39	.065	3	33	.54	85	.14	5	1.74	.02	.04	1	4	3	6
C 62E 56+50N	1	37	4	44	.1	31	17	240	3.59	4	5	ND	1	43	1	2	2	105	.81	.026	5	71	1.00	52	.20	4	1.78	.03	.08	2	1	3	2
C 62E 56+00N	1	71	4	57	.1	33	15	297	2.87	4	5	ND	1	40	1	2	2	85	.79	.019	7	52	.92	57	.22	7	1.96	.03	.07	1	5	1	4
C 62E 55+50N	1	31	3	42	.1	25	15	246	3.13	5	5	ND	1	43	1	2	2	94	.74	.018	5	53	.78	47	.21	5	1.57	.03	.07	1	1	1	9
C 62E 55+00N	1	22	2	93	.1	29	14	240	3.28	2	5	ND	1	31	1	2	2	71	.59	.059	4	55	.69	90	.15	5	1.73	.02	.08	1	5	7	3
C 62E 54+50N	1	22	3	65	.1	27	13	223	3.87	3	5	ND	1	29	1	2	2	73	.51	.067	5	56	.66	101	.14	3	1.63	.02	.07	1	6	3	2
C 62E 54+00N	1	58	3	40	.1	40	18	301	3.77	4	5	ND	1	43	1	2	2	107	.92	.024	7	87	1.27	50	.20	6	1.79	.03	.15	1	9	7	2
C 62E 53+50N	1	21	5	70	.1	22	13	297	2.59	5	5	ND	1	30	1	2	2	62	.51	.127	5	45	.62	147	.14	6	1.65	.02	.07	1	2	2	2
C 62E 53+00N	1	47	4	66	.1	27	15	336	3.14	3	5	ND	1	39	1	2	2	75	.91	.013	6	55	.87	75	.19	7	2.06	.03	.11	1	6	5	4
C 62E 52+50N	1	115	3	70	.3	44	28	526	3.40	4	5	ND	1	46	1	2	4	95	1.53	.018	8	72	1.07	102	.16	11	1.99	.03	.12	1	5	3	4
C 62E 51+00N	1	45	6	78	.1	38	17	246	3.47	5	5	ND	1	36	1	2	2	83	.61	.064	5	58	.87	95	.19	4	2.43	.02	.09	1	7	1	2
C 62E 50+50N	1	19	3	64	.1	15	10	261	2.47	3	5	ND	1	36	1	2	2	63	.55	.079	4	40	.48	64	.15	2	1.26	.02	.05	1	1	1	2
C 62E 50+00N	1	28	8	101	.1	23	14	338	2.74	7	5	ND	1	33	1	2	2	64	.54	.129	4	49	.71	74	.14	5	1.84	.02	.06	1	2	1	2
C 62E 49+50N	1	53	2	70	.1	30	15	269	3.25	3	5	ND	1	46	1	2	2	81	.66	.058	4	60	.90	63	.18	2	1.91	.02	.06	1	1	2	2
C 62E 49+00N	1	44	3	91	.1	32	16	317	3.27	2	5	ND	1	40	1	2	2	79	.66	.074	5	56	.95	76	.13	4	2.10	.03	.09	1	1	1	2
C 62E 48+50N	1	23	10	101	.1	19	11	293	3.65	7	5	ND	1	20	1	2	2	57	.33	.204	4	33	.44	98	.14	4	2.38	.02	.06	1	1	1	2
C 62E 48+00N	1	165	4	159	.1	38	19	479	3.38	4	5	ND	1	32	1	2	2	61	.48	.127	4	56	.93	185	.15	4	2.45	.02	.09	1	2	2	2
C 62E 47+50N	1	41	3	84	.2	27	15	366	2.69	2	5	ND	1	30	1	2	3	59	.47	.104	4	49	.73	84	.15	6	1.86	.02	.09	1	4	1	4
C 62E 47+00N	1	43	4	66	.1	28	16	246	3.03	7	5	ND	1	49	1	2	2	76	.70	.051	4	59	1.07	96	.20	4	1.77	.03	.07	1	449	7	5
C 62E 46+50N	1	53	6	122	.1	30	17	296	3.02	4	5	ND	1	31	1	2	2	63	.49	.151	3	67	.93	149	.14	6	1.80	.02	.09	1	7	3	2
C 62E 46+00N	1	26	6	65	.1	21	12	226	2.34	2	5	ND	1	29	1	2	2	54	.44	.082	4	38	.58	98	.15	2	1.56	.02	.07	1	5	1	2
STD C/FA-5X	18	65	37	132	6.7	69	31	960	4.18	41	18	6	37	49	18	20	23	59	.50	.089	39	52	.92	174	.07	36	2.07	.06	.14	11	102	97	95

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-171

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1-P4 SOIL P5-P6 ROCK AU** PT** PD** BY FIRE ASSAY & ANALYSIS BY ICP/GRAPHITE FURNACE. 30 GM

DATE RECEIVED: OCT 26 1989 DATE REPORT MAILED: Nov 3/89 SIGNED BY. C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB	Pt** PPB	Pd** PPB
C L60E 45+50N	1	51	7	98	.1	28	14	290	2.50	2	5	ND	1	41	1	2	2	62	.61	.064	5	41	.70	87	.14	2	1.74	.03	.08	1	1	3	5
C L60E 45+00N	1	35	9	128	.2	26	14	394	2.60	2	5	ND	1	34	1	2	3	58	.55	.126	5	40	.67	109	.13	4	1.92	.02	.09	1	6	3	2
C L60E 44+50N	1	44	11	86	.1	27	14	248	2.63	2	5	ND	1	30	1	2	2	60	.49	.082	6	47	.65	93	.13	2	1.88	.02	.08	1	1	2	3
C L60E 44+00N	1	47	7	68	.1	27	13	256	2.81	2	5	ND	1	36	1	2	2	66	.59	.065	6	50	.68	74	.15	10	1.86	.02	.09	1	22	3	4
C L60E 43+50N	1	25	13	35	.1	25	13	155	2.56	5	5	ND	1	27	1	2	3	68	.44	.009	4	75	.57	39	.16	5	1.57	.02	.06	1	1	2	2
C L60E 43+00N	1	24	11	66	.1	22	16	224	2.35	4	5	ND	1	33	1	2	3	66	.61	.023	4	39	.53	48	.15	4	1.37	.02	.08	1	1	1	2
C L59E 64+00N	1	42	3	66	.2	31	16	278	3.21	6	5	ND	1	41	1	2	2	89	.73	.062	7	74	.92	75	.14	4	1.65	.03	.11	1	7	9	7
C L59E 63+50N	1	27	8	91	.2	26	15	409	3.07	3	5	ND	4	40	1	2	2	77	.67	.115	6	70	.81	128	.12	2	1.68	.03	.10	1	3	6	5
C L59E 63+00N	1	144	7	61	.2	37	17	448	3.21	3	5	ND	1	46	1	2	2	88	.92	.031	9	82	1.08	94	.15	6	1.87	.03	.13	1	5	4	8
C L59E 62+50N	1	19	4	80	.2	22	11	260	2.54	2	5	ND	1	30	1	2	2	65	.49	.112	5	51	.57	86	.12	5	1.29	.02	.06	1	2	3	2
C L59E 62+00N	1	9	5	67	.1	15	8	292	1.87	2	5	ND	1	25	1	2	2	51	.35	.058	3	34	.32	86	.10	3	.89	.02	.04	1	36	6	3
C L59E 61+50N	1	15	11	103	.1	26	13	255	2.43	2	5	ND	1	29	1	2	2	60	.46	.063	4	51	.56	75	.12	4	1.44	.02	.07	1	2	4	2
C L59E 61+00N	1	30	8	46	.1	29	14	254	3.04	3	5	ND	1	44	1	2	2	84	.74	.044	5	71	.85	66	.14	3	1.44	.03	.09	1	6	3	2
C L59E 60+50N	1	18	6	53	.1	19	10	268	2.19	2	5	ND	1	26	1	2	2	61	.41	.035	3	42	.43	55	.11	6	1.03	.02	.06	1	1	3	4
C L59E 60+00N	1	33	7	71	.2	30	16	581	3.18	4	5	ND	1	42	1	2	2	79	.68	.086	6	68	.90	114	.14	6	1.65	.03	.12	1	2	5	2
C L59E 59+50N	1	14	3	60	.2	22	12	349	2.57	2	5	ND	1	36	1	2	2	69	.55	.058	5	52	.58	73	.13	4	1.16	.02	.06	1	5	3	2
C L59E 59+00N	1	15	5	87	.1	25	14	299	3.07	3	5	ND	1	36	1	2	2	84	.60	.071	4	61	.63	100	.14	3	1.53	.03	.07	1	4	4	2
C L59E 58+50N	1	18	7	53	.1	22	13	344	2.64	3	5	ND	1	38	1	2	2	74	.62	.037	4	49	.64	79	.14	14	1.29	.03	.07	1	16	5	2
C L59E 58+00N	1	19	7	128	.1	26	15	488	2.82	2	5	ND	1	36	1	2	2	74	.64	.043	4	54	.68	107	.15	2	1.60	.03	.09	1	1	4	3
C L59E 57+50N	1	11	10	94	.2	17	11	438	2.05	2	5	ND	1	27	1	2	3	53	.41	.094	3	30	.32	115	.11	9	.99	.02	.07	1	1	3	2
C L59E 57+00N	1	47	7	88	.1	31	16	514	3.32	5	5	ND	1	36	1	2	2	96	.61	.026	7	65	.79	76	.16	3	1.51	.03	.10	1	3	6	3
C L59E 56+50N	1	37	7	51	.1	30	17	405	3.43	5	5	ND	1	39	1	2	2	93	.76	.065	5	71	.90	88	.13	3	1.49	.03	.08	2	14	8	4
C L59E 56+00N	1	18	8	83	.1	23	16	358	2.74	6	5	ND	1	33	1	3	2	69	.61	.083	5	53	.64	120	.12	3	1.53	.02	.08	1	5	4	2
C L59E 55+50N	1	165	5	62	.1	46	16	403	3.62	9	5	ND	3	43	1	2	2	96	.86	.034	11	78	1.13	106	.17	10	2.46	.03	.16	1	6	4	6
C L59E 55+00N	1	59	10	64	.2	36	18	264	3.95	6	5	ND	2	39	1	2	2	95	.79	.030	7	86	1.07	93	.16	4	2.46	.03	.16	1	5	5	2
C L59E 54+50N	1	45	6	97	.2	38	16	263	3.30	8	5	ND	1	34	1	2	2	83	.59	.075	6	58	.90	90	.15	2	2.19	.02	.09	1	5	2	3
C L59E 54+00N	1	24	7	80	.1	30	15	247	3.02	2	5	ND	1	31	1	2	2	73	.49	.100	5	49	.60	95	.13	2	1.95	.02	.07	1	3	2	2
C L59E 53+50N	1	65	8	52	.1	28	15	264	2.90	2	5	ND	1	35	1	2	2	73	.52	.047	5	51	.68	93	.14	4	1.95	.02	.08	1	3	2	2
C L59E 53+00N	1	85	9	51	.1	30	17	273	2.96	2	5	ND	1	35	1	2	2	75	.53	.034	7	53	.74	95	.15	17	2.02	.03	.08	1	5	2	2
C L59E 52+50N	1	23	9	80	.2	26	15	294	2.70	3	5	ND	1	33	1	2	2	63	.54	.092	6	47	.68	114	.13	2	1.75	.02	.08	1	7	3	2
C L59E 52+00N	1	38	8	73	.2	23	14	334	2.49	3	5	ND	1	36	1	2	2	67	.59	.046	5	48	.74	55	.15	2	1.44	.02	.07	1	1	3	2
C L59E 51+50N	1	38	10	99	.1	32	15	310	3.06	5	5	ND	1	34	1	2	2	72	.56	.095	6	54	.79	124	.15	2	2.15	.02	.08	1	3	2	2
C L59E 51+00N	1	50	10	45	.1	27	15	269	2.96	7	5	ND	1	41	1	2	2	76	.65	.043	7	57	.94	87	.16	2	1.80	.02	.13	1	7	3	2
C L59E 50+50N	1	36	7	70	.2	28	14	263	2.80	5	5	ND	1	34	1	2	2	69	.51	.080	5	48	.62	90	.13	2	1.78	.02	.07	1	2	2	3
C L59E 50+00N	1	41	8	78	.1	24	14	275	2.88	2	5	ND	1	33	1	2	3	68	.52	.113	4	48	.65	139	.13	2	1.80	.02	.07	1	2	16	2
C L59E 49+50N	1	44	7	144	.1	25	15	542	2.84	2	5	ND	1	34	1	2	2	67	.52	.132	4	51	.69	173	.13	8	2.00	.03	.07	2	2	4	3
STD C/FA-5X	17	58	37	132	7.1	67	30	1014	3.97	36	18	6	37	48	18	15	20	56	.48	.089	36	53	.86	174	.06	32	1.95	.06	.14	12	101	96	100

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB	Pt** PPB	Pd** PPB
C L59E 49+00N	1	25	9	134	.1	15	9	482	1.91	2	5	ND	1	23	1	2	4	52	.37	.053	2	30	.38	130	.11	4	.96	.02	.05	1	15	1	2
C L59E 48+50N	1	53	7	87	.1	38	18	359	3.02	2	5	ND	1	42	1	2	2	74	.65	.056	5	76	1.01	134	.16	5	1.94	.02	.09	1	3	2	4
C L59E 48+00N	1	41	7	122	.1	27	13	254	2.44	3	5	ND	1	28	1	2	2	62	.45	.081	3	46	.64	131	.14	4	1.50	.02	.07	1	1	2	2
C L59E 47+50N	1	56	7	109	.1	35	22	435	4.15	7	5	ND	1	27	1	3	2	105	.50	.173	3	83	1.17	181	.19	5	2.14	.02	.14	1	1	4	2
C L59E 47+00N	1	48	9	85	.1	48	19	369	3.50	5	5	ND	1	38	1	2	2	85	.58	.049	3	113	1.30	188	.16	2	2.14	.02	.14	2	3	3	2
C L59E 46+50N	1	12	8	62	.1	10	8	353	1.66	2	5	ND	1	24	1	2	2	39	.34	.106	3	28	.33	110	.09	2	.88	.02	.06	1	1	1	2
C L59E 45+50N	1	75	8	66	.1	40	16	402	3.15	7	5	ND	1	47	1	2	2	79	.90	.083	8	67	1.27	79	.16	2	2.00	.03	.21	1	7	3	5
C L59E 45+00N	1	42	4	82	.1	54	18	257	3.22	7	5	ND	2	31	1	2	2	70	.52	.081	7	85	.91	126	.14	9	2.32	.02	.10	1	7	2	3
C L59E 44+50N	1	46	8	109	.1	30	16	272	3.01	10	5	ND	1	37	1	2	2	74	.66	.080	5	52	.71	89	.16	5	1.82	.02	.08	1	3	3	4
C L59E 44+00N	1	77	7	86	.1	48	19	376	3.58	7	5	ND	1	39	1	2	2	82	.65	.033	7	70	1.03	160	.17	10	2.61	.02	.13	1	3	2	3
C L59E 43+50N	1	48	10	146	.1	33	19	551	3.15	2	5	ND	1	45	1	2	2	64	.85	.192	4	56	.75	214	.12	6	2.31	.02	.11	1	5	1	2
C L59E 43+00N	1	18	3	106	.1	16	12	746	2.20	6	5	ND	1	28	1	2	2	44	.43	.195	3	40	.26	247	.10	2	1.01	.02	.06	1	1	1	2
C L59E 42+50N	1	103	16	255	.4	40	25	553	4.30	11	5	ND	1	39	1	2	2	85	.60	.214	4	63	1.03	229	.16	7	2.97	.02	.10	1	2	1	2
C L59E 42+00N	1	27	5	68	.1	28	11	242	1.82	5	5	ND	1	24	1	2	2	42	.32	.063	2	66	.69	63	.11	5	1.18	.02	.05	1	2	2	2
C L54E 45+50N	1	196	5	63	.1	64	24	583	4.87	9	5	ND	2	80	1	2	2	119	1.22	.172	10	115	1.88	141	.16	4	2.06	.04	.12	1	4	10	16
C L54E 45+00N	1	77	9	76	.1	58	19	427	3.98	15	5	ND	2	39	1	2	2	97	.64	.065	11	98	1.22	128	.16	6	2.22	.03	.17	1	5	4	5
C L54E 44+50N	1	53	13	65	.1	64	21	512	3.19	6	5	ND	1	51	1	2	2	73	.80	.050	7	105	1.37	194	.12	6	1.83	.03	.12	1	2	8	8
C L54E 44+00N	1	92	8	75	.1	69	20	596	3.99	20	5	ND	2	53	1	4	2	87	1.04	.081	9	90	1.69	163	.14	6	2.13	.04	.17	1	4	4	6
C L54E 43+50N	1	93	9	75	.1	62	22	642	4.08	13	5	ND	2	89	1	2	2	89	2.41	.081	10	91	1.77	147	.14	8	2.22	.04	.21	1	8	6	5
C L54E 43+00N	1	87	6	76	.1	140	37	680	4.48	14	5	ND	2	54	1	2	2	79	1.18	.096	8	150	3.05	266	.12	7	2.03	.03	.18	1	2	28	10
C L54E 42+50N	1	53	3	52	.1	68	23	221	4.16	7	5	ND	1	50	1	2	2	122	.74	.008	3	177	1.63	84	.17	9	2.00	.03	.06	1	2	15	8
C L54E 42+00N	1	39	3	72	.1	68	33	347	7.27	7	5	ND	1	35	1	2	2	195	.63	.063	5	133	1.48	124	.16	7	1.98	.03	.08	1	3	8	6
C L54E 41+50N	1	111	16	82	.6	50	16	647	4.07	17	5	ND	1	36	1	2	2	96	.53	.023	10	68	1.01	166	.12	5	2.88	.03	.15	3	2	2	3
C L54E 41+00N	1	57	7	79	.1	37	16	477	3.27	5	5	ND	2	41	1	2	2	81	.73	.063	13	60	1.03	111	.15	4	2.12	.03	.14	1	5	2	2
C L54E 40+50N	1	38	10	92	.2	48	15	368	2.93	8	5	ND	2	35	1	2	2	67	.60	.021	8	85	1.01	104	.15	2	2.03	.02	.09	1	3	2	3
C L54E 40+00N	1	29	7	88	.1	34	14	277	3.17	4	5	ND	2	32	1	2	2	70	.47	.056	8	53	.75	93	.15	5	2.50	.02	.09	1	3	1	2
C L54E 39+50N	1	23	10	129	.3	26	14	437	2.54	11	5	ND	2	22	1	2	2	52	.34	.136	5	38	.48	107	.11	5	2.01	.02	.06	1	3	1	2
C L54E 39+00N	1	25	5	104	.3	29	14	357	2.57	14	5	ND	2	30	1	2	2	54	.45	.142	6	44	.63	106	.11	6	2.10	.02	.07	2	2	1	2
C L54E 38+50N	1	31	9	115	.3	22	12	846	2.29	7	5	ND	1	32	1	3	3	48	.43	.130	6	36	.48	173	.10	4	1.81	.02	.06	2	1	2	2
C L54E 38+00N	1	37	6	76	.2	27	12	333	2.34	8	5	ND	1	35	1	2	2	59	.67	.046	7	44	.68	96	.12	2	1.91	.02	.09	1	6	2	4
C L54E 37+50N	1	59	7	94	.1	41	16	285	3.25	11	5	ND	1	34	1	2	2	78	.47	.073	6	59	.98	115	.13	2	2.54	.02	.07	1	1	1	2
C L54E 37+00N	1	25	11	125	.1	35	13	340	2.73	11	5	ND	2	19	1	2	2	61	.29	.087	6	44	.61	106	.13	4	2.48	.02	.07	1	1	1	2
C L53E 46+00N	1	176	4	84	.2	65	32	357	6.80	7	5	ND	1	74	1	2	2	200	1.18	.192	4	142	1.76	112	.17	4	2.32	.07	.11	1	3	12	7
C L53E 45+50N	1	27	3	90	.2	57	19	231	3.39	7	5	ND	1	27	1	2	2	77	.43	.065	6	84	.89	102	.12	3	1.95	.02	.06	1	9	4	2
C L53E 45+00N	1	21	6	100	.2	36	14	356	2.66	8	5	ND	2	31	1	2	2	61	.45	.122	8	54	.70	154	.12	8	1.74	.02	.10	1	2	2	2
C L53E 44+50N	1	33	7	70	.2	31	14	210	3.02	11	5	ND	1	44	1	2	2	76	.64	.023	5	52	.70	136	.14	6	2.21	.02	.09	1	1	2	2
STD C/FA-5X	17	58	38	132	7.2	68	30	1025	3.96	42	20	7	37	47	18	15	17	57	.48	.089	37	54	.86	175	.06	33	1.91	.06	.14	13	99	96	100

