GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL REPORT

ON THE

PITT/TRINITY CLAIM GROUP

Trinity #1, Trinity #2, Gren 1-8, Pitt 1-4, BSL 1, BSL 2 and Gran Claims

Skeena Mining Division
N.T.S. 103H/12W
Latitude: 53°42′ N Longitude: 129°52′ W
OWNER: Inco Limited
OPERATOR: Inco Limited

Dennis M. Bohme, P.Eng.
Project Geologist
Inco Exploration and Technical Services Inc.
March 22, 1993

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1.0 SUMMARY

The Pitt/Trinity property is comprised of 222 contiguous claim units and is located on the northeast side of Pitt Island, approximately 70 km southeast of Prince Rupert, B.C. Access is by helicopter from Prince Rupert or by boat.

The property lies on the western edge of the Coast Plutonic Complex and is partly underlain by several northwest-striking pendants of highly metamorphosed sedimentary and volcanic rocks of the Lower Paleozoic Alexander Terrane. There are three principal pendant belts. The East Belt hosts the B Zone mineralization in quartz-biotite schist. The Central Belt is dominated by feldspathic biotite-quartz grit schist and biotite-chlorite schist. The West Belt contains biotite-quartz schist, muscovite-quartz schist, amphibolite dykes and granitoid boudins. This narrow pendant coincides with a prominent fault(?) lineament and hosts several pyrite-rich sulphide occurrences, including the Pyrite Creek Zone.

Most of the work prior to 1992 focused along a 600 m segment of polymetallic sulphide mineralization exposed intermittently along Pyrite Creek. The 1992 program included geological mapping, prospecting, line-cutting, rock/moss-mat sampling, hand-trenching and a horizontal-loop EM/magnetic/VLF geophysical survey. Follow-up prospecting in the vicinity of several airborne EM conductors led to the discovery of two base-metal showings; one 2 km north of Pyrite Creek (the B Creek Showing) and the other 1 km southeast of Pyrite Creek (the South Pyrite Creek Showing).

The Pyrite Creek Zone is a metamorphosed, stratiform, semi-massive to massive sulphide zone exposed intermittently over a strike length of 1.7 km and a vertical dimension of 0.45 km. True thickness of the zone varies between 0.2 - 1.6 m (pinch and swell). The mineralization, mainly pyrite with lesser chalcopyrite, sphalerite, galena, covellite and pyrrhotite, is spatially associated with a major stuctural zone and a large granodiorite intrusion. Base metal grades typically range from 0.9 - 4.2% Cu, 0.8 - 1.1% Pb and 1.3 - 4.3% Zn. Two adjacent chip samples returned an average grade of 4.46% Cu, 1.02% Pb, 7.06% Zn, 102.9 g/t Ag and 1.85 g/t Au across a 1.2 m wide section of structurally thickened mineralization. Drilling is recommended to explore the strike length and down-dip continuity of the sulphide zone.

The B Zone geophysical survey detected several coincident horizontal-loop EM and VLF conductors along the contact between the East Belt and the plutonic rocks. A weak conductivity response was detected along strike of a semi-massive pyrrhotite-pyrite zone (the B Creek Showing). Further work is warranted to evaluate the cause of the EM anomalies.

2.0 INTRODUCTION

This report documents the geological, geochemical and geophysical work conducted on the Pitt/Trinity claim group during the period June 1, 1992 to December 11, 1992. The property was explored for base metals.

2.1 Location, Access and Topography

The Pitt/Trinity property is located in the Coastal Mountains of northwestern British Columbia. The centre of the claim block is located 73 km south of Prince Rupert (Figure 1). The property lies along the northeastern edge of Pitt Island opposite Ormond Point on the Grenville Channel. There is limited logging activity on the northern and southern portions of the 90-km long island.

Access to the property is via helicopter or by boat. Flight time from Prince Rupert is about 30 minutes.

Topographic relief varies from moderately flat in the outer portion of the island to mountainous and locally very rugged in the interior. The climate is generally mild and very wet. The entire property is densely vegetated by rain forest. Elevations on the property range from sea level to over 800 m.

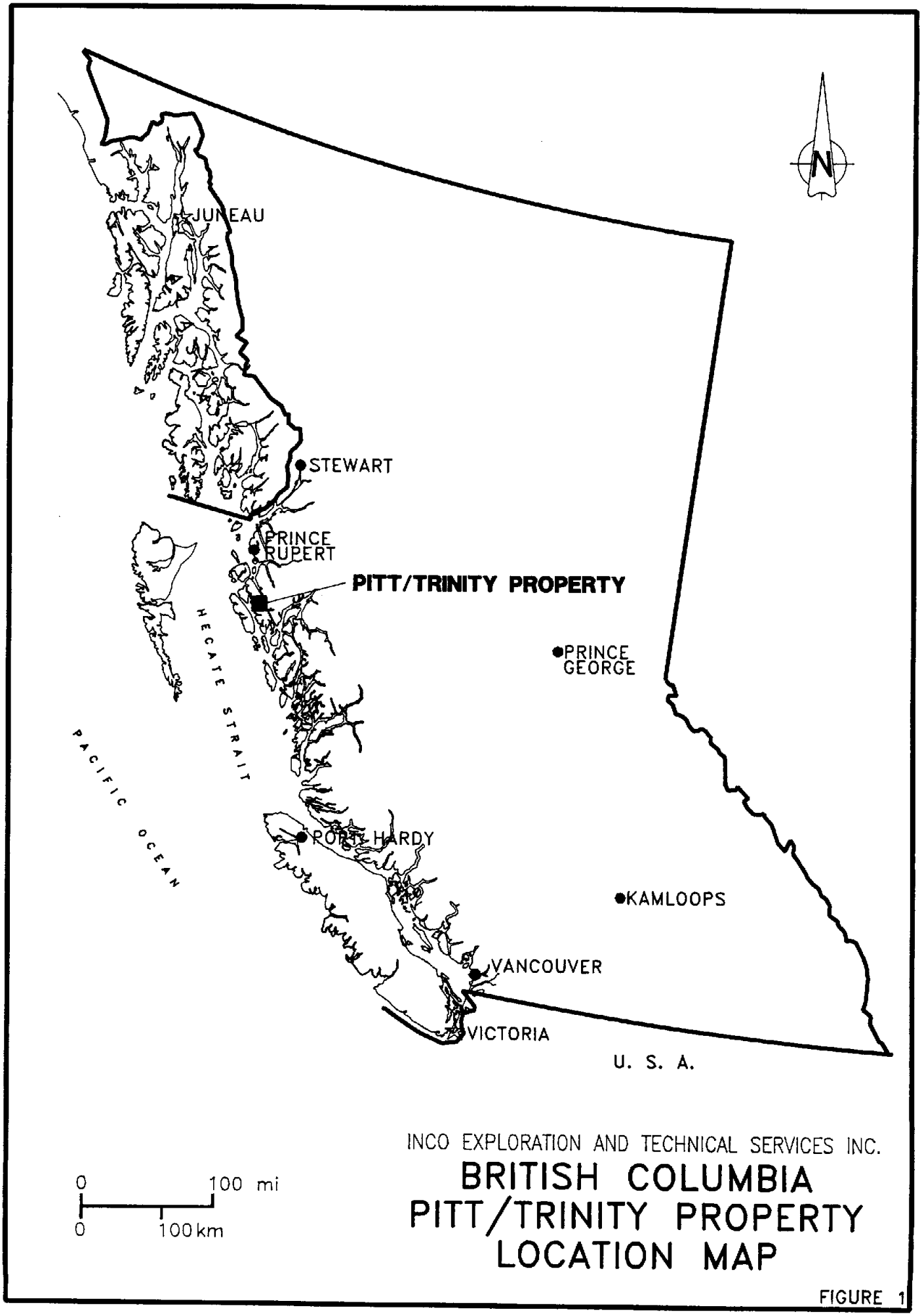
Bedrock exposure is generally good along steeply incised creek gullies and on most ridgetops.

2.2 Property Definition

The Trinity #1, Trinity #2, Gren 1-8, Pitt 1-4, BSL 1, BSL 2 and Gran claims are recorded in the Skeena Mining Division and comprise 222 contiguous units or 5550 hectares (Figure 2). The claims have been grouped under the names Grenville 1, 2 and 3 for assessment purposes. Pertinent details follow:

Group: Grenville 1

Claim	Units	Expiry Date	Tenure Number
Pitt 1	16	May 22, 1996	254518
Pitt 2	16	May 23, 1996	254519
Pitt 3	16	May 22, 1996	254520
Pitt 4	16	May 23, 1996	254521



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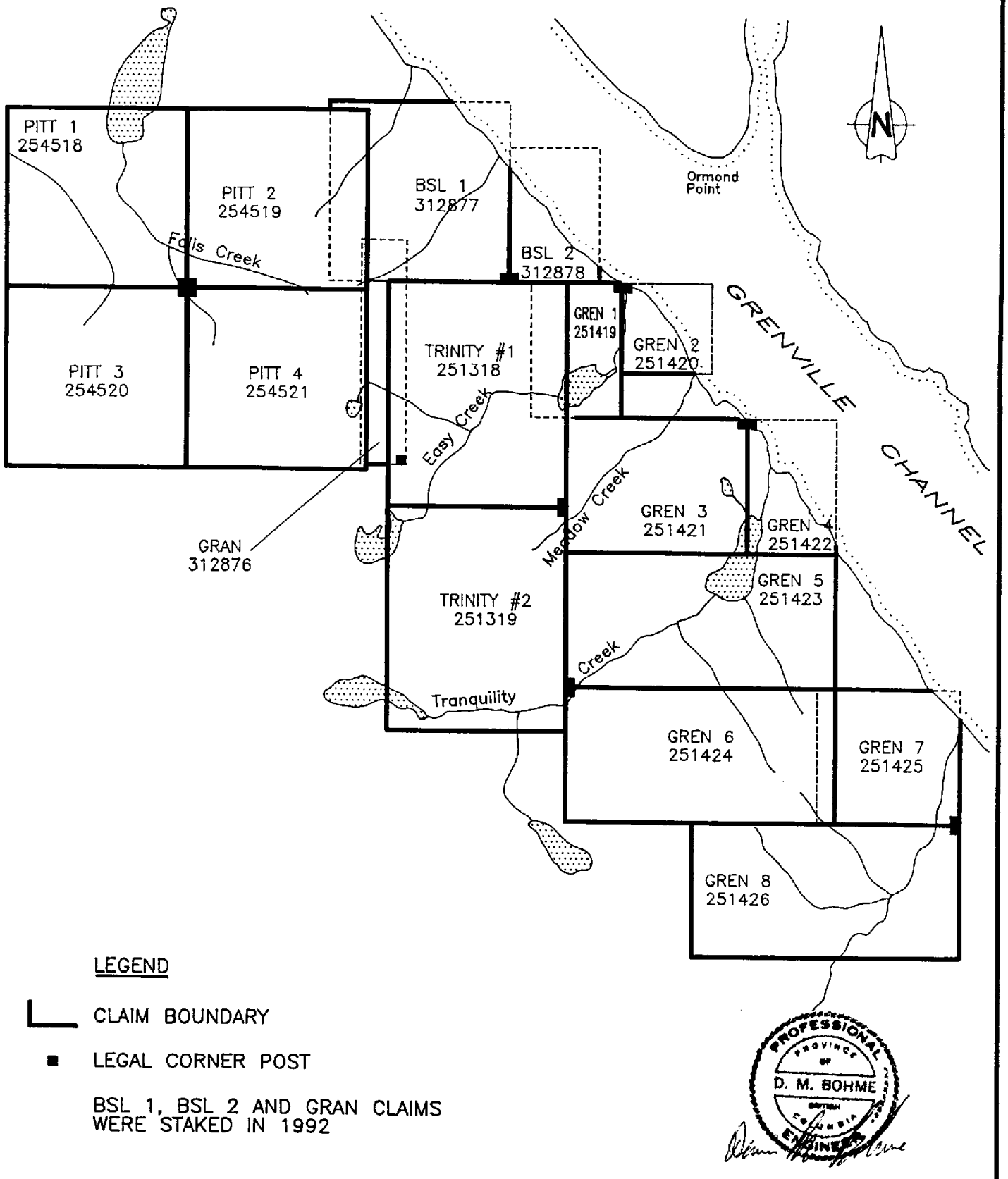
BRITISH COLUMBIA PITT/TRINITY PROPERTY LOCATION MAP

FIGURE 1



LEGEND

CLAIM BOUNDARY

LEGAL CORNER POST

BSL 1, BSL 2 AND GRAN CLAIMS WERE STAKED IN 1992

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
D. M. BOHME

0 1 2km

Scale

INCO EXPLORATION AND TECHNICAL SERVICES INC.

BRITISH COLUMBIA
PITT/TRINITY PROPERTY
CLAIM LOCATION MAP

FIGURE 2

PIT002

Group: Grenville 2

Claim	Units	Expiry Date	Tenure Number
Gran	5	September 3, 1993	312876
BSL 1	16	September 3, 1993	312877
BSL 2	6	September 2, 1993	312878
Trinity #1	20	March 3, 2000	251318
Gren 1	6	April 11, 2000	251419
Gren 2	4	April 11, 1998	251420
Gren 3	12	April 11, 1999	251421
Gren 4	6	April 11, 1998	251422

Group: Grenville 3

Claim	Units	Expiry Date	Tenure Number
Trinity #2	20	March 3, 2000	251319
Gren 5	18	April 11, 1999	251423
Gren 6	18	April 11, 1999	251424
Gren 7	9	April 11, 1998	251425
Gren 8	18	April 11, 1998	251426

All claims are currently owned by Inco Limited.

2.3 Property History

The exploration history is summarized as follows:

1980: A massive sulphide occurrence was discovered on Pyrite Creek by Ryan Exploration Company Ltd. (a subsidiary of US Borax) while conducting regional reconnaissance work along coastal B.C. The Pit claim was staked.

1981: Limited field work conducted on the claim.

1982: Evaluation of the property included mapping at 1:5000 and 1:1000 scale, rock sampling, prospecting and a VLF EM-16 (17.3 line-km) geophysical survey. The Pyrite Creek area was mapped as part of a B.Sc. thesis by B. McDonald. The highest assay reported was 7.8% Cu, 1.6% Pb, 8.7% Zn, 126 g/t Ag and 8.9 g/t Au.

1983: B. McDonald completed a B.Sc. thesis (U.B.C.) on the geology and opaque mineralogy of the main showing and host rocks along the Pyrite Creek avalanche gully.

1986: The Pit claim lapsed. The main showing area was restaked by B. McDonald and R. Haslinger as the Trinity #1 and #2 claims and subsequently optioned to BP Resources Canada Limited in April, 1986. The Gren claims were staked and BP Selco conducted regional mapping at 1:10,000 scale, prospecting, stream sediment sampling of the major drainages, limited soil sampling and detailed mapping and chip sampling of the Pyrite Creek sulphide zone. The massive sulphide exposures were mapped over a strike length of 300 m.

1987: No work was conducted and the option was dropped by BP Resources due to the low precious metal content of the massive sulphide zone.

1988: The property was optioned by Fair Harbour Mining Corporation and they completed a 2.6 line-km IP survey. They interpreted the sulphide-rich zone to extend at least 300 m further to the southeast from upper Pyrite Creek. Drilling was recommended.

1989: A six-hole BQ diamond drill program totalling 494 m was carried out to test the source of the IP anomalies and the down-dip continuity of the mineralization. Drilling intersected the zone over a 200 m strike length and to a depth of 70 m. The best drill intercept was 2.2% Cu, 1.2% Pb, 4.9% Zn, 44.6 g/t Ag and 0.31 g/t Au over 2.1 m.

1991: Atna Resources Ltd. staked the Pitt Claims. Atna Resources and Fair Harbour Mining each acquired 50% interest in the combined property. Inco Limited optioned the Pitt/Trinity claim group from Atna and Fair Harbour in December, 1991.

2.4 Work Summary

Field work was carried out during four periods in 1992 by Inco Exploration and Technical Services Inc. A helicopter-borne electromagnetic and magnetic survey was flown over the property in May, 1992. The survey results are reported in a geophysical assessment report by B. Lo (1992).

Between June 1 and June 30, a 4-person crew conducted mapping at 1:10000, 1:2000 and 1:500 scales, prospecting, rock sampling and hand trenching. Two camps were established to facilitate this program.

During the period August 19 to September 4, field work included follow-up prospecting of several airborne EM anomalies, rock and moss-mat sampling, claim staking and mapping. Day trips by a 4-person crew were made by helicopter from Prince Rupert to complete this work. The BSL 1 and BSL 2 claims were staked to cover the northwesterly strike extension of two parallel airborne EM anomalies known as the B Zone. The Gran claim covers a gap between the Trinity and Pitt claim blocks.

A camp was established near the B Creek sulphide discovery and between September 25 and October 19, the following field work was carried out on the B Zone: grid layout, 9.5 line-km of line-cutting, 8.9 line-km of geophysics (horizontal-loop EM, magnetics and VLF), rock sampling, moss-mat stream sediment sampling and mapping at 1:2000 scale.

A total of ten moss-mat stream sediment and 348 rock samples were collected. Sample descriptions and analytical results are included in Appendices II and III, respectively. The elements Cu, Pb and Zn are plotted for all rock and moss-mat stream sediment samples.

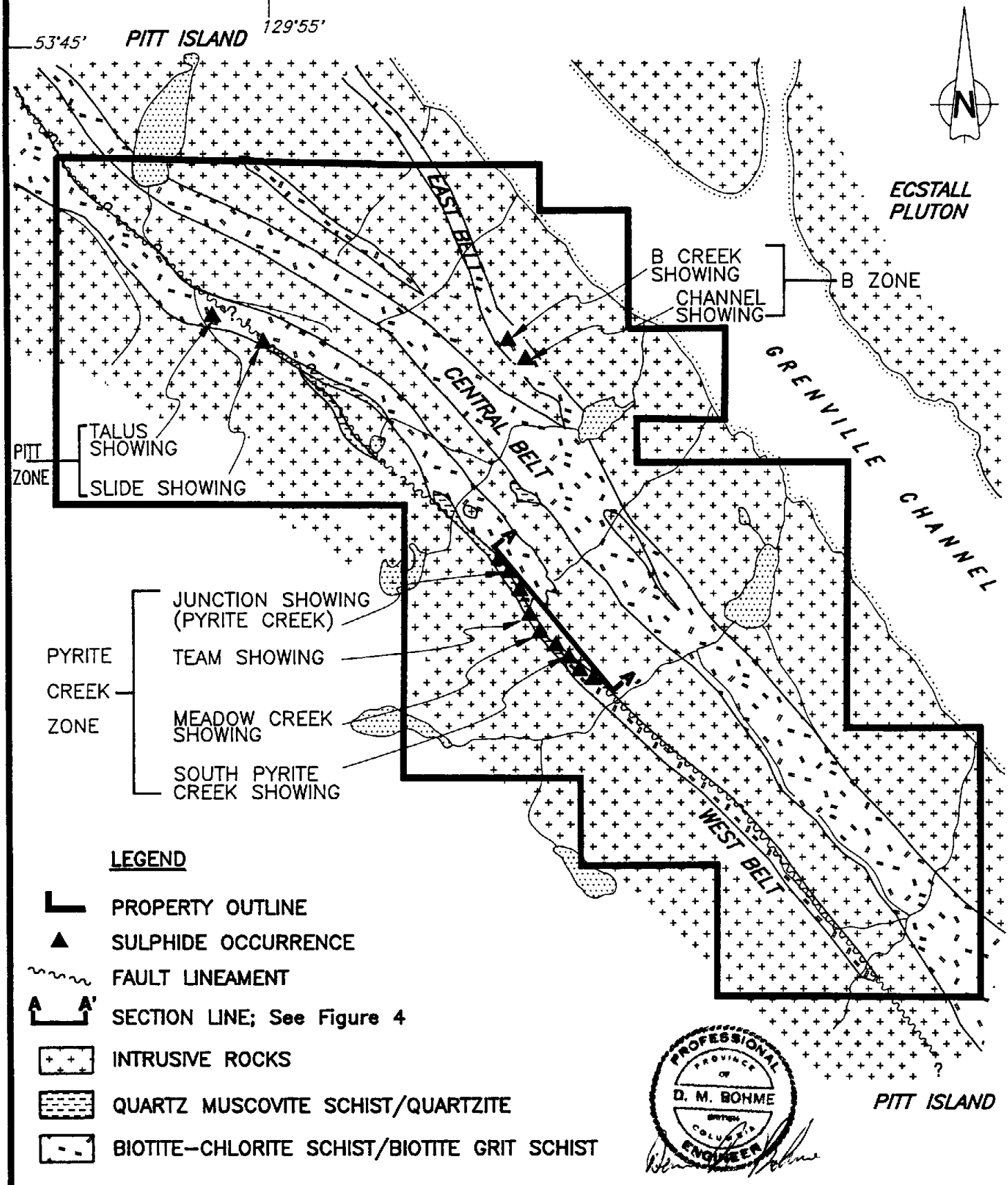
Eight rock specimens were submitted for petrography and the descriptions are included in Appendix IV.

3.0 REGIONAL GEOLOGY

The property lies on the western edge of the Coast Plutonic Complex and is partly underlain by several pendants of highly metamorphosed sedimentary and volcanic rocks of the Lower Paleozoic Alexander Terrane (Figure 3).

The Douglas Channel-Hecate Strait area was mapped by the Geological Survey of Canada in the early-to mid-1960's. They noted that approximately 85% of the map area is underlain by gneissic granitoid rocks and the remainder by metasedimentary and metavolcanic rocks. The oldest stratified rocks are the granitoid gneisses (pre-Permian age) which underlie extensive areas of the Coast Plutonic Complex (Roddick, 1970).

Roddick et al (1970) show Pitt Island to be partly underlain by a narrow pendant of biotite-quartz-feldspar-chlorite schist, biotite schist (locally garnetiferous) and amphibolite with minor crystalline limestone, pebble-conglomerate, micaceous quartzite and phyllitic schist. The pendant rocks display a prevailing northwest trend and a steep northeast to vertical dip. The metamorphic grade is garnet-amphibolite facies. All rock types have undergone extensive deformation and recrystallization and are highly schistose.



INCO EXPLORATION AND TECHNICAL SERVICES INC.

BRITISH COLUMBIA
PITT/TRINITY PROPERTY
PROPERTY GEOLOGY MAP
(Simplified)

FIGURE 3

The Grenville Channel is interpreted by the GSC to be a dextral strike-slip fault (Grenville Channel Fault).

4.0 PROPERTY GEOLOGY

The convention used to describe the metamorphic rocks discussed in this report names the minerals in decreasing order of abundance. Thus, a muscovite-quartz-biotite schist contains more muscovite than biotite.

The metasedimentary-metavolcanic rocks occur as northwest-striking, steeply-dipping screens and pendants measuring several 100's of metres wide and at least 16 km along strike. These rocks are enclosed in and intruded by unfoliated to strongly foliated to gneissic biotite granodiorite, diorite, quartz diorite and quartz monzonite (Maps 1 and 2).

Three principal metamorphic pendant belts occur on the property. The East Belt, up to 350 m wide, hosts the B Zone sulphide occurrences and is characterized by pyritic quartz-biotite schist with intercalated carbonaceous argillite. The strike extension of this belt, as identified on airphotos, extends onto the Pitt 2 claim.

The Central Belt, up to 1050 m wide, is dominated by feldspar-biotite-quartz grit schist (locally carbonaceous), biotite-chlorite schist, garnet-bearing biotite-muscovite schist and minor quartzite.

The West Belt, between 50 - 500 m wide, is characterized by biotite-quartz schist, pyritic muscovite-quartz schist, micaceous quartzite, discontinuous amphibolite dykes and lenticular granitic boudins. This narrow belt of deformed metavolcanic and metasedimentary rocks coincides with a major fault(?) lineament (Pyrite Creek Lineament) that is prominent on airphotos. This belt also hosts several pyrite-rich, stratiform, semi-massive to massive sulphide showings in the Pyrite Creek Zone and the Pitt Zone. The contact between the pendant rocks and the foliated to gneissic plutonic rocks ranges from sharp to gradational.

4.1 Description of Lithologies

Previous geological mapping by Ryan Energy (1983), B. McDonald (1983) and B.P. Resources (1986) established the main lithological units on the property and their geological legend was retained with slight modification. The main descriptive highlights for each lithology follow, but the reader is referred to the above reports for further details.

The rocks types are summarized from oldest to youngest as follows:

Biotite-Muscovite-Garnet Schist (unit 1)

These fine-grained micaceous rocks are characterized by a metamorphic assemblage of biotite, muscovite and chlorite with narrow intercalated zones of black phyllite and rusty-weathering carbonaceous argillite. Fine- to medium-grained garnet and minor amounts of disseminated pyrite give the rocks a spotted appearance.

Carbonaceous argillite is intercalated with biotite-quartz schist (unit 3) within the Central Belt and East Belt. Pyritic argillite typically forms gossanous zones.

Amphibolite; Hornblende Schist (unit 2)

Fine-grained, acicular, hornblende-rich schist or amphibolite occurs mainly in two areas: at the Pyrite Creek Zone as narrow, discontinuous dykes in biotite-quartz schist; and at the lower portion of Easy Creek as discrete, narrow interbands within feldspar-biotite grit schist. At the Pyrite Creek Zone, foliated and locally folded amphibolite dykes occur near the concordant massive sulphide zone and are exclusively hosted in the footwall biotite-quartz schist. This unit also contains abundant very fine-grained magnetite.

Pyritic Biotite-Quartz Schist (unit 3)

Biotite-quartz schist is the predominant rock type comprising the East Belt. This unit forms the structural footwall of the mineralization at Pyrite Creek and also is the dominant lithology at the B Zone. Chlorite occurs locally as coarse-grained overgrowths after biotite. Contacts with other units, including the sulphide-rich zone, are gradational over several metres. Textures vary from fine- to coarse-grained and pyrite occurs in concentrations of up to 5%. Coarse-grained quartz-rich segregations commonly occur east of Pyrite Creek. DeLancey (1992) noted that petrographic work identified cordierite in a specimen from the footwall.

Feldspar-Biotite-Quartz Grit Schist (unit 4)

Weathered surfaces of this unit are mottled, rusty-black to grey-white depending on the grain size and feldspar-pyrite ratio. A diagnostic fine- to medium-grained gritty "salt and pepper" texture is apparent on the fresh surface. Most of the Central and West Belts are comprised of this unit.

The dominant lithology of unit 4 is a well-layered feldspar-biotite-quartz to feldpathic biotite grit schist, but other variations include fine-grained biotite-chlorite schist, biotite-garnet schist and biotite-muscovite-chlorite schist. Pyrite content is usually less than 5%.

Phlogopite and sillimanite were identified in thin section from a specimen labelled quartz-plagioclase-pyrite schist.

Semi-Massive Sulphide Schist (unit 4a)

Outcroppings of the sulphide-rich zone vary from massive pyrite-chalcopyrite to semi-massive, strongly schistose, granular sulphides with up to 50% interstitial biotite and muscovite. The semi-massive, pyrite-rich, sulphide schist is more common and tends to weather more recessively. Friable sections weather dull-yellow to ochre-brown.

The sulphide occurrences at Pyrite Creek exhibit an unusual coarse-grained fragmental texture that is the result of tectonic fragmentation or milling of competent silicate rock within an incompetent sulphide matrix. Vokes (1969) calls this texture "durchbewegung" and explains the silicate rock inclusions as clasts of wall rock which have been broken off as a result of plastic flow of the sulphides during metamorphism. McDonald (1983) identified rounded to sub-rounded fragments representing at least three different rock types which, in decreasing order of abundance, are massive quartz, quartz-biotite schist and cherty quartzite. Some of the quartz-rich fragments exhibit a relic granitoid texture. Siliceous clasts comprise between 5 - 25% of the massive sulphide and fragments may be up to 20 cm long (typically less than 5 cm). The clasts commonly contain finely disseminated chalcopyrite, pyrite and galena.

Principal sulphide minerals in decreasing order of abundance are pyrite, chalcopyrite, sphalerite, pyrrhotite, galena, covellite and possibly bornite. In addition to biotite and muscovite, minor amounts of plagioclase, quartz and apatite are intergrown with the sulphides. Barite is associated with the opaque minerals, either as inclusions or adjoining grains. Samples of massive sulphide from the Pyrite Creek Zone contain up to 5.5% barium (the majority range between 1.0 - 2.5% Ba).

Muscovite-Quartz Schist (unit 5)

This unit generally follows the granodiorite contact throughout the area defined as the Pyrite Creek Zone and is almost exclusively found in the structural hanging wall of the sulphide zone. Granular pyrite, locally in concentrations of up to 40%, is disseminated throughout the light-grey to white-buff unit. Grain size varies from fine sericite to coarse, platy flakes of friable muscovite. Narrow interbands of biotite-muscovite schist and competent quartzite or chert(?) layers are relatively common, particularly at the Junction Showing. The contact between this unit and the foliated granodiorite intrusion is usually quite sharp. The muscovite schist is locally interlayered with biotite-quartz schist.

A thin section of quartz-muscovite schist from the South Pyrite Creek Showing is described as a pyritic siliceous exhalite(?) with disseminated chalcopyrite, galena and sphalerite. Porphyroblastic chlorite, acicular grains of sillimanite and minor apatite is noted in thin section from a nearby sample of biotite-quartz-muscovite schist.

Micaceous Quartzite (unit 6)

The white- to buff-brown coloured quartzite is confined to the hanging wall of the sulphide zone. The contact is gradational with the muscovite-quartz schist. The quartzite is characterized by a rusty-brown rind up to 2 cm thick on weathered surfaces and a white, fine- to medium-grained granoblastic to weakly foliated texture on fresh surfaces. Thin bands and irregular laminae of muscovite and biotite are common. This unit contains minor amounts of fine-grained pyrite.

A light- to dark-grey quartzite unit occurs about 0.5 km east of the Pyrite Creek Zone. This fine-grained to aphanitic rock is poorly banded and contains minor amounts of mica and pyrite.

Feldspar-Quartz-Biotite Augen Gneiss (unit 7)

This unit was observed at one locality only. Petrography by McDonald (1983) indicates a metasedimentary protolith (paragneiss) whereas Bradley (1986) suggests that the gneiss is a migmatitic phase of the granodiorite intrusion. The contacts are poorly exposed and no cross-cutting relationships were observed.

Unit 7 is medium- to coarse-grained and is heterogeneous. It is characterized by the presence of flattened to sub-rounded augens of feldspar (up to 10 cm in length) and discontinuous bands and laminae of quartz, feldspar, biotite and minor muscovite. Foliation varies from strong to weak.

Biotite Granodiorite to Quartz Diorite (unit 8)

This unit is a weak- to well-foliated intrusive body consisting predominantly of biotite granodiorite but ranging from quartz monzonite to quartz diorite. Garnet, epidote, pyrite and hornblende are present in trace amounts. The contacts of the pluton are usually sharp but gradational mylonitic and migmatitic textures are seen in a few places.

4.2 Structure

The dominant structural feature is the foliation. Foliation strikes consistently to the north-northwest and dips from vertical to 60° both to the southwest and northeast. Near the Junction Showing in Pyrite Creek, the foliation strikes 130° to 150° and dips about 75° to the southwest.

Small- to moderate-scale Z and S-shaped folds are most apparent in the metasedimentary pendant rocks. Most of the fold axes in Pyrite Creek plunge steeply to the north-northwest. In the Meadow Creek drainage, the fold axes plunge steeply to the southeast.

A prominent S-shaped fold of amphibolite just below the Junction Showing plunges 30° to the northwest. The cleavage penetrates the fold whereas 50 m upstream both the sulphides and the cleavage are folded.

The Pyrite Creek Zone of mineralization lies parallel to and within 3 to 20 m of the Pyrite Creek Lineament. This lineament is parallel to the trend of the Grenville Channel Fault. Both ductile (slickensides, gouge) and brittle deformation (discordant fracturing) is evident in several localities along the Pyrite Creek lineament. There is no clear evidence for offset. Polished slickensides measured at South Pyrite Creek strike 160° and plunge 75° to the southwest.

Stretched and attenuated granitic boudins, up to 15 m long, are associated with the Pyrite Creek structural zone. These dyke-like bodies are muscovite-rich and locally pegmatitic. Discordant quartz-filled, brittle fractures were observed in a few places along Pyrite Creek.

The sequence (muscovite schist/quartzite in the hanging wall and biotite schist/amphibolite in the footwall) that hosts the sulphide zone at Pyrite Creek is cut off by a granodiorite pluton just northwest of Easy Creek. The pluton forms a pronounced bow in the West Belt (Figure 3 and Map 1). Contacts observed in this area, particularly between the pyritic muscovite schist and the intrusive, are sharp. The Pyrite Creek Lineament does not parallel the contact in this area but transects the intrusive body for two kilometres. On the Pitt 2 and 4 claims, the lineament is marked by dykes, pyrite-bearing muscovite-quartz schist and biotite-rich rocks similar to those mapped in the Pyrite Creek gully. The foliation is locally sheared and highly contorted. The quartzite and amphibolite units are not present within the West Belt northwest of Easy Creek.

5.0 MINERALIZATION

The Team, Meadow Creek, South Pyrite Creek, Channel and B Creek Showings are base-metal discoveries made during the 1992 field season. The Junction, Team and Meadow Creek and South Pyrite Creek Showings comprise the Pyrite Creek Zone.

The Talus and Slide showings are the principal mineral occurrences within the Pitt Zone. Both showings lie along the projected northwest strike length of the Pyrite Creek Lineament.

No massive sulphide occurrences were found along the trend of the lineament southeast of the South Pyrite Creek Showing.

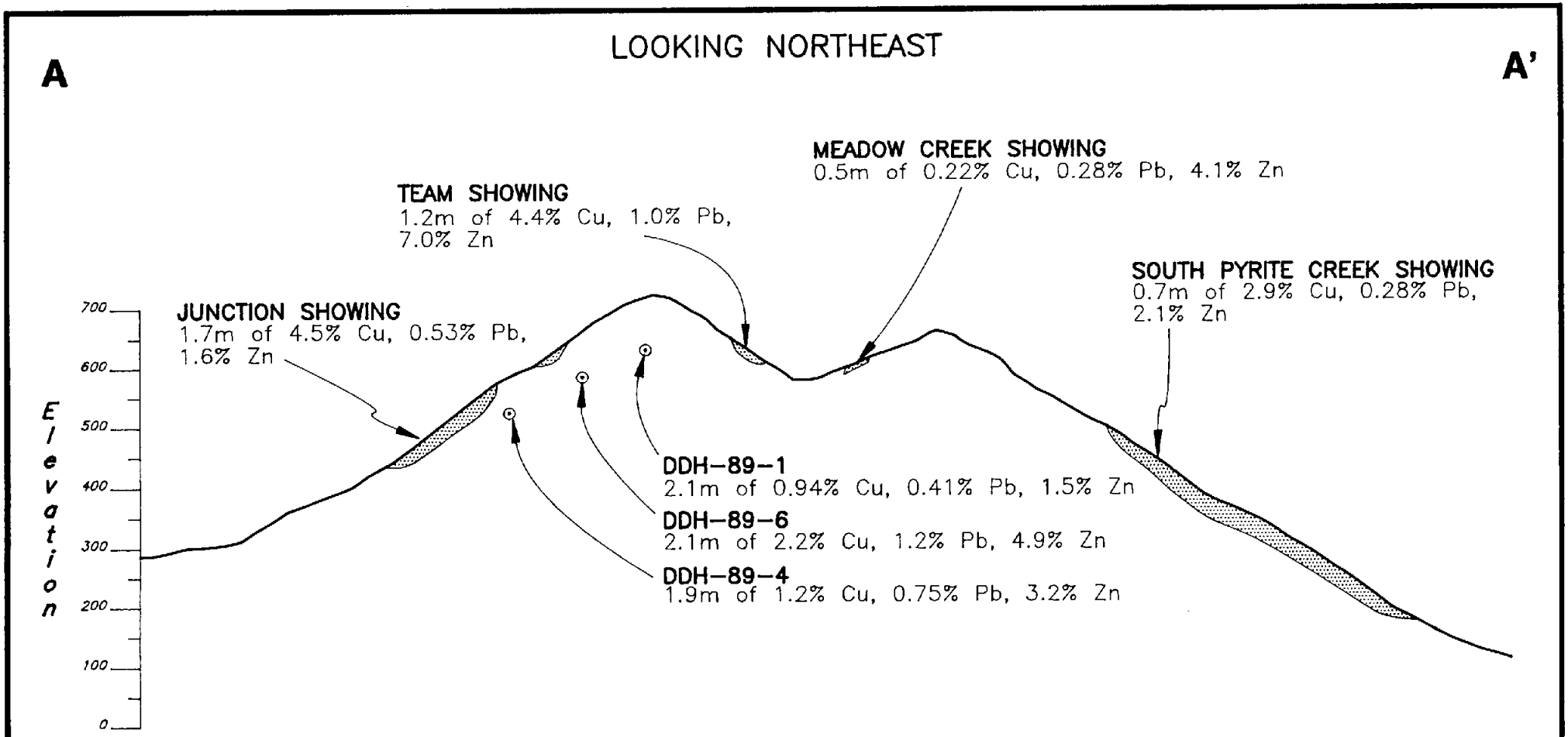
5.1 Pyrite Creek Zone

The Pyrite Creek Zone is characterized by a stratiform, elongate, semi-massive to massive sulphide zone exposed intermittently over a strike length of 1.7 km and vertical dimension of 0.45 km (Figure 4). True thickness varies between 0.2 - 1.6 m (pinch and swell) and the sulphide zone dips steeply to the southwest.

Massive sulphide mineralization (predominantly pyrite with lesser chalcopyrite, sphalerite, galena, pyrrhotite and covellite) appears to be contained within a lithologic sequence with quartzite, pyritic muscovite-quartz and intercalated biotite schist in the structural hanging wall and biotite-quartz schist, amphibolite and minor muscovite schist in the structural footwall (Map 3). Local structural complexities are evident at the Team Showing area. In all cases, the massive sulphide zone lies within 5 to 20 m of and parallel to the contact between the pendant rocks and the granodiorite.

5.1.1 Junction Showing

The Junction Showing, defined by mapping as a 50 by 10 m area along Pyrite Creek, contains several important characteristics different from rest of the Pyrite Creek Zone (Map 4). These features include a thickening of the massive sulphide zone, massive chalcopyrite-rich mineralization, thin cherty siliceous bands within the muscovite/sericite-quartz-pyrite schist in the hanging wall and chloritization of biotite in the footwall.



LEGEND

⊙ PIERCE POINT; 1989 DRILLING

MASSIVE SULPHIDE EXPOSURE AT SURFACE

0 250m

Scale 1:10000

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
D. M. BOHME

INCO EXPLORATION AND TECHNICAL SERVICES INC.

BRITISH COLUMBIA
PITT/TRINITY PROPERTY
PYRITE CREEK ZONE
LONGITUDINAL SECTION @35° Az

FIGURE 4

BP Selco mapped two massive sulphide bands, each about 1 to 1.5 m wide, separated by a 2 m thick band of muscovite-quartz-pyrite schist. Detailed mapping by Inco indicates that the pyrite-rich muscovite schist interband is a shear zone that cuts the massive sulphide zone. The shear zone fabric is slightly oblique to the strike of the massive sulphide zone and the schistosity developed in the surrounding schists. Within the shear zone, the massive sulphides are deformed by both ductile and brittle deformation such that they have been sliced into several small semi-massive sulphide lenses separated by narrow zones of highly schistose pyrite-rich muscovite schist. This muscovite-pyrite schist band also carries large granitoid(?) clasts and elevated base metal values (up to 7286 ppm Cu, 3860 ppm Pb and 2373 ppm Zn).

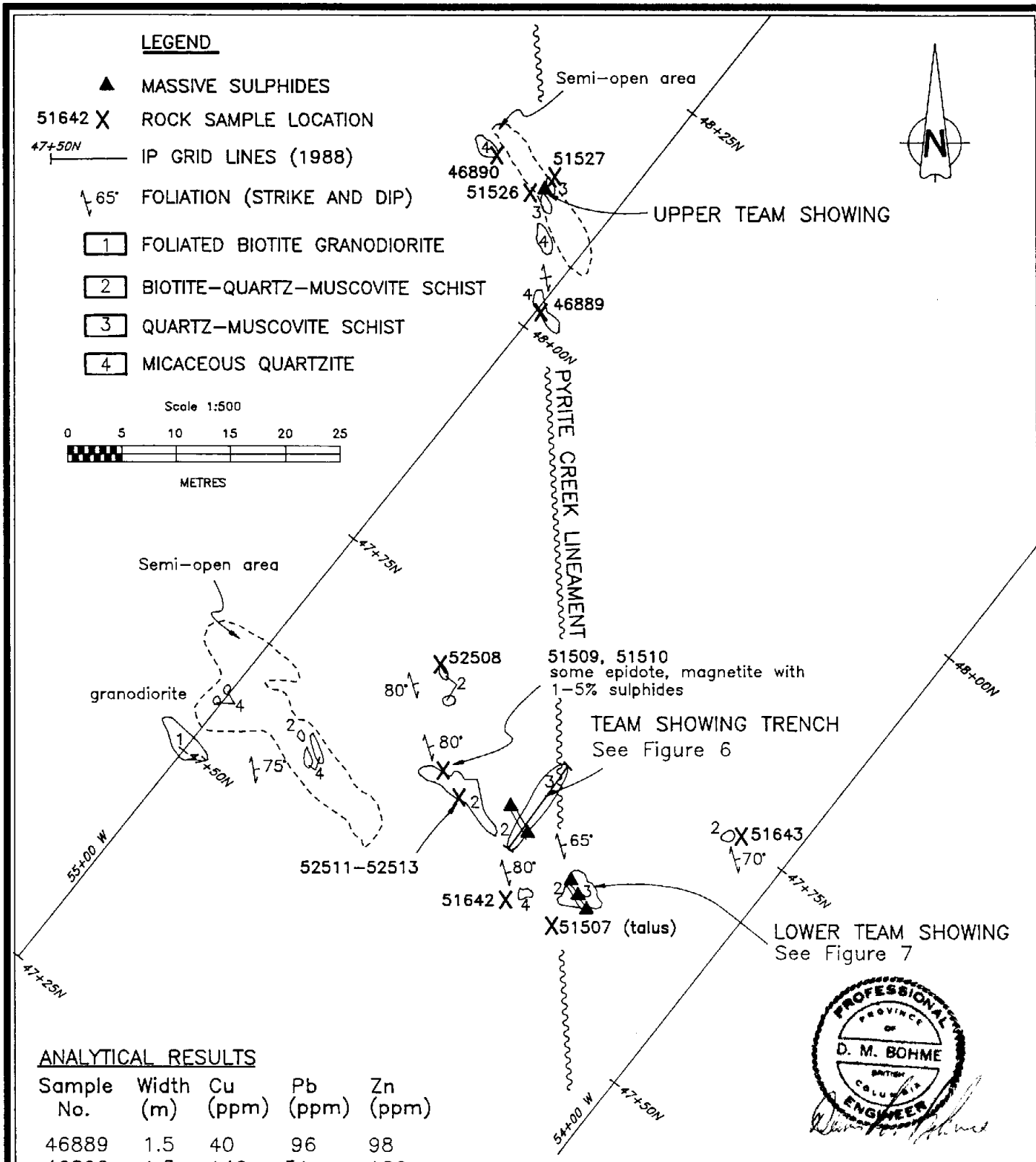
Bradley (1986) reported the average of ten channel samples across the thicker, central section of the zone as follows: 2.32% Cu, 0.57% Pb, 2.53% Zn, 52.0 g/t Ag and 0.48 g/t Au. Inco collected 20 rock chip samples from the same area and obtained comparable results. The average grade of two adjacent chip samples (RX 51614 and 51616) is 4.57% Cu, 0.53% Pb, 1.69% Zn and 47.4 g/t Ag over a 1.7 m width. The mineralization is also anomalous in Mo (118 ppm), Bi (147 ppm) and Ba (23,801 ppm).

5.1.2 Team Showing

Hand trenching downslope from an IP anomaly led to the discovery of the Team Showing, Upper Team Showing and the Lower Team Showing (Figure 5). The Pyrite Creek Lineament is evident by the well-developed shear fabric in the pyrite-bearing muscovite schist at the Upper Team and Team Showings. Micaceous quartzite, muscovite schist and discrete zones of biotite-quartz-pyrite schist (locally epidote-altered) occur in the structural hanging wall of the massive sulphide zone.

The Team Showing massive sulphide occurs within the hinge of a tight isoclinal, vertically plunging fold resulting in minor thickening (Figure 6). The massive sulphide contains pyrite, chalcopyrite, covellite, bornite(?), galena and sphalerite, and is enclosed within a strongly foliated and locally sheared muscovite-quartz-pyrite schist. A small-scale fold is apparent by the converging attitude of the enclosing schists and the folded fabric of the massive sulphides.

The weighted average of two chip samples (0.75 m and 0.45 m) produced 1.2 m averaging 4.46% Cu, 1.02% Pb, 7.06% Zn, 102.9 g/t Ag and 1.85 g/t Au. The mineralization is highly anomalous in Ba and Hg, (up to 41000 ppm and 39 ppm, respectively) and moderately anomalous in Mo (167 ppm), Sb (39 ppm), As (16 ppm), Cd (575 ppm) and Bi (64 ppm).



ANALYTICAL RESULTS

Sample No.	Width (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)
46889	1.5	40	96	98
46890	1.5	140	51	186
51507	0.4	4047	10952	1548
51508	0.4	156	286	147
51509	0.4	156	343	178
51510	0.3	320	39	28
51511	0.4	1003	1141	1321
51512	0.5	3263	1138	1664
51513	0.6	381	137	281
51526	0.4	12757	3159	44993
51527	0.6	854	1142	1114
51642	0.5	329	526	283
51643	1.5	189	29	2

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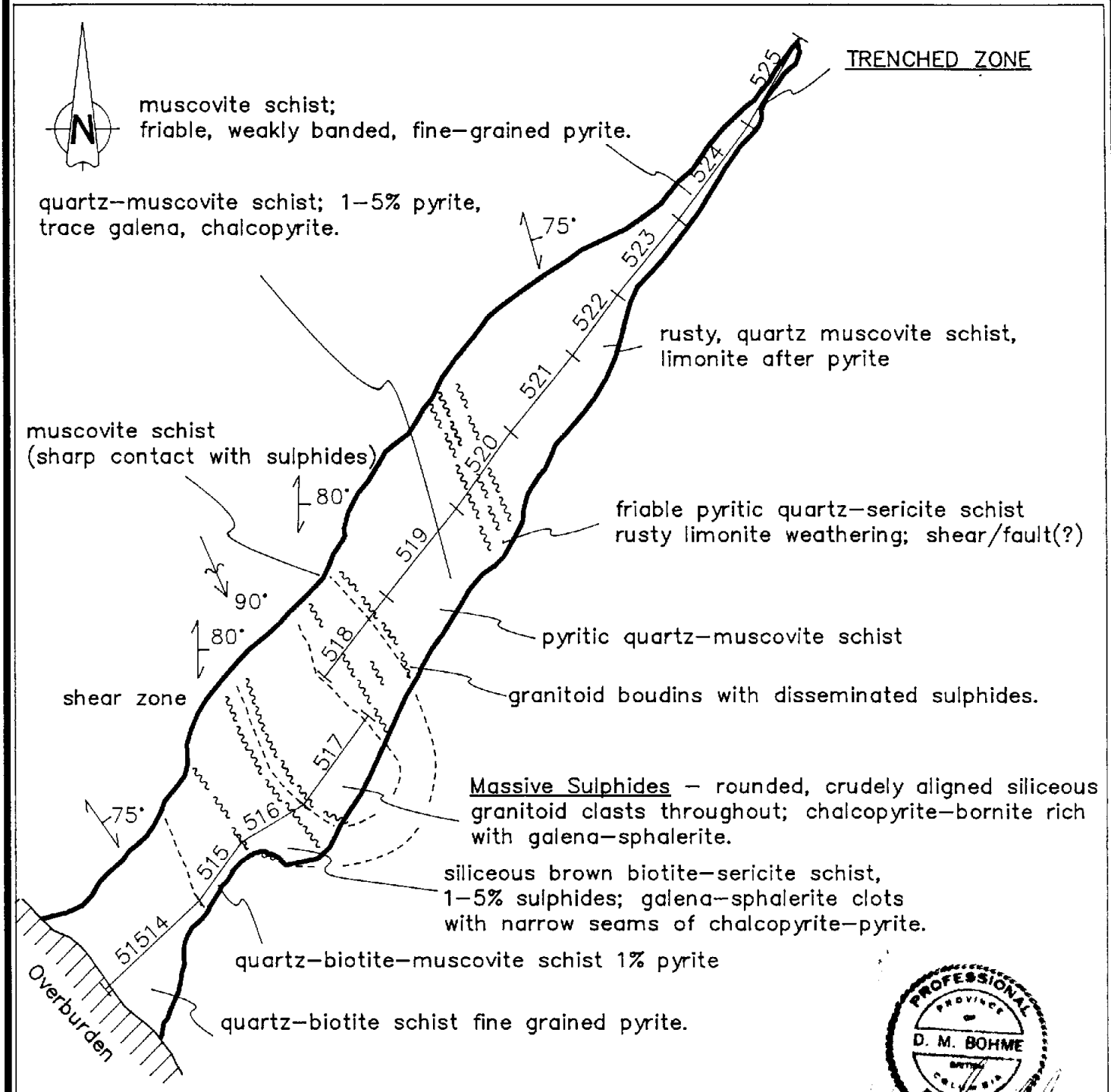
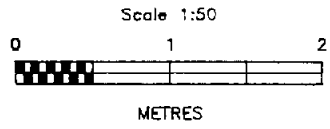
BRITISH COLUMBIA PITT/TRINITY PROPERTY TEAM SHOWING AREA GEOLOGY, GEOCHEMISTRY AND SAMPLE LOCATIONS

FIGURE 5



ANALYTICAL RESULTS

Sample No.	Width (m)	Cu(%)	Pb(%)	Zn(%)
51514	0.5	0.04	0.04	0.02
51515	0.5	0.14	1.16	6.57
51516	0.2	0.38	0.11	0.31
51517	0.75	4.68	0.95	7.62
51518	0.45	4.07	1.12	6.11
51519	1.0	1.40	0.33	0.75
51520	0.8	0.13	0.07	0.09
51521	1.0	0.05	0.06	0.08
51522	1.0	0.12	0.09	0.13
51523	1.0	0.03	0.08	0.01
51524	1.8	0.04	0.05	0.02
51525	1.0	0.03	0.02	0.01



INCO EXPLORATION AND TECHNICAL SERVICES INC.

BRITISH COLUMBIA PITT/TRINITY PROPERTY TEAM SHOWING TRENCH GEOLOGY, SAMPLE LOCATIONS AND GEOCHEMISTRY

FIGURE 6

A 0.4 m wide chip sample across the Upper Team Showing contains 1.27% Cu, 0.31% Pb, 4.5% Zn, 63.6 g/t Ag and 0.95 g/t Au. A talus boulder sample near the Lower Team Showing contains 2.49 g/t Au.

5.1.3 Lower Team Showing

This exposure is a strongly schistose, contorted and tightly folded strike extension of the Team Showing. Quartz-rich granitoid clasts crudely outline several small-scale folds, particularly in the muscovite schist (Figure 7).

Mineralization consists of semi-massive, contorted pockets of chalcopyrite, pyrite, pyrrhotite, covellite mineralization with lesser galena and sphalerite. A 2 m chip sample across the widest section of the massive sulphide mineralization contains 1.24% Cu, 3.31% Pb, 3.27% Zn and 39.0 g/t Ag. This sample is also anomalous in Mo (85 ppm), Bi (40 ppm), Cd (234 ppm), Hg (18 ppm) and Ba (21,163 ppm).

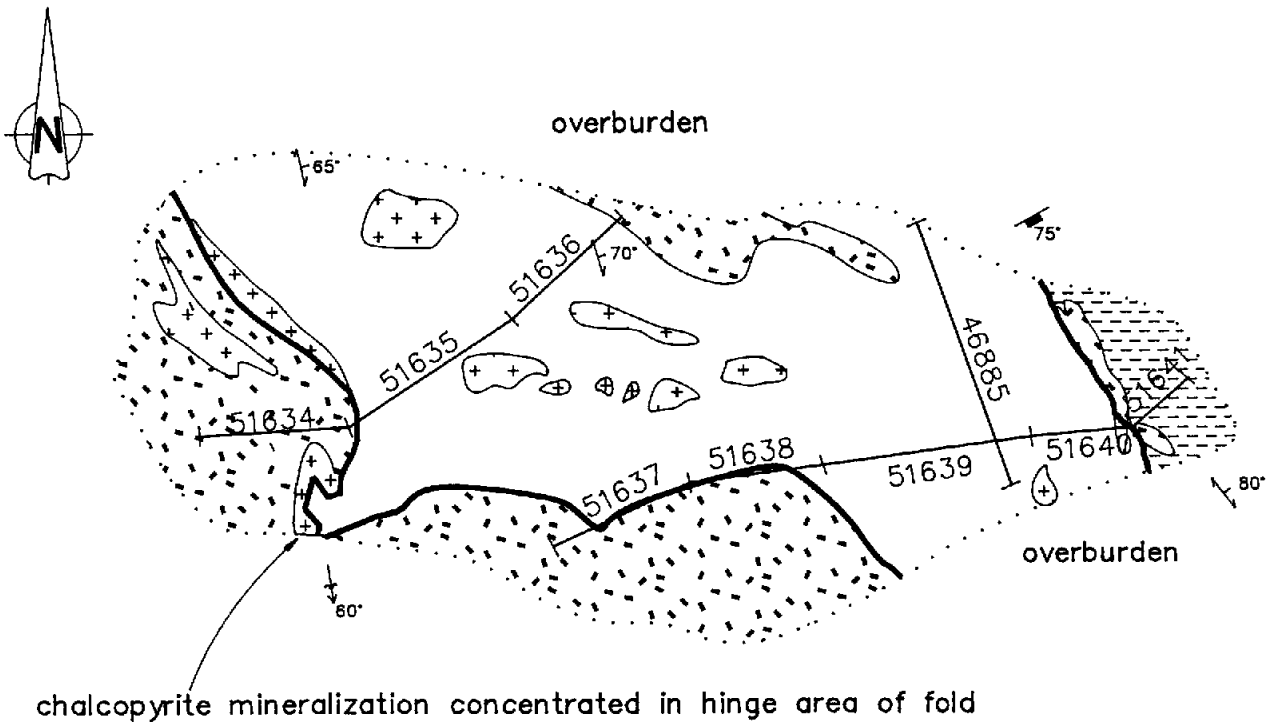
5.1.4 Meadow Creek Showing

This showing is located 100 m southeast of the Team Showing and consists of fracture-controlled sulphides in granodiorite and several gossanous galena-sphalerite-bearing angular float boulders in a skarn altered host. Two gullies in the area expose friable, sheared, muscovite-quartz schist and hornfelsed biotite-epidote-pyrite schist. Narrow (0.5 - 3 m) pyritic biotite-epidote-carbonate screens are apparent at one locality and they carry elevated base-metal values of up to 3665 ppm Cu, 1208 ppm Pb and 6236 ppm Zn.

One specimen described as a silicified quartzite(?) contains banded, fine-grained, galena and sphalerite. Analytical results for the corresponding sample are 0.44% Cu, 2.59% Pb, 4.98% Zn, 212.2 g/t Ag, 719 ppm Sb and 16,620 ppm Ba. Copper values are less than 0.45% for all samples. The sulphide textures and mineralogy (high galena, low chalcopyrite content) are distinctly different from the mineralization elsewhere in the Pyrite Creek Zone.

5.1.5 South Pyrite Creek Showing

A short but notable airborne EM anomaly led to the discovery of several polymetallic, clast-rich massive sulphide occurrences along a steeply incised creek gully known as South Pyrite Creek. Several large massive sulphide boulders were discovered near the mouth of the creek (Figure 8). The lowest exposure of the sulphide zone occurs at an elevation of 210 m.

