1229

1994 GEOLOGICAL, GEOPHYSICAL and LITHOGEOCHEMICAL REPORT on the CM PROPERTY

Barriere, B.C.

CM 1 to 7 Claims

KAMLOOPS MINING DIVISION

NTS 92P/8E

Lat: 51° 18'N Long: 120° 07'W

Owner:
INCO LIMITED

Operator:
INCO EXPLORATION AND TECHNICAL SERVICES INC. (IETS)
Suite 800, 666 Burrard Street
Vancouver, B.C.
V6C 2X8

Scott Casselman, P.Geo.
Cameron Bell, P.Geo.

SUMMARY

The CM property is underlain by oceanic, mafic volcanic and sedimentary rocks of the Fennel Formation of the Slide Mountain Assemblage. The Fennel Formation hosts the Chu Chua volcanogenic massive sulphide (VMS) deposit which has a reserve of 5 million tonnes grading 1.5% copper and is located 9 kilometres northeast of the CM property.

Copper, zinc and precious metals mineralization has been identified on the CM property at the Upper and Lower showings, where it is hosted in a chert/argillite horizon within tholeiitic basaltic rocks. Delineation of the mineralized horizon by diamond drilling has been difficult due to intense faulting and fracturing of the rock near the showings. High-grade copper has also been identified at the "Gold Zone", but it has been difficult to trace and its genesis is not fully understood.

The 1994 program focused on obtaining a better understanding of the geology, alteration, mineralization and structure. To this end, geological mapping, lithogeochemical sampling, line-cutting, MaxMin and magnetometer surveys were performed. This work determined that there are a number of sub-parallel, northerly trending chert or mixed chert/argillite horizons within the mafic volcanics. As well, a large zone (1.7 km x 150 m) of quartz-carbonate-chlorite alteration of the mafic volcanic rocks was identified in the footwall of the Lower and Upper showing horizon near the central part of the property.

The magnetometer survey identified an area of lower magnetic intensity which corresponds with the footwall alteration zone, indicating that alteration caused destruction of the magnetite. A number of weak magnetic highs were identified in the southern portion of the property, many of which coincide with MaxMin conductors. There is little to no outcrop exposure in this area, and the causes of the MaxMin anomalies are not known. A 1.7-kilometre long conductor was identified up-section from the alteration zone. This conductor is weak and, because of its long strike, is likely formational.

Recommendations for future work on the property include further geological mapping and lithogeochemical sampling on the northern part of the property, and drilling of the coincident MaxMin and magnetic anomalies.

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1.0 Introduction

1.1 General

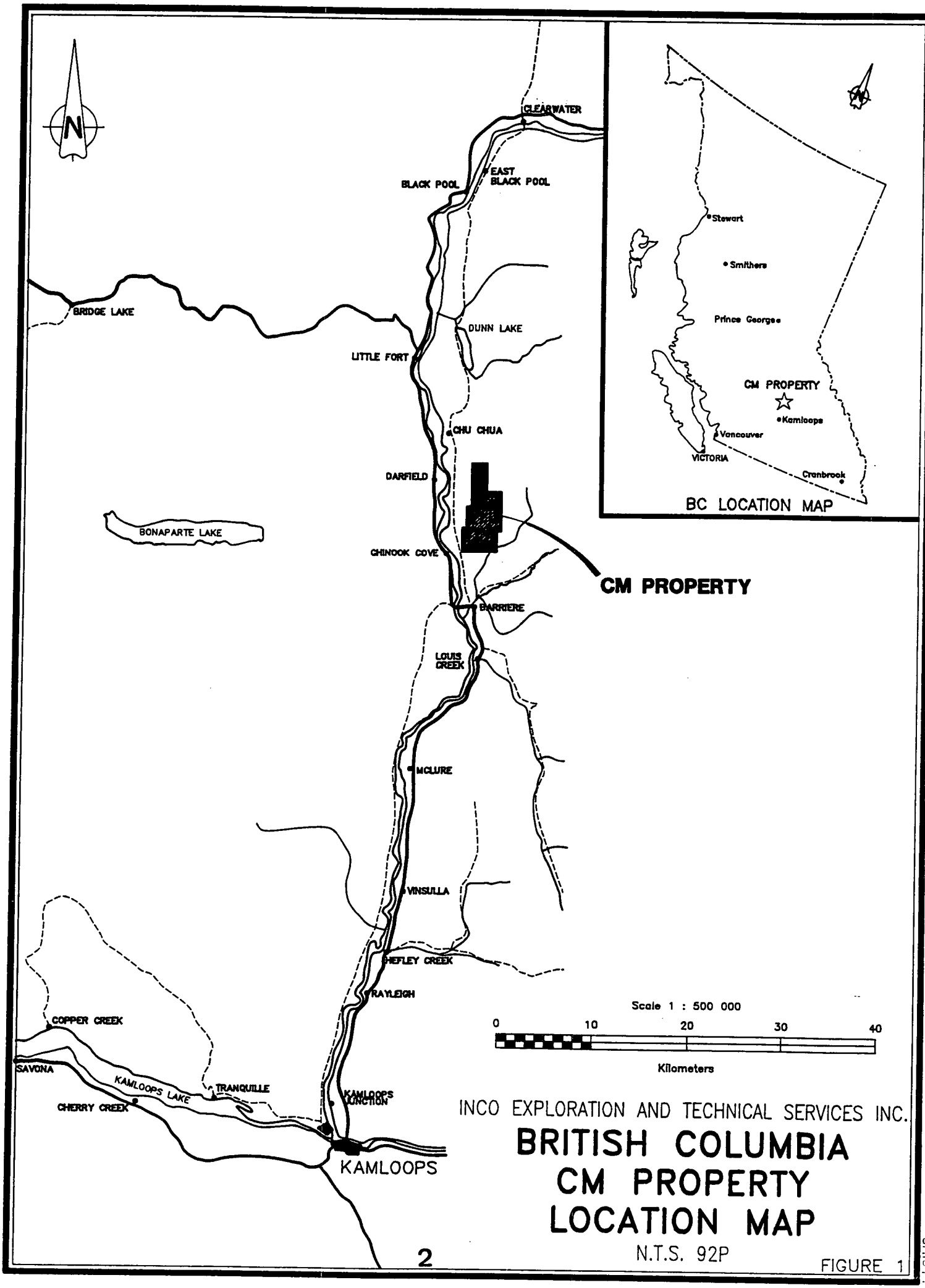
This report documents the 1994 field exploration program on the CM property. The program consisted of two phases of work. The first phase consisted of geological mapping, rock sampling and line-cutting conducted by Inco Exploration and Technical Services. The second phase consisted of MaxMin and magnetometer surveys conducted by Frontier Geosciences Inc. A separate report on the geophysical program, by Clifford Candy of Frontier, is included as Appendix III.

1.2 Location and Access

The CM property is located 12 kilometres north of the community of Barriere, B.C., or roughly 70 km north of Kamloops (Figure 1). The claims are on the east side of the Thompson River on NTS map sheet 92P/8E, and are centred at latitude 51° 18' North, longitude 120° 07' West.

Access to the property is by way of Highway #5 from Kamloops to Barriere. From Barriere there are two routes to the property. The Dunn Lake Road provides access to the north, and the Leonie Creek forestry road provides access to the south (Figure 2). The Dunn Lake road extends from Barriere 15 kilometres north, along the eastern side of the Thompson River, to the village of Chu Chua. From there, the Cold Creek logging road runs east one kilometre to the property. The Leonie Creek forestry road is accessed 2 km northeast of Barriere via the Barriere Lakes road. From the turn-off, the property is approximately 7.5 km north on the Leonie Creek road.

Access on the claims is by way of the Cold Creek road which winds through the northern part of the property and joins the Leonie Creek road to the south. Further access is provided by numerous gravel spur roads. The roads are in fair shape; in poor weather, 4X4 vehicles are recommended.


N
CLEARWATER
BLACK POOL
EAST BLACK POOL
BRIDGE LAKE
DUNN LAKE
LITTLE FORT
CHU CHUA
DARFIELD
BONAPARTE LAKE
CHINOOK COVE
CM PROPERTY
BARRIERE
LOUIS CREEK
McLURE
VINSULLA
HEFLEY CREEK
RAYLEIGH
COPPER CREEK
SAVONA
KAMLOOPS LAKE
TRANQUILLE
CHERRY CREEK
KAMLOOPS JUNCTION
KAMLOOPS
Stewart
Smithers
Prince George
CM PROPERTY
Kamloops
Vancouver
VICTORIA
Cranbrook
BC LOCATION MAP
Scale 1 : 500 000
0 10 20 30 40
Kilometers
INCO EXPLORATION AND TECHNICAL SERVICES INC.
BRITISH COLUMBIA
CM PROPERTY
LOCATION MAP
N.T.S. 92P
FIGURE 1

1.3 Physiography

The CM property covers the west slope of Chinook Mountain. Elevations on the property range from 580 metres in the west to 1430 metres in the east. Drainage on the property is predominantly from east to west; Newhykulston Creek which drains the north and central portions of the property and Skowootum Creek drains the south. Both creeks flow into the North Thompson River, 1 kilometre west of the western claim boundary. The North Thompson River flows from north to south and is at an elevation of 390 metres at the valley floor.

The mountain slopes are covered by second-growth spruce, fir, pine and poplar trees. The property has undergone recent logging activity in the central and southern portions. The climate is hot and dry in the summer and fairly mild in the winter with moderate amounts of snowfall from November to March. A forest fire burned the south and west portion of the property during early August of 1994.

1.4 Claim Information

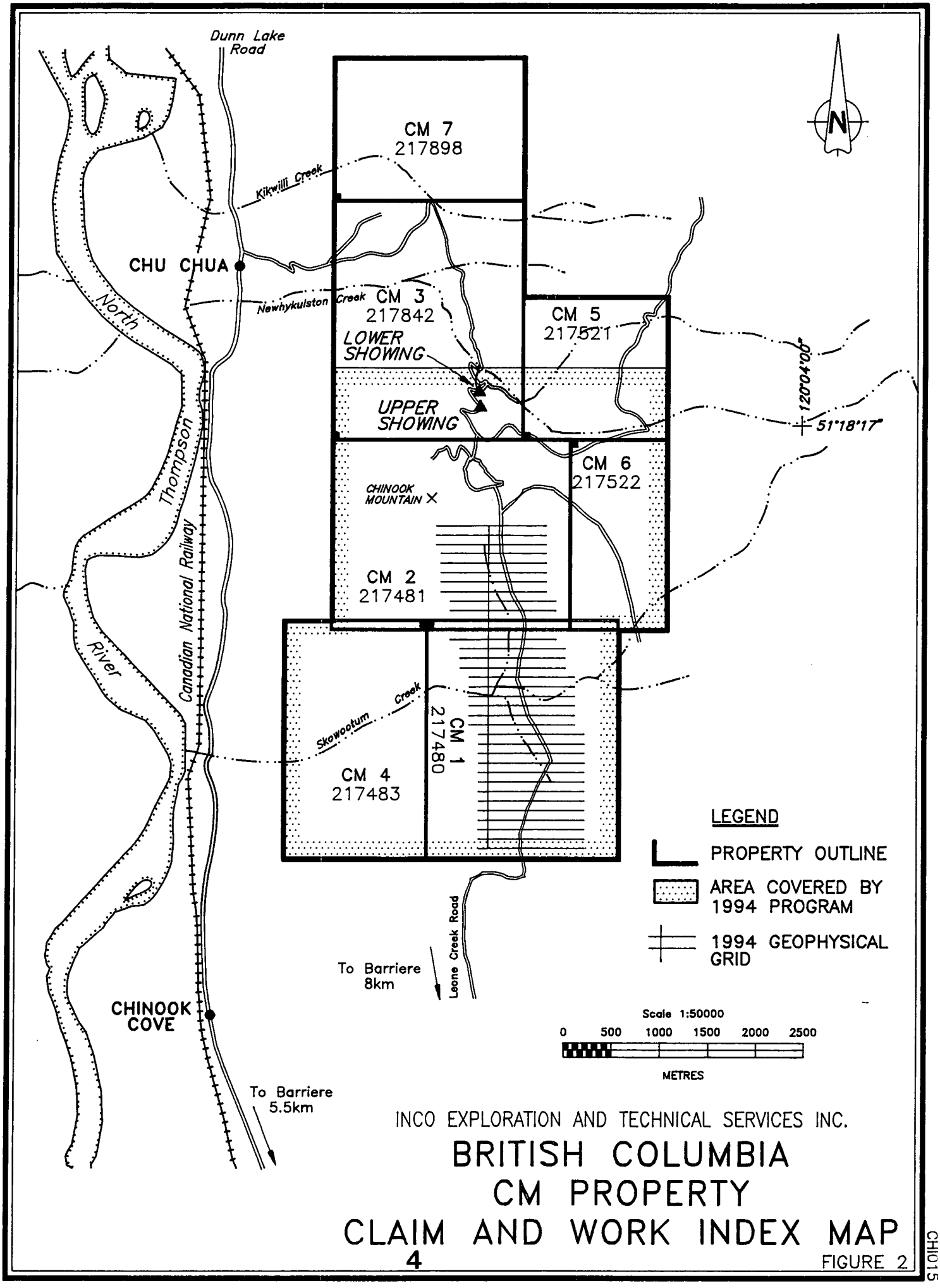
The CM property is in the Kamloops Mining Division and consists of 7 mineral claims comprising 104 claim units covering 2600 hectares (6425 acres). The claims have been divided into two claim groups; the Chinook Group consists of the CM 1, CM 3, CM 5, CM 6 and CM 7 claims; the Chinook 1 Group consists of the CM 2 and CM 4 claims (Figure 2). Claim data is as follows:

Table 1. CM Property Claim Information.

NAME	TENURE #	# OF UNITS	RECORD DATE day/mo/yr	EXPIRY DATE * day/mo/yr
CM 1	217480	20	13/09/85	13/09/96
CM 2	217481	20	13/09/85	13/09/96
CM 3	217482	20	13/09/85	13/09/96
CM 4	217483	15	13/09/85	13/09/96
CM 5	217521	9	30/12/85	30/12/96
CM 6	217522	8	30/12/85	30/12/96
CM 7	217898	12	03/11/87	03/11/96

* Expiry date is based on this report being accepted for assessment.

The claims are owned by Inco Limited of Copper Cliff, Ontario. Inco Exploration and Technical Services Limited of Vancouver is the operator of the project.



INCO EXPLORATION AND TECHNICAL SERVICES INC.

BRITISH COLUMBIA
CM PROPERTY
CLAIM AND WORK INDEX MAP

FIGURE 2

CHI015

1.5 Property History

The Barriere area has undergone extensive exploration since the 1950's, when massive sulphides were first discovered on Newhykulston Creek on what is now the CM property. This activity led to the discovery of the Chu Chua VMS deposit located 9 km north-northeast of the CM property. The reserve at Chu Chua is approximately 5 million tonnes of 1.5 % copper in a "Besshi-type" VMS deposit. The ground covered by the CM 1 to 7 claims has been explored by numerous companies since the initial discovery. Inco Limited evaluated the property in the summer of 1993 and acquired it on April 12, 1994. Table 2 outlines some of the more recent programs performed on the CM 1 to 7 claims:

Table 2. CM Property Historical Work Programs.