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB	Pt** PPB	Pd** PPB
C L53E 42+50N	1	39	3	50	.1	37	15	192	2.79	3	5	ND	1	33	1	2	2	81	.68	.036	3	93	1.18	72	.11	8	1.68	.02	.05	1	10	5	2
C L53E 40+50N	1	79	5	68	.2	39	14	378	3.38	13	5	ND	2	34	1	2	2	75	.53	.063	8	65	1.07	110	.12	3	2.24	.02	.17	1	19	2	2
C L53E 40+00N	1	65	6	62	.1	38	15	431	3.18	9	5	ND	2	36	1	2	3	71	.68	.066	8	76	1.05	114	.12	2	2.08	.01	.27	1	64	3	2
C L53E 39+50N	1	30	12	84	.3	23	11	273	2.87	5	5	ND	1	26	1	2	2	56	.43	.078	5	38	.47	102	.10	4	2.38	.01	.07	1	2	1	2
C L53E 39+00N	2	222	12	64	1.6	57	14	464	4.16	19	7	ND	1	45	1	2	3	77	1.04	.041	11	62	.63	203	.10	5	3.79	.02	.14	1	6	1	13
C L53E 38+50N	1	32	4	133	.2	28	14	364	3.20	7	5	ND	2	19	1	2	2	60	.32	.211	4	48	.62	128	.11	6	2.43	.01	.07	1	1	9	2
C L53E 38+00N	1	34	9	109	.2	26	14	365	2.80	3	5	ND	2	20	1	2	2	55	.33	.110	5	41	.67	105	.10	6	2.19	.01	.07	1	1	1	2
C L53E 37+50N	1	25	6	79	.2	24	12	202	2.53	3	5	ND	2	19	1	2	2	53	.31	.068	5	42	.65	79	.11	7	2.01	.01	.06	1	5	1	2
C L53E 37+00N	1	39	3	64	.2	29	12	271	2.54	7	7	ND	2	23	1	2	3	58	.40	.033	8	50	.74	74	.12	7	1.81	.02	.07	1	5	1	2
C L53E 36+50N	1	38	2	65	.1	25	12	352	2.53	4	5	ND	2	26	1	2	2	56	.46	.053	6	43	.66	82	.11	2	1.78	.02	.10	1	4	2	3
C L53E 36+00N	1	30	2	87	.1	23	11	238	2.27	6	5	ND	1	22	1	2	2	51	.40	.034	5	40	.57	61	.10	3	1.75	.02	.06	1	1	1	2
C L48E 59+00N	1	63	5	52	.3	39	14	363	3.13	3	5	ND	1	29	1	2	2	74	.50	.030	5	61	.83	106	.11	6	2.04	.02	.11	1	8	1	2
C L48E 58+50N	1	51	5	80	.2	33	14	245	2.62	3	5	ND	1	22	1	2	2	63	.38	.078	3	52	.77	93	.12	4	1.59	.02	.06	1	4	1	2
C L48E 58+00N	1	27	6	73	.2	26	12	207	2.83	2	5	ND	1	22	1	2	2	76	.36	.075	4	50	.49	93	.11	3	1.52	.02	.05	1	3	4	4
C L48E 57+50N	1	57	4	53	.2	32	15	256	3.25	7	5	ND	2	27	1	2	3	90	.47	.050	5	61	.81	75	.12	3	1.59	.02	.09	1	3	4	4
C L48E 57+00N	1	37	5	63	.2	29	14	277	3.14	7	5	ND	1	25	1	2	2	81	.41	.073	5	58	.72	104	.11	2	1.69	.02	.07	1	3	2	2
C L48E 56+50N	1	27	2	60	.2	24	12	198	2.44	6	5	ND	1	20	1	2	2	61	.33	.074	4	40	.47	108	.10	3	1.47	.02	.06	1	2	1	2
C L48E 55+00N	1	33	4	51	.3	31	17	185	4.55	4	5	ND	2	35	1	2	2	147	.59	.027	3	65	.76	78	.13	6	1.89	.04	.05	1	2	12	6
C L48E 54+50N	1	40	4	51	.2	26	13	176	2.81	2	5	ND	1	26	1	2	2	87	.46	.031	4	55	.67	71	.11	2	1.34	.03	.05	1	4	6	7
C L48E 54+00N	1	45	5	62	.2	42	18	218	4.03	2	5	ND	1	25	1	2	2	114	.43	.078	4	67	.80	109	.11	2	1.99	.03	.05	1	2	14	2
C L48E 53+50N	1	42	2	59	.1	38	16	183	3.75	3	5	ND	1	25	1	2	3	107	.43	.058	5	67	.75	91	.11	2	1.74	.02	.06	1	50	115	2
C L48E 53+00N	1	40	4	43	.2	30	16	147	4.07	2	5	ND	1	28	1	2	2	131	.45	.067	2	87	.64	85	.09	3	1.37	.03	.04	1	12	12	4
C L48E 52+50N	1	55	3	44	.2	26	20	470	5.25	5	5	ND	1	32	1	2	2	187	.52	.047	2	92	.76	72	.10	2	1.00	.03	.04	1	71	33	57
C L48E 52+00N	1	27	6	62	.1	28	13	200	3.14	2	5	ND	1	18	1	2	2	87	.31	.101	3	54	.47	94	.09	3	1.51	.02	.04	1	3	3	3
C L48E 51+50N	1	20	7	65	.1	25	12	235	2.89	2	5	ND	1	17	1	2	2	81	.29	.095	4	58	.50	90	.10	3	1.17	.02	.04	1	2	3	4
C L48E 51+00N	1	27	6	100	.2	32	18	349	3.47	6	5	ND	1	20	1	2	2	87	.34	.131	4	62	.63	146	.10	4	1.82	.02	.06	1	1	4	8
C L48E 50+50N	1	40	7	82	.3	42	16	247	3.42	2	5	ND	1	21	1	2	2	90	.34	.121	3	60	.66	159	.10	8	1.79	.02	.06	1	1	3	2
C L48E 50+00N	1	48	4	53	.3	30	14	198	3.36	3	5	ND	1	28	1	2	2	108	.50	.027	4	53	.81	65	.11	2	1.25	.03	.06	1	60	1	10
C L48E 49+75N(A)	1	39	2	38	.1	30	17	186	3.94	3	5	ND	1	28	1	2	2	127	.50	.014	3	68	.79	62	.12	2	1.28	.03	.06	1	7	5	19
C L48E 49+50N	1	82	5	39	.3	33	16	291	3.28	4	5	ND	1	36	1	2	2	85	.71	.010	5	65	.82	106	.10	6	1.65	.03	.09	1	8	2	18
C L48E 49+00N	1	50	2	57	.1	33	18	292	3.81	2	5	ND	1	25	1	2	2	116	.49	.070	3	89	1.09	106	.11	5	1.45	.03	.06	1	13	8	8
C L48E 48+50N	1	48	8	78	.1	40	17	217	3.81	5	5	ND	1	23	1	2	2	104	.42	.086	3	64	.78	112	.11	7	2.05	.03	.06	1	18	6	2
C L48E 47+50N	1	18	2	45	.1	17	11	165	2.63	2	5	ND	1	15	1	3	2	69	.27	.076	2	45	.36	70	.08	2	1.13	.02	.03	1	1	3	2
C L48E 47+00N	1	34	4	79	.2	27	16	194	4.27	3	5	ND	1	21	1	2	2	136	.43	.081	2	46	.72	123	.13	2	1.37	.03	.05	1	3	26	17
C L46E 45+50N	1	22	2	41	.1	19	11	137	2.75	2	5	ND	1	18	1	2	2	73	.35	.019	3	56	.57	50	.10	2	1.17	.02	.03	1	3	12	7
C L46E 45+00N	1	18	6	49	.1	23	11	212	2.63	3	5	ND	1	22	1	2	2	68	.40	.085	3	58	.50	87	.08	4	1.10	.02	.04	2	1	2	2
STD C/FA-5X	18	61	40	132	6.5	70	30	1026	4.09	41	21	7	36	47	18	15	21	57	.50	.094	38	56	.90	175	.06	31	1.99	.06	.13	12	96	103	102

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB	Pt** PPB	Pd** PPB
C L46E 44+50N	1	45	5	56	.1	36	17	204	4.05	10	5	ND	1	26	1	2	2	117	.45	.080	4	78	.75	95	.09	9	1.70	.02	.04	1	1	7	15
C L46E 44+00N	1	54	6	75	.1	25	19	280	4.56	4	5	ND	1	36	1	2	2	145	.56	.080	3	49	.75	108	.10	6	1.67	.03	.05	1	2	29	14
C L46E 43+50N	1	12	5	23	.1	3	5	160	1.37	2	5	ND	1	9	1	2	2	40	.11	.084	2	9	.09	37	.06	3	.47	.01	.03	1	1	1	2
C L46E 43+00N	1	13	5	23	.2	4	5	196	1.62	2	5	ND	1	6	1	2	2	49	.07	.078	2	15	.05	30	.07	2	.49	.01	.02	1	1	3	2
C L46E 42+50N	1	19	9	92	.1	26	16	503	3.54	4	5	ND	1	16	1	2	2	104	.43	.086	2	80	.97	157	.20	2	1.55	.01	.14	1	1	4	2
C L46E 42+00N	1	49	7	91	.1	22	14	208	3.06	4	5	ND	1	13	1	2	3	80	.27	.114	2	48	.63	106	.12	2	1.49	.02	.06	1	2	3	3
C L46E 41+50N	1	41	6	108	.1	16	10	448	1.92	3	5	ND	1	13	1	2	2	54	.29	.057	2	38	.45	124	.09	2	.94	.02	.06	1	2	2	3
C L46E 41+00N	1	52	7	88	.1	46	17	337	2.78	2	5	ND	1	19	1	2	3	64	.39	.090	2	123	1.07	145	.13	9	2.02	.01	.07	1	2	3	3
C L46E 40+00N	1	98	4	81	.1	67	26	312	3.42	5	5	ND	1	21	1	2	2	76	.36	.054	2	100	1.60	85	.14	2	2.32	.01	.05	1	3	3	2
C L46E 39+50N	1	13	6	38	.1	7	5	245	1.11	2	5	ND	1	15	1	2	2	25	.26	.100	2	12	.18	72	.06	2	.72	.01	.04	1	1	2	3
C L46E 39+00N	1	60	2	87	.2	25	18	727	3.04	6	5	ND	1	28	1	2	2	76	.48	.052	5	47	.69	115	.11	2	1.65	.02	.09	1	1	2	2
STD C/FA-5X	17	62	38	132	7.1	65	30	1015	3.93	39	19	7	37	48	17	14	24	57	.47	.088	38	54	.84	176	.06	33	1.93	.06	.14	12	102	99	100

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB	Pt** PPB	Pd** PPB
CAB-89-72	1	17	2	46	.1	102	23	470	3.87	5	5	ND	1	113	1	2	2	125	1.46	.178	2	321	2.99	574	.16	2	2.34	.16	1.10	3	1	8	23
CAB-89-73	1	9	9	48	.1	34	35	473	10.07	7	5	ND	1	47	1	2	2	371	1.10	.027	2	65	1.33	56	.20	2	1.10	.10	.10	3	2	7	3
CAB-89-74	1	177	6	53	.1	9	20	329	6.53	12	5	ND	1	182	1	2	2	255	1.96	.138	2	6	.97	63	.16	2	2.63	.19	.06	1	7	4	7
CAB-89-75	1	4	9	10	.1	2	2	111	.64	5	5	ND	2	27	1	3	2	11	.20	.002	2	3	.12	12	.03	4	.32	.01	.07	1	8	1	2
CAB-89-76	1	134	3	46	.1	3	7	514	2.56	6	5	ND	1	48	1	2	2	105	1.53	.191	5	6	.48	24	.08	4	1.00	.04	.09	1	11	1	4
CAB-89-77	1	20	4	18	.1	68	15	238	2.49	2	5	ND	1	41	1	2	2	75	1.03	.006	2	250	1.84	62	.08	9	1.13	.10	.12	1	8	17	13
CAB-89-78	1	37	6	30	.1	16	11	186	2.33	3	5	ND	1	41	1	2	2	49	.82	.048	2	20	.54	109	.13	3	1.39	.08	.24	1	27	1	2
CAB-89-79	5	160	5	37	.1	12	9	393	1.68	8	5	ND	1	62	1	2	2	64	1.63	.146	3	14	.53	22	.13	17	.95	.06	.10	1	25	4	6
CAB-89-80	1	10	2	57	.1	33	24	400	7.30	7	5	ND	1	98	1	2	2	248	1.45	.138	2	10	1.66	105	.13	12	1.64	.09	.09	1	2	13	19
STD C/FA-5X	18	57	39	131	7.0	65	29	992	3.81	38	18	6	36	47	17	15	17	55	.46	.084	36	53	.83	174	.06	38	1.87	.06	.14	11	99	102	104

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 1-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: ROCK AU** PT** PD** BY FIRE ASSAY AND ANALYSIS BY ICP/GRAPHITE FURNACE. (30 GM)

DATE RECEIVED: AUG 3 1989 DATE REPORT MAILED: Aug 14/89 SIGNED BY. C. Leong ..D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

MINCORD EXPLORATION PROJECT CANIM File # 89-2086

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB	Pt** PPB	Pd** PPB
CAB-89-1	1	7	4	53	.2	91	38	397	9.86	2	5	ND	1	177	1	2	2	312	6.08	.008	2	196	3.88	103	.04	2	.98	.02	.17	1	4	91	4
CAB-89-2	1	4434	2	78	1.5	33	30	726	9.50	72	5	ND	1	106	1	12	5	315	2.52	.014	2	92	.94	51	.01	11	.39	.02	.08	1	63	99	199
CAB-89-3	1	8	7	51	.2	68	33	916	8.52	152	5	ND	1	245	1	2	2	154	8.85	.004	2	95	4.46	75	.01	10	.21	.01	.11	1	144	161	9
CAB-89-4	1	15	3	79	.3	93	47	1016	14.56	7	5	ND	1	129	1	2	2	476	6.21	.016	2	259	3.92	122	.01	10	.75	.01	.10	1	4	254	18
CAB-89-5	1	19	2	29	.1	20	14	408	2.55	2	5	ND	1	32	1	2	2	57	2.27	.017	2	40	1.59	39	.06	2	1.31	.01	.05	1	8	9	4
STD C/FA-5X	18	58	36	134	7.2	68	30	1039	4.15	39	16	7	36	49	18	18	21	59	.49	.090	38	55	.85	177	.07	32	2.00	.06	.13	12	99	96	102

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: ROCK AU** PT** PD** RH** BY FIRE ASSAY & ANALYSIS BY ICP/GRAPHITE FURNACE. 30 GM

DATE RECEIVED: AUG 22 1989 DATE REPORT MAILED: Aug 29/89 SIGNED BY..C. Leong..D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

MINCORD EXPLORATION File # 89-3096

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB	Pt** PPB	Pd** PPB	Rh** PPB
CAB-89-6	1	78	7	29	.1	7	12	240	3.07	2	5	ND	2	92	1	2	2	86	1.60	.076	3	6	.87	82	.16	2	2.39	.17	.17	1	5	1	5	2
CAB-89-7	1	597	5	51	.4	20	30	297	8.20	8	5	ND	3	118	1	2	2	269	2.18	.531	9	22	1.69	311	.13	6	1.42	.09	.36	1	4	8	18	2
CAB-89-8	1	35	4	43	.1	24	28	370	6.88	2	5	ND	1	86	1	2	2	303	1.56	.009	2	22	1.53	44	.25	3	1.99	.08	.12	1	2	3	8	2
CAB-89-9	1	91	2	62	.3	26	29	286	7.71	2	5	ND	1	142	1	2	2	401	1.55	.162	2	8	1.45	29	.13	4	1.94	.03	.04	1	11	49	236	2
CAB-89-10	1	87	2	8	.1	4	5	229	1.01	2	5	ND	2	28	1	3	3	43	.27	.018	2	3	.21	598	.03	11	.34	.07	.04	1	2	1	9	2
CAB-89-11	1	14	2	54	.1	27	28	600	8.04	2	5	ND	1	95	1	2	2	344	1.88	.012	2	34	2.07	87	.28	2	1.99	.21	.20	1	1	11	4	2
CAB-89-12	1	15	2	55	.3	21	30	1031	6.77	45	5	ND	2	146	1	3	2	153	6.94	.062	2	29	2.48	292	.01	14	.51	.01	.13	1	38	14	3	2
CAB-89-13	1	24	2	63	.5	38	40	997	9.44	97	8	ND	3	320	1	2	2	321	7.49	.025	2	15	3.54	45	.01	7	1.18	.01	.19	1	33	5	5	2
CAB-89-14	1	23	2	66	.5	41	38	863	9.35	210	9	ND	4	347	1	2	2	348	7.28	.036	2	19	3.82	29	.01	5	1.62	.01	.08	1	101	14	7	2
CAB-89-15	1	35	5	84	.7	38	47	1054	12.82	107	8	ND	4	283	1	5	2	355	6.40	.160	2	14	2.51	103	.01	11	1.11	.01	.29	2	49	181	10	2
CAB-89-16	1	188	2	46	.3	17	27	381	7.31	2	5	ND	2	166	1	2	2	209	2.68	.549	10	107	1.30	94	.11	3	1.66	.12	.17	1	3	9	2	2
CAB-89-17	1	173	2	48	.2	12	28	425	6.49	3	5	ND	2	149	1	2	2	265	1.96	.264	6	6	1.86	123	.14	3	1.83	.11	.13	1	3	6	2	2
CAB-89-18	1	62	3	11	.1	31	11	168	1.42	2	5	ND	1	18	1	3	3	23	.80	.013	2	183	1.12	28	.04	5	.54	.05	.02	1	1	9	2	2
CAB-89-19	1	4214	3	41	1.4	21	29	425	5.67	2	5	ND	2	128	1	2	2	260	2.15	.033	2	4	2.78	219	.31	8	2.46	.24	.18	1	517	2	6	2
CAB-89-20	3	1902	3	22	1.2	123	138	176	14.49	2	5	ND	2	27	1	2	2	171	.90	.015	2	122	.68	31	.12	8	.65	.02	.05	1	18	39	81	2
CAB-89-21	1	32	2	16	.1	10	9	355	1.79	13	5	ND	1	68	1	2	2	24	2.84	.008	2	5	1.10	28	.01	2	.14	.06	.01	1	9	1	2	2
CAB-89-22	1	13	6	34	.2	4	3	309	.97	2	5	ND	3	47	1	4	2	6	.71	.041	20	3	.07	807	.01	9	.34	.04	.16	1	1	1	2	2
CAB-89-23	1	21	2	79	.3	40	52	826	13.29	6	5	ND	2	120	1	2	2	450	5.69	.005	2	27	3.26	122	.04	3	1.11	.02	.13	1	1	237	14	2
CAB-89-24	1	187	2	22	.1	7	16	267	3.47	2	5	ND	2	101	1	2	2	161	3.03	.352	6	1	1.00	65	.09	16	2.36	.08	.16	1	6	1	2	2
CAB-89-25	1	221	2	45	.3	63	25	479	4.44	2	5	ND	1	147	1	2	2	125	2.40	.245	4	94	2.31	196	.15	3	2.29	.19	.15	1	2	4	11	2
CAB-89-26	1	594	2	17	.1	5	8	179	1.46	3	5	ND	1	127	1	2	2	56	1.17	.062	3	7	.82	219	.11	10	1.11	.10	.16	1	13	1	8	2
CAB-89-27	1	185	2	53	.1	8	26	405	6.66	3	5	ND	1	159	1	2	2	254	2.80	.418	4	4	1.72	49	.11	15	2.86	.08	.10	1	1	1	5	2
CAB-89-28	1	158	2	47	.1	29	23	349	5.28	2	5	ND	1	108	1	2	2	171	2.10	.170	2	99	1.41	61	.18	2	1.66	.13	.11	1	2	5	9	2
CAB-89-29	1	121	2	67	.3	18	42	853	8.63	4	5	ND	1	135	1	5	2	166	5.77	.013	2	2	3.59	359	.01	11	.46	.01	.29	1	18	2	147	2
CAB-89-30	1	465	5	35	.4	29	24	275	6.92	2	5	ND	1	91	1	2	2	311	1.99	.196	2	129	1.70	76	.19	5	1.50	.19	.13	1	10	11	45	2
STD C/FA-5X	19	62	37	133	6.9	75	31	1017	4.16	40	19	6	39	50	18	14	21	61	.50	.089	40	55	.90	182	.07	36	2.07	.06	.13	12	97	100	99	21

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: ROCK AU** PT** PD** BY FIRE ASSAY & ANALYSIS BY ICP/GRAPHITE FURNACE. (30 GM)

DATE RECEIVED: AUG 28 1989 DATE REPORT MAILED: Sept 7/89 SIGNED BY. C. Leong .D.TOYE. C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

MINCORD EXPLORATION File # 89-3255

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB	Pt** PPB	Pd** PPB
CAB-89-31	1	70	3	74	.2	4	23	1148	7.40	2	5	ND	1	167	1	4	2	146	4.51	.172	5	12	1.77	100	.02	11	1.92	.08	.25	1	3	2	5
CAB-89-32	1	59	7	87	.2	5	22	1347	7.37	2	5	ND	1	103	1	5	2	119	4.98	.158	5	12	2.00	182	.01	7	1.65	.01	.25	1	2	1	2
CAB-89-33	1	84	2	68	.2	5	21	1065	7.41	2	5	ND	1	271	1	5	2	150	5.83	.160	4	12	1.80	97	.01	17	1.91	.13	.26	1	3	2	3
CAB-89-34	1	19	2	90	.4	24	37	1024	10.79	2	5	ND	1	175	1	2	2	162	5.54	.083	2	30	4.72	201	.01	9	.36	.01	.20	1	4	4	7
CAB-89-35	1	48	2	21	.1	16	11	694	2.92	3	5	ND	1	46	1	4	2	49	1.19	.056	2	12	.27	83	.01	2	.21	.05	.03	1	6	1	2
CAB-89-36	1	46	6	69	.3	18	24	897	5.97	96	5	ND	1	27	1	5	2	115	.65	.188	8	22	2.13	160	.02	16	2.21	.01	.23	1	542	3	9
CAB-89-37	1	12	3	45	.3	28	24	912	5.78	2	5	ND	1	351	1	8	2	95	6.29	.092	2	49	3.17	144	.03	9	.83	.03	.35	1	5	12	19
CAB-89-38	1	80	2	51	.3	3	24	788	5.57	3	5	ND	1	354	1	5	2	90	6.55	.125	3	11	2.88	73	.01	15	1.05	.01	.32	1	5	1	2
CAB-89-39	1	1088	4	48	.5	4	23	425	6.39	2	5	ND	1	87	1	2	2	287	1.55	.073	2	10	2.05	344	.24	2	1.74	.21	.40	1	3	1	2
CAB-89-40	4	153	2	34	1.0	11	20	447	5.03	211	5	ND	1	76	1	27	2	95	1.44	.175	3	29	.77	66	.01	4	.58	.03	.07	1	78	1	2
CAB-89-41	1	20	5	48	.6	41	44	701	7.94	529	5	ND	1	388	1	14	2	107	8.58	.090	2	40	3.53	18	.01	19	.49	.01	.22	1	778	13	13
STD C/FA-5Z	18	57	37	132	7.1	69	31	1031	4.08	43	22	7	38	50	20	15	19	61	.52	.097	40	59	.89	181	.07	35	2.01	.06	.13	12	96	100	101

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

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- SAMPLE TYPE: ROCK AU** PT** PD** BY FIRE ASSAY AND ANALYSIS BY ICP/GRAPHITE FURNACE. 30 GM

DATE RECEIVED: AUG 30 1989 DATE REPORT MAILED: Sept 7/89. SIGNED BY. C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Mincord Resources Inc. PROJECT CANIM File # 89-3332

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB	Pt** PPB	Pd** PPB
CAB-89-42	2	119	10	31	.1	11	6	320	1.93	3	5	ND	1	86	1	2	2	44	1.37	.139	2	22	.46	25	.12	2	1.31	.05	.07	3	1	5	6
CAB-89-43	1	9	2	70	.3	17	19	1103	7.40	2	5	ND	1	293	1	2	2	127	11.88	.169	2	18	3.71	7	.01	2	.60	.01	.09	1	3	56	6
CAB-89-44	1	16	10	26	.1	14	9	445	2.59	2	5	ND	2	23	1	2	2	63	.75	.065	8	20	.29	113	.01	2	.53	.04	.07	3	1	4	2
CAB-89-45	1	30	2	108	.1	10	17	1295	5.67	2	5	ND	1	37	1	2	2	106	1.45	.135	5	9	.38	100	.01	8	.68	.02	.14	1	1	1	2
CAB-89-46	1	29	4	33	.1	6	7	622	2.09	5	5	ND	1	49	1	13	2	7	1.34	.049	4	6	.08	260	.01	2	.36	.01	.15	1	59	1	2
CAB-89-47	3	147	8	48	.1	6	19	842	4.93	8	5	ND	7	12	1	2	2	35	.50	.189	5	8	.20	53	.01	9	.86	.01	.18	1	3	3	8
CAB-89-48	1	109	2	69	.2	5	15	1164	4.97	2	5	ND	1	50	1	2	2	118	2.12	.194	5	14	1.08	179	.08	4	1.23	.03	.23	2	5	3	10
CAB-89-49	3	19	2	10	.1	5	3	211	.70	2	5	ND	1	27	1	3	4	5	.08	.011	2	7	.03	649	.01	10	.27	.02	.12	1	1	2	2

Appendix 4

Rock Sample Descriptions

Rock Sample Descriptions

The following are descriptions of rocks collected for assay from the Canim property. Unless otherwise noted, all samples are grab samples.