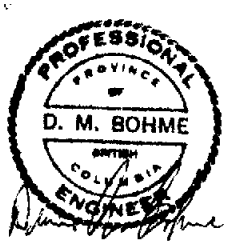


ANALYTICAL RESULTS

Sample No.	Width	Cu(%)	Pb(%)	Zn(%)
51634	1.0m	0.13	0.06	0.10
51635	1.1m	1.65	0.26	2.57
51636	0.9m	1.67	0.36	1.86
51637	1.1m	0.24	0.04	0.13
51638	1.0m	1.10	0.08	0.33
51639	1.4m	1.15	0.53	1.83
51640	0.5m	2.06	0.26	1.39
51641	0.5m	0.07	0.03	0.09
46885	2.0m	1.24	0.33	3.27

LEGEND

- PLUNGE OF HINGE–LINE OF S–SHAPED FOLD
- FRACTURE (STRIKE AND DIP)
- FOLIATION (STRIKE AND DIP)
- PYRITIC MUSCOVITE–BIOTITE SCHIST
- GRANULAR SEMI–MASSIVE TO MASSIVE SULPHIDES
- QUARTZ BIOTITE SCHIST
- SILICEOUS GRANITOID FRAGMENTS



Scale 1:50

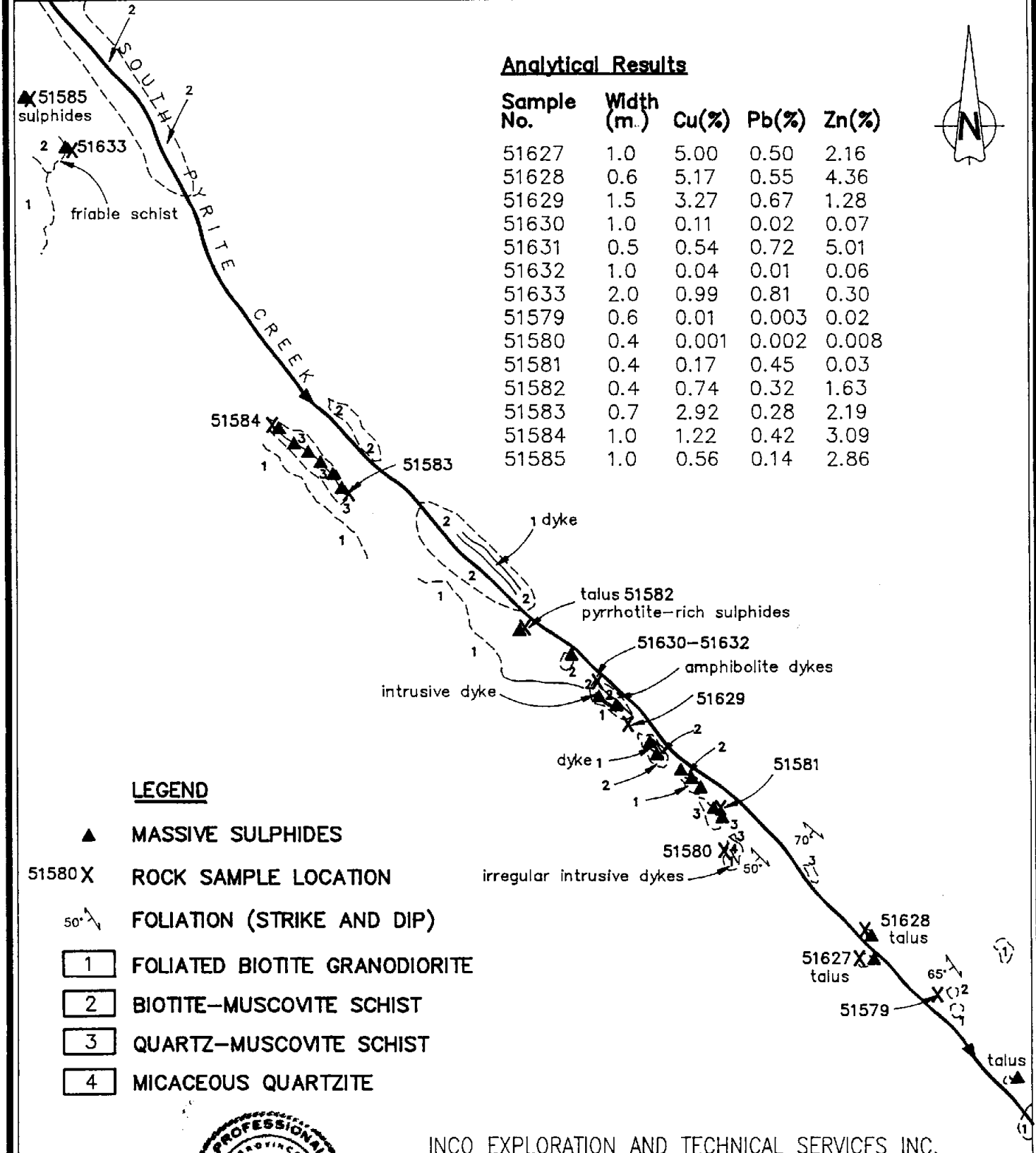
0 1 2

METRES

INCO EXPLORATION AND TECHNICAL SERVICES INC.

BRITISH COLUMBIA PITT/TRINITY PROPERTY LOWER TEAM SHOWING GEOLOGY, GEOCHEMISTRY AND SAMPLE LOCATIONS

FIGURE 7



Analytical Results

Sample No.	Width (m.)	Cu(%)	Pb(%)	Zn(%)
51627	1.0	5.00	0.50	2.16
51628	0.6	5.17	0.55	4.36
51629	1.5	3.27	0.67	1.28
51630	1.0	0.11	0.02	0.07
51631	0.5	0.54	0.72	5.01
51632	1.0	0.04	0.01	0.06
51633	2.0	0.99	0.81	0.30
51579	0.6	0.01	0.003	0.02
51580	0.4	0.001	0.002	0.008
51581	0.4	0.17	0.45	0.03
51582	0.4	0.74	0.32	1.63
51583	0.7	2.92	0.28	2.19
51584	1.0	1.22	0.42	3.09
51585	1.0	0.56	0.14	2.86

LEGEND

- ▲ MASSIVE SULPHIDES
- 51580 X ROCK SAMPLE LOCATION
- 50° FOLIATION (STRIKE AND DIP)
- 1 FOLIATED BIOTITE GRANODIORITE
- 2 BIOTITE–MUSCOVITE SCHIST
- 3 QUARTZ–MUSCOVITE SCHIST
- 4 MICACEOUS QUARTZITE

PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — D. M. BOHME

Scale 1:2000

0 25 50 75 100

METRES

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BRITISH COLUMBIA PITT/TRINITY PROPERTY SOUTH PYRITE CREEK SHOWING GEOLOGY, GEOCHEMISTRY AND SAMPLE LOCATIONS

FIGURE 8

Based on two traverses up this gully, the area is similar to the Pyrite Creek area except that the massive quartzite unit is absent. At one locality the granite contact is no more than 5 m away from the sulphide horizon. Widths of the massive sulphide zone rarely exceed 1 m.

Samples from the mineralized zone contain consistently high copper grades with values from 0.67 to 3.3% Cu but locally up to 5.17% Cu. Lead and zinc range between 0.14 - 0.81% and 0.59 - 5.0%, respectively. Corresponding samples are also anomalous in Mo (345 ppm), Bi (45 ppm) and Ba (26,082 ppm).

5.2 B Zone

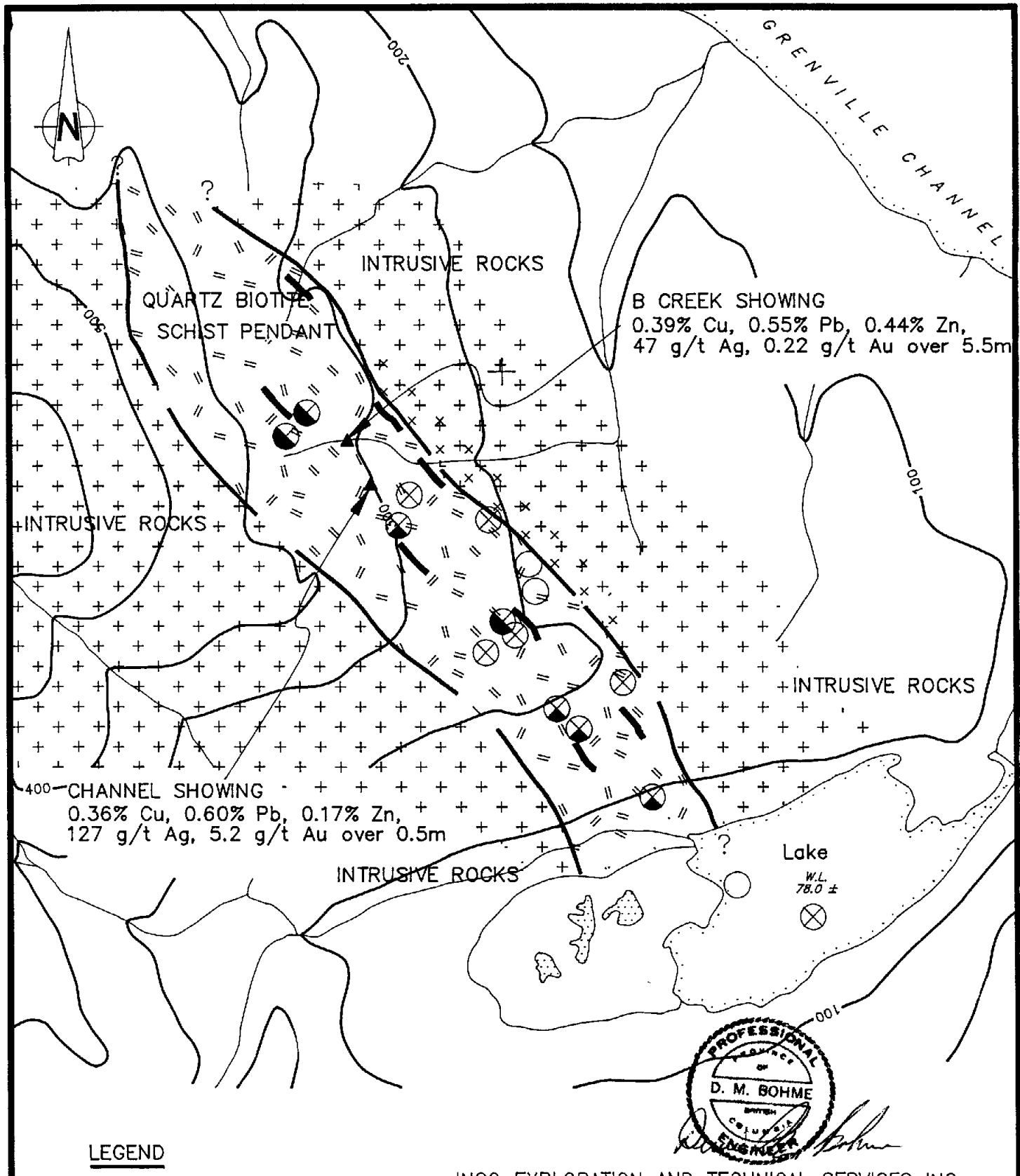
Several airborne EM conductors were evaluated by prospecting. This work led to the discovery of two semi-massive pyrrhotite-pyrite occurrences (the B Creek and Channel Showings) near the northwest end of two parallel airborne EM conductors which are at least 1300 m long (Figure 9). The anomaly may extend beyond the northern limit of the airborne survey.

The B Zone, defined by mapping as a 1700 by 600 m area, is predominantly underlain by a gritty quartz-biotite-pyrite schist with intercalated zones of carbonaceous argillite and phyllite (Map 5). The contact between the pendant and the granitic rocks contains discordant quartz-pyrite veining. Pyrite and lesser pyrrhotite are ubiquitous in the biotite-quartz schist, typically in the 1 - 5% range. Mineralization occurs as fine- to medium-grained disseminations and locally as semi-massive concentrations along schistosity planes.

The carbonaceous sections of the quartz-biotite schist unit contain anomalous base metal values of up to 750 ppm Cu, 280 ppm Pb and 2425 ppm Zn. Selected chip samples of quartz vein material contain up to 7798 ppm Zn, 9.4 ppm Ag, 100 ppb Au and 32,902 ppm Ba.

5.2.1 B Creek Showing

This occurrence is exposed along a steeply incised creek gully. It consists of several semi-massive pyrrhotite-rich lensoidal bodies containing abundant white to grey quartz clasts and lesser metasedimentary fragments up to 3 cm across (Figure 10). This fragmental texture is similar to the Pyrite Creek Zone mineralization. Variable amounts of interstial chalcopyrite, sphalerite, galena and pyrite mineralization are associated with the pyrrhotite. Tiny fractures within the quartz-rich clasts are usually healed by very fine sulphides.



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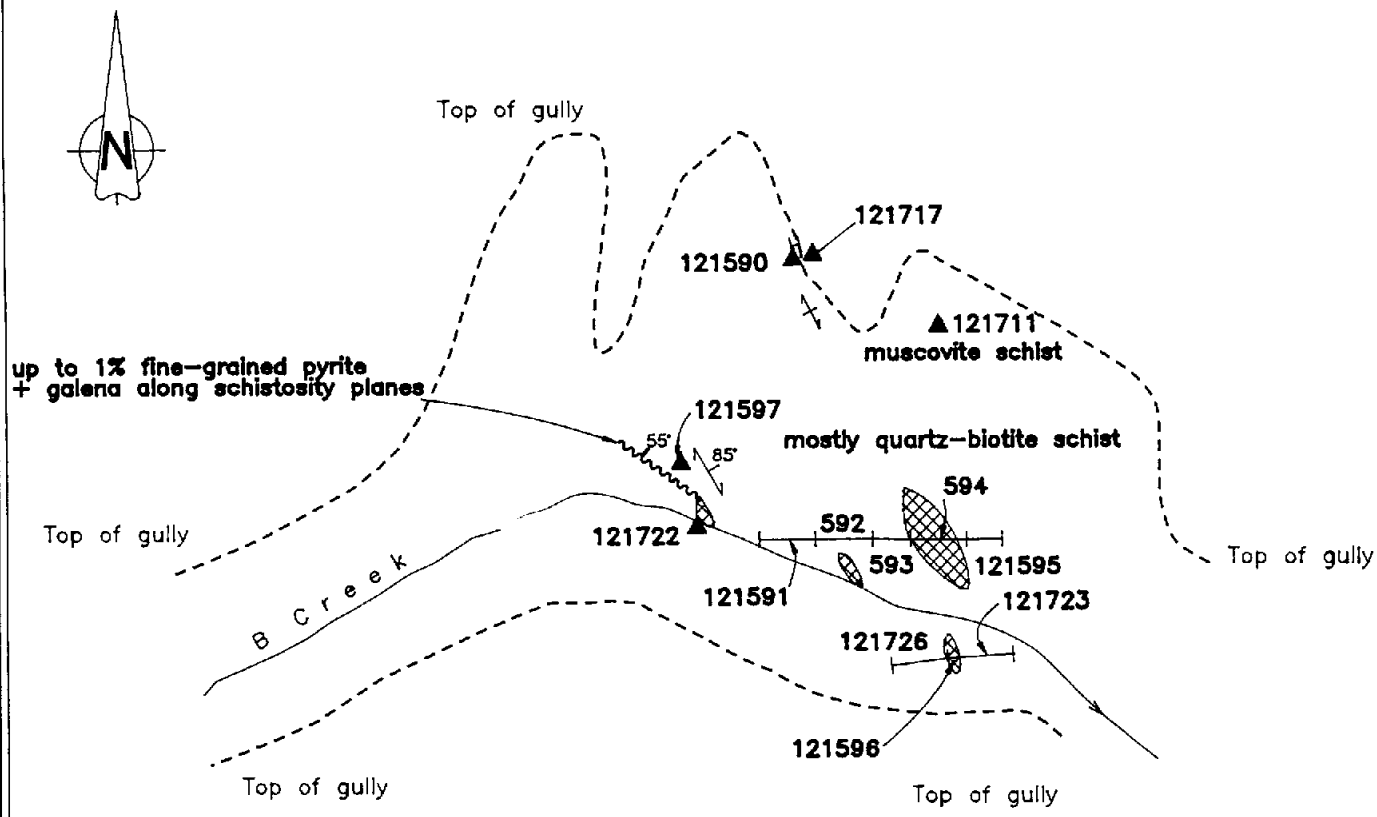
BRITISH COLUMBIA
PITT/TRINITY PROPERTY
B ZONE AREA
GEOLOGY AND GEOPHYSICS

(Simplified)

FIGURE 9

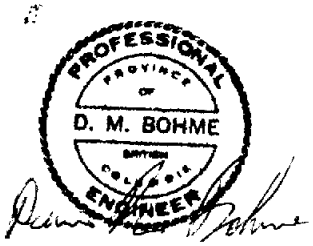


LEGEND

- ▲ ROCK SAMPLE (GRAB)
- ROCK CHIP SAMPLE
- LIMIT OF OUTCROP
- 85° FOLIATION (STRIKE AND DIP)
- FAULT
- QUARTZ-CLAST SULPHIDE SCHIST

ANALYTICAL RESULTS

Sample No.	Width (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)
121590	0.35	2399	2783	9270
121591	1.5	3565	7934	2272
121592	1.5	3382	4343	3467
121593	1.0	5045	4263	3230
121594	1.5	4085	5027	8112
121595	1.0	922	538	954
121596	0.3	6927	3265	4923
121597	0.2	182	80	1332
121711	0.5	489	39	116
121717	0.2	2862	4688	13077
121722	0.4	14822	9554	6631
121723	1.5	201	100	895
121726	1.5	123	56	343



0 5
m

INCO EXPLORATION AND TECHNICAL SERVICES INC.

BRITISH COLUMBIA PITT/TRINITY PROPERTY GEOLOGY, GEOCHEMISTRY AND SAMPLE LOCATIONS

FIGURE 10

The sulphides are generally fine-grained and the zone is moderately schistose parallel to the regional foliation (near-vertical dip). The showing area is cut by a northeast-dipping fault causing brittle fracturing and brecciation of the enclosing sulphide-rich rocks. Four contiguous chip samples across the tectonized biotite-quartz schist and the quartz-clast pyrrhotite-rich unit average 0.39% Cu, 0.55% Pb, 0.44% Zn, 46.8 g/t Ag and 0.22 g/t Au over a width of 5.5 m. The contact between these two units is gradational. The thickness of the quartz-clast pyrrhotite lenses varies between 0.2 - 0.9 m. One selected grab sample of pyrrhotite-rich material contains 1.48% Cu, 0.96% Pb, 0.66% Zn, 70.0 g/t Ag and 0.69 g/t Au. This sample is also very high in phosphorus (3.55% P_2O_5) and calcium (7.9% CaO). The coincidence of high phosphorus and calcium may indicate the presence of apatite.

The B Creek Showing is moderately anomalous in Mo (124 ppm), As (293 ppm), Sb (240 ppm) and Bi (105 ppm) and distinctly low in Ba (4900 ppm or less).

5.2.2 Channel Showing

This small exposure is about 100 m southeast of the B Creek Showing but does not appear to be on strike with the B Creek Showing. The showing typically contain between 5 - 15% sulphides (mainly pyrrhotite-pyrite) in a siliceous, weakly foliated biotite schist. Samples from this zone are distinctly anomalous in gold and silver (up to 5.2 g/t and 127.2 g/t, respectively). Base-metal values are typically less than 0.5% for Cu, Pb and Zn. One chip sample contains 0.12% Cu, 0.18% Pb, 0.06% Zn, 40.9 g/t Ag and 1.6 g/t Au over 1 m. The showing is also anomalous in As, Sb and Bi.

5.3 Pitt Zone

Prospecting conducted on a 1800 by 100 m ridge area led to the discovery of several semi-massive to massive pyrite occurrences collectively named the Pitt Zone. The pyrite-rich showings contain minor values in Cu, Pb, Zn and Ag and are usually hosted in a biotite-muscovite-chlorite grit schist close to the granodiorite contact. The principal zones of mineralization are discussed below (Talus and Slide Showings).

DeLancey (1991) reports that of the 37 grab samples collected from the Pitt Zone, several contain values in the order of 1.0% Cu, 0.50% Pb, 2.0% Zn with anomalous silver, cadmium and barium. The highest base-metal values are found in angular float boulders of pyritic quartz-biotite-chlorite schist (Talus Showing). Gold values are very low.

5.3.1 Talus Showing

This showing consists of a few boulders and two poorly exposed outcrops of pyrite-rich biotite-muscovite-chlorite schist. Chlorite occurs as coarse-grained overgrowths after biotite. Selected grab samples contain up 30% sulphides and consist almost entirely of coarse-grained pyrite and lesser chalcopyrite. Base-metal values rarely exceed 1.0% Cu and 2.0% Zn. Mineralization at the Talus Showing is devoid of clasts and does not contain highly anomalous Hg and Ba values typical of the Pyrite Creek Zone.

5.3.2 Slide Showing

A recent slide has exposed discontinuous lenses of massive pyrite in a biotite-muscovite schist with interbands of buff-coloured felsic intrusive(?) rocks. The showing borders on the granodiorite contact and is characterized by massive pyrite zones up to 0.4 m thick that pinch out over a length of 2 m or less. One grab sample consisting of almost 50% sulphides analyzed 0.49% Cu and 0.89% Zn.

6.0 GEOCHEMISTRY

A total of 348 rock samples and 10 moss-mat stream samples were submitted for multi-element analyses at Acme Analytical Laboratories in Vancouver, B.C. All rock samples were also submitted for whole rock analyses for major, minor and selected trace elements. Of that total, 174 rock samples were analyzed for gold and 111 pulps were sent to Activation Laboratories Ltd. (ACTLABS) in Ancaster, Ontario for 35-element instrumental neutron activation analysis (INAA).

6.1 Laboratory Procedure

Rock samples were crushed to -1/4 inch and 1/2 lb. was pulverized to -100 mesh. A 0.5 gram sample was subjected to total digestion by nitric, hydrochloric, perchloric and hydrofluoric acid at 200°C and then diluted to 10 ml with diluted aqua regia. The digested sample was analyzed for 35 elements by the inductively coupled argon plasma method (ICP). This leach is partial for Mn, Fe, Ca, P, La, Sc, Sr, Cr, Mg, Ba, Ti, B, W, Na, Zr, K and Al. For gold, a 20 gram sample was digested with hot aqua regia, extracted by MIBK (acid leach) and analyzed by graphite furnace atomic absorption (AA).

For whole rock analysis, a 0.20 gram sample was subjected to lithium metaborate fusion, nitric acid leach and an ICP scan.

A 2 gram sample was encapsulated, irradiated and measured by INAA technique for 35 elements including gold. This analytical technique is dependent primarily on measuring gamma radiation which is emitted by radioactive isotopes produced by irradiating the sample in a nuclear reactor.

Moss mat samples were dried and sieved to obtain approximately 30 grams of -80 mesh sediment material. The sample was then subjected to an aqua regia digestion (hydrochloric and nitric acid plus water) at 95°C for one hour and diluted to 10 ml with water. The digested sampled was analyzed by the ICP method for 30 elements. Gold analysis is by acid leach with an AA finish from a 10 gram sample.

6.2 Moss-Mat Stream Sediment Results

A statistical analysis of the results from the 10 moss-mat samples was not done due to the small population. Threshold values for Cu, Pb, Zn and Ag are assigned at 40 ppm, 20 ppm, 90 ppm and 0.6 ppm, respectively, based on stream sediment data from B.P. Selco (1986). All of the samples, with the exception of two, were collected within the B Zone grid area.

The results indicate two moss-mat stream sediment anomalies. A strong Pb anomaly and a corresponding weak Cu-Zn-Ag anomaly is situated immediately downstream from the B Creek Showing (SX 138805). Another Cu-Zn-Ag anomaly is indicated about 700 m to the northwest of the B Creek Showing just off grid line L218 (SX 134927).

6.3 Lithogeochemistry

The oxide and base-metal elements for selected samples representing the main rock types comprising the Pyrite Creek Zone are presented in Table 1. Two samples with chlorite alteration after biotite are also included to serve as a comparison between biotite-quartz schist (unit 3) and locally chloritized biotite schist. These four samples represent the footwall of the Pyrite Creek Zone.

7.0 GEOPHYSICAL SURVEY

A magnetic, VLF and horizontal-loop EM survey was conducted over the B Zone between October 7 - 19, 1992. A total of 8.9 line-km of grid line was cut to facilitate this work. The magnetic and VLF surveys were completed over the entire grid whereas the horizontal-loop EM survey covered 7.5 line-km of grid line.

The results of the geophysical survey are discussed in a report by Inco geophysicist B. Lo (Appendix I).

TABLE 1

PYRITE CREEK ZONE – Whole Rock ICP Analyses and Base–Metal ICP Data

Major Oxide (in percent) and Base–Metal (in parts per million) Content of Selected Rock Samples

	1 Amphibolite Dyke (unit 2)		2 Biotite–Quartz Schist (unit 3)		3 Feldspar–Biotite Grit Schist (unit 4)		4 Biotite–Chlorite Schist (unit 3)		5 Muscovite–pyrite Schist (unit 5)		6 Micaceous Quartzite (unit 6)	
RX No.	46892	46897	49891	51514	51511	51574	46896	51579	51520	46898	46890	46891
Oxide %												
SiO2	48.57	52.52	58.07	50.32	58.40	49.97	51.45	54.09	70.09	69.87	64.81	69.98
Al2O3	14.90	14.67	15.44	17.22	17.62	18.01	16.11	17.50	14.40	13.69	16.27	14.00
Fe2O3	15.18	13.17	9.98	10.95	5.93	9.70	9.70	8.58	3.91	5.36	4.38	3.99
MgO	6.17	5.11	7.00	4.83	3.48	3.00	7.85	7.39	1.02	0.46	0.36	0.01
CaO	9.20	8.69	2.99	7.40	4.51	12.73	2.86	2.96	1.94	2.28	4.86	2.81
Na2O	2.21	1.83	0.98	2.12	2.46	3.69	2.35	2.65	2.09	2.19	4.02	4.86
K2O	0.27	0.44	1.33	1.59	2.41	0.65	2.44	2.78	2.60	2.98	2.07	1.52
TiO2	2.00	1.81	1.06	1.00	0.57	0.84	0.85	0.81	0.32	0.72	0.66	0.54
P2O5	0.32	0.30	0.25	0.14	0.12	0.13	0.21	0.17	0.07	0.10	0.11	0.01
MnO	0.27	0.28	0.11	0.18	0.10	0.20	0.21	0.13	0.03	0.05	0.04	0.02
Cr2O3	0.007	0.002	0.005	0.002	0.002	0.006	0.002	0.007	0.002	0.016	0.002	0.002
LOI	0.7	0.9	5.7	3.2	2.4	0.8	5.7	2.6	2.6	1.4	2.0	2.1
Total	99.88	99.85	99.90	99.84	99.59	99.88	99.90	99.85	99.69	99.56	99.92	100.00
(ppm)												
Mo	1	1	1	35	40	1	2	4	3	2	1	8
Cu	61	62	38	489	1003	69	108	186	1313	81	140	41
Pb	4	14	6	443	1141	19	18	37	747	648	51	65
Zn	111	139	76	273	1321	103	181	207	923	1315	186	38
Ni	43	23	13	45	9	10	21	20	4	3	14	1

8.0 CONCLUSIONS

The stratiform semi-massive to massive mineralization characteristic of the Pyrite Creek Zone and the enclosing schists have undergone intense metamorphism and deformation. Mineralization occurs near a major fault(?) lineament (Pyrite Creek Lineament) and a large granodiorite intrusion. The mineralized zone appears to be contained within a specific sequence with muscovite-rich schist and micaceous quartzite confined to the structural hanging wall and biotite-rich schist and amphibolite in the structural footwall. The 1992 program extended the strike length of the Pyrite Creek Zone by 1.1 km and economic base-metal grades occur in several localities along this trend.

The B Creek and Channel Showings contain tectonized semi-massive pyrite-pyrrhotite mineralization in a pyritic biotite-quartz schist. Base-metal values are low.

The horizontal-loop EM and VLF surveys over the B Zone detected strong several anomalies along the contact between the pendant and the granitic rocks. The cause of these anomalies has not been fully investigated.

9.0 RECOMMENDATIONS

Further exploration is warranted for base-metal mineralization on the Pitt/Trinity property. Recommendations are as follows:

1) A lithogeochemical alteration study supplemented by petrographic work is recommended to interpret the alteration of the host rocks. Based on the results of this study, further geological work may be required on the Pyrite Creek Zone and other areas in order to select the best drill targets.

2) The northernmost moss-mat stream sediment anomaly at the B Zone requires follow-up prospecting. Several horizontal-loop EM conductance responses also warrant further investigation. Prospecting and detailed mapping is warranted for areas of the B Zone where conductive responses were detected.

3) Previous drilling has demonstrated the strike and dip continuity of the polymetallic mineralization over a 200 m strike length and 70 m down-dip. Additional drilling is recommended to explore down-dip and along strike.

10.0 REFERENCES

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11.0 STATEMENT OF EXPENDITURES

Personnel

Project Geologist D. Bohme	June 1-December 11/92 96 days @ $310/day	$29,760	
Geologist M. Slauenwhite	June 1-October 17/92 42 days @ $310/day	13,020	
Geologist C. Bell	August 19-Oct. 17/92 20 days @ $310/day	6,200	
Geophysicist B. Lo	Jan. 20-Feb. 12/93 6 days @ $400/day	2,400	
Autocad Tech I. Casidy	July 6-Dec. 11/92 19 days @ $180/day	3,420	
Geologist D. Rawlek	June 1-November 13/92 62 days @ $160/day	9,920	
Geologist O. Bundred	August 19-26/92 8 days @ $170/day	1,360	
Field Assistant I. Perry	June 1-July 2/92 30 days @ $130/day	3,900	
Field Assistant T. Laycock	August 19-26/92 8 days @ $130/day	1,040	
			$71,020

Contract/Service Work

Geophysical Survey SJ Geophysics Ltd.	October 7-19/92	$16,749	
Expeditor T. Major	June 3-30/92	700	
Line-Cutting Dean de La Mothe Exploration Services	Sept.25-Oct.3/92	11,834	
Petrographic Work Vancouver Petrographics Ltd.	July 28, 1992	250	
			$29,533

Transportation

Helicopter 206B	52.7 hrs. @ $740/hr including fuel	$38,998	
Airfare; Canadian Airlines Vancouver-Prince Rupert-return		8,709	
4x4 Truck Rental	10 days @ $100/day including fuel	1,000	
Sabre Marine -tugboat rental		2,815	
Loomis Courier/Clark Reefer -sample/equipment shipments		2,500	
			$54,022

Subsistence

Groceries/Meals 200 person-days @$35/day	$7,000	
Accommodation 40 days @ $50/day	2,000	
		$9,000

Geochemical Charges

Acme Analytical Laboratories Ltd. 348 rock samples for 35 element ICP and whole rock analysis @ $18/sample	$6,264	
10 moss mat samples for 30 element ICP + gold @ $10/sample	100	
174 rock samples for gold analysis @ $5.00/sample	870	
Activation Laboratories Ltd. 111 samples analyzed for 35-elements by neutron activation @ 10/sample	1,110	
		$8,344

Miscellaneous

Reproductions, photocopying, etc.	$1,760	
Camp supplies, lumber, hardware, etc.	7,488	
Communications, radio rentals, etc.	3,216	
Computer usage	900	
		$13,364
Total		$185,283

ALLOCATION DECLARATION

I, Dennis M. Bohme, hereby certify that:

1) A total of $37,057 or 20% of the total was spent on the Grenville 1 Group.

2) A total of $114,875 or 62% of the total was spent on the Grenville 2 group of which $82,522 was expended after September 2, 1992 (work done after the Gran, BSL 1 and BSL 2 claims were staked).

3) A total of $33,351 or 18% of the total was spent on the Grenville 3 Group.

12.0 STATEMENT OF QUALIFICATIONS

I, Dennis Martin Bohme, of the City of Vancouver, in the Province of British Columbia, do hereby certify that:

1. I reside at 57 East 40th Avenue, Vancouver, British Columbia, V5W 1L3.

2. I am a graduate of the British Columbia Institute of Technology with a diploma in Mining Technology, 1980.

3. I am a graduate of the Montana College of Mineral Science and Technology in Butte, Montana, with the degree of Bachelor of Science in Geological Engineering, 1985.

4. I have been employed in mining exploration as a technologist and a geological engineer with Newmont Exploration of Canada Limited from May 1980 until February 1989, except for 18 months when I was attending university.

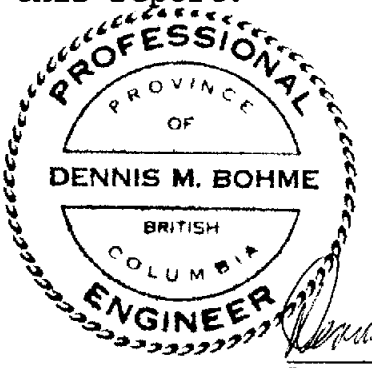
5. I am a registered Professional Engineer in the Province of British Columbia.

6. I am a Fellow member of the Geological Association of Canada.

7. I am a member of the Society of Economic Geologists, Inc.

8. I have been employed since December, 1989 as a Project Geologist with Inco Exploration and Technical Services Inc. with offices at 2690-666 Burrard Street, Vancouver, B.C., V6C 2X8.

9. I personally carried out and supervised most of the work described in this report.



Dennis M. Bohme, P.Eng.
March 22, 1993
Vancouver, B.C.

APPENDIX I

Appendix I -- Geophysical Survey Report

Introduction

A ground follow-up programme of horizontal-loop electromagnetics (HLEM), magnetometer and very low frequency electromagnetics (VLF) surveying was completed over the B Zone grid. The surveys were utilized to help map the underlying lithologies of the gridded area, and to locate on the ground, a zone of helicopter-borne electromagnetic anomalies detected in a survey flown in May, 1992.

Previous Geophysical Work

A helicopter-borne EM geophysical survey was conducted over the entire property in May, 1992. The survey results identified the B Zone as an area of multiple and parallel conductors[1]. Initial ground follow-up using aerial photographs and topographic maps for orientation discovered a carbonaceous argillite unit as a probable source for the conductors. The area was re-prospected in October, 1992 because the airborne EM data suggested that at least two somewhat parallel conductors were present and a clear explanation for both conductors was not located. Two semi-massive sulphide occurrences were located (B Creek and Channel Showings). A grid was established and a ground geophysical survey over the zone was carried out.

Rationale for the Surveys

The surveys were designed to locate and trace on the ground, the conductors which were detected from the earlier airborne survey. In addition, the magnetic survey would be used as an aid to geological mapping.

Horizontal Loop and VLF Data

In general, massive sulphides are much more conductive than the surrounding host rocks. Electromagnetic fields can then be induce currents in the sulphides or any other conductor. These currents produce a secondary field which is then measured. In this manner the conductors are detected (Grant and West, 1965). Other conductors can produce a conductive response which mimics the response due to sulphides. Graphite, clays and water filled shears are examples.

The HLEM survey used a nominal coil separation of 50 metres. Initially, survey tests were made to determine the signal difference between a 100 metre and 50 metre coil separation. The 50 metre coil separation was preferred as it would have better resolution of multiple conductors which may be closely spaced. The 100 metre separation has better depth penetration and if the 50 metre coil separation could not detect the conductors (because they were too deep), then the survey was to be done using 100 metre coil separations. However, initial tests indicated that a 50 metre coil separation with 12.5 metre station intervals was capable of detecting the conductivity on the grid, and it was adopted for the remainder of the survey.

---

[1] Geophysical Report on a Helicopter-Borne Electromagnetic and Magnetometer Survey at the Pitt/Trinity Property, British Columbia; Assessment Report No. 22475 by Bob Lo, Inco Exploration and Technical Services Inc., June, 1992.

VLF data suffers from topographical effects and from the high frequencies[2] it uses. However, it can be easily collected at pretty dense intervals along the lines which will help with the resolution of multiple and/or parallel conductors. It is also easy to implement operationally with modern instrumentation as it can be collected in conjunction with a magnetometer survey. The VLF data was collected at the same time as the magnetometer readings at 12.5 metre station intervals. The transmitting station used for most of the survey was **NLK** -- Seattle, Washington. Line 21800N was read using **NAA** -- Cutler, Maine because the Seattle station was down at the time.

Magnetometer Survey

Rocks have different magnetic susceptibilities which, in the presence of the Earth's magnetic field produce measurable differences in the local magnetic field. In general magnetic susceptibility is lowest in sedimentary and metasedimentary rocks[3]. Rocks of acidic composition have higher susceptibility and ultrabasic rocks have the highest values. These differences are used to help map the various underlying lithological units. Station intervals of 12.5 metres were used.

Instrumentation

The HLEM survey used a MaxMin I system with a MMC data recorder manufactured by Apex Parametrics of Uxbridge, Ontario. The MaxMin I is a horizontal coplanar EM system operating in the frequency domain. The system has a readability of 0.1 percent in both the in-phase and quadrature metres. The tilt meter has a readability of 1 percent. A data sheet is included.

The magnetometer and VLF survey used the Scintrex/EDA OMNI Plus magnetometer with the VLF attachment. The OMNI Plus magnetometer is a proton precession magnetometer capable of 0.1 nanoTesla accuracy and resolution. A base station was used to remove the diurnal variations of the Earth's main magnetic field. As part of the instrument package, the VLF data was collected at the same time as the magnetometer readings. The VLF attachment collects the horizontal field which is used as a reference and the vertical inphase and quadrature fields. Data sheets from EDA are attached.

Presentation and Interpretation

The data are presented at a scale of 1:2000 (Maps 6, 7 and 8). Data values are posted at the locations of the readings for the magnetometer and VLF data. The HLEM data is plotted at the mid-point between the transmitter and receiver. In addition, the magnetometer data are contoured at 10 nT contour intervals. VLF and HLEM are displayed as stacked profiles. With the VLF data the convention of positive towards the transmitter is followed. This yields a proper cross-over as a positive (below the line) to negative (above the line) as one moves from west to east. A local maximum in the total field is associated with a proper cross-over.

The magnetic data shows a general northwest-southeast trend, parallel to the baseline which is in the same trend as the regional and local geology. A higher magnetic intensity reading is recorded for the rock units to the west indicating rocks of a relatively higher basic composition. The metasedimentary package near the baseline shows a variable magnetic signature, reflecting in general a mixture of mafic-rich lithologies and other, generally less magnetic metasediments.

---

[2] the acronym VLF is derived from Very Low Frequency. But this is with respect to radio frequencies. With respect to the transmitted frequencies commonly used for geophysical prospecting, VLF frequencies are rather high.

[3] sedimentary oxide iron formation are an exception to this generalisation.

HLEM data is complicated by the rugged topography and multiple conductors. The HLEM data is interpreted in conjunction with the VLF conductors. Table A1 provides a list of the VLF conductors while table A2 lists the conductors detected by HLEM. Where possible, continuous conductors which are seen from line to line are identified as such. In general, there is a good correlation between the VLF and HLEM conductors. The HLEM responses yield a better estimate of the conductance while the VLF data shows more resolution. Two conductors (VLF conductor #4 and #13) appear to be related to the contact between the metasediments and the plutonic rocks. Very high conductivity responses are noted in the corresponding HLEM data. Weak conductivity responses are associated with the B Creek and Channel showings (VLF conductors #8 and #12). Conductor #12 appears to trend off the northern end of the grid.

Conclusions and Recommendations

The magnetic, VLF and HLEM surveys detected several conductive anomalies on the ground which were initially indicated by the airborne geophysical survey. The B Creek and Channel Showings were detected as weak VLF conductors. Surveying was hampered by the rough topography and in one instance, HLEM was not collected over the B Creek Showing because of the rugged terrain. The magnetometer data is a useful useful mapping tool.

The source of the conductors associated with the contacts between the carbonaceous metasediments and the plutonic rocks are not known. They should be checked in the field along with any other unexplained EM conductors. Also, the northern strike extension of the conductors on the grid should be checked.

Table A1 -- VLF Conductors

1) L20200N/79+75E to L20300N/97+50E
2) L20800N/79+12.5E
3) L21000N/79+25E
4) L20200N/80+00E to L20300N/79+87.5E to L20400N/79+75E to L20500N/79+62.5E to L20600N/79+62.5E to L20700N/79+62.5E to L20800N/79+62.5E to L20900N/79+62.5E to L21000N/79+50E to L21100N/79+50E to L21200N/79+25E to L21300N/79+25E
5) L20200N/80+25E to L20300N/80+12.5E to L20400N/80+12.5E to L20500N/80+12.5E to L20600N/80+00E to L20700N/80+12.5E to L20800N/80+00E
6) L20300N/80+50E
7) L20600N/80+50E
8) L20900N/80+37.5E to L21000N/80+40E
9) L21000N/80+15E
10) L21000N/81+12.5E
11) L21000N/79+75E to L21100N/79+87.5E to L21200/79+87.5E
12) L21100N/80+75E to L21200N/80+75E
13) L20100N/81+12.5E to L20200N/81+25E to L20300N/81+09E to L20400N/79+95E to L20500N/81+12.5E to L20600N/81+25E to L20700N/81+00E to L20800N/81+37.5E to L20900N/81+37.5E to L21000N/81+37.5E to L21100N/81+25E to L21200N/81+37.5E
14) L20100N/82+50E to L20200N/82+62.5E to L20300N/83+00E to L20400N/83+25E to L20500N/83+37.5E to L20600N/83+25E to L20700N/83+37.5E to L20800N/83+62.5E to L20900N/83+62.5E to L21000N/83+75E to L21100N/83+87.5E

Table A2 -- HLEM conductors

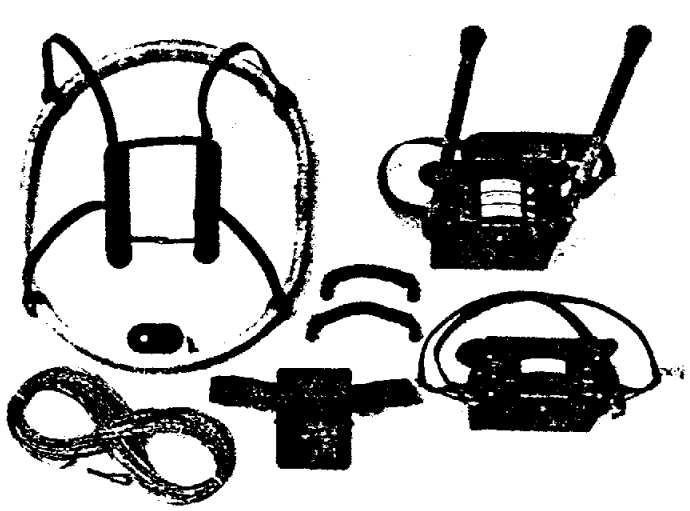
Line	Location	Strength	Conductance rating*
Line 202N	8012.5E to 8025E	very weak	5
	8156E		
	8262.5E		
Line 203N	8012.5E	very weak	5
	8050E	medium	2
	8112.5E	very weak	5
Line 204N	7975E	very weak	5
	8012.5E	weak	3
	8100E	weak	2
	8150E		
Line 205N	7775E to 7787.5E		
	7962.5 E		
	8000E	weak	3
	8062.5E	medium	1
	8112.5E	weak	2
	8162.5E	very weak	2
Line 206N	7740E	weak	1
	8000E to 8037E	weak	4
	8130E	very weak	5
Line 207N	7812.5E		
	7975E to 8012.5	weak	5
	8062.5E	weak	1
Line 208N	7975E	very weak	5
	8012.5E to 8025E	weak	5
	8150E		
Line 209N (100m)	7855E		
	7995E	medium	4
Line 210N (100m)	7975E	weak	5
	8140E to 8175E	strong	1
Line 211N	7900E		
	7862.5E		
	7980E	weak	4
	8137E	medium	1
Line 212N	8062.5 E		
	8112.5 E		
	8162.5 E		
	8362.5 E		
Line 213N	7930E	medium	1

* The conductance rating ranges from 1 to 5 with 1 being the most conductive sources.

APEX MAXMIN I (ONE)
PORTABLE EM

- FREQUENCIES: 110,220,440,880,1760,3520,7040,14080 Hz + 50/60Hz powerline.
- **Maximum coupled (horizontal-loop) operation with reference cable.** +VERTICAL COPLANAR MODE + VERTICAL COAXIAL LOOP MODE.
- **Minimum coupled operation with reference cable.** (TWO MINIMUM COUPLED MODES, MIN1 AND MIN2)
- NEW 50/60 HZ (SWITCH SELECTABLE) POWERLINE MODE.
- **Coil separations:** 25,50,75,100,125,150,200,250,300,400 & 500M, or **(with cable)** 100,200,300,400,500,600,800,1000,1200,1600 & 2000 ft, or 30,40,60,80,100,120,160,200,240,320 & 400 Metres.
- **Reliable data from depths of up to** 500 **m (** 2000 **ft).**
- **Built-in voice communication circuitry with cable.**
- **Tilt meters to control coil orientation.**

not exactly as illustrated



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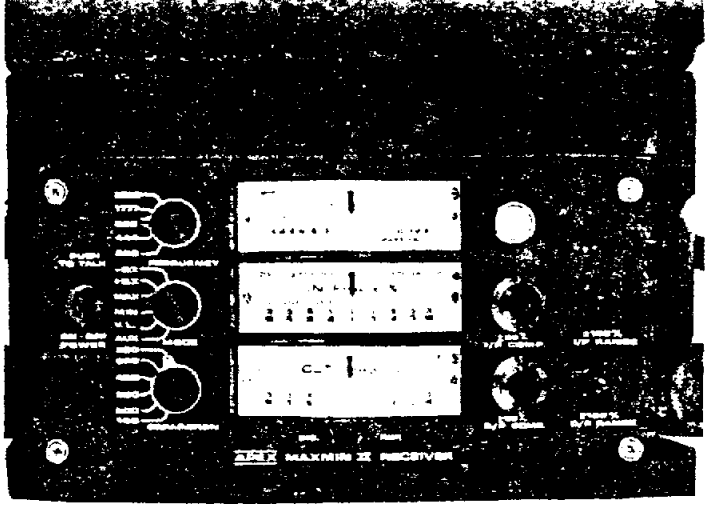

not exactly as illustrated

SPECIFICATIONS: with new 50/60Hz powerline filter and with improved spherics filter.

Frequencies: 110,220,440,880,1760,3520,7040, 14080Hz + 50/60Hz powerline freq.

Modes of Operation: MAX1 Transmitter coil plane and receiver coil plane horizontal (Max-coupled; Horizontal-loop mode). Used with reference cable.

MAX2=VERT. COPLANAR LOOP MODE.

MAX3=VERT. COAXIAL LOOP MODE.

MIN1 Transmitter coil plane horizontal and receiver coil plane vertical (Min-coupled mode). Used with reference cable.

MIN2: Tx coil plane vertical, Rx coil plane horizontal. Use of Min1+Min2 allows cancellation of topography.

Coil Separations: 25,50,75,100,125,150,200,250,300, 400&500M, or 100,200,300,400,500,600,800,1000, 1200,1600 & 2000ft, or 20,40,60,80,100,120, 160,200,240,320 & 400M, switch selectable.

Parameters Read: - In-Phase and Quadrature components of the secondary field in MAX and MIN modes.
-Total field and/or dip-angles in % with 50/60Hz powerline mode.

Readouts: - Automatic, direct readout on 90mm (3.5") edgewise meters in MAX and MIN modes. No nulling or compensation necessary.
-Field strength on IP meter and dips in % on tilt meter when using 50/60 Hz powerlines.

Scale Ranges: In-Phase: ±20%, ±100% &±4% F.S.

Quadrature: ±20%, ±100% &±4% F.S.

Tilt: ±75% slope.
Null Sensitivity adjustable by separation switch.

Readability: In-Phase and Quadrature: 0.1 % to 0.5% ; Tilt: 1%.

Repeatability: ±0.1 % to ±1% normally, depending on conditions, frequencies and coil separation used.

Transmitter Output: 110Hz: 240 Atm^2, 3520Hz: 90
220Hz: 235 7040Hz: 45
440Hz: 230 14080Hz: 22
880Hz: 220 50/60Hz: N/A
1760Hz: 180

Receiver Batteries: 9V trans. radio type batteries (4). Life: approx. 35hrs. continuous duty (alkaline, 0.5 Ah), less in cold weather.

Transmitter Batteries: 12V 13 Ah Gel-type rechargeable battery. (Chargers supplied).

Reference Cable: Light weight 2-conductor teflon cable for minimum friction. Unshielded. All reference cables optional at extra cost. Please specify.

Voice Link: Built-in intercom system for voice communication between receiver and transmitter operators in MAX and MIN modes, via reference cable.

Indicator Lights: Built-in signal and reference warning lights to indicate erroneous readings.

Temperature Range: -40°C to +60°C (-40°F to +140°F).

Receiver Weight: 6kg (14 lbs.)

Transmitter Weight: 15kg (33 lbs.)

Shipping Weight: Typically 80 kg (176 lbs.), depending on quantities of reference cable and batteries included. Shipped in two field/shipping cases.

Specifications subject to change without notification

Equipped with interface and controls for direct plug-in of KTP-84 data acquisition unit.

APEX PARAMETRICS LIMITED
P.O. BOX 818, RR#1, UXBRIDGE, ONTARIO, CANADA L0C 1K0

Phone: (416) 852-5875 Cables: APEXPARA TORONTO Telex: 06-966625 APEXPARA UXB

OMNI PLUS VLF/Magnetometer System

Major Benefits of the OMNI PLUS

- Combined VLF/Magnetometer/Gradiometer System
- No Orientation Required
- Three VLF Magnetic Parameters Recorded
- Automatic Calculation of Fraser Filter
- Calculation of Ellipticity
- Automatic Correction of Primary Field Variations
- Measurement of VLF Electric Field

OMNI PLUS VLF/Magnetometer System

Description

The "OMNI PLUS" geophysical system combines the OMNI IV "Tie-Line" magnetometer and gradiometer together with a VLF measurement capability.

The OMNI PLUS VLF/Magnetometer System has been developed in co-operation with Geophysical Surveys Inc. of Quebec, Canada.

This brochure concentrates on the VLF magnetic and electric field parameters measured and recorded by the OMNI PLUS. More information on the OMNI PLUS magnetometer system and tie-line capability is available in the OMNI IV brochure.

Features

Each OMNI PLUS incorporates the following features:

- Measurement and recording in memory of the following VLF data for each field reading:
  - total field strength,
  - total dip,
  - vertical quadrature or, alternately, horizontal amplitude,
  - apparent resistivity,
  - phase angle,
  - time,
  - grid co-ordinates,
  - direction of travel along grid lines, and
  - natural and cultural features.
- Complete data protection for a number of years by an internal lithium backup battery.
- "Tie-Line" or "Looping" algorithm, unique only to EDA's OMNI IV and OMNI PLUS Series, for the self-correction of atmospheric variations and variations in the primary field from the VLF transmitter.
- Measurement of up to three VLF transmitting stations to provide complete coverage of an anomaly regardless of the orientation of the survey grid or of the anomaly itself.
- Display descriptors to monitor the quality of the VLF signal being measured.
- Choice of three data storage modes:
  - spot record, for readings without grid co-ordinates
  - multi record, for multiple readings at one station
  - auto record, for automatic update of station number
- Output of grid co-ordinates with the designated compass bearing, using N, S, E, W descriptors.

Major Benefits

- **Combined VLF/Magnetometer/Gradiometer System**

  The OMNI PLUS incorporates the capabilities of the OMNI IV "Tie-Line" Magnetometer and Gradiometer System with the ability to measure the VLF magnetic and electric fields.

  Only one OMNI PLUS is needed to record all of the following geophysical parameters:

  1. The total magnetic field
  2. The simultaneous gradient of the total magnetic field
  3. The VLF magnetic field, including:
     - the total dip
     - the total field strength of the VLF magnetic field
     - the vertical quadrature, or alternately, the horizontal amplitude
  4. The VLF electric field, including:
     - the phase angle
     - apparent resistivity

  As an example, at each location the OMNI PLUS can calculate and record in a matter of seconds, three VLF magnetic field and two VLF electric field parameters from two different transmitters, a magnetic total field reading and a simultaneous magnetic gradient reading.

- **No Orientation Required**

  The OMNI PLUS requires no orientation, by the operator, of the sensor head toward the transmitter station. This simplifies field procedures as well as saving considerable survey time. When two VLF transmitters are measured, the benefits of this time-saving feature are automatically doubled. There is no requirement for the operator to orient himself and the sensor head toward the first selected transmitting station and then re-orient towards the second transmitting station.

  Consistent high quality data is achieved in the OMNI PLUS due to the utilization of three orthogonal sensor coils rather than two sensor coils used in conventional systems. The quality of data is not then dependent on the operator's ability to correctly orient the sensor head for optimum coupling with the transmitting station.

  The OMNI PLUS compensates automatically for the direction of travel along the grid lines as well as for the angle of the sensors from the vertical plane through the use of tiltmeters.

- **Three VLF Magnetic Parameters Recorded**

  The OMNI PLUS calculates and records in memory the:
  - total dip
  - total field strength
  - vertical quadrature

  The operator has the option to substitute the horizontal amplitude for the vertical

quadrature. The OMNI PLUS calculates each of these parameters from the in-phase and quadrature measurements of all three components.

Automatic Calculation of Fraser Filter

The OMNI PLUS automatically calculates the Fraser Filter, from the dip angle data, regardless of the interval between the stations along the grid lines. The operator no longer has to manually perform this mathematical calculation thereby reducing the possibility of human error. The Fraser Filter algorithm follows established conventions.

The operator can choose to output either the total dip or the Fraser filtered data, or both.

• Calculation of Ellipticity

The OMNI PLUS calculates the true ellipticity of the VLF magnetic field from the measurement of the in-phase and quadrature of all three components. The ellipticity provides more interpretative information about the anomaly than the dip angle and is less influenced by overburden shielding.

• Automatic Correction of Primary Field Variations

The OMNI PLUS can be used as a base station to monitor primary field changes from up to three VLF transmitters as well as alternately measuring the variations in the magnitude of the earth's magnetic field. Only **one** OMNI PLUS is needed to perform both functions.

The OMNI PLUS base station can then automatically correct, by linear interpolation, the field units for these drift variations in the primary VLF and total magnetic fields.

• Measurement of VLF Electric Field

The OMNI PLUS calculates and records the apparent resistivity and phase angle from the measurement of the VLF electric field. This VLF electric field measurement can be accomplished by using capacitively or resistively coupled electrodes at spacings of 5, 10 or 20 meters.

Other Benefits

• Automatic Tuning

The OMNI PLUS automatically tunes up to three VLF transmitters within a frequency range of 15 to 30 kHz, once the operator has programmed in the specific frequencies.

• Base Station Synchronization

The OMNI PLUS has a unique "count-down" feature which can be activated in the field unit upon synchronization with the base station. The field unit then displays and decrements the remaining time, in seconds, until the base station is scheduled to take a measurement. The operator can obtain a field reading at exactly the same time as the base station. The simultaneous field and base station measurements significantly improve the automatic correction accuracy.

• Automatic "Tie-Line" Correction

The OMNI PLUS can automatically correct by itself the VLF field data for atmospheric variations and changes in the primary field originating from the VLF transmitter. By tieing-back into one or several tiepoints on the grid, the OMNI PLUS will automatically calculate and apply the drift measured to the field data previously recorded in memory. More information on this unique "tie-line" method can be obtained from page 3 of the OMNI IV brochure.

• Notation of Natural and Cultural Features

The OMNI PLUS can record natural and cultural features unique to each grid location. This capability eliminates the need for a field notebook and provides additional information that can assist in interpreting recorded data.

• Analogue Output

Since VLF as well as magnetic data is often easier to interpret as a profile plot, data collected by the OMNI PLUS can be represented in analogue format at a vertical scale best suited for data presentation. The operator can selectively output in analogue and/or digital format, up to 10 of the following parameters:

- total dip
- Fraser filtered data
- ellipticity
- VLF total field strength
- vertical quadrature
- horizontal amplitude
- apparent resistivity
- phase angle
- magnetic total field strength
- magnetic vertical gradient

• Computer Interface

The OMNI PLUS can transfer uncorrected, corrected or filtered data to most computers with a RS232C port. In some cases, a DCA-100 Data Communications Adaptor may be required. Computers with collection packages including either "X-ON, X-OFF" or "ENQ/ACK" communications protocol formats are also compatible.

EDA

Specifications*

Frequency Tuning Range	15 to 30 kHz, with bandwidth of 150 Hz; tuning range accommodates new Puerto Rico station at 28.5 kHz
Transmitting Stations Measured	Up to 3 stations can be automatically measured at any given grid location within frequency tuning range
Recorded VLF Magnetic Parameters	Total field strength, total dip, vertical quadrature (or alternately, horizontal amplitude)
Standard Memory Capacity	800 combined VLF magnetic and VLF electric measurements as well as gradiometer and magnetometer readings
Display	Custom designed, ruggedized liquid crystal display with built-in heater and an operating temperature range from −40°C to +55°C. The display contains six numeric digits, decimal point, battery status monitor, signal strength status monitor and function descriptors.
RS232C Serial I/O Interface	2400 baud rate, 8 data bits, 2 stop bits, no parity
Test Mode	A. Diagnostic Testing (data and programmable memory) B. Self Test (hardware)
Sensor Head	Contains 3 orthogonally mounted coils with automatic tilt compensation
Operating Environmental Range	−40°C to +55°C; 0 – 100% relative humidity; Weatherproof
Power Supply	Non-magnetic rechargeable sealed lead-acid 18V DC battery cartridge or belt; 18V DC disposable battery belt; 12V DC external power source for base station operation only.

Weights and Dimensions	
Instrument Console	2.8 kg, 128 x 150 x 250 mm
Sensor Head	2.1 kg, 130 dia. x 130 mm
VLF Electronics Module	1.1 kg, 40 x 150 x 250 mm
Lead Acid Battery Cartridge	1.8 kg, 235 x 105 x 90 mm
Lead Acid Battery Belt	1.8 kg, 540 x 100 x 40 mm
Disposable Battery Belt	1.2 kg, 540 x 100 x 40 mm

*Preliminary

EDA Instruments Inc.,
4 Thorncliffe Park Drive,
Toronto, Ontario
Canada M4H 1H1
Telex: 06 23222 EDA TOR,
Cables: Instruments Toronto
(416) 425-7800

In USA,
EDA Instruments Inc.,
5151 Ward Road,
Wheat Ridge, Colorado
U.S.A. 80033
(303) 422-9112

Printed in Canada

Statement of Qualifications

I, Bob B.H. Lo am employed as a Senior Geophysicist by Inco Exploration and Technical Services Incorporated.