YEAR	COMPANY	WORK PERFORMED
1979	Noranda Exploration Company Limited	- established grid - 1021 soil and silt samples (Cu, Zn, Pb and Mo) - 48 line-km of vertical shootback E.M. and magnetic surveys
1979	Craigmont Mines Ltd.	- 2274 line-km of Airborne DIGHEM II surveying; part of which covered the CM claims - survey involved magnetic and EM data collection
1985 and 1986	BP Resources Canada Ltd.	- established 4 small grids (22.3 line-km) - MAX/MIN (444 and 1777 Hz) and magnetic surveys
1987	BP Resources Canada Ltd.	- expanded grids by 7.3 line-km - 6.6 line-km of MAX/MIN (444 and 1777 Hz) - 563 soil samples (32 elements by ICP and Au by AAS) - 2 diamond drill holes totalling 243 m
1988	BP Resources Canada Ltd. and Skylark Resources Ltd.	- geological mapping - 3 line-km MAX/MIN (444 and 1777 Hz) - extended soil geochem grid 200 m west, collected 150 samples (30 elements by ICP and Au by AAS) - 9 trenches totalling 355 m - 17 diamond drill holes totalling 1,985 m
1989	Minnova Inc.	- 25.7 km of line-cutting - geological mapping and lithogeochemical sampling (204 rocks for whole rock analysis) - 992 soil samples (Ag, As, Cu, Pb, Sb, Zn and Au) - 26 line-km of MAX/MIN (444 and 1777 Hz) and magnetic surveys - minor trenching - 5 diamond drill holes totalling 585 m
1990	Minnova Inc.	- 22.5 km of line-cutting (mainly on grid C north) - geological mapping and lithogeochemical sampling (69 rocks for whole rock analysis) - 647 soil samples (Ag, As, Ba, Cu, Pb, Sb, Zn, Au) - 19.1 line-km of HLEM surveying on grid C north - 37 reconnaissance soil samples (Ag, As, Ba, Cu, Pb, Sb, Zn and Au) west of Gold Zone - HLEM (2.4 line-km) and Pulse EM (7.72 line-km) surveys on Grid C South - 3 diamond drill holes totalling 594 m
1993	Inco Exploration and Technical Services Inc.	- geological mapping and lithogeochemical sampling (35 rocks for ICP-32, whole rock and INAA analysis) - re-interpretation of geochemical and geophysical data

1.6 1994 Work Program

The 1994 field exploration program on the CM property was conducted in two phases. The first phase consisted of geological mapping, rock sampling and line cutting. The geological mapping and sampling was conducted by Cameron Bell and Scott Casselman of Inco Exploration and Technical Services from May 9 to June 17. Line-cutting at 100 metre spacing was initiated by four Inco personnel from June 20 to July 4 (28.6 km), and was completed by a 2-man Amex Exploration Services crew from July 15 to 19 (8.8 km). Forest fires in the region delayed the second phase of the program, which was conducted in late August and consisted of magnetometer and MaxMin EM geophysical surveys by Frontier Geosciences Inc. The magnetometer survey covered 38 line-kilometres at 12.5 metre station intervals and the MaxMin survey of 36 line-kilometres at 25 metre intervals. A report on the geophysical surveys was prepared by Clifford Candy of Frontier Geosciences Inc. and is included as Appendix III. The areas covered by the mapping and sampling program and the geophysical grid are illustrated in Figure 2.

2.0 Geology

2.1 Regional Geology

The Adams Plateau-Clearwater-Vavenby map area was mapped at 1:100,000 scale by Schiarizza and Preto (1987). The area is on the western edge of the Omineca Belt and is underlain by the Fennel Formation of the Slide Mountain Assemblage to the west and by the Eagle Bay Assemblage to the east (Figure 3).

The Early Cambrian to Mississippian Eagle Bay Assemblage is in the pericratonic Kootenay Terrane and consists of metasedimentary and metavolcanic rocks which are repeated in four northwest-dipping thrust sheets. The assemblage is comprised of a Lower Palaeozoic succession of clastic metasediments, carbonate and mafic metavolcanic rocks, and an overlying Devono-Mississippian succession of felsic to intermediate metavolcanic rocks and metasediments. The Homestake and Rea VMS deposits are hosted by intermediate to felsic metavolcanic rocks of the Lower Devono-Mississippian succession.

The Slide Mountain Assemblage is part of Slide Mountain Terrane and consists of the Devonian to Middle Permian Fennel Formation. The formation is an oceanic sequence consisting of two major divisions. The structurally lower (eastern) division comprises a heterogeneous assemblage of bedded chert, gabbro, diabase, pillowed basalt, clastic metasediments, quartz-feldspar-porphyry rhyolite and intraformational conglomerate. The upper (western) division consists almost entirely of pillowed and massive basalt with gabbro and minor bedded chert and argillite. Both intrusive and extrusive mafic igneous rocks are tholeiitic. Tops throughout the succession consistently face west.

The Fennel Formation and Eagle Bay Assemblage are intruded by mid-Cretaceous granodiorite and quartz-monzonite of the Raft and Baldy batholiths. The package is locally overlain by Eocene Kamloops Group volcanic and sedimentary rocks and Miocene lavas.

The map area is dominated by easterly-directed thrust faults which imbricate the Fennel Formation and separate it from the underlying Eagle Bay Assemblage. Tectonic emplacement of the Fennel Formation over the Eagle Bay Assemblage was followed by southwesterly-directed folding and associated thrust faulting. Folding and fabrics associated with this event are evident in the Eagle Bay Assemblage, but are rarely seen in the Fennel Formation.

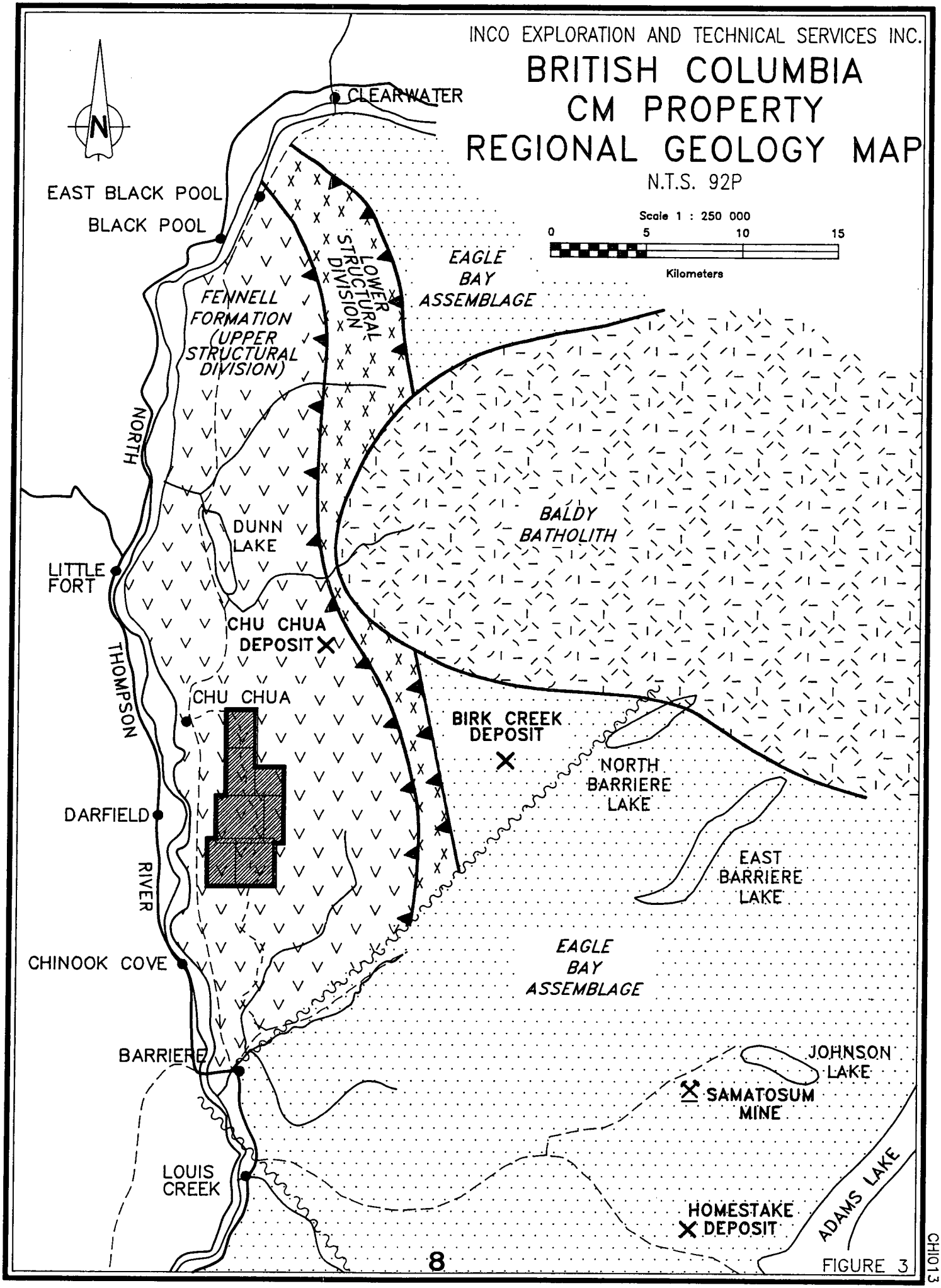


FIGURE 3

CHI013

2.2 Property Geology

2.2.1 Introduction

The 1994 geological mapping program focused on the central and southern parts of the property. Information collected during this program was synthesized with work from previous years and is plotted at 1:5,000 scale on Figures 13, 14 and 15. Figure 17 is a 1:10,000 scale compilation map of geological and geophysical information from the 1994 and previous programs. Geological units discussed below are followed, in brackets, by the corresponding map symbols as they appear on Figures 13, 14, 15 and 17.

2.2.2 Lithology

The property is underlain by rocks of the Upper Fennel Formation which is comprised predominantly of mafic volcanic and sub-volcanic rocks (90%) with lesser lenses and beds of chert and argillite (10%). The sequence youngs westward, in agreement with regional trends. The Upper Fennel is intruded by small plugs of granodiorite of the Baldy Batholith in the eastern portion of the property. Narrow dykes of diorite to granodiorite of probable Baldy Batholith origin cut the volcano-sedimentary pile in a roughly southwest-northeast direction.

The intrusive and extrusive volcanic rocks are chemically similar as is demonstrated in the Lithogeochemistry section of this report (Section 3.2). The mafic volcanic rocks are classified as low potassium, ocean floor tholeiites and are believed to have formed in an oceanic rift environment. Basalts are aphanitic to fine-grained, medium to dark grey or green in colour, and are variably pillowed **(Bp)**, massive **(Bm)**, and variolitic **(Bv)**. The massive flows are fairly homogeneous and structureless and up to tens of metres thick. In many places it is difficult to distinguish pillowed varieties from the massive flows because of the fine-grained nature of the rock. Often pillowed varieties can only be discerned by peeling moss from the outcrop to expose the pitted rims outlining the pillows.

Pillowed basalt occurs as masses up to several tens of metres thick which pass both laterally and vertically into unpillowed basalt. Individual pillows range from a few centimetres to over a metre across. They have narrow selvages (up to 1.5 cm), sharp outer contacts, gradational inner contacts and occasionally contain variolites occupying a zone several centimetres wide near their outer margins. The variolites are up to 2 millimetres in diameter and can form up to 25% of the rock. Intra-pillow material is generally aphanitic and quartz-epidote rich. Hyaloclastite occasionally occurs between pillow lobes with interpillow chert and sediments. These rocks lack vesicles and amygdules which may be an indication of deep water origin.

Gabbro (**gb**) and diabase (**db**) intrusive rocks are observed predominantly in the eastern and central portion of the property. These rocks are fine to medium-grained, and generally have a blocky joint pattern. The intrusions are interpreted to be sills, although good exposures of contact relationships are rare. Gabbro dykes are also present, cutting sediments and extrusive volcanic rocks. The dykes and sills appear to be synvolcanic with the basalt and may represent feeders to the overlying flows.

The argillite (**arg**) units range from 1 to greater than 30 metres thick. They are massive and locally contain 2-3% pyrite as disseminations and blebs. The argillite is non-graphitic to highly graphitic, locally siliceous near chert beds, and in places is rhythmically laminated with chert in alternating 1 centimetre thick layers. A good exposure of the laminated chert/argillite up to 40 metres thick can be seen in the south-central portion of the property. A poorly exposed chert/argillite unit appears to underlie the north-south depression running through the centre of the property. This unit is approximately 200 metres wide and is cut by gabbro intrusions.

Chert (**ch**) units are amorphous, light grey to buff coloured, weakly bedded and are interpreted to be of exhalative origin. Locally, chert horizons are argillaceous or tuffaceous. The chert horizons contain only minor amounts of finely disseminated sulphides (mainly pyrite). However, chert in the Lower and Upper showing areas and in drill core contain up to 10% sulphides and variable amounts of magnetite. The chert beds range from less than 1 to approximately 10 metres thick. The thicker chert beds are more common in the north-south trending central depression which bisects the property.

An outlier of the Cretaceous Baldy Batholith (**Kg**) is exposed along the eastern margin of the central part of the property. The intrusive body is medium-grained, granodioritic in composition and contains approximately 10% biotite. The size of the intrusion was not delineated. Narrow dykes (1 to 3 metres wide) of granodioritic to dioritic (**d**) composition were observed in the west-central portion of the property. They trend north-easterly with a sub-vertical dip and are believed to be related to the Cretaceous plutonism of the Baldy Batholith.

2.2.3 Alteration and Mineralization

The mafic volcanic rocks are pervasively weakly chloritized with local epidote and silica alteration indicating regional greenschist facies metamorphism. Rare, patchy dolomitization of the mafic volcanic rocks was observed as an orange-brown discolouration at scattered locations on the property, especially in the Gold Zone (Figure 14). The 1994 mapping program partially delineated a zone of intense quartz $\pm$ calcite veining with variable chlorite alteration and silicification in the east-central portion of the property. This alteration zone is roughly conformable to bedding and occurs over a strike length of 1.7 kilometres and a width of approximately 150 metres, from line 7900 to 9600N and from 104500 to 10600E. It occurs in pillowed and variolitic basalt in the stratigraphic footwall to the central chert/argillite horizon that hosts the Lower and Upper Showings. Chlorite alteration observed on weathered surfaces as dark grey-green patches within light grey, weakly chloritized rock. Quartz $\pm$ calcite veining

is more intense within the dark grey-green chloritized patches and locally displays a "ladder vein" type morphology. Variolites are most common on the margins of the chloritic patches and are rarely cut by the quartz/calcite veinlets. Silicification is erratic in the alteration zone.