Sample #	Description
CAB-89-1	Altered ultramafic; silicified?, carbonate altered, with 5% biotite (alteration?), magnetite present, minor hematite? gives a purplish hue to rock. (No representative sample kept).
CAB-89-2	Contains 90% plagioclase, cut by quartz stringers 5%, strongly mineralized with 5% chalcopyrite, may have a malachite stain. (No representative sample kept).
CAB-89-3	Altered ultramafic, intensely silicifed, purplish hue possibly hematite?, weakly mineralized trace pyrite as disseminated grains. (no representative sample kept).
CAB-89-4	Altered ultramafic, silicified, carbonate? altered. Strongly mineralized with 10-15% massive magnetite, Pyrite 2-3% as disseminated grains, stringers and blebs. (No representative sample kept).
CAB-89-5	Breccia with felsic intrusive clasts, Pyroxenite/ Hornblendite clasts, contains plagioclase phenocrysts and cut by quartz veins, moderately mineralized 2-3% pyrite (chalcopyrite? oxidized pyrite) as blebs. (No representative samples kept).
CAB-89-6	Trachyte? aphanitic green/grey rock with hornblende? phenocrysts 5%. Weakly mineralized with <1% pyrite as disseminated grains.
CAB-89-7	Sheared Pyroxenite/Hornblendite, contains 5% plagioclase, 10% biotite. Hanging wall of shear with pervasive limonite (No representative sample kept).
CAB-89-8	Fine to medium grained dark green Pyroxenite/ Hornblendite; may have up to 10% plagioclase usually <5%; plagioclase weakly altered, sample is moderately magnetic; <1% fine grained disseminated white metallic mineral (magnetite?).
CAB-89-9	"Pegmatitic" Pyroxenite/Hornblendite; 30-40% plagioclase somewhat altered (sericite? epidote); 5-10% magnetite. Trace chalcopyrite/pyrite as rare very fine disseminated grains.

Sample #	Description
CAB-89-10	Diorite medium grained; 90-95% buff/beige plagioclase; 5-10% mafic minerals (biotite, hornblendite?); cut by quartz veinlets; Trace pyrite as disseminated grains; weathered surface and joint surfaces with limonite coating.
CAB-89-11	Pyroxenite/Hornblendite; medium to coarse grained, cut by plagioclase veinlets; trace epidote replacing? plagioclase; strongly magnetic.
CAB-89-12	Quartz/carbonate altered ultramafic (Pyroxenite/ Hornblendite); coated with limonite; cut by quartz and carbonate veinlets; occasional magnetite blebs present; <1% pyrite present; very rare malachite stains.
CAB-89-13	Altered ultramafic; silicified; cut by quartz stringers; trace pyrite, <5% magnetite altering to hematite?
CAB-89-14	Altered ultramafic; quartz carbonate altered; varies from pale green to beige occasionally pinkish (hematite?); cut by quartz and carbonate stringers; trace pyrite as rare disseminated grains; trace magnetite (altered?).
CAB-89-15	Altered ultramafic; cut by numerous randomly oriented carbonate stringers; trace pyrite as rare disseminated grains.
CAB-89-16	"Pegmatitic" Pyroxenite/Hornblendite; plagioclase rich, 40-60% plagioclase; epidote aggregates occasionally present; trace pyrite?; very rare malachite stains; 5-10% magnetite; limonite staining on weathered surface.
CAB-89-17	"Pegmatitic" Pyroxenite/Hornblendite; 10-40% plagioclase; with 1-2% epidote replacing? plagioclase; <5% biotite; moderately magnetic with +/- 10% magnetite, remainder augite/hornblende; trace pyrite as disseminated grains.
CAB-89-18	Pyroxenite/Hornblendite; coarse grained, green; occurs as xenoliths in "Pegmatitic" Pyroxenite/Hornblendite; contains 5-10% magnetite; +/- 5% biotite; trace pyrite as disseminated grains.
CAB-89-19	"Pegmatitic" Pyroxenite/Hornblendite; dark black; 5% plagioclase; weakly magnetic with 1% magnetite; <1% epidote replacing? plagioclase; up to 5% chalcopyrite usually <1% as disseminated grains up to 3-4 mm; occasional malachite stains.

Sample #	Description
CAB-89-20	Fine grained Pyroxenite/Hornblendite; strongly magnetic; 10-20% pyrite associated with magnetite.
CAB-89-21	Predominantly quartz; beige; contains carbonate stringers; limonite coating on weathered surface; <1% pyrite as disseminated grains and occasional blebs.
CAB-89-22	Intensely silicified ultramafic, almost pure quartz; weathered surfaces with a rusty limonite coating; trace pyrite as rare disseminated grains.
CAB-89-23	Quartz Carbonate altered ultramafic (Pyroxenite/ Hornblendite); light green occasionally with a reddish tinge (hematite?); strongly magnetic with 5% very fine disseminated magnetite grains; occasional coarse grains of biotite; weathered surface with a rusty limonite coating; occasionally cut by quartz stringers.
CAB-89-24	"Pegmatitic" Pyroxenite/Hornblendite; 20-30% plagioclase; 5-10% magnetite; <5% epidote (replacing? plagioclase); trace pyrite as rare disseminated grains.
CAB-89-25	Pyroxenite/Hornblendite; medium grained; <5% plagioclase; weakly magnetic; <1% pyrite and chalcopyrite as fine disseminated grains.
CAB-89-26	"Pegmatitic" Pyroxenite/Hornblendite; 10-50% plagioclase; trace epidote; chlorite? alteration of pyroxene/amphibole; trace chalcopyrite and pyrite as rare aggregates.
CAB-89-27	"Pegmatitic" Pyroxenite/Hornblendite; 20-30% plagioclase; 5% magnetite; <1% epidote as aggregates; trace pyrite, chalcopyrite and bornite? as occasional disseminated grains and aggregates; remainder pyroxenes and amphiboles.
CAB-89-28	Medium grained Pyroxenite/Hornblendite; <5% plagioclase; strongly magnetic; 2% pyrite and chalcopyrite as disseminated grains and aggregates.
CAB-89-29	Altered ultramafic; pale green to beige; weathered surface with limonite coating; silicified; carbonate? altered; cut by numerous quartz and carbonate veinlets; trace biotite as coarse grains; +/- 5% white mica (muscovite?); <5% magnetite as aggregates (only weakly magnetic possibly altered); trace pyrite as rare disseminated grains <1 mm.

Sample #	Description
CAB-89-30	Fine grained Pyroxenite/Hornblendite; black in color; strongly magnetic predominantly fine grained magnetite; trace chalcopyrite/pyrite as disseminated grains and small aggregates; rare malachite staining.
CAB-89-31	Altered Diorite; pale green to grey; silicified; carbonate? altered; occasionally cut by carbonate veinlets with limonite staining; weathered surface with limonite coating; trace pyrite as disseminated grains and aggregates.
CAB-89-32	Altered Diorite, grey green; moderately silicified; rarely cut by carbonate veinlets; carbonate altered? weathered surface with a rusty limonite coating.
CAB-89-33	Altered Diorite; pale green; silicified; carbonate altered; trace chalcopyrite? as very rare blebs up to 1-2 mm in size; weathered surface with rusty limonite coating.
CAB-89-34	Altered ultramafic; pale grey to green occasionally with pinkish tinge (hematite?); silicified; carbonate; altered?; 1% magnetite as very fine disseminated grains; occasionally cut by quartz stringers; weathered surface with limonite coating, trace pyrite as very fine disseminated grains.
CAB-89-35	Sample almost 100% quartz; weathered surface with a thick limonite coating; small cavities filled with limonite; trace pyrite as very rare disseminated grains.
CAB-89-36	Altered Diorite? Subcrop; silicified?; weakly magnetic; occasionally biotite present; limonite coated.
CAB-89-37	Altered Diorite; pale grey green; carbonate altered; weakly silicified? rarely cut by quartz veinlets; weathered surface with limonite coating; trace very fine grained white metallic mineral.
CAB-89-38	Altered "Pegmatitic" Pyroxenite/Hornblendite; composed predominantly of pyroxene/amphibole 60-70%, plagioclase 30-40%; occasionally biotite is present, trace pyrite as very rare disseminated grains; weathered surface with a rusty limonite coating.

Sample #	Description
CAB-89-39	"Pegmatitic" Pyroxenite/Hornblendite; 5-10% plagioclase; 5% biotite books 2-3% magnetite; trace chalcopyrite and pyrite as very rare disseminated grains; very rare malachite stain; 2-3% epidote replacing? plagioclase.
CAB-89-40	Altered "Pegmatitic" Pyroxenite/Hornblendite cut by quartz vein; sample composed almost entirely of quartz; 1% pyrite as disseminated grains and aggregates; weathered surface coated with limonite and limonite filled cavities? in quartz vein.
CAB-89-41	Altered Pyroxenite/Hornblendite Breccia; silicified; carbonate? altered; pale grey green, aphanitic; with 5-10% pyrite as disseminated grains and aggregate: trace chalcopyrite and bornite?
CAB-89-42	Very fine grained Pyroxenite/Hornblendite (Dioritic? up to 40% plagioclase); strongly foliated; occasionally with quartz blebs; weak limonite stains on fracture surfaces; epidote present on fractures.
CAB-89-43	Quartz/Carbonate altered Pyroxenite/Hornblendite; often cut by quartz veinlets; 10% blue/grey very fine grained metallic mineral; weathered surface with a rusty limonite coating.
CAB-89-44	Composed almost entirely of beige plagioclase and quartz; <1% pyrite present as very fine disseminated grains and aggregates; weathered surface with a limonite coating; limonite on fractures.
CAB-89-45	Altered ultramafic; pale green to grey; intensely silicified; carbonate? altered; limonite present on weathered surface and may be pervasive; occasional reddish specks (hematite?) 5% pyrite as very fine grained aggregates.
CAB-89-46	Sample composed almost entirely of quartz; limonite present coating weathered surface and infilling cavities; 1-2% pyrite as disseminated grains and rare blebs.
CAB-89-47	Composed of beige plagioclase? and quartz; coated with limonite which is pervasive infilling cavities?; occasionally chips may have 2-3% pyrite (rock may be an altered Diorite?).

Sample #	Description
CAB-89-48	Altered to unaltered Diorite; Pale buff to black; silicified and weakly carbonate? altered; unaltered rock with 2-3% very fine grained magnetite; altered rock with 1% pyrite as very fine disseminated grains.
CAB-89-49	Sample composed of pure quartz (comes from quartz vein associated with sample CAB-89-48) weathered surface and fractures coated with limonite.
CAB-89-50	Diorite; fine to medium grained; fresh surface medium grey; weathered surface pinkish white; 30% Hornblende; 1-2% epidote (Olivine?); remainder plagioclase; weakly magnetic.
CAB-89-51	Diorite; fine grained; fresh surface medium to dark grey; weathered surface beige; 30% hornblende; 60% plagioclase; 10% epidote; Trace very fine grained disseminated pyrite; sericitic? alteration of plagioclase; in outcrop epidote present along fractures.
CAB-89-52	Hornblende Porphyry; Sample of float; aphanitic matrix with hornblende phenocrysts 3-4 mm in size 20%; 10% rounded quartz eyes; 5-10% pyrite/pyrrhotite? as disseminated grains, discontinuous veinlets and small blebs <1 mm; fresh surface dark grey green; weathered surface mottled olive green.
CAB-89-53	Diorite; fine grained; fresh surface medium grey; weathered surface beige to brown; moderately magnetic; 20% mafic minerals; 80% plagioclase (grey green weak sericite? alteration).
CAB-89-54	Pyroxenite/Hornblendite; subcrop in rocts of overturned tree; medium to coarse grained; fresh surface dark green to black; weathered surface dark brown; moderately to strongly magnetic; serpentinization of mafic minerals.
CAB-89-55	Pyroxenite/Hornblendite; medium to coarse grained; fresh surface black; weathered surface dark grey to black; 1% epidote as rare scattered grains; rare plagioclase veinlets altering? to epidote; <1% plagioclase as disseminated crystals; moderately to strongly magnetic.
CAB-89-56	Pyroxenite/Hornblendite; subcrop; coarse to very coarse grained; fresh surface black; weathered surface dark grey green to black; 5-10% epidote interstitial to pyroxenite crystals, remainder pyroxenite; strongly magnetic.

Sample #	Description
CAB-89-57	Pyroxenite/Hornblendite Breccia; very coarse grained; breccia matrix epidote up to 30%; fresh surface black-green; weathered surface grey green very rarely rusty; <5% plagioclase interstitial to augite crystals.
CAB-89-58	Pyroxenite/Hornblendite; fine to medium grained; fresh surface black to grey green; weathered surface black; <1% plagioclase; 2-3% epidote; serpentine? alteration very weak; strongly magnetic.
CAB-89-59	Hornblende Porphyry; subcrop?; aphanitic matrix with rare hornblende phenocrysts <10%; fresh surface grey; weathered surface light green; 5% angular quartz clasts; weakly foliated; chlorite present on foliation planes; 5-10% pyrite as disseminated grains <<1 mm, blebs up to 1-2 mm; small discontinuous stringers <1 mm wide; moderately to strongly magnetic.
CAB-89-60	Pyroxenite/Hornblendite; fine grained layer within outcrop 80 mm wide striking 355 degrees dipping 82 degrees west; trace (olivine?) epidote as very fine grains fresh surface dark green to black; weathered surface same as fresh but lighter; strongly magnetic.
CAB-89-61	Pyroxenite/Hornblendite; very coarse grained; fresh surface dark green to black; weathered surface as fresh but lighter; strongly magnetic in outcrop 10% magnetite as aggregates up to 25 mm in size; <2% plagioclase as interstitial grains and veinlets; <1% biotite as books up to 7-8 mm; <2% epidote as aggregates of coarse acicular crystals associated with plagioclase; remainder augite/hornblende with serpentine? alteration.
CAB-89-62	Breccia; Matrix medium grained diorite, 50% plagioclase, 50% hornblende may contain patches of epidote up to 0.2-0.3 m in size; Clasts coarse to fine grained pyroxenite/hornblendite with up to 30% magnetite as aggregates up to 5-6 mm in size.
CAB-89-63	Quartz Carbonate altered ultramafic; fresh surface beige; weathered surface rusty brown; limonite coated; weak carbonate altered; silicified quartz flooded cut by numerous quartz veinlets; 5% coarse grained muscovite; 2-3% pyrite as disseminated grains and discontinuous stringers; trace chalcopyrite.

Sample #	Description
CAB-89-64	(Samples 64 and 65 are from a Breccia, sample 64 is of the matrix.) "Pegmatitic" Pyroxenite/ Hornblendite; 80% Hornblende crystals >40 mm in length; 5% coarse grained epidote; 15% plagioclase; weakly magnetic; <1% chalcopyrite as blebs up to 2-3 mm.
CAB-89-65	(Sample is of clasts in Breccia) Pyroxenite/ Hornblendite; very coarse grained; fresh and weathered surfaces grey green; trace chalcopyrite at contact with "Pegmatitic" matrix blebs <1 mm; trace pyrite as disseminated grains <1 mm, which may form diffuse aggregates.
CAB-89-66	Pyroxenite/Hornblendite; subcrop; very coarse grained to "Pegmatitic"; fresh and weathered surfaces black with white specks; 85% hornblende; 10% plagioclase; 5% epidote; trace chalcopyrite as rare disseminated grains < 1 mm in size; strongly magnetic.
CAB-89-67	Carbonate altered ultramafic; aphanitic; fresh surface green; weathered surface rusty brown with limonite coating; strongly magnetic 15% magnetite as aggregates up to 3-4 mm; cut by carbonate veinlets; silicified?
CAB-89-68	"Pegmatitic" Diorite (Gabbro?) intruding Pyroxenite/Hornblendite; fresh surface white with black specks; weathered surface pale rusty brown; 70-80% plagioclase; 5-10% epidote; 10-25% pyroxene; trace biotite as books; trace magnetite as aggregates up to 5 mm; trace pyrite as blebs up to 2-3 mm.
CAB-89-69	Pyroxenite/Hornblendite; fine to medium grained; fresh and weathered surface dark grey green; 20% biotite as books up to 4-5 mm; remainder pyroxene/amphibole; altered (serpentinized?).
CAB-89-70	Pyroxenite/Hornblendite; fine to coarse grained; fresh surface black; weathered surface dark grey; <10% plagioclase; 5% biotite as books up to 7-8 mm; 2-3% epidote where coarse grained; trace chalcopyrite as blebs <1 mm; remainder pyroxene/ amphibole; malachite staining present; strongly magnetic.
CAB-89-71	Peridotite?; fine grained; fresh and weathered surfaces dark green grey; joint surfaces may be rusty; <5% magnetite as large irregular blebs in outcrop; 40% green vitreous mineral olivine?; remainder pyroxene; occasional pyroxene phenocrysts up to 20 mm in length.

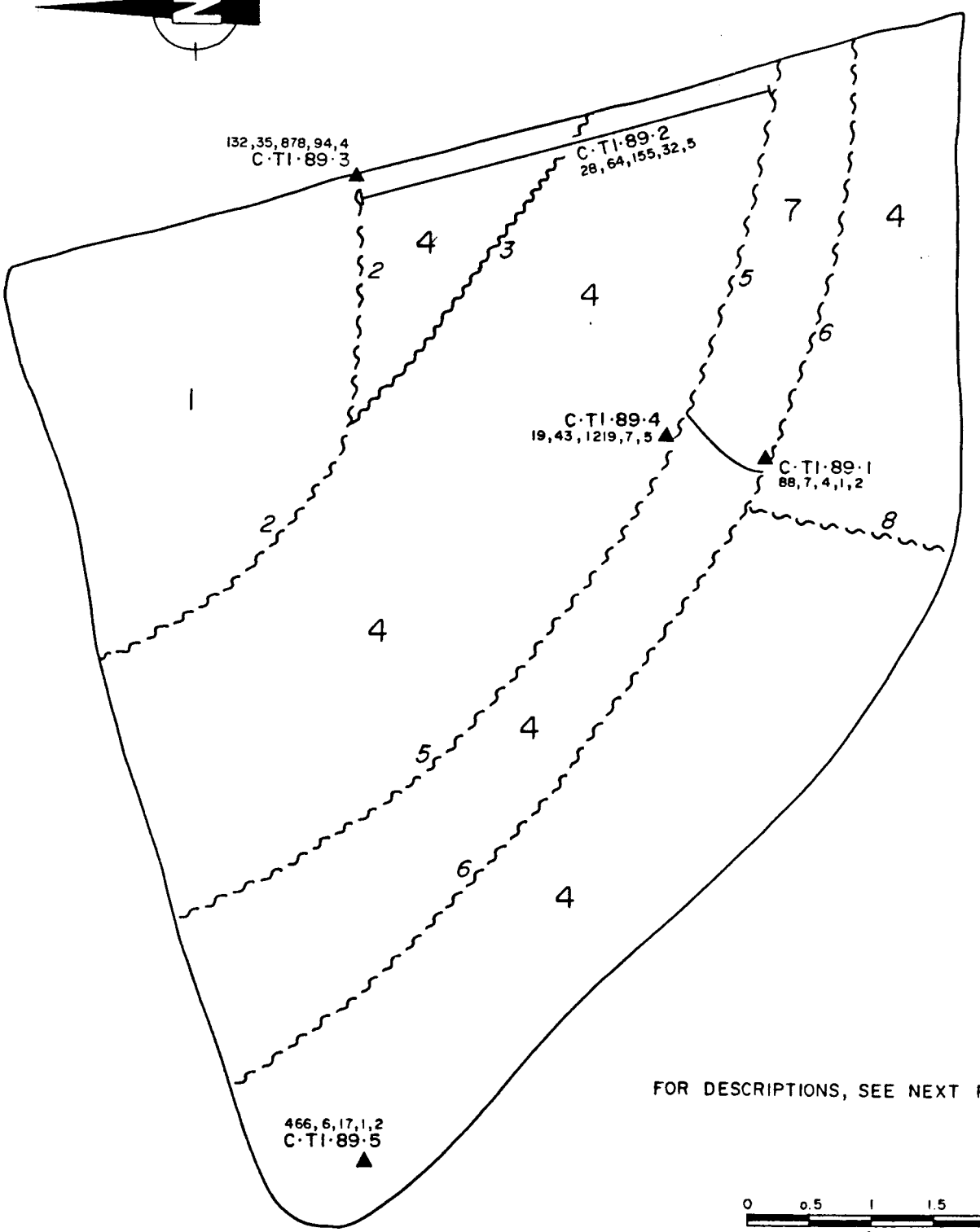
Sample #	Description
CAB-89-72	Pyroxenite/Hornblendite (Peridotite?); fine to medium grained; fresh surface dark green; weathered surface same; augite 70-80%; olivine 20-30%; strongly magnetic.
CAB-89-73	Pyroxenite/Hornblendite (Peridotite); fine to medium grained; fresh and weathered surface dark green to black; Augite 30-70%; olivine? 30-70%; strongly magnetic; in outcrop irregular wavy compositional banding is present; (possibly a layered peridotite.)
CAB-89-74	Diorite; fine grained; fresh surface medium grey; weathered surface white; weak limonite staining on some weathered surfaces; 60% plagioclase; 40% mafic mineral (hornblendite?); weak chlorite alteration of mafic minerals; moderately magnetic; occasionally containing pyroxenite xenoliths.
CAB-89-75	Granite? occurs as a dyke in Diorite/Monzodiorite (CAB-89-76); fine grained; fresh and weathered surfaces pink; silicified?; 40% quartz; 35% k-feldspar; 20% plagioclase; 5% mafic minerals altering to chlorite.
CAB-89-76	Diorite/Monzonite; fine grained; fresh surface medium grey; weathered surface light grey to white; 5% k-feldspar; 70% plagioclase; 25% hornblende; joint planes may have a weak limonite coating; moderately magnetic.
CAB-89-77	Pyroxenite/Hornblendite; coarse grained; fresh surface dark green; weathered surface black; may have weak limonite coating of fracture surfaces; 90-95% coarse grained pyroxene; 5-10% olivine very fine grained; moderately to strongly magnetic.
CAB-89-78	Pyroxenite/Hornblendite; medium to coarse grained; fresh and weathered surfaces clack with white specks; occasionally weak limonite patches on outcrop; 20% plagioclase; 10% biotite as books up to 3-4 mm; <2% epidote as fine grained aggregates; 68% pyroxene; trace pyrite as irregular fine grained blebs up to 5-6 mm in size.
CAB-89-79	Pyroxenite/Hornblendite; very fine grained; fresh surface dark green; weathered surface same but may have a weak limonite coating; 10% feldspar phenocrysts up to 1-2 mm; <5% pyrite as disseminated grains

Sample #	Description
CAB-89-80	Quartz porphyry?; aphanitic; fresh surface dark grey; weathered surface medium grey with weak limonite coating; 20% quartz? fragments <2 mm; trace pyrite as rare disseminated grains.
CAF-1-89	Pyroxenite/Hornblendite; very coarse grained; fresh surface dark green to black; weathered surface same; strongly magnetic; composed entirely of augite?; may be weakly serpentinized?; rare limonite patches present.
CAF-2-89	Pyroxenite/Hornblendite; very coarse grained; fresh surface dark green grey; weathered surface same; strongly magnetic; cut by plagioclase veinlet; plagioclase veinlet with small <<1 mm magnetite grains and trace pyrite; pyroxenite/ hornblendite may be weakly altered.
CAF-3-89	Pyroxenite/Hornblendite; very fine grained; fresh surface dark green to black; 5-10% plagioclase with sericite? alteration; rare carbonate blebs up to 3-4 mm; <5% pyrite as very fine <<1 mm disseminated grains; remainder pyroxene/amphibole.
CAF-4-89	Pyroxenite/Hornblendite; fine to medium grained; fresh surface, medium olive green; weathered surface same but lighter; trace pyrrhotite? as occasional aggregates of very fine grains <2 mm in size; very weakly magnetic (pyrrhotite); remainder pyroxene?
CAF-5-89	Breccia with two types of clasts diorite and pyroxenite; Diorite fine grained, medium grey 40% plagioclase; 60% hornblende; Pyroxenite/ Hornblendite fine to medium grained, dark green to black, strongly magnetic; rock is cut by k-feldspar veinlets, with 5% epidote fine grained blebs; 5% pyrite as blebs up to 10 mm in size.