My work address is:

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Exploration Building
Highway 17 West
Copper Cliff, Ontario
Canada
P0M 1N0

I reside at:

35 Harju Crescent
RR2, Site 20, Box 63
Sudbury, Ontario
Canada
P3E 4M9

I graduated from the University of Toronto with a Bachelor of Applied Science degree in the Geophysics option of Engineering Science in 1981 and with a Masters of Science degree in Physics--Geophysics also from the University of Toronto in 1985. In 1992, I received a Masters of Business Administration Degree from Laurentian University in Sudbury, Ontario.

I am a Licensed Professional Engineer in the Province of Ontario, an Associate member of the Society of Exploration Geophysicists (Tulsa), a member of the Environmental and Engineering Geophysical Society (Denver), Canadian Exploration Geophysicists (Toronto), Canadian Institute of Mining and Metallurgy (Toronto), and the Prospectors and Developers Association (Toronto).

Since 1981, I have been involved in the use of geophysics for mineral exploration, geotechnical, and environmental applications. I have supervised projects and interpreted data from both Canada and the United States of America and overseas.

APPENDIX II

Abbreviations used:

py	= pyrite	musc	= muscovite
po	= pyrrhotite	ser	= sericite
bn	= bornite	bio	= biotite
ga	= galena	coarse-gr	= coarse-grained
cpy	= chalcopyrite	fine-gr	= fine-grained
sph	= sphalerite	med-gr	= medium-grained
sch	= schist	diss'm	= disseminated
qtz	= quartz	deg	= degrees

IETS TRAVERSE NUMBER:
N.T.S.: 103H/12

PROJECT: Pitt / Trinity
AREA: Pitt Island, B.C.

GEOLOGIST: D. Bohme
DATE: June 3–15, 1992

SAMPLE NUMBER	RX ROCK TALUS/ FLOAT	GRAB CHIP CHANNEL	SAMPLE LENGTH WIDTH AREA	PLOTTED ON MAP # OR FIG. #	ROCK SAMPLE DESCRIPTION rock type, lithology, mineralization, etc.
46873	rock	chip	1m	Map 3	A 10–20cm wide quartz–py–po segregation hosted in fine–grained amphibolite (felted hornblende); sugary white, coarse–grained quartz.
46874	rock	chip	1m	Map 1	Gossanous outcrop; dark grey/purple impure quartzite with 1–3% pyrite, weakly magnetic; fine biotite throughout, some thin shale partings (Unit 1?).
46875	talus	grab	0.3	Map 3	Angular float collected near RX 46880; hard, siliceous hornfelsed biotite quartz schist; strong epidote–carbonate alteration in places, some chlorite also; wispy streaks of pyrite and possible galena and chalcopyrite.
46876	rock	chip	0.4m	Map 1	Along creek, about 60m west of Trinity 1&2 LCP; several 1–5cm wide bands of light grey quartzite with up to 3% pyrite–pyrrhotite (slightly magnetic). Hosted in quartz–biotite–chlorite schist; traces of py and po.
46877	rock	chip	0.8m	Map 3	Near L 5200W + 4625N; foliated grey–green quartz–biotite schist, locally chloritic with some finely disseminated pyrite.
46878	rock	chip	0.1m	Map 3	Narrow quartz vein with fine pyrite, possible molybdenite, in quartz–chlorite–biotite schist (taken near contact with intrusive rocks).
46879	rock	chip	1m	Map 3	Siliceous, hornfelsed(?), greenish–gray metawacke with fine pyrite streaks and bands up to 1cm thick. Some epidote present.
46880	rock	chip	0.6m	Map 3	Taken mostly of discontinous, coarse–grained quartz segregation/knots within hornfelsed biotite–rich schist; sulphides noted include pyrrhotite, pyrite, chalcopyrite and fine galena usually along quartz vein selvages.
46881	rock	chip	0.5m	Map 3	Sample taken of quartz–biotite–pyrite schist band within amphibolite unit; medium–grained pyrite throughout, weakly magnetic.
46882	talus	grab	0.2m	Map 3	Sub–angular rusty float of quartz–rich muscovite schist with thin pyrite bands/streaks throughout (3 to 5% sulphides). Trace chalcopyrite.
46883	rock	grab	0.5m	Map 3	Bleached, well foliated quartz–sericite–pyrite schist (up to 15% pyrite). Narrow, friable fault(?) zone at 160degrees/80 degree dip west that carries strong pyrite mineralization with lesser galena, cpy and sphalerite (mineralization usually in quartz lenses within the muscovite/sericite schist unit). This narrow, discordant zone carries between 10–20% sulphides.
46884	rock	chip	1m	Map 3	Bleached, whitish coloured, friable muscovite/sericite–quartz–pyrite schist (2–5% pyrite throughout). Strongly schistose.

46885	rock	chip	2m	Figure 7	Lower Team Showing: sample taken at an oblique angle to the strike of
					the mineralized zone (about 0.5m across true width). Massive sulphide
					consists of pyrite, chalcopyrite, covellite, bornite and sphalerite.
46886	rock	grab	1 x 1m	Map 5	Siliceous biotite schist with 1 – 3% pyrite as fine – grained disseminations.
					Intrusive contact about 30 – 40m to the west (elevation 425m).
46887	rock	chip	0.3m	Map 5	Taken near RX 46886, quartz – pyrite – biotite schist.
46888	rock	grab	0.5 x 1m	Map 5	Pyritic quartz vein/lense in biotite – rich schist. Trace chalcopyrite.
46889	rock	chip	1.5m	Figure 5	Taken just below RX 51526, 51527; mostly hanging – wall micaceous
					quartzite unit. Massive, weakly foliated biotite quartzite, locally developed
					gneissic texture. Fine pyrite along foliation planes.
46890	rock	chip	1.5m	Figure 5	Taken about 20m above RX 46889; quartzite unit similar to above; fine
					pyrite bands associated with biotite flakes.
46891	rock	chip	2m	Map 3	Same quartzite unit as above; sample taken at the head of Pyrite Creek;
					equilgranular, sugary texture noted with fine biotite/muscovite throughout..
46892	rock	chip	0.5m	Map 3	Amphibolite dyke parallel to the foliation (about 30cm wide) hosted in
					black biotite schist. Finely felted hornblende throughout, minor pyrite.
46893	rock	chip	0.3m	Map 4	Intrusive dyke in Pyrite Creek that truncates the foliation; possible greisen:
					coarse – grained muscovite present with fine garnets throughout; texture
					varies from fine – grained to pegmatitic (coarse – grained feldspars).
46894	rock	chip	0.2m	Map 4	Same intrusive dyke as above excepte more mafic (diorite?) in
					composition towards the margins. About 50% biotite with fine muscovite.
					Multiphase dyke(?). Syntectonic(?).
46895	rock	chip	1m	Map 4	In Pyrite Creek shear zone; quartz – muscovite – pyrite schist with granitoid/
					felsic intrusive clasts up to 3cm across (taken of muscovite schist only).
46896	rock	chip	1m	Map 4	At Junction Showing; footwall of massive sulphide zone; fairly massive
					quartz – biotite – chlorite schist (biotite altering to chlorite).
46897	rock	chip	0.3m	Map 4	Same location as RX 46896; taken of black hornblende – rich amphibolite
					dykes (up to 30cm wide) within quartz – biotite – pyrite schist.
46898	rock	chip	2m	Map 4	Junction Showing Area; muscovite/sericite – rich schist with cherty
					siliceous zones carrying 1 – 5% pyrite and minor galena – chalcopyrite.
46899	rock	chip	0.4m	Map 4	Adjacent to RX 46898; thin quartz – biotite schist interbands parallel
					to the foliation of the quartz – muscovite – pyrite schist. Traces of galena.
46900	rock	chip	1m	Map 4	Adjacent to RX 46899; strongly schistose quartz – muscovite – pyrite schist
					carrying up to 10% pyrite (possible shear zone?). Traces of fine galena.
49890	rock	chip	1.5m	Map 3	Muscovite – pyrite – biotite schist (up to 5% pyrite).
49891	rock	chip	1.5m	Map 3	Adjacent to RX 49890; biotite – rich schist with 1 – 3% pyrite. Some
					narrow quartz segregations (attitude 345degrees/80 degree dip east).

51501	rock	grab	0.5m	Map 1	Medium to dark gray, massive to slightly foliated, tabular boulder of
					quartzite(?) with gossanous stains and 1–2% fine–gr disseminated pyrite.
51502	rock	grab	0.5m	Map 2	Strongly gossanous dark–to medium gray, fine–grained slatey graywacke
					with carbonaceous biotite–quartz schist (about 3% disseminated pyrite).
51503	talus	grab	0.5m	Map 3	Tabular boulder of metasediment/greywacke similar to above with some
					rusty stains and about 1% disseminated, fine–grained pyrite.
51504	rock	grab	0.5m	Map 3	Sample collected from outcrop in stream towards edge of bowl. Mafic
					feldspathic biotite schist; moderate to strongly foliated but distinctly
					porphyritic with 10% plagioclase phenos up to 0.5cm across.
51505	rock	grab	0.5m	Map 3	Outcrop in the same stream as the above. Weak to moderate sericite
					altered fine–grained biotite–quartz–feldspar schist. Hosts 2–4% pyrite as
					disseminations and thin stringers. Alteration occurs over a 2m wide zone.
					Sample taken mostly of high–grade pyrite zone.
51506	rock	grab	0.5m	Map 3	Sample of high grade pyrite zone just west and adjacent
					to the above sample (description similar to above).
51507	talus	grab	0.4m	Figure 5	Sub–angular float; consists of fine–grained sugary biotite schist with
					siliceous patches; possible galena, chalcopyrite and pyrite mineralization.
51508	talus	grab	0.4m	Figure 5	Dark gray, fine–gr, weakly banded and platey graywacke with about
					5% fine–gr disseminated pyrite along foliation planes or as thin laminae.
51509	rock	grab	0.4m	Figure 5	Outcrop about 35m southeast from the above sample and upslope from
					RX 51507. Sample bias toward whitish band (15–20cm wide) conformable
					to the regional foliation. Possible siliceous/felsic segregation. Hosts
					1–3% pyrite with minor chalcopyrite and galena usually along margins of
					quartz sweats. Approximately 20% patches/blotches of very fine–grained
					sericite and greenish chlorite give the unit a mottled appearance.
51510	rock	grab	0.3m	Figure 5	Sample from same felsic layer as described above but bias towards quartz
					segregation which hosts patches of galena–pyrite and minor chalcopyrite.
51511	rock	chip	0.4m	Figure 5	Dark gray, fine–grained, salt/pepper biotite–quartz–feldspar schist. Hosts
					fine–grained disseminated pyrite and minor chalcopyrite. Sporadic
					felsic layers attenuated into lensoidal pods parallel to foliation.
51512	rock	chip	0.55m	Figure 5	Sample east and continuation of the above sample. Sericitic biotite–
					chlorite schist with 2–4% disseminated pyrite–chalcopyrite–galena noted
					in a narrow quartz segregation. Minor bornite also noted.
51513	rock	chip	0.6m	Figure 5	Sample east and continous from the above sample. Lithology
					very similar to RX 51511; gradational into adjacent sericite schist
					in RX 51512. Typified by dark gray, fine–grained and massive to slightly
					massive gneissic texture (meta–graywacke?).

51514	rock	chip	0.5m	Figure 6	Sample collected downslope from RX 51513. Dark to light gray
					quartz–biotite schist with some pyrite (Team Showing Trench).
51515	rock	chip	0.45m	Figure 6	Medium to coarse–grained sericite schist with patches of semi–
					massive sphalerite, chalcopyrite and pyrite. A large clast or
					attenuated dyke of granite is also present (20% of sample).
51516	rock	chip	0.2m	Figure 6	Fine–grained, strongly foliated/layered quartz–sericite schist
					exhibiting recessive weathering and strong gossanous staining.
					Hosts fine pyrite as laminae parallel to foliation (minor chalcopyrite).
51517	rock	chip	0.75m	Figure 6	Massive sulphide zone. About 80% sulphides, 20% silica–biotite
					matrix. Sulphides consist of bornite, pyrite, sphalerite and
					chalcopyrite. About 15% of the sample are polymictic clasts 1 to 20cm in
					size which exhibit concentric fractures with secondary(?) sulphides
					(clasts are well–rounded). Clasts are dominated by granodiorite
					while others are very siliceous. Sulphides are granular (coarse–grained).
51518	rock	chip	0.45m	Figure 6	Massive sulphide as above. Distinctly harder (more siliceous).
51519	rock	chip	0.9m	Figure 6	Medium to coarse–gr sericite/muscovite schist; minor biotite
					schist with coarse–grained euhedral pyrite and sporadic chalcopyrite–
					bornite stringers/patches parallel to the foliation. Appears to
					form a rind on the margin of the massive sulphide zone (shear
					postdates? the massive sulphide zone).
51520	rock	chip	0.7m	Figure 6	Medium to coarse–grained, crenulated quartz muscovite/sericite
					schist. Between 1–5% pyrite (distinctly less than RX 51520) as thin
					stringers parallel to the foliation.
51521	rock	chip	1m	Figure 6	Crenulated quartz–muscovite–pyrite schist; some limonite after
					pyrite (rusty weathering).
51522	rock	chip	1m	Figure 6	Rusty weathering quartz–muscovite schist; minor pyrite (limonitic).
51523	rock	chip	1m	Figure 6	As above; quartz–muscovite schist. Minor pyrite.
51524	rock	chip	1.8m	Figure 6	Weathered quartzite(?) and muscovite schist; friable in places, weakly
					banded and moderately schistose; minor fine–grained pyrite (limonitic).
51525	rock	chip	1m	Figure 6	Same description as above.
51526	rock	chip	0.4m	Figure 5	Upper Team Showing; sulphide–rich tectonized massive sulphide;
					mostly pyrite and chalcopyrite with lesser bornite and sphalerite
					(strong chalcopyrite mineralization towards the margins).
51527	rock	chip	0.6m	Figure 5	Upper Team Showing (adjacent to RX 51526); quartz–sericite/muscovite
					schist with fine pyrite throughout (friable schist). Some gouge evident.
51528	rock	grab	0.5m	Map 1	Dark–gray, fine–grained argillite with interlayered siltstone. Thin pyrite
					stringers associated with light gray silicic layers, some disseminated pyrite.

IETS TRAVERSE NUMBER:
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PROJECT: Pitt / Trinity
AREA: Pitt Island, B.C.

GEOLOGIST: D. Bohme
DATE: June 3–15, 1992

SAMPLE NUMBER	RX ROCK TALUS/ FLOAT	GRAB CHIP CHANNEL	SAMPLE LENGTH WIDTH AREA	PLOTTED ON MAP # OR FIG. #	ROCK SAMPLE DESCRIPTION rock type, lithology, mineralization, etc.
51529	rock	grab	0.5m	Map 1	Moderate to strongly gossanous medium to coarse–gr muscovite biotite–
					garnet schist with some disseminated pyrite. Unit distinctly recessive.
51530	rock	grab	0.5m	Map 1	Medium to coarse–grained muscovite schist with 15–20% pyrite as fine
					disseminations and stringers parallel to foliation. Host rock appears to be a
					sheared, schistose granodiorite. Strongly contorted in places.
51531	rock	grab	0.5m	Map 1	Sample collected 100m downslope from the above. Lithology very
					similar but carries pyrite concentrations of up 25%.
51532	core	DH 89–4	76m	Map 3	Muscovite–altered, medium–grained biotite quartz diorite/granodiorite.
51533	talus	grab	0.5m	Map 3	Fine–grained quartz–feldspar–biotite gneiss (minor pyrite).
51534	rock	chip	0.4m	Map 3	Meadow Creek Showing; strongly foliated coarse–gr quartz–musc/ser
					schist with about 5% disseminated pyrite and trace bornite/chalcopyrite.
					Muscovite schist cross–cuts moderately deformed granodiorite.
51535	rock	chip	0.2m	Map 3	Collected adjacent and west of the above sample. Fine–gr oxidized
					intrusive zone displaying a fine–grained sugary texture. Hosts irregular
					patches of finely disseminated pyrite & minor chalcopyrite and sphalerite.
51536	talus	grab	0.2m	Map 3	Angular boulder located in small rill. Medium grey to white, very
					siliceous quartzite(?) Very fine grained with subtle banding. Hosts
					up to 15% sulphides including 1% cpy as fine disseminations
					crudely parallel to the foliation (also about 10% sphalerite–
					galena as bands discordant to the foliation).
51537	rock	grab	0.2m	Map 3	Float boulder sample located 5m down from RX 51536. Lithology
					similar to RX 51535 however galena content much higher (about 5%).
51538	rock	grab	0.5m	Map 3	Sample location proximal to the above. Consists of fine–grained sugary
					gneiss (muscovite–quartz–feldspar). Very fine–grained pyrite as
					disseminations and coarser patches which are crudely parallel to foliation.
51539	rock	grab	0.5m	Map 3	Quartz–feldspar–biotite schist, med–gr with aproximately 3% fine–
					grained platey pyrite. Moderate to strong shistosity which exhibits near–
					vertical plunging folding. Sample bias towards fold hinge.
					Foliation at 140 degrees/80 degree dip west.

51540	talus	grab	0.5m	Map 3	Boulder of dark gray, biotite–rich metasediment on steep slope. Very
					fine–grained disseminations of molybdenite, possible galena; also
					fine–grained pyrite associated with quartz–rich zones; locally magnetic.
51541	talus	grab	0.5m	Map 3	Sample collected from float boulder adjacent to RX 51540. Gossanous
					in places. Appears to be a quartz–feldspar rich lithology (gneissic).
					Hosts about 15% very fine–grained disseminated pyrite with lesser galena.
51542	talus	grab	0.5m	Map 3	Highly contorted medium to coarse–gr quartz–feldspar–biotite schist with
					secondary chlorite overgrowths on biotite. Garnetiferous, up to 5% pyrite.
51543	rock	grab	0.5m	Map 1	Medium to coarse–gr muscovite–quartz sch with rusty limonitic staining.
					Carries up to 5% disseminated medium–grained pyrite. Possible foliated
					granite but metasedimentary screens also noted. Foliation @ 136 degrees.
51544	rock	grab	0.5m	Map 1	Muscovite–biotite–qtz–feldspar banded gneiss, likely metasedimentary
					screen within granodiorite. Measures up to 1m wide but dies out a
					few meters along strike. Collected 10m SE of the above sample.
51545	rock	grab	0.5m	Map 1	Quartz–muscovite schist zone parallel to foliation at 140 degrees/vertical
					dip within a strongly foliated granodiorite. Zone about 0.5m wide and
					hosts approximately 3% fine–grained disseminated py (similar to RX 51543
51546	rock	grab	0.5m	Map 3	Similar to the above sample; appears to be a foliated granodiorite. The
					muscovite schist appears to grade into biotitic metasediments to the north.
51547	rock	grab	0.5m	Map 3	Similar to above, highly contorted medium–to coarse–grained muscovite
					–biotite schist with about 10% finely disseminated pyrite and possible
					galena(?). Small scale folding evident. Foliation 165 degrees/vertical dip.
51548	rock	grab	0.5m	Map 1	Gossanous and slightly pyritic, fine–grained meta–siltstone with black–to
					dark grey intercalated argillite. Foliation at 145 degrees/75 degree dip
					east. Lineation; 20 degree dip at an attitude of 325 degrees.
51549	rock	grab	0.5m	Map 1	Similar to the above but pyrite content significantly higher(up to 15%).
					Pyrite occurs along fractures and as disseminations parallel to foliation.
					A few narrow quartz sweats noted as 0.5cm wide bands parallel to
					foliation (sample collected 150m SW from the above east of slide).
51550	rock	grab	0.5m	Map 1	Large partially overgrown slide area. Quartz vein crosscutting dark
					gray argillite. Vein consists of milky white crystalline quartz (void
					filling). Hosts about 2% pyrite–pyrrhotite as irregular coarse–gr
					masses. Vein approximately 25cm wide and traceable over 40cm length.
51551	core	DH 89–4	78m	Map 3	Muscovite–biotite–quartz–feldspar grit schist with 1% disseminated pyrite.
51552	core	DH 89–4	79.5m	Map 3	Dark gray/green biotite–chlorite schist (strongly foliated). Brownish,
					hydrothermally altered biotite noted near mineralization (mafic dyke?).

51553	core	DH 89–2	19.8m	Map 3	Aphanitic biotite granodiorite porphyry. Weakly chloritic.
51554	core	DH 89–4	68m	Map 3	Potassium feldspar(?) altered biotite schist adjacent to intrusive dyke.
51555	core	DH 89–4	23m	Map 3	Muscovite–biotite granodiorite carrying up to 3% disseminated pyrite.
51556	core	DH 89–1	75m	Map 3	Similar to RX 51532; med–gr, muscovite–biotite granodiorite intrusive.
51557	core	DH 89–1	75.5m	Map 3	Similar to RX 51554; adjacent to granitic dyke; hornfelsed arkosic grit schist
51558	rock	chip	0.5m	Map 1	Slightly gossanous patch of meta–siltstone/argillite with 3–5% pyrite
					as disseminations and thin stringers parallel to the foliation;
					attitude @ 160 degrees/85 degree dip southwest.
51559	rock	chip	1m	Map 3	Med to coarse–gr muscovite schist carrying up to 25% py as coarse–gr
					euhedral bands and disseminations aligned as trains parallel to foliation.
					Sample bias towards narrow pyritic zone. Trace chalcopyrite and bornite.
51560	talus	grab	0.5m	Map 3	Rusty float boulder of biotite–feldspar–quartz schist (highly contorted).
					Hosts about 15% pyrite as fine–grained disseminations in felsic bands;
					also, some coarser grained disseminations in biotite–rich layers.
51561	talus	grab	0.5m	Map 3	Strongly gossanous boulder. Biotite–muscovite–quartz–feldspar schist
					with up to 15% pyrite as coarse patches conformable to the foliation.
					Minor chalcopyrite associated with the pyrite.
51562	talus	grab	0.5m	Map 3	Similar to RX 51561; no visible chalcopyrite.
51563	talus	grab	0.5m	Map 3	Similar to RX 51561 but is coarser grained with biotite partially
					recrystallized to chlorite. Hosts 5% coarse–grained disseminated pyrite.
51564	talus	grab	1m	Map 3	Coarse–grained biotite–muscovite schist irregular patches and stringers
					of pyrite; trace chalcopyrite.
51565	talus	grab	0.5m	Map 1	Strongly contorted and foliated biotite–muscovite quartz schist. Rusty
					patches associated with 1–3% fine–grained disseminated pyrite.
51566	rock	chip	1m	Map 1	Mostly massive, coarse–grained, euhedral pyrite. Some grains
					up to 1cm across. Poorly consolidated massive sulphides; crumbles
					readily into gravel–type material. Zone 20–30cm wide and traceable
					over a strike length of 15m.
51567	rock	chip	0.30m	Map 1	Description same as above (10m along strike of pyritic zone).
51568	rock	chip	0.5m	Map 1	Sample collected west and adjacent to the above massive pyrite zone.
					Coarse–grained, strongly gossanous muscovite qtz schist; up to 5%
					fine–grained to medium–grained disseminated pyrite throughout.
51569	talus	grab	0.5m	Map 1	Sample downslope from the above; granodiorite with iron stain and
					variable muscovite alteration; no sulphides apparant. Strong weathering.
51570	talus	grab	0.5m	Map 1	Sample upslope from RX 51666–668; highly contorted med to coarse–gr
					muscovite–qtz–feldspar–biotite schist with 15% finely disseminated pyrite
					concentrated in tight fold hinge (approximately 1m of amplitude).

IETS TRAVERSE NUMBER:
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PROJECT: Pitt / Trinity
AREA: Pitt Island, B.C.

GEOLOGIST: D. Bohme/M. Slauenwhite
DATE: June 20–30, 1992

SAMPLE NUMBER	RX ROCK TALUS/ FLOAT	GRAB CHIP CHANNEL	SAMPLE LENGTH WIDTH AREA	PLOTTED ON MAP # OR FIG. #	ROCK SAMPLE DESCRIPTION rock type, lithology, mineralization, etc.
51571	rock	grab	0.5m	Map 1	Medium–grained biotite granodiorite with fine reddish garnets.
51572	rock	grab	0.5m	Map 1	Coarse–gr muscovite–biotite–quartz schist (3–5% disseminated pyrite).
51573	rock	grab	0.5m	Map 1	Similar to RX 51572; siliceous biotite–muscovite schist.
51574	rock	grab	0.5m	Map 1	Granular salt & pepper textured biotite–feldspar–pyrite grit schist (unit 4).
51575	rock	grab	0.5m	Map 1	Fine–grained biotite–rich grit schist with coarse–grained euhedral pyrite
					and secondary chlorite after biotite (strike 110 degrees/35 degree dip west)
51576	talus	grab	0.5m	Map 1	Numerous deeply rusted boulders; ferricrete with numerous rusty granitic
					clasts and muscovite schist hosted in a goethite–rich matrix.
51577	rock	grab	0.5m	Map 1	Chlorite–py–biotite schist with 25% white, highly contorted quartz veinlets.
51578	rock	grab	1m	Map 1	Massive sulphides, dominated by coarse–grained pyrite similar to RX
					51566; zone about 15cm wide and hosted by biotite–muscovite schist.
51579	rock	chip	0.6m	Figure 8	Medium to fine–gr biotite–quartz schist with 1% disseminated pyrite and
					some coarse–grained chlorite overgrowths. Biotite usually brown. Strike
					150 deg/60 deg dip west. Footwall to east is massive biotite quartz diorite.
51580	rock	grab	0.4m	Figure 8	Speckled qtz–biotite–feldspar schist with interbedded carbonaceous
					biotite–rich schist. Similar to the feldspar–biotite grit schist unit.
51581	rock	grab	0.4m	Figure 8	Light grey, slightly granular quartzite with 5% fine–grained disseminated
					pyrite and trace galena. Distinctly layered with pyrite–biotite aligned
					parallel to foliation. Zone is a few centmeters wide and may be the SE
					extension or distal end of the massive sulphide zone. Fine–grained
					sugary biotite–feldspar–quartz schist marks structural hanging–wall.
51582	talus	grab	0.4m	Figure 8	Sub–rounded boulder about 35cm across of semi–massive sulphides with
					high pyrrhotite content and lesser chalcopyrite, bornite and sphalerite.
					Sulphide–rich material surrounds rounded granitic (mineralized) clasts.
51583	rock	chip	0.7m	Figure 8	Semi–massive sulphide zone consisting of approximately 30% granular,
					euhedral pyrite and chalcopyrite; sulphides occur in a very fine–grained
					biotite–rich matrix. Zone distinctly devoid of conglomeratic clasts.
51584	rock	chip	1m	Figure 8	About 50m below RX 51633; conglomeratic massive sulphide zone carrying
					mostly pyrite, trace bornite, pyrrhotite, chalcopyrite; strong sericite altered
					muscovite schist around massive sulphide, narrow intrusive dyke in footwall

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SAMPLE NUMBER	RX ROCK TALUS/ FLOAT	GRAB CHIP CHANNEL	SAMPLE LENGTH WIDTH AREA	PLOTTED ON MAP # OR FIG. #	ROCK SAMPLE DESCRIPTION rock type, lithology, mineralization, etc.
51585	rock	chip	1m	Figure 8	About 20m above RX 51633, fine–gr pyrite throughout massive sulphide zone (some granitoid clasts) with fine chalcopyrite and sphalerite.
51586	talus	grab	0.3m	Map 2	Angular float about 35cm across; about 35% sulphides dominated by pyrite, chalcopyrite, sphalerite and minor galena. Also about 25% siliceous granitoid clasts up to 2cm across in the sulphide matrix.
51587	talus	grab	0.8m	Map 2	Same description as RX 51586, large boulder about 1.5 by 1m wide.
51588	talus	grab	0.5m	Map 2	Gossanous zone (South Pyrite Creek Showing); wispy massive sulphide zone 10–40cm wide along bio–chlorite/sericite–musc–py contact zone; biotite–rich matrix; trending 135 deg/70 deg dip west (locally magnetic).
51589	rock	chip	0.4m	Map 2	Uppermost showing on South Pyrite Creek; gossanous massive sulphide zone 0.05–25cm wide; wispy bands of py, po, cpy & sph in bio rich matrix.
51590	rock	chip	0.5m	Map 1	Tabular boulder of light grey, micaceous felsic ash(?) tuff; pyritic in places; exhibits pseudo–foliated appearance; in sharp contact with biotite schist.
51591	talus	chip	0.5m	Map 1	Same location as above. Boulder of medium–grained muscovite–biotite schist with 5% pyrite as disseminated grains parallel to the foliation.
51592	rock	grab	0.2m	Map 1	Medium–gr qtz–py–feldspar–biotite schist. Minor quartz–rich bands
51593	rock	grab	0.2m	Map 1	2cm wide. Sample collected 15m SE from RX 51591; similar to the above but more schistose; 10% coarse–gr chlorite and 3% disseminated pyrite.
51594	rock	grab	0.2m	Map 1	Fine–grained quartz–feldspar–biotite schist with subtle lineation marked by fine–grained biotite–rich layers (2% of lithology). Interlayered with fine–grained biotite schist as above but no chlorite or sulphides. Felsic layer 70cm wide. Granite contact 10m to the SW (up–slope).
51595	rock	grab	0.2m	Map 1	Coarse–gr, rusty, muscovite–sch with 3–5% fine–gr euhedral–subhedral pyrite and possible chalcopyrite interbedded with biotite schist (chloritic overgrowths). Attitude 142 deg/62 deg dip west. Located 2m from PD–10.
51596	rock	grab	0.2m	Map 1	Quartz–chlorite–biotite schist outcrop adjacent to the above sample. Chlorite is pale green colour and appears to be secondary after biotite (chlorite is quite coarse). Patches of disseminated pyrite (up to 5%). NOTE: Delancey's rock samples MB–Pitt–91–8 to 10 are located 10m NE.

IETS TRAVERSE NUMBER:
N.T.S.: 103H/12

PROJECT: Pitt / Trinity
AREA: Pitt Island, B.C.

GEOLOGIST: D. Bohme/M. Slauenwhite
DATE: June 20–30, 1992

SAMPLE NUMBER	RX ROCK TALUS/ FLOAT	GRAB CHIP CHANNEL	SAMPLE LENGTH WIDTH AREA	PLOTTED ON MAP # OR FIG. #	ROCK SAMPLE DESCRIPTION rock type, lithology, mineralization, etc.
51597	rock	grab	0.2m	Map 1	Light gray fine–grained felsic to intermediate ash tuff with sporadic clots
					and patches of pyrite and chlorite. Some quartz–rich patches.
51598	rock	grab	0.2m	Map 1	Sample collected along strike from the above (25m); Massive sulphides
					interlayered with biotite schist and grayish felsic horizons. Hosts about
					20% disseminated pyrite with rare clots of chalcopyrite and bornite.
51599	rock	grab	0.2m	Map 1	Same description as RX 51598 (pyrtite–rich biotite schist).
51600	rock	grab	0.2m	Map 1	Medium to light gray siliceous felsic muscovite schist with about 10% pyrite;
					blackish, tarnished pyrite forms granular lineations or layers.
51601	rock	chip	0.4m	Map 4	Massive sulphide zone located 10m south of RX 51602–04; sheared
					sulphides, about 40% pyrite, minor cpy and sph in a biotite–musc schist.
51602	rock	chip	0.9m	Map 4	Quartz–muscovite–biotite schist with up to 5% sulphides, mostly pyrite
					with lesser chalcopyrite, bornite and sphalerite.
51603	rock	chip	1m	Map 4	Similar to the above; slightly more sericitic with 1–5% sulphides.
51604	rock	chip	0.9m	Map 4	Quartz–muscovite schist with 10% sulphides; mainly chalcopyrite with
					variable amounts of pyrite and possible bornite.
51605	rock	chip	0.4m	Map 4	Massive sulphides; mainly pyrite with lesser chalcopyrite and sphalerite in a
					medium to coarse–grained biotite–rich matrix; different from RX 51601 to
					51604 in that there is only minor amounts of muscovite present.
51606	rock	chip	0.4m	Map 4	Massive sulphide zone described as above.
51607	rock	chip	1m	Map 4	Quartz–muscovite schist (sulphide–rich) as above; similar RX 51602–604
51608	rock	chip	1.2m	Map 4	Muscovite–quartz schist with disseminated sulphides similar to RX 51607.
51609	rock	chip	1m	Map 4	Similar to the description above.
51610	rock	chip	0.4m	Map 4	Similar to above except high chalcpyrite content: some remobilized
					sulphides into a shear zone (average 10–15% sulphides).
51611	rock	chip	0.7m	Map 4	Similar description to RX 51605; pyrite–rich quartz–muscovite–biotite
					schist with coarse–grained patches of chalcopyrite.

IETS TRAVERSE NUMBER:
N.T.S.: 103H/12

PROJECT: Pitt / Trinity
AREA: Pitt Island, B.C.

GEOLOGIST: D. Bohme
DATE: June 5–15, 1992

SAMPLE NUMBER	RX ROCK TALUS/ FLOAT	GRAB CHIP CHANNEL	SAMPLE LENGTH WIDTH AREA	PLOTTED ON MAP # OR FIG. #	ROCK SAMPLE DESCRIPTION rock type, lithology, mineralization, etc.
51612	rock	chip	1.1m	Map 4	Massive chalcopyrite–pyrite mineralization (a few small clasts noted).
51613	rock	chip	0.5m	Map 4	Similar description to RX 51611 and 605 but appears to be more
					sheared (highly schsitose) and muscovite/sericite–rich.
51614	rock	chip	0.7m	Map 4	Junction Showing area in Pyrite Creek; sample taken across biotite–rich
					massive sulphide zone (poorly exposed); strong cpy, sph and bornite
					mineralization evident in pyrite–rich matrix. Trending 140 deg/vert dip.
51615	rock	chip	0.5m	Map 4	Junction Showing; biotite–pyrite–rich massive sulphides with numerous
					siliceous variably flattened granitoid(?) clasts. Strike at 140 degrees/
					70 degree dip to the west (strong schistosity).
51616	rock	chip	1m	Map 4	Coarse–grained muscovite schist; large 30cm–size granitoid clasts noted.
51617	rock	chip	1.5m	Map 4	Same description as for RX 51613 (semi–massive sulphide zone).
51618	rock	chip	0.5m	Map 3	Quartz–biotite schist unit in contact with bleached quartz–muscovite
					schist (only pyritic biotite schist sampled).
51619	rock	chip	1m	Map 3	Taken just above RX 51618; very friable, sheared muscovite/sericite schist
					(?fault zone) with boudins of intrusive material. Schistosity at 155 degrees.
51620	rock	chip	0.5m	Map 3	Meadow Creek Showing area; well–mineralized fracture zone in diorite.
					Medium to coarse–gr disseminations of chalcopyrite, sphalerite, galena
					and minor pyrite. Minor bornite noted. Looks like porphyry–related(?),
					fracture–controlled mineralization; some biotite schist screens nearby.
51621	rock	chip	0.8m	Map 3	In narrow creek gully; siliceous biotite–muscovite–pyrite schist zone;
					(?hornfelsed) with stretched boudins of felsic–looking intrusive material.
					Fine pyrite throughout, possible chalcopyrite–galena.
51622	rock	chip	0.8m	Map 3	Numerous siliceous felsic dyklets parallel to foliation of biotite–muscovite
					schist; sporadic fine–grained pyrite, chalcopyrite and minor galena noted.
51623	rock	chip	0.5m	Map 3	Taken adjacent to RX 51622; hornfelsed biotite–muscovite (minor chlorite)
					schist (forms as a narrow screen in diorite) with fine pyrite bands/streaks.
51624	talus	grab	0.4m	Map 3	Angular float sampled near RX 51539; very siliceous hornfelsed/
					skam altered rock with fine pyrite–chalcopyrite throughout. Traces
					of galena–sphalerite; also fine–grained reddish garnets noted in greenish
					epidotized quartz–carbonate rich matrix.

INCO EXPLORATION AND TECHNICAL SERVICES INC.

IETS TRAVERSE NUMBER PROJECT: PITT / TRINITY GEOLOGIST(S) M. Slauenwhite

N.T.S. : 103H/12 AREA: Pitt Island, B.C. DATE June 17 1992

SAMPLE NUMBER	SAMPLE TYPE: RX Rock, Talus	SAMPLE TYPE: Grab, Chip, Channel	SAMPLE LENGTH, WIDTH, AREA	PLOTTED ON: MAP # OR FIG. #	SAMPLE DESCRIPTION: Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	RESULTS (ppm): Cu	Pb	Zn	Ag	Mo	Ba
RX 51625	rock	chip	0.3m	Map 2	Quartz-bio schist band within strongly foliated intrusive.	81	4	201	1.7	1	273
					Traces of fine pyrite; medium-grained gritty texture.						
RX 51626	rock	chip	0.6m	Map 2	Adjacent to RX 51625; cataclasite (foliated granodiorite).	45	14	66	0.5	3	840
					Fine greenish chlorite alteration after biotite; trace pyrite.						
RX 51627	talus	chip	1.0m	Figure 8	Large boulder of (1m by 1.5m) of massive sulphide	50033	5017	21654	68.8	80	9433
					breccia/conglomerate. Pyrite-rich with chalcopyrite						
					streaks with lesser interstial galena-sphalerite-bornite;						
					granular sulphides contain siliceous clasts up 10cm long.						
					Coarse-gr, interstial biotite flakes generally throughout.						
RX 51628	talus	chip	0.6m	Figure 8	About 3m from RX 51627, angular talus boulder up to 2m	51788	5505	43635	58.0	108	18130
					across carries strong cpy-py mineralization. Similar						
					to above description (extension of Pyrite Creek Zone).						
					Fair amount of bornite noted. Numerous flattened clasts.						
RX 51629	rock	chip	0.5m	Figure 8	Elv. 200m, outcrop of quartz-clast massive sulphide unit.	32713	6737	12800	51.8	63	8378
					Pyritic biotite-rich matrix with strong chalcopyrite-sph						
					bornite mineralization towards the margins of the zone.						
RX 51630	rock	chip	1.0m	Figure 8	Brownish biotite-muscovite-pyrite schist in footwall of	1136	232	748	1.9	26	1994
					massive sulphide zone. Numerous granitoid-quartz						
					fragments as elongate boundins parallel to the foliation.						
					Weak to moderate chlorite alteration (after biotite).						
RX 51631	rock	chip	0.5m	Figure 8	Massive sulphides; flattened, rounded clasts throughout.	5443	7261	50116	24.5	109	9870
					Biotite-pyrite rich matrix with chalcopyrite-sph-ga. In						
RX 51632	rock	chip	1.0m	Figure 8	hanging-wall of sulphide zone, intercalated bands of	410	185	689	1.7	5	841
					pyritic quartz-biotite schist and biotite-musc-py schist.						
RX 51633	rock	chip	2.0m	Figure 8	South Creek Showing area, elv. 325 m; very friable,	9903	8162	3069	56.6	173	29854
					schistose, pyritic massive sulphide zone about 2m wide.						
					Possible gouge zone (could be intense weathering) in						
					adjacent biotite-muscovite schist (in hanging-wall).						
RX 51634	rock	chip	1.0m	Figure 7	Large granitoid clast in qtz-musc-py schist; minor cpy.	1308	667	1018	3.7	6	3179
RX 51635	rock	chip	1.1m	Figure 7	Mostly granular massive sulphides with pyritic muscovite	16583	2651	25797	39.8	182	6945
					schist interbands; cpy-bornite-sphalerite-galena noted.						
RX 51636	rock	chip	0.9m	Figure 7	Same as above (Lower Team Showing mineralization).	16727	3640	18669	32.8	257	8845
RX 51637	rock	chip	1.1m	Figure 7	Mostly quartz-musc-py schist; minor chalcopyrite.	2483	377	1376	2.9	13	1837
RX 51638	rock	chip	1.0m	Figure 7	Qtz-ser-py sch with iregular knots of cpy-ga-sph-bn	11037	775	3398	17.4	46	5184
RX 51639	rock	chip	1.4m	Figure 7	Qtz-ser-py schist with brownish bio schist; up to 10%	11597	5396	18356	36.2	24	10631
					sulphides (mostly py) with cpy-bn-galena-sphalerite.						
RX 51640	rock	chip	0.5m	Figure 7	Sulphide-rich musc-bio sch; strong cpy-bornite noted.	20620	2614	13932	38.6	31	7846

51641	rock	chip	0.5m	Figure 7	Quartz–bio–musc–py gneiss; quite siliceous and competent, minor cpy.
51642	rock	chip	0.5m	Figure 5	Quartz–biotite schist; very little pyrite (near Lower Team Showing).
51643	rock	chip	1.5m	Figure 5	Finely banded quartz–biotite schist with minor pyrite.
51644	talus	grab	0.3m	Map 2	Finely disseminated pyrite–pyrrhotite in quartzite; bleached quartz–
					feldspar band that carries most of the sulphide mineralization.
51645	rock	chip	1m	Map 2	Very rusty, muscovite/sericite schist with 5–10% disseminated pyrite; black
					sooty pyrite as small patches (trace chalcopyrite).
51646	rock	chip	0.5m	Map 2	In creek gully, narrow band of siliceous, rusty quartzite; appears to be
					hornfelsed with fine pyrite throughout.
51647	talus	grab	0.3m	Map 2	Rusty angular float; quartz–feldspar–biotite bands with chalcopyrite along
					fracture planes; trace galena, some fine pyrite.
51648	rock	chip	0.5m	Map 2	Along strike of prominent lineament; fine–grained pyrite throughout in
					hornfelsed quartzite(?). Occurs as a narrow screen in gully.
51649	rock	chip	1m	Map 2	On ridgetop; rusty weathering quartz–biotite–chlorite schist. Pale brown
					biotite and fine pyrite throughout.
51650	rock	chip	0.5m	Map 3	Along upper Pyrite Creek; strike extension of massive sulphide zone;
					good cpy–bornite–pyrite along foliation planes of qtz–bio–musc schist.
51651	rock	grab	0.4m	Map 4	Qtz–vein filled rupture zone in folded quartz–feldspar gneiss; quartz is
					milky white with up to 5% coarse–gr pyrite; hosted in biotite–musc schist.
51652	rock	chip	0.3m	Map 3	Epidote–rich microfractures cross–cutting felspathic dioritic intrusive
					dyklet near contact with quartzitic metasedimentary screen.
51653	rock	chip	0.6m	Map 3	In creek gully; magnetic, chloritic amphibolite (mafic metavolcanic?).
51654	rock	chip	0.5m	Map 1	Contact between granodiorite and biotitic metasediments on Pitt 4
					claim; mostly biotite hornfels, locally bleached (siliceous) and well
					banded as defined by medium–grained biotite with minor pyrite.
51655	talus	grab	0.3m	Map 1	In creek gully; talus of very rusty banded quartzite(?); 5–10% finely
					banded pyrite generally throughout.
51656	rock	grab	0.5m	Map 1	Rusty coloured, gritty, biotite–rich metasediment. Trace pyrite.
51657	rock	grab	0.5m	Map 1	Gritty, mafic biotite–pyrite schist (rusty patches).
51658	rock	grab	0.5m	Map 1	About 5m from the contact, sample of granodiorite with a few garnets.
51659	rock	grab	0.5m	Map 1	Rusty, gritty, mafic metasediment (quartz–biotite schist).
51660	rock	grab	0.5m	Map 1	Taken 10m east of RX51569; biotite granodiorite with fine garnets.
51661	rock	grab	0.5m	Map 1	Quartz–musc schist (no visible sulphides); taken near granite contact.
51662	rock	grab	0.5m	Map 1	Partially mylonitized biotite granite (fine–grained, banded in places).
51663	rock	grab	0.5m	Map 1	Amphibolite; slightly chloritic (trending at 140 degrees/70 degree dip west).
51664	talus	grab	0.4m	Map 1	Bleached quartz–sericite–pyrite–chalcopyrite schist (minor galena);
					between 10–15% sulphides; some dark black sooty pyrite present.

51665	talus	grab	0.4m	Map 1	Siliceous, rusty massive sulphide (biotite schist) float with irregular clots of
					pyrite–chalcopyrite–molybdenite–galena mineralization.
51666	rock	chip	0.5m	Map 1	Quartz–biotite–pyrite schist (attitude 125 degrees/65 degree dip west).
51667	rock	grab	0.3m	Map 1	Coarse–gr muscovite–bio–qtz schist with chlorite as very coarse–grained
					overgrowths. Hosts 1–5% pyrite; strike 120 degrees/70 degree dip west.
51668	rock	grab	0.3m	Map 1	Highly contorted coarse–gr muscovite–chlorite schist carrying 5% pyrite.
51669	rock	grab	0.3m	Map 1	Massive sulphide zone consisting mainly of pyrite, minor chalcopyrite,
					along a granitic(?)/felsic tuff metavolcanic contact. Zone is about 0.2m
					wide and appears to pinch–out laterally over a stike length of 1meter.
51670	rock	grab	0.4m	Map 1	Quartz–biotite–pyrite schist interbedded with felsic metavolcanic tuff(?).
51671	rock	grab	0.4m	Map 1	Pyrite (30–40%) plus quartz–rich massive sulphide. Rusty weathering.
51672	talus	grab	0.4m	Map 1	Pyrite–biotite rich massive sulphides, minor chalcopyrite noted.
51673	rock	grab	0.2m	Map 1	Up to 20% pyrite in a quartz–biotite rich matrix, minor chalcopyrite.
51674	rock	grab	0.2m	Map 1	Quartz–muscovite–pyrite (30%) schist. Trace chalcopyrite and bornite.
51675	rock	grab	0.4m	Map 1	Semi–massive sulphide zone, averaging about 30% pyrite, 70% biotite.
51676	rock	grab	0.4m	Map 1	Same as above; 30–50% pyrite in muscovite–biotite schist.
51677	rock	grab	0.4m	Map 1	Felsic and mafic tuff interbeds, quite siliceous; 15–20% pyrite content;
					foliation at 140 degrees (taken about 70m from rock sample MB–Pitt–11).
51678	rock	grab	0.4m	Map 1	Same as above but pyrite content is between 5 to 10%.
51679	rock	grab	0.4m	Map 1	Taken near sample MB–Pitt–91–11; description same as above.
51680	rock	grab	0.4m	Map 1	Quartz veins in granite, 10–15% pyrite, trace chalcopyrite, bornite,
					galena and covellite (same locality as MB–Pitt–91–12 to 91–14).
121588	rock	grab	0.4m	Map 3	Biotite–quartz schist, dark gray to buff–brown, strongly foliated. Fine to
					medium–grained texture (attitude 132 degrees/vertical dip).
121589	rock	chip	1.5m	Map 5	Quartz–biotite–muscovite schist, medium gray colour, strongly foliated;
					medium–grained texture, less than 1% pyrite.
121590	rock	chip	0.35m	Figure 9	Quartz–pyrite lense(?); 15–20% cpy, bn, po, py as interstitial masses
					and discrete subhedral grains up to 1mm across; trace fine sph; lense
					trends 155 degrees/vertical. Contains rounded qtz clasts up to 3cm wide.
121591	rock	chip	1.5m	Figure 9	Silica–rich sulphide horizon; 3% po, 1% py, 1% cpy and trace galena;
					10cm wide section on east margin contains high–grade sulphides.
121592	rock	chip	1.5m	Figure 9	Silica–sulphide horizon; 3% pyrrhotite, 1% pyrite (locally coarse–gr),
					trace galena and chalcopyrite; erratic distribution of sulphides.
121593	rock	chip	1m	Figure 9	Silica–sulphide horizon; contains 3% po, 1% py and trace chalcopyrite.
121594	rock	chip	1.5m	Figure 9	Quartz–clast silica–sulphide zone with 3% cpy and minor galena and py.
121595	rock	chip	1m	Figure 9	Quartz–sulphide schist with minor sericite and chlorite alteration. Trace
					chalcopyite and up to 1% pyrrhotite mainly along fractures.

121596	rock	chip	0.3m	Figure 9	Quartz–clast silica–sulphide zone; 3% cpy, 1% po, 1% ga and minor py.
121597	rock	grab	0.2m	Figure 9	Quartz–biotite schist, strongly foliated at 150 degrees/85 degree dip
					east; fine–grained biotite throughout siliceous matrix; 1% pyrite as
					thin (1–5mm wide) partings along foliation planes.
121598	rock	chip	1.5m	Map 1	Mafic schist, medium gray to brown colour; strongly foliated at 136
					degrees/61 degree dip east, fine–grained gritty textured schist (unit 4).
121599	rock	grab	0.5m	Map 1	Foliated granite, light gray–white; weakly to moderately foliated at
					125 degrees/vertical dip; fine to medium–grained texture.
121600	rock	grab	0.5m	Map 1	Mafic schist, medium gray–brown, well foliated at 140 deg/vertical dip;
					varies from fine–grained to gritty biotite–rich schist to minor amphibolite;
					trace pyrite and locally graphitic (carbonaceous).
121687	rock	grab	0.5m	Map 2	Biotite–quartz–hornblende gritty schist. Rusty patches from very fine
					grained disseminated pyrite.
121688	rock	grab	0.5m	Map 2	Quartz–muscovite–biotite gritty schist; locally silicified and cut by quartz
					veinlets. Traces of very fine–gr pyrite and chalcopyrite.
121689	rock	grab	0.5m	Map 2	Quartz veins and veinlets within biotite–quartz schist similar to the above
					sample but less quartz; traces of very fine sulphides (mostly pyrite).
121690	rock	grab	0.5m	Map 2	Biotite–quartz schist with narrow quartz veinlets, locally sheared; veins
					subparallel to the foliation. Some gossan staining (traces of fine pyrite).
121691	rock	grab	0.5m	Map 2	Quartz–muscovite–biotite–pyrite schist; more siliceous than the above.
121692	rock	grab	0.5m	Map 2	Intrusive unit; gneissic texture to strongly foliated (near contact with
					metasediments). Quartz–feldspar rich matrix with hornblende–biotite–
					muscovite–rich bands up to 2 cm wide. No trace of mineralization.
121693	rock	grab	0.5m	Map 2	Biotite–quartz grit schist; pseudo gneissic texture as mafic minerals occur
					in bands. Strongly foliated, rusty weathered surface, minor pyrite.
121694	rock	grab	0.5m	Map 2	Recessive weathering biotite–quartz grit schist, strongly foliated, no
					sulphides noted. Gneissic intrusive contact nearby.
121695	rock	grab	0.5m	Map 2	Same description as RX 121693.
121696	rock	grab	0.5m	Map 2	Quartz–biotite grit schist (unit 4). Trace pyrite (similar to RX 121693).
121697	rock	grab	0.5m	Map 5	Very fine–gr quartz–muscovite–bio schist. Recrystallized texture evident;
					attitude at 325 degrees/80 degree dip east. Outcrop is iron–stained on
					weathered surface but light gray on fresh surface; trace to 1% fine
					to medium–grained pyrite as disseminations along foliation planes. Some
					portions of this unit appear to be graphitic.
121698	rock	grab	0.5m	Map 5	Iron–stained quartz vein 5–10 cm wide within quartz–biotite schist
					pinch and swell vein). Vein hosts 1–3% medium to coarse–grained pyrite
					(locally carbonaceous).

IETS TRAVERSE NUMBER			PROJECT: Pitt / Trinity	GEOLOGIST: D. Bohme / C. Bell
N.T.S.: 103H/12			AREA: Pitt Island, B.C.	DATE: August 20 – September 5, 1992

SAMPLE NUMBER	RX ROCK TALUS/ FLOAT	GRAB CHIP CHANNEL	SAMPLE LENGTH WIDTH AREA	PLOTTED ON MAP # OR FIG. #	ROCK SAMPLE DESCRIPTION rock type, lithology, mineralization, etc.
121699	rock	grab	0.5m	Map 5	Mafic, biotite–rich schist. Finely disseminated pyrite (1–3%), some large
					blebs of pyrite (1cm across). Schistosity @ 105 degrees/65 degree dip NE.
121700	rock	grab	0.5m	Map 5	Very fine–grained metasediment; 1% pyrite as blebs and disseminations.
121701	rock	grab	0.5m	Map 5	Same sample description as above.
121702	rock	grab	0.5m	Map 5	Weakly foliated, gneissic qtz monzonite; 20% bio, 30% qtz, 50% feldspar.
121703	rock	grab	0.5m	Map 5	Siliceous metasediment with up to 3% pyrite.
121704	rock	grab	0.5m	Map 5	Schistose, mafic "gritty" metasediment with pyrite blebs; about 1% pyrite
					locally up to 2mm long. Possible chalcopyrite also.
121705	rock	grab	0.5m	Map 5	Siliceous fine–grained, medium to dark grey pyritic metasediment.
121706	rock	grab	0.5m	Map 2	Quartz–biotite schist. No visible sulphides
121707	talus	grab	0.5m	Map 2	Quartz float found in creek; appears to be a quartz–carbonate vein up to
					5cm wide bounded by qtz–bio schist. Between 3–5% disseminated pyrite,
					galena and sphalerite. Sulphides in vein oriented longitudinally to vein.
121708	rock	grab	0.5m	Map 2	Gritty textured quartz–biotite schist with 1–3% disseminated pyrite.
121709	rock	grab	0.5m	Map 2	Same as above except with more siliceous segregations. More pyrite
					(5%) as fine disseminations. Finer grained than RX 121708.
121710	rock	grab	0.5m	Map 1	Massive granite, coarse–grained (20% biotite). No sulphides noted.
121711	rock	grab	0.5m	Figure 9	Medium to coarse–grained white gossanous muscovite schist with
					up to 3% medium–grained disseminated pyrite. Zone about 1.5m wide
					and located adjacent to the semimassive sulphide zone (B Creek Showing)
121712	rock	grab	0.5m	Map 5	Mafic biotite schist, dark gray, strongly foliated; fine–grained with finely
					disseminated pyrrhotite and pyrite (up to 1%).
121713	rock	grab	0.5m	Map 5	Siliceous biotite schist, well foliated; contains between 1–4% fine–grained
					disseminated sulphides aligned with foliation (mostly pyrite, trace galena).
121714	rock	grab	0.5m	Map 5	Silica–sulphide zone; semimassive (15–25%) sulphides, mostly fine–
					grained pyrrhotite, pyrite, galena, and chalcopyrite; very siliceous matrix.
121715	talus	grab	0.2m	Map 5	Several small pieces, 4mm diameter quartz clasts occur in a quartz–
					sulphide schist; sulphides include pyrite, pyrrhotite and galena.
121716	rock	grab	0.2m	Map 5	Just downhill from RX 121715; sulphides in black biotite–pyrite schist;
					traces of chalcopyrite and galena in fine–grained biotite–rich matrix.

121717	rock	grab	0.2m	Figure 9	Sulphide–quartz clast unit, 30–40% sulphides (mostly pyrrhotite with
					chalcopyrite, py and sph). Quartz clasts are rounded (up to 5cm across).
121718	rock	grab	0.2m	Map 5	Light to medium gray, fine–grained, well banded on mm–scale, quartz–
					biotite–muscovite–pyrite schist (gossanous on weathered surface); up to
					2% very fine–grained disseminated pyrite (possible exhalite?).
121719	rock	grab	0.2m	Map 5	Strongly gossanous schistose zone within more competent meta–siltstone
					unit. Zone is about 0.5m wide; mainly sericite/muscovite schist with
					minor chlorite and some coarse aggregates of pyrite as well as fine–
					grained disseminated pyrite–pyrrhotite (possible galena noted)
121720	rock	grab	0.4m	Map 1	Mafic schist, dark gray, well foliated with finely diss'm po and pyrite (up
					to 1% sulphides). Attitude at 135 degrees/65 degree dip to the west.
121721	rock	grab	0.4m	Map 1	Mafic biotite schist, strongly foliated with disseminated pyrrhotite–pyrite.
121722	rock	grab	0.4m	Figure 9	Narrow, 30–45cm wide zone of strongly silicified rock with fine to coarse
					disseminations and semi–massive streaks of po, py, cpy and minor
					galena/sphalerite (5–10% pyrrhotite, 1–5% cpy/pyrite). Unit is magnetic;
					bounded by a banded (foliated) sequence of rocks which consists of
					chlorite–sericite schist with narrow siliceous cherty laminae. Also hosts
					disseminated pyrrhotite, pyrite; trace chalcopyrite/galena mineralization.
121723	rock	chip	1.5m	Figure 9	Moderately to strongly foliated sequence consisting of inter–laminated
					chlorite–sericite schist with thin (<0.5cm) siliceous bands (foliation at
					155 degrees/80 degree dip east). Rock is buff to rusty colour on weathered
					surface and medium gray on fresh surface. Unit hosts very fine
					disseminations of pyrite–pyrrhotite (up to 5%) with trace cpy and galena;
					some of the mineralization occurs along fractures parallel to the foliation.
121724	rock	grab	0.5m	Map 5	Dark gray argillaceous siltstone, slightly graphitic with between 1–3%
					finely disseminated pyrite.
121725	rock	grab	0.5m	Map 5	Sample next to Rx 121705; mafic biotite grit unit with siliceous bands. Up
					to 4% pyrite in patches, possible fine–grained galena; 20 cm wide
					feldspar–quartz dyke noted adjacent to the mineralized zone.
121726	rock	grab	1.5m	Figure 9	Same description as in RX 121723.
121727	rock	grab	0.4m	Map 5	Biotite granodiorite, strong foliation at 150 degrees/78 degree dip northeast
121728	rock	grab	0.4m	Map 5	Siliceous, schistose metasediment. More quartz than normal for this biotite
					rich unit. Finely disseminated pyrite usually along foliation planes.
121729	rock	grab	0.4m	Map 5	Same description as above; slightly less siliceous; about 1% pyrite noted.
121730	rock	grab	0.4m	Map 5	Biotite–quartz schist, dark gray, highly schistose. Graphite present with
					coarse–grained pyrite along schistosity planes (contains 1–3% pyrite and
					is weakly magnetic).