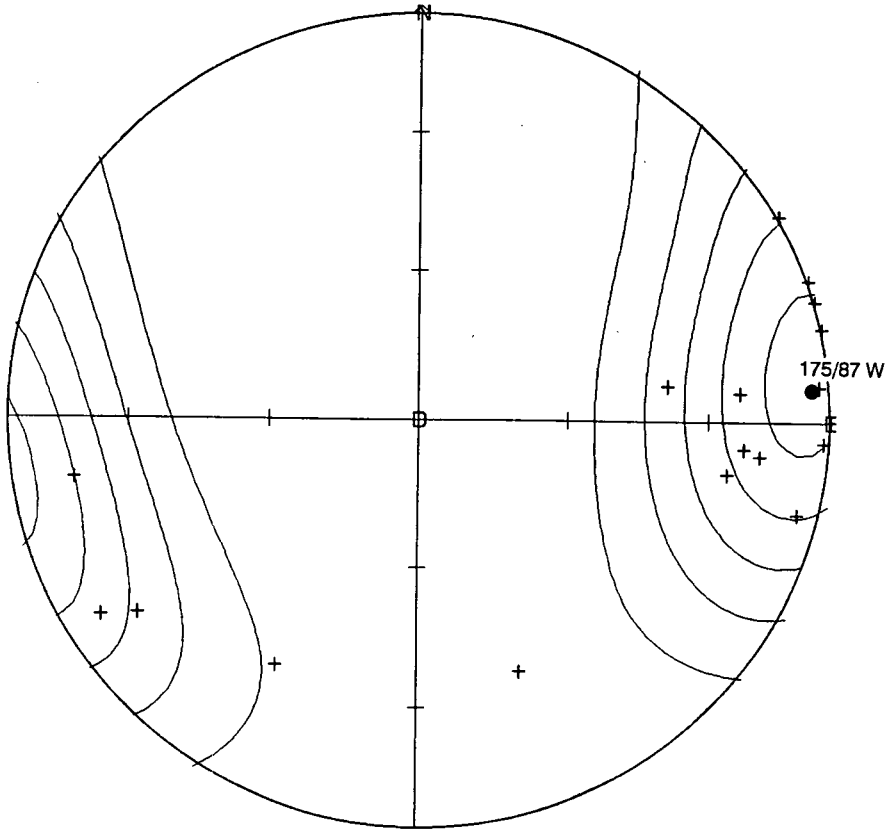
Examination of drill core from the Lower and Upper Showing revealed the basalt in the vicinity of the mineralized zone to be intensely silicified. In some cases the primary volcanic textures are difficult to discern due to silicification. Sulphides at the Lower Showing consist of semi-massive to disseminated pyrite > chalcopyrite > sphalerite in a chert/argillite unit. Surface trenching by previous workers returned values of 5.7% copper, 29.7 g/t silver and 2.95 g/t gold over 3.4 metres. The Upper Showing consists of massive magnetite with up to 10% disseminated sulphides (pyrite and chalcopyrite) in chert. Previous trenching of the massive magnetite returned values of 0.4% copper and 2.0 g/t gold over 3.0 metres.

The Gold Zone is characterized by vuggy quartz-carbonate fracture-filling which is anomalous in gold and may represent a late stage epithermal event. The mafic volcanic rocks have patchy dolomitization. Mineralization in drill hole 87-2 from the Gold Zone consists of semi-massive pyrite and chalcopyrite in a silica-rich sediment. The intersection grades 4.8% copper, 0.2% zinc, 14.1 g/t silver and 0.12 g/t gold over 2.9 metres. Numerous subsequent drill holes in the area were unsuccessful at expanding this intersection.

2.2.4 Structural Geology

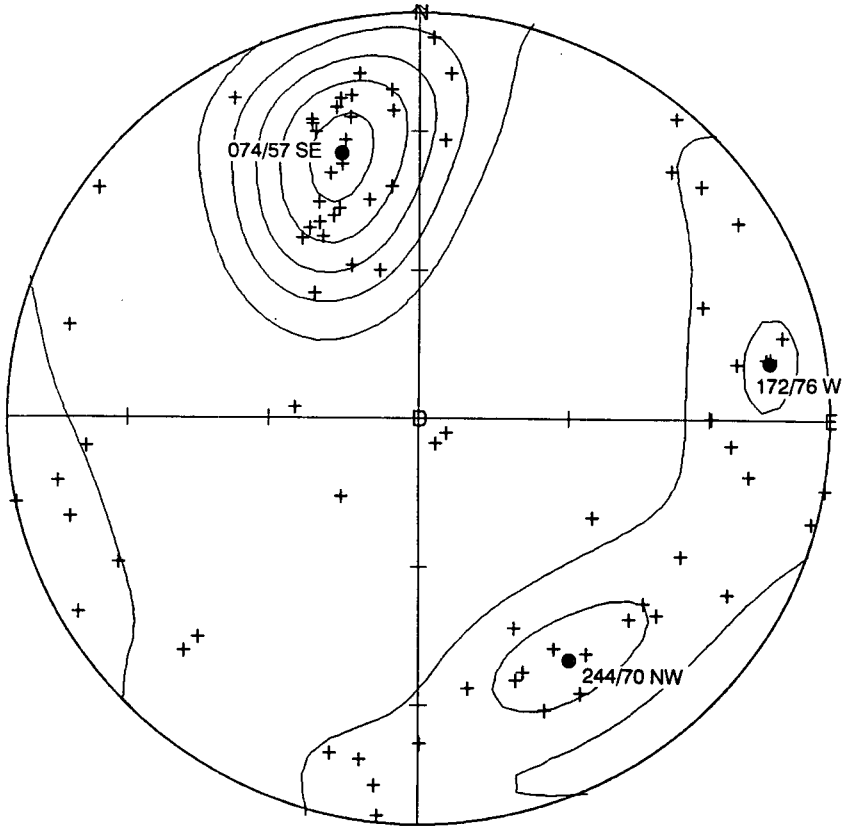
Structural interpretation of the geology of the CM Property involved identification of airphoto lineations, macroscopic field observations and numerous bedding and joint/foliation measurements. Figure 4 is a stereonet plot of bedding measurements from the 1994 mapping program. Local folding and faulting of beds gives a few erratic measurements; however, the majority of the readings show roughly north-south strike with a near vertical dip. The average bedding orientation from all measurements is 175/87 west.

Figure 4 is a stereonet plot of joint and/or foliation measurements. Three prominent structural orientations are indicated. The dominant trend is 074/57 southeast which is readily observed in the field as prominent joints in the western portion of the property and as lineations on airphotos. The two remaining orientations indicated on Figure 5 are 244/70 northwest and 172/76 west. The three orientations are sub-orthogonal. The 172/76 west trend is expressed as strong airphoto lineations which are parallel to the Newhykulston Creek Fault zone, a zone of brittly fractured rock up to 50 metres wide which runs north-south through the property and is sub-parallel to bedding. The fault runs through the Lower and Upper showing area and has made drilling of these targets very difficult due to the blocky nature of the ground. Further south of the showings, the fault zone coincides with a MaxMin geophysical conductor which can be traced for 2 kilometres.



N = 19

Figure 4. Stereonet Plot of Bedding Measurements



N = 76

Figure 5. Stereonet Plot of Joint/Foliation Measurements

3.0 Geochemistry

3.1 Introduction

A total of 140 rock samples were collected and sent for geochemical analysis in 1994. All samples were sent to Chemex Labs Ltd. in Vancouver for crushing, pulverizing and analysis for 32 elements by Inductively Coupled Plasma (ICP). Of these, 138 samples were analyzed by X-ray Fluorescence (XRF) whole rock analysis. Seventeen pulps were analyzed for gold plus 34 element Instrumental Neutron Activation Analysis (INAA) by Activation Laboratories Ltd. of Ancaster, Ontario, and 60 pulps were analyzed by X-ray Fluorescence (XRF) for whole rock minor elements at Inco's laboratory in Copper Cliff, Ontario. Descriptions of the digestion and analytical procedures are included with the geochemical analytical certificates in Appendix II. Rock sample descriptions are included in Appendix I and sample locations with geochemical values for copper, zinc and silver are plotted on Figure 16.

3.2 Lithogeochemistry (Whole Rock Results)

Figures 6 to 11 are plots of whole rock analytical data to determine volcanic rock type, chemical affinity, and depositional setting. The SiO_2 content of the unaltered volcanic rocks indicates a basalt composition (Figure 6). Figure 7 is a Winchester & Floyd rock classification plot of Zr/TiO_2 versus Nb/Y, and shows the rocks to be of andesite to basalt composition. The mafic volcanic rocks appear to be of transitional to tholeiitic chemistry based on major element classification of Irvine & Baragar and Miyashiro (Figures 8 and 9, respectively). However, due to the possibility of major element mobility during metamorphism, discriminant diagrams based on relatively immobile trace elements may provide a more reliable indication of magmatic affinities and paleotectonic setting. Thus, the relatively immobile trace elements Ti, Zr and Y are used in Figures 10 and 11 to show the mafic volcanic rocks to be low potassium, ocean-floor tholeiites. The rare earth element spidergram for the basalts (Figure 12) have flat slopes suggesting mid-ocean ridge basalt affinity. This classification of the Fennel Formation basalts is in agreement with Schiarizza and Preto (1987).