Appendix 5

Mineral Exposure Maps, Logs

and Sample Descriptions



FOR DESCRIPTIONS, SEE NEXT PAGE

0 0.5 1 1.5 2
metres

C·TI·89·1 Quartz/carbonate veinlet in shear (grab)

C·TI·89·2 Pseudochip across quartz/carbonate altered ultramafic (3m wide)

C·TI·89·3 Rusty shear (grab)

C·TI·89·4 Quartz/carbonate altered ultramafic – 5% py (grab)

C·TI·89·5 Quartz/carbonate altered ultramafic – 1% py (grab)

ASSAYS : Cu(ppm), Ni(ppm), Au(ppb), Pt(ppb), Pd(ppb)

CEPEDA MINERALS INC.

Canim Project
CLINTON M.D., B.C.

Site C·TI·89

MINCORD EXPLORATION CONSULTANTS LIMITED

Date Nov. 1989
N.T.S. 92 P/15
Scale 1 : 50
Figure
By

Site C-T1-89

1. Shear zone striking 130 degrees dipping 60 degrees northeast hosted in a dark brown grey carbonate altered Pyroxenite/Hornblendite.

2. Rusty red pyrite rich shear striking 100 degrees dipping 50 degrees north on east side of site; on north side of site the shear strikes at 130 degrees dipping 60 northeast; shear is 50 mm wide. Sample C-T1-89-3 is a grab from this shear.

3. Fault striking 140 degrees dipping 86 degrees northeast with slickenslides pitching at 5 degrees northwest. Fault appears to run into shear described in 2.

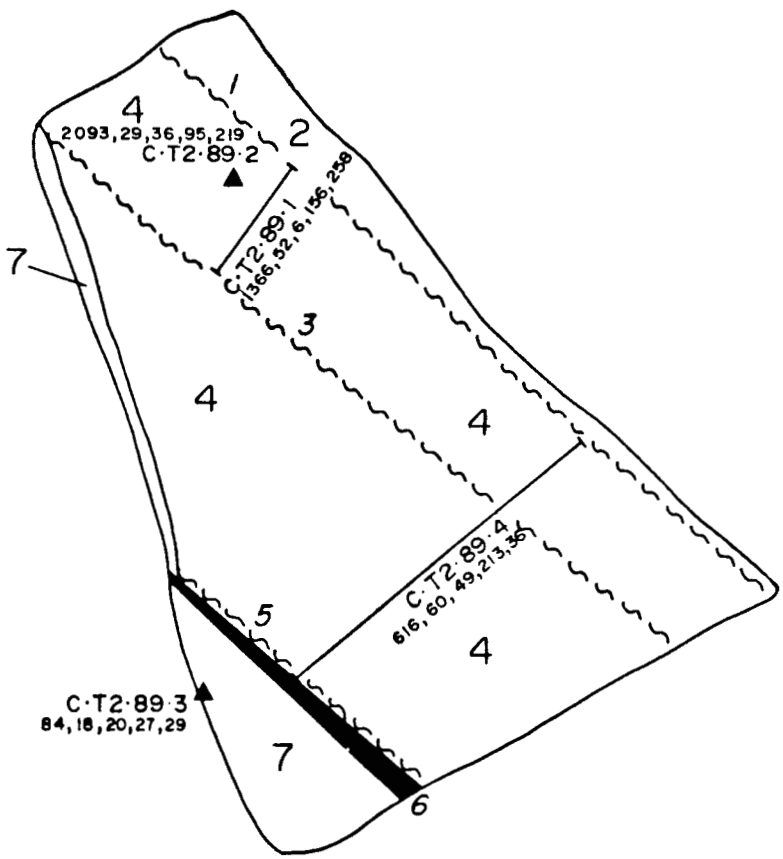
4. Intense quartz/carbonate altered ultramafic. Fresh surface varies from beige to pale green, weathered surface rusty brown and coated by limonite. The ultramafic has been brecciated and resealed by quartz/carbonate veinlets with variable orientations (stockwork?). Irregular patches of pyrite mineralization present, pyrite as subeuhedral grains <1 mm in size locally up to 5% overall trace. This unit rarely display magnetism. Sample C-T1-89-2 is a 3 m wide pseudochip sample taken across this unit on the east side of the site. Samples C-T1-89-4 and C-T1-89-5 are grab samples taken from this unit.

5. Rusty red pyrite rich shear 60 mm wide strike and dip parallel to shear described in 2.

6. Rusty red pyrite shear up to 60 mm wide with a strike and dip parallel to shears described in 2 and 5. Shear hosts a quartz/carbonate veinlet which may be up to 50 mm wide sample C-T1-89-1 is a grab of this quartz/carbonate veinlet.

7. Carbonate altered ultramafic, fresh surface dark green, weathered surface medium green. Strongly magnetic with 5% magnetite as aggregates <2 mm in size, cut by carbonate veinlets, hematite staining present.

8. Shear zone 50 mm wide striking 190 degrees and dip varying from 80 degrees to 90 degrees east or west.



C·T2·89·1	0.9m wide chip sample
C·T2·89·2	high grade grab sample
C·T2·89·3	grab sample
C·T2·89·4	2.1m wide chip sample

ASSAYS : Cu(ppm), Ni(ppm), Au(ppb), Pt(ppb), Pb(ppb)

FOR DESCRIPTIONS SEE NEXT PAGE

0 0.5 1 1.5 2
metres

CEPEDA MINERALS INC.

Canim Project
CLINTON M.D., B.C.

Site C·T2·89

MINCORD EXPLORATION CONSULTANTS LIMITED

Date Nov. 1989	N.T.S. 92P/15
Scale 1 : 50	Figure
By	

Site C-T2-89

1. Rusty pyrite shear striking 130 degrees dipping 68 degrees northeast.

2. Pyroxenite/Hornblendite, medium grained, fresh surface dark green, weathered surface same but may have a weak limonite stain. Strongly magnetic with 5% coarse grained magnetite. Chlorite? and serpentine? alteration. Occasionally "Pegmatitic" Pyroxenite/Hornblendite present, in places unit is sheared.

3. Rusty pyritic shear striking 126 degrees dipping 64 degrees northeast.

4. Quartz/carbonate altered ultramafic, fresh surface mottled green to grey, weathered surface with thick limonite coating. Locally up to 10% chalcopyrite as aggregates. Containing trace white mica as books up to 3-4 mm. Cut by chaotic quartz and carbonate veinlets with random orientations (stockwork?). Locally up to 10% pyrite as aggregates. Orientation of alteration zone 140 degrees appears to be widening with depth and to the east as suggested by shear contacts described in 1 and 5. Samples C-T2-89-1 and C-T2-89-4 are respectively 0.9 m and 2.1 m wide chip samples across this unit. Sample C-T2-89-2 is a high grade grab sample from this unit.

5. Shear zone striking 128 degrees dipping 62 degrees southwest on east end of site and 64 degrees southwest on west end of site. (Possibly two shears?).

6. Quartz veinlet <0.15 m wide parallel to shear described in 5.

7. Sheared Pyroxenite/Hornblendite, coarse grained, fresh surface black, 5-10% biotite as coarse books. Sample C-T2-89-3 is a grab sample from this unit.

SITE SAMPLE DESCRIPTIONS

The following are descriptions of samples taken from the two mineral exposures excavated on the property. Unless otherwise noted all samples are grab samples.

Sample #	Description
C-T1-89-1	Quartz carbonate veinlet; <5 cm wide; striking 100 degrees to 130 degrees, dipping 50 degrees to 60 degrees north; white to pale green; contains rusty limonite coating on cleavage planes and fractures; composed primarily of quartz but with carbonate veinlets and crystal. (Grab).
C-T1-89-2	Quartz carbonate altered ultramafic; fresh surface pale green to beige; weathered surface rusty with limonite coating; Brecciated and resealed by quartz and carbonate veinlets with variable orientations; irregular patchy pyrite as disseminated sub-euhedral grains up to 5%; rarely magnetic. (3 m pseudochip sample).
C-T1-89-3	Rusty gouge from shear in an ultramafic; rusty shear 50 mm wide. (Grab).
C-T1-89-4	Quartz carbonate altered ultramafic; breccia; fresh surface green to grey; weathered surface with rusty limonite coating; contains chaotic quartz carbonate veinlets; chlorite stringers present infilling fractures?; 5% pyrite as disseminated subeuhedral grains <1 mm and aggregate of grains up to 5 mm. (Grab).
C-T1-89-5	Carbonate altered ultramafic; dark green; fine grained; cut by randomly oriented carbonate veinlets; trace pyrite as rare disseminated grains; weathered surface with pervasive limonite stain up to 20 mm thick. (Grab).
C-T2-89-1	Quartz Carbonate altered ultramafic; fresh surface mottled green to grey; weathered surface with a thick limonite coating; mostly non-magnetic but rare magnetite grains present; rare books of muscovite and biotite up to 5 mm; weak hematite staining present; cut by plagioclase, quartz and carbonate veinlets with random orientations; often plagioclase and quarz veinlets with chalcopyrite; overall 1% chalcopyrite, locally up to 10% as grains up to 2-3 mm; pyrite up to 5% locally, overall 1%, as aggregates of subeuhedral grains. (0.9 m chip sample).
C-T2-89-2	Quartz carbonate altered ultramafic as described above, except 10% chalcopyrite. (Grab)

Sample #	Description
C-T2-89-3	Sheared Pyroxenite/Hornblendite; medium grained; fresh surface black; 5% plagioclase; 10% biotite; 85% pyroxene. (Grab. no representative sample kept.)
C-T2-89-4	Quartz Carbonate altered ultramafic same as C-T2-89 1 and 2 except no chalcopyrite present. (2.1 m chip sample).

Appendix 6

Diamond Drill Logs, Sample Descriptions and Pseudosections

DIAMOND DRILL LOGS

The following are the drill logs for the diamond drill holes S-1 through S-8 done on the Sheri Claims by Pickands Mather and Co. in 1974.

DDH S-1

Meterage From	To	Description
0.0	6.4	Overburden
6.4	17.4	Altered Pyroxenite/Hornblendite; coarse to medium grained; < 10% plagioclase containing epidote, chlorite?, sericite? alterations; biotite content variable; fibrous blue amphibole (actinolite?) associated with carbonate veinlets and magnetite; 20% magnetite present. Unit is weakly fractured with carbonate veinlets infilling fractures; occasional quartz/carbonate veinlets present. Trace chalcopyrite present as disseminated grains. At 17.1 m: 0.15 m wide quartz/carbonate vein, HW to core axis 50 degrees, FW TCA 34 degrees, no magnetite present but 30% actinolite? 1% pyrite as disseminated grains < 1 mm rarely up to 2 mm in size.
17.4	20.0	Altered Pyroxenite/Hornblendite medium to fine grained; weakly fractured, fractures may have slickensides, and chlorite coatings. Trace epidote, at 18.3 m epidote present in quartz/carbonate veinlet. Biotite present < 5%; magnetic but less than previous unit. Trace pyrrhotite present and trace small grains of hematite.
20.0	21.0	Mixed speckled and coarse Pyroxenite/ Hornblendite. Speckled from 20.0-20.4 m; coarse from 20.4-20.7; speckled from 20.7 - 21.0 m. Speckled variety is coarse grained with 40-60% plagioclase which is altered (sericite? argillic?) also occasionally with epidote alteration. Remainder is mafic minerals hornblende, pyroxene? and magnetite. Coarse altered Hornblendite/Pyroxenite is mottled green/black; carbonate altered; weakly fractured with trace carbonate veinlets filling fractures; also fracture cavities present angular and < 3 mm in size. Trace epidote present and 10-20% magnetite.
21.0	24.1	Altered Pyroxenite/Hornblendite, grey/green, medium grained; weakly fractured with carbonate veinlets infilling fractures and chlorite on fractures; moderately magnetic. Vitreous green mineral present (Olivine?) Lithological sample taken.

Meterage From	To	Description
21.0 to 24.1 Cont.		At 23.9 m: 2 cm wide quartz/carbonate veinlet at 10 degrees TCA with biotite on its margins.
24.1 to 27.4		Altered Pyroxenite/Hornblendite, mottled green black, coarse grained; shear zones with epidote and serpentine? alteration. Carbonate veinlets present as fracture fill. At 24.5 to 24.6 m: trace pyrite as disseminated blebs. At 24.6 to 24.8 m: aggregates of biotite crystals present.
27.4 to 28.5		Altered Pyroxenite/Hornblendite; strongly foliated (sheared); strongly to moderately magnetic; strong epidote alteration, cut by chaotic carbonate stringers; chlorite alteration present on fractures.
28.5 to 46.7		Core Missing.
46.7 to 54.0		Altered "Pegmatitic" Pyroxenite/Hornblendite; mottled green and black with white grains of plagioclase. Patchy chlorite? alteration; epidote as patches and replacing? carbonate veins. Rock cut by carbonate veinlets with variable orientations. Pyrite present as fracture fill and disseminated grains; trace chalcopyrite; total sulphides < 1%; occasionally up to 10% pyrite locally.
54.0 to 62.5		Altered Pyroxenite/Hornblendite; mafic rich compared to previous unit (less altered?). Epidote as stringers and patchy chlorite alteration. Carbonate stringers with variable orientations (infilling fractures). Plagioclase < 5% giving rock a speckled appearance. Base of unit with plagioclase blebs grading into underlying unit. Trace pyrite and chalcopyrite usually as disseminated grains occasionally as diffuse stringers.
62.5 to 68.9		Diorite, containing 90% plagioclase and 10% mafic minerals biotite and actinolite? Plagioclase milky white (argillic? altered). Occasional fractures often parallel to core axis containing biotite and chlorite; trace chalcopyrite and pyrite present. At 62.5 m: 0.5 m with 10% Pyrite as coarse grains up to 1.0 cm or as stringers and blebs up to 2 - 3 cm. At 68.9 m: 1.0 cm wide quartz/carbonate stringer at 10 degrees to core axis.

Meterage From	To	Description
68.9	75.3	"Pegmatitic" Pyroxenite/Hornblendite. Altered with patches of chlorite, and epidote filling fractures and as irregular patches. Upper 0.6 m of unit is a breccia intruded by diorite with coarse biotite, pyrite cubes, and 10% magnetite. Plagioclase up to 40% giving rock a mottled appearance. Overall unit is weakly magnetic with < 2% magnetite.
75.3	76.5	Diorite as described at 62.5 to 68.9 m. Upper part of unit marked by a 2 cm wide, vuggy, unmineralized, quartz/carbonate vein at 10 degrees to core axis.
76,5	90.2	Altered "Pegmatitic" Pyroxenite/Hornblendite. Upper contact sheared with intense chlorite alteration, epidote present as crystal aggregates; quartz/carbonate blebs present and occasional magnetite blebs the unit varying from weak to moderately magnetic.
90.2	91.5	Core missing.
		End of hole.

DDH S-2

0.0	9.1	Overburden
9.1	10.4	Altered Pyroxenite/Hornblendite, grey green, fine to medium grained; weakly fractured with carbonate infilling fractures; biotite as crystal aggregates up to 3-4 cm; chlorite? alteration of mafic minerals; 1-2% unaltered coarse grained hornblende crystal aggregates; +/- 10% magnetite aggregates. Sharp contact with lower unit.
10.4	26.2	"Pegmatite" Pyroxenite/Hornblendite; 70-95% mafic minerals (Hornblende, Augite?, Magnetite, Biotite; 30-5% white plagioclase; epidote replacing?plagioclase; chalcopyrite <1% as disseminated grains rimming plagioclase and magnetite grains occasionally within hornblende crystals, trace pyrite and pyrrhotite? Lithological sample taken 52-89-L1 at 17.4 m (For additional description see Pickands Mather drill logs Drill Hole 5-2, Sheet 1, 34'-86'.
26.2	27.7	Fault gouge of "Pegmatitic" Pyroxenite/ Hornblendite. Measured width 0.9 m, core recovery 60%. Very strongly altered chlorite and serpentine? Weak limonite staining with darker brown contorted limonite veinlets.

Meterage From	To	Description
26.2	27.7 Cont.	Carbonate veinlets and stringers present in basal part of unit where rock has been strongly sheared. <5% biotite and trace magnetite present. Slickensided fault plane oriented at 7 degrees to core axis. Trace chalcopyrite as disseminated grains.
27.7	28.4	Altered Hornblendite/Pyroxenite, fine to medium grained, weak to moderately chlorite altered (similar to 9.1-10.4 m). Weakly fractured with carbonate/limonite infilling fractures, biotite aggregates associated with fractures, strongly magnetic and no sulphides.
28.4	29.0	Altered Pyroxenite/Hornblendite, similar to previous unit but more strongly altered. Unit is weakly magnetic; coarse grained disseminated biotite present; carbonate infilling fractures as veinlets and stringers up to 2 mm wide usually <1 mm. Contact with underlying unit is sheared.
29.0	29.6	"Pegmatitic" Pyroxenite/Hornblendite as described at 10.4-26.2 m. Contains trace coarse grained books of biotite, strongly magnetic with trace disseminated chalcopyrite veins.
29.6	32.0	Altered Pyroxenite/Hornblendite, strongly altered and sheared. Upper 0.3 m of unit with 30% fine grained biotite thereafter biotite 5-10% as coarse books up to 1 cm in size; weakly magnetic. Blebs of hematite present (altered magnetite?) weakly fractured with carbonate veinlets infilling fractures at 31.1 m: quartz/carbonate stringer present.
32.0	32.3	"Pegmatitic" Hornblendite (Pyroxenite?). 90% hornblende; 10% white plagioclase; weakly magnetic; trace biotite as coarse grained books; trace chalcopyrite as disseminated grains.
32.3	33.5	Altered Pyroxenite/Hornblendite. Upper 0.3 m and basal 0.4 m of unit intensely sheared otherwise strongly sheared; carbonate stringers throughout predominantly in intensely sheared rock; patches of limonite staining throughout core best developed in intensely sheared rock; 5% hematite blebs (altered magnetite?); 10% biotite as coarse grained books; entire unit strongly altered; trace pyrite coating fractures.

Meterage From	To	Description
33.5	40.9	Intensely altered Pyroxenite/Hornblendite; coarse grained biotite books 20%; randomly oriented carbonate veinlets infilling fractures; occasional <3% magnetite blebs; weakly magnetic. At 37.2 m and 40.9 m: quartz/carbonate veinlets up to 4 cm wide; basal 0.1 m of unit beige in color (carbonate? altered).
40.9	41.2	Diorite; 80% plagioclase feldspar; remainder includes a green fibrous amphibole (actinolite?), coarse grained biotite, magnetite blebs and chlorite.
41.2	42.7	"Pegmatitic" Pyroxenite/Hornblendite; 60-90% augite/hornblende; 10-40% white plagioclase; coarse grained books of biotite associated with slickensided fracture planes; trace chalcopyrite as disseminated grains.
42.7	47.6	Strongly altered Pyroxenite/Hornblendite; intense chlorite alteration associated with slickensided shear planes; 10-20% biotite; in parts of core up to 10% magnetite occasionally altered to hematite; randomly oriented carbonate veinlets infilling fractures and may have limonite staining. At 45.8 m: pyrite as fine grained veinlets. Basal 0.3 m of unit with pervasive limonite staining and weakly foliated?
47.6	55.8	Porphyritic Rhyolite?; hanging wall 30 degrees to core axis, footwall 45 degrees to core axis; grey aphanitic rock with phenocrysts of plagioclase; rounded quartz? grains; rock is fractured, fractures filled with carbonate and pyrite veinlets; rock covered by specks of limonite (possibly due to condensation in core box).
55.8	65.9	Altered Pyroxenite/Hornblendite; varies from intensely sheared to non sheared; chlorite, biotite and serpentine alteration; argillic? alteration present where intensely sheared; magnetite blebs altering to hematite where intensely sheared; carbonate veinlets filling fractures; pyrite associated with intense alteration. At 64.0 m: fracture surface with trace chalcopyrite.