121731	rock	grab	0.4m	Map 5	Biotite–rich schist with 2% pyrite as finely diseminated grains; foliation
					at 135 degrees/80 degree dip northeast (weakly magnetic).
121732	rock	grab	0.4m	Map 5	Silicic metasediment carrying up to 2% disseminated pyrite.
121733	rock	grab	0.4m	Map 5	Quartz–biotite schist with up to 5% disseminated pyrite.
51901	rock	grab	0.4m	Map 5	Gritty, mafic biotite schist, medium gray colour. Schistosity at 173 degrees/
					80 degree dip to the east. Fine–grained pyrite throughout (1–3% pyrite).
51902	rock	grab	0.4m	Map 5	Mafic biotite schist with clots of euhedral medium–gr pyrite; a few
					fracture–controlled quartz segregations.
51903	rock	grab	0.4m	Map 5	Gritty argillaceous mafic schist with between 1–3% disseminated pyrite.
51904	talus	grab	1m	Map 5	Dark grey pelitic schist, highly schistose with up to 5% very fine–grained
					pyrite (usually along schistosity planes).
51905	rock	grab	1m	Map 5	Biotite–quartz schist (carbonaceous) with 1–2% finely disseminated pyrite.
51906	rock	grab	1m	Map 5	Same description as in above sample.
51907	rock	grab	1m	Map 5	Dark–grey, biotite schist/argillite with 1–2% fine–gr disseminated pyrite.
51908	rock	grab	1m	Map 5	Black, slightly carbonaceous, argillite with 1–3% disseminated pyrite.
51909	rock	grab	1m	Map 5	Biotite–quartz schist; strike @ 145 degrees/vertical dip; minor pyrite.
51910	rock	grab	1m	Map 5	Biotite granite, light buff–gray colour, medium–grained; locally schistose.
51911	rock	grab	0.5m	Map 5	Biotite–quartz schist, highly schistose at 152 degrees/85 degree dip east.
					Contains up to 20% very fine–grained pyrite as irregular streaks, some
					kink folding present (adjacent to granodiorite contact).
51912	rock	grab	1m	Map 5	Gritty biotite–quartz schist with up to 3% fine–gr disseminated pyrite.
51913	rock	grab	1m	Map 5	Channel Showing; quartz–rich biotite schist with up to 10% sulphides;
					mainly pyrite/pyrrhotite with sporadic chalcopyrite, galena and possible
					sphalerite. Some complex folding noted (poor exposure in the mud).
51914	rock	grab	1m	Map 5	Quartz–rich biotite schist with between 5–10% sulphides (mainly pyrite).
51915	rock	grab	1m	Map 5	Biotite–quartz schist with 1–3% fine–grained disseminated pyrite. The
					schistosity is at 150 degrees (near–vertical dip).
51916	rock	grab	1m	Map 5	Quartz–rich biotite schist, dark gray colour, with 1% disseminated pyrite.
					Complex small–scale folding noted.
51917	rock	grab	1m	Map 5	Quartz–muscovite gritty schist, light grey to buff–brown; trace pyrite.
					Schistosity at 130 degrees/70 degree dip east, some complex folding.
51918	rock	grab	1m	Map 5	Biotite granodiorite, strongly foliated at 125 degrees/80 degree dip east.
51919	rock	grab	1m	Map 5	Quartz–biotite–muscovite schist with fine–grained pyrite. Schistosity at
					120 degrees/80 degree dip east.
51920	rock	grab	1m	Map 5	Quartz–biotite schist carrying 2–5% fine–grained pyrite and trace galena.
51921	rock	grab	1m	Map 5	Quartz–biotite schist carrying 1–3% fine–grained disseminated pyrite.
51922	rock	grab	1m	Map 5	Biotite granodiorite, strong foliation developed, medium–grained texture.

IETS TRAVERSE NUMBER:			PROJECT: Pitt / Trinity	GEOLOGIST: D. Bohme / C. Bell
N.T.S.: 103H/12			AREA: Pitt Island, B.C.	DATE: October 7–19, 1992
SAMPLE NUMBER	RX ROCK TALUS/ FLOAT	GRAB CHIP CHANNEL	SAMPLE LENGTH WIDTH AREA	PLOTTED ON MAP # OR FIG. #	ROCK SAMPLE DESCRIPTION rock type, lithology, mineralization, etc.
51923	rock	grab	0.5m	Map 5	Quartz–biotite schist (strong schistosity developed). Taken in area of
					complex folding and contains light grey–white sugary quartz bands. Up to
					5% fine–grained disseminated pyrite and possible galena.
51924	rock	chip	0.9m	Map 5	Gray quartz–biotite schist exhibiting tight isoclinal folding. About 5%
					fine–grained pyrite and trace galena.
51925	rock	grab	0.5m	Map 5	Sugary quartz vein mass adjacent to RX 51923.
51926	rock	grab	0.5m	Map 5	Quartz–biotite schist, weakly magnetic, about 3% fine–grained pyrite.
51927	rock	grab	0.5m	Map 5	Quartz–biotite schist, strong schistosity, about 3% fine–grained pyrite.
51928	rock	grab	0.5m	Map 5	Quartz–biotite schist, strong schistosity with about 2% fine–grained
					pyrite. Attitude at 145 degrees/85 degree dip east.
51929	rock	grab	0.5m	Map 5	Quartz–biotite schist, strong schistosity. Medium–grained with 3%
					disseminated pyrite. Attitude at 130 degrees/78 degree dip east.
51930	rock	grab	0.5m	Map 5	Quartz–biotite schist carrying between 3–5% pyrite as fine disseminations
					and as streaks along schistosity planes.
51931	rock	grab	0.5m	Map 5	Argillaceous schist, strong schistosity; fine–gr, dark gray carbonaceous
					material noted, also 5% pyrite as elongate masses along the foliation.
51932	rock	grab	0.5m	Map 5	Quartz–biotite pyrite schist; attitude at 145 degrees/80 degree dip east.
51933	rock	chip	0.5m	Map 5	Milky white quartz vein (0.5m wide) with distinct foliation parallel to
					the predominant fracturing attitude. Some coarse–gr pyrite; vein is hosted
					in a black meta–argillaceous schist. Vein continuous over a 1.5m strike.
51934	rock	grab	0.5m	Map 5	Dark gray/black, slightly graphitic meta–argillaceous schist with 1–3%
					pyrite as coarse clots and patches. Strike 150 degrees/75 degree dip east.
51935	rock	grab	0.3m	Map 5	Similar to the above sample except for distinct greenish mineral (clay
					alteration or very fine–grained chlorite).
51936	rock	grab	0.6m	Map 5	White to greenish–grey quartz–muscovite schist with 1–3% fine–grained
					pyrite. Slightly chloritic, possible sericite also present (similar–looking
					to muscovite schist adjacent to massive sulphide zone at Pyrite Creek).
51937	rock	grab	0.6m	Map 5	Grey, very fine–grained carbonaceous siltstone. Moderately to highly
					siliceous with up to 3% fine–grained disseminated pyrite. Some
					discontinuous discordant fractures evident.

51938	rock	grab	0.5m	Map 5	Light grey to white, very siliceous and distinctly banded quartz–biotite
					schist. Medium gray coloured layers are muscovite–chlorite enriched.
					White bands mostly quartz. Some disseminated pyrite parallel to the
					schistosity. Possible exhalite(?) horizon.
51939	rock	grab	0.5m	Map 5	Gray meta–siltstone, very fine–grained with alternating dark grey and
					thinner whitish laminae (more siliceous). Traces of garnet, minor pyrite.
51940	rock	grab	0.5m	Map 5	Taken near RX 51933; 3cm wide quartz vein hosting medium to coarse–
					grained sphalerite and trace chalcopyrite/pyrite mineralization adjacent
					to and within the vein. Appears to be parallel to the predominant foliation
					@ 150 degrees/85 degree dip east. Other veinlets in area contain pyrite.
51941	rock	grab	0.5m	Map 5	Similar to RX 51938; 15cm wide quartz vein in a shear zone. Some coarse
					clots of pyrite mineralization (hosted in quartz–biotite schist).
51942	rock	grab	0.5m	Map 5	Sample of coarse–grained, pegmatic intrusive dyke parallel to the regional
					foliation. About 3–5% chloritic muscovite present in specimen.
51943	rock	chip	0.5m	Map 5	Quartz–biotite carbonaceous schist. Distinctly banded/laminated lithology.
					Banding produced by weathering of less resistant, micaceous layers
					instead of the more siliceous laminae. Hosts 1–3% pyrite as sporadic
					patches and in veinlets. Outcrop approximately 60% siliceous bands.
51944	rock	grab	0.5m	Map 5	Lithology similar to the above sample description but contains less
					micaceous bands (sample taken of very siliceous portion). Minor pyrite.
51945	rock	chip	1m	Map 5	Quartzite, light gray colour with minor amounts of disseminated pyrite.
					This unit hosts about 5% milky white quartz veinlets parallel to the
					foliation. Attitude at 150 degrees/70 degree dip east.
51946	rock	grab	0.5m	Map 5	Collected from same outcrop as above but sample bias towards the quartz
					veinlets which constitute about 5% of the host lithology. Veins are milky
					white to translucent gray colour lie parallel to the foliation. Subtle
					enrichment of pyrite along vein selvages.
51947	rock	grab	0.5m	Map 5	Strongly siliceous and gossanous metasediment. Carries between 2–4%
					disseminated pyrite.
51948	rock	grab	0.5m	Map 5	Strongly foliated, micaceous talus of granite with sporadic patches of fine–
					grained chlorite and some disseminated pyrite. Medium–grained texture.
51949	talus	grab	0.5m	Map 5	Milky white quartz vein with patches of dark grey graphitic material. Quartz
					of coarse–grained pyrite associated with the black graphitic material.
51950	rock	grab	0.5m	Map 5	Light gray coloured, leucocratic granite with 2–4% biotite. Strongly
					foliated as defined by biotite flakes, trace muscovite and garnet.
51951	rock	grab	0.5m	Map 5	Dark gray/black gritty biotite–quartz–feldspar gneiss (sample mostly of
					biotite–quartz rich layer). Zone is transitional to an intrusive sill.

51952	rock	grab	0.5m	Map 5	Muscovite–quartz–biotite schist with 5% garnet. Gossanous outcrop.
					Hosts 1–3% disseminated and fracture–controlled pyrite mineralization.
51953	rock	grab	0.5m	Map 5	Mostly quartz–vein material associated with a biotite–chlorite grano–
					diorite dyke parllel to the foliation. Host rock is a siliceous biotite–
					muscovite schist; locally banded.
51954	rock	grab	0.5m	Map 5	Weakly banded, light grey quartzite with up to 15% very fine–grained pyrite
					as irregular streaks. Foliation at 130 degrees/vertical dip.
51955	rock	grab	0.5m	Map 5	Quartz vein or pod; one of two boudins parallel to foliation. Milky white
					quartz with rusty patches (some coarse–grained pyrite). Host rock is
					a rusty muscovite–biotite schist (?altered felsic volcanic).
51956	rock	grab	0.5m	Map 5	Sample taken near contact with the muscovite schist; mostly dark gray
					biotite schist with possible kyanite and sillimanite, minor garnet. About
					2% pyrite as irregular clots.
51957	rock	grab	0.5m	Map 5	Adjacent to above sample; graphitic argillite with sporadic blebs of pyrite.
51958	talus	grab	0.5m	Map 5	Siliceous metasediment with muscovite with light gray quartz stringers
					carrying 1–3% pyrite. Some cross–cutting quartz stringers.
51959	rock	grab	0.5m	Map 5	Fine–grained meta–argillite/siltstone with 1–2% pyrite/pyrrhotite.
					Chloritic muscovite gives the unit a distinct parting parallel to foliation.
51960	rock	grab	0.5m	Map 5	Quartz veinlet hosted by slightly graphitic argillite. About 3cm wide, rusty
					in places, and runs parallel to the foliation.
51961	rock	grab	0.5m	Map 5	Dark gray, fine–grained, moderately siliceous meta–siltstone; locally
					graphitic. Unit hosts quartz veinlets similar to that sampled in RX 51960.
					Pyrite mostly along veinlet selvages.
51962	rock	grab	1m	Map 5	Dark gray, pyritiferous meta–siltstone with distinct whitish patches of
					kyanite(?); lath–like radiating needles present.
51963	rock	grab	1m	Map 5	Quartz vein (3cm wide) parallel to the foliation hosted in carbonaceous
					biotite–rich schist with 1–3% disseminated pyrite.
51964	rock	grab	0.8m	Map 5	Black meta–argillite with 1–3% disseminated pyrite. Some quartz veinlets
					cross–cutting this unit.
51965	rock	grab	0.8m	Map 5	Very siliceous, banded metasediment with 1–5% pyrite (exhalite?).
51966	talus	grab	0.5m	Map 5	Hornfelsed pegmatitic intrusive with 5% pyrite as coarse clots; feldspars
					partially altered to sericite. Possible brownish sphalerite present.
51967	rock	grab	0.8m	Map 5	Graphitic meta–argillite with 1–5% pyrite as disseminations and coarse
					streaks parallel to the foliation. Dark grey/black colour.
51968	rock	grab	0.5m	Map 5	Black, gritty meta–argillite. Up to 5% pyrite smeared along foliation
					planes. Foliation at 150 degrees/60 degree dip east.
51969	rock	grab	0.5m	Map 5	Rusty, schistose quartz–sericite schist. Some fine–grained pyrite.

IETS TRAVERSE NUMBER:
N.T.S.: 103H/12

PROJECT: Pitt / Trinity
AREA: Pitt Island, B.C.

GEOLOGIST: D. Bohme
DATE: October 7–19, 1992

SAMPLE NUMBER	RX ROCK TALUS/ FLOAT	GRAB CHIP CHANNEL	SAMPLE LENGTH WIDTH AREA	PLOTTED ON MAP # OR FIG. #	ROCK SAMPLE DESCRIPTION rock type, lithology, mineralization, etc.
51970	rock	grab	3m	Map 5	Siliceous, fine–grained, biotite schist; attitude 145 degrees/70 degree dip
					east. About 1–3% pyrite is present, locally very schistose (shear?).
51971	rock	chip	1m	Map 5	Siliceous biotite granite with some fine–grained garnets. Weakly magnetic.
51972	rock	chip	1m	Map 5	Small outcrop of an altered intrusive. Very siliceous with sericite alteration
					and muscovite. Fine biotite associated with disseminated pyrite.
51973	rock	chip	1m	Map 5	Siliceous, fine–gr biotite schist with minor amounts of finely disseminated
					pyrite. Siliceous bands are more resistant to weathering.
51974	rock	chip	1m	Map 5	Sample taken of 10–25cm wide quartz–feldspar dyke hosted in biotite–
					quartz schist. Some coarse–grained pyrite present. The dyke is parallel to
					the foliation at 140 degrees/80 degree dip east; several stretched granitic
					boudins are present (forming boundinage).
51975	rock	chip	1m	Map 5	Well foliated, quartz–biotite schist with some finely disseminated pyrite.
					Foliation at 140 degrees/75 degree dip east.
51976	rock	chip	1m	Map 5	Siliceous quartz–biotite schist with 1% pyrite usually along foliation
					planes. Some medium–grained muscovite also present.
51977	rock	chip	1m	Map 5	Sample of a chlorite–muscovite schist. Foliation at 165 degrees/65 degree
					dip to the east.
51978	rock	chip	0.5m	Map 5	Quartz–biotite schist carrying up to 5% pyrite as coarse–grained blebs
					along foliation planes. Foliation at 145 degrees/60 degree dip to the east.

INCO EXPLORATION AND TECHNICAL SERVICES INC.

IETS TRAVERSE NUMBER
N.T.S. : 103H/12

PROJECT: PITT / TRINITY
AREA: Pitt Island, B.C.

GEOLOGIST(S): M. Slauenwhite
DATE: July 13, 1992

SAMPLE NUMBER	SAMPLE TYPE: RX Rock, Talus	SAMPLE TYPE: Grab, Chip, Channel	SAMPLE LENGTH, WIDTH, AREA	PLOTTED ON: MAP # OR FIG. #	SAMPLE DESCRIPTION: Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	RESULTS (ppm): Cu	Pb	Zn	Ag	Mo	Ba
Rx 51189	thin section			Map 1	Thin section RX 51189 corresponds to sample RX 51590. Buff white, micaceous, fine-to medium-gr. felsic ash(?) schistose tuff. In sharp contact with gray fine-grained biotite-feldspar schist with sporadic medium-grained euhedral feldspar laths; possible pyroclastic component. Carries up to 2% fine-grained disseminated pyrite.	135	124	168	1.0	27	449
Rx 51190	thin section			Map 1	Thin section RX 51190 corresponds to sample RX 51591. White, strongly foliated, micaceous quartz-feldspar felsic ash tuff(?). Similar to felsic component in RX 51189.	28	199	114	1.2	23	287
RX 51191	thin section			Map 1	Thin section RX 51191 corresponds to sample RX 51590. Light gray, biotite quartzite gneiss. Thin layers and pods of quartz up to 0.5 cm across. Flattened, disseminated pyrite grains generally throughout biotite-rich matrix. Similar to biotite-rich "mafic" unit noted in RX 51189.	135	124	168	1.0	27	449
RX 51192	thin section			Figure 8	Thin section RX 51192 corresponds to sample RX 51581. Pyrite-rich, quartz-muscovite schist. Slightly banded, fine-gr. biotite usually with granular pyrite. Up to 5% disseminated pyrite. Some more competent quartzite bands.	1706	4583	320	19.8	31	4547
RX 51193	thin section			Figure 8	Thin section RX 51193 corresponds to sample RX 51579. From South Pyrite Creek Zone, medium-to coarse-grained chloritic biotite-quartz schist. Chlorite overgrowths appear to be replacing biotite. Some euhedral pyrite noted.	186	37	207	0.2	4	684
RX 51194	thin section			Map 1	Thin section RX 51194 corresponds to sample RX 51669. From Talus Showing, 20-30% semi-massive sulphides (almost entirely pyrite) in a quartz-biotite-muscovite schist. Faint banding evident in the sulphides. A few white quartz clasts up to 0.5 cm long.	3492	209	1049	3.6	233	1729

INCO EXPLORATION AND TECHNICAL SERVICES INC.

IETS TRAVERSE NUMBER

N.T.S. : 103H/12

PROJECT: PITT / TRINITY

AREA: Pitt Island, B.C.

GEOLOGIST(S): C. Bell, D. Rawlek

DATE: September/October, 1992

SAMPLE NUMBER	SAMPLE TYPE RX Rock, Talus	SAMPLE TYPE SX Stream, Silt, Soil	SAMPLE LENGTH, WIDTH, AREA	PLOTTED ON: MAP # OR FIG. #	SAMPLE DESCRIPTION Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	RESULTS (ppm) Cu	Pb	Zn	Ag	Mo	Ba
SX138803		Moss		Map 5	Elevation 280m; dry creek gully just over from sample	11	4	42	0.1	13	56
		Mat			SX 138804 on the B Zone grid (Channel Creek).						
SX138804		Moss		Map 5	Elevation 285m; silty moss–mat sample obtained in	11	4	45	0.2	6	56
		Mat			creek gully just north of Line 213 on B Zone grid.						
SX138805		Moss		Map 5	Elevation 280m; just downstream from B Creek Showing;	42	32	119	0.6	7	106
		Mat			silty moss–mat sample in steeply incised creek gully.						
SX138806		Moss		Map 3	Elevation 575m; small creek gully draining off the ridge.	21	4	34	0.1	1	56
		Mat			Good silty moss–mat sample obtained.						
SX138807		Moss		Map 2	Elevation 130m, northwestly trending dry creek gully on	36	2	77	0.1	4	255
		Mat			the Gren 8 claim. Good moss–mat sample obtained.						
SX138808		Moss		Map 5	Elevation 250m; about 200m down from SX 138804 on	10	9	36	0.2	6	52
		Mat			the same stream gully (Channel Creek).						
SX138813		Moss		Map 5	Elevation 125m; stream draining the B Creek Showing.	12	16	51	0.2	4	65
		Mat			Mostly intrusive talus in the creek bed; nearby exposures						
					granodiorite.						
SX138814		Moss		Map 5	Elevation 60m; taken from creek draining the eastern	1	4	16	0.1	1	30
		Mat			edge of the BSL 2 claim. Almost entirely intrusive rocks						
					in the creek bed.						
SX138815		Moss		Map 5	Elevation 80m; taken just upstream from SX 138814.	1	2	16	0.1	1	45
		Mat			Description same as above sample.						
SX134927		Moss		Map 5	Elevation 370m; on B Zone grid L218+80E, good moss	62	12	101	1.0	2	1008
		Mat			mat sample with lots of sandy silt material.						

APPENDIX III

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Inco Expl. & Tech. Services File # 92-1002

2690 - 666 Burrard St., Vancouver BC V6C 2X8

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 %	Al %	Na %	K %	W ppm	Zr ppm	Sn ppm	Y ppm	Nb ppm	Be ppm	Sc ppm	Au* ppb
RX 049890	14	458	84	165	1.3	6	20	281	7.56	4	5	ND	3	49	.9	3	2	32	.24	.041	7	6	.98	50	.22	6.81	.34	2.67	2	8	1	5	1	.7	9.3	14
RX 049891	1	38	6	76	.9	13	21	764	6.56	4	5	ND	2	109	.2	2	2	170	1.90	.089	11	15	3.51	280	.50	7.17	.72	1.07	2	1	1	14	1	1.0	21.6	2
STANDARD HFC/AU-R	20	60	40	137	6.9	96	47	1217	4.52	38	17	6	37	58	20.6	15	19	81	.51	.116	38	60	1.07	224	.08	2.07	.09	.15	11	5	17	7	2	.2	5.7	470

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 10ML HCLO4-HNO3-HCL-HF AT 200 DEG. C TO FUMING AND IS DILUTED TO 10 ML WITH DILUTED AQUA REGIA. THIS LEACH IS PARTIAL FOR MAGNETITE, CHROMITE, BARITE, OXIDES OF AL, ZR & MN AND MASSIVE SULFIDE SAMPLES. AU DETECTION LIMIT BY ICP IS 3 PPM.
AS, CR, SB SUBJECT TO THE LOST OF VOLATILIZATION DURING HCLO4 FUMING.
- SAMPLE TYPE: ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE. Samples beginning 'RE' are duplicate samples.

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

WHOLE ROCK ICP ASSAY

Inco Expl. & Tech. Services File # 92-1002

2690 - 666 Burrard St., Vancouver BC V6C 2X8

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Sr ppm	La ppm	Zr ppm	Y ppm	Nb ppm	LOI %	SUM %
RX 049890	63.57	13.16	10.23	1.61	.38	.43	3.52	.41	.11	.05	.009	1741	77	4	142	18	5	6.1	99.91
RX 049891	58.07	15.44	9.98	7.00	2.99	.98	1.33	1.06	.25	.11	.005	452	154	11	106	24	5	2.6	99.94
STANDARD SO-4	68.74	10.34	3.39	.92	1.58	1.37	2.12	.56	.21	.08	.009	828	210	28	299	21	7	10.4	99.95

A .2000 GRAM SAMPLE IS FUSED WITH 1.2 GRAM OF LIBO2 AND IS DISSOLVED IN 100 MLS 5% HNO3.
- SAMPLE TYPE: ROCK Samples beginning 'RE' are duplicate samples.

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Inco Expl. & Tech. Services PROJECT 60522 File # 92-1414 Page 1

2690 - 666 Burrard St., Vancouver BC V6C 2X8 Submitted by: DENNIS BOHME

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 %	Al %	Na %	K %	W ppm	Zr ppm	Sn ppm	Y ppm	Nb ppm	Be ppm	Sc ppm
RX 046873	1	245	11	31	.2	41	15	73	1.44	3	5	ND	1	78	.2	2	2	12	.64	.004	2	2	.04	38	.09	1.48	.53	.01	4	1	1	1	1	1	.6
RX 046874	8	83	7	189	1.8	66	8	456	4.39	3	5	ND	4	182	2.7	4	2	387	2.54	.167	11	121	1.63	82	.22	4.44	.64	.89	4	4	1	22	1	1	12.1
RX 046875	35	367	43	309	.9	22	21	3453	6.83	4	5	ND	4	189	2.8	2	2	276	11.00	.080	8	20	2.05	127	.46	8.79	.51	.13	5	12	6	17	1	1	22.5
RX 046876	22	112	13	692	1.6	75	12	602	4.04	3	5	ND	8	355	14.4	2	2	469	3.98	.194	24	68	1.61	164	.34	7.22	1.37	1.24	6	14	1	26	4	1	12.2
RX 046877	1	193	41	162	.5	9	14	1235	3.87	3	5	ND	9	195	.8	11	2	117	4.05	.079	18	11	1.61	409	.46	9.25	3.90	.86	6	15	1	27	3	1	21.3
RX 046878	3	203	20	19	.4	8	4	154	1.27	3	5	ND	1	60	.2	2	3	4	.23	.008	2	15	.03	144	.02	1.39	.68	.31	4	1	1	6	7	1	.8
RX 046879	12	845	33	165	1.0	24	37	2009	5.73	3	5	ND	3	300	1.1	2	2	182	7.47	.055	7	21	1.91	136	.42	8.78	2.83	.18	2	5	1	16	1	1	24.3
RX 046880	27	276	21	116	.4	15	15	923	3.82	3	5	ND	1	147	.6	2	2	101	3.46	.029	4	69	1.24	157	.23	5.10	1.38	.23	2	4	1	9	1	1	15.3
RX 046881	4	94	14	89	.2	29	44	988	8.23	3	5	ND	2	525	.7	2	2	199	4.16	.103	7	20	2.54	263	.54	7.87	1.55	1.13	2	1	1	24	1	1	27.4
RX 046882	6	322	116	184	.6	14	10	222	2.54	3	5	ND	8	183	1.5	2	2	23	1.38	.043	16	8	.34	163	.20	7.68	3.42	2.75	3	30	1	8	1	1	6.5
RX 046883	10	667	9331	73439	47.4	11	6	534	14.17	5	5	ND	3	49	293.0	56	5	25	2.42	.030	2	10	.73	70	.13	4.75	.40	.51	2	27	1	12	1	5	8.4
RX 046884	2	16	151	674	.2	5	2	58	15.62	3	5	ND	3	21	2.8	2	5	8	.04	.005	5	28	.23	609	.12	4.94	.20	1.89	2	19	2	3	1	4	6.5
RX 051501	11	106	29	580	1.4	95	11	366	2.77	3	5	ND	5	210	8.0	2	2	486	1.69	.122	16	116	.92	123	.11	5.19	1.38	1.04	2	23	1	17	1	1	13.8
RX 051502	21	287	35	1833	4.0	140	46	1471	5.90	3	5	ND	10	303	25.6	2	7	838	4.66	.230	36	37	3.35	108	.56	6.37	.55	1.83	5	9	1	33	10	3	24.7
RX 051503	11	69	43	377	1.6	52	14	1022	2.71	6	7	ND	8	220	2.4	5	2	186	3.11	.052	16	42	.83	205	.28	5.26	1.32	.45	7	4	1	23	2	1	16.2
RX 051504	1	59	16	124	.7	68	61	1669	9.32	3	5	ND	4	391	1.3	2	2	279	8.35	.079	8	44	3.71	114	.82	8.95	1.65	.37	2	6	3	24	1	1	30.2
RX 051505	4	323	17	72	.2	29	52	418	7.00	3	5	ND	1	261	.2	2	3	191	2.48	.077	3	17	2.16	214	.36	8.93	4.15	1.20	2	1	1	5	1	1	26.6
RX 051506	7	83	35	41	.3	23	47	232	5.79	3	5	ND	1	353	.2	2	2	105	2.53	.056	2	17	.45	222	.33	9.10	5.12	.35	2	1	1	8	1	1	17.4
RX 051507	6	4047	10952	1548	58.6	59	19	2252	7.06	60	5	ND	4	326	17.7	350	70	303	10.93	.054	6	34	4.23	490	.51	7.94	.27	.15	4	5	1	16	1	1	39.0
RX 051508	1	156	286	147	1.6	3	12	1115	5.39	5	5	ND	7	239	.6	2	2	133	5.16	.101	19	2	2.13	157	.61	8.81	3.59	.13	2	8	1	30	2	1	21.3
RX 051509	5	156	343	178	.5	5	2	578	2.40	3	5	ND	13	153	.2	2	2	12	1.62	.016	46	25	.25	1055	.20	7.48	4.85	.46	2	48	2	9	22	4	8.6
RX 051510	1893	320	39	28	1.4	3	13	134	1.30	3	5	ND	1	45	.2	5	2	10	.50	.009	4	1	.10	101	.07	1.28	.59	.05	4	3	1	2	2	1	.6
RX 051511	40	1003	1141	1321	3.7	9	13	860	4.44	9	5	ND	3	269	7.1	8	2	187	3.20	.058	7	11	2.31	339	.38	8.80	2.05	1.88	2	7	1	6	1	1	18.6
RX 051512	17	3263	1138	1664	10.0	27	14	508	4.26	15	5	ND	2	168	12.6	24	8	256	2.18	.059	4	33	1.64	290	.38	8.72	1.57	2.56	11	9	1	5	1	1	23.7
RX 051513	41	381	137	281	1.2	11	20	1360	6.19	3	5	ND	1	461	.2	2	2	231	5.04	.054	7	21	2.04	1374	.46	8.63	2.57	.63	2	6	1	14	2	1	23.3
RE RX 051509	8	164	336	181	.9	4	2	561	2.45	5	5	ND	14	155	.4	3	2	13	1.59	.016	45	25	.24	1165	.20	7.84	4.95	.47	2	51	1	9	22	4	9.1
RX 051514	35	489	443	273	3.5	45	34	1538	8.24	4	5	ND	2	274	1.5	2	2	257	4.99	.068	7	22	2.88	2714	.64	8.46	1.68	1.22	2	4	1	20	1	1	29.4
RX 051515	36	1433	11674	65721	34.5	19	4	742	3.32	10	5	ND	1	106	469.1	35	44	73	1.47	.064	2	10	.56	144	.14	7.39	1.92	2.29	2	22	1	7	1	1	6.2
RX 051516	7	3898	1198	3199	10.0	15	13	653	5.89	3	5	ND	3	134	20.6	5	9	117	2.11	.089	6	16	1.92	103	.33	7.30	1.08	2.14	3	24	1	13	1	1	17.3
RX 051517	167	46849	9543	76252	104.6	30	21	747	15.81	5	5	ND	1	18	574.7	39	64	94	1.08	.086	2	24	.75	73	.18	2.96	.44	.86	2	9	4	13	1	2	7.9
RX 051518	152	40765	11243	61106	100.0	33	43	713	19.97	16	5	ND	1	11	464.6	31	44	65	.95	.084	2	12	.65	68	.18	2.06	.23	.65	22	9	5	12	1	1	6.1
RX 051519	28	14090	3320	7524	36.5	13	4	484	7.47	9	5	ND	4	126	53.9	24	63	90	1.31	.062	5	14	1.87	65	.30	6.73	1.34	1.96	8	13	1	5	2	1	13.6
RX 051520	3	1313	747	923	2.5	4	2	285	3.10	3	5	ND	5	225	5.1	2	4	34	1.44	.037	14	8	.70	201	.22	7.68	1.96	2.38	5	13	1	5	4	1	8.4
RX 051521	18	541	624	870	3.7	15	11	649	6.74	6	9	ND	8	166	4.6	12	2	69	1.76	.073	16	34	1.48	136	.35	7.67	1.59	2.28	6	13	1	10	2	1	14.9
RX 051522	4	1269	966	1339	5.2	1	2	430	6.80	10	6	ND	8	61	8.5	3	2	33	.57	.063	17	4	.82	427	.31	7.29	.59	3.01	2	23	1	8	5	1	11.9
RX 051523	4	310	873	155	1.2	3	1	390	3.47	4	5	ND	6	55	.2	2	3	29	.55	.043	19	5	.68	2276	.28	6.92	.56	2.80	2	17	1	8	6	1	10.8
RX 051524	6	495	535	280	2.6	10	1	1166	6.85	4	5	ND	9	151	.2	3	7	113	1.21	.062	22	10	1.40	1608	.65	6.96	1.52	1.80	2	22	1	12	5	1	18.4
STANDARD HFC	22	61	42	135	7.4	93	46	1175	4.38	38	17	7	37	55	21.3	16	21	78	.52	.117	39	60	.95	240	.08	1.92	.09	.17	11	4	16	7	1	1	5.8

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 10ML HCLO4-HNO3-HCL-HF AT 200 DEG. C TO FUMING AND IS DILUTED TO 10 ML WITH DILUTED AQUA REGIA. THIS LEACH IS PARTIAL FOR MAGNETITE, CHROMITE, BARITE, OXIDES OF AL, ZR & MN AND MASSIVE SULFIDE SAMPLES. AU DETECTION LIMIT BY ICP IS 3 PPM.
AS, CR, SB SUBJECT TO THE LOST OF VOLATILIZATION DURING HCLO4 FUMING.
- SAMPLE TYPE: ROCK Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: JUN 11 1992 **DATE REPORT MAILED:** June 19/92 **SIGNED BY:** .....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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 %	Al %	Na %	K %	W ppm	Zr ppm	Sn ppm	Y ppm	Nb ppm	Be ppm	Sc ppm
RX 051525	6	303	236	188	.3	5	1	417	3.79	4	5	ND	6	164	.2	2	3	57	1.38	.042	17	45	.92	2828	.28	7.84	2.46	1.73	2	26	1	4	3	1	8.8
RX 051526	96	12757	3159	44993	63.6	30	31	558	14.35	4	24	14	2	33	347.7	29	39	117	1.10	.069	2	17	.76	74	.20	5.17	.93	1.49	5	21	2	12	1	6	8.3
RX 051527	10	854	1142	1114	4.7	13	3	558	9.69	4	5	ND	3	127	5.4	4	2	126	1.06	.068	8	15	2.41	2583	.30	6.82	1.18	1.19	2	7	1	4	1	1	13.2
RE RX 051526	99	12855	3264	45478	50.8	31	33	563	14.90	4	15	3	1	33	350.7	25	40	118	1.11	.066	2	12	.78	75	.20	5.24	.95	1.51	2	21	4	12	1	6	8.5

Sample type: ROCK. Samples beginning 'RE' are duplicate samples.

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

WHOLE ROCK ICP ANALYSIS

Inco Expl. & Tech. Services PROJECT 60522 File # 92-1414 Page 1

2690 - 666 Burrard St., Vancouver BC V6C 2X8 Submitted by: DENNIS BOHME

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Sr ppm	La ppm	Zr ppm	Y ppm	Nb ppm	LOI %	SUM %
RX 046873	92.56	2.66	1.96	.08	.88	.61	.15	.12	.01	.01	.002	13	76	11	15	5	9	.9	99.96
RX 046874	72.66	7.36	5.48	2.39	3.32	.71	1.11	.31	.35	.05	.014	3465	218	8	47	15	5	5.5	99.90
RX 046875	49.74	17.40	8.86	3.20	16.24	.59	.19	.71	.17	.40	.002	140	215	4	28	14	5	2.3	99.88
RX 046876	66.15	12.74	5.05	2.30	5.25	1.56	1.50	.52	.41	.07	.009	5078	429	27	91	24	5	3.3	99.83
RX 046877	61.76	17.37	4.96	2.25	5.33	4.68	.90	.64	.16	.14	.002	425	213	16	160	22	8	1.6	99.93
RX 046878	93.41	2.40	1.65	.04	.28	.77	.44	.02	.02	.01	.002	106	58	6	10	5	5	.9	99.97
RX 046879	54.57	16.95	7.01	3.04	10.32	3.49	.34	.62	.10	.23	.002	135	339	10	56	16	5	3.1	99.88
RX 046880	74.47	8.93	5.14	1.96	4.85	1.70	.39	.34	.07	.11	.006	145	155	6	31	7	5	1.9	99.93
RX 046881	52.88	15.69	10.79	3.85	5.87	1.99	1.58	1.06	.22	.12	.002	334	587	12	76	27	5	5.7	99.95
RX 046882	69.41	14.27	3.37	.54	1.88	4.20	3.24	.36	.08	.03	.002	1131	196	21	136	25	16	2.3	99.94
RX 046883	36.25	9.92	21.83	1.31	4.01	.52	.80	.34	.08	.07	.002	22110	468	14	111	20	5	14.2	93.20
RX 046884	53.19	10.03	19.90	.39	.06	.26	2.63	.27	.01	.01	.002	1577	31	11	107	19	5	12.9	99.94
RX 051501	76.73	9.14	3.54	1.46	2.30	1.61	1.37	.35	.26	.04	.014	2593	231	20	75	23	5	2.5	99.82
RX 051502	54.81	12.58	8.04	5.41	6.82	.69	2.42	.93	.53	.18	.003	3763	413	40	115	33	5	6.4	99.56
RX 051503	76.53	9.23	3.54	1.26	4.32	1.57	.58	.40	.11	.12	.005	1643	239	16	63	20	5	1.9	99.91
RX 051504	47.44	18.05	11.37	6.06	11.90	2.07	.46	1.31	.15	.19	.007	110	443	16	77	24	5	.8	99.93
RX 051505	53.33	18.51	9.36	3.62	3.52	5.26	1.52	.87	.16	.05	.003	285	304	7	49	17	5	3.6	99.93
RX 051506	57.06	18.51	8.12	.71	3.74	6.68	.42	.84	.12	.03	.002	222	411	8	50	13	5	3.6	99.96
RX 051507	50.19	14.88	8.43	6.03	14.37	.27	.16	.77	.10	.24	.003	1227	331	4	29	13	5	2.9	98.63
RX 051508	58.31	17.49	6.95	2.97	6.97	4.59	.23	.87	.21	.13	.002	162	264	18	110	30	8	1.1	99.92
RX 051509	71.53	14.59	3.17	.36	2.07	5.86	.60	.25	.02	.07	.002	1090	168	43	386	37	24	1.1	99.91
RX 051510	92.86	2.43	1.92	.17	.73	.69	.05	.09	.03	.02	.002	59	45	4	16	5	5	1.0	99.96
RX 051511	58.40	17.62	5.93	3.48	4.51	2.46	2.41	.57	.12	.10	.002	8864	348	15	65	13	10	2.4	99.59
RX 051512	56.69	18.36	5.78	2.67	3.21	1.89	3.05	.72	.11	.06	.004	16303	288	9	53	21	5	4.0	99.39
RX 051513	55.84	17.75	8.31	3.27	7.45	3.23	.73	.72	.12	.17	.003	1570	522	10	61	16	5	1.9	99.88
RE RX 051509	71.51	14.60	3.18	.36	2.07	5.91	.55	.26	.02	.07	.002	1082	167	45	376	37	24	1.1	99.92
RX 051514	50.32	17.22	10.95	4.83	7.40	2.12	1.59	1.00	.14	.18	.002	4779	314	4	54	18	5	3.2	99.84
RX 051515	54.42	13.70	4.52	.90	2.11	2.20	2.63	.27	.15	.09	.002	33728	494	12	66	17	5	4.5	91.34
RX 051516	58.36	14.53	7.77	3.04	3.05	1.24	2.61	.78	.18	.08	.002	10431	245	12	136	25	5	5.7	99.19
RX 051517	26.65	6.21	25.28	1.33	1.80	.57	1.27	.30	.12	.10	.004	53524	447	4	27	12	5	14.5	87.33
RX 051518	19.83	4.62	35.18	1.21	1.63	.30	.92	.33	.13	.10	.002	39654	334	8	83	10	5	18.1	89.17
RX 051519	57.82	13.41	10.01	2.92	1.88	1.62	2.51	.56	.09	.06	.002	5749	204	7	108	18	5	6.0	97.92
RX 051520	70.09	14.40	3.91	1.02	1.94	2.09	2.60	.32	.07	.03	.002	3194	253	8	103	21	5	2.6	99.69
RX 051521	60.27	15.01	8.99	2.29	2.48	1.91	2.76	.79	.15	.08	.006	3424	198	7	157	21	5	4.4	99.78
RX 051522	62.87	14.19	9.26	1.36	.79	.69	3.78	.47	.12	.05	.002	2953	62	5	150	18	5	5.5	99.62
RX 051523	70.12	13.16	4.83	1.15	.78	.65	3.58	.44	.08	.05	.002	2156	58	10	144	18	5	4.6	99.84
RX 051524	60.79	13.43	9.63	2.33	1.75	1.86	2.31	1.04	.12	.15	.002	1680	161	6	147	18	5	6.1	99.85
STANDARD SO-4	69.02	10.23	3.38	.96	1.55	1.28	2.05	.56	.20	.08	.007	819	196	32	321	24	12	10.4	99.95

.200 GRAM SAMPLES ARE FUSED WITH 1.2 GRAM OF LIBO2 AND ARE DISSOLVED IN 100 MLS 5% HNO3.
- SAMPLE TYPE: ROCK Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: JUN 11 1992 DATE REPORT MAILED: June 19/92 SIGNED BY.....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Sr ppm	La ppm	Zr ppm	Y ppm	Nb ppm	LOI %	SUM %
RX 051525	68.19	14.33	4.92	1.43	1.86	2.64	1.83	.41	.06	.05	.005	2549	181	6	123	14	5	3.7	99.92
RX 051526	35.83	9.47	19.95	1.31	1.68	1.08	2.05	.35	.13	.07	.004	52738	481	5	59	13	5	12.3	93.30
RX 051527	51.43	13.76	13.25	4.12	1.49	1.37	1.53	.70	.15	.07	.002	3116	139	13	101	18	10	11.2	99.65
RE RX 051526	35.86	9.55	20.01	1.32	1.68	1.08	1.92	.35	.15	.07	.003	54988	486	4	63	15	5	12.4	93.85

Sample type: ROCK. Samples beginning 'RE' are duplicate samples.

Activation Laboratories Ltd. Work Order: 4091 Report: 4081

Sample description	AU PPB	AG PPM	AS PPM	BA PPM	BR PPM	CA %	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPM	IR PPB	MO PPM	NA PPM	NI PPM	RB PPM	SB PPM	SC PPM	SE PPM	SN %
RX 046873	7	<5	<2	<100	<1	1	12	<10	<2	1.61	<0.5	<1	<5	<5	5090	50	<30	0.2	0.7	<5	<0.01
RX 046874	<5	<5	6	3100	<1	3	7	110	<2	4.32	2.5	<1	<5	<5	5900	<50	33	1.5	10	12	<0.01
RX 046875	10	<5	5	270	<1	14	16	23	<2	6.94	1.1	<1	<5	21	4990	<50	<30	1.3	25	<5	<0.01
RX 046876	<5	<5	9	4000	<1	5	8	55	<2	3.53	2.3	<1	<5	7	11800	<50	46	2.8	10	34	<0.01
RX 046877	<5	<5	<2	320	<1	<1	7	<10	<2	2.77	1.9	<1	<5	<5	30200	<50	<30	<0.2	14	<5	<0.01
RX 046878	5	<5	2	170	<1	<1	<5	12	<2	1.32	<0.5	<1	<5	INT	6580	<50	<30	0.3	0.6	<5	<0.01
RX 046879	<5	<5	<2	240	<1	8	23	18	<2	4.90	2.0	<1	<5	<5	27000	<50	<30	0.5	24	<5	<0.01
RX 046880	<5	<5	<2	200	<1	2	11	49	<2	3.73	0.8	<1	<5	16	13200	<50	<30	0.3	13	<5	<0.01
RX 046881	<5	<5	3	420	3	4	32	34	<2	7.72	2.1	<1	<5	<5	16100	<50	37	0.3	27	<5	<0.01
RX 046882	<5	<5	<2	690	<1	<1	6	<10	<2	2.01	3.0	<1	<5	<5	28600	<50	46	0.2	5.3	<5	<0.01
RX 046883	100	56	6	18000	<1	4	7	19	<2	15.0	7.0	12	<5	<5	4070	<50	<30	44	8.2	<5	<0.02
RX 046884	15	<5	14	1400	<1	<1	<5	34	<2	18.1	3.9	<1	<5	<5	2130	<50	30	0.6	7.0	<5	<0.01
RX 051501	<5	<5	<2	1900	<1	<1	8	100	<2	2.50	2.9	<1	<5	<5	12300	80	34	1.1	12	13	<0.01
RX 051502	11	<5	7	3300	<1	5	34	35	<2	5.74	4.1	<1	<5	10	5430	<50	49	1.3	25	14	<0.01
RX 051503	<5	<5	4	1300	<1	3	9	33	<2	2.47	2.1	<1	<5	5	11700	<50	<30	0.8	13	<5	<0.01
RX 051504	<5	<5	<2	<100	<1	8	40	53	<2	8.25	2.1	<1	<5	<5	16500	<50	<30	<0.2	35	<5	<0.01
RX 051505	<5	<5	<2	310	<1	<1	33	19	<2	5.78	2.2	<1	<5	<5	38700	<50	<30	<0.2	26	<5	<0.02
RX 051506	<5	<5	<2	170	3	<1	31	<10	<2	4.68	1.5	2	<5	<5	45600	<50	<30	<0.2	16	<5	<0.01
RX 051507	2490	56	730	800	<1	11	14	49	<2	6.30	0.7	<1	<5	<5	2620	<50	<30	250	39	<5	<0.03
RX 051508	37	<5	12	240	<1	6	11	<10	<2	4.96	4.2	<1	<5	<5	39700	<50	<30	3.6	22	<5	<0.02
RX 051509	17	<5	7	700	<1	<1	<5	22	<2	2.00	10	<1	<5	<5	42900	<50	<30	2.0	7.4	<5	<0.01
RX 051510	28	<5	5	100	<1	<1	8	<10	<2	1.30	0.9	<1	<5	1600	5710	<50	<30	1.4	1.7	<5	<0.01
RX 051511	26	<5	28	7000	<1	2	11	11	<2	3.78	3.1	<1	<5	15	19100	<50	65	6.4	17	<5	<0.01
RX 051512	586	11	21	13000	<1	2	12	29	<2	3.68	3.5	<1	<5	13	14600	<50	51	12	24	<5	<0.01
RX 051513	11	<5	4	1300	<1	5	16	22	<2	5.21	2.1	<1	<5	26	24000	<50	<30	1.2	23	<5	<0.01
RX 051514	73	8	<2	3600	<1	5	23	29	<2	6.50	2.5	<1	<5	22	15300	<50	<30	1.5	28	<5	<0.01
RX 051515	48	42	8	27000	<1	<1	6	25	<2	2.87	6.5	23	<5	10	17100	<54	<30	33	6.0	<5	<0.03
RX 051516	81	<5	4	8100	3	3	12	22	<2	4.96	6.0	<1	<5	<5	9730	<50	53	7.5	19	<5	<0.01
RX 051517	1010	100	5	41000	<1	<2	20	51	<2	14.6	1.0	39	<6	130	4210	<82	<30	38	8.0	<5	<0.04
RX 051518	3260	100	14	27000	<1	<2	39	20	<2	19.5	0.6	35	<6	89	2520	<79	<30	31	7.3	16	<0.04
RX 051519	403	33	5	4100	2	1	<5	12	<2	6.12	4.5	4	<5	19	12300	<50	60	17	14	5	<0.01
RX 051520	127	<5	4	2200	<1	<1	<5	<10	<2	2.67	3.1	<1	<5	<5	15200	<50	33	2.3	7.6	<5	<0.01
RX 051521	33	<5	8	2000	4	<1	9	37	<2	6.08	5.2	<1	<5	10	14400	<50	42	3.2	15	<5	<0.01
RX 051522	50	6	9	2400	4	<1	<5	<10	<2	6.57	5.8	<1	<5	5	5410	<50	50	3.1	11	<5	<0.01
RX 051523	36	<5	5	1700	8	1	<5	<10	<2	3.60	6.0	<1	<5	<5	5340	<50	59	3.4	11	<5	<0.01

Activation Laboratories Ltd. Work Order: 4091 Report: 4081

Sample description	AU PPB	AG PPM	AS PPM	BA PPM	BR PPM	CA %	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPM	IR PPB	MO PPM	NA PPM	NI PPM	RB PPM	SB PPM	SC PPM	SE PPM	SN %
RX 051524	35	<5	8	1200	13	2	<5	11	<2	6.71	5.5	<1	<5	<5	14400	<50	38	3.0	17	<5	<0.01
RX 051525	19	<5	6	2000	6	2	<5	33	<2	3.28	4.4	<1	<5	<5	20600	<50	44	0.4	9.2	<5	<0.01
RX 051526	952	47	25	44000	<1	2	25	22	<2	12.1	6.0	26	<5	55	8390	<50	<30	25	9.2	<5	<0.02
RX 051527	69	<5	4	2300	15	<1	<5	14	<2	9.28	3.4	<1	<5	8	11100	<50	52	4.8	17	<5	<0.01

Activation Laboratories Ltd. Work Order: 4091 Report: 4081

Sample description	SR %	TA PPM	TH PPM	U PPM	W PPM	ZN PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM	Mass g
RX 046873	<0.05	<1	<0.5	<0.5	<4	<50	2	3	<5	0.3	<0.2	<0.5	0.10	<0.05	30.00
RX 046874	<0.05	<1	3.9	2.8	<4	172	14	19	6	2.0	0.9	<0.5	1.93	0.34	30.00
RX 046875	<0.05	<1	1.8	2.0	<4	376	9	23	8	2.4	1.0	<0.5	2.02	0.40	30.00
RX 046876	0.10	<1	5.8	5.0	<4	624	29	50	13	3.8	1.4	<0.5	2.40	0.44	30.00
RX 046877	<0.05	<1	3.3	1.8	<4	<50	12	20	8	1.9	0.6	<0.5	1.82	0.34	30.00
RX 046878	<0.05	1	1.5	4.8	<4	<50	2	5	<5	0.3	<0.2	<0.5	0.64	0.13	30.00
RX 046879	<0.05	<1	2.1	1.4	<4	130	9	17	10	1.9	0.7	<0.5	2.08	0.33	30.00
RX 046880	<0.05	<1	1.1	<0.5	<4	103	5	12	6	0.9	0.4	<0.5	0.89	0.17	30.00
RX 046881	<0.05	1	1.4	<0.5	<4	130	11	25	9	3.4	1.4	<0.5	3.16	0.55	30.00
RX 046882	<0.05	<1	4.8	3.2	<4	149	14	26	9	2.0	0.6	0.8	2.47	0.50	30.00
RX 046883	<0.05	<1	5.3	<0.5	<4	86000	19	37	10	2.7	1.8	<0.5	2.20	0.44	30.00
RX 046884	<0.05	<1	5.4	1.9	<4	612	19	42	9	2.6	0.4	<0.5	2.63	0.47	30.00
RX 051501	<0.05	<1	5.0	4.2	<4	520	18	28	9	2.5	0.8	<0.5	2.70	0.51	30.00
RX 051502	<0.05	<1	11	9.9	<4	1870	48	89	37	8.6	3.0	1.3	2.79	0.48	30.00
RX 051503	<0.05	<1	2.9	2.1	<4	377	13	23	7	2.5	0.8	<0.5	2.10	0.42	30.00
RX 051504	<0.05	<1	0.8	<0.5	<4	160	10	22	11	3.1	1.3	<0.5	2.84	0.51	30.00
RX 051505	<0.05	<1	<0.5	<0.5	<4	<50	4	12	<5	1.3	0.8	<0.5	1.60	0.29	30.00
RX 051506	<0.05	<1	<0.5	<0.5	<4	60	3	10	<5	1.0	<0.2	<0.5	1.14	0.22	30.00
RX 051507	<0.05	<1	1.5	<0.7	<4	1500	6	14	7	1.5	1.0	<0.5	1.81	0.40	30.00
RX 051508	<0.05	<1	5.8	<0.5	<4	100	21	42	19	4.5	1.8	<0.5	3.94	0.80	30.00
RX 051509	<0.05	2	16	5.2	<4	200	58	110	38	7.5	1.5	1.5	4.75	0.84	30.00
RX 051510	<0.05	<1	0.9	<0.5	<4	<50	3	5	<5	0.5	<0.2	<0.5	0.35	0.08	30.00
RX 051511	<0.05	<1	1.8	<0.5	<4	1340	9	17	6	1.8	1.0	<0.5	1.70	0.33	30.00
RX 051512	<0.05	<1	1.6	<0.5	<4	1760	13	23	9	2.7	1.0	<0.5	2.35	0.43	30.00
RX 051513	<0.05	<1	2.4	<0.5	<4	170	11	20	12	2.1	0.7	<0.5	1.90	0.31	30.00
RX 051514	<0.05	<1	2.0	<0.5	<4	260	8	12	9	2.3	1.1	0.6	2.32	0.42	30.00
RX 051515	<0.05	2	3.1	13	<4	73400	15	17	9	1.3	1.1	<0.5	2.60	0.39	30.00
RX 051516	<0.05	<1	5.3	3.1	<4	2670	20	40	15	3.6	1.2	1.1	3.37	0.65	30.00
RX 051517	<0.07	<1	2.8	11	<4	84000	13	16	7	1.8	1.1	<0.5	1.98	0.21	30.00
RX 051518	<0.07	<1	3.5	11	<4	69100	14	18	7	1.2	<0.2	<0.5	1.26	0.23	30.00
RX 051519	<0.05	<1	4.9	<0.5	<4	6990	18	38	12	3.0	1.0	0.8	2.79	0.47	30.00
RX 051520	<0.05	1	4.6	2.4	<4	771	15	27	6	2.1	0.8	<0.5	2.41	0.41	30.00
RX 051521	<0.05	1	6.0	3.3	<4	851	21	42	16	3.6	1.6	<0.5	3.19	0.57	30.00
RX 051522	<0.05	<1	7.4	2.1	<4	1420	20	42	13	3.4	1.1	0.6	3.18	0.59	30.00
RX 051523	<0.05	<1	7.1	2.9	6	168	21	46	16	3.5	1.0	<0.5	3.24	0.61	30.00

Activation Laboratories Ltd. Work Order: 4091 Report: 4081

Sample description	SR %	TA PPM	TH PPM	U PPM	W PPM	ZN PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM	Mass g
RX 051524	<0.05	<1	7.3	4.0	<4	294	22	44	18	3.9	1.1	0.7	2.74	0.46	30.00
RX 051525	<0.05	<1	6.7	3.2	<4	193	19	40	12	2.9	1.0	<0.5	2.21	0.39	30.00
RX 051526	<0.05	<1	3.4	19	<4	54100	16	21	9	1.3	0.9	<0.5	1.46	0.33	30.00
RX 051527	<0.05	<1	3.9	2.2	<4	1090	14	31	12	2.9	1.0	<0.5	2.46	0.41	30.00

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Inco Expl. & Tech. Services File # 92-1544