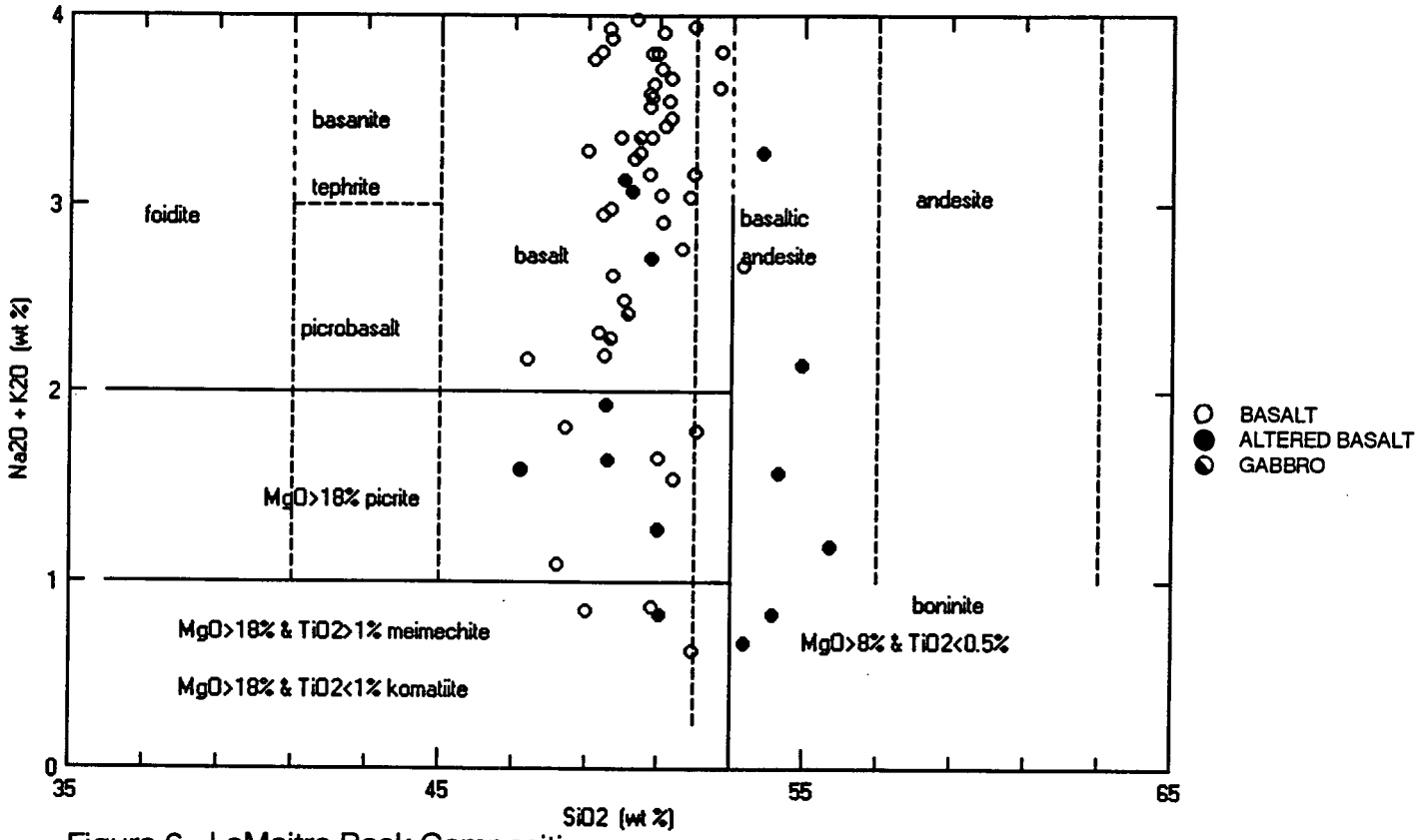


Figure 6. LeMaitre Rock Composition

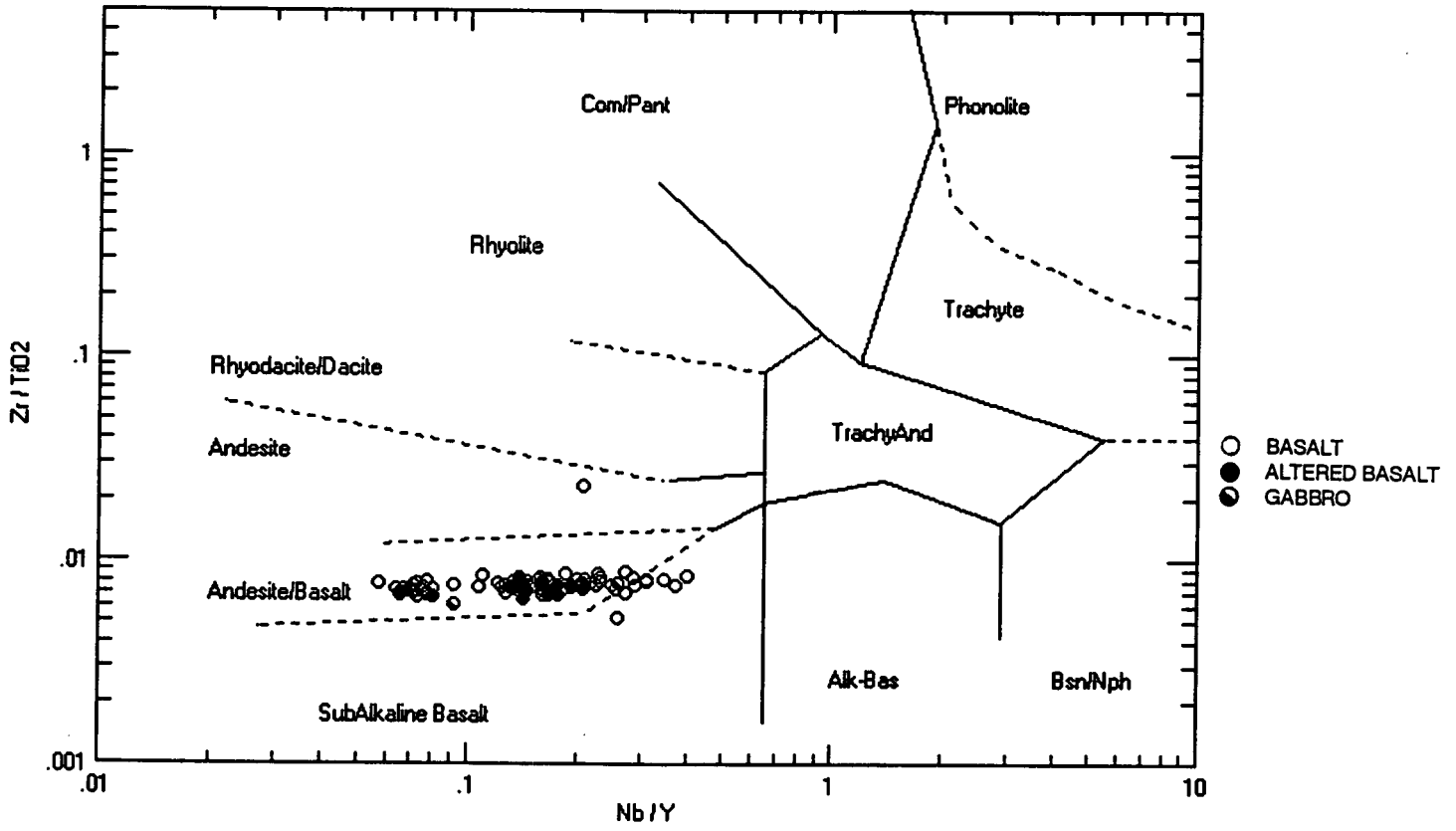


Figure 7. Winchester & Floyd Rock Composition

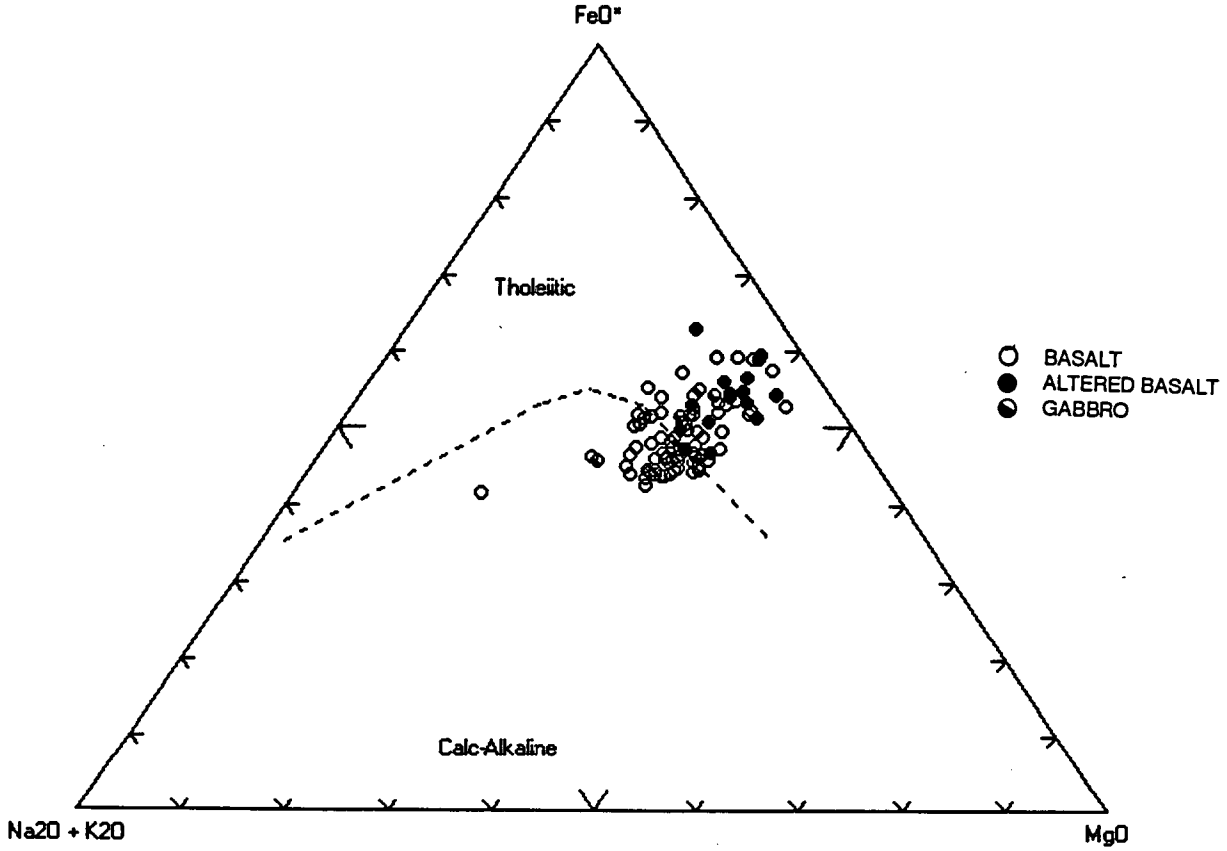


Figure 8. Irvine & Baragar Mafic Rock Affinity

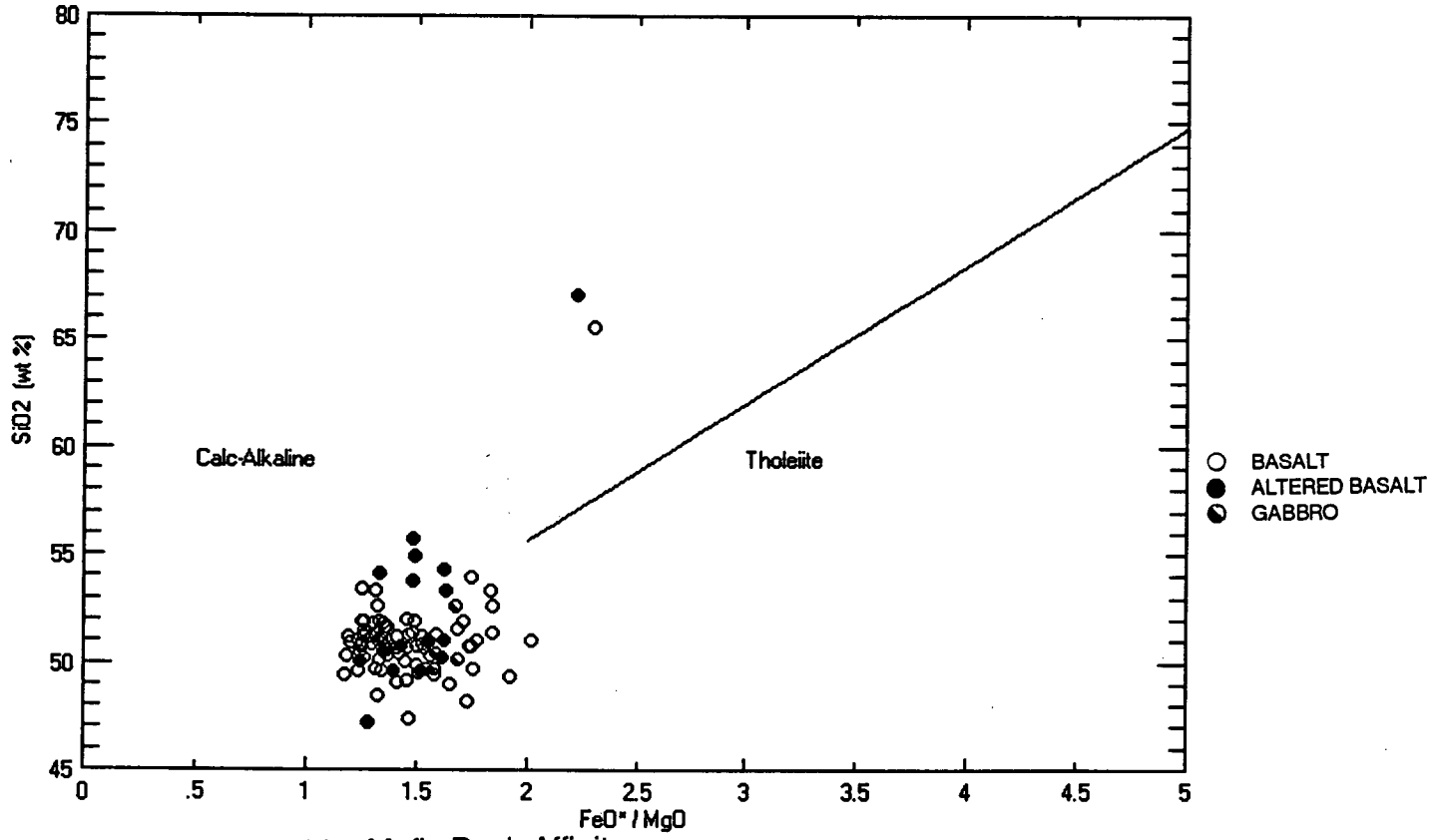


Figure 9. Miyashiro Mafic Rock Affinity

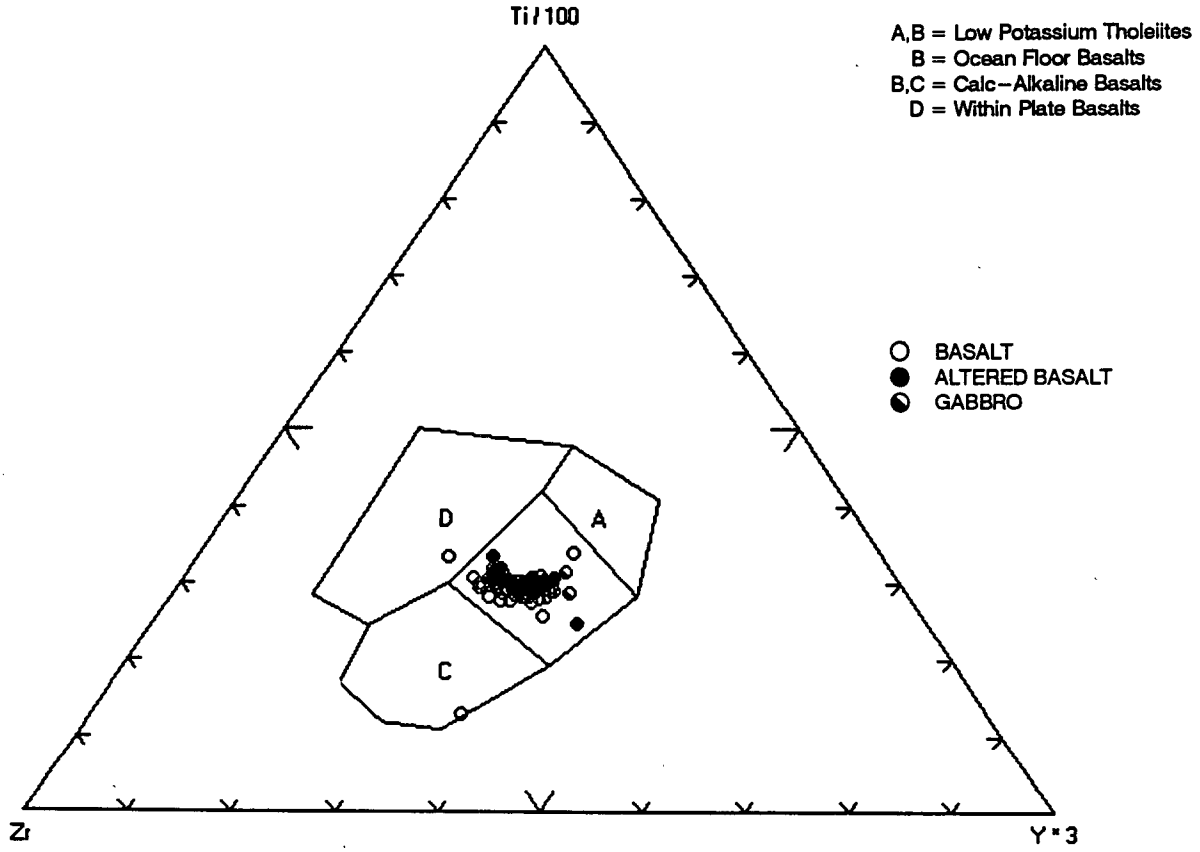


Figure 10. Pearce and Cann Rock Discriminant Ternary Plot

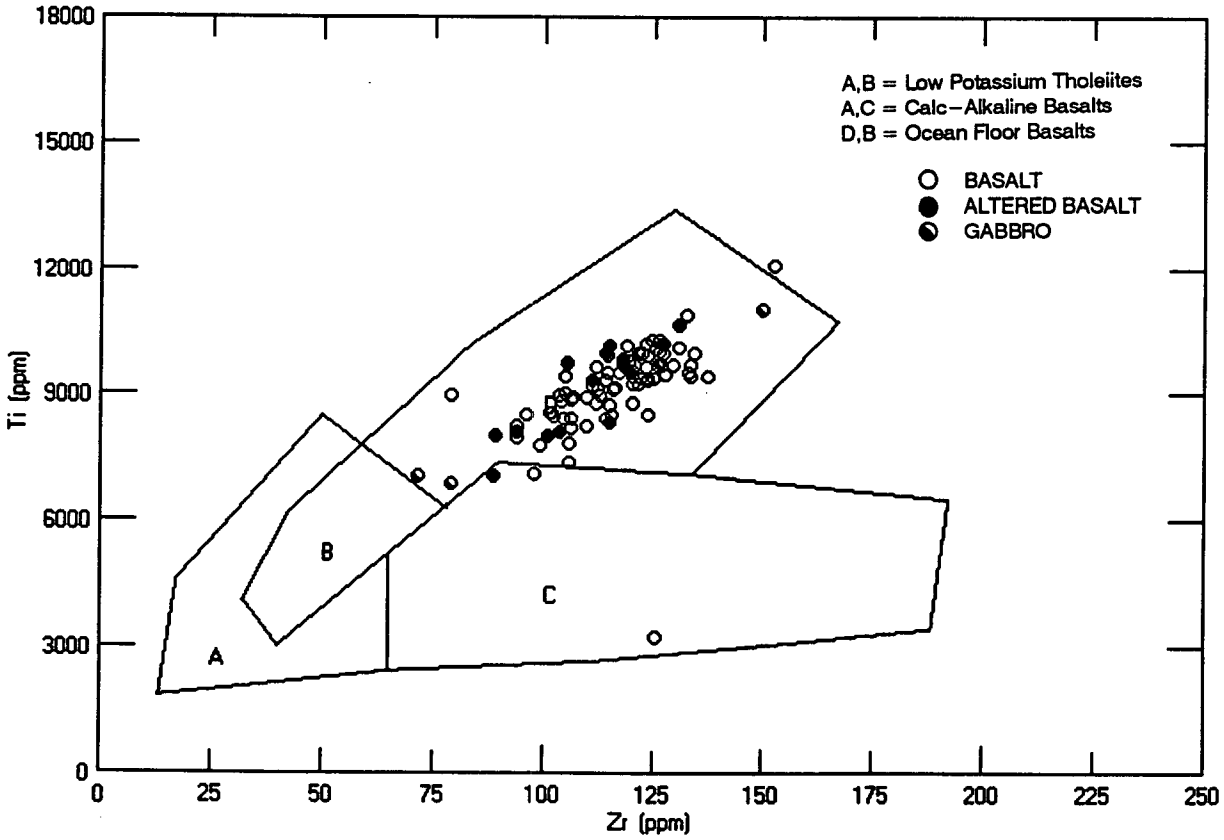


Figure 11. Pearce and Cann Rock Discriminant

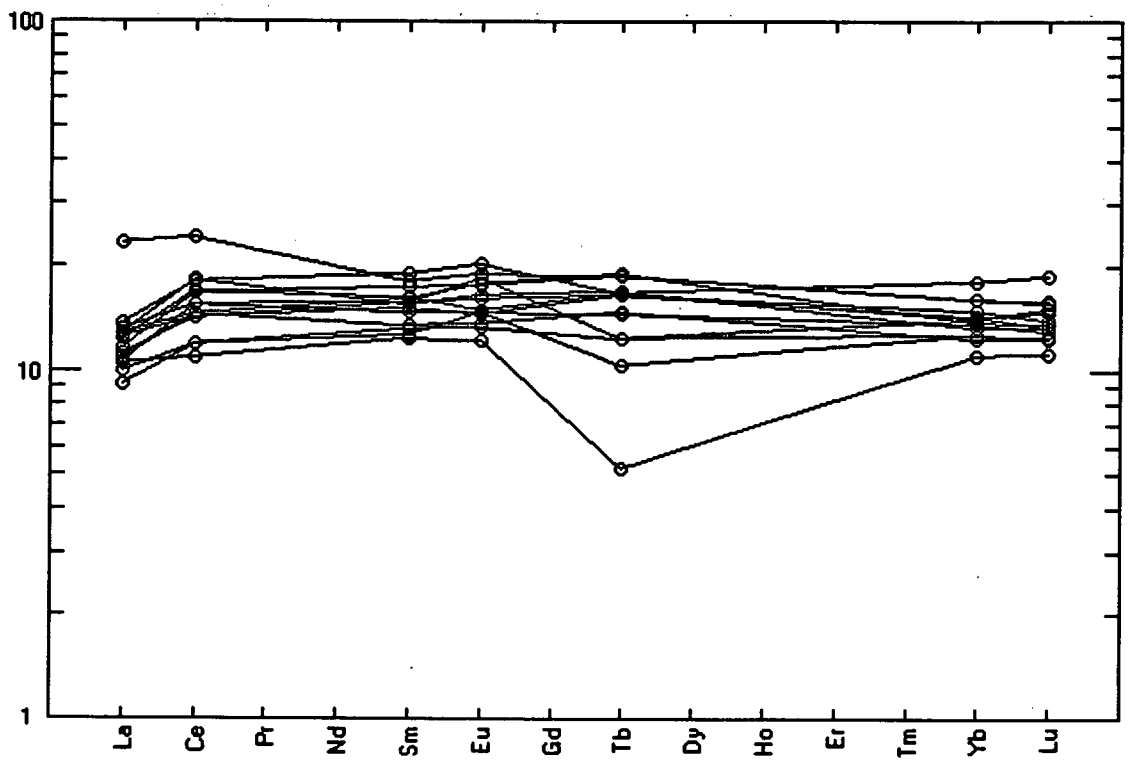


Figure 12. Rare Earth Element Spidergram

3.3 Rock Sample Results (ICP Results)

Three rock samples were collected from the Lower Showing which is intensely fractured by the Newhykulston Creek Fault. The fault is expressed as a 2 to 4 metre-wide gouge zone bordered by intensely brittly fractured rocks on either side. Sample RX 225501 is of the deep red-ochre coloured limonitic clay gouge zone approximately 2 metres wide adjacent to the sulphide-chert mineralization and contains 9087 ppm copper. Sample RX 225502 is of a ferricrete cap overlying the gouge zone and contains 4588 ppm copper. Rock sample RX 225503 is of a brittly fractured chert/sulphide zone adjacent to the gouge zone and contains 8898 ppm copper and 6540 ppm barium.