Meterage From	To	Description
65.9	68.3	Altered Pyroxenite/Hornblendite; weakly fractured with carbonate infilling fractures, they may have limonite on vein margins; chlorite and biotite alteration; occasional hematite blebs (altered magnetite?).
68.3	80.2	"Pegmatitic" Pyroxenite/Hornblendite; some mafic minerals with distinct 90 degrees clevage angle (Pyroxene); 68.3 to 45.0 m 10-30% plagioclase, 75.0 to 80.2 m <10% plagioclase and smaller grain size; epidote and chlorite present replacing? plagioclase; weakly fractured with carbonate filling fractures; contains coarse grained biotite books; 5% magnetite as aggregates. At 68.3 to 75.0 m: trace chalcopyrite as disseminated grains; At 75.6 m: diorite dyke with chlorite? and epidote alteration of mafics, HW TCA 48 degrees, FW TCA 53 degrees.
80.2	94.8	Core missing.
94.8	96.6	Noted on Box "Core dropped in Transit" Coarse grained altered Pyroxenite/Hornblendite; Chlorite? altered; biotite books forming aggregates up to several cm in size; moderately to strongly magnetic; weakly fractured carbonate veinlets infilling fractures.
96.6	106.7	Core Missing. End of hole.

DDH S-3

0.0	7.3	Overburden
7.3	15.2	Altered Pyroxenite/Hornblendite having "Pegmatitic" sections with 10% plagioclase and trace epidote; occasional quartz? stringers; patchy chlorite? alteration; moderately magnetic; trace chalcopyrite as very rare disseminated grains; at 8.4 m bornite bleb 0.5 cm in size.
15.2	17.1	"Pegmatitic" Pyroxenite/Hornblendite with 10-40% plagioclase; trace epidote: weak chlorite? alteration of mafic minerals; weakly fractured with carbonate infilling fractures; trace chalcopyrite as rare disseminated grains. At 16.8 m: fine grained Pyroxenite/Hornblendite present.

Meterage From	To	Description
17.1	43.9	Altered Pyroxenite/Hornblendite with a biotite, chlorite, serpentine? groundmass; locally 30-40% magnetite, may be altered to hematite; fractured with carbonate infilling fractures; chalcopyrite often present as disseminated grains locally from trace to 2%. At 17.1 to 20.1 m: quartz/carbonate veinlets up to 1.5 cm wide, orientations usually within 10 degrees of core axis. At 32.4 m: plagioclase vein 2 cm wide with angular shards of country rock (Breccia); epidote and chlorite present replacing? plagioclase. At 34.6 to 35.6 m: weak to intense carbonate alteration at 35.2 m alteration most intense when rock is brecciated; clasts may be silicified; 2 cm wide quartz vein present oriented 45 degrees to core axis also trace disseminated pyrite present; patchy limonite staining most intense around carbonate veins. At 35.3 to 41.5 m: carbonate veinlets common composing 5-10% of core. At 39.3 to 39.5 m: plagioclase/carbonate veinlet chalcopyrite associated with veinlet margins. At 41.5 to 43.9 m: altered Pyroxenite/Hornblendite containing bands of "Pegmatitic" Pyroxenite/Hornblendite, gradational change into the next unit.
43.9	61.0	"Pegmatitic" Pyroxenite/Hornblendite; 10-20% plagioclase, trace epidote replacing? plagioclase; trace biotite as coarse grained books; up to 10% magnetite present locally; weakly fractured throughout, carbonate veinlets infilling fractures. At 44.7 to 44.9 m: altered Pyroxenite/Hornblendite (as previous unit) continued gradational change. At 45.6 to 46.0 m: trace chalcopyrite as randomly disseminated grains. At 48.2 to 50.9: fault zone, fracture surfaces with slickensides and sheared. At 50.6 to 50.75 m: 90% plagioclase. At 56.1 m: 0.1 m foliated and carbonate altered zone with 3-4% pyrite as disseminated grains and veinlets. At 56.3 m: 0.1 m composed of 80-90% plagioclase/carbonate containing cavities (vugs?) with trace epidote and hematite.

Meterage From	To	Description
43.9 to 61.0 Cont.		At 59.8 to 61.0 m: plagioclase rich zones alternating with "Pegmatitic" Pyroxenite/ Hornblendite; plagioclase rich zone 80-90% plagioclase often with cavities (vugs?) incompletely filled with calcite; actinolite present; limonite filled fractures.
		End of hole.

DDH S-4

0 to 4.3	Overburden
4.3 to 11.0	Core missing.
11.0 to 16.5	Altered Pyroxenite/Hornblendite; weakly to moderately magnetic. (Core box damaged on left end pieces of core missing).
	At 14.0 to 16.5 m: patchy weak to moderate carbonate alteration; cut by carbonate veinlets with random orientation; 1-2% pyrite as very fine disseminated grains.
16.5 to 17.4	Intense carbonate altered Pyroxenite/ Hornblendite (readily fizzes when HCL applied); fractured with carbonate veinlets filling fractures; <1% pyrite infilling fractures and as very fine disseminated grains.
17.4 to 25.6	Altered Pyroxenite/Hornblendite with occasional "Pegmatitic" sections; with patchy carbonate alteration in Pyroxenite/Hornblendite; fractured with carbonate infilling fractures; biotite aggregates present; trace chalcopyrite and pyrite as disseminated grains and blebs where rock is carbonate altered.
	At 18.0 m: massive magnetite bleb altering to hematite.
25.6 to 29.3	"Pegmatitic" Pyroxenite/Hornblendite; 10-20% plagioclase; 5% magnetite, trace epidote replacing plagioclase; 10% biotite as books.
29.3 to 32.3	Alternating "Pegmatitic" Pyroxenite/Hornblendite and altered Pyroxenite/Hornblendite as described in previous two units; fractured with carbonate infilling fractures; altered Pyroxenite/Hornblendite with carbonate alteration.
32.3 to 55.5	Core missing.

Meterage From	To	Description
55.5	61.0	Mixed "Pegmatitic" Pyroxenite/Hornblendite and altered Pyroxenite/Hornblendite as previously described; occasional plagioclase rich zones with up to 90% plagioclase <0.2 m in length and may contain biotite books; patches of weak argillic? alteration with hematite and limonite staining; weakly fractured with carbonate veinlets filling fractures; trace chalcopyrite as disseminated grains. At 59.1 to 59.9 m: core strongly sheared, fault? zone. End of hole.

DDH S-5

0.0	4.3	Overburden
4.3	11.6	Altered Pyroxenite/Hornblendite; groundmass chlorite and serpentine? altered; moderately magnetic 10-20% magnetite present; cut by randomly oriented carbonate veinlets; patches of carbonate alteration present.
11.6	12.5	Strongly sheared altered Pyroxenite/ Hornblendite, (fault? zone); shear parallel to core axis; pervasive carbonate alteration present; carbonate clasts present; basal 0.1 m of unit with hematite staining. At 12.1 to 12.5 m: white and pinkish quartz clasts present.
12.5	13.1	Sheared altered Pyroxenite/Hornblendite with hematite cement; <1% pyrite as disseminated grains.
13.1	17.1	Highly brecciated sheared rock (shear/fault? zone), probably altered Pyroxenite/ Hornblendite?; occasional patches of carbonate alteration; pyrite as disseminated fine grains, overall ,1% locally up to 4%; Trace chalcopyrite as very rare grains. At 14.8 to 16.3 m: quartz flooded almost pure pinkish and white silica 1% chalcopyrite? (oxidized pyrite) as disseminated grains and occasional blebs.
17.1	20.1	Altered Pyroxenite/Hornblendite; chlorite, serpentine? and carbonate altered; 30% biotite present; moderately fractured with randomly oriented carbonate veinlets infilling fractures; moderately magnetic with 5% magnetite altering to hematite.

Meterage From	To	Description
17.1	20.1 Cont.	At 17.1 to 18.0 m: fractures with well developed slickensides, continuation of fault zone.
20.1	21.0	"Pegmatitic" Pyroxenite/Hornblendite; 40-70% plagioclase; 5% biotite as books; 5% magnetite; remainder coarse grained pyroxene/hornblende; trace epidote and chlorite in plagioclase; trace pyrite as very rare disseminated grains.
21.0	30.2	Mixed "Pegmatitic" and altered Pyroxenite/ Hornblendite; biotite present; patchy chlorite alteration in altered P/H; where "Pegmatitic" epidote replacing? plagioclase; +/- 20% magnetite which occasionally is altered to hematite; carbonate alteration of both rock types; weakly to strongly fractured with carbonate veinlets infilling fractures. At 26.8 m: shear, fracture filled with carbonate and epidote. At 27.4 m: shear At 28.4 m: fracture with slickensides at 10 degrees to core axis with hematite coating fracture surface.
30.2	30.8	"Pegmatitic" Pyroxenite/Hornblendite; 80% plagioclase; 20% mafic minerals including biotite books, coarse grained augite/hornblende crystals and epidote; fracture? cavities present being infilled by quartz.
30.8	38.1	Mixed "Pegmatitic" and altered Pyroxenite/ Hornblendite approximately 8% "Pegmatitic" sections up to 0.3 m wide; altered P/H with patchy chlorite alteration; carbonate alteration present strongest where chlorite alteration present; weakly fractured with carbonate infilling fractures; up to 20% magnetite present; biotite present in "Pegmatite" rarely in altered P/H. At 32.7 m: 10% epidote; small hematite stringers also present.
38.1	38.4	"Pegmatitic" Pyroxenite/Hornblendite; 10-20% plagioclase; 80-90% pyroxene/hornblende in upper part of unit with 80-90% biotite present in basal part of unit; trace magnetite present; chalcopyrite? present.
38.4	38.6	Pinkish white quartz veinlet; selvage of a soft fibrous blue mineral (actinolite?) at top of veinlet with 5% scattered throughout veinlet; trace biotite present as very fine grains.

Meterage From	To	Description
38.6	39.3	"Pegmatitic" Pyroxenite/Hornblendite; augite/ hornblende chlorite? altered; trace coarse grained biotite present; unit has been sheared (Fault?).
39.3	39.9	"Pegmatitic" Pyroxenite/Hornblendite; upper 0.1 m of unit with plagioclase veinlets; contains trace chalcopyrite as disseminated grains.
39.9	41.2	"Pegmatitic" Pyroxenite/Hornblendite; 10-20% plagioclase; remainder mafic minerals; shear present running parallel to core axis, chlorite present on shear; strongly magnetic, magnetite altering to hematite along shear.
41.2	48.5	Mixed "Pegmatitic" and altered Pyroxenite/ Hornblendite; chlorite and carbonate? altered; plagioclase and quartz, injections up to 0.2 m wide, and may contain a blue fibrous mineral (actinolite?). At 44.2 to 44.5 m: coarse hornblende crystals chlorite? altered; weakly fractured with carbonate infilling fractures; trace pyrite and pyrrhotite? present. At 47.55 m: plagioclase quartz injection with trace pyrrhotite? magnetite and biotite present. At 47.6 to 47.9 m: shear with hematite present.
48.5	48.8	Aphanitic Quartz Diorite Dyke; very similar to quartz/plagioclase injections; quartz filled fractures; upper contact slickensided with hematite coating; lower contact chlorite coated. At 48.6 m: coarse fibrous amphibole aggregate (actinolite?).
48.8	61.5	Mixed altered Pyroxenite/Hornblendite and "Pegmatitic" Pyroxenite/Hornblendite; altered Pyroxenite/Hornblendite with chlorite, serpentine and carbonate alteration; strongly magnetic 10% magnetite; trace biotite. At 55.2 to 55.3: Quartz/Plagioclase injection upper contact brecciated; with chaotic hematite stringers; a single magnetite aggregate present; actinolite aggregates; fracture cavities; basal contact a shear. At 57.3 to 57.7: "Pegmatitic" Plagioclase rich zone; 90% plagioclase remainder pyroxene/hornblende, magnetite and actinolite?; (actinolite chlorite altered?). Plagioclase with pale greenish tinge.

Meterage From	To	Description
48.8	61.5 Cont.	At 60.2 to 60.45: "Pegmatitic" Plagioclase rich zone as above; actinolite aggregates and chalcopyrite blebs; biotite present.
61.5	89.6	Predominantly altered Pyroxenite/Hornblendite with plagioclase rich "Pegmatitic" sections; plagioclase rich zones may contain vugs, trace epidote, actinolite aggregates, 5% magnetite as aggregates; altered Pyroxenite/Hornblendite with patchy chlorite and carbonate alteration, strongly magnetic; occasional biotite aggregates up to 5% locally; trace epidote veinlets locally up to 5% associated with shears; weakly fractured throughout with carbonate veinlets filling fractures. At 61.5 to 62.8 m: shear parallel to core axis. At 66.5 m: hematite coated shear. At 75.0 to 75.5 m: strong shear parallel to core axis with epidote and carbonate veinlets parallel to shear hematite coating shear. At 77.1 to 78.0 m: strong shear parallel to core axis as described above. At 78.4 to 78.8 m: shear at 37 degrees to core axis. At 78.9 m: Quartz vein 1.5 cm wide at 37 degrees to core axis. At 83.8 to 84.8 m: rock weakly sheared epidote veinlets and carbonate filled fractures with a preferred orientation of 40-45 degrees to core axis. At 86.2 m: slickensides on shear at 75 degrees to core axis with hematite, epidote and carbonate coating shear. At 87.2 to 89.6 m: weakly sheared, shears with slickensides throughout.
89.6	91.5	Fault zone; strongly sheared and chlorite altered; hematite, quartz, and epidote in groundmass; occasional magnetite grains; slickensided surfaces clay altered; chaotic carbonate veinlets present. End of hole.

DDH S-6

0	3.4	Overburden
3.4	21.3	Altered Pyroxenite/Hornblendite; fine grained; weakly magnetic with scattered aggregates of magnetite which may be altering to hematite; weakly fractured throughout with carbonate veinlets infilling fractures; chlorite and carbonate? alteration.

Meterage From	To	Description
3.4 to 21.3 Cont.		At 3.7 to 6.2 m: core ground up sheared?; numerous carbonate veinlets present. At 6.2 to 8.2 m: serpentinized? trace pyrite on fracture surfaces; cut by carbonate stringers. At 11.8 to 13.1 m: core moderately foliated (shear?) with a quartz vein at 12.1 m, quartz clasts present below quartz vein; carbonate veinlets present. At 15.5 m: intense carbonate alteration associated with carbonate veinlet at 42 degrees to core axis. At 16.4 m: carbonate alteration associated with shear and carbonate veinlets at 38 degrees to core axis. At 21.1 to 21.3 m: core extremely crumbly clay altered.
21.3 to 22.0		Quartz/carbonate stringer zone in silicified altered Pyroxenite/Hornblendite; randomly oriented quartz/carbonate stringers < 3 cm wide; hematite blebs < 2 mm in size; trace pyrite.
22.0 to 30.8		Altered Pyroxenite/Hornblendite; strong chlorite and serpentine? alteration; moderately to strongly fractured resealed by quartz and carbonate veinlets; numerous hematite blebs (altered magnetite?).
30.8 to 31.1		Breccia; contains aphanitic clasts of altered Pyroxenite/Hornblendite resealed by plagioclase; trace magnetite; base of unit a fracture surface with slickensides.
31.1 to 47.6		Altered Pyroxenite/Hornblendite; weak to moderately fractured resealed by carbonate veinlets; chlorite?, epidote? and serpentine? alteration; trace biotite, up to 10% locally as irregularly shaped blebs; containing "Pegmatitic" plagioclase rich sections. At 31.1 to 32.8 m: weakly sheared to brecciated sections with plagioclase rich section; trace chalcopyrite? oxidized pyrite. At 45.3 to 45.4 m: Plagioclase rich "Pegmatitic" zone trace chalcopyrite. At 45.7 to 46.3 m: Porphyry plagioclase and hornblende crystals in a fine grained groundmass; epidote present replacing plagioclase; sericitic alteration of plagioclase; trace chalcopyrite (pyrite?) at margins of sub-unit. At 47.0 to 47.6 m: "Pegmatite"; 80% plagioclase with epidote and sericite alteration, trace biotite, remainder augite?/hornblende?; sheared slip planes with slickensides.

Meterage From	To	Description
47.6	to 81.4	Altered Pyroxenite/Hornblendite; fine grained; strongly altered with serpentine?, chlorite, clay and epidote alteration; locally up to 30% magnetite as aggregates, may be replaced by biotite; weakly to strongly fractured with carbonate and quartz/carbonate veinlets resealing fractures; occasional plagioclase rich pegmatitic sections present. At 49.7 to 50.0 m: plagioclase rich section. At 49.7 to 51.2 m: shear zone. At 51.2 to 51.35 m: plagioclase rich section. At 52.0 to 52.4 m: plagioclase rich shear zone; chlorite and serpentine alteration. At 50.3 to 62.2 m: 20% of unit composed of magnetite rich black aphanitic patches (chlorite? altered). At 57.5 to 57.8 m: plagioclase rich section. At 57.8 to 62.2 m: shear zone, core weakly to strongly sheared. At 63.3 to 63.6 m: strongly foliated; carbonate altered with carbonate clasts. At 69.7 to 79.9 m: shear zone from weakly to strongly sheared with slickensides on slip planes. At 72.0 to 79.9 m: strong clay alteration, core is mushy crumbly swollen filling slot in core box.
81.4	to 91.4	Core missing. End of hole.

DDH S-7

0	to 1.5 m	Overburden
1.5	to 7.6	Altered Pyroxenite/Hornblendite; mottled green black; chlorite?, serpentine? alteration; occasionally with epidote veinlets; biotite content variable +/- 10%; weakly magnetic; trace pyrite as euhedral grains on shear planes; occasionally weakly foliated. At 6.7 m: talc? bleb At 7.6 m: books of coarse grained greenish mica.
7.6	to 8.8	Altered Pyroxenite/Hornblendite; black with green patches; occasional quartz/plagioclase fragments; trace epidote; +/- 10% biotite; trace chalcopyrite as rare grains.
8.8	to 9.1	"Pegmatitic" Pyroxenite/Hornblendite; 10-20% plagioclase; epidote may replace? plagioclase;

Meterage From	To	Description
8.8	9.1 Cont.	sheared; <1% chalcopyrite and pyrite as disseminated grains; base of unit strongly sheared.
9.1	9.2	Intensely altered Pyroxenite/Hornblendite; talc, biotite, epidote and chlorite alteration; shear zone (fault?); 10% magnetite as aggregate.
9.2	12.2	Mixed altered and "Pegmatitic" Pyroxenite/ Hornblendite; "Pegmatitic" phase with 10-20% plagioclase with epidote replacing? plagioclase, 5% biotite; altered Pyroxenite/Hornblendite with serpentine and chlorite alteration and present on fractures; trace chalcopyrite as disseminated grains up to 2 mm.
12.2	14.0	Altered Pyroxenite/Hornblendite; grey green in color; moderately to strongly magnetic; biotite aggregates locally up to 70% overall 5-10%, epidote alteration. At 12.8 to 13.1 m: core strongly sheared (fault). At 13.3 m: fracture with biotite; 1-2 cm on either side of fracture up to 5% pyrite as disseminated grains.
14.0	14.4	"Pegmatitic" Pyroxenite/Hornblendite; 20-40% plagioclase with epidote alteration?; 30-40% biotite; remainder Pyroxene? Hornblende?; <1% chalcopyrite as disseminated grains.
14.4	18.3	Altered Pyroxenite/Hornblendite; mottled olive green black; +/- 10% biotite; talc altered, fractures often coated with talc; moderately to weakly magnetic. At 18 m: strong fracture, strong talc alteration, chalcopyrite? (oxidized pyrite?) concentrated along fractures. At 18.3 m: base of unit with 20-30% epidote remainder biotite.
18.3	22.0	"Pegmatitic" Pyroxenite/Hornblendite; 20-80% plagioclase, epidote replacing plagioclase (locally up to 100% but rare); 5% magnetite associated with pyroxene/hornblende; trace chalcopyrite and pyrite as scattered grains. At 20.9 to 21.8 m: altered Pyroxenite/Hornblendite mixed with "Pegmatitic" Pyroxenite/Hornblendite (Breccia?); coarse plagioclase crystals show zoning; actinolite? present; coarse pyrite grains present.

Meterage From	To	Description
22.0	25.0	Altered Pyroxenite/Hornblendite (shear zone?); occasional slip/shear planes may be coated with talc? or chlorite?; trace epidote associated with shear planes; +/- 5% biotite. At 23.2 m: core foliated at 45 degrees to core axis with black chlorite? stringers.
25.0	28.7	Altered Pyroxenite/Hornblendite, shear/fault zone; talc/argillic alteration predominantly along slip planes; biotite in aggregates locally up to 20%; trace epidote in dark black strongly magnetic parts; moderately fractured with carbonate veinlets in fractures; trace chalcopyrite and pyrite as rare grains. At 25.0 to 25.7 m: "Pegmatitic" Pyroxenite/Hornblendite; with 10-70% plagioclase; trace rare pyrite cubes; 5% biotite as books; trace epidote. At 26.5 m: 0.1 m plagioclase bleb.
28.7	37.2	Altered Pyroxenite/Hornblendite; mottled olive grey green to black; black portions less altered with stronger magnetism; serpentine? alteration; +/- 20% biotite as clusters occasionally as coarse books; weakly fractured with randomly oriented carbonate veinlets filling fractures. At 29.3 m: Breccia? resealed by fine grained mafic minerals.
37.2	43.0	Altered Pyroxenite/Hornblendite; shear zone; talc and serpentine? alteration; 10% biotite as aggregates; occasional randomly oriented carbonate veinlets filling fractures; scattered unaltered patches moderately magnetic, otherwise weakly to non-magnetic. Strongly sheared at 37.4 m, 38.9 m, 40.2 - 40.8 m, 41.5 m and 43.0 m.
43.0	49.1	Altered Pyroxenite/Hornblendite; olive green; weakly magnetic; 20-30% biotite throughout; talc? altered (occasional talc blebs); trace epidote on fracture surfaces and in groundmass; trace pyrite. At 45.3 to 45.6 m: strongly sheared. At 48.6 m: Quartz veinlet 2.5 cm wide with 0.5 - 1.0 cm wide biotite alteration margins.
49.1	50.6	Pyroxenite/Hornblendite black in color relatively unaltered; strongly magnetic; trace

Meterage From	To	Description
49.1	50.6 Cont.	biotite; trace epidote (replacing? plagioclase); 5% plagioclase; occasionally fractured resealed by carbonate.
50.6	75.6	Altered Pyroxenite/Hornblendite shear zone; mottled olive grey green to black; strongly altered with talc, serpentine alteration; +/- 30% biotite; occasionally trace epidote; weakly magnetic throughout, strongest magnetism associated with unaltered mafic rich sections and biotite rich sections; occasional randomly oriented carbonate and plagioclase stringers. At 50.6 to 50.9 m: strongly sheared; serpentine and talc altered; biotite books present. At 51.8 m: 5 cm plagioclase/quartz? groundmass with plagioclase crystals; epidote as blebs and sericite? alteration. At 52.1 to 52.4 m: 20 - 30% biotite. At 52.4 to 62.5 m: shear zone; talc alteration strongest on slip planes also serpentine? alteration; biotite present, trace epidote. At 62.5 to 75.6 m: talc alteration associated with shears; occasionally serpentine? present on fractures; +/- 20% biotite; biotite content less where talc alteration strongest. At 64.3 to 71.0 m: core box chewed open by porcupine, slats missing, core lost and disorganized.
75.6	78.0	Altered Pyroxenite/Hornblendite; brown; composed predominantly of fine grained biotite; may be carbonate? altered; cut by quartz and carbonate stringers; reddish brown talc blebs (hematite? stain). At 76.7 to 77.7 m: Breccia, quartz fragments; 10% pyrite as fracture fill and disseminated grains. At 77.7 to 78.0 m: strongly foliated, cut by numerous carbonate veinlets.
78.0	99.4	Altered Pyroxenite/Hornblendite with plagioclase rich "Pegmatitic" sections up to 0.3 m wide with epidote; cut by carbonate veinlets and rare quartz veinlets; biotite content variable +/- 20%; moderately magnetic +/- 10% magnetite as aggregates; serpentine? alteration. At 82.7 to 83.2 m: shear zone. At 92.4 to 99.4 m: Shear zone. End of hole.