2690 - 666 Burrard St., Vancouver BC V6C 2X8 Submitted by: DENNIS BOHME

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 %	Al %	Na %	K %	W ppm	Zr ppm	Sn ppm	Y ppm	Nb ppm	Be ppm	Sc ppm
RX 046885	85	12488	3319	32759	39.3	15	57	603	18.42	5	5	ND	1	31	234.1	2	40	92	1.22	.059	2	16	1.04	33	.26	3.67	.32	1.06	2	9	6	15	1	7	10.9
RX 046886	18	118	38	718	1.0	50	10	645	3.88	4	5	ND	1	132	10.2	9	10	395	3.26	.051	19	49	1.76	144	.18	3.59	.31	.45	9	15	3	29	1	1	14.8
RX 046887	33	95	7	1861	1.1	113	12	2432	3.43	17	10	ND	1	306	29.9	15	9	705	14.59	.029	12	37	7.50	254	.15	3.81	.08	.01	23	18	2	21	1	1	8.4
RX 046888	17	118	58	1274	.6	30	3	173	1.83	4	5	ND	17	140	16.8	6	2	404	1.48	.057	13	19	.25	1105	.06	4.35	1.53	.72	11	18	2	51	3	4	2.8
RX 046889	6	40	96	98	.2	10	9	291	1.70	4	5	ND	4	252	.3	2	2	37	2.97	.085	17	8	.55	578	.11	8.15	3.31	1.45	2	68	1	15	1	1	10.5
RX 046890	1	140	51	186	.8	14	9	251	3.24	4	5	ND	4	169	1.1	2	7	93	3.04	.070	16	16	.28	414	.40	8.01	2.91	1.77	2	14	1	20	4	1	13.3
RX 046891	8	41	65	38	.7	1	1	127	2.78	4	5	ND	3	111	.2	2	5	30	1.79	.031	13	4	.05	602	.09	6.89	3.58	1.36	2	51	1	5	1	1	5.6
RX 046892	1	61	4	111	.8	43	53	2165	10.77	4	5	ND	1	287	.2	2	2	369	6.02	.123	11	56	3.94	131	1.13	7.68	1.50	.25	2	2	1	39	1	1	47.8
RX 046893	1	2	18	15	.2	1	1	853	.94	4	5	ND	1	94	.2	3	2	10	.52	.023	3	2	.18	716	.07	6.50	2.23	2.12	2	8	1	4	9	3	2.4
RX 046894	1	14	26	66	.2	1	2	952	1.81	4	5	ND	1	75	.2	2	2	17	.44	.020	4	2	.38	1136	.15	6.59	2.27	2.47	3	12	1	3	12	2	3.2
RX 046895	10	93	33	57	.9	15	21	202	5.81	9	5	ND	1	72	.2	2	2	316	.26	.021	3	36	1.17	300	.42	12.21	1.26	4.38	2	1	1	1	1	1	34.6
RX 046896	2	108	18	181	.9	21	32	1809	7.13	4	5	ND	1	215	.2	4	2	201	2.01	.072	6	14	5.16	588	.55	8.71	1.67	2.03	2	1	1	8	1	1	26.4
RX 046897	1	62	14	139	.2	23	48	2344	10.36	6	5	ND	1	336	.2	2	2	341	6.19	.107	12	46	3.64	283	1.06	7.76	1.27	.31	2	2	2	38	1	1	45.6
RX 051528	6	143	6	176	2.3	104	46	447	6.15	4	5	ND	1	159	.2	2	7	437	3.18	.522	37	167	1.49	148	.36	3.67	.94	.16	4	10	2	49	1	1	13.1
RX 051529	1	80	27	68	.6	19	26	962	6.40	15	5	ND	4	439	.5	2	3	198	2.73	.087	16	24	2.04	1092	.59	9.02	2.02	1.42	2	14	2	16	3	1	24.2
RX 051530	15	110	23	50	.7	4	9	141	5.48	4	6	ND	2	51	.2	2	4	21	.24	.046	13	5	.50	101	.25	5.73	.38	2.49	5	9	2	4	2	1	10.1
RX 051531	26	95	50	112	.2	12	57	187	16.58	6	5	ND	1	78	.2	2	2	22	.58	.026	5	12	.72	37	.09	2.35	.51	.39	2	2	1	3	1	5	3.9
RX 051532	2	45	515	111	.2	3	2	289	.77	4	5	ND	1	443	.2	2	3	13	1.55	.011	7	1	.28	1675	.08	6.59	3.17	2.04	2	10	1	2	5	1	1.9
RX 051551	2	31	26	68	.2	6	7	469	2.42	4	5	ND	2	101	.2	3	2	20	1.71	.034	17	5	1.93	471	.13	6.44	1.36	.95	2	2	1	4	1	1	7.8
RE RX 051529	1	71	21	63	1.0	23	27	993	6.71	9	6	ND	6	437	.2	7	2	202	2.84	.089	19	24	2.11	831	.58	9.43	2.00	1.42	5	12	1	17	2	1	26.8
RX 051552	1	79	4	110	.7	31	56	2086	10.37	9	5	ND	1	306	.2	2	2	320	6.85	.101	14	65	4.01	189	1.01	7.66	1.52	.42	2	4	1	34	1	1	45.4
RX 051553	1	41	5	103	.6	58	43	1655	7.56	5	5	ND	1	355	.3	2	2	235	8.38	.057	5	71	3.93	64	.71	9.66	1.82	.33	2	3	1	20	1	1	30.1
RX 051554	1	79	279	125	1.0	11	10	250	1.31	10	11	ND	7	163	.5	11	2	57	3.25	.082	25	13	.29	2244	.15	8.54	3.43	2.04	7	43	1	18	1	1	12.7
RX 051555	5	34	105	55	1.2	9	14	129	3.40	16	5	ND	1	143	.2	2	4	62	1.08	.100	6	5	.33	138	.39	8.80	2.18	3.59	2	48	2	7	1	1	13.4
RX 051556	2	45	127	56	.6	5	3	204	.82	4	5	ND	1	750	.4	2	2	13	2.51	.014	7	1	.17	557	.03	7.85	3.93	1.24	2	6	1	3	1	1	2.2
RX 051557	4	210	84	293	1.6	73	17	198	3.32	10	5	ND	4	154	2.6	6	2	107	2.68	.073	26	19	.17	357	.21	8.28	3.50	2.54	5	62	1	23	1	1	10.8
STANDARD HFC	22	64	44	134	7.4	93	46	1183	4.45	41	21	7	36	55	21.1	17	21	77	.51	.111	39	61	1.00	239	.08	2.01	.09	.17	11	4	17	7	2	1	5.7

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 10ML HCLO4-HNO3-HCL-HF AT 200 DEG. C TO FUMING AND IS DILUTED TO 10 ML WITH DILUTED AQUA REGIA. THIS LEACH IS PARTIAL FOR MAGNETITE, CHROMITE, BARITE, OXIDES OF AL, ZR & MN AND MASSIVE SULFIDE SAMPLES. AU DETECTION LIMIT BY ICP IS 3 PPM.
AS, CR, SB SUBJECT TO THE LOST OF VOLATILIZATION DURING HCLO4 FUMING.
- SAMPLE TYPE: ROCK/CORE Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: JUN 22 1992 **DATE REPORT MAILED:** June 29/92 **SIGNED BY** ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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

WHOLE ROCK ICP ANALYSIS

Inco Expl. & Tech. Services File # 92-1544

2690 - 666 Burrard St., Vancouver BC V6C 2X8 Submitted by: DENNIS BOHME

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	LOI %	SUM %
RX 046885	29.19	7.02	29.02	1.79	1.96	.49	1.46	.50	.62	.08	.002	21163	206	59	16	5	16.3	92.06
RX 046886	76.36	6.34	4.94	2.48	4.74	.43	.43	.37	.12	.08	.010	4775	137	70	28	5	2.6	99.74
RX 046887	53.18	7.53	4.06	12.03	19.77	.13	.05	.24	.07	.28	.002	382	319	54	17	5	2.2	99.60
RX 046888	80.63	8.59	2.71	.26	2.23	2.05	.74	.10	.12	.02	.005	1541	145	66	70	5	1.9	99.65
RX 046889	65.51	17.18	2.63	.76	4.76	4.62	1.75	.64	.14	.04	.002	2686	294	287	24	13	1.4	99.97
RX 046890	64.81	16.27	4.38	.36	4.86	4.02	2.07	.66	.11	.04	.002	1648	191	271	26	11	2.0	99.92
RX 046891	69.98	14.00	3.99	.01	2.81	4.86	1.52	.54	.01	.02	.002	729	131	260	14	10	2.1	100.00
RX 046892	48.57	14.90	15.18	6.17	9.20	2.21	.27	2.00	.32	.27	.007	182	298	117	36	5	.7	99.88
RX 046893	76.84	13.96	1.08	.19	.91	3.02	2.39	.09	.01	.13	.006	809	115	23	9	14	1.2	99.97
RX 046894	73.33	14.39	2.84	.58	.81	3.01	2.85	.21	.02	.17	.002	1276	96	39	12	19	1.5	99.95
RX 046895	53.40	25.81	8.61	2.15	.46	1.84	5.40	1.35	.06	.03	.002	2080	99	196	16	5	.4	99.91
RX 046896	51.45	16.11	9.70	7.85	2.86	2.35	2.44	.85	.21	.21	.002	771	225	58	18	5	5.7	99.90
RX 046897	52.52	14.67	13.17	5.11	8.69	1.83	.44	1.81	.30	.28	.002	409	347	125	36	5	.9	99.85
RX 051528	70.44	6.36	7.39	1.99	4.35	1.22	.14	.77	1.09	.05	.023	172	149	84	41	5	6.0	99.89
RX 051529	55.23	18.94	9.50	2.88	3.99	2.77	1.69	.87	.22	.13	.009	1750	459	128	21	5	3.3	99.90
RX 051530	73.46	9.53	7.23	.66	.31	.48	2.99	.41	.05	.02	.002	1760	60	108	18	6	4.5	99.97
RX 051531	54.22	4.50	25.30	1.21	.89	.71	.46	.19	.05	.03	.002	962	99	40	9	5	12.2	99.94
RX 051532	75.03	14.16	.74	.31	2.28	4.09	2.29	.10	.01	.04	.004	1768	540	66	9	14	.5	99.93
RX 051551	70.98	12.18	3.21	2.57	2.41	1.76	1.13	.32	.05	.06	.002	517	100	108	19	5	5.2	99.99
RE RX 051529	55.72	18.96	9.24	2.86	3.93	2.73	1.68	.85	.22	.12	.002	1767	459	111	22	5	3.2	99.88
RX 051552	51.52	14.66	12.92	5.52	9.29	2.26	.50	1.65	.26	.23	.006	248	321	120	33	5	1.0	99.92
RX 051553	48.40	19.57	9.90	5.46	11.67	2.58	.37	1.14	.15	.19	.008	67	382	149	22	5	.4	99.92
RX 051554	66.73	17.69	1.38	.27	4.65	4.58	2.23	.67	.21	.03	.002	3168	184	282	26	9	.9	99.94
RX 051555	63.56	17.25	4.39	.48	1.59	2.82	4.00	.80	.24	.02	.002	7422	233	263	34	10	3.5	99.98
RX 051556	71.70	16.03	.87	.13	3.59	5.31	1.52	.11	.08	.03	.002	612	858	57	6	5	.4	99.98
RX 051557	65.50	16.36	4.15	.16	3.75	4.64	2.98	.59	.21	.02	.003	1416	167	275	26	5	1.2	99.86
STANDARD SO-4	68.97	10.07	3.27	.89	1.56	1.30	2.02	.54	.20	.08	.008	810	190	319	22	11	10.4	99.52

.200 GRAM SAMPLES ARE FUSED WITH 1.2 GRAM OF LIBO2 AND ARE DISSOLVED IN 100 MLS 5% HNO3.
- SAMPLE TYPE: ROCK/CORE Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: JUN 22 1992 **DATE REPORT MAILED:** June 29/92 **SIGNED BY** .....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Activation Laboratories Ltd. Work Order: 4136 Report: 4112

Sample description	AU PPB	AG PPM	AS PPM	BA PPM	BR PPM	CA %	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPM	IR PPB	MO PPM	NA PPM	NI PPM	RB PPM	SB PPM	SC PPM	SE PPM	SN %
RX 046885	406	44	19	15000	3	2	44	17	<2	19.7	5	18	<5	59	3880	<50	<30	22	12	8	<0.02
RX 046886	11	<5	3	3600	<1	4	7	41	<2	3.39	2.4	<1	<5	8	3080	53	<30	3.6	13	25	<0.01
RX 046887	5	<5	27	260	<1	16	8	31	<2	2.74	1.7	<1	<5	17	813	110	<30	3.8	7.7	22	<0.01
RX 046888	12	<5	4	1100	<1	2	<5	15	<2	1.61	5.2	<1	<5	<5	14600	<50	<30	3.5	2.6	13	<0.01
RX 046889	7	<5	3	1900	<1	3	7	12	<2	1.61	7.4	<1	<5	<5	32800	<50	<30	0.5	11	<5	<0.01
RX 046890	5	<5	5	1200	<1	4	8	24	<2	3.18	7.1	<1	<5	<5	30500	<50	31	0.4	14	<5	<0.01
RX 046891	6	<5	2	470	2	2	<5	<10	<2	2.42	5.8	<1	<5	<5	33600	<50	<30	0.3	6.6	<5	<0.01
RX 046892	<5	<5	3	180	<1	7	35	68	<2	9.43	4	<1	<5	<5	15100	<50	<30	0.5	45	<5	<0.01
RX 046893	<5	<5	<2	610	<1	<1	<5	<10	<2	0.90	1.8	<1	<5	<5	21800	<50	62	<0.2	2.2	<5	<0.01
RX 046894	<5	<5	<2	990	<1	<1	<5	<10	2	1.90	2.8	<1	<5	<5	22800	<50	81	0.2	4.2	<5	<0.01
RX 046895	<5	<5	<2	1300	<1	<1	14	34	<2	5.17	4	<1	<5	8	11400	<50	53	0.7	39	<5	<0.01
RX 046896	<5	<5	<2	570	<1	2	22	18	<2	6.70	2.5	<1	<5	<5	18000	62	57	0.2	28	<5	<0.01
RX 046897	<5	<5	<2	350	<1	7	34	61	<2	9.81	5	<1	<5	<5	14600	<50	<30	0.4	49	<5	<0.01
RX 051528	<5	<5	5	160	<1	3	30	140	<2	5.19	2.3	<1	<5	<5	9060	95	<30	0.6	12	13	<0.01
RX 051529	6	<5	<2	630	<1	1	10	13	<2	3.04	1.7	<1	<5	<5	10300	<50	<30	<0.2	14	<5	<0.01
RX 051530	<5	<5	4	2000	<1	<1	15	13	<2	10.2	8	<1	<5	13	7050	<50	100	<0.2	19	<5	<0.01
RX 051531	18	<5	6	210	<1	<1	45	15	<2	18.5	1.7	<1	<5	11	5770	<50	<30	<0.2	4.7	17	<0.01
RX 051532	<5	<5	<2	1400	<1	2	<5	<10	<2	0.61	3.1	<1	<5	<5	31800	<50	39	<0.2	2.5	<5	<0.01
RX 051551	<5	<5	<2	410	<1	2	6	<10	<2	2.30	4.5	<1	<5	<5	13400	<50	<30	0.3	8.9	<5	<0.01
RX 051552	<5	<5	<2	230	<1	8	39	89	<2	9.61	4	<1	<5	<5	17300	<50	<30	<0.2	48	<5	<0.01
RX 051553	<5	<5	<2	<100	<1	9	30	93	<2	7.00	3	<1	<5	<5	20400	<50	<30	<0.2	35	<5	<0.01
RX 051554	<5	<5	<2	2500	<1	4	7	23	<2	1.26	7.9	<1	<5	<5	36000	<50	<30	0.7	14	<5	<0.01
RX 051555	<5	<5	20	5700	<1	1	11	<10	<2	3.19	7.6	<1	<5	<5	20300	<50	75	1.3	16	<5	<0.01
RX 051556	<5	<5	<2	430	<1	3	<5	<10	<2	0.78	2.5	<1	<5	<5	39900	<50	<30	<0.2	2.4	<5	<0.01
RX 051557	7	<5	2	1100	<1	3	13	22	<2	3.23	7.5	<1	<5	<5	37100	81	52	0.6	13	6	<0.01

Activation Laboratories Ltd. Work Order: 4136 Report: 4112

Sample description	SR %	TA PPM	TH PPM	U PPM	W PPM	ZN PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM	Mass g
RX 046885	<0.05	<1	1.8	<0.5	<4	39300	15	20	19	2.2	1.1	<0.5	1.42	0.35	30.00
RX 046886	<0.05	<1	2.6	4.1	<4	678	19	27	14	3.1	1.1	0.6	3.39	0.54	30.00
RX 046887	<0.05	<1	2.6	6.0	<4	1960	11	19	8	2.0	1.2	<0.5	2.04	0.34	30.00
RX 046888	<0.05	2	21	10	<4	1180	13	25	12	4.3	0.8	1.3	10.8	1.54	30.00
RX 046889	<0.05	1	8.6	19	8	104	25	54	20	4.2	1.5	1.0	4.33	0.69	30.00
RX 046890	<0.05	<1	7.7	4.0	<4	199	24	48	16	4.3	1.3	<0.5	4.51	0.72	30.00
RX 046891	<0.05	<1	6.6	6.2	<4	<50	20	40	14	2.5	1.0	<0.5	2.75	0.47	30.00
RX 046892	<0.05	<1	2.1	1.8	<4	160	14	29	13	4.7	2.0	1.1	4.95	0.81	30.00
RX 046893	<0.05	2	0.9	1.3	<4	57	4	10	<5	1.2	0.2	<0.5	1.41	0.21	30.00
RX 046894	<0.05	2	1.8	3.7	<4	124	6	13	<5	1.5	0.2	<0.5	1.58	0.24	30.00
RX 046895	<0.05	<1	2.2	<0.5	<4	<50	15	32	13	3.5	1.0	0.6	2.41	0.39	30.00
RX 046896	<0.05	<1	1.9	<0.5	<4	225	10	24	12	2.9	1.0	<0.5	2.83	0.48	30.00
RX 046897	<0.05	<1	3.7	<0.5	<4	199	18	37	17	5.1	2.1	<0.5	5.66	0.89	30.00
RX 051528	<0.05	<1	3.3	4.4	<4	192	33	41	23	5.2	1.6	1.0	4.90	0.78	30.00
RX 051529	<0.05	<1	3.5	1.7	<4	126	11	21	7	1.8	0.8	<0.5	1.62	0.29	30.00
RX 051530	<0.05	<1	11	3.8	<4	113	42	85	31	6.5	1.3	1.0	6.35	0.99	30.00
RX 051531	<0.05	<1	2.2	1.3	<4	310	8	16	5	1.4	0.5	<0.5	1.17	0.19	30.00
RX 051532	0.07	<1	5.8	3.9	<4	106	14	25	7	1.5	0.6	<0.5	1.49	0.26	30.00
RX 051551	<0.05	<1	6.0	2.3	5	66	29	57	21	4.1	1.5	0.6	3.09	0.53	30.00
RX 051552	0.08	<1	3.1	<0.5	<4	209	16	31	16	4.7	2.0	1.1	5.20	0.78	30.00
RX 051553	<0.05	<1	1.1	<0.5	<4	171	7	15	7	2.8	1.4	<0.5	3.24	0.47	30.00
RX 051554	<0.05	1	9.2	6.7	<4	147	32	64	22	5.2	1.4	1.1	4.45	0.69	30.00
RX 051555	<0.05	<1	7.5	6.0	<4	74	28	58	22	5.2	2.0	1.0	4.31	0.25	30.00
RX 051556	0.11	<1	2.8	1.3	<4	59	12	22	6	1.0	0.6	<0.5	1.07	0.14	30.00
RX 051557	<0.05	<1	9.0	15	<4	377	35	70	23	5.1	1.7	0.9	3.90	0.36	30.00

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GEOCHEMICAL ANALYSIS CERTIFICATE

Inco Expl. & Tech. Services File # 92-1642 Page 1

2690 - 666 Burrard St., Vancouver BC V6C 2X8 Submitted by: DENNIS BOHME

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 %	Al %	Na %	K %	W ppm	Zr ppm	Sn ppm	Y ppm	Nb ppm	Be ppm	Sc ppm
RX 046898	2	81	648	1315	3.9	3	7	339	3.48	12	5	ND	6	143	2.0	6	2	50	1.56	.076	10	5	.42	123	.39	7.61	1.93	2.97	15	24	1	10	1	1	14.2
RX 046899	1	98	147	424	.9	16	25	1167	5.49	5	5	ND	3	496	.2	2	2	211	3.33	.076	8	10	2.27	1427	.59	8.79	2.95	2.00	2	5	2	16	2	1	23.7
RX 046900	5	155	1482	1987	33.4	4	5	144	4.61	184	5	ND	4	48	4.8	57	6	24	.55	.059	7	31	.31	68	.33	6.97	.37	3.32	3	86	1	12	5	1	11.6
RX 051533	1	304	62	327	.7	25	18	1473	9.32	4	5	ND	13	293	.2	3	2	130	1.10	.049	29	6	.68	595	.43	6.93	3.00	2.46	2	36	1	10	10	1	11.7
RX 051534	39	1828	1208	6236	24.5	9	2	177	2.51	4	5	ND	5	27	45.8	48	5	25	.11	.005	21	9	.34	273	.18	4.20	.28	1.99	23	39	1	4	2	1	4.3
RX 051535	6	3665	828	995	7.7	10	12	192	3.05	4	5	ND	4	166	7.3	5	2	24	.97	.019	7	45	.18	142	.12	7.01	2.12	3.63	5	19	1	4	1	1	4.3
RX 051536	30	4405	25935	49830	212.2	9	1	424	1.91	20	5	ND	1	103	444.4	719	9	25	1.97	.006	2	1	.14	285	.11	3.61	.32	.48	18	19	1	6	1	1	3.6
RX 051537	91	4535	7576	58641	34.2	18	2	555	3.59	4	6	ND	4	83	506.2	37	11	24	.74	.075	3	1	.14	96	.07	5.94	2.01	3.27	20	17	1	6	4	1	3.8
RX 051538	9	495	182	916	2.9	18	11	423	3.12	4	5	ND	7	187	4.6	2	2	41	1.77	.064	15	39	.75	154	.11	7.70	3.59	1.08	2	39	1	7	1	1	11.7
RX 051539	3	340	89	220	.8	13	32	458	10.47	4	5	ND	2	110	1.1	2	2	163	.99	.112	4	6	1.99	70	.17	6.42	1.51	1.23	2	1	1	6	1	1	22.6
RX 051540	2051	2277	82	383	3.9	50	95	2508	9.74	4	5	6	3	358	2.8	2	2	182	8.23	.144	9	12	2.00	183	.41	7.73	1.78	.14	2	6	1	18	1	1	19.1
RX 051541	114	855	98	837	2.4	140	20	2374	5.57	5	7	ND	8	243	10.3	8	2	223	4.93	.066	20	162	1.15	259	.32	6.87	2.23	.23	5	10	1	36	3	1	16.4
RX 051542	2	153	23	174	.6	36	14	710	7.04	6	5	ND	3	145	.2	9	2	226	1.15	.059	7	64	5.48	418	.31	9.41	1.76	1.49	2	1	1	4	1	1	34.5
RX 051543	33	483	46	2928	.8	5	9	238	5.01	4	5	ND	5	59	12.3	2	3	27	.51	.041	12	11	1.26	70	.23	4.04	.90	2.32	7	12	1	4	1	1	8.8
RX 051544	23	346	33	194	.6	3	10	247	5.11	4	5	ND	3	70	.2	2	2	22	.38	.045	9	33	1.04	75	.24	3.85	.70	2.72	2	14	1	4	3	1	5.5
RX 051545	11	17	16	53	.2	1	5	102	3.02	4	5	ND	5	23	.2	2	2	9	.06	.024	9	2	.62	110	.21	3.86	.16	3.76	2	28	1	5	5	1	3.1
RX 051546	12	53	21	91	.6	6	11	193	2.81	4	5	ND	3	50	.8	2	2	129	.49	.073	7	6	.71	677	.44	6.87	.85	4.00	7	5	1	4	1	1	18.8
RX 051547	20	1233	1871	5579	9.1	6	6	473	5.74	4	5	ND	4	101	21.0	2	2	28	2.20	.056	5	33	1.35	188	.29	7.62	1.63	1.72	3	44	1	11	1	1	10.5
RX 051548	5	163	48	372	2.8	279	42	1153	5.05	4	5	ND	4	248	.6	2	2	323	6.81	.091	17	388	4.46	206	.54	6.18	.33	.42	2	11	1	39	1	1	30.0
RX 051549	25	88	22	696	1.6	72	6	366	2.60	8	5	ND	3	101	21.0	8	5	593	1.68	.077	17	85	1.38	113	.14	2.96	.70	.70	2	30	1	22	2	1	8.4
RX 051550	10	225	23	45	.6	27	33	91	3.05	4	5	ND	1	3	.2	3	2	11	.05	.001	2	106	.05	109	.01	.15	.02	.03	2	1	1	1	1	1	.5
RX 051558	5	115	19	49	1.8	52	16	316	2.93	4	5	ND	3	433	2.3	2	4	137	3.43	.067	11	44	1.40	1237	.36	8.20	4.45	1.68	2	10	1	14	1	1	16.9
RX 051601	118	10609	4283	13181	27.9	54	18	513	17.51	9	5	ND	1	25	83.8	2	19	62	1.21	.068	2	21	1.73	74	.26	4.00	.88	1.31	13	34	5	11	1	3	7.8
RX 051602	9	7286	1688	2116	42.2	21	18	259	8.71	4	5	ND	4	34	16.5	5	39	32	.59	.058	5	49	2.45	37	.16	4.47	.67	1.29	3	35	2	4	1	1	7.4
RX 051603	6	2517	301	584	3.4	28	12	265	6.12	4	5	ND	2	72	1.9	2	6	44	1.32	.056	9	31	1.32	64	.23	4.88	.89	1.46	2	20	1	6	1	1	10.3
RX 051604	4	12660	7738	3384	96.3	29	17	385	6.72	4	5	ND	3	98	17.2	13	147	52	1.38	.073	9	26	4.60	374	.25	6.58	1.33	2.46	2	58	1	5	1	1	8.6
RX 051605	38	99999	4884	31372	98.2	26	9	463	13.39	4	5	ND	1	42	236.8	2	77	63	1.03	.141	2	32	1.69	100	.26	4.38	1.07	1.26	2	25	1	7	1	3	10.7
RX 051606	51	16721	4501	17723	30.3	35	15	599	11.84	4	5	ND	1	51	115.1	2	36	78	1.41	.076	2	36	2.14	117	.30	5.43	1.34	1.43	3	20	1	8	1	1	11.7
RX 051607	1	3707	387	537	3.1	18	6	397	5.39	4	5	ND	3	96	.2	2	5	58	1.14	.062	9	13	2.06	153	.31	6.83	1.26	2.39	2	15	1	5	1	1	12.0
RX 051608	6	2105	250	334	4.0	25	8	239	5.31	4	5	ND	3	61	.6	2	2	39	.95	.043	8	79	1.11	51	.23	4.48	.74	1.85	2	15	1	5	1	1	9.8
RX 051609	2	7164	3860	2373	52.3	16	10	396	6.19	4	5	ND	4	68	8.5	4	75	47	.87	.062	12	12	3.83	904	.21	6.03	.85	2.10	2	34	1	5	1	1	9.8
RX 051610	5	7573	5390	6261	24.8	28	18	698	7.31	4	5	ND	3	149	22.6	2	57	60	1.36	.074	17	29	6.05	3559	.30	7.15	.73	3.39	2	44	1	8	1	1	12.9
RX 051611	75	25858	5285	40523	24.1	51	20	413	14.13	4	5	ND	1	20	276.7	2	38	48	1.01	.076	2	22	1.40	90	.23	3.64	.93	1.19	2	25	2	9	1	2	7.3
RX 051612	1	11574	892	1977	5.5	22	8	296	6.53	4	6	ND	3	48	.2	2	15	36	.81	.061	5	23	1.89	48	.21	4.97	.86	1.86	2	18	1	4	1	1	10.1
RE RX 051608	7	2155	268	355	4.2	26	7	234	5.36	4	5	ND	1	60	.8	2	4	40	.95	.042	6	80	1.09	62	.23	4.58	.73	1.79	2	18	1	5	1	1	9.8
RX 051613	57	16479	3851	32888	16.4	43	19	619	16.99	4	6	ND	1	25	207.2	2	40	56	1.01	.083	2	24	2.07	94	.23	3.69	.55	1.40	2	32	4	11	1	1	8.0
RX 051614	1	89297	5942	31294	44.9	32	9	578	14.65	4	5	ND	1	21	85.6	2	2	70	.97	.128	2	31	1.27	93	.25	3.70	.69	1.25	2	18	2	11	1	1	10.4
STANDARD HFC	22	64	40	135	7.1	98	46	1226	4.38	39	17	7	37	54	20.0	19	19	78	.52	.117	40	65	.96	240	.08	1.99	.09	.17	13	4	17	8	1	1	5.9

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 10ML HCLO4-HNO3-HCL-HF AT 200 DEG. C TO FUMING AND IS DILUTED TO 10 ML WITH DILUTED AQUA REGIA. THIS LEACH IS PARTIAL FOR MAGNETITE, CHROMITE, BARITE, OXIDES OF AL, ZR & MN AND MASSIVE SULFIDE SAMPLES. AU DETECTION LIMIT BY ICP IS 3 PPM. AS, CR, SB SUBJECT TO THE LOST OF VOLATILIZATION DURING HCLO4 FUMING.
- SAMPLE TYPE: ROCK Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: JUN 24 1992 **DATE REPORT MAILED:** July 3/92 **SIGNED BY.....** D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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 %	Al %	Na %	K %	W ppm	Zr ppm	Sn ppm	Y ppm	Nb ppm	Be ppm	Sc ppm
RX 051615	99	41277	4763	28839	75.5	38	14	576	15.55	4	5	ND	1	28	179.0	5	2	53	1.13	.092	2	10	1.18	123	.20	3.52	.73	1.20	27	21	5	12	2	4	7.4
RX 051616	47	15193	4394	6845	49.1	21	8	325	11.07	4	5	ND	1	66	38.3	2	47	48	1.40	.061	2	51	1.36	91	.16	5.18	1.06	1.24	13	20	3	6	1	1	8.2
RX 051617	75	42071	5216	26094	69.4	36	14	541	13.48	4	5	ND	1	36	162.0	2	6	55	1.24	.087	2	51	1.49	78	.21	4.07	.89	1.15	19	21	4	8	2	3	9.2
RX 051618	1	197	63	264	2.4	37	46	2024	9.30	4	5	ND	6	356	.2	2	2	307	7.40	.087	7	49	3.20	288	.98	8.62	1.01	.69	2	1	1	28	1	1	36.1
RX 051619	6	228	67	187	1.3	7	2	595	7.70	4	5	ND	2	92	.2	2	2	187	.67	.110	5	11	2.94	611	.31	7.47	1.21	1.78	2	1	1	3	1	1	21.5
RX 051620	38	2235	2871	41704	9.9	16	2	539	3.83	7	5	ND	1	115	316.8	9	2	21	.62	.043	2	25	.21	213	.07	5.61	1.98	3.60	6	10	1	6	4	1	3.8
RX 051621	8	1865	789	1194	7.7	24	7	482	5.96	4	5	ND	6	96	5.2	4	4	58	1.12	.040	5	7	.56	82	.28	7.12	1.91	3.20	3	36	1	5	8	1	8.1
RX 051622	8	153	171	1026	1.6	18	7	1106	4.49	4	5	ND	15	249	2.0	2	2	127	3.24	.168	33	2	1.60	1462	.64	8.54	1.52	2.37	2	19	1	17	21	1	8.9
RX 051623	29	173	42	373	1.5	183	12	374	3.51	1184	8	ND	12	191	1.6	2	2	729	1.97	.069	25	292	.84	1340	.27	7.30	1.89	2.04	2	48	1	12	1	2	14.5
RX 051624	50	350	177	2243	3.9	177	16	2449	7.38	20	5	ND	13	149	25.7	4	2	200	7.03	.052	30	252	.88	125	.30	5.61	.31	.21	6	22	3	55	3	1	11.6
RX 051625	1	81	4	201	1.7	14	42	2122	11.18	4	5	ND	9	395	.2	2	2	420	6.26	.148	19	2	2.73	221	1.48	7.25	1.86	1.17	2	4	1	38	1	1	44.4
RX 051626	3	45	14	66	.5	4	3	290	1.31	4	5	ND	6	134	.4	10	2	25	.80	.018	10	29	.37	1005	.17	4.74	3.02	3.02	4	11	1	4	1	1	2.7
RX 051627	80	50033	5017	21654	68.8	61	16	1401	15.01	7	5	ND	1	55	138.9	2	2	113	2.46	.084	2	62	1.92	55	.40	3.44	.71	1.01	9	3	3	11	1	3	13.7
RX 051628	108	51788	5505	43635	58.0	33	15	561	19.31	12	8	ND	1	25	292.3	3	2	44	.94	.078	2	2	.43	42	.13	2.01	.54	.60	13	5	6	8	1	1	4.6
RX 051629	63	32713	6737	12800	51.8	17	14	564	12.47	4	5	ND	1	80	80.2	3	6	61	1.50	.064	2	36	.59	295	.22	3.90	1.27	.94	7	7	1	9	1	1	7.2
RX 051630	26	1136	232	748	1.9	15	19	771	5.33	4	5	ND	4	227	3.6	2	2	130	2.26	.072	13	19	2.56	1300	.39	7.49	1.95	1.99	2	5	1	12	1	1	19.7
RX 051631	109	5443	7261	50116	24.5	27	37	744	17.80	4	5	ND	1	23	341.9	2	27	69	1.02	.054	2	1	.73	61	.19	2.74	.49	1.02	2	6	2	8	1	1	6.7
RX 051632	5	410	185	689	1.7	34	31	1994	6.65	6	5	ND	6	457	3.2	5	2	220	6.31	.090	14	62	3.05	708	.54	8.81	2.36	.68	2	4	2	17	4	1	25.9
RX 051633	173	9903	8162	3069	56.6	13	10	701	14.84	8	5	ND	1	47	20.5	20	24	68	1.61	.033	2	16	.81	62	.20	2.97	.87	1.02	5	8	8	11	1	2	7.4
RX 051634	6	1308	667	1018	3.7	22	9	821	6.09	4	5	ND	3	165	5.2	2	2	96	1.57	.064	9	21	2.15	145	.39	7.35	1.57	2.70	2	21	2	9	4	1	11.9
RX 051635	182	16583	2651	25797	39.8	53	25	405	15.07	4	5	ND	1	38	182.1	5	28	58	1.01	.067	2	32	.45	96	.22	3.01	.74	.69	9	16	1	12	1	2	8.2
RE RX 051632	3	415	167	580	1.4	35	31	1938	6.58	4	5	ND	4	451	2.9	2	2	220	6.11	.090	16	61	2.93	698	.55	8.68	2.37	.68	2	3	1	16	1	1	24.7
RX 051636	257	16727	3640	18669	32.8	24	26	449	12.21	4	5	ND	1	42	124.2	5	19	60	1.20	.056	2	8	.77	95	.24	4.11	1.14	1.26	6	15	1	10	1	1	8.8
RX 051637	13	2483	377	1376	2.9	22	12	336	5.53	4	5	ND	2	101	8.4	2	2	43	1.74	.051	10	12	.86	71	.24	5.37	1.77	1.47	2	17	1	8	1	1	8.7
RX 051638	46	11037	775	3398	17.4	24	23	522	10.53	4	5	ND	1	79	23.2	2	10	75	1.53	.068	3	50	.91	58	.31	5.08	1.46	1.36	2	15	1	11	1	1	12.1
RX 051639	24	11597	5396	18356	36.2	24	26	708	10.89	7	5	ND	3	74	116.2	29	18	122	2.47	.082	2	22	1.58	70	.40	5.89	1.00	1.34	7	11	1	15	1	1	15.3
RX 051640	31	20620	2614	13932	38.6	21	19	400	10.10	10	5	ND	1	61	95.0	22	6	64	1.49	.061	2	14	.73	53	.23	4.05	.98	1.07	7	17	1	10	1	1	7.5
RX 051641	4	667	262	987	2.0	10	7	1132	2.94	4	5	ND	5	207	5.3	7	2	36	1.77	.046	17	42	.92	650	.31	6.16	2.49	1.79	2	18	1	7	2	1	8.3
RX 051642	2	329	526	283	4.5	20	26	1382	6.65	4	5	ND	3	715	2.4	4	4	244	5.97	.039	4	13	2.80	718	.48	9.94	2.84	1.07	2	2	1	12	1	1	25.0
RX 051643	1	189	29	145	.3	24	21	1673	6.75	4	5	ND	1	652	1.8	2	2	220	7.49	.036	5	24	3.15	152	.38	9.50	2.44	.54	2	6	1	11	1	1	22.5
STANDARD HFC	22	64	39	133	7.4	94	45	1154	4.43	39	17	7	36	54	20.8	17	19	77	.53	.117	39	60	.95	237	.08	1.94	.09	.16	11	4	18	7	1	1	5.7

Sample type: ROCK. Samples beginning 'RE' are duplicate samples.

ASSAY RECOMMENDED for Cu, Pb, Zn > 1%
Ag > 30 ppm.

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Inco Expl. & Tech. Services File # 92-1642 Page 1

2690 - 666 Burrard St., Vancouver BC V6C 2X8 Submitted by: DENNIS BOHME

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	LOI %	SUM %
RX 046898	69.87	13.69	5.36	.46	2.28	2.19	2.98	.72	.10	.05	.016	2269	159	178	68	35	1.4	99.56
RX 046899	56.85	16.97	7.79	3.46	4.91	4.02	2.35	.90	.11	.15	.002	3371	505	87	50	20	1.6	99.76
RX 046900	69.60	12.22	6.72	.15	.72	.39	3.59	.44	.12	.01	.002	2967	56	132	31	6	4.9	99.38
RX 051533	59.31	13.26	15.28	1.18	1.72	3.93	2.80	.78	.06	.19	.002	2684	296	176	41	5	.8	99.83
RX 051534	81.30	7.54	2.90	.23	.14	.31	2.27	.20	.01	.01	.002	7328	29	73	17	5	2.2	98.37
RX 051535	69.74	12.55	4.89	.01	1.33	2.54	3.87	.27	.01	.01	.002	9554	225	94	16	8	2.5	99.39
RX 051536	70.43	6.06	2.17	.01	2.69	.37	.66	.15	.02	.03	.002	16620	134	61	7	5	2.5	87.94
RX 051537	55.23	11.13	5.68	.01	1.01	2.59	3.80	.12	.13	.06	.002	12116	142	58	21	12	5.6	87.45
RX 051538	67.76	13.46	5.15	1.13	2.51	4.52	1.26	.50	.19	.09	.044	617	188	143	22	5	2.9	99.66
RX 051539	50.29	14.66	17.79	3.20	1.51	1.88	1.43	.93	.23	.06	.005	481	131	62	22	5	7.8	99.89
RX 051540	49.97	14.08	13.51	2.88	11.63	2.28	.21	.60	.33	.27	.002	77	328	21	17	5	3.7	99.52
RX 051541	62.43	12.35	9.08	1.79	7.30	2.88	.45	.45	.13	.28	.024	151	230	59	35	5	2.4	99.63
RX 051542	51.39	17.18	9.86	8.67	1.62	2.24	1.57	.75	.07	.07	.003	767	144	42	18	5	6.3	99.88
RX 051543	69.92	10.31	7.73	1.98	.92	1.07	2.65	.43	.13	.03	.005	759	69	97	21	5	3.9	99.23
RX 051544	72.21	10.10	7.59	1.54	.65	.78	2.83	.32	.06	.02	.009	955	80	94	16	5	3.4	99.70
RX 051545	71.98	12.89	5.26	.84	.10	.19	4.50	.24	.01	.01	.002	2265	29	154	15	7	3.5	99.91
RX 051546	66.98	16.59	4.03	1.04	.74	1.02	4.77	.85	.16	.01	.002	1752	54	94	21	5	3.4	99.91
RX 051547	58.93	14.19	9.87	2.12	3.07	2.07	1.97	.46	.09	.04	.006	13859	245	137	24	5	3.4	98.62
RX 051548	59.41	10.92	6.81	6.49	9.48	.38	.70	.77	.24	.11	.062	138	230	56	33	5	4.4	99.83
RX 051549	81.58	5.03	2.96	2.04	2.33	.79	.89	.22	.13	.03	.017	3312	101	57	21	5	3.1	99.70
RX 051550	95.16	.18	3.04	.01	.01	.05	.05	.01	.01	.01	.021	5	10	5	5	5	1.6	100.00
RX 051558	55.94	18.97	6.66	2.27	4.97	6.13	2.03	.59	.18	.05	.007	1268	444	36	16	5	1.9	99.97
RX 051601	31.57	8.21	27.86	2.79	1.88	1.11	1.69	.36	.20	.05	.002	23789	239	39	15	5	16.7	96.50
RX 051602	55.60	13.58	13.39	4.02	.99	.79	1.68	.51	.17	.02	.005	2680	75	108	24	9	7.7	98.94
RX 051603	69.42	6.48	7.65	2.81	1.77	2.90	3.60	.16	.01	.01	.002	1192	92	37	15	10	4.7	99.72
RX 051604	49.27	15.68	9.74	8.58	2.12	1.78	3.42	.60	.21	.06	.002	4007	152	108	25	16	5.5	97.68
RX 051605	35.17	10.25	22.89	3.17	1.76	1.57	1.75	.45	.52	.05	.002	14178	203	39	17	5	7.0	87.02
RX 051606	41.66	11.19	19.12	3.79	2.20	1.88	1.87	.52	.26	.06	.002	15474	237	57	18	5	9.5	94.72
RX 051607	59.65	14.33	9.31	3.38	1.65	1.56	3.28	.64	.12	.04	.002	5073	132	101	25	10	4.6	99.46
RX 051608	66.32	11.49	9.73	1.82	1.43	.89	2.11	.46	.09	.02	.013	2380	84	81	20	8	4.8	99.60
RX 051609	55.53	13.89	9.46	6.41	1.32	1.06	2.92	.53	.16	.04	.005	3399	98	104	26	14	6.6	98.53
RX 051610	47.34	13.81	10.22	10.84	1.97	.90	4.08	.58	.25	.07	.003	3899	152	96	22	19	6.9	97.66
RX 051611	33.77	9.42	25.17	2.81	1.70	1.27	1.76	.35	.19	.06	.002	16631	198	33	16	5	10.8	90.16
RX 051612	60.67	12.78	9.83	3.37	1.39	1.06	2.38	.54	.22	.04	.008	3615	89	93	22	18	5.5	98.43
RE RX 051608	66.00	11.23	9.88	1.87	1.45	.82	2.18	.47	.11	.02	.017	2246	81	76	20	9	5.1	99.55
RX 051613	26.74	8.03	28.87	3.73	1.69	.69	1.71	.34	.22	.07	.002	23801	235	27	15	5	15.9	92.07
RX 051614	31.79	8.46	26.28	2.56	1.73	.91	1.85	.45	.50	.07	.002	17508	195	18	15	5	10.1	87.70
STANDARD SO-4	67.05	10.79	3.44	.92	1.54	1.36	2.17	.57	.21	.08	.005	787	198	280	19	17	10.4	98.73

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 Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: JUN 24 1992 **DATE REPORT MAILED:** **SIGNED BY**.....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	LOI %	SUM %
RX 051615	31.63	8.39	24.65	2.38	1.97	1.08	1.89	.34	.61	.08	.002	21849	301	46	5	5	14.0	90.78
RX 051616	49.46	10.33	15.52	2.35	2.19	1.43	1.82	.40	.29	.04	.002	15300	277	108	48	28	10.5	96.99
RX 051617	39.72	9.37	20.42	2.80	2.06	1.28	1.69	.43	.55	.07	.002	16415	239	80	18	5	10.6	91.82
RX 051618	50.29	17.27	12.18	4.81	9.58	1.38	1.03	1.71	.27	.22	.002	266	351	84	32	5	1.0	99.84
RX 051619	52.80	15.80	11.55	4.90	.94	1.51	2.13	1.03	.30	.07	.002	686	97	80	25	5	8.7	99.87
RX 051620	63.47	10.73	5.39	.05	.88	2.49	4.06	.08	.10	.06	.003	6956	162	33	14	7	3.5	92.02
RX 051621	58.96	15.62	9.37	.82	1.62	2.37	3.56	.44	.10	.05	.002	4373	135	103	18	8	5.7	99.39
RX 051622	58.67	16.47	6.41	2.53	4.46	1.99	2.92	1.02	.40	.13	.002	1538	246	119	22	15	4.3	99.61
RX 051623	68.13	13.51	5.20	1.27	2.72	2.34	2.29	.54	.10	.04	.037	1319	176	119	49	5	3.3	99.74
RX 051624	65.12	10.26	8.88	1.24	9.36	.38	.47	.41	.14	.26	.029	1001	143	85	50	5	2.7	99.45
RX 051625	47.51	14.08	15.97	4.23	8.85	2.56	1.46	2.69	.42	.25	.002	273	380	275	34	5	1.7	99.85
RX 051626	74.12	13.27	1.78	.35	1.17	3.95	3.39	.22	.04	.04	.002	840	139	97	7	7	1.4	99.90
RX 051627	32.80	8.77	25.05	4.16	4.87	1.08	1.35	.78	.51	.20	.002	9433	260	34	14	5	11.0	92.21
RX 051628	26.38	5.27	32.18	.92	1.89	.84	.77	.27	.47	.08	.002	18130	353	19	11	5	16.1	88.30
RX 051629	48.05	8.98	19.68	1.12	2.68	1.69	1.08	.38	.40	.07	.002	8378	292	58	11	5	9.3	94.90
RX 051630	59.06	14.88	9.30	4.16	3.33	2.48	2.30	.92	.16	.11	.002	1994	229	87	24	5	2.5	99.58
RX 051631	30.55	6.35	28.95	1.38	1.80	.65	1.09	.30	.17	.10	.002	9870	178	16	9	5	16.5	89.54
RX 051632	52.72	17.01	8.44	4.65	8.50	3.08	.77	.89	.20	.22	.002	841	436	51	18	5	2.9	99.58
RX 051633	40.32	6.41	23.29	1.43	2.69	1.10	1.35	.32	.17	.09	.002	29854	551	32	11	5	15.8	98.11
RX 051634	59.16	14.59	8.42	3.66	2.51	1.96	3.02	.72	.21	.15	.040	3179	201	118	21	5	4.5	99.52
RX 051635	44.04	6.51	21.82	.78	1.69	.98	1.15	.55	.23	.06	.008	6945	142	47	15	5	15.0	94.02
RE RX 051632	52.60	16.89	8.48	4.64	8.54	3.05	.82	.90	.22	.23	.006	856	433	54	18	5	3.1	99.68
RX 051636	47.70	9.30	18.59	1.45	2.06	1.47	1.55	.54	.27	.07	.002	8845	194	66	15	8	10.6	95.14
RX 051637	65.62	12.31	9.17	1.40	2.66	2.10	1.54	.53	.17	.04	.002	1837	126	114	20	5	3.5	99.39
RX 051638	54.12	10.89	15.37	1.69	2.59	1.88	1.54	.79	.24	.07	.003	5184	220	89	18	5	8.4	98.50
RX 051639	45.84	12.30	15.60	2.73	3.93	1.29	1.35	.78	.25	.10	.002	10631	305	77	20	5	9.4	95.43
RX 051640	52.40	9.55	16.52	1.40	2.58	1.24	1.13	.48	.27	.05	.002	7846	234	71	15	5	8.8	95.79
RX 051641	67.59	13.83	4.91	1.52	2.61	3.05	2.06	.49	.09	.15	.003	1449	207	130	19	6	3.0	99.59
RX 051642	51.08	19.42	9.67	4.46	8.23	3.66	1.08	.71	.10	.15	.002	742	697	54	14	5	1.0	99.78
RX 051643	59.35	11.67	6.61	2.69	8.47	4.07	3.85	.14	.51	.32	.002	415	291	409	622	144	1.4	99.34
STANDARD SO-4	68.86	10.40	3.25	.96	1.54	1.33	2.18	.55	.21	.07	.006	812	196	298	20	14	10.4	99.96

Sample type: ROCK. Samples beginning 'RE' are duplicate samples.

ACME ANA. .ICAL LABORATORIES LTD. 852 E. HASTINGS ST. ICOUVER B.C. V6A 1R6 PHONE(604)253-3158 FA 04)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Inco Expl. & Tech. Services File # 92-1643

2690 - 666 Burrard St., Vancouver BC V6C 2X8 Submitted by: DENNID BOHME

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 %	Al %	Na %	K %	W ppm	Zr ppm	Sn ppm	Y ppm	Nb ppm	Be ppm	Sc ppm
RX 051559	27	153	8	70	.2	12	25	43	20.05	8	5	ND	5	14	.3	2	4	6	.04	.011	2	37	.21	25	.07	2.20	.12	1.09	3	8	3	3	1	10	2.8
RX 051560	75	1537	180	453	1.6	34	21	399	5.17	4	5	ND	5	306	3.0	2	2	52	1.53	.029	10	14	1.10	93	.21	6.12	2.06	1.47	2	18	1	6	1	1	7.4
RX 051561	21	830	30	103	.5	15	36	353	7.01	4	5	ND	6	151	.2	2	2	14	.80	.022	10	8	.48	56	.20	5.52	1.27	1.85	2	37	1	8	8	1	7.7
RX 051562	33	602	45	86	1.0	12	56	223	6.35	4	5	ND	5	206	.2	2	3	18	.95	.007	10	52	.29	55	.16	4.81	1.74	1.22	2	38	1	5	3	1	5.6
RX 051563	3	584	4	121	.5	11	43	1086	10.22	4	5	ND	6	37	.2	2	2	171	.41	.071	5	6	5.02	235	.41	7.65	.89	1.34	2	1	1	3	1	1	19.8
RX 051564	7	3676	383	9836	6.9	23	18	728	11.81	4	8	ND	7	164	47.1	2	9	158	3.05	.072	9	37	2.05	31	.54	6.53	.55	1.59	2	11	2	12	1	3	22.1
RX 051644	431	239	12	154	1.2	143	36	3850	7.81	4	6	ND	2	381	1.1	2	7	325	11.35	.050	6	533	.63	319	.93	8.29	.48	.13	2	36	3	32	8	1	32.8
RE RX 051648	5	195	10	176	.7	185	46	1803	6.57	4	5	ND	6	530	.3	2	2	228	9.09	.066	9	338	1.75	360	.75	8.52	1.51	.26	2	19	1	20	1	1	27.6
RX 051645	12	321	11	284	1.0	243	66	1795	8.24	4	5	ND	5	410	.8	2	2	224	9.50	.051	2	311	3.12	120	.84	8.44	1.43	.87	2	14	1	20	1	1	26.6
RX 051646	40	89	7	552	.5	92	8	726	2.45	4	5	ND	5	333	8.5	2	2	606	3.61	.159	15	62	1.59	206	.29	3.52	.59	1.01	2	13	1	31	6	1	11.0
RX 051647	4	1248	22	105	.7	49	67	1933	7.95	5	5	ND	11	449	2.5	2	5	281	13.47	.147	53	69	2.20	187	.55	8.41	.44	.18	2	42	2	27	10	1	20.2
RX 051648	4	200	10	172	1.0	183	46	1818	6.70	5	5	ND	7	534	1.2	3	2	230	9.33	.069	11	337	1.80	381	.76	8.71	1.52	.30	2	19	1	19	1	1	26.9
RX 051649	5	74	11	148	.2	44	15	898	5.46	4	5	ND	10	320	.6	2	3	217	3.06	.072	19	141	2.58	2285	.41	8.18	1.39	1.70	2	16	1	14	1	1	25.7
RX 051650	33	8691	2664	12091	23.0	31	17	535	6.38	5	5	ND	6	106	85.7	8	27	89	2.02	.079	3	51	1.41	51	.37	6.42	2.35	1.76	2	41	2	7	3	1	11.9
RX 051651	4	83	49	91	2.1	29	24	50	5.69	4	5	ND	3	13	.2	2	2	4	.14	.007	2	14	.04	27	.02	.51	.14	.21	2	4	1	2	1	1	.6
RX 051652	1	20	4	50	.7	15	4	511	2.13	4	9	ND	6	501	.4	5	2	50	2.18	.031	14	18	.29	546	.26	7.22	4.09	1.85	3	9	1	8	8	1	6.4
RX 051653	2	27	10	113	.4	6	11	997	5.45	6	5	ND	10	264	.7	2	5	69	2.27	.139	20	17	.91	460	.74	7.05	3.68	1.05	2	13	1	35	7	1	20.2
STANDARD HFC	22	64	39	133	7.3	94	45	1191	4.34	37	19	7	36	53	20.5	14	20	78	.53	.116	41	64	.91	238	.08	1.87	.09	.15	10	4	18	7	1	1	5.8

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 10ML HCLO4-HNO3-HCL-HF AT 200 DEG. C TO FUMING AND IS DILUTED TO 10 ML WITH DILUTED AQUA REGIA. THIS LEACH IS PARTIAL FOR MAGNETITE, CHROMITE, BARITE, OXIDES OF AL, ZR & MN AND MASSIVE SULFIDE SAMPLES. AU DETECTION LIMIT BY ICP IS 3 PPM. AS, CR, SB SUBJECT TO THE LOST OF VOLATILIZATION DURING HCLO4 FUMING.