The fault zone has abundant acidic groundwater flow. The high copper content of the limonitic gouge and ferricrete is an indication the groundwater is transporting base metals and precipitating them at the surface as metal oxides. It is unknown whether the copper in solution is coming from local sulphide bearing rocks or is being transported from sulphide bearing rocks some distance away.

Rock sample RX 225504 is of a sulphide bearing chert which is 20 metres south and along strike of the Lower Showing and contains 10,900 ppm barium with anomalous copper (559 ppm). The high barium content of this sample and sample RX 225503 is believed to indicate a primary, syn-sedimentary origin to the bedded sulphide mineralization in the chert horizon. No significant base or precious metal values were obtained from samples collected outside of the Lower and Upper Showing area in 1994.

4.0 Geophysics

4.1 Introduction

Magnetometer and MaxMin surveys were conducted in late August on the 1994 grid which covers a north-south trending topographic depression in the central portion of the property. There is very little outcrop exposure in the depression and it is suspected to be filled by a substantial thickness of overburden. The report prepared by Cliff Candy of Frontier Geosciences addresses the details and instrumentation of the surveys and is included as Appendix III. The report includes a contoured map of the magnetometer data and three profiles of the MaxMin data at 444, 1777 and 3555 HZ. The following is a discussion of the relationship between Candy's geophysical interpretation and the current understanding of the geology of the property.

4.2 Magnetometer Survey Results

The magnetic relief in the survey area is fairly low (< 1,000 nT, Figure 2 in Candy's report). In general, mafic volcanic rocks are more magnetic than sedimentary rocks. However, magnetic highs in the western part of the grid are underlain by chert and/or argillite. The magnetic low in the north-central portion of the geophysical grid coincides with the chlorite/carbonate alteration zone and the hangingwall to this zone. This response may indicate a process of magnetite destruction occurred along with the chlorite/carbonate alteration. The magnetic highs in the southeastern portion of the grid are relatively weak, but are in an area of thick overburden which would weaken the magnetic field. These responses are considered significant and warrant follow-up.

4.3 MaxMin EM Survey Results

The MaxMin survey identified a number of sub-parallel north-northwest trending conductors (Figures 3, 4 and 5 in Candy's report). The magnetic low region has a series of weak, fairly continuous conductors (conductors A-D) stretching from L9800N/9975E to L8100N/10650E. These conductors occur up section from the alteration zone and are near the volcanic/sediment contact. They are parallel to and along strike with a MaxMin conductor, identified by Minnova in 1989, which continues to the north. The Minnova conductor was drilled and was deemed to be caused by the Newhykulston Creek Fault which contains graphitic material where it cuts argillite. Conductors G, H, I, M and N are fairly weak and may be a response to the contact between basalt to the west and sediments to the east. This relationship is exposed in outcrop at conductor N. The conductors in the southeastern corner of the grid (E, J, L and K), are coincident with magnetic highs and occur in an area where little is known of the geology due to thick overburden.

5.0 Conclusions and Recommendations

The CM Property is underlain by rift-related ocean floor tholeiitic massive and pillowed basalt, syn-volcanic gabbro dykes and sills, and interbedded argillite and chert of the Devonian to Permian Fennel Formation. The Fennel Formation is intruded by mid-Cretaceous granodiorite plugs and dykes of the Baldy Batholith.

Copper, zinc and precious metals mineralization has been identified and drilled at the Lower and Upper Showings, where it is hosted in a north-south trending chert/argillite horizon. The rocks in the area are intensely fractured by the Newhykulston Creek Fault. Delineation of the mineralized horizon by diamond drilling is very difficult. High-grade copper has also been encountered in drill holes in the Gold Zone, but has also proven difficult to trace.

The 1994 mapping and sampling program identified a large (1.7 km x 150 m) quartz-calcite-chlorite alteration zone in mafic volcanic rocks in the footwall to the sedimentary horizon that hosts the mineralization at the Lower and Upper showings, 2 kilometres to the north. This alteration zone, and the rocks stratigraphically overlying it coincide with a magnetic low, which may indicate a process of magnetite destruction. This alteration zone may be related to the sulphide mineralization at the Upper and Lower Showings.

The MaxMin survey identified numerous north-northwest trending conductors in the central portion of the property. The northern-most conductor set occurs over a distance of 2 kilometres, appears to be formational, and may represent the surface trace of the Newhykulston Creek Fault Zone. An extension of this conductor to the north was identified by a MaxMin survey conducted by Minnova in 1989. Minnova drilled the conductor and found its cause to be a graphite-bearing fault zone in argillaceous sediments.

Coincident magnetic high anomalies and MaxMin conductors in the southeastern corner of the property occur in an area of thick overburden cover with no outcrop. This area is believed to be underlain by sedimentary rocks of the central chert/argillite horizon that hosts the Lower and Upper Showings. Recommendations for further work on the property are to drill the coincident anomalies and to conduct further mapping and sampling on the northern portion of the property.

STATEMENT OF EXPENDITURES

Personnel			
C. Bell (Project Geologist)	42 days @ $350/day	$14,700	
J. Cuthill (Senior Geologist)	2 days @ $350/day	700	
J. Morin (Senior Geologist)	2 days @ $350/day	700	
S. Casselman (Geologist)	48 days @ $350/day	16,800	
I. Casidy (Field Tech./Drafting)	37 days @ $350/day	12,950	
R. Nesbitt (Field Technician)	12 days @ $350/day	4,200	
		$50,050	$50,050
Consulting Work			
Amex Exploration Services Ltd.			
Grid preparation (8.8 km)	5 days @ $670/day	$ 3,350	
Station markers	350 @ $0.37/station	130	
		$ 3,480	$ 3,480
Frontier Geosciences Inc.			
Mobilization/demobilization		$ 3,250	
MaxMin Survey (36 km)	9 days @ $1010/day	9,090	
Magnetometer Survey (38 km)	6 days @ $570/day	3,420	
Data processing, plotting and reporting		2,000	
		$17,760	$17,760
Geochemical Charges			
Chemex - sample preparation	140 samples @ $4.00/sample	$ 560	
Chemex - 32 ele ICP analysis	140 samples @ $4.70/sample	658	
Chemex - Whole Rock analysis	138 samples @ $21.00/sample	2,898	
Actlabs - 34 ele INAA + Au	17 samples @ $10.00/sample	170	
IETS - XRF analysis	60 samples @ $6.70/sample	402	
		$ 4,688	$ 4,688
Miscellaneous			
Room and board	114 man-days @ $90/man-day	$10,260	
Fuel and repairs for vehicle		1,330	
Flagging, sample bags, mylar, constr. supplies, etc.		2,768	
Reproductions, photocopying, etc.		200	
Secretarial assistance, computer usage, etc.		700	
		$15,258	$15,258
	TOTAL		$91,236

Allocation Declaration

1) 65% of the total cost or $59,304 is to be filed for assessment on the Chinook Group (CM 1, CM 3, CM 5, CM 6 and CM 7 claims)

2) 35% of the total cost or $31,932 is to be filed for assessment on the Chinook 1 Group (CM 2 and CM 4 claims).

STATEMENT OF QUALIFICATIONS

I, Scott Casselman, residing at #304 - 145 West 5th Street, North Vancouver, British Columbia, V7M 1J7, certify that:

1) I graduated from Carleton University, Ottawa, Ontario, with a Bachelor of Science Degree in Geology in the spring of 1985.

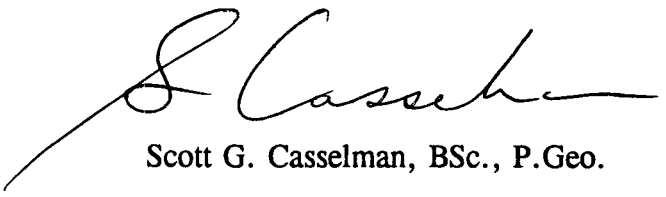
2) I have practised the profession of geology since graduation.

3) I am a member of the Association of Professional Engineers and Geoscientists of British Columbia as a Geoscientist.

4) I was employed by INCO Exploration and Technical Services in 1994.

5) The work documented in this report was conducted by myself and staff of INCO Exploration and Technical Services under the supervision of Cameron Bell in the summer of 1994.

Dated this 9th day of December, 1994, at Vancouver, British Columbia



Scott G. Casselman, BSc., P.Geo.

STATEMENT OF QUALIFICATIONS

I, Cameron C. Bell, residing at #15683 91st Avenue, Surrey, British Columbia, V4N 2X2, certify that:

1) I am a graduate of McMaster University with a Bachelor of Science (Honours) in Geology, 1987.

2) I have been employed in mineral exploration as a geologist with Inco Exploration and Technical Services since May of 1987.

3) I am a registered Professional Geologist in the Province of British Columbia.

4) I am a Project Geologist with Inco Exploration and Technical Services with offices at 800 -666 Burrard Street, Vancouver, B.C., V6C 2X8.

5) I personally carried out and supervised part of the work described in this report.

Dated this 9th day of December 1994, at Vancouver, British Columbia

Cam Bell

Cameron C. Bell, BSc., P.Geo.

REFERENCES

Casselman, Scott, 1993, 1993 Geological and Lithogeochemical Report on the CM Property, BCMEMPR Assessment Report.

Clarke, Tiro, 1990, 1989 Annual Report on the CM 1-7 Claims, Minnova Inc. private report.

Farmer, R., 1985, Barriere Project: Summary Report - 1985, BP Resources Company Report.

_____, 1988, Barriere Lake Project; CM Claims; 1988 Diamond Drilling, BCMEMPR Assessment Report #18039.

Farmer, R. and Hoffman, S.J., 1989, 1988 Summary Report on the Barriere Lakes Project, CM Claims, Trenching and Diamond Drilling, Prime Geochemical Methods Inc. private report.

_____, 1989, Summary Report - 1989: Barriere Lakes Project; CM Claims; Trenching and Diamond Drilling, BP Resources Company Report.

French, A and Clarke, T., 1990, 1990 Annual Report on the CM 1-7 Claims, Minnova Inc. private report.

Schiarizza, P. and Preto, V.A., 1984, Geology of the Adams Plateau - Clearwater - Vavenby Area, BCMEMPR Paper 87-2.

APPENDIX I

Rock Sample Descriptions

IETS

TRAVERSE NUMBER
NTS 92P/8E

PROJECT AREA CM PROPERTY BARRIERE, B.C.

GEOLOGIST(S) C. Bell
DATE

SAMPLE NUMBER	UTM NORTHING	UTM EASTING	ELEV. (m)	SAMPLE DESCRIPTION	LAB FILE #
RX 223906			1110	– CHERT, grab from an angular boulder (30x40x30 cm)	WR – A9416855
				– light grey–buff, well cleaved and fractured	ICP – A9416854
				– aphanitic, trace of euhedral pyrite along fractures	
RX 223907			1080	– BASALT, grab from outcrop	WR – A9416855
				– medium gray–green, massive, moderately fractured	ICP – A9416854
				– cut by occassional quartz veinlets up to 2 mm wide	INAA – 6441
RX 223908			1030	– CHERT, grab from an angular boulder(35x30x30 cm)	WR – A9416855
				– light grey, well bedded/cleaved, aphanitic, < 1% vfg disseminated pyrite	ICP – A9416854
RX 223909			1015	– BASALT, grab from outcrop	WR – A9416855
				– medium grey–green, massive, fine–grained, cut by rare quartz veinlets	ICP – A9416854
					INAA – 6441
RX 223910			1240	– PILLOWED BASALT, grab from outcrop	WR – A9416855
				– dark grey–green, fine–grained, with weak developement of variolites up to 2 mm along pillow margins	ICP – A9416854
				– cut by occassional quartz veinlets up to 3 mm wide	INAA – 6441
RX 223911			1280	– BASALT, grab from outcrop	WR – A9416855
				– medium grey–green, massive, fine–grained, unaltered	ICP – A9416854
					INAA – 6441
RX 223912			1220	– CHERT, grab from regolith – mechanically disturbed	WR – A9416855
				– Buff and dark grey bands, aphanitic, well bedded, locally cut by numerous x–cutting quartz veinlets up to 1 cm wide	ICP – A9416854
RX 223913			1215	– CHERT, grab from regolith – mechanically disturbed, talus	WR – A9416855
				– light grey with buff spots up to 3 mm, aphanitic, may have silty component	ICP – A9416854
RX 223914			1230	– PILLOWED BASALT, grab from outcrop	WR – A9416855
				– dark grey–green, massive with occassional pillows, locally variolitic, fine–grained	ICP – A9416854
				– cut by numerous quartz veinlets up to 2 cm wide	INAA – 6441
RX 223915			1320	– BASALT, possibly GABBROIC intrusive, grab from outcrop	WR – A9417585
				– dark grey–green, massive, fine–grained	ICP – A9417583
					INAA – 6511
RX 223916			1310	– CHERT, grab from outcrop	WR – A9417585
				– light grey to buff, weak internal bedding, bedding trends 150/90	ICP – A9417583
				– unit is approximately 2 m wide, a second chert bed (~1 m wide) parallels this unit	
RX 223917			1310	– BIOTITE GRANODIORITE, grab from outcrop	WR – A9417585
				– white and black, light grey to white on weathered surface, massive, ~10% biotite, weakly magnetic	ICP – A9417583
				– outlying intrusive plug of Baldy Batholith	INAA – 6511

IETS

TRAVERSE NUMBER
NTS 92P/8E

PROJECT CM PROPERTY
AREA BARRIERE, B.C.