Meterage From	To	Description
DDH S-8		
0	15.2	Overburden
15.2	47.9	Altered Diorite; grey in color with pale green and orangy white patches; fine to medium grained; irregular shaped patches of carbonate and epidote alteration; moderately to strongly fractured fractures may be infilled by carbonate, limonite and epidote; 1-10% pyrite as disseminated grains of as fracture fills associated with epidote. At 15.2 to 15.4 m: Quartz flooded; silicified with pink quartz veinlets and epidote alteration; 10% pyrite. At 19.9 m: strongly foliated At 22.3 m: 3-4 cm pyrite bleb associated with epidote. At 22.9 to 26.2 m: strongly fractured, fractures with limonite coating and slickensides (fault?) At 28.4 to 40.2 m: core strongly fractured (fault?). At 28.7 to 29.1 m: strong chlorite? alteration with epidote. At 36.0 to 36.3 m: concentrated patches of epidote and carbonate alteration. At 39.8 m: 5 cm wide fractured carbonate stringer. At 41.6 to 43.3 m: very fine grained; weakly foliated; weakly to moderately fractured with carbonate and pyrite filling fractures. At 43.3 to 47.9 m: altered diorite with speckled "amygdaloidal" appearance containing rounded epidote and carbonate blebs.
47.9	81.4	Altered Diorite as previous unit; speckled "amygdaloidal" appearance with rounded epidote blebs occasionally rimmed with calcite; randomly oriented epidote and carbonate stringers; less pyrite than previous unit. At 47.9 to 50.0 m: weakly fractured throughout with slickensides on slip planes. At 54.1 to 54.6 m: core missing. At 58.0 to 58.4 m: shear zone?; strongly foliated at 20 degrees to 15 degrees to core axis. Slip planes with slickensides; epidote veinlets; biotite and carbonate on slip planes. At 58.5 to 58.8 m: very fine grained; cut by carbonate veinlets no epidote blebs present. At 58.8 to 79.8 m: strong epidote alteration as rounded blebs, filling fractures and large irregular blebs locally up to 90% usually 10%.

Meterage From	To	Description
47.9	81.4 Cont.	At 75.7 to 76.0 m: core foliated with patches of sericite? alteration. At 76.2 to 76.3 m: core sheared cut by web like mass of epidote stringers. At 79.8 to 80.7 m: very fine grained diorite; cut by carbonate veinlets; trace pyrite as disseminated grains.
81.4	87.5	Diorite; medium grained unaltered; occasional carbonate veinlets filling fractures; weakly magnetic; biotite? on fracture surfaces.
87.5	91.5	Altered diorite; rounded blebs of epidote with alteration halos; carbonate veinlets. At 89.4 to 89.8 m: fine grained. At 88.9 to 89.1 m: sheared; strong epidote alteration. End of hole.

CORE SAMPLE DESCRIPTIONS

The following are descriptions of core samples taken for assay from diamond drill holes done by Pickands Mather and Company in 1974 on the Sheri Claims.

Sample #	Description
S1-89/ 6.4 to 7.4	Coarse grained altered Pyroxenite/Hornblendite cut by a quartz veinlet and carbonate stringers which fill fractures. Coarse grained magnetite 30-40%. Trace chalcopyrite as disseminated irregular shaped grains. 1/4 split.
S1-89/ 16.4 to 17.4	Medium grained altered Pyroxenite/Hornblendite; weakly fractured, fractures resealed by carbonate veinlets; strongly magnetic with 40% magnetite; trace epidote with chlorite on fractures. Quartz/carbonate veinlet at 17.1 m 0.15 m wide with 1% pyrite as grains <1 mm rarely up to 2 mm and actinolite? aggregates 30%.
S1-89/ 22.9 to 23.9	Medium grained altered Pyroxenite/Hornblendite cut by carbonate veinlets, chlorite on fracture surfaces.
S1-89/ 27.5 to 28.5	Strongly foliated (sheared) altered Pyroxenite/ Hornblendite; strongly to moderately magnetic with strong epidote alteration, chlorite alteration on fractures and cut by chaotic carbonate stringers.
S1-89/ 51.2 to 52.2	Altered Pyroxenite/Hornblendite; patchy moderate to intense chlorite? alteration and patches of epidote present. Cut by numerous carbonate veinlets with random orientations. Magnetite blebs 5%; pyrite and chalcopyrite 1-2% as veinlets (filling fractures) and disseminated grains.
S1-89/ 56.2 to 57.2	Mafic rich Pyroxenite/Hornblendite with epidote stringers and patchy chlorite alteration. Cut by carbonate stringers with variable orientations; <5% plagioclase, 1% sulphides predominantly pyrite with trace chalcopyrite.
S1-89/ 62.7 to 63.7	Diorite, 90% plagioclase, 10% mafic minerals biotite and actinolite?. Occasionally fractured containing chlorite and biotite. Trace chalcopyrite with +/- 10% pyrite.
S2-89/ 14.0 to 15.0	"Pegmatitic" Pyroxenite/Hornblendite, 65% mafic minerals (hornblende, pyroxene?, biotite) 30% white plagioclase and 5% magnetite aggregates. Epidote replacing plagioclase. Trace sulphides, chalcopyrite, pyrite and pyrrhotite?. 1/4 split.

Sample #	Description
S2-89/ 20.1 to 21.1	"Pegmatitic" Pyroxenite/Hornblendite as previous sample but finer grained; 80-90% mafic minerals (hornblende, pyroxene?, biotite, magnetite), 10-20% plagioclase; <1% sulphides, chalcopyrite, pyrite and pyrrhotite?. 1/4 split.
S2-89/ 26.2 to 27.7	Fault gouge of "Pegmatitic" Pyroxenite/ Hornblendite. <5% biotite; trace magnetite; weak limonite staining with darker brown contorted limonite veinlets; carbonate veinlets and stringers present in basal part of sample where rock is strongly sheared. Trace chalcopyrite as disseminated grains. (Measured width 0.9 m, core recovery 60%).
S2-89/ 31.0 to 32.0	Altered Pyroxenite/Hornblendite, strongly altered and sheared; 5-10% biotite as coarse books up to 1 cm in size; blebs of hematite present (altered magnetite?); quartz/carbonate stringer present at 31.1 m.
S2-89/ 32.5 to 33.5	Strongly to intensely sheared altered Pyroxenite/ Hornblendite; with patches of limonite staining; carbonate stringers throughout; 5% hematite blebs (altered magnetite?); 10% biotite; trace pyrite coating fractures.
S2-89/ 35.4 to 36.4	Intensely altered Pyroxenite/Hornblendite; 20% coarse grained biotite books; randomly oriented carbonate veinlets infilling fractures; <3% magnetite.
S2-89/ 41.7 to 42.7	"Pegmatitic" Pyroxenite/Hornblendite; 60-90% augite/hornblende; 10-40% white plagioclase; fracture planes with slickensides commonly with books of biotite; trace chalcopyrite as disseminated grains.
S2-89/ 49.0 to 50.0	Porphyritic Rhyolite?, grey aphanitic rock; phenocrysts of plagioclase and rounded quartz? grains; rock is fractured with carbonate and 1% pyrite filling fractures.
S2-89/ 63.9 to 64.9	Altered Pyroxenite/Hornblendite; moderately to intensely sheared; chlorite, biotite, serpentine and argillic? alteration, magnetite blebs altering to hematite; carbonate veinlets filling fractures; <1% pyrite; at 64.0 m trace chalcopyrite on fracture surface.
S2-89/ 69.2 to 70.2	"Pegmatitic" Pyroxenite/Hornblendite; 10-30% plagioclase very coarse grained; epidote and chlorite replacing? plagioclase; weakly fractured with carbonate infilling fractures;

Sample #	Description
S2-89/ 69.2 tp 70.2 Cont.	biotite books present; 5% magnetite as aggregates; trace chalcopyrite as disseminated grains. (1/4 split).
S2-89/ 76.0 to 77.0	"Pegmatitic" Pyroxenite/Hornblendite; <10% plagioclase not as coarse grained as previous sample; epidote and chlorite replacing? plagioclase; weakly fractured with carbonate filling fractures; biotite books present; 5% magnetite as aggregates.
S3-89/ 7.8 to 8.8	"Pegmatitic" Pyroxenite/Hornblendite; patchy chlorite? alteration; 10% plagioclase in patches with trace epidote; strongly magnetic; trace chalcopyrite as very rare disseminated grains; At 8.4 m 0.5 cm bleb of bornite.
S3-89/ 15.8 to 16.8	"Pegmatitic" Pyroxenite/Hornblendite; 10-40% plagioclase; trace epidote; weak chlorite alteration; weakly fractured carbonate infilling fractures; trace chalcopyrite as rare disseminated grains.
S3-89/ 19.1 to 20.1	Altered Pyroxenite/Hornblendite; contains a biotite, chlorite, serpentine? groundmass; cut by quartz/carbonate veinlets up to 1.5 cm wide orientations usually within 10 degrees of core axis; basal 0.1 m of sample with 1-2% chalcopyrite as disseminated grains <2 mm in size.
S3-89/ 26.4 to 27.4	Altered Pyroxenite/Hornblendite; biotite and chlorite present (alteration?); strongly magnetic; trace chalcopyrite as disseminated grains. (1/4 split).
S3-89/ 34.6 to 35.6	Carbonate altered Pyroxenite/Hornblendite; may be brecciated and clasts silicified; 2 cm wide quartz vein present oriented 45 degrees to core axis, trace disseminated pyrite present; patchy limonite stain present most intense around carbonate veinlets.
S3-89/ 38.9 to 39.9	Altered Pyroxenite/Hornblendite; contains 0.2 m wide plagioclase/carbonate veinlet chalcopyrite associated with margins of veinlet; unit contains 5-10% carbonate veinlets.
S3-89/ 45.3 to 46.3	"Pegmatitic" Pyroxenite/Hornblendite; 10-20% plagioclase; 10% magnetite as coarse grained aggregates; trace biotite and epidote; trace chalcopyrite as randomly disseminated grains.

Sample #	Description
S3-89/ 49.6 to 50.6	Fault zone in "Pegmatitic" Pyroxenite/ Hornblendite; locally with 10-90% plagioclase; trace biotite and epidote; magnetite present.
S3-89/ 59.8 to 60.8	Alternating "Pegmatitic" Pyroxenite/Hornblendite and plagioclase rich zones with 80-90% plagioclase; "Pegmatitic" 10-20% plagioclase, trace epidote, biotite; plagioclase zones with actinolite present, containing cavities incompletely filled by calcite, limonite filling fractures.
S4-89/ 14.0 to 15.0	Altered Pyroxenite/Hornblendite with patchy weak to moderate carbonate alteration; cut by randomly oriented carbonate veinlets with 1-2% pyrite as very fine disseminated grains.
S4-89/ 16.5 to 17.4	Intense carbonate altered Pyroxenite/ Hornblendite; fractured with carbonate veinlets infilling fractures; <1% pyrite infilling fractures and as very fine disseminated grains.
S4-89/ 21.7 to 22.7	Predominantly "Pegmatitic" Pyroxenite/ Hornblendite with minor altered Pyroxenite/ Hornblendite with moderate carbonate alteration; trace pyrite and chalcopyrite as disseminated grains and blebs in carbonate altered rock.
S4-89/ 24.4 to 25.3	Altered Pyroxenite/Hornblendite with occasional "Pegmatitic" sections; fractured with carbonate infilling fractures; patchy carbonate alteration present; biotite aggregates present; trace chalcopyrite and pyrite as disseminated grains and blebs in carbonate altered sections. (1/4 split).
S4-89/ 56.7 to 57.7	Mixed "Pegmatitic" Pyroxenite/Hornblendite and altered Pyroxenite/Hornblendite; with biotite books; contains 5 cm wide plagioclase bleb; patch of argillic alteration with hematite staining; trace chalcopyrite as disseminated grains.
S5-89/ 6.1 to 7.1	Altered Pyroxenite/Hornblendite with chlorite serpentine? alteration; 10-20% magnetite present; cut by randomly oriented carbonate veinlets; patches of carbonate alteration present. (1/4 split).
S5-89/ 11.6 to 12.5	Strongly sheared altered Pyroxenite/Hornblendite with pervasive carbonate alteration; carbonate and pink and white quartz clasts present; basal 0.1 m of sample with hematite staining. (1/4 split).

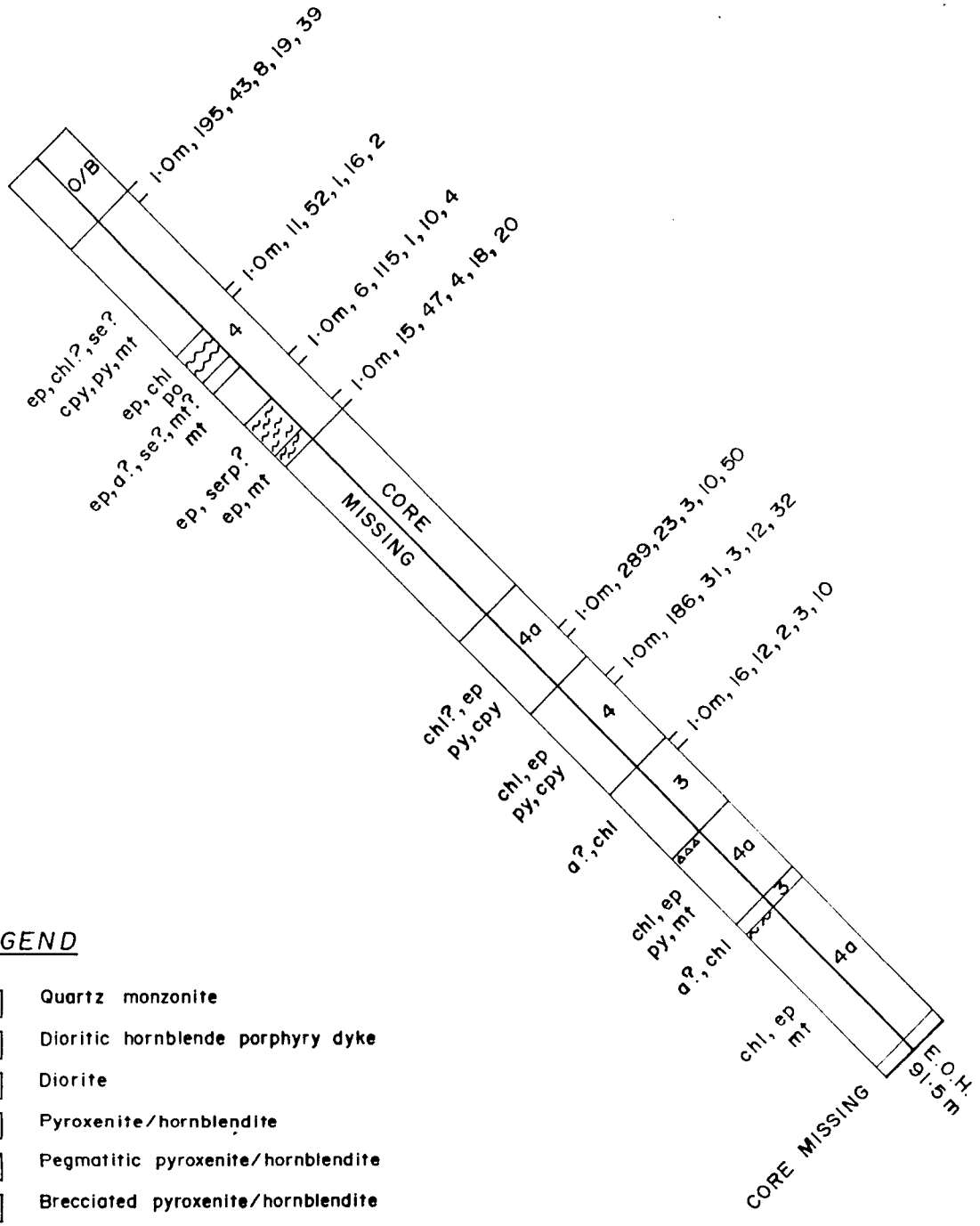
Sample #	Description
S5-89/ 13.4 to 14.4	Carbonate altered sheared/brecciated Pyroxenite/ Hornblendite?; +/- 4% pyrite on slickensided shear planes; trace chalcopyrite as very rare grains. (1/4 split).
S5-89/ 15.1 to 16.1	Quartz flooded altered Pyroxenite/Hornblendite?; almost pure pinkish and white silica; 1% chalcopyrite? (oxidized pyrite) as disseminated grains and occasional blebs.
S5-89/ 20.1 to 21.0	"Pegmatitic" Pyroxenite/Hornblendite; 40-70% plagioclase; 5% biotite as books; 5% magnetite; remainder coarse grained pyroxene/hornblende; trace epidote and chlorite; trace pyrite as very rare disseminated grains.
S5-89/ 23.0 to 24.0	Predominantly altered Pyroxenite/Hornblendite with minor "Pegmatitic" Pyroxenite/Hornblendite; epidote associated with plagioclase; biotite present; magnetite usually <5% occasionally up to 20% altering to hematite; carbonate altered; weakly to strongly fractured with carbonate veinlets infilling fractures.
S5-89/ 26.8 to 27.8	As previous sample but from shear/fault? zone; biotite present; plagioclase usually <5% with plagioclase clasts; epidote present in plagioclase.
S5-89/ 30.2 to 30.8	"Pegmatitic" Pyroxenite/Hornblendite; 80% plagioclase; 20% mafic minerals including biotite books, coarse grained pyroxene/hornblende crystals and epidote; fracture? cavities present being infilled by quartz.
S5-89/ 39.3 to 39.9	"Pegmatitic" Pyroxenite/Hornblendite; upper 0.1 m of sample with plagioclase veinlets; trace chalcopyrite as disseminated grains.
S5-89/ 43.8 to 44.8	"Pegmatitic" Pyroxenite/Hornblendite; strongly magnetic 5-10% magnetite; trace biotite; mafics altering to chlorite; trace pyrite (pyrrhotite?) from 44.2 to 44.5 m.
S5-89/ 47.0 to 48.0	Altered Pyroxenite/Hornblendite with plagioclase/ quartz injections which may contain a fibrous blue mineral (actinolite?); trace pyrrhotite? in quartz/plagioclase injections.
S5-89/ 57.3 to 57.7	"Pegmatitic" Pyroxenite/Hornblendite with 90% plagioclase; remainder composed of pyroxene/ hornblende, magnetite, actinolite? (actinolite chlorite altered?); plagioclase with a pale greenish tinge. 1/4 split.

Sample #	Description
S5-89/ 60.2 to 60.45	"Pegmatitic" Pyroxenite/Hornblendite as previous sample. Actinolite aggregates with chalcopyrite blebs, biotite present.
S5-89/ 77.1 to 78.0	Shear in altered Pyroxenite/Hornblendite with epidote and carbonate veinlets parallel to shear, hematite coating slip planes.
S5-89/ 90.5 to 91.5	Fault gouge, strongly sheared, hematite, epidote groundmass; groundmass strongly chloritized; occasional magnetite grains present; chaotic carbonate veinlets.
S6-89/ 6.2 to 7.2	Altered Pyroxenite/Hornblendite; fine grained; weakly magnetic with scattered aggregates of magnetite may be altered to hematite; chlorite and carbonate? altered; serpentinized?; trace pyrite on fracture surfaces; cut by carbonate stringers.
S6-89/ 11.8 to 12.8	Moderately foliated (sheared?) altered Pyroxenite/Hornblendite; weakly magnetic, quartz vein at 12.1 m with quartz clasts present below vein; carbonate veinlets throughout.
S6-89/ 21.3 to 22.0	Quartz/carbonate stringer zone in silicified altered Pyroxenite/Hornblendite; randomly oriented quartz/carbonate stringers <3 cm wide; hematite blebs <2 mm in size; trace pyrite.
S6-89/ 25.2 to 26.2	Altered Pyroxenite/Hornblendite; strong chlorite and serpentine? alteration; moderately to strongly fractured resealed by quartz and carbonate veinlets; hematite blebs present (altered magnetite?).
S6-89/ 31.3 to 32.3	Altered Pyroxenite/Hornblendite; weakly sheared to brecciated sections with plagioclase rich sections; trace chalcopyrite? oxidized pyrite.
S6-89/ 45.7 to 46.3	Porphyry plagioclase and hornblende crystals in a fine grained groundmass; epidote replacing plagioclase; sericite alteration of plagioclase; trace chalcopyrite (pyrite?) on margins of sample.
S6-89/ 59.1 to 60.1	Altered Pyroxenite/Hornblendite shear zone; fine grained with chlorite, clay, serpentine and epidote alteration; containing plagioclase rich pegmatitic sections.
S6-89/ 73.4 to 74.4	Altered Pyroxenite/Hornblendite; fine grained; strongly clay altered.