- SAMPLE TYPE: ROCK Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: JUN 26 1992 **DATE REPORT MAILED:** July 2/92 **SIGNED BY:** .....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANAL .ICAL LABORATORIES LTD. 852 E. HASTINGS ST. .COUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX)4)253-1716

WHOLE ROCK ICP ANALYSIS

Inco Expl. & Tech. Services File # 92-1643

2690 - 666 Burrard St., Vancouver BC V6C 2X8 Submitted by: DENNID BOHME

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	LOI %	SUM %
RX 051559	41.72	5.42	30.89	.44	.09	.21	1.69	.13	.07	.01	.008	797	27	77	24	17	19.1	99.93
RX 051560	68.59	11.51	7.10	1.71	2.04	2.42	1.59	.45	.09	.05	.004	1665	390	140	13	24	3.8	99.74
RX 051561	67.15	10.41	10.17	.78	1.10	1.52	2.29	.29	.07	.05	.002	1676	218	129	21	24	5.7	99.89
RX 051562	69.73	8.90	9.09	.49	1.31	2.07	1.44	.28	.03	.03	.009	1347	278	133	17	11	6.2	99.89
RX 051563	50.09	15.30	14.31	7.98	.55	1.15	1.78	.73	.18	.13	.002	381	42	71	22	5	7.6	99.89
RX 051564	44.49	14.27	18.47	3.26	4.59	.72	2.28	.93	.16	.10	.008	1361	237	125	28	6	8.7	98.28
RX 051644	50.20	16.05	10.29	.93	15.81	.60	.72	1.39	.10	.44	.085	347	450	51	32	5	3.1	99.88
RE RX 051648	49.68	16.93	9.09	2.60	13.32	1.96	.84	1.15	.15	.22	.059	411	633	72	22	5	3.7	99.91
RX 051645	45.36	16.51	11.06	4.48	13.45	1.82	1.15	1.29	.13	.21	.053	2089	510	61	20	5	3.9	99.89
RX 051646	76.11	6.16	3.20	2.28	4.82	.68	1.15	.37	.35	.09	.009	2104	359	78	27	5	4.1	99.77
RX 051647	42.17	17.49	11.01	3.28	20.49	.50	.73	.82	.36	.24	.012	187	553	126	34	11	2.5	99.77
RX 051648	49.65	16.99	9.05	2.56	13.25	1.95	.92	1.16	.16	.22	.064	414	635	89	23	5	3.7	99.89
RX 051649	56.64	16.56	8.34	4.04	4.29	1.71	2.19	.75	.17	.12	.024	2899	376	92	20	5	4.5	99.92
RX 051650	51.51	16.65	10.29	2.40	3.22	2.88	2.09	.62	.17	.08	.008	13054	449	164	27	6	5.2	97.46
RX 051651	86.13	.96	7.81	.05	.19	.14	.53	.04	.01	.01	.003	579	16	14	5	5	4.0	99.98
RX 051652	69.46	15.06	3.07	.50	2.94	5.04	2.03	.33	.06	.07	.003	547	634	113	7	5	1.2	100.01
RX 051653	63.19	14.23	8.06	1.51	3.25	4.60	1.29	1.02	.33	.13	.003	864	336	197	40	5	2.1	99.96
STANDARD SO-4	68.51	10.66	3.41	.94	1.57	1.25	2.12	.56	.22	.08	.009	798	197	305	23	11	10.4	99.95

.200 GRAM SAMPLES ARE FUSED WITH 1.2 GRAM OF LIBO2 AND ARE DISSOLVED IN 100 MLS 5% HNO3.
- SAMPLE TYPE: ROCK Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: JUN 26 1992 **DATE REPORT MAILED:** July 2/92 **SIGNED BY.** C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Inco Expl. & Tech. Services File # 92-1710

2690 - 666 Burrard St., Vancouver BC V6C 2X8

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 %	Al %	Na %	K %	W ppm	Zr ppm	Sn ppm	Y ppm	Nb ppm	Be ppm	Sc ppm	Au* ppb
RX 051565	12	95	36	66	.8	1	3	282	5.56	4	5	ND	4	89	.2	2	2	41	.60	.039	15	4	.89	130	.25	5.57	.65	1.77	8	5	1	4	3	1	11.5	29
RX 051566	98	1336	14	187	16.1	14	245	15	43.25	4	7	ND	2	3	.2	9	2	7	.03	.006	2	7	.05	13	.03	.56	.03	.23	2	7	11	3	1	7	.2	219
RX 051567	74	607	39	83	9.0	8	118	63	27.23	13	5	ND	2	11	.2	4	8	17	.23	.016	2	3	.20	13	.10	2.86	.31	1.00	3	12	7	3	1	2	2.4	171
RX 051568	4	392	82	106	1.0	6	8	351	4.75	4	5	ND	4	110	.2	2	2	26	.57	.032	15	32	1.18	70	.24	6.33	.70	2.07	3	7	2	4	4	1	8.3	15
RX 051569	65	34	5	40	.2	5	11	293	4.87	4	5	ND	2	40	.2	2	3	109	.10	.061	7	3	1.82	93	.30	7.08	.35	2.73	5	1	1	3	1	1	20.3	1
RX 051570	18	374	40	85	.9	8	16	231	5.92	4	5	ND	3	113	.2	2	2	47	.74	.029	9	8	.78	28	.18	5.52	.77	1.71	6	10	1	3	1	1	7.0	38
RX 051571	12	81	65	72	1.6	9	7	516	3.36	4	5	ND	1	606	.2	6	3	15	1.93	.024	8	5	.25	166	.12	8.62	3.34	1.48	3	5	1	4	5	1	2.3	49
RX 051572	23	972	68	799	1.4	10	19	273	4.49	4	5	ND	4	103	11.4	7	3	32	.62	.048	12	27	.91	53	.23	6.28	.70	2.18	6	7	1	4	4	1	7.7	27
RX 051573	51	96	48	87	.2	7	5	311	1.94	4	5	ND	4	230	.4	6	2	22	1.04	.040	12	7	1.01	714	.13	8.01	1.54	1.92	5	4	1	3	4	1	8.0	3
RX 051574	1	69	19	103	.2	10	24	1522	6.68	4	5	ND	1	384	.2	2	2	244	7.83	.047	4	10	1.66	167	.51	9.13	2.29	.50	2	14	1	17	1	1	25.4	2
RX 051575	2	53	9	62	.3	7	33	800	7.74	4	5	ND	2	85	.2	16	5	162	.80	.080	4	3	4.15	278	.54	9.21	1.12	1.35	4	1	1	3	1	1	21.5	8
RX 051576	14	460	19	93	.7	8	2	297	12.80	6	10	ND	5	248	.4	15	2	64	.96	.062	8	32	1.19	613	.21	6.07	1.24	.92	9	3	1	3	1	5	12.0	4
RX 051577	3	101	19	71	.2	13	19	487	4.88	4	5	ND	3	180	.2	6	2	67	1.15	.040	2	8	2.33	226	.19	7.02	1.23	1.57	3	10	1	2	1	1	12.6	3
RX 051578	109	3213	46	920	4.2	12	89	201	27.22	4	5	ND	2	34	10.7	2	9	53	.53	.020	2	9	.97	19	.16	2.01	.33	.46	2	7	4	4	1	1	4.6	95
RX 051579	4	186	37	207	.2	20	27	1009	6.45	4	5	ND	1	212	.3	2	2	194	2.03	.067	6	24	4.14	605	.40	9.45	1.97	2.21	2	1	1	5	1	1	26.6	6
RX 051580	4	16	20	81	.3	8	18	1473	6.86	4	5	ND	3	407	.2	7	6	177	3.72	.055	5	13	1.66	96	.64	10.43	4.27	.21	4	3	2	21	3	1	28.3	2
RX 051581	31	1706	4583	320	19.8	8	10	101	8.43	4	5	ND	1	30	4.1	26	23	16	.44	.015	2	2	.19	26	.05	1.87	.59	.48	2	18	2	2	1	1	2.0	230
RX 051582	191	7414	3204	16377	14.0	63	12	745	20.09	4	5	ND	5	104	138.2	2	34	85	1.81	.076	9	27	.83	26	.23	4.81	1.12	.79	2	9	1	17	1	2	9.3	28
RX 051583	79	29294	2829	21954	37.6	30	23	634	17.03	4	5	ND	1	54	167.4	2	25	64	1.48	.063	2	30	.84	28	.23	3.53	.77	.85	3	5	5	11	1	3	7.2	239
RX 051584	129	12264	4252	30933	21.7	34	26	536	22.44	4	5	ND	1	31	244.5	2	28	64	.94	.059	2	29	.62	52	.19	2.40	.37	.50	2	6	9	9	1	1	5.8	162
RX 051585	71	5628	1489	28666	10.2	25	21	480	19.76	5	6	ND	2	38	218.6	2	8	49	.91	.048	2	8	.86	19	.18	2.40	.51	.78	2	7	7	10	1	1	5.6	64
RX 051586	345	33702	5299	27382	35.1	43	78	1089	22.20	4	5	2	3	47	266.4	3	45	62	1.37	.088	4	21	.79	17	.22	2.73	.52	.58	2	6	3	15	1	1	7.1	155
RX 051587	329	7882	4505	22142	15.4	98	6	567	22.54	4	5	ND	2	59	210.1	2	35	53	1.19	.058	5	18	.69	19	.18	2.79	.66	.49	2	6	3	14	1	2	5.9	182
RX 051588	239	3875	2535	13850	9.4	20	138	730	17.49	4	5	ND	3	92	123.1	2	26	78	1.68	.064	5	43	1.18	20	.28	4.46	1.00	.95	2	10	1	14	1	2	11.1	32
RX 051589	193	6764	449	5996	5.9	20	26	685	10.70	4	5	ND	4	96	47.4	8	19	68	1.23	.051	6	18	.97	33	.30	3.97	1.01	.96	10	12	1	13	1	1	11.6	20
RE RX 051585	71	5838	1332	29162	10.0	25	21	496	20.07	4	5	ND	1	41	225.3	2	9	49	.93	.050	2	5	.88	17	.19	2.49	.53	.79	3	8	10	10	1	1	5.7	82
RX 051654	5	288	81	351	.7	13	13	863	3.91	5	5	ND	6	215	2.3	8	2	93	1.76	.051	13	9	1.12	658	.39	7.80	2.59	2.77	7	12	1	12	5	1	11.8	13
RX 051655	10	164	59	221	.5	14	7	518	3.07	4	5	ND	8	270	1.2	2	2	36	2.20	.049	16	4	.79	571	.22	8.15	2.88	1.46	2	24	1	13	4	1	7.4	6
RX 051656	21	110	23	192	.9	55	17	553	3.95	4	6	ND	7	159	1.4	3	2	240	2.77	.060	16	79	1.25	149	.30	6.66	.96	1.09	3	15	1	18	1	1	19.2	4
RX 051657	10	99	22	181	.2	7	3	538	4.11	4	5	ND	8	411	.7	2	11	207	3.03	.072	17	37	1.60	3245	.24	9.56	2.47	1.32	2	24	1	4	1	1	20.9	3
RX 051658	1	29	19	59	.2	8	1	1011	.59	4	5	ND	3	98	.3	6	2	2	.60	.006	4	6	.04	547	.02	7.80	2.95	3.31	5	16	1	14	21	1	1.8	3
RX 051659	3	126	7	192	.5	72	42	1601	9.13	4	5	ND	2	299	.2	2	4	243	6.80	.051	4	152	4.40	366	.90	8.25	2.05	.43	3	2	1	16	1	1	29.1	4
RX 051660	1	25	18	91	.2	10	7	1575	3.18	7	5	ND	7	701	.4	7	3	40	3.72	.069	20	12	.69	1053	.28	9.10	2.75	1.53	8	4	1	16	10	2	5.0	3
RX 051661	18	42	23	112	.2	5	3	953	5.22	4	5	ND	10	323	.2	4	5	200	3.07	.020	13	27	1.39	3189	.30	10.12	1.71	1.52	2	28	1	8	1	1	20.2	3
RX 051662	16	25	18	108	.2	5	1	398	2.34	4	5	ND	18	138	.2	2	9	3	1.28	.008	35	6	.10	1129	.16	6.77	2.93	1.93	2	9	4	62	24	5	2.7	15
STANDARD HFC/AU-R	22	64	40	133	7.2	94	45	1151	4.33	37	19	7	36	55	20.6	13	19	77	.50	.111	39	63	.92	240	.08	1.89	.09	.14	8	4	15	7	1	1	5.7	510

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 10ML HCLO4-HNO3-HCL-HF AT 200 DEG. C TO FUMING AND IS DILUTED TO 10 ML WITH DILUTED AQUA REGIA. THIS LEACH IS PARTIAL FOR MAGNETITE, CHROMITE, BARITE, OXIDES OF AL, ZR & MN AND MASSIVE SULFIDE SAMPLES. AU DETECTION LIMIT BY ICP IS 3 PPM.
AS, CR, SB SUBJECT TO THE LOST OF VOLATILIZATION DURING HCLO4 FUMING.
- SAMPLE TYPE: ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE. Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: JUN 30 1992 **DATE REPORT MAILED:** July 8/92 **SIGNED BY** .....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

- ACME-ANA .TICAL LABORATORIES LTD. 852 E. HASTINGS ST. NCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FA 04)253-1716

WHOLE ROCK ICP ANALYSIS

Inco Expl. & Tech. Services File # 92-1710

2690 - 666 Burrard St., Vancouver BC V6C 2X8

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	LOI %	SUM %
RX 051565	68.42	11.89	7.65	1.57	.90	.81	2.25	.44	.09	.04	.004	2841	99	164	28	14	5.3	99.90
RX 051566	3.48	1.55	62.33	.07	.06	.05	.47	.06	.02	.01	.002	1923	10	14	6	5	31.6	100.02
RX 051567	31.73	6.15	37.10	.37	.40	.46	1.56	.18	.05	.01	.003	3294	51	43	12	5	21.4	99.99
RX 051568	68.42	13.21	6.65	2.17	.94	.90	2.69	.39	.08	.05	.008	1890	143	159	19	5	4.0	99.88
RX 051569	63.37	16.13	6.66	3.10	.17	.42	3.41	.82	.13	.04	.003	835	51	125	25	5	5.5	99.93
RX 051570	69.42	10.49	8.95	1.45	1.21	.96	2.02	.35	.06	.03	.003	1094	151	123	10	5	4.7	99.88
RX 051571	67.79	15.66	4.37	.44	2.73	4.55	1.76	.16	.06	.06	.003	998	684	108	7	12	2.0	99.91
RX 051572	71.29	11.83	6.18	1.72	.99	.91	2.76	.38	.11	.04	.006	1401	130	128	20	5	3.2	99.70
RX 051573	73.34	13.70	2.62	1.77	1.47	2.07	2.35	.26	.08	.04	.004	1338	253	77	35	5	1.9	99.90
RX 051574	49.97	18.01	9.70	3.00	12.73	3.69	.65	.84	.13	.20	.006	210	502	50	21	5	.8	99.88
RX 051575	57.33	16.17	10.36	7.45	1.15	1.52	1.55	.79	.19	.10	.002	381	102	82	22	5	3.2	99.91
RX 051576	56.71	11.13	17.94	2.15	1.47	1.69	1.01	.48	.17	.04	.006	634	276	147	14	5	6.9	99.88
RX 051577	68.15	12.37	6.62	4.17	1.75	1.66	1.72	.42	.12	.06	.003	569	206	165	17	8	2.7	99.91
RX 051578	32.98	5.89	35.52	2.01	.98	.52	.42	.35	.08	.03	.003	946	71	53	9	5	20.8	99.77
RX 051579	54.09	17.50	8.58	7.39	2.96	2.65	2.78	.81	.17	.13	.007	684	241	78	19	5	2.6	99.85
RX 051580	58.06	16.99	9.07	2.76	5.52	6.06	.05	.89	.14	.18	.006	90	458	60	23	5	.3	100.10
RX 051581	74.15	3.78	12.35	.39	.68	.77	.67	.15	.04	.01	.005	4547	81	52	9	5	5.5	99.29
RX 051582	38.39	9.98	31.90	1.74	3.09	1.58	.81	.42	.23	.10	.006	3444	207	76	20	5	7.6	96.49
RX 051583	37.36	7.39	27.50	2.03	2.92	1.14	1.02	.37	.16	.10	.012	12793	391	43	12	5	12.2	94.46
RX 051584	27.46	4.95	35.38	1.37	1.78	.56	.51	.32	.18	.08	.009	26082	440	54	9	5	17.2	94.33
RX 051585	36.28	4.95	31.62	1.94	1.78	.75	.83	.30	.16	.07	.004	13190	284	46	9	5	14.4	95.39
RX 051586	30.85	5.60	36.91	1.86	2.61	.74	.67	.35	.23	.16	.005	2424	137	36	15	5	12.7	93.13
RX 051587	35.54	5.93	38.12	1.54	2.20	.94	.36	.30	.22	.08	.005	2310	134	39	16	5	9.4	95.06
RX 051588	40.15	8.87	27.26	2.44	2.94	1.30	.97	.42	.23	.10	.011	2517	195	68	20	5	12.1	97.27
RX 051589	60.26	8.57	15.60	1.93	2.05	1.25	.84	.49	.15	.09	.004	3176	164	78	17	5	6.7	98.52
RE RX 051585	35.25	4.93	32.54	1.89	1.73	.73	.83	.28	.16	.07	.004	12526	275	42	8	5	14.3	94.91
RX 051654	67.09	14.07	5.38	2.14	2.75	3.25	2.78	.48	.13	.11	.004	589	238	116	15	5	1.5	99.85
RX 051655	67.40	14.42	4.54	1.60	3.58	3.86	1.55	.41	.14	.07	.003	533	307	167	21	5	2.1	99.85
RX 051656	69.35	11.33	5.66	2.42	4.58	1.18	.97	.57	.17	.07	.019	2319	186	75	21	5	3.1	99.86
RX 051657	59.48	17.84	5.62	2.60	4.34	3.65	1.67	.71	.17	.07	.008	3805	551	103	22	5	2.9	99.84
RX 051658	73.94	14.12	1.03	.14	.95	4.33	4.36	.06	.09	.19	.043	547	127	146	25	10	.5	99.90
RX 051659	49.30	15.34	11.65	6.75	9.31	3.00	.70	1.32	.13	.18	.038	438	385	72	19	5	2.0	99.89
RX 051660	65.96	16.36	4.14	1.09	5.05	3.86	1.75	.36	.14	.18	.011	1119	859	108	19	6	.6	99.89
RX 051661	60.92	17.25	6.73	2.09	4.21	2.30	1.88	.67	.02	.11	.006	3468	396	97	14	5	3.0	99.87
RX 051662	74.83	12.25	3.20	.17	1.84	4.07	2.37	.20	.02	.05	.003	1088	170	427	79	14	.6	99.89
STANDARD SO-4	68.54	10.33	3.46	.95	1.62	1.27	2.04	.56	.20	.08	.009	798	198	313	24	15	10.4	99.68

.200 GRAM SAMPLES ARE FUSED WITH 1.2 GRAM OF LIBO2 AND ARE DISSOLVED IN 100 MLS 5% HNO3.
- SAMPLE TYPE: ROCK Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: JUN 30 1992 **DATE REPORT MAILED:** July 8/92 **SIGNED BY** ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANAL ICAL LABORATORIES LTD. 852 E. HASTINGS ST. \ COUVER B.C. V6A 1R6 PHONE(604)253-3158 FA 04)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Inco Expl. & Tech. Services File # 92-1743

2690 - 666 Burrard St., Vancouver BC V6C 2X8 Submitted by: MARK SLAUENWHITE

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 %	Al %	Na %	K %	W ppm	Zr ppm	Sn ppm	Y ppm	Nb ppm	Be ppm	Sc ppm
RX 051590	27	135	124	168	1.0	9	35	204	9.40	4	5	ND	3	73	2.3	2	7	29	.54	.027	6	10	1.16	89	.12	3.68	.60	.80	7	11	1	4	1	1	5.8
RX 051591	23	28	199	114	1.2	7	29	113	9.32	4	5	ND	4	41	3.0	2	2	23	.26	.015	9	45	1.17	70	.09	2.94	.31	.65	2	2	2	3	1	1	4.8
RE RX 051595	14	706	78	1883	1.3	5	8	133	5.24	4	5	ND	5	71	11.4	2	6	26	.38	.036	13	25	.45	81	.17	7.08	.68	2.40	8	19	1	5	3	1	8.1
RX 051592	7	52	9	87	.4	8	25	674	6.34	4	5	ND	3	286	.3	6	2	148	2.24	.080	11	9	3.13	338	.50	8.76	2.91	2.44	6	2	1	13	3	1	18.1
RX 051593	1	73	4	68	.3	18	29	609	6.90	4	5	ND	1	236	.6	2	2	242	2.12	.089	6	22	3.72	187	.34	8.75	2.82	2.00	2	1	1	3	1	1	25.0
RX 051594	1	4	20	30	.2	3	2	600	.78	4	5	ND	2	241	.2	2	2	8	.83	.007	4	2	.11	942	.05	7.64	3.26	3.20	2	17	1	9	6	1	1.9
RX 051595	14	678	80	1836	1.6	7	7	130	4.87	4	6	ND	6	70	11.2	3	5	25	.36	.034	13	24	.42	99	.16	6.79	.68	2.36	5	17	1	4	2	1	7.2
RX 051596	2	722	182	716	2.9	67	30	1635	7.61	4	5	ND	3	180	1.6	2	6	227	4.40	.085	9	37	4.90	141	.32	8.16	1.28	1.97	2	1	1	17	1	1	27.6
RX 051597	1	64	15	81	1.4	17	21	1341	7.11	5	5	ND	2	415	.2	2	2	258	3.85	.092	9	15	3.15	453	.69	9.42	2.88	1.54	2	3	1	21	1	1	30.0
RX 051598	173	4616	67	414	3.5	20	41	479	10.93	4	5	2	3	231	4.2	4	6	86	1.75	.051	11	23	1.08	89	.41	4.62	1.34	1.01	2	9	1	12	3	1	11.3
RX 051599	211	4261	69	425	3.1	22	51	466	10.70	4	5	2	4	204	4.8	6	7	82	1.68	.053	12	65	1.06	92	.40	4.28	1.18	1.06	5	9	1	13	3	1	10.6
RX 051600	77	1534	51	356	1.1	4	22	172	8.00	4	5	ND	1	61	2.7	2	5	17	.66	.030	6	7	.76	53	.08	3.03	1.02	.66	2	14	1	4	1	1	4.5
RX 051663	1	58	4	148	1.8	26	69	1938	14.14	4	5	2	3	173	.3	2	2	509	6.14	.085	7	1	3.78	134	1.56	6.77	1.40	.56	2	2	1	34	1	2	40.4
RX 051664	149	6193	1103	50	3.5	14	24	53	6.53	4	5	ND	1	96	.2	2	13	11	.61	.007	4	5	.07	86	.08	3.02	1.43	.57	2	11	2	3	4	1	2.2
RX 051665	2720	4147	77	83	2.3	14	13	109	5.69	4	5	5	3	300	.4	2	5	7	.90	.008	6	30	.13	125	.04	3.58	1.77	.39	2	3	1	2	1	1	.2
RX 051666	29	94	31	95	.6	8	18	1002	4.69	4	5	ND	9	335	.2	4	5	120	3.00	.068	21	12	1.41	573	.43	8.22	3.37	1.80	5	18	3	18	5	1	14.4
RX 051667	4	34	46	60	.2	21	48	820	8.62	4	5	ND	1	146	.2	2	2	208	1.20	.088	7	25	3.52	117	.17	7.92	2.46	1.59	2	3	1	4	1	1	18.6
RX 051668	18	41	8	31	.6	10	22	313	5.88	4	6	ND	5	86	.2	4	2	175	.39	.064	10	9	1.37	182	.17	9.06	.65	3.21	5	3	1	4	1	1	20.8
RX 051669	233	3492	209	1049	3.6	16	134	547	20.18	6	5	2	2	248	8.1	2	23	62	2.19	.043	8	28	.82	94	.27	4.79	1.42	.80	2	16	2	14	3	3	8.5
RX 051670	217	1890	42	64	.7	2	13	77	3.57	4	5	ND	2	106	.2	2	2	16	.40	.017	8	5	.20	155	.08	3.45	.93	.91	2	9	1	2	1	1	4.3
RX 051671	54	70	19	33	1.2	7	35	21	23.43	5	5	ND	1	4	.2	3	2	16	.02	.004	2	7	.08	59	.08	1.41	.06	.63	2	19	3	2	1	1	1.6
RX 051672	92	5523	100	4520	5.0	13	58	704	17.47	4	6	ND	3	80	35.3	2	5	128	1.39	.053	3	11	1.33	62	.36	5.84	1.53	2.42	7	15	1	13	1	3	18.8
RX 051673	83	2738	973	451	5.1	11	18	271	8.47	4	5	ND	2	163	3.6	4	18	48	1.05	.032	4	40	.95	84	.21	4.64	1.49	1.18	4	11	1	2	1	1	5.9
RX 051674	103	6717	234	1055	9.7	17	40	113	13.49	4	5	ND	1	69	10.8	2	17	20	.72	.013	2	8	.33	46	.09	2.51	.81	.42	2	24	1	2	1	3	3.0
RX 051675	97	2216	194	289	2.8	12	41	137	17.93	4	5	ND	2	54	4.0	2	15	28	.68	.024	4	15	.43	52	.07	1.53	.24	.29	2	10	2	7	1	1	2.2
RX 051676	122	4937	32	8915	3.5	19	124	201	26.54	4	5	2	2	42	65.1	2	14	34	.60	.014	2	8	.43	62	.14	2.19	.72	.58	2	9	1	5	1	1	4.2
RX 051677	35	209	29	174	.9	14	34	598	7.30	4	5	ND	6	202	.2	2	2	70	1.13	.055	11	47	2.05	496	.29	6.01	1.49	2.05	5	6	1	5	1	1	9.2
RX 051678	10	209	47	190	.7	14	21	1172	7.15	4	5	ND	5	139	1.7	2	5	148	2.12	.044	9	24	1.82	216	.59	6.23	1.00	1.66	2	6	3	14	7	1	18.4
RX 051679	10	200	21	203	.2	14	21	872	6.59	4	5	ND	4	190	.4	2	2	102	1.46	.064	10	15	2.95	298	.34	7.29	1.69	2.41	2	7	1	6	1	1	15.4
RX 051680	199	15496	361	806	10.2	21	14	101	6.45	4	5	3	3	111	10.6	10	14	6	.43	.011	3	11	.07	67	.03	2.21	.93	.69	5	4	1	2	1	1	.7
STANDARD HFC	22	65	43	132	7.4	95	46	1199	4.46	39	18	8	37	55	20.8	19	21	80	.53	.116	40	61	.97	237	.08	2.07	.09	.18	12	4	17	7	2	1	5.8

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 10ML HCLO4-HNO3-HCL-HF AT 200 DEG. C TO FUMING AND IS DILUTED TO 10 ML WITH DILUTED AQUA REGIA. THIS LEACH IS PARTIAL FOR MAGNETITE, CHROMITE, BARITE, OXIDES OF AL, ZR & MN AND MASSIVE SULFIDE SAMPLES. AU DETECTION LIMIT BY ICP IS 3 PPM.
AS, CR, SB SUBJECT TO THE LOST OF VOLATILIZATION DURING HCLO4 FUMING.
- SAMPLE TYPE: ROCK Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: JUL 2 1992 **DATE REPORT MAILED:** July 9/92. **SIGNED BY** ..D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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

WHOLE ROCK ICP ANALYSIS

02522-26022
MS.

Inco Expl. & Tech. Services File # 92-1743R

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	LOI %	SUM %
RX 051590	65.53	7.82	14.00	2.01	.85	.74	1.05	.25	.07	.03	.002	449	93	81	13	5	7.5	99.96
RX 051591	70.48	5.85	12.45	1.80	.37	.35	1.19	.24	.04	.02	.006	287	46	74	14	5	7.1	99.97
RX 051592	56.93	16.65	8.51	4.82	3.05	3.61	2.90	.75	.19	.09	.003	1100	333	117	18	5	2.2	99.98
RX 051593	51.83	17.98	9.78	5.98	3.00	3.60	2.13	.98	.19	.08	.005	719	295	72	18	5	4.2	99.95
RX 051594	74.69	14.01	1.03	.14	1.08	4.06	3.87	.06	.01	.08	.002	1077	262	57	10	5	.7	99.97
RX 051595	69.80	12.65	6.84	.72	.49	.79	2.78	.43	.05	.02	.005	2255	92	140	17	5	4.6	99.60
RX 051596	50.62	15.93	10.29	7.37	5.96	1.62	2.46	1.26	.19	.20	.007	754	198	101	20	5	3.7	99.79
RX 051597	51.63	18.41	9.73	4.72	5.18	3.78	2.23	1.08	.20	.17	.003	599	467	81	21	5	2.6	99.95
RX 051598	62.79	8.08	14.66	1.51	2.18	1.49	1.54	.57	.09	.06	.004	795	244	94	12	5	6.4	99.57
RX 051599	62.69	7.61	14.60	1.51	2.15	1.35	1.59	.57	.11	.06	.009	755	223	99	10	5	7.2	99.64
RX 051600	75.29	4.88	9.74	1.05	.81	1.05	.98	.16	.07	.02	.002	979	70	52	10	5	5.6	99.84
RX 051663	47.54	12.43	19.36	5.29	8.54	1.84	.73	2.71	.18	.23	.007	173	181	93	30	5	1.0	99.94
RX 051664	74.18	5.25	8.42	.10	.74	1.57	.95	.13	.01	.01	.002	2714	142	52	10	5	7.6	99.45
RX 051665	76.47	6.21	7.41	.21	1.14	1.99	.32	.07	.01	.01	.005	639	320	40	5	5	5.6	99.63
RX 051666	64.18	15.47	6.15	2.08	3.87	4.21	2.14	.59	.13	.12	.002	680	364	112	18	5	.8	99.95
RX 051667	50.84	17.13	11.76	6.11	1.69	3.09	1.94	.85	.20	.11	.005	665	177	82	15	5	6.1	99.99
RX 051668	60.92	17.61	7.46	2.28	.52	.77	3.83	.77	.11	.04	.002	1770	117	197	23	5	5.3	99.97
RX 051669	36.13	9.62	30.26	1.30	3.23	1.81	1.17	.45	.09	.07	.005	1729	367	101	14	5	15.4	99.92
RX 051670	81.60	6.17	4.39	.29	.48	1.04	1.53	.19	.02	.01	.005	831	107	65	11	5	3.9	99.80
RX 051671	47.29	2.80	29.93	.13	.02	.06	1.23	.12	.02	.01	.002	1807	10	44	5	5	18.2	100.12
RX 051672	39.69	11.01	25.80	2.08	1.94	1.83	3.11	.59	.11	.09	.002	6146	244	69	13	5	12.0	99.36
RX 051673	66.72	8.48	11.83	1.46	1.46	1.64	1.36	.34	.05	.03	.005	1174	207	72	7	5	6.0	99.63
RX 051674	63.79	4.42	18.36	.49	.96	.88	.44	.16	.03	.01	.003	889	96	51	6	5	9.9	99.62
RX 051675	56.66	3.10	23.81	.74	1.01	.30	.31	.12	.07	.02	.003	233	68	51	8	5	13.8	100.00
RX 051676	24.34	3.77	38.56	.63	.80	.75	.78	.18	.02	.02	.002	2099	111	34	5	5	28.9	99.14
RX 051677	65.63	10.50	10.10	3.24	1.62	1.61	2.10	.44	.12	.08	.007	845	230	105	16	5	4.3	99.95
RX 051678	63.98	11.48	10.32	2.93	3.07	1.12	2.00	.81	.10	.16	.006	692	162	95	21	5	3.8	99.94
RX 051679	60.10	13.65	9.34	4.82	2.00	2.02	3.54	.71	.13	.11	.003	887	225	119	21	5	3.3	99.94
RX 051680	78.53	3.82	8.49	.07	.56	.99	.93	.05	.01	.01	.002	2246	147	14	7	5	5.1	98.97
RE RX 051671	48.13	2.85	28.81	.12	.02	.07	1.28	.12	.01	.01	.002	1845	10	37	5	5	18.4	100.13

.200 GRAM SAMPLES ARE FUSED WITH 1.2 GRAM OF LIBO2 AND ARE DISSOLVED IN 100 MLS 5% HNO3.
- SAMPLE TYPE: ROCK PULP Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: NOV 24 1992 DATE REPORT MAILED: Dec 1, 92 SIGNED BY. J.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Activation Laboratories Ltd. Work Order: 4209 Report: 4183

Sample description	AU PPB	AG PPM	AS PPM	BA PPM	BR PPM	CA %	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPM	IR PPB	MO PPM	NA PPM	NI PPM	RB PPM	SB PPM	SC PPM	SE PPM	SN %	SR %	TA PPM	TH PPM
RX 051590	11	<5	4	350	<1	<1	27	<10	<2	8.73	2.1	<1	<5	18	5910	<50	<30	<0.2	5.9	11	<0.01	<0.05	<1	2.8
RX 051591	13	<5	5	190	2	<1	21	33	<2	7.94	2.3	<1	<5	16	2780	<50	<30	<0.2	5.0	9	<0.01	<0.05	<1	2.5
RX 051592	<5	<5	<2	840	<1	2	17	19	3	5.33	3.8	<1	<5	<5	27000	<50	86	<0.2	18	<5	<0.01	<0.05	<1	2.7
RX 051593	<5	<5	<2	500	<1	2	22	25	2	5.80	1.9	<1	<5	<5	26100	<50	39	<0.2	27	<5	<0.01	<0.05	<1	1.5
RX 051594	<5	<5	<2	740	<1	<1	<5	<10	<2	0.63	2.8	<1	<5	<5	30600	<50	79	<0.2	1.6	<5	<0.01	<0.05	<1	2.0
RX 051595	12	<5	<2	1700	<1	<1	5	29	<2	4.26	3.9	<1	<5	<5	6000	<50	33	<0.2	7.0	<5	<0.01	<0.05	1	5.3
RX 051596	22	<5	3	610	<1	5	19	42	<2	6.26	2.8	<1	<5	<5	11700	<50	68	0.5	28	<5	<0.01	<0.05	<1	1.5
RX 051597	<5	<5	<2	450	<1	4	14	13	<2	5.82	2.4	<1	<5	<5	26700	<50	<30	<0.2	26	<5	<0.01	<0.05	2	1.3
RX 051598	19	<5	2	560	<1	1	29	16	<2	9.53	3.0	<1	<5	99	11500	<50	31	<0.2	9.4	13	<0.01	<0.05	<1	2.5
RX 051599	16	<5	2	610	<1	<1	34	44	<2	9.12	2.8	<1	<5	120	10200	<50	51	<0.2	9.0	13	<0.01	<0.05	<1	2.5
RX 051600	22	<5	8	780	<1	<1	14	<10	<2	6.20	1.7	<1	<5	41	7880	<50	<30	<0.2	3.7	6	<0.01	<0.05	<1	2.4
RX 051663	<5	<5	<2	<100	<1	6	44	13	<2	12.7	3.0	<1	<5	<5	19900	<50	<30	0.3	37	<5	<0.02	<0.05	<1	<0.5
RX 051664	14	<5	<2	2100	<1	<1	17	<10	<2	5.19	2.2	<1	<5	84	11900	<50	<30	0.2	1.9	14	<0.01	<0.05	<1	2.1
RX 051665	9	<5	<2	410	<1	1	9	30	<2	4.71	1.1	<1	<5	1800	15100	<50	<30	<0.2	0.9	<5	<0.01	<0.05	<1	1.3
RX 051666	<5	<5	<2	470	<1	4	12	<10	<2	3.83	3.6	<1	<5	6	30700	<50	45	0.2	14	<5	<0.01	<0.05	<1	7.0
RX 051667	<5	<5	<2	570	<1	<1	33	27	<2	7.65	2.8	<1	<5	5	23500	<50	33	<0.2	26	<5	<0.01	<0.05	<1	2.3
RX 051668	<5	<5	<2	1200	<1	<1	15	<10	<2	4.68	6.1	<1	<5	8	5930	<50	36	<0.2	21	<5	<0.01	<0.05	<1	5.3
RX 051669	<5	<5	<2	1200	<1	2	95	27	<2	20.5	3.0	<1	<5	130	12800	<50	44	<0.2	7.8	20	<0.01	<0.05	<1	2.3
RX 051670	15	<5	<2	560	<1	<1	7	<10	<2	2.80	2.0	<1	<5	110	7810	<50	<30	<0.2	3.7	8	<0.01	<0.05	<1	2.6
RX 051671	<5	<5	20	1300	<1	<1	26	<10	<2	22.3	1.3	<1	<5	30	500	<50	<30	<0.2	2.2	23	<0.01	<0.05	<1	<0.5
RX 051672	<5	<5	3	4500	<1	2	41	15	<2	16.7	2.9	<1	<5	51	13900	<50	61	0.3	17	11	<0.01	<0.05	<1	2.2
RX 051673	37	<5	2	960	<1	<1	14	35	<2	7.49	2.2	<1	<5	56	12800	<50	<30	<0.2	6.1	7	<0.01	<0.05	<1	2.2
RX 051674	150	9	4	650	<1	<1	29	<10	<2	11.8	1.5	<1	<5	72	6900	<50	<30	<0.2	2.9	15	<0.01	<0.05	<1	1.7
RX 051675	17	<5	5	230	<1	<1	29	13	<2	16.3	0.9	<1	<5	59	2200	<50	<30	0.2	2.5	14	<0.01	<0.05	<1	0.6
RX 051676	26	<5	5	1600	<1	<1	86	16	<2	26.1	1.2	1	<5	80	6430	<50	<30	<0.2	4.9	42	<0.01	<0.05	<1	1.4
RX 051677	<5	<5	<2	680	<1	1	24	39	<2	5.87	2.9	<1	<5	26	11600	<50	65	<0.2	8.5	6	<0.01	<0.05	<1	2.9
RX 051678	8	<5	2	550	<1	3	18	26	<2	6.78	3.2	<1	<5	8	8990	<50	<30	<0.2	20	8	<0.01	<0.05	<1	2.8
RX 051679	<5	5	2	740	<1	2	16	16	<2	5.92	3.2	<1	<5	8	14900	<50	68	<0.2	15	<5	<0.01	<0.05	<1	4.1
RX 051680	109	7	<2	1600	<1	<1	9	<10	<2	5.29	0.7	<1	<5	140	7300	<50	<30	0.9	0.7	11	<0.01	<0.05	<1	1.6

Activation Laboratories Ltd. Work Order: 4209 Report: 4183

Sample description	U PPM	W PPM	ZN PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM	Mass g
RX 051590	1.7	<4	289	8	18	10	1.8	<0.2	<0.5	1.57	0.30	30.00
RX 051591	1.1	<4	201	9	20	10	2.5	0.4	<0.5	1.97	0.32	30.00
RX 051592	<0.5	<4	<50	13	28	14	3.5	0.9	<0.5	2.71	0.49	30.00
RX 051593	1.6	<4	118	8	19	8	2.5	1.0	<0.5	2.51	0.43	30.00
RX 051594	3.6	<4	<50	5	8	<5	1.0	<0.2	<0.5	1.54	0.28	30.00
RX 051595	2.9	4	2520	21	38	15	3.7	0.9	<0.5	2.58	0.44	30.00
RX 051596	<0.5	<4	721	11	25	10	3.9	1.3	0.9	2.62	0.38	30.00
RX 051597	<0.5	<4	77	10	22	11	3.3	1.3	0.8	3.00	0.45	30.00
RX 051598	2.5	<4	382	12	25	12	2.6	0.8	<0.5	1.33	0.25	30.00
RX 051599	1.7	<4	430	12	22	15	2.5	0.8	<0.5	1.43	0.27	30.00
RX 051600	1.2	<4	317	6	13	7	1.5	0.3	<0.5	1.41	0.16	30.00
RX 051663	<0.5	<4	187	7	19	12	4.4	1.4	0.8	3.96	0.57	30.00
RX 051664	1.4	<4	<50	6	11	<5	1.3	0.5	<0.5	1.54	0.25	30.00
RX 051665	<0.5	<4	93	5	7	19	0.9	<0.2	<0.5	0.50	0.11	30.00
RX 051666	3.9	<4	<50	22	39	11	3.4	0.9	<0.5	2.58	0.47	30.00
RX 051667	<0.5	6	<50	11	24	15	2.6	0.7	<0.5	2.29	0.41	30.00
RX 051668	<0.5	<4	<50	16	35	15	3.9	0.9	<0.5	3.98	0.60	30.00
RX 051669	5.6	<4	1130	13	25	13	2.5	0.9	<0.5	1.73	0.22	30.00
RX 051670	2.2	<4	<50	10	17	9	1.8	0.5	<0.5	1.39	0.20	30.00
RX 051671	<0.5	8	58	<1	<3	<5	0.1	<0.2	<0.5	0.83	0.09	30.00
RX 051672	5.6	<4	4330	13	21	12	2.4	0.7	<0.5	1.69	0.32	30.00
RX 051673	<0.5	<4	474	5	7	6	1.1	<0.2	<0.5	1.29	0.18	30.00
RX 051674	2.5	6	1010	3	3	6	0.5	<0.2	<0.5	0.98	0.17	30.00
RX 051675	1.8	<4	262	5	8	<5	1.2	0.4	<0.5	0.87	0.14	30.00
RX 051676	5.7	<4	9520	8	11	<5	1.3	0.6	<0.5	0.69	<0.05	30.00
RX 051677	1.3	<4	200	10	20	11	2.4	0.4	0.5	2.06	0.38	30.00
RX 051678	1.8	<4	245	11	25	9	3.3	0.9	<0.5	3.05	0.56	30.00
RX 051679	2.2	<4	181	12	26	10	2.7	0.7	1.1	2.99	0.48	30.00
RX 051680	1.4	<4	820	4	8	<5	0.8	0.2	<0.5	1.09	0.19	30.00

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GEOCHEMICAL ANALYSIS CERTIFICATE

Inco Expl. & Tech. Services PROJECT 60522 File # 92-2780 Page 1

2690 - 666 Burrard St., Vancouver BC V6C 2X8 Submitted by: C. BELL

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 %	Al %	Na %	K %	W ppm	Zr ppm	Sn ppm	Y ppm	Nb ppm	Be ppm	Sc ppm	Au* ppb
RX 121588	1	9	4	24	.3	5	3	268	1.19	4	5	ND	5	130	.2	6	2	25	1.35	.026	9	24	.29	240	.18	6.99	4.41	1.08	10	11	3	5	4	1	4.7	2
RX 121589	20	74	8	245	.6	38	7	91	2.78	4	5	ND	4	89	5.4	6	2	478	.44	.025	10	91	.22	348	.13	2.52	.87	1.32	5	11	1	6	1	1	7.1	1
RX 121590	20	2399	2783	9270	20.4	106	92	555	15.76	8	8	ND	4	119	54.2	17	19	432	2.77	.201	13	104	1.36	197	.22	3.40	.24	.54	2	11	7	26	1	6	11.7	77
RX 121591	113	3565	7934	2272	67.1	91	27	340	6.86	30	5	ND	2	244	20.4	51	92	908	4.71	1.110	28	149	.70	238	.20	3.65	.20	.70	31	23	10	76	3	3	10.2	370
RX 121592	63	3382	4343	3467	37.2	93	17	292	8.05	23	5	ND	4	183	27.8	21	59	697	2.64	.332	17	129	.58	333	.17	3.95	.29	1.24	7	18	12	59	3	1	8.6	195
RX 121593	62	5045	4263	3230	36.1	64	10	333	5.73	4	5	ND	1	143	28.5	26	50	950	2.36	.373	20	188	.48	304	.17	3.07	.23	.74	48	17	10	45	1	2	8.4	201
RX 121594	18	4085	5027	8112	43.2	46	15	363	6.91	5	5	ND	1	54	54.2	23	68	242	1.23	.173	9	74	.29	120	.07	1.39	.06	.17	3	7	12	18	1	1	3.2	109
RX 121595	23	922	538	954	5.1	58	15	550	6.17	4	5	ND	4	106	8.4	5	8	377	1.59	.113	15	43	2.40	236	.18	5.03	.28	1.54	2	28	2	19	2	1	8.8	33
RX 121596	50	6927	3265	4923	31.4	74	58	389	9.49	4	5	ND	2	195	32.2	17	38	626	4.43	.383	18	132	.93	166	.22	4.42	.17	.40	2	20	11	40	1	1	9.8	204
RX 121597	30	182	80	1332	2.6	97	6	285	2.57	4	5	ND	4	224	17.6	5	2	815	1.59	.102	19	109	.63	217	.17	4.19	.69	2.21	2	19	1	27	1	1	8.3	7
RX 121598	3	89	47	205	1.0	14	17	1105	5.58	4	5	ND	6	325	.9	2	2	269	4.03	.117	19	34	1.92	1730	.67	8.38	1.45	1.70	4	6	1	25	3	1	26.6	2
RX 121599	27	19	33	39	.3	7	1	2399	.76	4	5	ND	1	169	.3	2	3	10	.58	.011	2	4	.05	461	.02	7.27	2.61	5.35	3	10	1	14	5	2	2.2	2
RX 121600	6	93	21	109	.2	17	16	787	4.52	4	5	ND	5	448	.2	2	2	210	3.20	.066	13	52	1.46	1792	.40	9.16	2.44	1.40	2	17	1	15	1	1	23.9	1
RX 121687	9	22	15	78	.3	3	1	296	2.12	4	5	ND	11	452	.2	2	2	184	1.99	.042	27	21	1.03	3956	.23	8.36	1.65	1.57	6	20	1	4	1	1	21.8	1
RX 121688	15	59	16	115	.2	46	17	787	3.03	4	5	ND	12	387	.9	2	2	220	4.13	.135	32	35	1.41	328	.23	7.87	1.51	.81	2	16	1	17	1	1	15.3	1
RX 121689	1	45	4	107	.3	24	18	1290	5.05	6	5	ND	11	637	.4	6	2	194	5.06	.101	20	26	1.67	1905	.48	9.24	1.66	1.01	2	16	1	17	1	1	20.8	2
RX 121690	7	40	13	115	.4	25	14	710	3.13	4	5	ND	5	406	.8	2	2	194	2.57	.039	12	58	.93	621	.24	7.68	2.14	1.44	2	14	1	8	7	3	14.7	1
RX 121691	14	56	5	116	.2	46	16	988	4.00	4	5	ND	7	415	.7	5	3	212	5.70	.077	25	42	1.35	1171	.34	7.39	.44	.30	12	11	1	22	4	1	19.4	2
RX 121692	1	3	14	30	.2	1	3	278	1.10	4	5	ND	2	728	.2	5	2	14	1.58	.014	8	4	.16	4071	.08	6.98	2.83	2.71	5	6	1	2	2	1	.9	2
RX 121693	1	124	4	103	.5	1	10	1592	5.35	4	5	ND	2	425	.2	2	6	253	8.30	.093	6	1	1.54	1396	.54	10.01	2.77	.55	2	9	1	17	1	1	25.2	2
RX 121694	7	14	18	48	.3	4	2	700	1.21	4	5	ND	4	677	.2	2	3	15	2.23	.023	7	22	.22	1150	.10	8.07	3.09	2.66	5	10	1	10	9	1	2.6	1
RE RX 121690	7	37	12	108	.2	27	13	670	3.01	4	5	ND	5	396	.8	2	5	187	2.47	.036	11	57	.89	733	.23	7.68	2.07	1.31	3	15	1	7	6	3	14.8	2
RX 121695	1	79	4	89	.2	5	21	1282	5.49	4	5	ND	1	539	.2	3	4	241	4.84	.154	9	7	1.48	353	.64	9.60	4.37	.69	4	5	1	23	1	1	29.2	1
RX 121696	17	104	10	151	.5	8	10	524	2.99	4	5	ND	7	471	1.0	4	2	416	3.67	.142	25	35	1.51	1115	.47	8.15	2.24	1.30	6	8	1	32	1	1	15.8	1
RX 121697	91	76	4	1177	.2	273	10	288	3.07	4	5	ND	5	276	13.5	2	2	1394	2.27	.093	27	71	1.73	500	.30	4.42	.19	1.21	2	40	1	24	4	1	11.9	2
RX 121698	14	31	4	24	.3	21	12	108	.90	4	5	ND	3	74	.3	7	3	112	.53	.018	5	75	.30	327	.02	1.19	.07	.21	2	5	1	2	1	1	2.6	2
RX 121699	67	89	14	1580	.8	179	7	194	1.90	4	5	ND	4	85	20.9	2	2	1600	.94	.058	16	74	.67	384	.19	2.77	.40	.88	2	26	1	18	1	1	9.7	2
RX 121700	40	60	11	798	.4	93	7	206	2.25	5	5	ND	3	153	9.2	14	2	674	1.90	.064	13	39	.49	252	.22	3.31	.39	.68	2	16	1	24	2	1	10.4	2
RX 121701	68	175	14	2340	3.2	194	5	313	3.52	15	5	ND	3	133	28.7	16	2	1515	1.86	.066	21	162	1.68	133	.22	3.21	.12	.70	2	20	1	32	1	1	10.0	2
RX 121702	4	7	19	138	.2	7	1	469	1.86	4	5	ND	14	167	.3	2	6	15	.72	.005	19	30	.02	1669	.10	6.69	2.66	3.81	2	13	1	45	14	4	2.3	1
RX 121703	19	185	5	1240	2.2	191	4	1386	3.16	8	5	ND	8	153	13.0	6	2	813	8.51	.039	19	50	6.77	334	.11	5.37	.24	.28	2	22	1	25	1	1	8.9	3
RX 121704	60	94	18	1402	.7	234	6	180	1.80	4	12	ND	4	125	15.0	9	2	1024	1.53	.043	14	64	1.00	648	.20	3.02	.13	.64	3	24	1	8	1	1	7.4	1
RX 121705	12	65	5	178	.6	50	7	511	3.05	4	5	ND	3	467	1.9	2	2	284	2.91	.125	15	40	.81	189	.34	5.90	.86	1.01	3	8	1	36	1	1	15.0	1
RX 121706	3	52	4	117	.4	26	24	1448	5.76	12	5	ND	10	821	.3	2	3	247	6.14	.130	36	59	3.17	435	.49	9.25	2.90	1.01	3	6	1	21	1	1	38.0	1
RX 121707	1054	51	14	29	.2	10	6	160	1.01	4	5	ND	3	203	.2	2	2	22	1.40	.131	5	11	.22	1667	.05	3.86	.85	2.46	4	4	1	4	1	3	1.8	1
RX 121708	2	43	4	151	.8	54	37	1290	9.61	14	5	ND	2	443	.8	5	2	319	7.88	.219	18	54	3.14	1275	1.44	8.12	1.20	.30	5	20	1	33	11	1	32.8	1
RX 121709	3	107	4	122	.4	100	15	531	4.10	4	5	ND	6	245	.3	2	2	395	3.51	.277	26	153	1.48	730	.39	4.21	.68	.55	2	15	1	46	1	1	13.7	3
STANDARD HFC/AU-R	21	63	40	133	7.3	93	45	1240	4.45	37	17	7	36	61	20.5	16	21	76	.57	.119	39	64	.98	244	.08	2.13	.09	.18	9	4	16	7	1	1	5.7	460

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 10ML HCLO4-HNO3-HCL-HF AT 200 DEG. C TO FUMING AND IS DILUTED TO 10 ML WITH DILUTED AQUA REGIA. THIS LEACH IS PARTIAL FOR MAGNETITE, CHROMITE, BARITE, OXIDES OF AL, ZR & MN AND MASSIVE SULFIDE SAMPLES. AU DETECTION LIMIT BY ICP IS 3 PPM.
AS, CR, SB SUBJECT TO THE LOST OF VOLATILIZATION DURING HCLO4 FUMING.
- SAMPLE TYPE: P1 TO P2 ROCK P3 MOSS MAT AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE. Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: AUG 25 1992 DATE REPORT MAILED: Aug 31/92 SIGNED BY: C. Leong ..D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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 %	Al %	Na %	K %	W ppm	Zr ppm	Sn ppm	Y ppm	Nb ppm	Be ppm	Sc ppm	Au* ppb
RX 121710	2	33	8	109	.2	6	19	1573	5.52	4	5	ND	4	823	.2	2	2	166	5.15	.084	12	15	1.86	335	.40	9.68	2.85	1.90	2	7	1	22	8	1	19.7	3
RE RX 121714	33	3611	5928	1741	127.2	101	43	788	9.70	252	5	4	2	203	19.2	240	105	584	6.26	.577	17	77	1.98	281	.16	5.23	.18	.79	2	27	16	35	1	1	10.9	5200
RX 121711	6	489	39	116	.5	5	5	422	5.07	4	5	ND	5	31	.9	2	3	20	.09	.015	15	4	1.00	199	.14	6.99	.21	4.68	3	54	3	4	8	1	6.6	9
RX 121712	11	141	33	556	.9	81	9	370	4.58	4	5	ND	2	307	6.8	2	2	562	2.64	.345	26	119	.73	685	.17	3.75	.19	1.05	2	14	1	59	1	1	12.1	5
RX 121713	18	110	20	396	1.0	84	6	271	4.09	4	5	ND	3	223	5.0	2	2	765	2.15	.369	24	149	.78	220	.15	3.88	.19	1.39	2	19	1	62	1	1	13.7	2
RX 121714	29	3646	5584	1723	108.3	99	39	769	9.42	293	5	3	3	199	18.2	230	102	573	6.03	.559	18	80	1.90	299	.16	5.29	.17	.77	2	26	16	35	1	1	11.1	4980
RX 121715	42	5306	4361	4990	45.3	119	110	875	11.22	25	5	ND	3	337	47.8	57	34	753	5.38	.057	10	56	1.76	622	.17	4.95	.04	.23	2	23	22	32	1	1	11.4	230
RX 121716	11	145	47	408	1.0	70	13	348	3.42	4	5	ND	1	261	4.8	2	2	557	2.50	.257	18	99	1.10	180	.17	4.70	.23	1.30	2	18	1	33	1	1	19.4	9
RX 121717	19	2862	4688	13077	25.0	138	60	750	22.42	4	5	ND	3	45	69.7	10	28	238	.94	.082	5	63	.70	281	.05	1.90	.10	.47	2	14	8	12	1	1	3.2	124
RX 121718	14	134	65	515	.8	41	16	808	4.54	4	5	ND	7	379	4.3	2	2	344	4.15	.107	21	41	1.17	497	.32	7.13	1.71	1.76	2	5	1	26	1	1	19.2	12
RX 121719	14	153	41	493	.9	50	7	845	3.35	4	5	ND	2	225	8.8	3	2	688	3.88	.050	7	82	3.24	244	.51	5.87	.49	.55	2	9	1	22	1	1	28.7	1
RX 121720	10	60	21	145	.2	33	15	674	4.14	7	5	ND	8	483	.5	2	4	198	3.05	.084	22	38	1.25	880	.27	7.82	2.08	1.66	2	34	1	13	1	1	19.8	1
RX 121721	1	47	29	220	.2	110	49	1937	8.00	7	5	ND	1	294	2.7	2	2	254	6.87	.045	2	79	4.46	384	.71	8.13	.51	.45	2	3	1	23	1	1	45.4	1
RX 121722	124	14822	9554	6631	70.0	92	24	558	17.11	9	6	ND	4	221	42.3	47	85	787	4.91	1.351	37	285	.30	147	.14	2.69	.07	.05	27	22	31	107	1	7	12.1	687
RX 121723	26	201	100	895	1.3	81	7	380	3.11	6	5	ND	2	182	11.1	5	2	677	2.40	.247	16	86	.72	437	.19	4.05	.31	1.69	4	18	1	33	1	1	14.3	7
RX 121724	23	257	27	771	1.3	77	6	341	3.64	4	5	ND	4	195	10.6	2	2	657	1.94	.231	19	126	.59	263	.19	3.70	.37	1.31	2	22	1	46	1	1	12.0	6
RX 121725	24	123	56	343	.5	35	6	393	3.05	4	5	ND	3	228	3.8	2	6	481	1.73	.127	13	75	.73	240	.25	4.80	.89	1.40	2	23	1	30	1	1	19.2	1
RX 121726	29	554	1321	1097	10.7	91	9	340	3.83	8	6	ND	2	246	12.5	14	8	712	2.44	.221	13	84	.64	453	.20	4.07	.29	1.43	2	15	1	31	1	1	13.5	80
STANDARD HFC/AU-R	20	64	41	150	6.6	100	50	1294	4.43	41	19	7	36	58	19.6	16	19	78	.57	.118	39	60	.96	243	.08	2.10	.09	.16	9	4	16	8	1	1	5.5	522

Sample type: ROCK. Samples beginning 'RE' are duplicate samples.

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

WHOLE ROCK ICP ANALYSIS

Inco Expl. & Tech. Services PROJECT 60522 File # 92-2780 Page 1

2690 - 666 Burrard St., Vancouver BC V6C 2X8 Submitted by: C. BELL

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	LOI %	SUM %
RX 121588	73.45	14.71	1.29	.42	1.91	6.01	1.05	.25	.03	.03	.002	271	175	136	14	10	.7	99.94
RX 121589	83.80	4.97	3.57	.23	.59	.98	1.04	.26	.03	.01	.006	3780	90	68	5	5	3.7	99.85
RX 121590	52.48	6.24	22.49	2.12	3.83	.28	.55	.33	.44	.07	.013	1236	133	114	21	5	8.4	97.49
RX 121591	68.39	5.96	8.25	.99	6.26	.22	.51	.25	2.33	.04	.016	2127	240	142	61	5	4.9	98.53
RX 121592	70.22	6.44	9.95	.83	3.33	.31	1.08	.23	.69	.03	.013	3753	197	127	46	5	4.7	98.51
RX 121593	74.66	5.18	7.63	.73	3.15	.23	.84	.21	.82	.04	.020	2429	148	112	37	5	4.4	98.36
RX 121594	80.60	2.05	7.75	.34	1.47	.06	.17	.07	.37	.04	.002	357	45	47	12	11	4.7	97.70
RX 121595	70.58	8.57	7.59	3.64	2.02	.29	1.28	.25	.24	.06	.005	1881	101	128	22	5	4.7	99.58
RX 121596	61.73	8.06	13.09	1.44	6.33	.20	.40	.32	.87	.05	.019	1147	201	139	35	5	5.3	98.05
RX 121597	77.17	8.06	3.59	1.01	2.18	.77	1.89	.26	.25	.04	.007	4850	232	144	25	5	3.4	99.50
RX 121598	60.57	15.22	7.90	2.96	5.43	1.79	1.63	1.02	.25	.15	.006	1936	301	75	23	9	2.6	99.90
RX 121599	75.44	13.75	.78	.01	.73	3.35	4.96	.02	.03	.29	.002	459	159	17	18	5	.5	99.95
RX 121600	61.35	17.58	5.96	2.43	4.39	3.21	.95	.66	.15	.10	.005	2157	434	55	16	18	2.7	99.91
RX 121687	66.32	17.72	3.03	1.61	2.52	1.91	1.44	.58	.10	.03	.002	5302	408	73	17	22	3.7	99.93
RX 121688	66.58	14.37	4.02	2.14	5.54	1.77	.55	.49	.31	.09	.002	2376	373	94	21	22	3.6	99.93
RX 121689	59.38	17.25	7.26	2.57	6.90	2.03	.89	.78	.26	.16	.002	2200	596	80	16	22	2.0	99.94
RX 121690	70.36	13.79	3.92	1.44	3.28	2.53	1.27	.45	.08	.08	.004	2587	375	40	13	29	2.2	99.90
RX 121691	68.18	12.78	4.91	1.99	7.62	.48	.10	.49	.17	.11	.002	1266	380	46	18	18	2.8	99.90
RX 121692	74.17	13.98	1.16	.14	2.16	3.64	2.82	.12	.04	.03	.002	4131	732	127	5	5	.9	99.97
RX 121693	51.51	18.78	7.73	2.39	11.99	3.68	.41	.86	.21	.20	.002	1731	412	34	14	23	1.8	99.91
RX 121694	73.14	14.84	1.24	.26	2.83	3.90	2.62	.14	.04	.08	.002	1184	634	120	9	7	.6	99.98
RE RX 121690	70.84	13.55	3.96	1.44	3.22	2.50	1.19	.46	.08	.08	.002	2583	366	36	13	28	2.1	99.91
RX 121695	55.25	18.45	7.80	2.35	6.79	6.06	.62	1.02	.37	.16	.002	399	510	58	21	23	.9	99.91
RX 121696	63.97	15.15	4.40	2.42	4.99	2.82	1.17	.72	.33	.06	.002	1542	439	115	29	8	3.5	99.86
RX 121697	77.15	7.91	3.96	2.66	3.07	.19	1.02	.54	.23	.03	.003	1354	243	120	22	5	2.4	99.44
RX 121698	94.68	1.97	.87	.35	.70	.07	.05	.12	.05	.01	.005	217	65	10	5	5	1.2	100.07
RX 121699	83.50	5.10	2.48	1.04	1.24	.43	.54	.36	.14	.02	.002	2732	76	112	20	5	4.0	99.34
RX 121700	81.35	6.10	3.17	.75	2.53	.42	.47	.29	.16	.02	.002	2156	143	120	21	5	4.0	99.66
RX 121701	75.44	5.48	4.11	2.63	2.50	.11	.50	.31	.18	.04	.014	2170	127	132	30	5	7.4	99.12
RX 121702	75.01	12.39	2.79	.01	.93	3.33	4.20	.16	.03	.06	.002	1671	152	216	47	8	.7	99.94
RX 121703	55.73	9.16	4.05	14.36	11.33	.24	.05	.21	.11	.16	.003	653	135	123	25	5	4.0	99.55
RX 121704	81.65	5.61	1.76	1.55	2.04	.12	.53	.32	.12	.02	.005	1053	111	111	16	5	5.4	99.33
RX 121705	73.38	10.14	4.01	1.29	3.90	.97	.49	.48	.30	.06	.004	2923	441	75	32	5	4.3	99.89
RX 121706	52.16	17.77	8.25	5.10	8.74	3.91	.97	.84	.34	.18	.010	541	768	71	20	26	1.4	99.87
RX 121707	84.46	7.17	1.01	.24	1.86	.96	2.69	.06	.30	.02	.002	1562	175	5	5	5	.8	99.86
RX 121708	45.38	16.16	13.76	5.02	11.75	1.55	.05	2.75	.53	.17	.008	1654	419	169	30	17	2.4	99.84
RX 121709	75.15	7.68	5.12	2.27	4.83	.72	.30	.54	.65	.06	.014	1022	209	95	40	5	2.3	99.85
STANDARD SO-4	69.17	10.27	3.26	.90	1.53	1.29	2.08	.56	.21	.08	.006	799	202	309	23	14	10.4	99.96

.200 GRAM SAMPLES ARE FUSED WITH 1.2 GRAM OF LIBO2 AND ARE DISSOLVED IN 100 MLS 5% HNO3.
- SAMPLE TYPE: P1 TO P2 ROCK P3 MOSS MAT
Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: AUG 25 1992 DATE REPORT MAILED: Sept 3/92 SIGNED BY: C. Leong

D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	LOI %	SUM %
RX 121710	58.72	16.90	7.48	2.84	6.80	3.67	1.70	.65	.16	.17	.006	393	719	87	18	27	.7	99.97
RE RX 121714	55.92	8.39	13.04	2.88	8.73	.24	.98	.26	1.28	.08	.011	1405	191	100	29	5	6.4	98.49
RX 121711	71.30	11.80	5.91	1.46	.11	.27	3.38	.18	.01	.04	.002	1126	25	149	26	11	5.2	99.87
RX 121712	77.58	5.90	5.26	1.08	3.57	.30	1.21	.27	.76	.04	.009	2346	248	68	46	5	3.3	99.72
RX 121713	75.24	6.25	5.43	1.17	2.91	.32	1.28	.30	.83	.03	.016	2458	195	71	53	5	5.5	99.73
RX 121714	55.60	8.73	12.83	2.94	8.90	.33	.85	.27	1.34	.09	.011	1420	194	100	30	5	6.4	98.57
RX 121715	51.61	8.69	15.15	2.81	8.15	.16	.35	.28	.12	.10	.008	1368	314	97	28	5	10.1	97.81
RX 121716	70.52	8.97	5.18	1.92	3.86	.41	1.13	.46	.65	.04	.012	2453	280	76	41	5	6.1	99.72
RX 121717	44.35	3.54	34.83	1.11	1.38	.24	.55	.09	.22	.08	.014	983	52	48	12	5	9.9	96.49
RX 121718	61.78	13.60	6.81	2.09	6.56	2.48	1.81	.54	.26	.10	.008	2885	373	83	24	9	3.1	99.69
RX 121719	64.03	10.56	5.26	5.65	5.88	.73	.58	.85	.12	.10	.053	628	213	57	20	9	5.7	99.66
RX 121720	61.41	16.97	5.96	2.23	4.72	2.95	1.73	.66	.19	.09	.006	2599	503	78	21	30	2.4	99.83
RX 121721	44.74	15.87	11.49	11.92	10.82	.79	.55	1.31	.16	.23	.014	476	281	177	25	8	1.8	99.84
RX 121722	45.66	5.27	26.09	.46	7.96	.17	.32	.24	3.55	.07	.049	289	198	78	96	5	6.3	96.23
RX 121723	77.28	7.48	3.98	1.16	3.49	.41	1.57	.35	.57	.04	.007	2931	176	80	32	5	2.7	99.57
RX 121724	77.76	6.72	5.17	.92	2.71	.46	1.39	.30	.54	.04	.015	3098	192	77	37	5	3.0	99.59
RX 121725	72.83	8.46	3.73	1.15	2.37	1.07	1.49	.47	.28	.04	.006	3057	216	96	29	5	7.3	99.76
RX 121726	76.38	6.81	5.21	.96	3.32	.35	1.42	.31	.47	.03	.007	3489	222	75	27	5	3.5	99.40
STANDARD SO-4	68.87	10.45	3.25	.91	1.58	1.31	2.11	.54	.20	.08	.007	820	195	315	22	14	10.4	99.92

Sample type: ROCK. Samples beginning 'RE' are duplicate samples.