GEOLOGIST(S) C. Bell
DATE

SAMPLE NUMBER	UTM NORTHING	UTM EASTING	ELEV. (m)	SAMPLE DESCRIPTION	LAB FILE #
RX 223918			1315	– ANDESITIC–BASALT, grab from outcrop	WR – A9417585
				– medium grey–green, fine–grained, massive, with 10 cm–spaced local cleavage @ 334/70, moderately siliceous	ICP – A9417583
RX 223919			1340	– BASALT, grab from outcrop	WR – A9417585
				– light grey–green, massive, cut by numerous fractures with quartz veinlets	ICP – A9417583
				– local epidote veinlets	
RX 223920			1330	– CHERT, grab from outcrop	WR – A9417585
				– light to medium grey, aphanitic, weak internal bedding @ 180/90, unit is at least 1 m wide	ICP – A9417583
				– overall trend of unit appears to be structurally disrupted ie. bed is cut–off to the north by basalt	
				– trend of unit is 163/90	
				– quartz veins up to 10 cm wide appear to bleed off	
RX 223921			1345	– CHERT, grab from outcrop	WR – A9417585
				– light grey, highly fractured with local argillic alteration, < 1 % vfg disseminated and fracture filling pyrite	ICP – A9417583
				– no internal bedding, chert has irregular contact with basalt and poor continuity, bed is at least 1 m wide	
				– unit may be mixed with highly silicified basalt, silicified basalt occurs to east of chert	
RX 223922			1365	– CHERT, grab from outcrop	WR – A9417585
				– light grey to buff, well bedded, unit is complexly folded and possibly faulted	ICP – A9417583
				– fold axis plunges 300/62, bedding ranges from 186/72 to 248/56	
				– bed is at least 0.6 m thick, nearby beds are > 1 m wide	
RX 223923			1365	– BASALT, grab from outcrop	WR – A9417585
				– medium grey, fine–grained, massive, possibly andesitic	ICP – A9417583
					INAA – 6511
RX 223924				– GABBRO, grab from outcrop	WR – A9417585
				– medium grey, fine to medium–grained, massive, locally sheared	ICP – A9417583
				– trace of disseminated pyrite, may contain k–spar (monzonite ?)	INAA – 6511
RX 223925			1355	– CHERT, 1.0 m chip from outcrop	WR – A9417585
				– light grey to light grey–green, aphanitic with slight tuffaceous component	ICP – A9417583
				– unit contains contorted bedding, may be 4 m wide, although this may be apparent due to folding	
				– bedding plane measurement of 350/74	
RX 223926			1435	– PILLOWED BASALT, grab from outcrop	WR – A9417585
				– medium grey–green, fine–grained, variolitic, striations show ice direction to be from 335 deg.	ICP – A9417583
RX 223927			1375	– CHERT, grab from outcrop	WR – A9417585
				– light grey, aphanitic, well fracturedwith Fe–oxide on fractures, weak internal bedding @ 160/90, 1 m wide	ICP – A9417583

IETS

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PROJECT CM PROPERTY
AREA BARRIERE, B.C.

GEOLOGIST(S) C. Bell
DATE

SAMPLE NUMBER	UTM NORTHING	UTM EASTING	ELEV. (m)	SAMPLE DESCRIPTION	LAB FILE #
RX 223928			1210	– CHERT, grab from outcrop	WR – A9417585
				– light grey, highly fractured, no obvious bedding, < 1 % pyrite	ICP – A9417583
RX 223929			1215	– BASALT, grab from outcrop	WR – A9417585
				– dark grey–green, massive, locally variolitic, weak to moderate chlorite alteration	ICP – A9417583
				– cut by pervasive quartz–carbonate veinlets	
RX 223930			1290	– BASALT, grab from outcrop	WR – A9417585
				– dark grey–green, fine–grained, massive	ICP – A9417583
					INAA – 6511
RX 223931			1190	– CHERT, grab from outcrop	WR – A9417585
				– light grey, aphanitic, bedding at 167/90, bed is at least 2 m wide	ICP – A9417583
RX 223932			1215	– BASALT, grab from outcrop	WR – A9417585
				– dark grey–green, vfg, massive, locally variolitic	ICP – A9417583
				– moderate chlorite alteration, pervasive stockwork of quartz (carb?, barite?)	
RX 223933			1230	– BASALT, grab from outcrop	WR – A9417585
				– same as sample RX 223932	ICP – A9417583
RX 223934			1220	– BASALT, grab from outcrop	WR – A9417585
				– same as samples RX 223932 and 223933	ICP – A9417583
				– CM Photo #4	
RX 223935			1225	– BASALT, grab from outcrop	WR – A9417585
				– dark grey–green, massive, locally variolitic, variolites may define pillow edges	ICP – A9417583
				– on fresh surface rock varies from light to medium grey, the darker zones contain a pervasive quartz (carb–barite?) stockwork	
				– the stockwork occurs to a lesser extent in the lighter coloured rock	
				– CM Photos #6 and 7	
				– Quartz? veinlets are 2 cm wide and commonly form a stockwork	
				– veinlets trend 110 to 130 deg. and show minor folding	
				– sample is from dark grey–green chloritic section with numerous veinlets	
RX 223936			1225	– BASALT, grab from outcrop	WR – A9417585
				– same as sample RX 223932	ICP – A9417583
RX 223937			1250	– BASALT, grab from outcrop	WR – A9417585
				– dark to medium grey–green, massive, weak to moderate chlorite alteration, locally variolitic	ICP – A9417583
				– quartz veinlets are common but lesser in abundance than samples RX 223923 to 223936	
RX 223938			1145	– CHERT, grab from outcrop	WR – A9418444
				– light grey on fresh surface, white–buff on weathered surface	ICP – A9418443
				– massive, aphanitic, bedding is uncertain, outcrop is 3x2 m and in contact with gabbroic felsenmer, trace pyrite	XRF – F1939

IETS

TRAVERSE NUMBER
NTS 92P/8E

PROJECT CM PROPERTY
AREA BARRIERE, B.C.

GEOLOGIST(S) C. Bell
DATE

SAMPLE NUMBER	UTM NORTHING	UTM EASTING	ELEV. (m)	SAMPLE DESCRIPTION	LAB FILE #
RX 223939			1145	– GABBRO, grab from outcrop – felsenmer–frost heave	WR – A9418444
				– med. grey–green on fresh surface (FS), light grey–green on weathered surface (WS), med.–grained, mafic grains up to 4 mm	ICP – A9418443
					XRF – F1939
RX 223940				– BASALT, grab from outcrop	WR – A9418444
				– medium to light grey–brown on WS, dark grey–green on FS, massive	ICP – A9418443
				– variolitic patches, possibly pillowed, weak chloritic alteration	XRF – F1939
				– non–variolitic zones cut by quartz veinlets up to 3 mm wide trending 40 to 65 deg., dip uncertain	
				– minor discontinuous veinlets at 140 to 150 deg., dip uncertain	
RX 223941			1195	– BASALT, grab from outcrop	WR – A9418444
				– light to medium grey–brown on WS, dark grey–green on FS, massive with variolitic patches	ICP – A9418443
				– cut by zones of weak chloritic alteration up to 20 cm wide, trending 140 deg	XRF – F1939
				– chlorite altered zones contain numerous quartz veinlets up to 3 mm wide	
				– quartz veinlets trend sub–normal and sub–parallel to trend of alteration	
RX 223942			1250	– BASALT, grab from outcrop	WR – A9418444
				– medium grey, fine–grained, massive	ICP – A9418443
				– cut by occassional quartz veinlets up to 4 mm, veinlets trend 92 deg.	XRF – F1939
				– also rare qtz veinlets up to 3 cm with traces of pyrite	
RX 223943			1180	– BASALT, grab from outcrop	WR – A9418444
				– light grey–brown on WS, dark grey–green on FS	ICP – A9418443
				– fine–grained, massive, variolitic, locally very weak chlorite alteration	XRF – F1939
RX 223944				– BASALT, grab from outcrop	WR – A9418444
				– medium grey–brown on WS, dark grey on FS	ICP – A9418443
				– fine–grained, massive	XRF – F1939
RX 223945			1240	– BASALT, grab from outcrop	WR – A9418444
				– medium grey–brown on WS, medium grey on FS	ICP – A9418443
				– fine–grained, massive, 1% fg disseminated pyrite	XRF – F1939
RX 223946			1165	– BASALT, grab from outcrop	WR – A9418444
				– medium grey–brown on WS, dark grey on FS	ICP – A9418443
				– fine–grained, massive, variolitic patches and local amygdules up to 4 mm diam.	XRF – F1939
RX 223947			1200	– BASALT, grab from outcrop	WR – A9418444
				– medium grey–brown on WS, medium grey–green on FS	ICP – A9418443
				– massive, locally silicified, cut by pervasive quartz + carb. + barite? stockwork	XRF – F1939
				– veinlets are up to 1 cm wide	

IETS

TRAVERSE NUMBER
NTS 92P/8E

PROJECT CM PROPERTY
AREA BARRIERE, B.C.

GEOLOGIST(S) C. Bell
DATE

SAMPLE NUMBER	UTM NORTHING	UTM EASTING	ELEV. (m)	SAMPLE DESCRIPTION	LAB FILE #
RX 223948			1235	– BASALT, grab from outcrop	WR – A9418444
				– medium grey–green on FS, fine–grained, massive, no significant veining or alteration	ICP – A9418443
					XRF – F1939
RX 223949			1225	– CHLORITE–SERICITE SCHIST, grab from outcrop	WR – A9418444
				– medium grey–green on FS, contains a strong subhorizontal schistosity	ICP – A9418443
				– may be a highly fractured basalt in a fault zone	XRF – F1939
RX 223950			1240	– BASALT, grab from outcrop	WR – A9418444
				– medium grey–brown on WS, medium grey–green on FS	ICP – A9418443
				– fine to medium–grained, massive, trace of pyrite	XRF – F1939
RX 223951			1040	– BASALT, grab from outcrop	WR – A9418444
				– medium grey–brown on WS, dark grey–green on FS	ICP – A9418443
				– fine–grained, variolitic, variolites are small (up to 3 mm)	INAA – 6538
				– contact is bedded @ 172/51 – overturned, contact is defined by variolites and vfg chilled margin	XRF – F1939
				– weak cleavage @ 248/57	
RX 223952			1020	– BASALT, grab from outcrop	WR – A9418444
				– medium grey–brown on WS, medium grey–green on FS	ICP – A9418443
				– fine–grained, massive	INAA – 6538
					XRF – F1939
RX 223953			935	– BASALT, grab from outcrop	WR – A9418444
				– medium grey–brown on WS, medium grey on FS	ICP – A9418443
				– fine–grained, massive, locally variolitic, trace of pyrite along fractures	INAA – 6538
					XRF – F1939
RX 223954			1095	– BASALT, grab from outcrop	WR – A9418444
				– medium grey–brown on WS, light to medium grey on FS	ICP – A9418443
				– fine–grained, massive, trace of vfg disseminated pyrite	INAA – 6538
					XRF – F1939
RX 223955			1030	– BASALT, grab from outcrop	WR – A9418444
				– medium grey–brown on WS, light grey–green on FS	ICP – A9418443
				– fine–grained, massive, cleavage/jointing @ 246/47	INAA – 6538
					XRF – F1939
RX 223956			965	– BASALT, grab from outcrop	WR – A9418444
				– medium grey–brown on WS, medium grey on FS, fine–grained, massive	ICP – A9418443
					XRF – F1939

IETS

TRAVERSE NUMBER
NTS 92P/8E

PROJECT CM PROPERTY
AREA BARRIERE, B.C.

GEOLOGIST(S) C. Bell
DATE

SAMPLE NUMBER	UTM NORTHING	UTM EASTING	ELEV. (m)	SAMPLE DESCRIPTION	LAB FILE #
RX 223957			1075	– BASALT, grab from outcrop	WR – A9418444
				– medium grey–brown on WS, dark grey on FS	ICP – A9418443
				– fine–grained, massive with cleavage @ 060/45, occassional qtz veinlets up to 2 mm wide	XRF – F1939
RX 223958				– BASALT, 0.7 m chip from outcrop (@ 055 deg)	WR – A9418444
				– buff–brown on WS and FS, well fractured, intense Fe–carb argillic alteration	ICP – A9418443
					XRF – F1939
RX 223959				– BRECCIATED CHERT, 1.2 m chip from outcrop	WR – A9418444
				– buff to light to dark grey on WS and FS	ICP – A9418443
				– chert is aphanitic and dark grey to light grey	XRF – F1939
				– unit appears to have occassional altered basalt (as in sample 958) breccia fragments	
				– fragments up to 25 cm, unit is highly fractured and contains pyrite stringers up to 2.5 mm	
				– also has vuggy–open fractures with coarse–grained Fe–carb?	
				– overall 1% pyrite, unit trends ~ 150/ dip unknown	
RX 223960				INCO STANDARD Rhy–2	WR – A9418444
					ICP – A9418443
					INAA – 6538
					XRF – F1939
RX 223961				INCO STANDARD Bas–2	WR – A9418444
					ICP – A9418443
					INAA – 6538
					XRF – F1939
RX 223962				– BASALT, grab from boulder 25x15x20 cm	WR – A9419474
				– medium grey–green, massive, pervasive quartz–barite? veinlets up to 3 mm	ICP – A9419472
				– veinlets are locally broken and folded	
				– rock is locally silicified with some cherty–looking patches, high specific gravity	
RX 223963				– BASALT, grab from boulder 30x20x20 cm	WR – A9419474
				– medium grey–green, massive, wealy chloritized	ICP – A9419472
				– moderate to pervasive quartz + ? veinlets, high SG	
RX 223964				– BASALT, grab from angular boulder 20x25x15 cm	WR – A9419474
				– medium grey, massive, pervasive quartz + ? veinlets up to 2 mm	ICP – A9419472
				– silicified, high SG	
RX 223965				– CHLORITE–SERICITE? SCHIST, grab from outcrop	WR – A9419474
				– medium brown to red–brown on WS, dark green–grey on FS, highly schistose, fissile, sub–horizontal orientaion to schistosity	ICP – A9419472
				– upon digging into rock it becomes limonitic with a trace of visible pyrite, contains clayey material	
				– occassional quartz veinlet in rubble up to 1 cm in width	

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AREA BARRIERE, BC

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SAMPLE NUMBER	UTM NORTHING	UTM EASTING	ELEV. (metres)	SAMPLE DESCRIPTION	LAB FILE #
RX 225501				– Fe–OXIDE, FERRICRETE, grab from subcrop	WR – A9416855
				– massive Fe–oxide, crudely layered goethite and limonite with occassional clay layers	ICP – A9416854
RX 225502				– FERRICRETE, grab from subcrop	WR – A9416855
				– volcanic and sediment clasts (mainly till) cemented by Fe–oxide	ICP – A9416854
				– sample taken from ferricrete west of sample RX 225501	
RX 225503				– CHERT and ARGILLITE, grab from outcrop	WR – A9416855
				– highly fractured with up to 3% sulphides, partially oxidized	ICP – A9416854
				– adjacent to and west of massive oxide zone	
RX 225504				– CHERT, grab from outcrop	WR – A9416855
				– Medium–dark grey, locally up to 5% vfg disseminated pyrite, massive pyrite veins up to 2 cm	ICP – A9416854
				– moderate argillic alteration, highly fractured, mixed with argillite, limonite stained, bedding/fractures @ 328/80	
RX 225505				– CHERT/ARGILLITE, grab from outcrop	WR – A9416855
				– grey, up to 5% disseminated/bedded?/fracture filling pyrite	ICP – A9416854
				– sample from along road west of upper showing, near DDH #12	
RX 225506			1200	– BASALT FLOW, grab from outcrop	WR – A9416855
				– fine to medium–grained, weak pervasive chlorite and epidote alteration, sample has 1 3 mm wide qtz–ca veinlet	ICP – A9416854
				– up to 5% quartz–calcite fracture filling veinlets up to 1 cm wide, rock is fractured into angular blocks up to 20 cm	
RX 225507			1225	– BRECCIATED ARGILLITE, grab from outcrop	
				– contains minor chert component, fragments are rounded and angular with calcite cement	
				– unit approx. 4 m wide, upper and lower contacts are with less fractured massive? basalt	
				– basalt also has minor calcite cement which is vuggy – high level (ie epithermal, late stage fracture filling)	
RX 225508			1240	– MASSIVE and PILLOWED BASALT, grab from outcrop	WR – A9416855
				– unit is fairly competent, minor blocky fractures, contains scattered boulders of interpillow breccia (ie hyaloclastite)	ICP – A9416854
				– 1–3% quartz–calcite fracture fillings and in pillow rinds, << 1% disseminated sulphides	
				– parts of unit are fairly massive, although it is difficult to see texture	
				– sample from western edge of ridge, near 104+50N, 92+00E	
RX 225509			1270	– CHERTY TUFF/CHERT, grab from outcrop	WR – A9416855
				– weathers buff colored, fresh surface is grey to beige, traces of sulphides	ICP – A9416854
				– contorted laminations of chert/silica rich material, appears to grade into fine–grained tuff of andesitic composition	
				– similar rock is observed in a few places on the side of a small cliff, but not traceable over any distance	
				– sample from near L 104+50N/93+00E	