Sample #	Description
S7-89/ 5.3 to 6.3	Altered Pyroxenite/Hornblendite; chlorite?, serpentine? alteration; serpentine? present on fracture surfaces; 5% biotite; lower half of sample with talc; trace chalcopyrite?, pyrite as disseminated grains.
S7-89/ 7.6 to 8.8	Altered Pyroxenite/Hornblendite; black with green patches; occasional quartz/plagioclase fragments; trace epidote; +/- 10% biotite; trace chalcopyrite as rare grains.
S7-89/ 8.8 to 9.1	"Pegmatitic" Pyroxenite/Hornblendite; 10-20% plagioclase; epidote may replace? plagioclase; sheared; <1% chalcopyrite and pyrite as disseminated grains; base of sample strongly sheared.
S7-89/ 11.2 to 12.2	Mixed altered and "Pegmatitic" Pyroxenite/ Hornblendite; "Pegmatitic" phase with 10-20% plagioclase with epidote replacing? plagioclase, 5% biotite; altered Pyroxenite/Hornblendite with serpentine and chlorite alteration also present on fractures; trace chalcopyrite as disseminated grains up to 2 mm.
S7-89/ 14.0 to 14.4	"Pegmatitic" Pyroxenite/Hornblendite; 20-40% plagioclase with epidote alteration?; 30-40% biotite; remainder pyroxene?/hornblendite?; <1% chalcopyrite as disseminated grains. (1/4 split).
S7-89/ 17.1 to 18.1	Altered Pyroxenite/Hornblendite; mottled olive green black; +/- 10% biotite; talc altered, fractures often coated with talc; moderately to weakly magnetic; trace chalcopyrite? (oxidized pyrite?) along fractures at 18.0 m.
S7-89/ 25.0 to 25.7	"Pegmatitic" Pyroxenite/Hornblendite; 10-70% plagioclase; 5% biotite as books; trace epidote; trace rare pyrite cubes.
S7-89/ 26.8 to 27.8	Altered Pyroxenite/Hornblendite in shear/fault zone; talc and argillic altered; +/- 20% biotite; trace epidote; trace chalcopyrite as rare grains.
S7-89/ 29.9 to 30.9	Altered Pyroxenite/Hornblendite; mottled olive grey green to black; 10% black, unaltered, magnetic rock; serpentine? alteration; +/- 20% biotite; weakly fractured with randomly oriented carbonate veinlets filling fractures.

Sample #	Description
S7-89/ 37.2 to 38.2	Altered Pyroxenite/Hornblendite from shear zone; talc and serpentine? altered; 10% biotite as aggregates; occasional randomly oriented carbonate veinlets filling fractures; from moderately to non magnetic.
S7-89/ 45.7 to 46.7	Altered Pyroxenite/Hornblendite; olive green; weakly magnetic; talc? altered (occasional talc blebs); 20-30% biotite; trace epidote; trace pyrite.
S7-89/ 49.3 to 50.3	Pyroxenite/Hornblendite; black in color, relatively unaltered; strongly magnetic; trace biotite; trace epidote (replacing? plagioclase); 5% plagioclase; occasionally fractured resealed by carbonate.
S7-89/ 53.4 to 54.4	Altered Pyroxenite/Hornblendite; shear zone; talc alteration common on slip planes; serpentine? alteration; 5% biotite except at base of sample 60% biotite.
S7-89/ 74.1 to 75.1	Altered Pyroxenite/Hornblendite; shear zone; talc and serpentine alteration; 20-30% biotite; occasional carbonate stringers.
S7-89/ 76.7 to 77.7	Same as previous sample but brecciated; containing quartz fragments; 10% pyrite as fracture fill and disseminated grains.
S8-89/ 15.2 to 15.4	Silicified altered diorite; fine to medium grained; pink quartz veinlets present; epidote alteration; 10% pyrite.
S8-89/ 19.8 to 20.8	Altered diorite; foliated in part; grey in color with green epidote blebs and orangy white carbonate altered patches; moderately to strongly fractured, fractures infilled by carbonate, limonite and epidote; 1-10% pyrite as disseminated grains and fracture fill associated with epidote.
S8-89/ 33.9 to 34.9	Altered diorite as previous sample with carbonate blebs and epidote/pyrite filling fractures.
S8-89/ 41.9 to 42.9	Altered diorite; grey, very fine grained weak to moderately fractured with carbonate and pyrite filling fractures.
S8-89/ 51.8 to 52.8	Altered diorite; speckled "amygdaloidal" appearance; rounded blebs of epidote and plagioclase which may contain carbonate and pyrite; trace pyrite filling fractures.

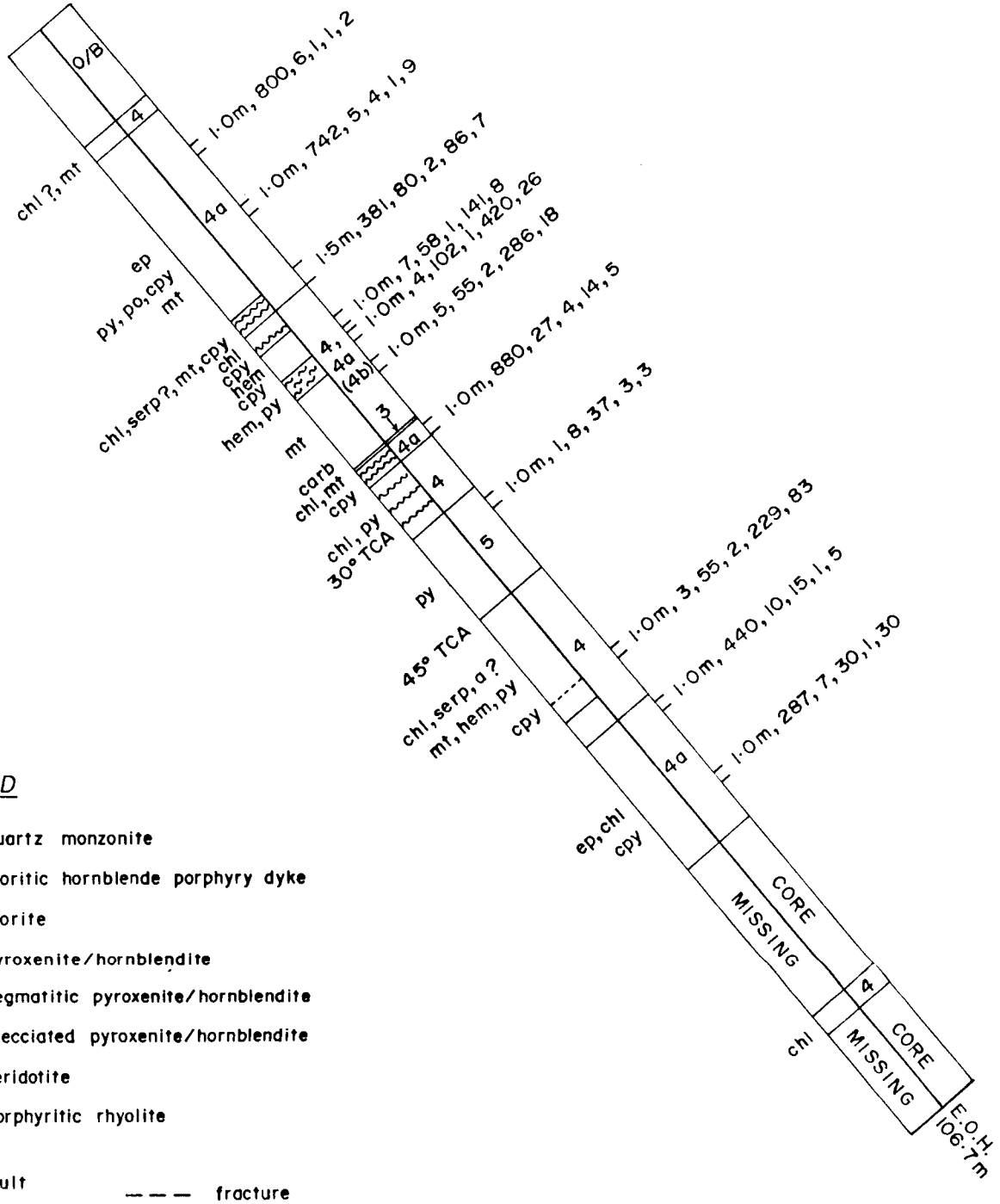
Sample #	Description
S8-89/ 70.6 to 71.6	Altered diorite; speckled "amygdaloidal" appearance; 10-20% epidote filling fractures, as rounded blebs and large irregular blebs; <1% pyrite filling fractures and as irregular blebs.
S8-89/ 76.8 to 77.8	Altered diorite; speckled "amygdaloidal" appearance; 10% epidote as rounded blebs with alteration halos; trace carbonate veinlets filling fractures; 1% pyrite filling fractures.
S8-89/ 83.1 to 84.1	Diorite; medium grained unaltered; occasional carbonate veinlets filling fractures; weakly magnetic; biotite? on fracture surface.



LEGEND

1	Quartz monzonite
2	Dioritic hornblende porphyry dyke
3	Diorite
4	Pyroxenite/hornblendite
4a	Pegmatitic pyroxenite/hornblendite
4b	Brecciated pyroxenite/hornblendite
4c	Peridotite
5	Porphyritic rhyolite

~~~ fault
≈≈≈ shear
ΔΔΔ breccia
— — — fracture
——— contact

0 5 10 15 20
metres

### ALTERATION

| | |
|---|---|
| ep | epidote |
| chl | chlorite |
| carb | carbonate |
| serp | serpentine |
| t | talc |
| a | argillic |
| se | sericite |
| si | silicified |

### MINERALIZATION

| | |
|---|---|
| mt | magnetite |
| hem | hematite |
| cpy | chalcopyrite |
| py | pyrite |
| po | pyrrhotite |
| bo | bornite |

### ASSAYS

width / Cu(ppm), Ni(ppm), Au(ppb), Pt(ppb), Pd(ppb)

# CEPEDA MINERALS INC.

Canim Project

# D.D.H. S-1

(BEARING 180°, DIP -45°)

MINCORD EXPLORATION CONSULTANTS LIMITED

Date: Nov. 1989
Scale: 1 : 500
By:
N.T.S. 92 P/15
Figure
~~~



LEGEND

1	Quartz monzonite
2	Dioritic hornblende porphyry dyke
3	Diorite
4	Pyroxenite/hornblendite
4a	Pegmatitic pyroxenite/hornblendite
4b	Brecciated pyroxenite/hornblendite
4c	Peridotite
5	Porphyritic rhyolite

~~	fault
≈≈≈	shear
ΔΔΔ	breccia
– – –	fracture
———	contact

ALTERATION

ep	epidote
chl	chlorite
carb	carbonate
serp	serpentine
t	talc
a	argillic
se	sericite
si	silicified

MINERALIZATION

mt	magnetite
hem	hematite
cpy	chalcopyrite
py	pyrite
po	pyrrhotite
bo	bornite

ASSAYS

width / Cu(ppm), Ni(ppm), Au(ppb), Pt(ppb), Pd(ppb)

CEPEDA MINERALS INC.

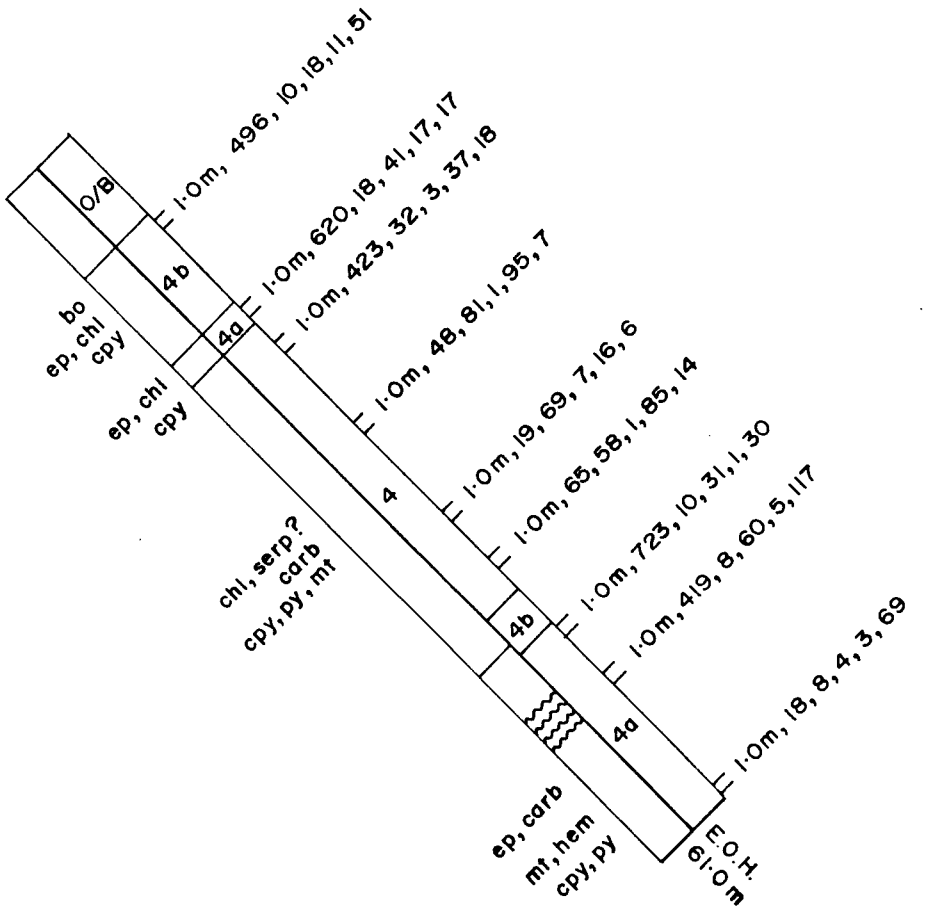
Canim Project

D.D.H. S-2

(BEARING 000°, DIP -50°)

MINCORD EXPLORATION CONSULTANTS LIMITED

Date Nov. 1989	N.T.S. 92P/15
Scale 1:500	Figure
By	



LEGEND

1	Quartz monzonite
2	Dioritic hornblende porphyry dyke
3	Diorite
4	Pyroxenite/hornblendite
4a	Pegmatitic pyroxenite/hornblendite
4b	Brecciated pyroxenite/hornblendite
4c	Peridotite
5	Porphyritic rhyolite

~~	fault	— — —	fracture
≈≈≈	shear	———	contact
ΔΔΔ	breccia		

0 5 10 15 20
metres

ALTERATION

ep	epidote
chl	chlorite
carb	carbonate
serp	serpentine
t	talc
a	argillic
se	sericite
si	silicified

MINERALIZATION

mt	magnetite
hem	hematite
cpy	chalcopyrite
py	pyrite
po	pyrrhotite
bo	bornite

ASSAYS

width / Cu(ppm), Ni(ppm), Au(ppb), Pt(ppb), Pd(ppb)

CEPEDA MINERALS INC.

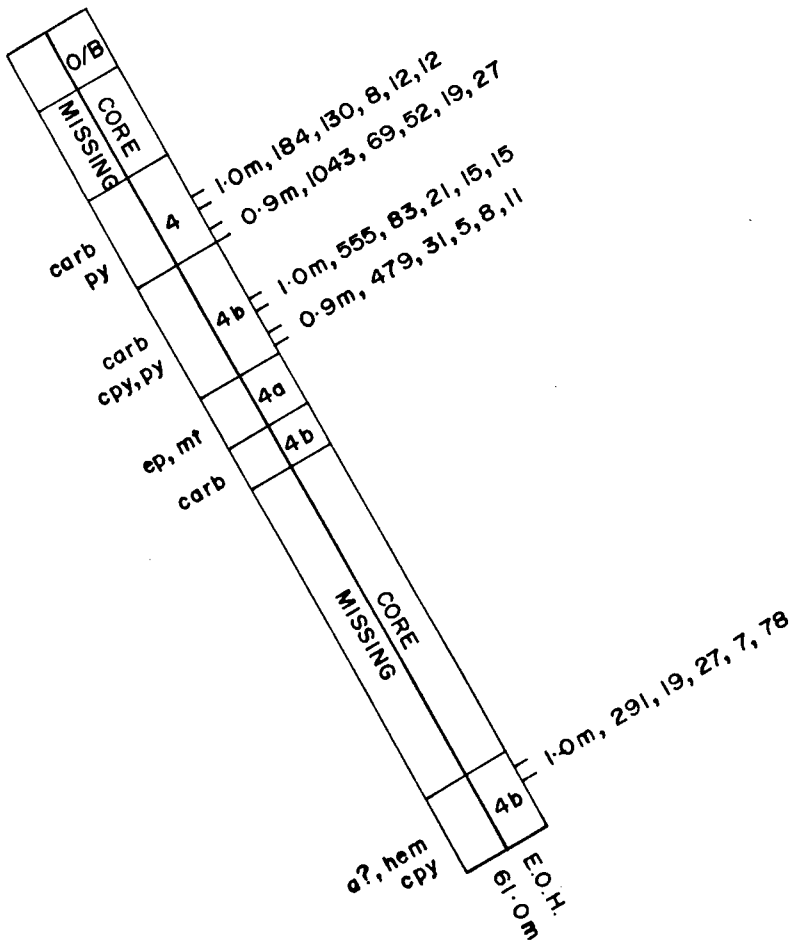
Canim Project

D.D.H. S-3

(BEARING 180°, DIP -45°)

MINCORD EXPLORATION CONSULTANTS LIMITED

Date Nov. 1989		N.T.S. 92 P/15
Scale 1 : 500		Figure
By		



LEGEND

1	Quartz monzonite
2	Dioritic hornblende porphyry dyke
3	Diorite
4	Pyroxenite/hornblendite
4a	Pegmatitic pyroxenite/hornblendite
4b	Brecciated pyroxenite/hornblendite
4c	Peridotite
5	Porphyritic rhyolite

~~	fault	— — —	fracture
≈≈≈	shear	———	contact
ΔΔΔ	breccia		

0 5 10 15 20
metres

ALTERATION

ep	epidote
chl	chlorite
carb	carbonate
serp	serpentine
t	talc
a	argillic
se	sericite
si	silicified

MINERALIZATION

mt	magnetite
hem	hematite
cpy	chalcopyrite
py	pyrite
po	pyrrhotite
bo	bornite

ASSAYS

width / Cu(ppm), Ni(ppm), Au(ppb), Pt(ppb), Pd(ppb)

CEPEDA MINERALS INC.

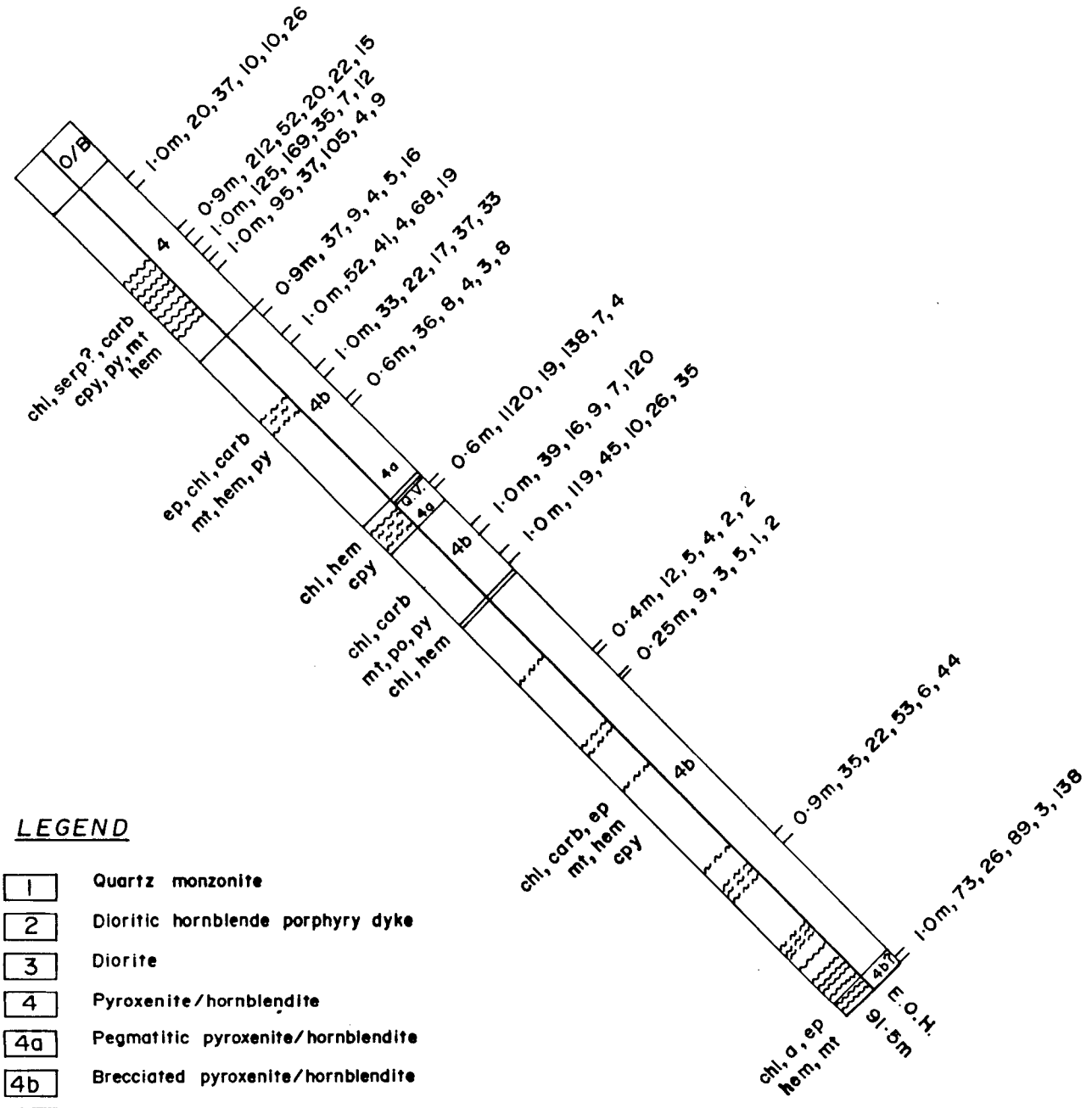
Canim Project

D.D.H. S-4

(BEARING 180°, DIP -60°)

MINCORD EXPLORATION CONSULTANTS LIMITED

Date Nov. 1989	N.T.S. 92P/15
Scale 1 : 500	Figure
By	



LEGEND

1	Quartz monzonite
2	Dioritic hornblende porphyry dyke
3	Diorite
4	Pyroxenite/hornblendite
4a	Pegmatitic pyroxenite/hornblendite
4b	Brecciated pyroxenite/hornblendite
4c	Peridotite
5	Porphyritic rhyolite

~~	fault	— — —	fracture
≈≈≈	shear	———	contact
ΔΔΔ	breccia		

0 5 10 15 20
metres

ALTERATION

ep	epidote
chl	chlorite
carb	carbonate
serp	serpentine
t	talc
a	argillic
se	sericite
si	silicified

MINERALIZATION

mt	magnetite
hem	hematite
cpy	chalcopyrite
py	pyrite
po	pyrrhotite
bo	bornite

ASSAYS

width / Cu(ppm), Ni(ppm), Au(ppb), Pt(ppb), Pd(ppb)

CEPEDA MINERALS INC.