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Inco Expl. & Tech. Services PROJECT 60522 File # 92-2780 Page 3

2690 - 666 Burrard St., Vancouver BC V6C 2X8 Submitted by: C. BELL

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
SX 138803	13	11	4	42	.1	4	1	61	1.78	2	5	ND	1	23	.3	2	2	82	.17	.020	5	8	.19	56	.06	3	.69	.02	.12	1	1
SX 138804	6	11	4	45	.2	5	1	79	1.95	3	5	ND	2	10	.2	2	3	69	.14	.018	8	8	.22	56	.06	2	.67	.02	.09	1	1
SX 138805	7	42	32	119	.6	11	13	1055	3.81	8	11	ND	5	29	1.0	4	2	65	.32	.040	12	9	.32	106	.05	2	1.20	.03	.11	1	9
SX 138806	1	21	4	34	.1	5	6	266	1.90	2	5	ND	2	21	.2	4	2	38	.22	.017	4	5	.42	56	.12	2	.93	.03	.25	1	6
SX 138807	4	36	2	77	.1	18	7	166	3.10	2	5	ND	3	32	.5	2	2	71	.50	.076	8	24	.58	255	.12	2	1.45	.07	.24	1	1
STANDARD C	19	63	37	138	7.4	79	31	1084	4.16	41	18	7	40	54	18.8	14	20	61	.50	.088	39	60	.91	187	.09	35	1.97	.08	.17	11	-

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.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: P1 TO P2 ROCK P3 MOSS MAT AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: AUG 25 1992 **DATE REPORT MAILED:** Sept 3/92 **SIGNED BY.** .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Inco Expl. & Tech. Services File # 92-2987 Page 1

2690 - 666 Burrard St., Vancouver BC V6C 2X8 Submitted by: CAMERON BELL

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 %	Al %	Na %	K %	W ppm	Zr ppm	Sn ppm	Y ppm	Nb ppm	Be ppm	Sc ppm	Au* ppb
RX 121727	3	1	12	132	.2	5	1	538	2.81	4	5	ND	16	199	.2	2	2	1	.88	.007	55	4	.03	1820	.16	6.86	2.80	3.38	2	7	2	99	3	2	3.0	2
RX 121728	39	65	10	1013	.2	38	4	379	1.76	4	5	ND	2	104	15.6	3	2	724	1.77	.019	9	37	.52	1456	.14	2.94	.43	.50	2	14	1	13	1	1	8.9	3
RX 121729	97	69	9	535	.6	295	8	202	2.74	4	5	ND	3	86	6.1	2	2	801	1.42	.040	18	69	1.14	282	.15	3.28	.29	.71	2	23	1	13	1	1	8.2	3
RX 121730	36	183	16	2311	3.7	165	13	647	5.17	4	11	ND	8	387	29.0	3	2	1100	4.11	.188	35	145	2.88	800	.38	6.82	.35	1.23	2	12	1	52	1	1	26.4	2
RE RX 121729	89	68	5	536	.7	284	7	187	2.68	4	5	ND	4	87	6.1	6	2	737	1.41	.041	18	68	1.13	268	.14	3.26	.27	.71	3	22	1	13	1	1	8.2	1
RX 121731	47	107	13	2019	.7	109	7	194	2.04	4	5	ND	2	147	33.7	6	2	952	1.37	.029	6	42	.63	290	.12	3.44	1.09	.78	2	15	1	8	1	1	9.8	8
RX 121732	31	36	6	379	.2	50	3	291	1.86	4	5	ND	2	253	5.6	2	2	416	2.19	.058	8	31	.56	1928	.15	3.44	.62	.79	2	8	1	18	1	1	6.1	2
RX 121733	67	122	17	2376	.6	251	7	186	2.19	4	9	ND	4	149	27.7	8	2	1483	.66	.057	17	79	.82	443	.14	2.60	.13	.91	4	19	1	15	1	1	7.0	2
STANDARD HFC	20	64	40	129	7.3	94	45	1183	4.30	38	20	7	35	56	20.5	16	20	77	.52	.116	39	64	.97	248	.08	1.98	.10	.17	11	4	18	7	1	1	5.8	1

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 10ML HCLO4-HNO3-HCL-HF AT 200 DEG. C TO FUMING AND IS DILUTED TO 10 ML WITH DILUTED AQUA REGIA. THIS LEACH IS PARTIAL FOR MAGNETITE, CHROMITE, BARITE, OXIDES OF AL, ZR & MN AND MASSIVE SULFIDE SAMPLES. AU DETECTION LIMIT BY ICP IS 3 PPM.
AS, CR, SB SUBJECT TO THE LOST OF VOLATILIZATION DURING HCLO4 FUMING.
- SAMPLE TYPE: P1 ROCK P2 MOSS MAT AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE. Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: SEP 8 1992 **DATE REPORT MAILED:** Sept 18/92 **SIGNED BY** ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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

WHOLE ROCK ICP ANALYSIS

Inco Expl. & Tech. Services File # 92-2987 Page 1

2690 - 666 Burrard St., Vancouver BC V6C 2X8 Submitted by: CAMERON BELL

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	LOI %	SUM %
RX 121727	74.67	12.19	3.20	.01	1.21	3.43	3.75	.22	.06	.06	.002	2109	178	488	85	5	.7	99.95
RX 121728	85.54	4.80	2.51	.50	2.29	.44	.68	.21	.06	.04	.008	1581	89	43	13	5	2.2	99.56
RX 121729	80.32	5.37	3.26	1.51	1.79	.30	.86	.36	.14	.02	.011	1029	76	97	22	7	5.5	99.64
RX 121730	60.58	11.91	6.81	4.06	5.08	.42	1.43	.59	.46	.08	.020	1626	374	76	47	5	7.4	99.18
RE RX 121729	80.45	5.31	3.23	1.50	1.76	.28	.84	.34	.10	.02	.008	1025	76	94	18	6	5.6	99.64
RX 121731	82.22	6.43	2.71	.69	1.77	1.15	.86	.27	.09	.02	.007	2582	141	51	14	5	2.6	99.28
RX 121732	83.43	6.15	2.50	.51	2.74	.65	.94	.18	.14	.03	.003	1734	228	45	15	5	2.2	99.80
RX 121733	84.03	4.04	2.65	.90	.77	.11	.89	.29	.14	.02	.009	2344	124	76	20	8	4.9	99.18
STANDARD SO-4	68.57	10.61	3.43	.94	1.57	1.31	2.04	.55	.20	.08	.008	802	199	304	23	13	10.4	99.91

.200 GRAM SAMPLES ARE FUSED WITH 1.2 GRAM OF LIBO2 AND ARE DISSOLVED IN 100 MLS 5% HNO3.
- SAMPLE TYPE: P1 ROCK P2 MOSS MAT Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: SEP 8 1992 DATE REPORT MAILED: Sept 18/92 SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Inco Expl. & Tech. Services File # 92-2987 Page 2

2690 - 666 Burrard St., Vancouver BC V6C 2X8 Submitted by: CAMERON BELL

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
SX 138808	6	10	9	36	.2	6	1	131	1.81	2	5	ND	5	19	.2	2	2	65	.21	.018	6	8	.23	52	.05	2	.73	.03	.09	1	2
SX 138813	4	12	16	51	.2	4	3	355	1.99	3	5	ND	1	33	.2	2	2	53	.30	.030	5	6	.28	65	.07	2	.89	.03	.09	1	3
SX 138814	1	1	4	16	.1	2	2	133	.94	2	5	ND	1	35	.2	2	2	19	.22	.016	2	2	.17	30	.06	2	.44	.03	.05	1	3
SX 138815	1	1	2	16	.1	1	2	126	1.10	2	5	ND	1	46	.2	2	2	21	.27	.031	2	2	.20	45	.06	2	.51	.03	.09	1	2
RE SX 138814	1	1	4	15	.1	1	2	124	.92	2	5	ND	1	33	.2	2	2	19	.22	.016	2	1	.17	28	.06	2	.42	.03	.07	1	2
STANDARD C	19	61	38	133	7.3	75	31	1064	3.96	41	17	7	41	53	18.6	15	21	59	.50	.087	41	61	.95	184	.09	35	2.02	.08	.16	11	-

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.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: P1 ROCK P2 MOSS MAT AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.
Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: SEP 8 1992 **DATE REPORT MAILED:** Sept 18/92 **SIGNED BY**.....C. Leong.D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Inco Expl. & Tech. Services File # 92-3732 Page 1

2690 - 666 Burrard St., Vancouver BC V6C 2X8

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 %	Al %	Na %	K %	W ppm	Zr ppm	Sn ppm	Y ppm	Nb ppm	Be ppm	Sc ppm	Au* ppb
RX 051901	8	57	11	603	.9	76	7	387	3.51	4	5	ND	3	161	7.1	6	2	562	2.03	.057	11	128	.50	281	.24	4.18	.23	1.14	2	11	1	26	1	1	10.7	5
RX 051902	10	167	15	428	1.2	75	17	742	3.66	4	5	ND	1	103	7.4	2	2	251	1.64	.076	3	68	.64	142	.13	5.92	.74	2.28	2	36	1	16	1	1	13.5	4
RX 051903	13	149	4	531	1.2	96	10	462	6.19	10	5	ND	1	72	9.7	2	2	797	2.20	.162	10	96	.84	136	.20	6.15	.76	1.12	2	31	1	63	1	1	17.1	3
RX 051904	24	151	14	1250	3.3	153	7	292	5.79	25	5	ND	2	124	16.5	7	2	917	2.01	.157	13	213	.85	140	.11	5.47	.35	.93	2	36	1	43	1	2	11.3	2
RX 051905	43	46	10	643	.2	20	2	115	1.08	4	5	ND	1	68	6.3	2	2	651	.48	.023	6	30	.21	2053	.08	2.59	.49	.57	2	21	1	6	1	1	6.6	1
RX 051906	31	40	11	337	1.1	51	3	256	1.89	4	6	ND	7	178	7.4	3	2	568	1.12	.051	14	79	.25	419	.16	3.01	1.10	.77	2	15	1	38	2	1	5.9	1
RX 051907	39	108	5	1934	1.2	174	6	244	4.75	12	5	ND	1	453	21.2	2	2	782	.61	.137	7	174	1.01	77	.12	3.70	.11	2.18	2	27	1	16	1	1	8.5	1
RX 051908	12	69	6	57	.8	17	4	273	2.52	4	5	ND	2	112	.9	2	2	459	1.37	.046	11	65	.89	623	.11	5.55	1.48	.88	2	23	1	9	1	1	14.6	1
RX 051909	32	53	7	1355	.9	46	3	610	1.26	4	5	ND	2	140	20.4	4	2	743	2.37	.023	8	33	.67	879	.13	3.25	.28	.83	4	12	1	19	10	3	6.0	1
RX 051910	2	3	17	195	.2	3	1	673	3.01	4	5	ND	13	178	.6	2	3	10	1.13	.010	54	5	.02	1730	.17	7.47	2.65	3.06	2	12	2	126	21	4	3.5	1
RX 051911	3	72	8	114	.6	37	10	584	3.27	4	5	ND	3	148	1.4	2	2	211	3.01	.061	14	45	.68	234	.34	6.12	1.47	.74	2	11	1	31	4	1	16.6	3
RX 051912	11	38	13	124	.7	54	4	125	2.23	4	5	ND	2	105	1.5	9	2	569	.86	.026	7	104	.20	709	.12	2.91	.52	.76	2	24	1	14	1	1	7.0	2
RX 051913	27	1225	1789	568	40.9	83	15	420	4.48	266	8	ND	4	155	8.7	96	42	712	3.37	.470	24	100	.67	1343	.16	5.00	.25	1.24	2	25	9	43	1	1	11.6	1610
RX 051914	21	119	54	446	1.9	98	7	263	3.63	18	5	ND	4	190	5.8	2	2	761	2.25	.406	26	135	.57	831	.13	3.66	.22	.79	2	22	1	57	1	1	9.5	14
RX 051915	44	78	6	1466	.4	75	4	99	1.15	4	5	ND	1	56	21.4	5	2	739	.41	.018	10	35	.22	1158	.08	2.07	.51	.79	2	22	1	6	1	1	6.4	1
RX 051916	5	50	16	208	.6	37	6	556	4.46	10	5	ND	4	170	2.4	2	2	258	2.66	.073	15	58	.92	491	.23	5.22	.28	.93	2	14	1	27	1	1	11.1	11
RX 051917	41	65	10	315	.3	53	4	209	2.10	4	5	ND	2	148	4.7	2	2	800	2.07	.024	8	48	.24	1368	.21	3.41	.25	.39	2	24	1	22	5	1	8.3	3
RX 051918	137	5	13	106	.2	3	1	592	2.82	4	5	ND	8	180	.3	2	2	15	1.14	.010	19	7	.04	1900	.20	6.15	2.39	3.35	2	6	3	70	19	2	3.3	1
RX 051919	64	74	9	416	.8	212	6	224	2.37	4	5	ND	2	120	3.8	2	2	699	1.28	.038	16	59	.85	242	.22	3.27	.19	.83	2	21	1	28	3	1	8.4	2
RE RX 051915	42	80	8	1456	.2	76	5	98	1.18	4	5	ND	1	63	22.2	3	2	679	.44	.017	9	34	.23	1200	.07	2.25	.51	.78	2	21	1	6	1	1	7.1	2
RX 051920	29	35	10	507	.6	17	2	135	.94	4	5	ND	2	73	8.5	3	2	537	.60	.019	8	26	.26	2636	.11	2.10	.30	.57	2	8	1	16	1	1	5.4	1
RX 051921	62	82	6	5294	2.1	167	6	460	1.94	4	5	ND	3	153	64.4	2	2	1113	2.78	.188	15	155	1.25	384	.16	2.88	.34	.34	5	10	1	41	1	1	8.3	1
RX 051922	2	14	17	43	.2	6	3	222	.92	4	5	ND	1	747	.2	2	2	18	1.47	.006	4	6	.09	6291	.08	6.03	2.43	3.65	2	1	1	2	1	1	.4	1
RX 051923	30	43	9	1144	.2	56	3	659	2.04	4	5	ND	1	116	13.7	2	2	611	2.10	.019	7	26	.70	1599	.10	3.29	.62	.61	2	8	1	19	9	1	4.3	1
RX 051924	15	111	4	462	1.4	84	12	346	3.68	4	5	ND	2	158	7.9	2	2	487	2.13	.096	12	67	.98	198	.17	4.80	1.06	.84	2	16	1	30	1	1	11.4	1
RX 051925	2	15	14	82	.2	3	3	365	1.14	4	5	ND	2	378	1.0	2	2	25	1.90	.023	6	5	.19	1703	.06	6.78	2.78	2.57	2	18	1	7	1	1	1.9	1
RX 051926	34	29	7	2447	.4	67	2	252	1.22	4	5	ND	1	97	37.8	2	2	766	1.46	.020	7	33	.51	1547	.09	1.86	.14	.25	2	6	1	14	2	1	4.5	1
RX 051927	48	130	12	1949	1.2	215	6	163	2.39	4	5	ND	1	79	20.8	2	2	926	.61	.028	11	81	.28	153	.10	2.39	.40	.56	2	15	1	11	1	1	7.1	4
RX 051928	36	96	10	2197	.8	87	4	235	1.49	4	5	ND	2	105	33.6	15	3	986	1.58	.049	11	35	.25	295	.13	3.08	.21	.69	2	10	1	22	3	1	7.1	4
RX 051929	13	48	15	956	.2	31	4	524	2.33	4	5	ND	1	712	12.2	2	2	379	2.46	.054	12	13	.55	1403	.20	6.94	2.54	.72	2	14	1	18	2	1	5.7	5
RX 051930	22	127	11	1159	.8	95	4	210	5.18	16	5	ND	1	79	12.5	8	2	631	.84	.199	15	114	.25	189	.07	2.31	.18	.46	2	22	1	45	1	1	5.8	2
RX 051931	21	138	11	1020	3.4	108	9	352	8.06	50	5	ND	3	148	15.8	13	4	1058	1.68	.223	16	234	.83	105	.11	5.96	.61	1.14	2	41	1	44	1	1	11.8	3
RX 051932	5	65	4	181	1.1	45	8	432	4.20	4	5	ND	4	129	2.1	2	2	284	2.52	.076	17	85	.69	637	.19	5.40	.36	1.10	2	23	1	26	1	1	11.0	3
RX 051933	2	22	4	33	.2	80	1	49	1.56	4	5	ND	1	5	.2	2	2	29	.05	.006	2	16	.02	143	.01	.15	.01	.01	2	1	1	1	1	1	.3	2
RX 051934	7	232	7	835	5.0	134	27	951	7.45	4	5	ND	3	432	9.9	2	2	733	5.10	.220	23	201	2.50	182	.50	8.92	.82	1.37	2	16	1	48	2	1	39.5	2
RX 051935	16	52	5	700	.9	29	3	959	1.26	4	5	ND	1	142	10.2	3	3	436	4.41	.021	9	23	1.62	901	.10	2.44	.17	.18	2	8	1	12	1	1	4.4	3
RX 051936	1	13	17	140	1.3	7	1	76	.66	4	5	ND	1	228	1.7	2	3	24	.83	.005	4	9	.09	2036	.04	5.51	2.02	1.96	2	22	1	2	7	2	.9	2
STANDARD HFC/AU-R	20	64	40	138	7.3	94	46	1247	4.46	41	17	7	36	55	20.3	16	19	77	.54	.114	37	62	.99	237	.09	2.11	.09	.17	10	4	15	8	1	1	5.8	460

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 10ML HCLO4-HNO3-HCL-HF AT 200 DEG. C TO FUMING AND IS DILUTED TO 10 ML WITH DILUTED AQUA REGIA. THIS LEACH IS PARTIAL FOR MAGNETITE, CHROMITE, BARITE, OXIDES OF AL, ZR & MN AND MASSIVE SULFIDE SAMPLES. AU DETECTION LIMIT BY ICP IS 3 PPM.
AS, CR, SB SUBJECT TO LOSS BY VOLATILIZATION DURING HCLO4 FUMING.
- SAMPLE TYPE: P1 TO P3 ROCK P4 MOSS MAT AU* ANALYSIS BY ACID LEACH/AA FROM 20 gm SAMPLE. Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: OCT 21 1992 **DATE REPORT MAILED:** Oct 30/92 **SIGNED BY** ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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 %	Al %	Na %	K %	W ppm	Zr ppm	Sn ppm	Y ppm	Nb ppm	Be ppm	Sc ppm	Au* ppb
RX 051937	105	105	12	96	1.8	320	12	183	5.24	4	5	ND	4	111	.2	3	2	331	1.56	.044	15	87	.41	419	.25	3.24	.08	.72	2	50	1	24	11	1	7.0	6
RX 051938	29	90	18	251	1.0	85	12	506	3.89	4	5	ND	3	221	3.8	4	2	595	4.51	.083	13	50	.48	245	.37	6.32	.41	.66	3	20	1	42	3	1	16.5	2
RX 051939	5	93	17	219	.9	46	17	1147	5.29	4	5	ND	4	391	1.9	3	2	346	4.81	.123	17	88	1.19	247	.41	7.57	1.63	1.11	2	4	1	31	2	1	19.6	2
RX 051940	2	30	150	7798	9.4	10	1	382	.62	8	5	ND	1	6	100.8	53	2	20	.08	.002	2	16	.02	79	.01	.14	.04	.01	2	1	1	1	1	1	.4	100
RX 051941	22	176	27	874	2.7	97	8	276	4.31	6	5	ND	3	135	12.2	5	2	552	2.03	.289	15	155	.22	229	.09	2.66	.12	.38	2	12	1	28	1	1	5.2	12
RX 051942	1	8	15	22	.2	4	2	281	.48	4	5	ND	3	212	.2	2	2	22	1.72	.006	3	5	.08	1161	.04	9.37	3.40	3.53	2	15	1	15	12	2	2.5	1
RX 051943	40	52	15	1070	.3	38	2	180	1.39	4	5	ND	1	89	16.3	8	2	698	1.04	.021	7	42	.41	717	.13	2.45	.35	.55	2	7	1	13	1	1	6.4	1
RX 051944	24	13	5	128	.2	14	1	57	.97	4	5	ND	1	14	1.6	2	2	223	.11	.010	4	21	.14	679	.04	.86	.10	.21	2	14	1	2	1	1	3.2	1
RX 051945	35	7	4	21	.3	6	1	65	1.28	4	5	ND	1	41	.2	7	2	459	.20	.010	4	67	.15	1180	.06	1.58	.32	.52	2	17	2	3	1	1	4.2	1
RX 051946	16	7	6	21	.2	2	1	108	1.04	4	5	ND	1	35	.2	4	3	246	.47	.011	3	12	.16	313	.07	.95	.12	.13	2	9	2	4	1	1	2.5	1
RX 051947	30	80	6	865	.4	62	7	341	2.41	4	5	ND	2	286	11.9	2	2	500	3.02	.429	14	40	.46	148	.29	4.84	.89	.72	2	13	1	32	2	1	12.4	1
RX 051948	9	39	17	219	.2	21	3	149	1.81	4	5	ND	1	250	3.5	2	2	114	1.46	.023	2	14	.15	343	.05	6.18	1.40	2.80	2	26	1	7	3	1	2.9	1
RX 051949	10	17	11	12	.2	12	2	64	.91	5	5	ND	1	5	.2	2	3	20	.03	.001	2	91	.01	31	.01	.10	.02	.02	2	2	2	1	1	1	.4	1
RX 051950	2	12	15	14	.2	3	1	114	.49	4	5	ND	1	333	.2	2	2	6	1.48	.002	2	5	.05	1331	.03	6.98	2.99	2.40	2	10	1	2	6	1	.5	1
RX 051951	1	63	31	95	.3	47	26	1290	6.12	4	5	ND	3	552	.2	2	2	188	4.60	.088	15	112	2.33	643	.60	9.28	2.81	1.20	2	8	1	20	4	1	22.2	1
RX 051952	1	212	280	1129	2.1	16	28	15496	5.74	4	6	ND	1	141	3.3	6	2	256	2.38	.078	14	12	.88	189	.37	9.11	.51	3.84	2	6	1	22	1	1	19.4	6
RX 051953	6	13	7	17	.2	8	2	193	.74	4	5	ND	1	73	.2	2	2	10	.22	.003	2	75	.06	345	.03	.82	.19	.19	2	1	1	1	1	1	.9	1
RX 051954	3	78	16	128	.7	40	6	736	4.70	4	5	ND	1	141	.7	2	3	302	2.78	.127	9	68	1.10	148	.21	4.81	.40	.77	2	9	1	32	2	1	11.0	3
RE RX 051950	1	9	12	16	.2	4	1	126	.51	4	5	ND	1	307	.2	2	3	7	1.40	.003	2	6	.06	1341	.03	6.92	2.99	2.38	2	8	1	2	6	1	.6	1
RX 051955	2	15	4	1	.2	7	1	67	.42	4	5	ND	1	4	.2	2	2	1	.03	.001	2	13	.01	24	.01	.11	.03	.01	2	1	1	1	1	1	.2	1
RX 051956	1	748	17	171	.6	11	6	560	5.18	8	5	ND	3	28	.2	2	3	15	.10	.008	6	6	1.57	463	.08	5.57	.17	1.76	2	21	1	4	3	1	4.4	32
RX 051957	53	750	101	1870	2.8	183	7	376	2.88	4	5	ND	4	154	20.6	2	3	1043	2.28	.133	29	244	1.25	174	.22	4.54	.18	.83	2	19	1	53	2	1	9.2	3
RX 051958	34	150	8	2425	2.5	144	5	338	2.61	4	5	ND	2	141	30.4	2	2	872	1.48	.171	15	263	.81	210	.17	2.81	.11	.58	2	11	1	61	1	1	7.5	1
RX 051959	20	117	79	524	4.1	91	4	152	3.57	4	7	ND	4	190	6.7	2	2	767	1.30	.229	19	139	.27	211	.08	3.06	.13	.91	4	24	1	37	1	1	7.8	18
RX 051960	5	15	4	12	.2	9	1	47	1.34	4	5	ND	1	6	.2	3	2	73	.04	.005	2	18	.10	124	.01	.30	.01	.03	2	2	1	1	1	1	1.3	1
RX 051961	19	94	5	304	.8	57	6	484	2.75	4	5	ND	2	230	4.1	2	2	534	3.92	.105	13	118	.97	267	.23	4.89	.17	.31	2	12	1	29	1	1	11.1	2
RX 051962	5	96	7	167	1.8	58	8	622	3.83	4	5	ND	3	131	1.5	2	2	315	3.15	.132	17	75	1.45	145	.16	5.42	.41	.83	2	14	1	41	1	1	10.6	1
RX 051963	9	62	11	267	.5	39	4	108	1.42	4	5	ND	1	39	3.2	2	2	79	.37	.024	7	36	.14	191	.02	.93	.08	.11	2	5	1	7	1	1	1.1	1
RX 051964	69	64	12	352	1.3	212	5	204	2.22	4	5	ND	4	107	3.8	2	2	901	1.17	.031	16	55	.90	248	.17	3.13	.15	.73	2	21	1	15	5	1	6.5	1
RX 051965	76	120	30	1336	3.4	157	6	335	2.44	4	6	ND	6	385	13.5	9	2	1391	4.66	.041	17	113	2.20	413	.30	4.49	.15	.81	2	30	2	35	10	1	8.7	4
RX 051966	12	94	4	1774	.3	47	5	2272	2.09	4	5	ND	1	124	28.7	2	2	659	11.25	.020	2	33	5.76	110	.08	2.01	.18	.03	2	10	1	9	1	1	9.4	5
RX 051967	24	96	9	2386	1.7	147	12	142	4.31	11	5	ND	3	42	30.0	4	2	597	.37	.013	9	106	.35	47	.09	4.77	.35	.90	2	21	1	6	1	1	12.1	1
RX 051968	11	153	19	510	7.4	121	8	157	4.27	8	7	ND	5	189	6.5	19	2	921	2.42	.310	21	249	.60	84	.11	5.47	.67	1.15	4	37	1	22	1	2	11.0	5
RX 051969	28	132	18	748	1.4	53	6	147	2.06	4	5	ND	5	145	11.3	2	2	911	1.44	.053	15	96	.70	358	.22	6.22	1.02	1.88	2	47	1	14	1	2	11.5	4
RX 051970	72	82	10	1069	1.2	188	6	126	2.95	4	6	ND	1	90	10.8	5	2	586	.64	.036	9	51	.51	140	.09	2.44	.13	.56	2	27	1	9	3	1	5.5	1
RX 051971	1	3	10	46	.6	7	2	712	1.08	4	9	ND	6	341	.4	10	2	19	1.46	.018	10	9	.12	977	.09	7.37	2.89	3.45	6	8	1	7	7	1	1.3	1
RX 051972	2	37	15	56	.5	9	12	1929	3.84	4	5	ND	2	142	.3	2	5	129	1.28	.056	14	8	.44	179	.31	7.94	1.50	3.43	2	18	1	16	3	1	12.6	11
STANDARD HFC	20	62	40	133	7.2	95	45	1212	4.39	43	17	7	36	55	19.2	16	21	77	.56	.113	38	62	.95	236	.08	2.12	.10	.17	11	4	15	8	1	1	5.8	500

Standard is STANDARD HFC/AU-R. Samples beginning 'RE' are duplicate samples.

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 %	Al %	Na %	K %	W ppm	Zr ppm	Sn ppm	Y ppm	Nb ppm	Be ppm	Sc ppm	Au* ppb
RX 051973	58	71	9	946	.4	190	4	154	1.66	4	5	ND	1	73	8.8	2	4	962	1.13	.028	8	74	.90	550	.20	2.43	.05	.40	2	7	1	15	10	1	5.7	2
RE RX 051975	64	63	12	556	1.0	217	5	172	2.14	4	5	ND	3	117	5.9	4	2	1129	1.13	.039	15	81	.85	272	.21	2.82	.13	.64	2	17	1	20	10	1	6.1	1
RX 051974	30	59	10	646	.2	75	7	1041	2.58	4	5	ND	1	246	6.1	2	2	603	6.31	.036	7	44	2.78	330	.18	4.90	.59	.57	2	20	1	15	3	1	10.2	3
RX 051975	66	59	10	573	.7	226	5	170	2.21	4	5	ND	3	116	6.0	3	2	992	1.17	.041	16	85	.89	240	.22	2.84	.13	.63	2	18	1	20	12	1	6.3	1
RX 051976	27	138	17	924	2.1	114	6	217	2.73	4	5	ND	3	96	12.9	4	2	882	1.97	.558	21	201	.43	154	.12	3.21	.21	.92	6	16	1	34	1	1	9.0	6
RX 051977	14	55	16	461	.2	82	12	121	1.56	4	5	ND	5	53	5.0	2	2	484	.11	.022	13	116	.55	183	.23	4.92	.37	3.12	2	25	2	3	3	2	9.2	2
RX 051978	42	137	14	1153	2.4	143	11	244	3.31	6	6	ND	4	137	16.0	7	2	1136	1.24	.066	10	89	.71	95	.18	3.29	.65	.72	5	26	1	12	2	1	9.9	5
STANDARD HFC/AU-R	20	61	40	134	7.2	91	46	1256	4.41	42	18	7	36	54	20.5	19	19	78	.57	.116	39	62	.93	236	.09	2.12	.10	.17	9	4	15	7	1	1	5.6	450

Sample type: ROCK. Samples beginning 'RE' are duplicate samples.

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

WHOLE ROCK ICP ANALYSIS

Inco Expl. & Tech. Services File # 92-3732 Page 1

2690 - 666 Burrard St., Vancouver BC V6C 2X8

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	LOI %	SUM %
RX 051901	76.53	7.32	4.39	1.13	2.92	.29	1.46	.33	.13	.05	.012	13184	206	67	27	5	2.9	99.74
RX 051902	65.04	12.38	4.35	1.30	2.39	.97	2.74	.54	.18	.09	.009	32902	337	66	19	6	4.2	99.83
RX 051903	66.24	9.73	7.67	1.86	3.01	1.01	1.07	.46	.41	.05	.010	9234	185	76	65	7	6.6	99.73
RX 051904	66.94	8.68	7.04	1.86	2.75	.43	.87	.37	.37	.03	.025	5659	268	77	58	5	9.1	99.48
RX 051905	88.55	4.14	1.12	.25	.62	.63	.57	.20	.05	.01	.002	2123	69	54	11	5	3.2	99.72
RX 051906	82.15	6.77	2.50	.32	1.61	1.46	.70	.23	.12	.03	.007	1690	240	69	33	5	3.6	99.83
RX 051907	69.34	7.08	6.21	2.03	.95	.14	2.52	.35	.34	.03	.022	6208	924	80	52	5	9.1	99.29
RX 051908	75.99	8.68	3.43	1.95	1.86	1.95	.90	.42	.12	.03	.002	849	119	64	15	5	4.4	99.90
RX 051909	83.97	5.05	1.41	1.28	3.16	.34	.74	.17	.06	.07	.002	2136	145	33	14	5	2.9	99.54
RX 051910	72.86	12.71	3.89	.07	1.56	3.72	3.60	.23	.01	.08	.002	1907	200	336	115	15	.8	99.94
RX 051911	71.73	11.04	4.44	1.37	4.25	1.96	.57	.48	.17	.07	.003	2325	179	131	27	18	3.4	99.92
RX 051912	84.67	5.42	2.46	.24	1.20	.66	.69	.26	.09	.01	.012	6611	125	60	11	5	3.0	99.86
RX 051913	73.52	7.65	4.98	1.32	4.44	.28	1.31	.33	1.16	.05	.009	3326	171	75	34	5	3.8	99.45
RX 051914	80.04	5.69	4.76	1.16	2.96	.27	.80	.26	1.00	.03	.013	3044	201	62	46	5	2.2	99.74
RX 051915	88.51	4.01	1.33	.27	.59	.66	.73	.18	.05	.01	.003	1880	67	42	14	5	2.8	99.48
RX 051916	74.08	8.66	5.16	2.05	3.67	.32	.85	.36	.18	.07	.005	7330	195	80	23	5	3.2	99.89
RX 051917	84.65	5.87	2.73	.29	2.70	.29	.33	.35	.06	.02	.005	2077	164	65	19	5	2.1	99.78
RX 051918	73.66	12.30	3.59	.09	1.58	3.19	3.95	.27	.01	.07	.002	1932	219	306	80	15	.8	99.92
RX 051919	80.43	5.63	3.20	1.94	1.77	.24	.76	.40	.09	.03	.004	2975	141	89	22	5	4.7	99.73
RE RX 051915	88.39	4.02	1.32	.26	.58	.64	.78	.18	.05	.01	.002	1856	66	49	15	5	2.9	99.46
RX 051920	89.89	3.29	1.11	.29	.77	.38	.48	.14	.04	.01	.002	2581	75	23	12	5	2.9	99.75
RX 051921	80.02	4.33	2.87	2.21	3.59	.38	.18	.21	.45	.05	.016	1581	155	59	32	5	4.0	98.61
RX 051922	72.13	14.53	1.27	.14	2.10	3.14	4.31	.11	.02	.04	.008	6247	889	40	5	6	1.0	99.97
RX 051923	83.57	5.02	2.65	1.28	2.80	.72	.56	.14	.04	.07	.002	1535	118	32	15	5	2.5	99.63
RX 051924	75.00	7.53	4.93	2.04	2.83	1.26	.67	.36	.24	.04	.008	3009	192	61	28	5	4.3	99.75
RX 051925	72.61	14.42	2.16	.26	2.65	3.49	2.81	.18	.07	.05	.002	1719	448	71	11	11	.9	99.96
RX 051926	89.01	2.89	1.50	1.03	1.92	.15	.12	.11	.04	.06	.002	1490	98	19	12	5	2.2	99.30
RX 051927	84.19	4.39	2.58	.37	.85	.47	.44	.24	.05	.02	.005	2710	99	29	18	5	5.2	99.28
RX 051928	84.40	4.98	2.61	.31	2.10	.23	.60	.19	.14	.03	.003	1778	114	26	18	5	3.4	99.31
RX 051929	72.68	12.53	3.63	1.19	3.53	3.23	.67	.42	.12	.07	.002	1374	807	83	18	9	1.3	99.71
RX 051930	78.34	3.59	6.56	.33	1.18	.19	.39	.17	.48	.03	.010	4116	135	60	51	5	7.5	99.50
RX 051931	61.35	9.30	9.34	2.00	2.27	.66	.97	.40	.54	.04	.032	4120	287	82	75	5	11.9	99.56
RX 051932	76.23	8.51	4.81	1.36	3.41	.36	1.04	.35	.19	.05	.007	4887	140	71	23	5	2.7	99.88
RX 051933	96.00	.22	2.51	.03	.05	.05	.05	.02	.01	.01	.002	113	10	5	5	5	1.2	100.06
RX 051934	53.62	13.84	9.12	5.10	7.08	.90	1.31	.75	.52	.12	.033	4615	571	74	43	5	6.4	99.66
RX 051935	81.49	3.85	2.15	3.60	6.13	.17	.05	.15	.05	.11	.002	881	148	22	10	5	1.9	99.77
RX 051936	76.06	14.72	.89	.12	1.45	2.39	2.16	.07	.01	.01	.002	1960	342	29	8	11	1.7	99.95
STANDARD SO-4	68.15	10.90	3.48	.93	1.57	1.36	2.06	.56	.20	.08	.006	825	195	318	24	13	10.4	99.91

.200 GRAM SAMPLES ARE FUSED WITH 1.2 GRAM OF LIBO2 AND ARE DISSOLVED IN 100 MLS 5% HNO3.
- SAMPLE TYPE: P1 TO P3 ROCK P4 MOSS MAT
Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: OCT 21 1992 DATE REPORT MAILED: Oct 30/92 SIGNED BY C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	LOI %	SUM %
RX 051937	82.43	4.87	5.96	1.00	2.08	.07	.60	.40	.08	.02	.002	3577	130	96	28	8	1.7	99.85
RX 051938	72.18	10.97	4.65	1.09	6.40	.52	.66	.51	.20	.06	.002	3113	289	81	38	9	2.0	99.82
RX 051939	61.36	13.53	7.40	2.42	7.21	2.32	1.29	.57	.33	.15	.005	2477	498	60	30	8	2.8	99.88
RX 051940	96.41	.21	.69	.03	.08	.05	.05	.02	.01	.04	.002	82	10	5	5	5	.8	98.34
RX 051941	83.38	3.96	4.92	.29	2.65	.13	.52	.14	.78	.03	.015	741	142	59	22	5	2.7	99.67
RX 051942	66.88	19.04	.67	.09	2.56	5.03	4.78	.05	.01	.04	.002	1265	272	35	21	13	.6	100.00
RX 051943	85.90	3.98	2.46	.85	1.37	.45	.73	.17	.04	.02	.002	1877	99	28	11	5	3.3	99.61
RX 051944	94.68	1.30	1.06	.16	.14	.11	.20	.11	.01	.01	.002	673	15	21	6	5	2.0	99.89
RX 051945	89.37	2.93	2.40	.21	.31	.42	.65	.15	.03	.01	.002	1265	51	30	9	5	3.2	99.91
RX 051946	94.24	1.37	1.11	.17	.60	.13	.14	.10	.01	.01	.002	296	36	19	5	11	2.0	99.94
RX 051947	75.33	7.86	3.38	1.00	4.22	1.16	.98	.39	1.18	.04	.002	3294	360	67	26	5	3.5	99.65
RX 051948	74.03	12.08	2.47	.19	2.11	1.92	3.28	.13	.03	.02	.002	2825	312	37	10	15	3.1	99.89
RX 051949	97.78	.15	.98	.03	.04	.05	.14	.02	.01	.01	.002	11	10	5	5	5	.8	99.96
RX 051950	74.93	14.27	.67	.07	2.06	4.10	2.95	.04	.01	.02	.002	1384	436	27	5	8	.6	100.00
RX 051951	55.98	16.00	8.63	4.86	6.83	3.90	1.37	.91	.25	.17	.012	686	647	87	20	17	.8	99.92
RX 051952	54.72	19.32	7.61	2.01	3.67	.66	4.54	.92	.20	2.00	.002	629	176	65	26	5	3.8	99.59
RX 051953	96.13	1.28	.92	.06	.28	.24	.21	.05	.01	.02	.002	344	76	5	5	5	.7	99.96
RX 051954	71.92	7.73	6.55	2.24	3.86	.49	1.03	.35	.35	.09	.003	7843	259	62	28	5	3.9	99.89
RE RX 051950	74.84	14.44	.68	.08	2.09	4.18	2.72	.04	.01	.02	.002	1433	442	25	5	6	.6	99.99
RX 051955	98.55	.22	.48	.02	.05	.05	.12	.01	.01	.01	.002	7	10	26	5	5	.5	100.00
RX 051956	73.13	9.81	5.96	3.62	.14	.19	2.22	.15	.05	.07	.002	1187	34	108	18	6	4.3	99.86
RX 051957	75.72	6.93	3.62	2.28	2.99	.21	.83	.34	.35	.04	.025	1018	175	86	45	5	5.7	99.25
RX 051958	81.27	4.32	3.47	1.53	1.99	.12	.75	.22	.44	.04	.029	2341	169	65	52	5	4.6	99.21
RX 051959	82.75	4.60	4.89	.33	1.66	.13	1.16	.21	.60	.02	.010	2984	226	64	35	5	2.8	99.71
RX 051960	96.73	.47	1.43	.10	.03	.05	.18	.04	.01	.01	.002	128	10	10	5	5	1.0	100.01
RX 051961	76.54	7.34	3.56	2.03	5.24	.18	.41	.32	.26	.06	.012	2537	280	57	26	5	3.4	99.83
RX 051962	71.95	8.76	4.47	2.56	4.35	.48	1.02	.37	.33	.08	.003	3335	197	67	38	5	4.9	99.88
RX 051963	92.64	1.35	2.44	.13	.47	.09	.18	.08	.06	.02	.008	177	38	17	5	5	2.4	99.91
RX 051964	81.69	5.14	2.45	2.06	1.59	.16	.86	.39	.04	.03	.002	1568	124	88	19	5	5.0	99.71
RX 051965	74.62	6.76	3.33	3.77	6.39	.16	.80	.42	.07	.04	.009	4529	449	110	31	5	2.2	99.41
RX 051966	57.60	3.24	3.32	13.45	19.23	.19	.07	.13	.07	.30	.002	133	143	28	8	5	1.8	99.45
RX 051967	70.17	12.13	5.03	.80	.53	.43	1.01	.51	.01	.02	.018	2790	76	88	29	7	8.1	99.26
RX 051968	70.51	9.62	5.22	1.22	3.27	.79	1.27	.38	.77	.02	.028	2968	291	106	64	7	6.0	99.66
RX 051969	73.37	12.63	2.41	1.36	2.06	1.24	2.07	.49	.12	.02	.015	5491	194	98	32	8	2.9	99.66
RX 051970	84.92	3.62	3.56	1.05	.81	.12	.51	.27	.11	.01	.002	2249	106	71	17	5	4.2	99.59
RX 051971	73.93	14.30	1.36	.16	2.04	3.75	3.49	.12	.01	.09	.002	941	424	68	9	11	.5	99.97
RX 051972	66.14	15.98	4.70	1.00	1.89	1.87	3.68	.63	.11	.25	.002	880	186	77	20	13	3.5	99.94
STANDARD SO-4	68.46	10.50	3.57	.96	1.62	1.32	2.01	.56	.20	.08	.005	844	199	318	24	15	10.4	99.90

Sample type: ROCK. Samples beginning 'RE' are duplicate samples.

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	LOI %	SUM %
RX 051973	82.52	3.84	2.21	1.99	1.67	.05	.79	.31	.12	.02	.004	1275	87	69	38	17	5.6	99.36
RE RX 051975	81.90	4.57	2.49	1.76	1.56	.15	1.06	.37	.10	.02	.002	2115	138	81	20	5	5.2	99.57
RX 051974	69.70	7.09	3.76	5.37	9.09	.62	.61	.32	.09	.12	.002	2890	276	67	19	5	2.5	99.81
RX 051975	81.88	4.61	2.60	1.78	1.61	.14	.98	.37	.13	.02	.006	2107	137	88	19	5	5.1	99.61
RX 051976	78.90	5.51	3.85	1.04	2.57	.22	1.41	.28	1.39	.02	.018	2027	118	78	33	5	4.0	99.58
RX 051977	68.45	16.97	2.21	1.19	.23	.48	3.87	.76	.06	.02	.007	3513	83	113	27	6	4.9	99.77
RX 051978	76.75	6.29	4.54	1.62	1.68	.75	1.21	.60	.17	.03	.004	1887	176	68	24	5	5.5	99.50
STANDARD SO-4	68.28	10.63	3.55	.97	1.64	1.31	2.03	.56	.22	.08	.008	805	202	322	25	15	10.4	99.89

Sample type: ROCK. Samples beginning 'RE' are duplicate samples.

ACME ANALYTICAL

Inco Expl. & Tech. Services FILE # 92-3732

ACME ANALYTICAL

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 %	Al %	Na %	K %	W ppm	Zr ppm	Sn ppm	Y ppm	Nb ppm	Be ppm	Sc ppm	Au* ppb
SX 134927	2	62	12	101	1.0	6	11	1105	5.61	4	5	ND	4	206	.8	2	2	296	2.98	.029	19	33	1.90	1008	.44	7.24	2.10	.75	2	11	1	24	3	1	29.7	4

Sample type: MOSS MAT.
AU* ANALYSIS BY ACID LEACH/AA FROM 20 gm SAMPLE.

APPENDIX IV

Vancouver Petrographics Ltd.

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Report for: Mark Slauenwhite,
Inco Exploration & Technical Services,
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VANCOUVER, B.C., V6C 2X8

Job 43
July 1992

Samples:
RX-051189, 051190, 051191, 051192, 051193, 051194

Summary:

B: Suite RX051189-151194

These samples are from a highly metamorphosed terrain showing a complex metamorphic and deformation history. Relic sillimanite in two samples indicates an earlier, high-grade metamorphic event which produced very tight microscopic folds.

Some of the quartz-rich samples might be interpreted as siliceous deposits formed near the sea-water/rock interface. The sulfide-rich lenses in Samples RX-051192 and RX-051194 are the best evidence to suggest a stratabound sulfide-forming event. However, partly because of the high grade of metamorphism, and partly because of the scarcity of diagnostic features, evidence for a volcanogenic massive sulfide environment is suggestive at best.

(continued)

Sample RX-051189 is at the contact of a quartz-plagioclase-(muscovite) schist and a plagioclase-quartz-biotite schist. The former is dominated by quartz and less plagioclase and much less muscovite, and the latter by about equal amounts of plagioclase, quartz, and biotite. These layers could represent two distinct sedimentary or tuffaceous beds.

Sample RX-051190 is a metamorphosed siliceous exhalite(?) containing porphyroblasts of plagioclase in a well foliated, slightly compositionally banded groundmass dominated by quartz, plagioclase, and muscovite with minor garnet and pyrite and trace zircon and sphene. Foliation is defined by compositional banding between the major minerals and elongation of muscovite and a few larger quartz grains. One surface on the hand sample shows a prominent lineation.

Sample RX-051191 is a metamorphosed pyritic siliceous exhalite(?) containing scattered porphyroblasts of plagioclase in a well foliated groundmass of quartz, pyrite, phlogopite, and sillimanite. Locally the foliation is warped moderately. Later deformation includes abundant fractures, some showing slight offset, and patches of cataclastic deformation.

Sample RX-051192 is a metamorphosed pyritic siliceous exhalite dominated by quartz with moderately abundant lenses of pyrite and equant grains of plagioclase, and less abundant flakes of biotite and disseminated patches of one or more of chalcopyrite, galena, and sphalerite. A weak to moderate foliation is defined by elongation of pyrite lenses and orientation of biotite flakes.

Sample RX-051193 is a strongly contorted, recrystallized schist. Clusters of sillimanite are relics from an earlier period of high-grade metamorphism and deformation which produced very tight folds. These now are included in porphyroblasts of muscovite and lesser plagioclase. Intergrown with these are fine to medium grained biotite, chlorite, quartz, and less plagioclase, with minor opaque (pyrite) and apatite.

Sample RX-051194 is a banded schist containing abundant opaque (mainly pyrite), quartz, tremolite, and plagioclase, less abundant biotite and sphalerite, and minor barite, epidote and apatite. Minerals are segregated into compositional layers. Pyrite, sphalerite, tremolite, and barite(?) are concentrated in a broad band comprising much of the section. Biotite is concentrated in the remaining sulfide-poor band. The quartz-biotite rich layer is folded locally into a tight warp on the scale of 1.5-2 mm.

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Sample RX-051189 **Contact: Quartz-Plagioclase-(Muscovite) Schist and Plagioclase-Quartz-Biotite Schist Limonite Veinlets**

The sample contains two distinct bands, one dominated by quartz and less plagioclase and much less muscovite, and the other by about equal amounts of plagioclase, quartz, and biotite.

quartz-plagioclase-(muscovite) schist

porphyroblasts	
plagioclase	10-12%
groundmass	
quartz	65-70%
plagioclase	10-12
muscovite	12-15
pyrite	0.1
garnet	minor
limonite	0.1

Plagioclase forms equant to elongate porphyroblasts up to 2.5 mm in size. Some porphyroblasts and groundmass plagioclase contains abundant dusty hematite inclusions.

Quartz forms anhedral grains averaging 0.1-0.2 mm in size, with a few coarser grained lenses with grains averaging 0.3-0.7 mm in size.

Plagioclase forms equant, anhedral grains averaging 0.1-0.3 mm in size intergrown with quartz.

Muscovite and minor patches of sericite (after muscovite) are concentrated moderately to strongly in seams parallel to foliation. Muscovite grains average 0.1-0.5 mm in size, with a few up to 1.7 mm long. Foliation is warped around plagioclase porphyroblasts.

Pyrite forms a few lenses of grains up to 0.8 mm long; alteration is to deep orange-brown limonite.

Garnet forms an anhedral grain up to 0.5 mm across; it was fractured strongly.

Limonite forms wispy seams and a few patches up to 0.4 mm across; probably formed from iron derived by weathering of pyrite.

One seam up to 0.2 mm wide parallel to foliation was brecciated strongly to extremely fine grained, granular aggregates.

(continued)

plagioclase-quartz-biotite schist

porphyroblasts	
plagioclase	20-25%
groundmass	
biotite	25-30
quartz	20-25
plagioclase	17-20
pyrite	5- 7
opaque oxide(?)	0.3
apatite	0.1
epidote	trace
zircon	trace
limonite	minor

Plagioclase forms a few unusual, prismatic megacrysts up to 1.7 mm long. Alteration of these is strong; in one it is to sericite, a few patches of cryptocrystalline epidote, and minor chlorite. This one contains an inclusion 0.17 mm long of actinolite/hornblende with pleochroism from pale greenish yellow to medium green. In another, alteration is strong in the core to cryptocrystalline epidote(?) and abundant limonite, and absent in a thin rim.

Plagioclase forms abundant, unaltered to slightly altered megacrysts averaging 0.5-1.0 mm in size. Some of these are slightly compositionally zoned. Groundmass plagioclase averaging 0.1-0.2 mm in grain size is intergrown with patches of biotite-quartz.

Interstitial to plagioclase are patches of quartz and biotite averaging 0.05-0.15 mm in grain size. Biotite is pleochroic from pale to medium brown.

Pyrite forms subhedral to anhedral porphyroblasts averaging 0.5-1.5 mm in size and other grains averaging 0.1-0.3 mm across.

Apatite forms equant grains averaging 0.04-0.1 mm in size, and a few up to 0.4 mm across.

Opaque oxide forms disseminated equant to elongate grains averaging 0.02-0.05 mm in size.

Epidote forms minor grains up to 0.2 mm long.

Zircon forms a few euhedral grains up to 0.04 mm long, and one anhedral equant grain 0.07 mm across.

A very irregular veinlet averaging 0.1-0.2 mm wide is of orange limonite.

Sample RX-051190 **Metamorphosed Siliceous Exhalite(?); Plagioclase Porphyroblasts**

Porphyroblasts of plagioclase are set in a well foliated, slightly compositionally banded groundmass dominated by quartz, plagioclase, and muscovite with minor garnet and pyrite and trace zircon and sphene. Foliation is defined by compositional banding between the major minerals and elongation of muscovite and a few larger quartz grains. One surface on the hand sample shows a prominent lineation.

porphyroblasts		
plagioclase	10-12%	
groundmass		
quartz	60-65	
muscovite	12-15	
plagioclase	12-15	
garnet	0.2	
pyrite	minor	(includes secondary Fe-minerals)
zircon	trace	
sphene	trace	
limonite seams	minor	

Plagioclase forms anhedral porphyroblasts averaging 0.7-1.7 mm in size. Many are zoned slightly. The refractive index is less than that of quartz, suggesting an albite/oligoclase composition. Alteration is slight to patches of dusty brown hematite/limonite.

In the groundmass, quartz forms equant grains averaging 0.05-0.15 mm in size, and elongate grains averaging 0.3-0.5 mm long oriented parallel to foliation.

Muscovite forms grains averaging 0.2-0.5 mm in grain size, mainly elongated parallel to foliation. Most are free of inclusions, but a few are moderately to strongly poikilitic to skeletal, with inclusions of quartz and/or plagioclase.

Plagioclase is concentrated moderately in lenses parallel to foliation as equant grains averaging 0.1-0.3 mm in size in some bands and 0.05-0.1 mm in size in others. Some patches contain minor to moderately abundant myrmekitic inclusions of quartz. Some finer grained lenses are intergrown with minor to moderately abundant very fine grained quartz. Alteration is slight in irregular patches to sericite and dusty hematite.

Pyrite(?) forms a few clusters of grains up to 0.8 mm long. Alteration is strong to medium reddish orange-brown, cryptocrystalline limonite/hematite, with relic cores up to 0.1 mm across of opaque hematite or pyrite.

Garnet forms a single grain and a few clusters up to 0.8 mm across of equant, slightly porphyritic to skeletal grains averaging 0.2-0.4 mm in size. It commonly is intergrown with quartz.

Zircon forms an anhedral grain 0.2 mm across.

Sphene forms an equant grain 0.05 mm in size in one plagioclase porphyroblast.

Limonite forms a few wispy seams, commonly parallel to foliation.

Sample RX-051191 **Metamorphosed Pyritic Siliceous Exhalite (?)**
Quartz-Plagioclase-Pyrite-Sillimanite-Phlogopite

Scattered porphyroblasts of plagioclase are set in a well foliated groundmass of quartz, pyrite, phlogopite, and sillimanite. Locally the foliation is warped moderately. Later deformation includes abundant fractures, some showing slight offset, and patches of cataclastic deformation.

porphyroblasts			
plagioclase	4- 5%		
groundmass			
quartz	65-70		
plagioclase	10-12	Ti-oxide	trace
pyrite	7- 8	graphite	trace
phlogopite	4- 5	chalcopyrite	trace
sillimanite	3- 4		
apatite	0.3		
chlorite	0.2		

Plagioclase forms a few porphyroblasts up to 1.5 mm in size and aggregates of grains averaging 0.1-0.5 mm in size. Most porphyroblasts are equant, but a few are elongated strongly parallel to foliation. One of these is enclosed by lenses of sillimanite, which are warped around the plagioclase porphyroblast. Plagioclase is fresh.