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SAMPLE NUMBER	UTM NORTHING	UTM EASTING	ELEV. (metres)	SAMPLE DESCRIPTION	LAB FILE #
RX 225510			1210	– PILLOWED BASALT/VOLCANIC BRECCIA, grab from outcrop	WR – A9416855
				– rounded and angular fragments (dark grey) surrounded by light grey, aphanitic groundmass	ICP – A9416854
				– < 1% fine–gr. disseminated sulphides, 7% qtz–ca veinlets 1–5 mm wide	
				– sample from near L 106+00N/95+25E	
RX 225511			1230	– PILLOWED BASALT, grab from outcrop	WR – A9416855
				– weathers medium rusty brown, fresh surface grey–brown	ICP – A9416854
				– aphanitic to fine–grained, moderately fractured and blocky, 1–2% late calcite fracture filling veins	
				– << 1% sulphides, prominent joint set trending 075/60 SE	
				– sample from near L103+00N/94+50E	
RX 225512			1230	– MASSIVE/PILLOWED? BASALT, grab from outcrop	WR – A9416855
				– fresh surface is dark green, slightly galssy, patchy, intense chloritization and silicification	ICP – A9416854
				– sample is from a resistent knob near L102+00N/95+00E	
RX 225513				– PILLOWED BASALT, grab from outcrop	WR – A9416855
				– weak to moderate pervasive chlorite alteration, 2–3% qtz–ca filled vesicles, << 1% py	ICP – A9416854
				– sample from L101+00N/93+50E	
RX 225514			1260	– MASSIVE?/PILLOWED? BASALT, grab from outcrop	WR – A9416855
				– moderate pervasive Si and CHI alteration, up to 1% disseminated sulphides	ICP – A9416854
				– sample from near the top of Chinook Mtn, at L99+00N/94+00E	
RX 225515				– CHERT, grab from outcrop	WR – A9417585
				– grey, amorphous chert, no sulphides	ICP – A9417583
				– sample from near L100+00N/97+00E	
RX 225516				– MASSIVE?/PILLOWED? BASALT, grab from outcrop	WR – A9417585
				– slightly silicified, calcite veined, possibly weakly dolomitized, << 1% euhedral dissem. pyrite, <1 mm	ICP – A9417583
				– rock is fairly competent, jointing at 130/86 SW and 065/49SE	
RX 225517			1250	– GABBRO, grab from outcrop	WR – A9417585
				– fresh surface is medium grey, weathers brown–grey, fine to medium–grained, slightly porphyritic with plag. phenocrysts	ICP – A9417583
				– up to 1% disseminated sulphides, up to 3% qtz veining, relatively fresh – unaltered, weak chloritization of mafic minerals	
				– sample near L99+00N/96+25E	
RX 225518			1250	– BASALT, grab from outcrop	WR – A9417585
				– fine–grained to aphanitic, unknown whether massive or pillowed	ICP – A9417583
				– pervasive chloritization and silicification, up to 1% dissem. sulphides	
				– sample from near L99+00N/95+75E	

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SAMPLE NUMBER	UTM NORTHING	UTM EASTING	ELEV. (metres)	SAMPLE DESCRIPTION	LAB FILE #
RX 225519			1265	– PILLOWED BASALT/BRECCIA, grab from outcrop	WR – A9417585
				– moderately silicified with patchy and wispy chlorite, cut by 7 cm qtz–kspar? vein	ICP – A9417583
				– << 1% dissem. sulphides, jointing at 080/75 S	
				– sample from the top of Chinook Mtn.	
RX 225520			1220	– CHERT, grab from outcrop	WR – A9417585
				– buff–brown to grey, weathers white, minor (~3%) calcite fracture filling, no sulphides visible	ICP – A9417583
				– horizon ~1 m wide, east contact visible, bedding @ 175/67, unit is highly fractured, cut by a diorite dyke 3 m to south	
RX 225521			1220	– DIORITE, grab from outcrop	WR – A9417585
				– medium–grained, slightly porphyritic with acicular hornblende pheno's up to 4 mm long	ICP – A9417583
				– < 1% dissem. sulphides, dyke trends 070/64 N	
				– sample from 3 m from RX 225520	
RX 225522			1132	– PILLOWED BASALT, grab from outcrop	WR – A9417585
				– aphanitic, homogeneous with pillow rinds 1 mm to 5 mm wide consisting of light grey clayey material	ICP – A9417583
				– cores of pillows are aphanitic, medium grey–green	
				– weak to no alteration to greenschist facies – chlorite, rare qtz–ca fracture filling, << 1% vfg dissem. sulphides	
				– sample from 100 m west of "T" junction	
RX 225523			1120	– PILLOWED?/MASSIVE? BASALT, grab from outcrop	WR – A9417585
				– aphanitic to fine–grained, weakly altered, chlorite wisps, << 1% sulphides as vfg dissem.	ICP – A9417583
				– sample from 100 m NE of sample SX 214904, on north side of Skowotum creek	
RX 225524			1110	– PILLOWED BASALT, grab from subcrop?	WR – A9417585
				– rinds are white to beige, with some qtz, cores are medium grey–green, aphanitic to fine–grained	ICP – A9417583
				– weakly altered – minor chlorite wisps, tops of pillows have variolites	
				– up to 1% sulphides as coarse and fine disseminations	
RX 225525			1048	– PILLOWED BASALT, grab from outcrop	WR – A9417585
				– moderate pervasive chloritization and silicification, 1–2% qtz veining, << 1% sulphides	ICP – A9417583
				– rims not well defined, but marked by variolites	
				– sample from road junction south of Skowotum creek	
RX 225526			1020	– PILLOWED BASALT, grab from outcrop	WR – A9417585
				– weakly altered, minor Chl and Si, < 1% qtz veins and blebs, < 1% fine–grained, dissem. sulphides	ICP – A9417583
				– jointing/cleavage @ 247/67 NW, 067/45SE	
				– sample from north of Skowotum creek along lower road	
RX 225527			1083	– PILLOWED?/MASSIVE? BASALT, grab from outcrop	WR – A9417585
				– weakly chloritized, << 1% sulphides	ICP – A9417583
				– has platey cleavage developed @ 315/22 E, sample from north of Skowotum creek along blocked–off road	

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RX 225528			1220	– CHERT, 4 m selective chip from outcrop	WR – A9417585
				– very hard and competent, contains minor argillite interbeds (~ 10%)	ICP – A9417583
				– up to 2% disseminated and weakly bedded sulphides	
				– west contact with basalt @ 150/68 W, east contact covered by overburden	
				– cleavage/jointing @ 315/65 E, 036/86 SE	
RX 225529			1220	– BASALT FLOW, 3 m selective grab from outcrop	WR – A9417585
				– fine to medium–grained, may be a dyke, < 1% dissem. sulphides	ICP – A9417583
				– lower and upper contact are clay and silica altered and are slightly gradational into chert and seiments	
				– sample from immediately west of sample RX 225528	
RX 225530			1220	– CHERT, 0.5 m continuous chip	WR – A9417585
				– weathers buff–white, fresh surface is light grey, amorphous, little to no sulphides	ICP – A9417583
				– east and west contacts are with basalt	
				– sample taken immediately west of RX 225529	
RX 225531			1220	– BASALT, 2 m continuous chip	WR – A9417585
				– quite weathered, 3% qtz–ca veined, < 1% sulphides	ICP – A9417583
				– west contact with chert, east contact burried by overburden	
				– sample taken 3 m west of sample RX 225530	
RX 225532			1220	– ARGILLITE/CHERT, 4 m selective chip from outcrop	WR – A9417585
				– interbedded grey chert and dark grey argillite, possibly slightly graphitic	ICP – A9417583
				– up to 1–2% disseminated sulphides, east and west contacts burried by ovb.	
				– sample from 4 m west of sample RX 225531	
RX 225533			1220	– MASSIVE? BASALT, 3 m selective chip from outcrop	WR – A9417585
				– fresh surface is light grey, clay altered, possibly sericitized, 5% chlorite spots, < 1% dissem. sulphides	ICP – A9417583
				– east contact with chert, west contact with chert/argillite	
				– sample taken from 4 m south of RX 225532	
RX 225534			1220	– CHERT/ARGILLITE, 1 m continuous chip	WR – A9417585
				– interbedded chert and argillite, argillite content increases to the west	ICP – A9417583
				– chert is light grey to grey–brown with 1% disseminated, weakly bedded sulphides	
				– argillite is medium to dark grey, very fine–grained, weakly bedded, fairly massive with 1% dissem. sulphides	
				– both are fairly competent	
				– sample taken immediately west of sample RX 225533	
RX 225535			1220	– CHERT/ARGILLITE, 1 m continuous chip	WR – A9417585
				– interbedded chert and argillite with angular blocks of basalt up to 20 cm across	ICP – A9417583
				– approximately 10% argillite, mainly chert, ~ 1 % fine, disseminated sulphides	
				– bedding @ 300/59 N (ie. overturned?)	

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RX 225536			1220	– CHERT/ARGILLITE, 5 m selective chip from outcrop	WR – A9417585
				– interbedded chert and argillite, chert is light grey with up to 0.5% dissem. sulphides	ICP – A9417583
				– argillite is dark grey with up to 3 to 5% bedded and dissem. sulphides (py, po)	
				– hand trench ends in mineralized argillite	
				– sample is immediately SE of sample RX 225528	
RX 225537			1225	– CHERT, 2m continuous chip	WR – A9417585
				– contains ~ 10% argillite beds	ICP – A9417583
				– medium grey–brown, amorphous chert with up to 0.5% dissem. sulphides	
				– bedding @ 325/72 NE	
				– sample from near L93+00N/97+25 E	
RX 225538			1210	– CHERT/ARGILLITE, grab from outcrop	WR – A9417585
				– interbedded grey amorphous chert with and dark grey argillite, both with < 1% fine dissem sulphides	ICP – A9417583
				– sample from near L93+00N/98+50E	
RX 225539				– INCO STANDARD RHY–2	WR – A9417585
					ICP – A9417583
RX 225540				– INCO STANDARD BAS–2	WR – A9417585
					ICP – A9417583
RX 225541			1240	– MASSIVE?/PILLOWED? BASALT, grab from outcrop	WR – A9417585
				– aphanitic to fine–grained, intensely silicified, weakly chloritized as spots < 1 mm	
				– < 1% vfg dissem sulphides, light to medium grey–green on fresh surface, weathers red–brown	
				– cleavage/jointing @ 073/55 SE	
RX 225542			1220	– PILLOWED BASALT, grab from outcrop	WR – A9417585
				– medium grey with light grey rims and mixed hyaloclastite	ICP – A9417583
				– intensely silicified, weak wispy chlorite, up to 1% sulphides as fine–grained disseminations and on fracture surfaces	
				– rock is aphanitic to fine–grained, cleavage/jointing @ 066/34 SE	
RX 225543			1200	– PILLOWED BASALT, grab from outcrop	WR – A9417585
				– fine–grained to aphanitic, moderate pervasive chl, weak to no Si, << 1% fg dissem pyrite	ICP – A9417583
				– cleavage/jointing @ 075/31 SE, 240/67 NW	
				– from south of Chinook Mtn on west slope in gully just above old clearcut	
RX 225544			1235	– MASSIVE?/PILLOWED? BASALT, gab from outcrop	WR – A9417585
				– fresh surface is light grey–green, fine to medium–grained, moderately altered – sausuritized, weak chl, minor ep, no si	ICP – A9417583
				– 1–3% qtz–ca veining and fracture filling, cleavage/jointing at 057/44 SE, 224/60 NW	
				– sample from peak south of Chinook Mtn.	
RX 225545				– PILLOWED BASALT, grab from outcrop	WR – A9418444
				– strong pervasive chl, weak Si, 3% qtz–ca veining (@ 060/80 SE), << 1% sulphides	ICP – A9418443
				– bedding @ 175/87 E (ie. overturned), cleavage/jointing @ 220/60 NW, sample from near 94+75N/99+35E	XRF – F1939

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RX 225546				– MASSIVE BASALT, grab from outcrop	WR – A9418444
				– weak to moderate alteration, wispy chl, sausuritized plagioclase, minor clay alt., up to 1% fine–gr. dissem. py, 1–2% qtz–ca vn	ICP – A9418443
				– cleavage/jointing @ 063/45 S, 260/57 N, glacial striae @ 180 deg	
				– sample from near L75+00N/97+00E	
RX 225547				– MASSIVE?/PILLOWED? BASALT, grab from outcrop	WR – A9418444
				– aphanitic to fine–grained, strong pervasive chloritization, weak silicification, << 1% sulphides	ICP – A9418443
				– cleavage @ 210/75 N, sample from near L73+00N/98+50E	XRF – F1939
RX 225548			1205	– PILLOWED BASALT, gab from outcrop	WR – A9418444
				– 5–7% qtz wispy veining, pervasive silicification, weak spotty chloritization, << 1% sulphides	ICP – A9418443
				– qtz veins @ 355/70 E, strong, platey cleavage @ 210/06 N, 070/67 S	XRF – F1939
				– sample from near L73+00N/96+25E	
RX 225549			1220	– MASSIVE/PILLOWED BASALT, grab from outcrop	WR – A9418444
				– moderate pervasive chlorite, weak Si, up to 0.5% sulphides (possibly some cp)	ICP – A9418443
				– cleavage @ 070/66 S, sample from near L73+00N/95+13E	XRF – F1939
RX 225550			1220	– MASSIVE?/PILLOWED? BASALT, grab from outcrop	WR – A9418444
				– weakly chloritized and silicified, << 1% sulphides	ICP – A9418443
				– cleavage @ 078/70 S, 015/77 E, sample from 650 m E of repeater tower	XRF – F1939
RX 225551			1152	– CHERT/ARGILLITE, grab from outcrop	WR – A9418444
				– interbedded, differentially foliated – chert beds are competent, argliitie beds have a well dev. foliation at an angle to bedding	ICP – A9418443
				– 0.5% fine disseminated sulphides, bedding @ 185/68 W, foliation @ 170/75 W	XRF – F1939
RX 225552			1180	– ARGILLITE/GREYWACKE, grab from outcrop	WR – A9418444
				– argillite is altered in places to a light brown color, outcrop is highly fractured into angular pieces 1–5 cm in diam.	ICP – A9418443
				– << 1% sulphides	XRF – F1939
				– large outcrop (10x5 m) polished by glacial action, near top of hill west of main road at southern part of property	
				– cleavage/jointing @ 180/60 W, 062/42 S, bedding @ 190/65 W	
RX 225553			1200	– MASSIVE BASALT, grab from outcrop	WR – A9418444
				– medium grey–green, fine–grained, relatively fresh–unaltered, minor sausuritization, << 1% sulphides	ICP – A9418443
				– grades westward into pillowed basalt with interpillow chert, qtz veins @ 276/88 N	XRF – F1939
				– sample from southern part of property, west of main road on hill top	
RX 225554			1195	– GABBRO, grab from outcrop	WR – A9418444
				– medium–grained, dark green–grey, weathers light red–brown, fairly equigranular, relatively unaltered, < 1% sulphides	ICP – A9418443
				– sill? dyke? flow?, sample from near BL100+00E/70+00N	XRF – F1939