Canim Project

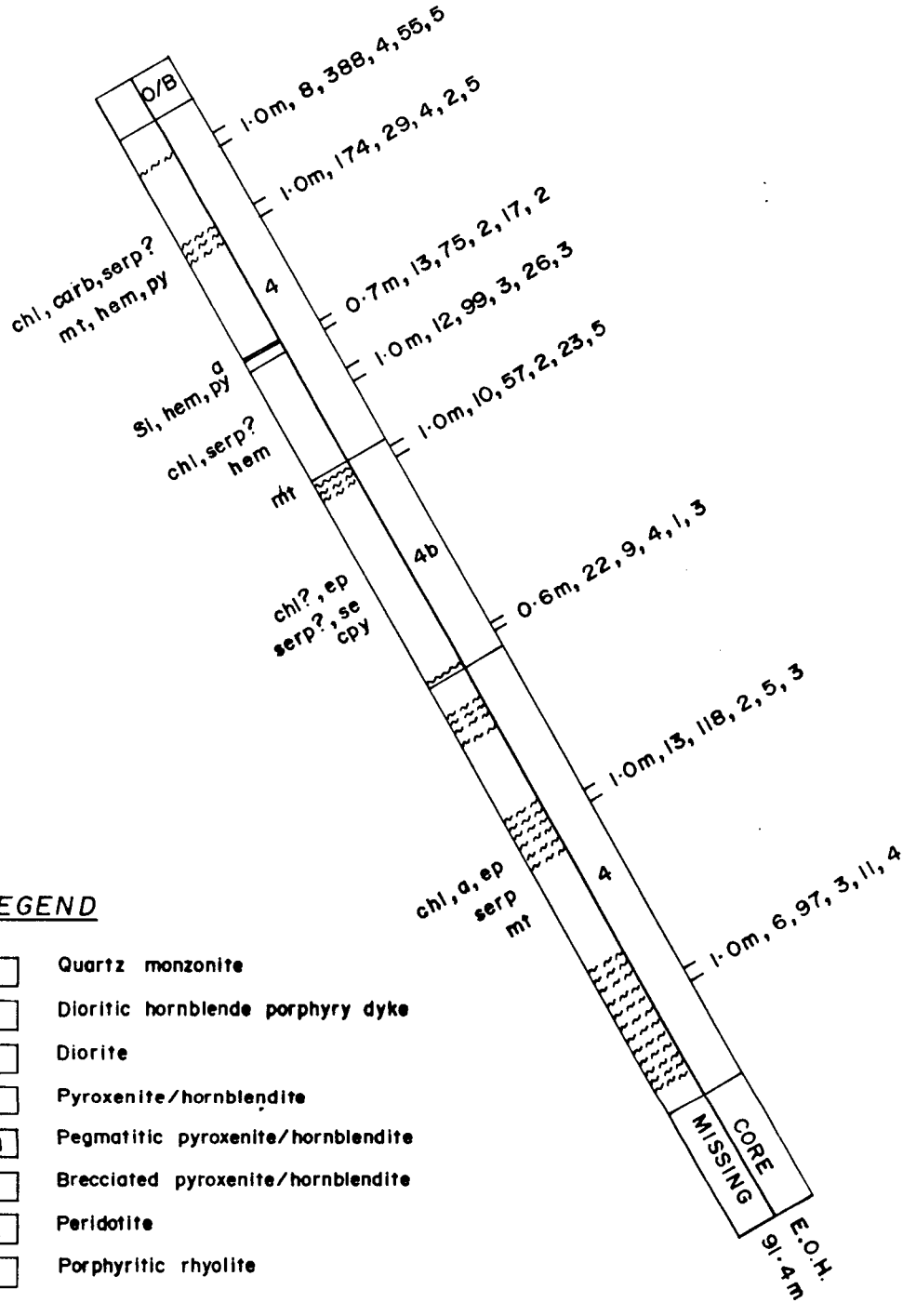
D.D.H. S-5

(BEARING 180°, DIP -45°)

MINCORD EXPLORATION CONSULTANTS LIMITED

Date Nov. 1989
Scale 1 : 500
By

N.T.S. 92P/15
Figure



LEGEND

1	Quartz monzonite
2	Dioritic hornblende porphyry dyke
3	Diorite
4	Pyroxenite/hornblendite
4a	Pegmatitic pyroxenite/hornblendite
4b	Brecciated pyroxenite/hornblendite
4c	Peridotite
5	Porphyritic rhyolite

fault — shear — breccia — fracture — contact

0 5 10 15 20 metres

ALTERATION

ep	epidote
chl	chlorite
carb	carbonate
serp	serpentine
t	talc
a	argillic
se	sericite
si	silicified

MINERALIZATION

mt	magnetite
hem	hematite
cpy	chalcopyrite
py	pyrite
po	pyrrhotite
bo	bornite

ASSAYS

width / Cu(ppm), Ni(ppm), Au(ppb), Pt(ppb), Pd(ppb)

CEPEDA MINERALS INC.

Canim Project

D.D.H. S-6

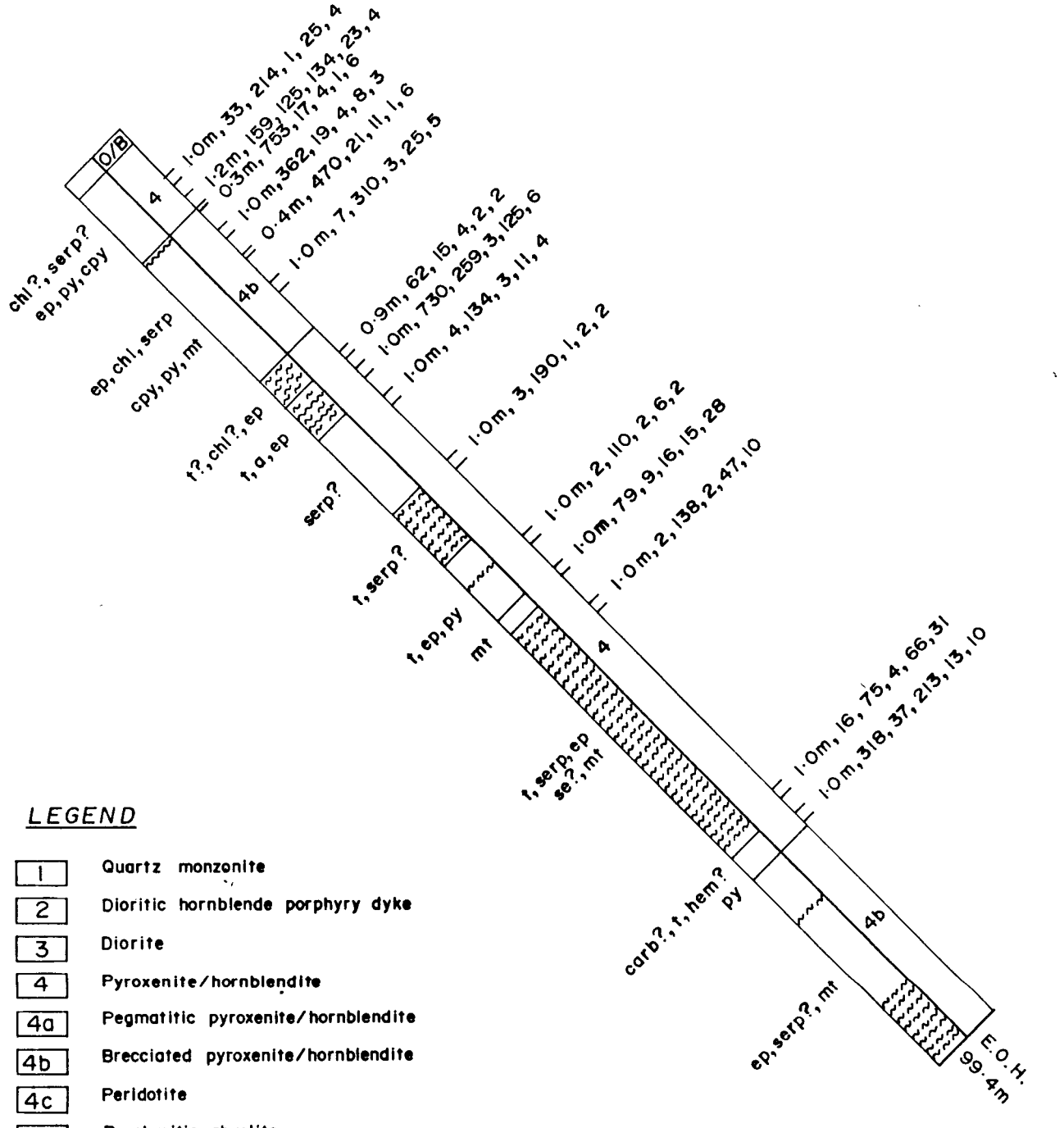
(BEARING 180°, DIP -60°)

MINCORD EXPLORATION CONSULTANTS LIMITED

Date Nov. 1989 | N.T.S. 92 P/15

Scale 1 : 500 | Figure

By



LEGEND

1	Quartz monzonite
2	Dioritic hornblende porphyry dyke
3	Diorite
4	Pyroxenite/hornblendite
4a	Pegmatitic pyroxenite/hornblendite
4b	Brecciated pyroxenite/hornblendite
4c	Peridotite
5	Porphyritic rhyolite

fault
shear
breccia
fracture
contact

0 5 10 15 20
metres

ALTERATION

ep	epidote
chl	chlorite
carb	carbonate
serp	serpentine
t	talc
a	argillic
se	sericite
si	silicified

MINERALIZATION

mt	magnetite
hem	hematite
cpy	chalcopyrite
py	pyrite
po	pyrrhotite
bo	bornite

ASSAYS

width / Cu(ppm), Ni(ppm), Au(ppb), Pt(ppb), Pd(ppb)

CEPEDA MINERALS INC.

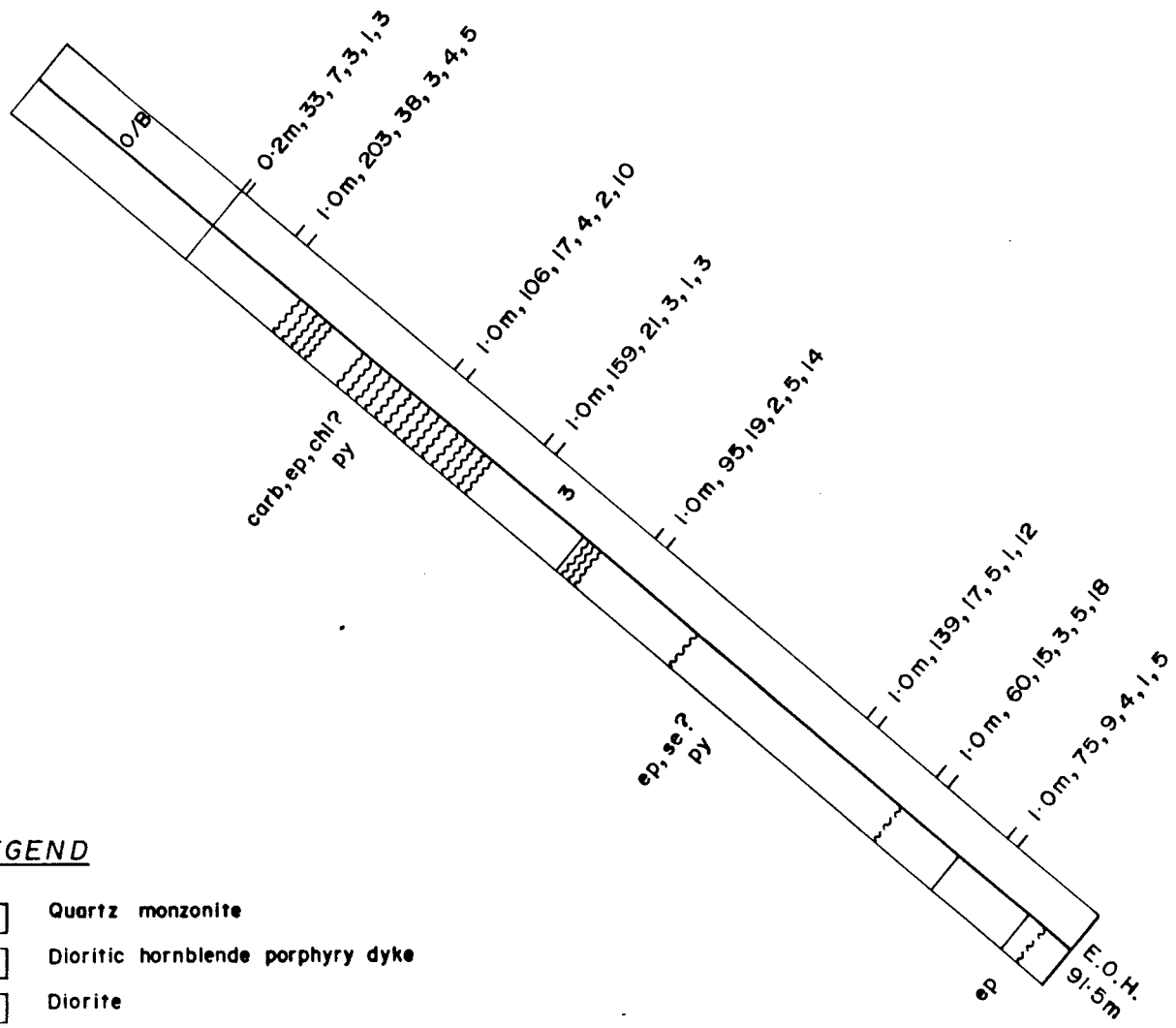
Canim Project

D.D.H. S-7

(BEARING 180°, DIP-45°)

MINCORD EXPLORATION CONSULTANTS LIMITED

Date Nov. 1989
Scale 1 : 500
By
N.T.S. 92 P/15
Figure



LEGEND

1	Quartz monzonite
2	Dioritic hornblende porphyry dyke
3	Diorite
4	Pyroxenite/hornblendite
4a	Pegmatitic pyroxenite/hornblendite
4b	Brecciated pyroxenite/hornblendite
4c	Peridotite
5	Porphyritic rhyolite

~~	fault
≈≈≈	shear
ΔΔΔ	breccia
— — —	fracture
———	contact

0 5 10 15 20
metres

ALTERATION

ep	epidote
chl	chlorite
carb	carbonate
serp	serpentine
t	talc
a	argillic
se	sericite
si	silicified

MINERALIZATION

mt	magnetite
hem	hematite
cpy	chalcopyrite
py	pyrite
po	pyrrhotite
bo	bornite

ASSAYS

width / Cu(ppm), Ni(ppm), Au(ppb), Pt(ppb), Pd(ppb)

CEPEDA MINERALS INC.

Canim Project

D.D.H. S-8

(BEARING 000°, DIP -40°)

MINCORD EXPLORATION CONSULTANTS LIMITED

Date Nov. 1989	N.T.S. 92 P/15
Scale 1 : 500	Figure
By	

Appendix 7

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Durfeld, R.M., 1985; Report on the Ironhorse Property, Clinton Mining Division, British Columbia. Private report for Reliant Resources Ltd. and Mr. Colin Campbell.

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Wilson, G.A., 1974; Petrographic Report 74-3. Private report for Pickands Mather & Co.

CANIM 2

CANIM 3

CANIM 1

HORSE CANIM 4

L.C.P.

Iron Lake

Island Lake

Susan Lake

Beverly Lake

L 8355

L 8331

BLOCK A BLOCK B

S-74-1 S-74-2 S-74-5 S-74-6 S-74-7 S-74-8

dykes (aplite ?)
280°-340°/34°-78° NE

5758 N

LEGEND

- Main road.
- Logging road.
- Creek.
- Lake.
- Swamp.
- 3100 — Contour. (100ft interval)
- S-74-2 — Approximate location of Diamond drill hole.
- Grid line with soil sample locations
- Rock sample location. (all samples are prefixed with CAB-89- except those with a dash, e.g. 4-89, which are prefixed CAF-)
- Sample site

LITHOLOGIES

TRIASSIC OR EARLY JURASSIC

1	Quartz monzonite
2	Dioritic Hornblende Porphyry Dyke.
3	Diorite
4	Pyroxenite / Hornblendite
4a	Pegmatitic Pyroxenite / Hornblendite
4b	Brecciated Pyroxenite / Hornblendite
4c	Peridotite

ABBREVIATIONS

ep	epidote
mt	magnetite
py	pyrite
cpy	chalcopyrite
bo	bornite

GEOLOGICAL SYMBOLS

- Outcrop
- Subcrop
- Contact
- Joint
- Foliation
- Glacial striae
- Sheer
- Fault, with pitch of slickensides as indicated

GEOLOGICAL BRANCH
ASSESSMENT REPORT
19,322

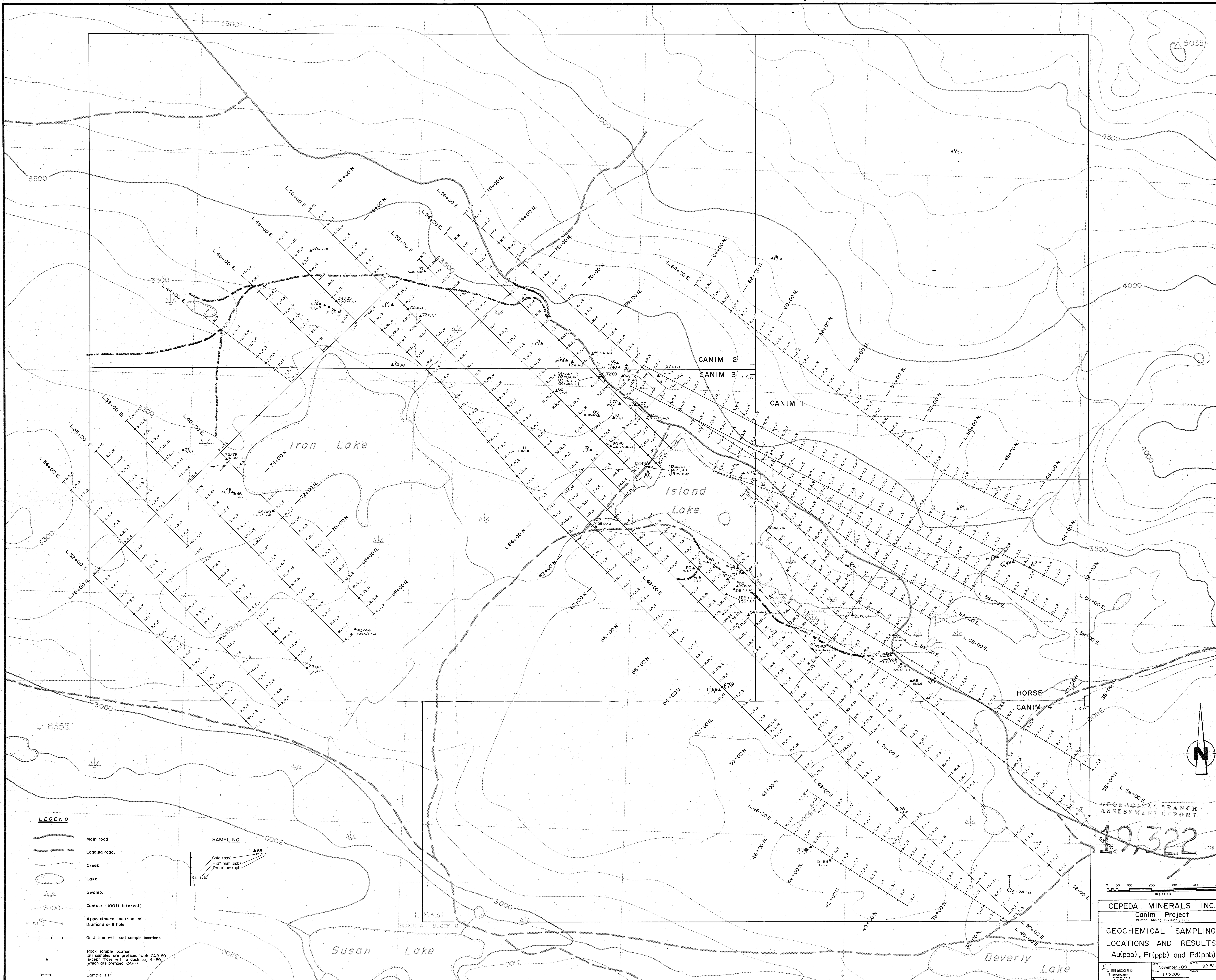
0 50 100 200 300 400 500 metres

CEPEDA MINERALS INC.
Canim Project
Clinton Mining Division, B.C.

GEOLOGY MAP

MINCORD EXPLORATION CONSULTANTS LIMITED

Date
N.T.S. 92 P/15
Scale 1:5000
Figure
By J.W.M



CANIM 2
CANIM 3
CANIM 1
CANIM 4
HORSE
Iron Lake
Island Lake
Susan Lake
Beverly Lake
L 8355
L 8331
BLOCK A
BLOCK B
LEGEND
Main road.
Logging road.
Creek.
Lake.
Swamp.
Contour. (100ft interval)
Approximate location of Diamond drill hole.
Grid line with soil sample locations
Rock sample location (all samples are prefixed with CAB·89·, except those with a dash, e.g. 4-89, which are prefixed CAF·)
Sample site
SAMPLING
Gold (ppb)
Platinum (ppb)
Paladium (ppb)
GEOLOGICAL BRANCH ASSESSMENT REPORT
19,322
metres
CEPEDA MINERALS INC.
Canim Project
Clinton Mining Division, B.C.
GEOCHEMICAL SAMPLING LOCATIONS AND RESULTS
Au(ppb), Pt(ppb) and Pd(ppb)
MINCORD EXPLORATION CONSULTANTS LIMITED
Date November /89
N.T.S. 92 P/15
Scale 1:5000
Figure
By J.W.M

CANIM 1

CANIM 2

CANIM 3

CANIM 4

HORSE

L.C.P.

Iron Lake

Island Lake

Susan Lake

Beverly Lake

L 8355

L 8331

BLOCK A BLOCK B

LEGEND

- Main road.
- Logging road.
- Creek.
- Lake.
- Swamp.
- 3100 — Contour. (100ft interval)
- S-74-2 — Approximate location of Diamond drill hole.
- Grid line with soil sample locations
- ▲ Rock sample location (all samples are prefixed with CAB-89, except those with a dash, e.g. 4-89, which are prefixed CAF-)
- Sample site

SAMPLING

36/44 — Nickel (ppm) / Copper (ppm)

0 50 100 200 300 400 500 metres

GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,322

CEPEDA MINERALS INC.

Canim Project
Clinton Mining Division, B.C.

GEOCHEMICAL SAMPLING LOCATIONS AND RESULTS
Ni (ppm) and Cu (ppm)

MINCORD EXPLORATION CONSULTANTS LIMITED

Date	November/89
N.T.S.	92 P/15
Scale	1:5000
Figure	
By	J.W.M