Quartz forms aggregates of very fine to fine grains. Grains commonly are enclosed by seams of sillimanite and lesser biotite averaging 0.05-0.15 mm apart. Larger quartz grains are elongated parallel to foliation; these average 0.3-0.7 mm long, but a few are up to 5 mm long.

Pyrite forms grains and lenses averaging 0.3-2 mm long, mainly elongated strongly parallel to foliation. Adjacent to many of these, wispy trains up to 0.1 mm long of cryptocrystalline to extremely fine grains of pyrite extend perpendicular to the main pyrite lenses into quartz. A few equant pyrite grains are up to 0.5 mm across.

Phlogopite flakes and acicular sillimanite occur in wispy seams parallel to foliation, and separated by quartz aggregates. Phlogopite flakes average 0.2-0.5 mm in size, and are pleochroic from pale to light brown. Sillimanite grains average 0.3-0.5 mm long. Many sillimanite seams are one grain wide, but a few bands up to 0.2 mm wide contain aggregates of coarser sillimanite grains up to 1.5 mm long.

Mineral X forms a ragged equant grain 0.35 mm across and a few anhedral to subhedral grains averaging 0.1-0.2 mm in size. It is concentrated strongly in a few layers in the rock. It resembles idocrase in relief, habit, and birefringence, but is length-slow. Some grains have parallel extinction, but a few have inclined extinction.

Chlorite forms a few seams up to 0.1 mm wide parallel to foliation.

Ti-oxide forms a few, disseminated grains up to 0.2 mm long elongate parallel to foliation.

Apatite forms an anhedral grain 0.4 mm across.

Chalcopyrite forms a few interstitial grains from 0.03-0.1 mm in size in and near a few pyrite lenses, and a few grains up to 0.02 mm in size in quartz.

(continued)

Graphite forms a few flakes and clusters of flakes up to 0.15 mm long in a thin seam parallel to foliation, in which it is associated with sillimanite.

Zircon forms an oval-shaped grain 0.07 mm long.

The rock is cut by numerous fractures and offset up to 0.2 mm along some of these. Adjacent to some are patches of cataclastically deformed and granulated to extremely fine grained aggregates.

Sample RX-051192 **Metamorphosed Pyritic Siliceous Exhalite with Minor Chalcopyrite, Galena, Sphalerite**

The rock is dominated by quartz with moderately abundant lenses of pyrite and equant grains of plagioclase, and less abundant flakes of biotite and disseminated patches of one or more of chalcopyrite, galena, and sphalerite. A weak to moderate foliation is defined by elongation of pyrite lenses and orientation of biotite flakes.

quartz	80-85%	epidote	trace
pyrite	7- 8	Mineral X	trace
plagioclase	5- 7		
biotite	3- 4		
chalcopyrite	1- 2		
galena	0.3		
rutile	0.2		
sphalerite	minor		

Quartz forms anhedral grains averaging 0.2-0.5 mm in size, commonly with sutured grain borders suggesting recrystallization from coarser grained aggregates.

Plagioclase forms disseminated, equant grains averaging 0.2-0.3 mm in size. It also occurs in a few patches up to 1 mm in size of finer grained aggregates, in part intergrown with quartz, and locally with slightly myrmekitic textures.

Pyrite is concentrated strongly in lenses parallel to foliation, in which it forms grains averaging 0.5-1.5 mm in size. It also forms disseminated, subhedral grains averaging 0.1-0.2 mm in size.

Biotite forms flakes averaging 0.2-0.5 mm in size, and a few up to 1.0 mm long. Pleochroism is from pale to light or medium reddish brown.

Chalcopyrite forms equant to elongate grains averaging 0.1-0.3 mm long, and a few up to 0.6 mm long. A few chalcopyrite patches contain one or two bands up to 0.03 mm wide of pyrrhotite. Some are altered along their margins, and most of the the secondary minerals were leached from the sample. A few patches contain minor secondary covellite.

Galena forms a patch 0.7 mm long adjacent to a large lens of pyrite. It also forms a few disseminated patches averaging 0.1-0.15 mm in size in quartz. Alteration is slight along the grain margins to secondary, non-reflective Pb-minerals. One patch of galena is surrounded by cryptocrystalline, secondary Pb-minerals intergrown intimately with covellite.

Deep orange-brown rutile forms disseminated grains averaging 0.05-0.1 mm in size and a few lenses up to 0.3 mm long in quartz.

Apatite forms a few subhedral grains up to 0.2 mm long. Many contain abundant inclusions of hematite(?) oriented parallel to the c-axis of apatite.

Red-brown sphalerite forms patches up to 0.2 mm in size, commonly associated with chalcopyrite.

Epidote forms a few grains up to 0.12 mm in size. Mineral X (as in Sample 191) forms a few equant to stubby prismatic grains up to 0.1 mm in size.

Sample RX-051193 **Strongly Contorted, Recrystallized Schist**
Biotite-Quartz-Muscovite-Chlorite-Sillimanite-Plagioclase

Clusters of sillimanite are relics from an earlier period of high grade metamorphism and deformation which produced very tight folds. These now are included in porphyroblasts of muscovite and lesser plagioclase. Intergrown with these are fine to medium grained biotite, chlorite, quartz, and less plagioclase, with minor opaque (pyrite) and apatite.

biotite	25-30%	apatite	0.5%
quartz	17-20	zircon	trace
chlorite	15-17		
muscovite	15-17		
plagioclase	12-15		
pyrite	3- 4		
sillimanite	2- 3		

Sillimanite forms clusters of acicular grains averaging 0.05-0.3 mm long. These show a very tightly folded structure on the scale of 0.5-2 mm formed during an early stage of deformation. Sillimanite occurs only within porphyroblasts of muscovite and less abundant ones of plagioclase.

Biotite and chlorite form fine to medium grained aggregates oriented moderately to strongly in the foliation plane. One chlorite porphyroblast cuts across the foliation of a clusters of biotite grains. One chlorite aggregate outlines a moderate kink warp on the scale of 1-2 mm. Biotite is pleochroic from pale to medium reddish brown. Chlorite is pleochroic from colorless to pale greyish green.

Quartz forms anhedral grains averaging 0.2-0.5 mm in size, and a few elongate grain up to 1.5 mm long oriented parallel to foliation and enclosed between seams of biotite, muscovite, and chlorite.

Muscovite is concentrated in a few patches up to a few mm across as fine to coarse grains intergrown coarsely with biotite, chlorite, and minor plagioclase porphyroblasts. Almost all muscovite grains contain sillimanite clusters (see above). Elsewhere it forms irregular to elongate porphyroblasts intergrown with biotite and chlorite.

Plagioclase forms equant to elongate porphyroblasts up to 2 mm in size. Some are zoned slightly. Several contain ragged clusters of acicular sillimanite grains up to 0.5 mm long (see above). Plagioclase also forms anhedral grains averaging 0.3-0.5 mm in size intergrown with quartz, biotite and chlorite; these are concentrated in a few patches in the sample, and generally do not contain sillimanite inclusions.

Pyrite forms patches and lenses averaging 0.2-1 mm in size, and locally up to a few mm long.

Apatite forms equant to anhedral prismatic grains averaging 0.1-0.3 mm in size.

At one end of the section is a weathered zone containing abundant limonite on fractures and grain boundaries. A few pyrite grains is this zone are replaced strongly by red-brown hematite.

Sample RX-051194 **Banded Schist: Pyrite-Quartz-Tremolite-Plagioclase-(Sphalerite-Barite(?)-Epidote-Apatite)**

The rock is a very fine to medium grained schist containing abundant opaque (mainly pyrite), quartz, tremolite, and plagioclase, less abundant biotite and sphalerite, and minor barite, epidote and apatite. Minerals are segregated into compositional layers. Pyrite, sphalerite, tremolite, and barite(?) are concentrated in a broad band comprising much of the section. Biotite is concentrated in the remaining sulfide-poor band. The quartz-biotite rich layer is folded locally into a tight warp on the scale of 1.5-2 mm.

opaque (pyrite)	25-30% (possibly some chalcopyrite and galena)
quartz	20-25
plagioclase	17-20
tremolite	15-17
sphalerite	4- 5
biotite	3- 4
barite(?)	0.8
apatite	0.5
epidote	0.3
sphene	0.1

Quartz commonly forms aggregates of grains averaging 0.05-0.15 mm in size, and in a few patches and lenses forms coarser grains up to 0.8 mm across.

Pyrite forms lenses up to a few mm long parallel to foliation of grains averaging 0.1-0.8 mm in size.

Plagioclase forms anhedral grains averaging 0.2-0.7 mm in size. Many are zoned slightly. Coarser grains have a porphyroblastic appearance. It is concentrated in a few bands up to 2 mm wide of very fine to fine grained aggregates.

Tremolite/actinolite occurs in the pyrite-rich part of the section, where it forms anhedral to subhedral, prismatic grains averaging 0.3-0.8 mm in size and locally up to 1.5 mm long. Pleochroism is from pale to light green.

Orange brown sphalerite forms anhedral patches averaging 0.1-0.7 mm in size intergrown with pyrite.

Biotite forms lenses parallel to foliation of flakes averaging 0.2-0.7 mm long. It is concentrated strongly in the parts of the sample containing little pyrite. Pleochroism is from pale to medium/light brown. In some lenses it is altered strongly to pale green chlorite.

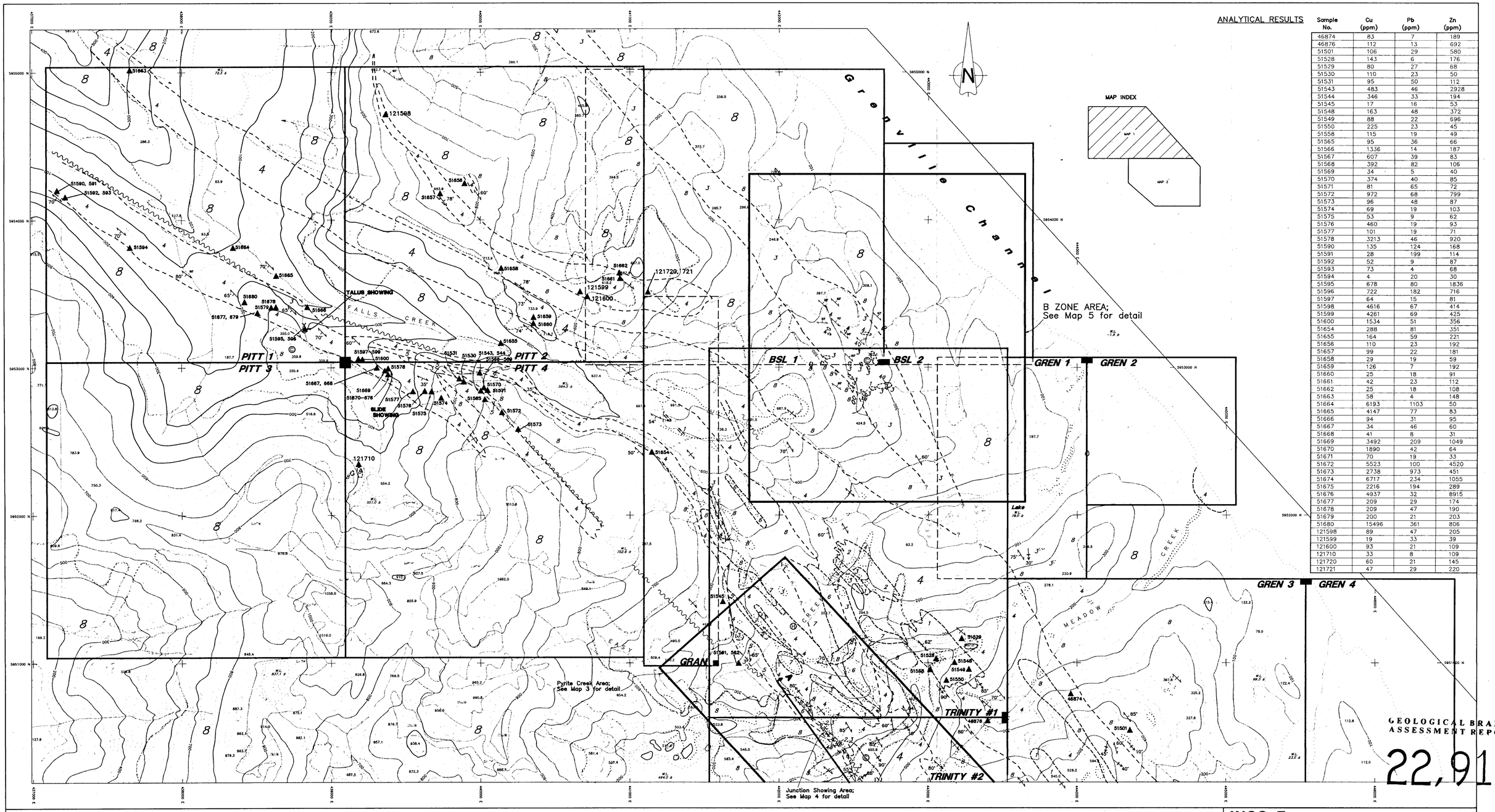
Epidote forms ragged patches up to 0.3 mm in size, mainly associated with biotite.

Barite (?) forms anhedral grains averaging 0.1-0.3 mm in size bordering pyrite-sphalerite patches. Orthogonal cleavage is faint but present.

Apatite forms anhedral grains averaging 0.07-0.15 mm long and a subhedral, prismatic grain 0.5 mm long.

Sphene forms disseminated, anhedral to subhedral grains averaging 0.05-0.15 mm in size.

A few late veinlets averaging 0.02-0.05 mm wide and formed during weathering are of limonite.



ANALYTICAL RESULTS

Sample No.	Cu (ppm)	Pb (ppm)	Zn (ppm)
46874	83	7	189
46876	112	13	692
51501	106	29	580
51528	143	6	176
51529	80	27	68
51530	110	23	50
51531	95	50	112
51543	483	46	2928
51544	346	33	194
51545	17	16	53
51548	163	48	372
51549	88	22	696
51550	225	23	45
51558	115	19	49
51565	95	36	66
51566	1336	14	187
51567	607	39	83
51568	392	82	106
51569	34	5	40
51570	374	40	85
51571	81	65	72
51572	972	68	799
51573	96	48	87
51574	69	19	103
51575	53	9	62
51576	460	19	93
51577	101	19	71
51578	3213	46	920
51590	135	124	168
51591	28	199	114
51592	52	9	87
51593	73	4	68
51594	4	20	30
51595	678	80	1836
51596	722	182	716
51597	64	15	81
51598	4616	67	414
51599	4261	69	425
51600	1534	51	356
51654	288	81	351
51655	164	59	221
51656	110	23	192
51657	99	22	181
51658	29	19	59
51659	126	7	192
51660	25	18	91
51661	42	23	112
51662	25	18	108
51663	58	4	148
51664	6193	1103	50
51665	4147	77	83
51666	94	31	95
51667	34	46	60
51668	41	8	31
51669	3492	209	1049
51670	1890	42	64
51671	70	19	33
51672	5523	100	4520
51673	2738	973	451
51674	6717	234	1055
51675	2216	194	289
51676	4937	32	8915
51677	209	29	174
51678	209	47	190
51679	200	21	203
51680	15496	361	806
121598	89	47	205
121599	19	33	39
121600	93	21	109
121710	33	8	109
121720	60	21	145
121721	47	29	220

GEOLOGICAL BRANCH
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LEGEND

LOWER PALEOZOIC

- 8 — INTRUSIVE: FOLIATED TO GNEISSIC BIOTITE HORNBLENDE QUARTZ DIORITE TO GRANODIORITE, LOCALLY CHLORITIC AND GARNET BEARING
- 7 — FELDSPAR–BIOTITE–QUARTZ AUGEN GNEISS
- 6 — QUARTZITE: MICACEOUS, WHITE TO DARK GRAY COLOR
- 5 — MUSCOVITE–QUARTZ–PYRITE SCHIST
- 4 — FELDSPAR–QUARTZ BIOTITE GRIT SCHIST, LOCALLY PYRITE AND GARNET BEARING –INCLUDES BIOTITE–CHLORITE SCHIST
- 4g XXX — SEMI–MASSIVE TO MASSIVE SULPHIDE SCHIST ZONE
- 3 — BIOTITE–QUARTZ SCHIST; LOCALLY PYRITIC
- 2 — HORNBLENDE SCHIST (AMPHIBOLITE)
- 1 — DARK GRAY BIOTITE–MUSCOVITE–GARNET SCHIST, INCLUDES BIOTITE PHYLLITE TO CARBONACEOUS PYRITIC ARGILLITE

- GEOLOGICAL CONTACT; INFERRED
- OUTCROP AREA
- LEGAL CLAIM POST (LCP)
- CLAIM BOUNDARY
- 197.7 — ELEVATION (METERS)
- FAULT; DEFINED, INFERRED
- 80° — FOLIATION; INCLINED, VERTICAL
- 46874 ▲ — ROCK SAMPLE LOCATION WITH SAMPLE NUMBER
- LONGITUDINAL SECTION; SEE FIGURE 4
- 30° — DOMINANT PLUNGE OF HINGE LINE OF SMALL SCALE FOLD
- C — CAMP LOCATION
- H — HELICOPTER PAD

MAP 1
NORTH HALF – SHEET

Scale 1:10000

0 100 200 300 400 500 600 700 800 900 1000
METRES

D. M. BOHME — PROFESSIONAL ENGINEER

INCO EXPLORATION AND TECHNICAL SERVICES INC. Vancouver, B.C. V6C 2X8

Project: PITT / TRINITY — Area: PITT ISLAND, B.C.

PROPERTY GEOLOGY, SAMPLE LOCATIONS AND GEOCHEMISTRY (Cu, Pb, Zn)

Supervisor: Dennis Bohme			
Compiled by: EMSL DIGITAL MAP	Drawn by: EMSL DIGITAL Ian Cassidy	Date drawn: 03/06/92	Revised: 03/10/93
Scale: 1:10000	Figure: PIT013.DWG	N.T.S. 103 H/12	

TRINITY #2

Team Showing Area; See Figures 5, 6 and 7 for detail

MEADOW CREEK SHOWING

South Pyrite Creek Showing Area; See Figure 5 for detail

PYRITE CREEK

TRANQUILITY CREEK

GREN 5

GREN 6

GREN 7

GREN 8

Grenville Channel

Lake

augen gneiss intrusive

slide area

LINEAMENT

BEDEVILLED CREEK

51502 51586 51588 51587 51589 51625 51626 51640 51648 51647 51644 51645

121696 121695 121694 121693 121690 121688 121689 121691 121692 121687 121706 121707 121708 121709 138808

ANALYTICAL RESULTS

Sample No.	Cu (ppm)	Pb (ppm)	Zn (ppm)
51586	33702	5299	27382
51587	7882	4505	22142
51588	3875	2535	13850
51589	6764	449	5996
51625	81	4	201
51626	45	14	66
51644	239	12	154
51645	321	11	284
51646	89	7	552
51647	1248	22	105
51648	200	10	172
51649	74	11	148
51502	287	35	1833
121687	22	15	78
121688	59	16	115
121689	45	4	107
121690	40	13	115
121691	56	5	116
121692	3	14	30
121693	124	4	103
121694	14	18	48
121695	79	4	89
121696	104	10	151
121706	52	4	117
121707	51	14	29
121708	43	4	151
121709	107	4	122
138808	10	9	36

LEGEND

LOWER PALEOZOIC

- 8 — INTRUSIVE: FOLIATED TO GNEISSIC BIOTITE HORNBLENDE QUARTZ DIORITE TO GRANODIORITE, LOCALLY CHLORITIC AND GARNET BEARING
- 7 — FELDSPAR–BIOTITE–QUARTZ AUGEN GNEISS
- 6 — QUARTZITE: MICACEOUS, WHITE TO DARK GRAY COLOR
- 5 — MUSCOVITE–QUARTZ–PYRITE SCHIST
- 4 — FELDSPAR–QUARTZ BIOTITE GRIT SCHIST, LOCALLY PYRITE AND GARNET BEARING; INCLUDES BIOTITE–CHLORITE SCHIST
- 4a — SEMI–MASSIVE TO MASSIVE SULPHIDE SCHIST ZONE
- 3 — BIOTITE–QUARTZ SCHIST; LOCALLY PYRITIC
- 2 — HORNBLENDE SCHIST (AMPHIBOLITE)
- 1 — DARK GRAY BIOTITE–MUSCOVITE–GARNET SCHIST, INCLUDES BIOTITE PHYLLITE TO CARBONACEOUS PYRITIC ARGILLITE

- CLAIM BOUNDARY
- 46874 ▲ ROCK SAMPLE LOCATION WITH SAMPLE NUMBER
- GEOLOGICAL CONTACT; INFERRED
- OUTCROP AREA
- LEGAL CLAIM POST (LCP)
- 197.7 ELEVATION (METERS)
- FAULT; DEFINED, INFERRED
- 80° FOLIATION; INCLINED, VERTICAL
- 46874 ▲ ROCK SAMPLE LOCATION WITH SAMPLE NUMBER
- A A' LONGITUDINAL SECTION; SEE FIGURE 4
- 30° DOMINANT PLUNGE OF HINGE LINE OF SMALL–SCALE FOLD
- C CAMP LOCATION
- H HELICOPTER PAD

MAP INDEX

MAP 1

MAP 2

PROFESSIONAL ENGINEER D. M. BOHME

GEOLOGICAL BRANCH ASSESSMENT REPORT

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MAP 2
SOUTH HALF – SHEET

Scale 1:10000

0 100 200 300 400 500 600 700 800 900 1000

METERS

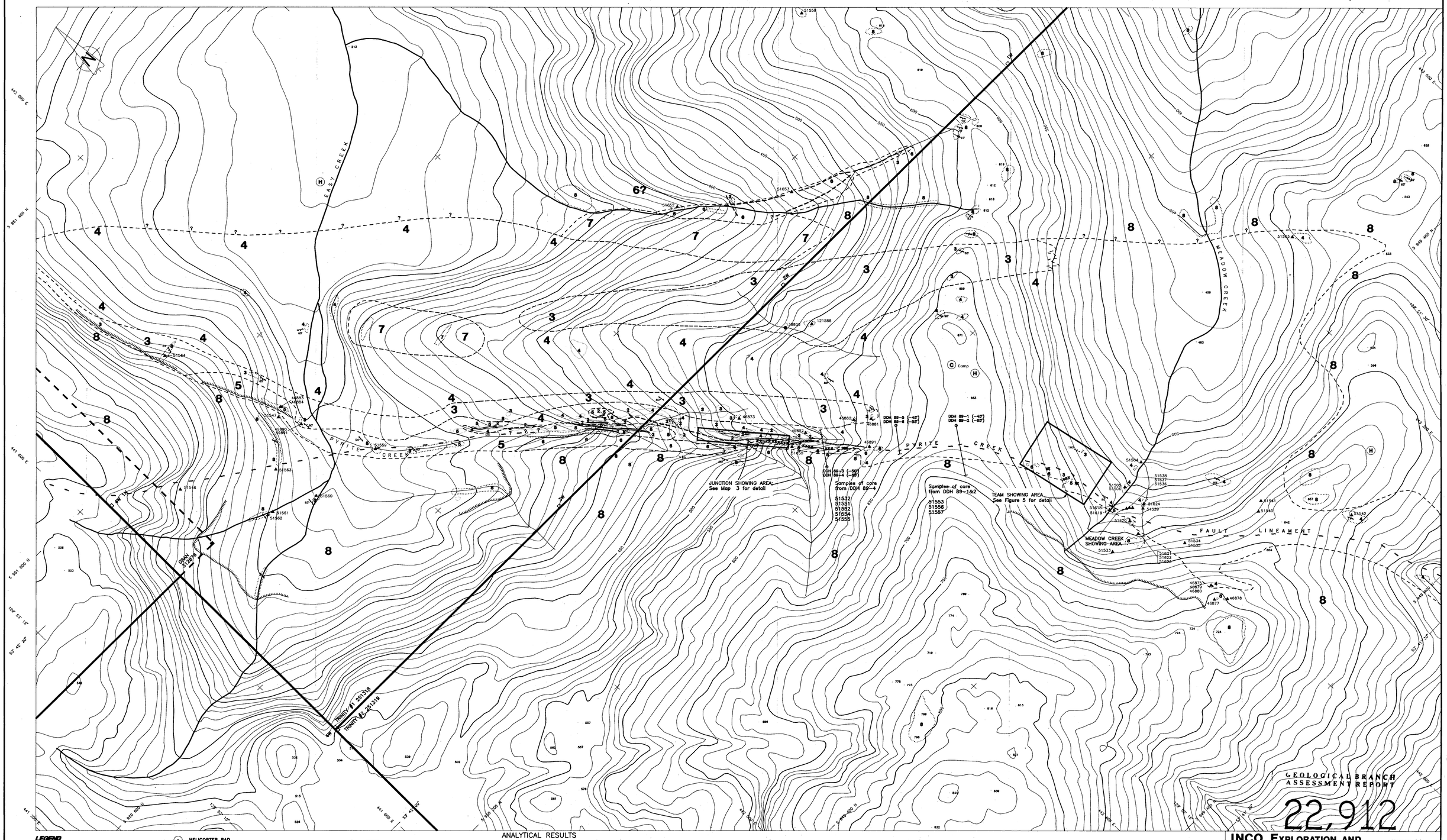
INCO EXPLORATION TECHNICAL SERVICES INC.

Vancouver, B.C. V6C 2X8

Project: PITT / TRINITY | Area: PITT ISLAND, B.C.

PROPERTY GEOLOGY, SAMPLE LOCATIONS AND GEOCHEMISTRY (Cu, Pb, Zn)

Supervisor: Dennis Bohme	Instrument:	Survey date:
Compiled by: EMSL Digital, Ian Casidy	Drawn by: EMSL Digital, Ian Casidy	Date drawn: 03/06/92 / Revised: 03/09/93
Scale: 1: 10000	File: PIT012.DWG	N.T.S. 103 H/12



GEOLOGICAL BRANCH
ASSESSMENT REPORT

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LEGEND

- CLAIM BOUNDARY
- LEGAL CORNER POST
- ID POST
- GEOLOGICAL CONTACT: OBSERVED, ASSUMED
- OUTCROP
- FAULT (INFERRED)
- CLIFF
- (H) HELICOPTER PAD
- (C) CAMP
- DIAMOND DRILL HOLE (1989)
- DOMINANT PLUNGE OF HINGE LINE OF SMALL SCALE FOLD
- ▲ 51560 ROCK SAMPLE, NUMBER AND LOCATION
- ● 138806 MOSS-MAT STREAM SEDIMENT, NUMBER AND LOCATION
- FOLIATION (STRIKE AND DIP)

- 8 GNEISSIC DIORITE–GRANODIORITE
- 7 FELDSPAR–QUARTZ–BIOTITE AUGEN GNEISS
- 6 MICACEOUS QUARTZITE
- 5 MUSCOVITE–QUARTZ PYRITE SCHIST
- 4 FELDSPAR–BIOTITE–QUARTZ GRIT SCHIST
- 3 BIOTITE–QUARTZ–FELDSPAR SCHIST
- 2 AMPHIBOLITE
- X MASSIVE SULPHIDE ZONE

ANALYTICAL RESULTS

Sample No.	Width (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Sample No.	Width (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Sample No.	Width (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Sample No.	Width (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)
46873	1.0	245	11	31	51504	0.5	58	16	124	51547	0.5	1233	1871	5079	51619	1.0	228	67	187
46875	0.3	367	43	309	51505	0.5	323	17	72	51551	0.3	31	26	68	51620	0.5	2235	2871	41704
46877	0.8	193	41	167	51506	0.5	83	35	41	51552	0.3	79	4	110	51621	0.8	1865	789	1194
46878	0.08	203	20	19	51532	0.3	45	515	111	51553	0.3	41	5	103	51622	0.8	153	171	1028
46879	1.0	845	33	165	51533	0.5	304	62	327	51554	0.3	79	279	125	51623	0.5	173	42	373
46880	0.8	276	21	118	51534	0.4	1828	1208	6236	51555	0.3	34	105	55	51624	0.4	350	177	2243
46881	0.5	94	14	89	51535	0.2	3665	828	995	51556	0.3	45	127	58	51650	0.5	8691	2664	12091
46882	0.2	322	116	164	51536	0.2	4405	29935	49830	51557	0.3	210	84	283	51652	0.3	20	4	50
46883	0.5	687	9331	73439	51537	0.2	4535	7578	58641	51559	1.0	153	8	70	51653	0.6	27	10	113
46884	1.0	16	151	674	51538	0.5	485	182	916	51560	0.5	1537	180	453	121588	0.4	9	4	24
46891	2.0	41	65	38	51539	0.5	340	89	220	51561	0.5	830	30	103	138806	2	silt	21	4	34
46892	0.5	61	4	111	51540	0.5	2277	82	383	51562	0.5	602	45	86					
46890	1.5	458	84	165	51541	0.5	855	98	837	51563	0.5	584	4	121					
46891	1.5	38	6	76	51542	0.5	153	23	174	51564	1.0	3676	383	9836					
51503	0.5	69	43	377	51546	0.5	53	21	91	51618	0.5	197	63	264					

SCALE 1:2000

0 25 50 75 100 125 150 175 200 METRES

D. M. BOHME — PROFESSIONAL ENGINEER — B.C.

Map 3

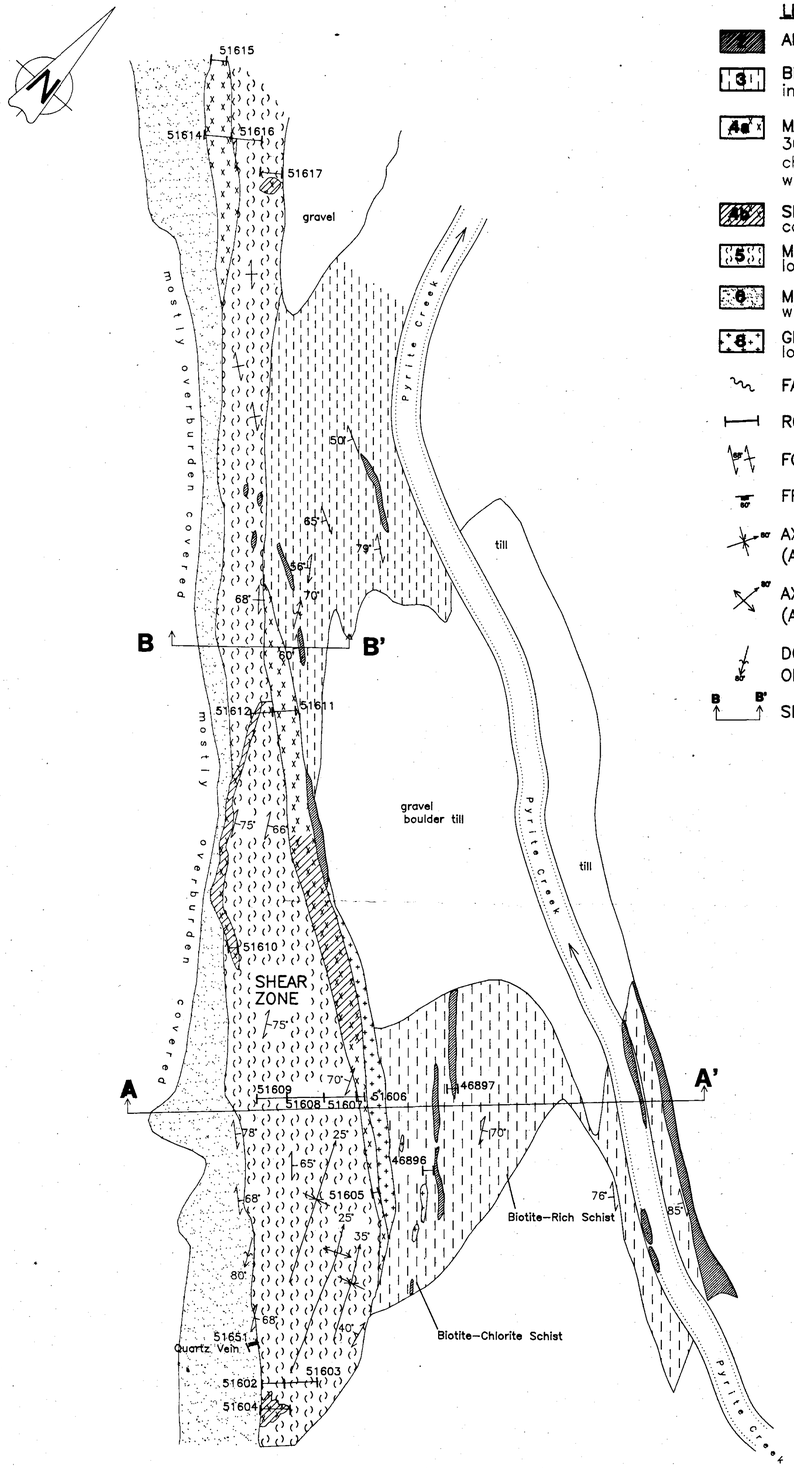
INCO EXPLORATION AND TECHNICAL SERVICES INC.

Vancouver, B.C. V6C 2X8

Project: PITT/TRINITY PROJECT | Area: PITT ISLAND, B.C.

PYRITE CREEK AREA GEOLOGY, SAMPLE LOCATIONS AND GEOCHEMISTRY (Cu, Pb, Zn)

Compiled by: Dennis Bohme	Drawn by: Ian Cassidy	Date drawn: 06/16/92	Revised: 04/03/93
Scale: 1: 2000	File: PIT016.DWG	N.T.S. 103 H/12	

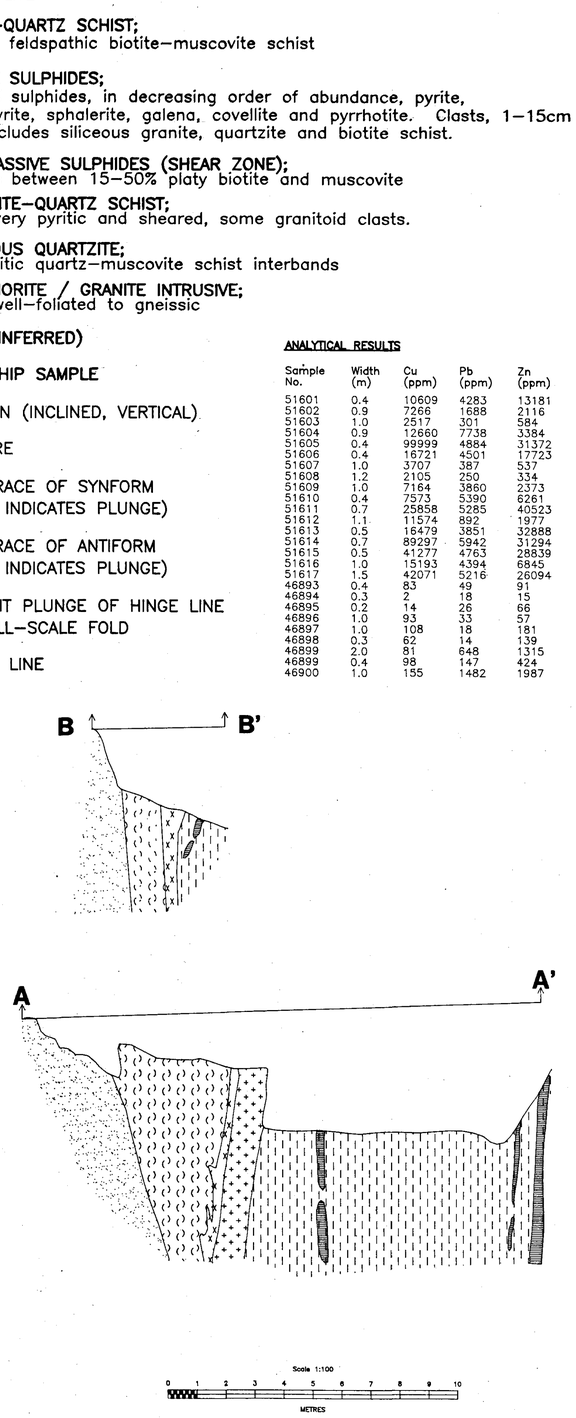


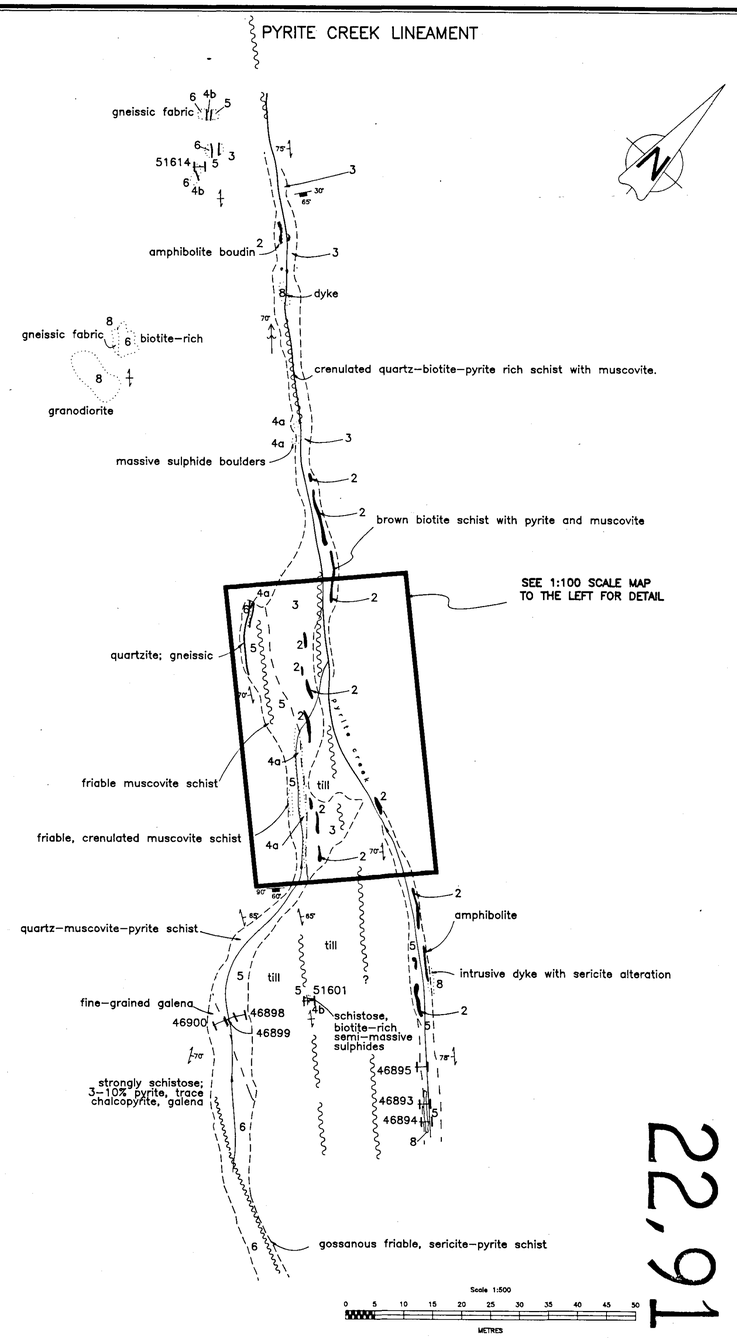
LEGEND

- AMPHIBOLITE
- 3 BIOTITE–QUARTZ SCHIST; includes feldspathic biotite–muscovite schist
- 4a MASSIVE SULPHIDES; 30–60% sulphides, in decreasing order of abundance, pyrite, chalcopyrite, sphalerite, galena, covellite and pyrrhotite. Clasts, 1–15cm wide, includes siliceous granite, quartzite and biotite schist.
- 4b SEMI–MASSIVE SULPHIDES (SHEAR ZONE); contains between 15–50% platy biotite and muscovite
- 5 MUSCOVITE–QUARTZ SCHIST; locally very pyritic and sheared, some granitoid clasts.
- 6 MICACEOUS QUARTZITE; with pyritic quartz–muscovite schist interbands
- 8 GRANODIORITE / GRANITE INTRUSIVE; locally well–foliated to gneissic
- FAULT (INFERRED)
- ROCK CHIP SAMPLE
- FOLIATION (INCLINED, VERTICAL)
- FRACTURE
- AXIAL TRACE OF SYNFORM (ARROW INDICATES PLUNGE)
- AXIAL TRACE OF ANTIFORM (ARROW INDICATES PLUNGE)
- DOMINANT PLUNGE OF HINGE LINE OF SMALL–SCALE FOLD
- SECTION LINE

ANALYTICAL RESULTS

Sample No.	Width (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)
51601	0.4	10609	4283	13181
51602	0.9	7266	1688	2116
51603	1.0	2517	301	584
51604	0.9	12660	7738	3384
51605	0.4	99999	4884	31372
51606	0.4	16721	4501	17723
51607	1.0	3707	387	537
51608	1.2	2105	250	334
51609	1.0	7164	3860	2373
51610	0.4	7573	5390	6261
51611	0.7	25858	5285	40523
51612	1.1	11574	892	1977
51613	0.5	16479	3851	32888
51614	0.7	89297	5942	31294
51615	0.5	41277	4763	28839
51616	1.0	15193	4394	6845
51617	1.5	42071	5216	26094
46893	0.4	83	49	91
46894	0.3	2	18	15
46895	0.2	14	26	66
46896	1.0	93	33	57
46897	1.0	108	18	181
46898	0.3	62	14	139
46899	2.0	81	648	1315
46899	0.4	98	147	424
46900	1.0	155	1482	1987





GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,912

PROFESSIONAL ENGINEER
D. M. BOHME
BRITISH COLUMBIA

INCO EXPLORATION AND TECHNICAL SERVICES INC.
Vancouver, B.C.
V6C 2X8

Project: PITT/TRINITY PROPERTY	Area: PITT ISLAND, B.C.

JUNCTION SHOWING;
GEOLOGY, ROCK SAMPLE LOCATIONS AND GEOCHEMISTRY (Cu, Pb, Zn)

Compiled by: Dennis Bohme/ Mark Slauenwhite	Drawn by: Ian Cassidy	Date drawn: 08/24/92	Revised: 02/26/93
Scale: 1:100	File: PIT021A.DWG	N.T.S.: 103 H/12	

MAP 4

INCO EXPLORATION AND TECHNICAL SERVICES INC.

Vancouver, B.C.
V6C 2X8

Project: PITT/TRINITY PROPERTY	Area: Pitt Island, B.C.	
B ZONE; GEOLOGY, SAMPLE LOCATIONS AND GEOCHEMISTRY (Cu, Pb, Zn)		MAP 5
Supervisor: Dennis Bohme	Instrument:	Survey date:
Compiled by: CB, MS, DR	Drawn by: Ian Cassidy	Date drawn: 10/06/92 — Revised:
Scale: 1:2000	File: PIT036.DWG	N.T.S. 103 H/12

PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — D. M. BOHME

LEGEND

- 8 — GNEISSIC DIORITE–GRANODIORITE
- 6 — MICACEOUS QUARTZITE
- 5 — MUSCOVITE – QUARTZ SCHIST
- 4 — FELDSPAR–BIOTITE–QUARTZ GRIT
- 4a — PYRRHOTITE–PYRITE RICH SULPHIDES
- 3 — PYRITE–BEARING BIOTITE–QUARTZ SCHIST
- 2 — AMPHIBOLITE; HORNBLENDE SCHIST
- 1 — BIOTITE–MUSCOVITE–GARNET SCHIST; INCLUDES CARBONACEOUS ARGILLITE
- OUTCROP
- GEOLOGICAL CONTACT; DEFINED, ASSUMED
- FOLIATION (STRIKE AND DIP)
- FAULT (INFERRED)
- DOMINANT PLUNGE OF HINGE LINE OF SMALL–SCALE FOLD
- L 212 — GEOPHYSICAL SURVEY GRID LINES
- 121697 ▲ — ROCK SAMPLE LOCATION AND NUMBER
- X — TALUS BOULDERS
- (C) — CAMP LOCATION
- Sx138814 ● — MOSS–MAT STREAM SEDIMENT SAMPLE LOCATION

Scale 1:2000
0 50 100 150 200 250
METRES

GEOLOGICAL BRANCH
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TRINITY 1
251318

GREN 1
251419

BSL 1
312877

BSL 2
312878

B CREEK SHOWING; SEE FIGURE 10

CHANNEL SHOWING
51913
51914
121713
121714

shear zone with irregular quartz veining and granite dykes which trend 175/75E, up to 3m wide

quartzite with milky white quartz veinlets parallel to the foliation

carbonaceous biotite quartz schist

carbonaceous biotite–quartz schist

gritty carbonaceous biotite–quartz schist

granite dyke

quartz veinlets

argillite with 3–4% disseminated pyrite parallel to the foliation

siliceous meta–siltstone

carbonaceous argillite

carbonaceous meta–argillite

quartz vein

chlorite–muscovite schist

intrusive dyke hosted by quartz muscovite–rich schist

2% disseminated pyrite

GRENVILLE CHANNEL

B CREEK

Lake

W.L.
78.0 ±

ANALYTICAL RESULTS

Sample No.	Width (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)
46886	1.0	118	38	718
46887	0.3	95	7	1861
46888	1.0	118	58	1274
51901	0.4	57	11	503
51902	0.4	167	15	428
51903	0.4	149	4	531
51904	1.0	151	14	1250
51905	1.0	46	10	643
51906	1.0	40	11	337
51907	1.0	108	5	1934
51908	1.0	69	6	57
51909	1.0	53	7	1355
51910	1.0	3	17	195
51911	0.5	72	8	114
51912	1.0	30	13	124
51913	1.0	1225	1789	568
51914	1.0	119	54	446
51915	1.0	78	6	1466
51916	1.0	50	16	208
51917	1.0	65	10	315
51918	1.0	5	13	106
51919	1.0	74	9	416
51920	1.0	35	10	507
51921	1.0	82	6	5294
51922	1.0	14	17	43
51923	0.5	43	9	1144
51924	0.9	111	4	462
51925	0.5	15	14	82
51926	0.5	29	7	2447
51927	0.5	130	12	1949
51928	0.5	96	10	2197
51929	0.5	48	15	956
51930	0.5	127	11	1159
51931	0.5	136	11	1020
51932	0.5	65	4	181
51933	0.5	22	4	33
51934	0.5	232	7	835
51935	0.3	52	5	700
51936	0.6	13	17	140
51937	0.6	105	12	96
51938	0.5	90	18	251
51939	0.5	93	17	219
51940	0.5	30	150	7798
51941	0.5	176	27	874
51942	0.5	8	15	22
51943	0.5	52	15	1070
51944	0.5	13	5	128
51945	1.0	7	4	21
51946	0.5	7	6	21
51947	0.5	80	6	865
51948	0.5	39	17	219
51949	0.5	17	11	12
51950	0.5	12	15	14
51951	0.5	63	31	95
51952	0.5	212	280	1129
51953	0.5	13	7	17
51954	0.5	78	16	128
51955	0.5	15	4	1
51956	0.5	748	17	171
51957	0.5	750	101	1870
51958	0.5	150	8	2425
51959	0.5	117	79	524
51960	0.5	15	4	12
51961	0.5	94	5	304
51962	1.0	98	7	167
51963	1.0	62	11	267
51964	0.8	64	12	352
51965	0.8	120	30	1336
51966	0.5	94	4	1774
51967	0.8	96	9	2386
51968	0.5	153	19	510
51969	0.5	132	18	748
51970	3.0	82	10	1069
51971	1.0	3	10	46
51972	1.0	37	15	56
51973	1.0	71	9	946
51974	1.0	59	10	646
51975	1.0	59	10	573
51976	1.0	138	17	924
51977	1.0	55	16	461
51978	0.5	137	14	1153
121589	1.5	74	8	245
121697	0.5	76	4	1177
121698	0.5	31	4	24
121699	0.5	89	14	1580
121700	0.5	60	11	798
121701	0.5	175	14	2340
121702	0.5	7	19	138
121703	0.5	185	5	1240
121704	0.5	94	18	1402
121705	0.5	65	5	178
121712	0.5	141	33	556
121713	0.5	110	20	396
121714	0.5	3646	5584	1723
121715	0.2	5306	4361	4990
121716	0.2	145	47	408
121718	0.2	134	65	515
121719	0.2	153	41	493
121724	0.5	257	27	771
121725	0.5	123	56	343
121727	0.4	1	12	132
121728	0.4	65	10	1013
121729	0.4	69	9	535
121730	0.4	183	16	2311
121731	0.4	107	13	2019
121732	0.4	36	6	397
121733	0.4	122	17	2376
134927	silt	62	12	101
138803	silt	11	4	42
138804	silt	11	4	45
138805	silt	42	32	119
138808	silt	10	9	36
138813	silt	12	16	51
138814	silt	1	4	16
138815	silt	1	2	16

7500E

8000E

8500E

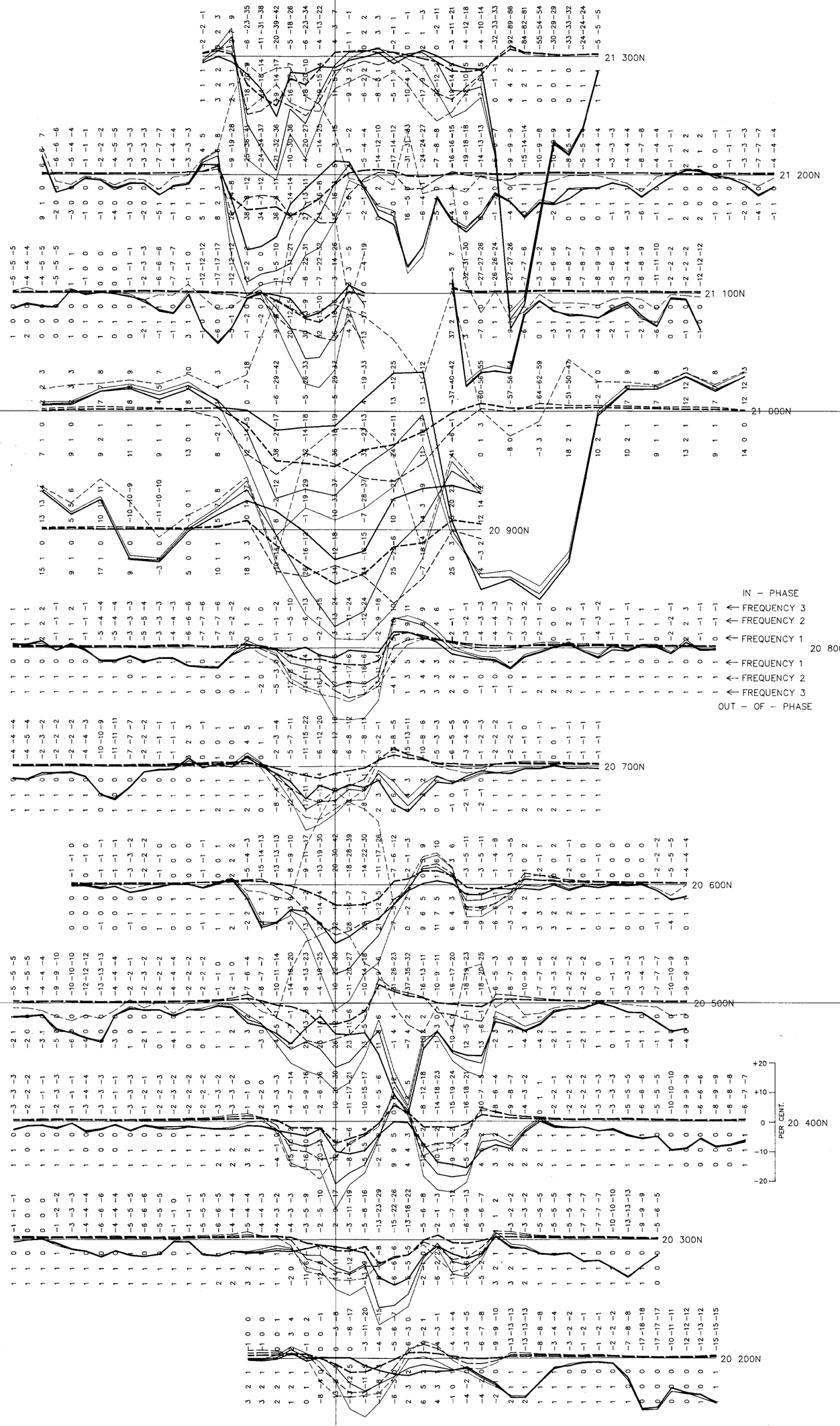
22 000N

21 500N

21 000N

20 500N

20 000N



N

GEOLOGICAL BRANCH
ASSESSMENT REPORT

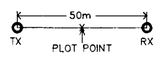
22,912

LEGEND

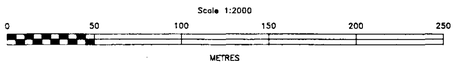
	IN–PHASE	OUT–OF–PHASE
FREQUENCY 1: 440 Hz	———	- - - -
FREQUENCY 2: 1760 Hz	———	- - - -
FREQUENCY 3: 3520 Hz	———	- - - -

PROFILE SCALE: 1cm=10%

COIL CONFIGURATION



TRAVERSE DIRECTION: E – W (GRID)
GENERAL STATION INTERVAL: 12.5m



CONTOUR LEVELS: 10nT, 100nT, 1000nT
SMOOTHING FILTER APPLIED

INCO EXPLORATION AND TECHNICAL SERVICES INC.

Vancouver, B.C.
V6C 2X8

Project: PITT/TRINITY PROJECT	Area: Prince Rupert, B.C.

HLEM SURVEY

MAP 6

Supervisor:	Instrument:	Survey date:	
Compiled by: Bob Lo	Drawn by: Ian Casidy	Date drawn: 12/03/92	Revised:
Scale: 1:2000	File: PITTHLEM.DWG	N.T.S.	

22 000N

21 500N

21 000N

20 500N

20 000N

7500E

8000E

8500E

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,912

Scale 1:2000

0 50 100 150 200 250

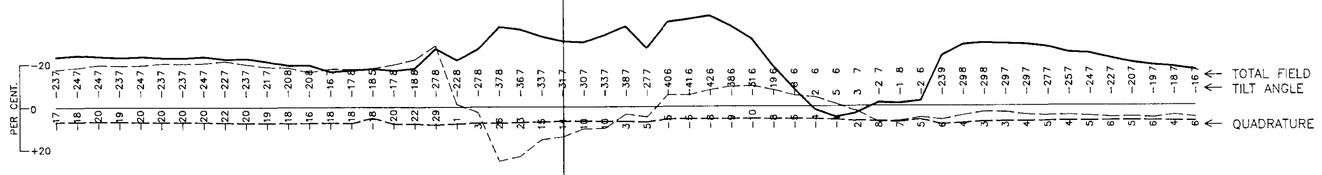
METRES

CONTOUR LEVELS: 10nT, 100nT, 1000nT
SMOOTHING FILTER APPLIED

INCO EXPLORATION AND TECHNICAL SERVICES INC.

Vancouver, B.C.
V6C 2X8

Project: PITT/TRINITY PROJECT		Area: Prince Rupert, B.C.	
MAGNETIC SURVEY			MAP 7
Supervisor:	Instrument:	Survey date:	
Compiled by: Bob Lo	Drawn by: Ian Casidy	Date drawn: 12/03/92	Revised:
Scale: 1:2000	File: PITTMAG.DWG	N.T.S.	



22 000N

21 500N

21 300N

21 200N

21 100N

21 000N

20 900N

20 800N

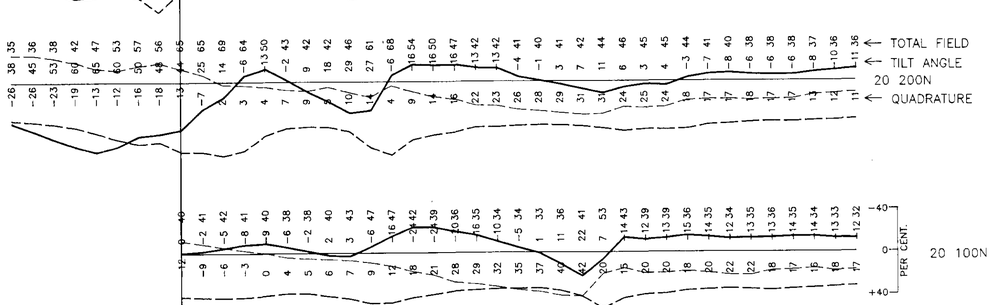
20 700N

20 600N

20 500N

20 400N

20 300N



20 100N

20 000N

7500E

8000E

8500E

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,912

READ FROM TRANSMITTER NLK

TILT ANGLE
QUADRATURE
TOTAL FIELD

Scale 1:2000

0 50 100 150 200 250

METRES

INCO EXPLORATION AND TECHNICAL SERVICES INC.

Vancouver, B.C.
V6C 2X8

Project: PITT PROJECT	Area: Prince Rupert, B.C.

VLF-EM SURVEY

MAP 8

Supervisor:	Instrument:	Survey date:	
Compiled by: Bob Lo	Drawn by: Ian Casidy	Date drawn: 03/23/93	Revised:
Scale: 1:2000	File: PITTVLF1.DWG	N.T.S.	