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RX 225555			1165	– ARGILLITE, grab from outcrop	ICP – A9418443
				– weathers rusty red – gossanous, fresh surface is dark grey, < 1% fg dissem. sulphides, brecciated with minor chert	
				– bedding @ 183/88 W, foliation @ 348/90, there is a fault in the draw 15 m to the west	
				– sample from near L66+00N/102+00E	
RX 225556			1188	– MASSIVE?/PILLOWED? BASALT, grab from outcrop	WR – A9418444
				– patchy alteration – variably silicified and chloritized, one narrow (< 1mm) sulphide veinlet noted – may be po	ICP – A9418443
				– weathers brown, fresh is medium to dark grey–green	XRF – F1939
				– sample from edge of clear–cut in southern part of property near bottom of depression	
RX 225557			1180	– MASSIVE?/PILLOWED? BASALT, grab from outcrop	WR – A9418444
				– pervasive chlorite and silica alteration, < 1% sulphides as medium–grained dissem, 1% qtz veinlets (< 1mm)	ICP – A9418443
				– weathers dark green, fresh surface is dark grey–green	XRF – F1939
				– sample from 200 m NW of sample RX 225556, near 70+50N/97+80E	
RX 225558			1200	– PILLOWED BASALT, grab from outcrop	WR – A9418444
				– aphanitic, dark grey–green, weathers green–brown, variably silicified (to intense Si) and chloritized	ICP – A9418443
				– < 1% fine to medium–grained dissem. sulphides	XRF – F1939
				– cleavage/jointing @ 344/77 E, 208/61 NW, 076/70 S, qtz veining @ 170/74 NW	
				– sample from near 67+75N/95+50E	
RX 225559			1170	– PILLOWED BASALT, grab from outcrop	WR – A9418444
				– variably silicified and chloritized, << 1% sulphides, fresh surface is dark grey–green, weathers brown–green	ICP – A9418443
				– sample from near 67+75N/64+50E	XRF – F1939
RX 225560			1180	– PILLOWED BASALT, grab from outcrop	WR – A9418444
				– with spherulites, intensely chloritized, 3% qtz veins, < 1% sulphides	ICP – A9418443
				– chl and spherulites are similar to those @ the "alteration zone"	XRF – F1939
				– sample from SW corner of CM #1	
RX 225561			1185	– GABBRO, grab from outcrop	WR – A9418444
				– fresh, unaltered, intruding pillow basalt	ICP – A9418443
				– sample from on southern claim line L63+75N/95+75E	XRF – F1939
RX 225562			1150	– CHERT, grab from outcrop	WR – A9418444
				– bedded chert horizon 2 m wide in a large outcrop of pillow basalt, bedding @ 194/84 W	ICP – A9418443
				– bedding is evident on weathered surface – buff color	XRF – F1939
				– on fresh surface chert is amorphous, light grey with faint dark grey thin bedding laminations	
				– << 1 mm thick beds, qtz is being "bled–off" into the basalt in the hangingwall and footwall, forming veins perp. to bedding	
				– sample from near 64+25N/99+25E	

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SAMPLE NUMBER	UTM NORTHING	UTM EASTING	ELEV. (metres)	SAMPLE DESCRIPTION	LAB FILE #
RX 225563			1190	– PILLOWED BASALT, grab from outcrop	WR – A9418444
				– weakly altered – minor chlorite wisps, no silicification, 0.5% pyrite on fracture surfaces, 1% qtz veining	ICP – A9418443
				– joints @ 085/65 S, 185/65 W	XRF – F1939
RX 225564			1150	– MASSIVE BASALT, grab from outcrop	WR – A9418444
				– fine to medium–grained, weak pervasive chloritization, no si, << 1% sulphides, fairly homogeneous	ICP – A9418443
				– sample from along southern claim line	XRF – F1939
RX 225565			1100	– MASSIVE BASALT, grab from outcrop	WR – A9418444
				– aphanitic to fine–grained, fairly homogeneous, weakly altered – minor sausuritization, little to no chl or si	ICP – A9418443
				– << 1% sulphides, light to medium grey on fresh surface, joints @ 280/74 N	XRF – F1939
				– sample from southern claim line of CM#4, from a litle knob	
RX 225566			850	– PILLOWED BASALT, grab from outcrop	WR – A9418444
				– aphanitic, medium green, weak to moderate chloritization, << 1% sulphides	ICP – A9418443
				– joints @ 070/54 S, 140/78 SW	XRF – F1939
				– sample from southern claim boundary of CM#4, west of lower road	
RX 225567			760	– PILLOWED BASALT, grab from outcrop	WR – A9418444
				– weakly altered, minor sausuritization and chl, no si, 0.5% sulphides – mainly py	ICP – A9418443
				– sample from southern claim line of CM#4, west of lower road	XRF – F1939
RX 225568			1022	– PILLOWED BASALT, grab from outcrop	WR – A9418444
				– moderate pervasive chloritization, weak to no silicification, << 1% sulphides as fine–gr dissem	ICP – A9418443
				– cleavage @ 005/25 E	XRF – F1939
				– sample from near shack below radio tower	
RX 225569			940	– PILLOWED–MASSIVE BASALT, grab from outcrop	WR – A9418444
				sausuritized, weak chl. no si., 1% fracture filling sulphides, abundant Mn on fracture surfaces	ICP – A9418443
					XRF – F1939
RX 225570			1112	– PILLOWED BASALT, grab from outcrop	WR – A9418444
				– fine–grained, weakly altered, minor patchy chl, with abundant variolites, 0.5% dissem. sulphides	ICP – A9418443
				– joints @ 315/70 N and 190/70 W, sample from repeator tower	XRF – F1939
RX 225571			980	– MASSIVE BASALT, grab from outcrop	WR – A9418444
				– light grey, fairly homogeneous, aphanitic to fine–grained, weakly altered – minor saus. and chl, no si	ICP – A9418443
				– << 1% sulphides, cleavage/joints @ 235/60 N, 277/80 NE, 135/75 SW	XRF – F1939
				– sample from northern ridge above Skowootum Creek	
RX 225572			870	– PILLOWED BASALT, grab from outcrop	WR – A9418444
				– weathers red–brown, fresh surface is light grey, aphanitic, weakly altered – saus., 2% chl spots, 1% sulphides, no si	ICP – A9418443
				– sample contains a 0.5x2 cm pyrite bleb, cleavage/joints @ 158/63 SW, 095/58S	XRF – F1939
				– sample from northern ridge above Skowootum Creek	

IETS

TRAVERSE NUMBER
NTS 092P/8E

PROJECT CM PROPERTY
AREA BARRIERE, BC

GEOLOGIST(S) S. Casselman
DATE

SAMPLE NUMBER	UTM NORTHING	UTM EASTING	ELEV. (metres)	SAMPLE DESCRIPTION	LAB FILE #
RX 225573			960	– PILLOWED BASALT, grab from outcrop	WR – A9418444
				– aphanitic to fine–grained, moderate to strong pervasive chl and si, < 1% fg dissem. sulphides	ICP – A9418443
				– pillow rims are very faint, cleavage/joints @ 092/83 S, 190/90	XRF – F1939
				– sample from 500 m north of Skowootum Ck.	
RX 225574			1170	– PILLOWED BASALT, grab from outcrop	WR – A9418444
				– weak to moderate sausuritization, weak to no chloritization, no si, << 1% sulphides, 3 % late–stage qtz veining	ICP – A9418443
					XRF – F1939
RX 225575			1120	– BASALT, grab from boulder	WR – A9418444
				– angular boulder on small cliff, intensely chloritized, dark grey–green with 5% qtz–ca veining	ICP – A9418443
				– similar appearance to intense "alteration zone" rocks, << 1% sulphides, minor patchy si	XRF – F1939
RX 225576			990	– MASSIVE BASALT, grab from outcrop	WR – A9418444
				– aphanitic to medium–grained, medium grey, moderately altered – sausuritized, clay altered, chl spots, << 1% sulphides	ICP – A9418443
				– 1% wispy, light grey stringers – clay alteration?	XRF – F1939
				– sample from due west of L99+00N/92+00E	
RX 225577				– CHERT/ARGILLITE, 1.5 m chip from TRUNK TRENCH	WR – A9418444
				– mixed chert and argillite, 5–8% fine–grained sulphides, foliation at 150/85 NE	ICP – A9418443
					XRF – F1939
RX 225578				– CHERT/ARGILLITE, 1.5 m chip from TRUNK TRENCH	WR – A9418444
				– mixed chert and argillite, 5–8% fine–grained sulphides, foliation at 150/85 NE	ICP – A9418443
					XRF – F1939
RX 225579				– CHERT, grab from outcrop	WR – A9418444
				– light to medium grey, weakly bedded, amorphous chert, 5% vfg dissem. and bedded sulphides	ICP – A9418443
				– sample from 5 m east of collar of DDH 89–3	XRF – F1939
RX 225580				– BASALT, grab from outcrop	WR – A9418444
					ICP – A9418443
					XRF – F1939

Appendix II

Geochemical Analytical Certificates

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

[redacted] 666 [redacted] ARD
VANCOUVER, BC
V6C 2X8

A9416855

Comments: ATTN: SCOTT CASSELMAN

CERTIFICATE A9416855

INCO EXPLORATION AND TECHNICAL SERVICES INC.

Project: 60527
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 16-JUN-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
299	22	Pulp; prepped on other workorder

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
902	22	Al2O3 %: XRF	XRF	0.01	100.00
906	22	CaO %: XRF	XRF	0.01	100.00
2590	22	Cr2O3 %: XRF	XRF	0.01	100.00
903	22	Fe2O3 %: XRF	XRF	0.01	100.00
908	22	K2O %: XRF	XRF	0.01	100.00
905	22	MgO %: XRF	XRF	0.01	100.00
1989	22	MnO %: XRF	XRF	0.01	100.00
907	22	Na2O %: XRF	XRF	0.01	100.00
909	22	P2O5 %: XRF	XRF	0.01	100.00
901	22	SiO2 %: XRF	XRF	0.01	100.00
904	22	TiO2 %: XRF	XRF	0.01	100.00
910	22	LOI %: XRF	XRF	0.01	100.00
2540	22	Total %	CALCULATION	0.01	105.00
2891	22	Ba ppm: XRF	XRF	2	10000
2067	22	Rb ppm: XRF	XRF	2	10000
2898	22	Sr ppm: XRF	XRF	2	10000
2973	22	Nb ppm: XRF	XRF	2	10000
2978	22	Zr ppm: XRF	XRF	3	10000
2974	22	Y ppm: XRF	XRF	2	10000

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: INCO EXPLORATION AND TECHNICAL SERVICES INC.
ATTN: SCOTT CASSELMAN
2690 - 666 BURRARD ST.
VANCOUVER, BC
V6C 2X8

Project : 60527
Comments: ATTN: SCOTT CASSELMAN

Page Number :1
Total Pages :1
Certificate Date: 16-JUN-94
Invoice No. :I9416855
P.O. Number :
Account :KPJA

CERTIFICATE OF ANALYSIS A9416855

SAMPLE	PREP CODE		Al2O3 % XRF	CaO % XRF	Cr2O3 % XRF	Fe2O3 % XRF	K2O % XRF	MgO % XRF	MnO % XRF	Na2O % XRF	P2O5 % XRF	SiO2 % XRF	TiO2 % XRF	LOI % XRF	TOTAL %	Ba ppm	Rb ppm	Sr ppm	Nb ppm	Zr ppm	Y ppm
RX223906	299	--	6.86	1.50	0.02	2.51	0.17	1.93	0.05	2.41	0.10	83.00	0.41	1.30	100.30	197	9	161	8	123	17
RX223907	299	--	14.20	9.24	0.03	10.70	0.16	7.40	0.18	3.30	0.18	48.40	1.50	3.65	98.90	226	6	169	5	131	33
RX223908	299	--	8.24	2.71	0.03	3.74	0.60	1.89	0.09	1.78	0.20	76.80	0.47	1.95	98.50	442	20	51	8	130	30
RX223909	299	--	13.80	9.89	0.03	10.60	0.11	7.14	0.18	3.14	0.17	48.70	1.51	3.50	98.80	203	< 2	163	7	127	30
RX223910	299	--	14.70	9.48	0.03	9.64	0.13	6.84	0.16	3.63	0.14	49.60	1.25	2.55	98.10	178	6	147	4	101	23
RX223911	299	--	14.80	9.65	0.03	9.97	0.29	7.10	0.17	3.00	0.15	48.90	1.34	2.90	98.30	144	7	245	6	109	29
RX223912	299	--	4.19	3.23	0.02	1.34	0.12	1.03	0.09	0.02	0.05	87.50	0.20	1.35	99.10	808	5	< 2	7	59	7
RX223913	299	--	4.11	5.62	0.02	1.61	0.17	2.82	0.14	0.40	1.25	77.40	0.25	4.45	98.20	832	8	36	9	121	43
RX223914	299	--	12.90	14.40	0.02	10.30	0.01	6.22	0.16	0.61	0.18	50.10	1.61	3.05	99.60	136	2	40	5	122	35
RX225501	299	--	1.64	0.30	0.02	25.50	0.16	0.32	0.02	0.17	0.32	57.10	0.41	13.10	99.10	416	4	51	6	95	< 2
RX225502	299	--	8.17	2.68	0.02	26.30	0.61	2.06	0.07	1.76	0.35	47.50	1.40	9.15	100.10	672	16	87	8	117	18
RX225503	299	--	5.34	0.31	0.03	12.90	0.03	3.33	0.12	0.18	0.69	68.60	0.40	7.39	99.30	6540	7	64	10	93	20
RX225504	299	--	4.65	0.21	< 0.01	5.90	0.76	1.70	0.07	0.22	0.14	81.30	0.35	3.47	98.80	10900	17	40	7	64	11
RX225505	299	--	4.55	0.24	0.01	8.85	0.11	3.23	0.11	< 0.01	0.29	78.10	0.27	4.00	99.80	671	6	8	8	97	23
RX225506	299	--	14.20	8.78	0.02	10.80	0.29	7.12	0.18	3.43	0.16	48.60	1.54	3.60	98.70	329	9	166	7	120	34
RX225508	299	--	14.80	11.30	< 0.01	10.50	0.04	5.43	0.18	3.41	0.18	48.80	1.56	2.45	98.70	155	2	84	7	122	32
RX225509	299	--	8.68	6.06	0.02	9.08	0.23	2.15	0.33	0.58	0.34	69.60	0.52	1.85	99.40	348	8	285	8	166	30
RX225510	299	--	15.40	10.40	< 0.01	11.30	0.37	5.51	0.18	1.09	0.18	48.70	1.60	4.15	98.90	152	9	74	4	124	33
RX225511	299	--	15.90	11.00	< 0.01	10.10	0.07	5.20	0.19	3.61	0.17	49.20	1.48	2.95	99.90	151	5	96	5	113	29
RX225512	299	--	15.10	13.40	< 0.01	10.90	0.03	5.10	0.17	2.19	0.17	47.30	1.50	3.25	99.10	142	4	66	6	117	29
RX225513	299	--	14.10	11.70	0.03	10.80	0.21	7.37	0.18	2.30	0.14	47.60	1.35	3.00	98.80	149	7	119	4	102	27
RX225514	299	--	14.60	11.30	< 0.01	10.00	0.02	5.26	0.17	3.00	0.17	49.70	1.50	2.80	98.50	123	< 2	53	6	120	36

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: INCO EXPLORATION AND TECHNICAL SERVICES INC.
ATTN: SCOTT CASSELMAN
2690 - 666 BURRARD ST.
VANCOUVER, BC
V6C 2X8

A9417585

Comments: ATTN: SCOTT CASSELMAN

CERTIFICATE A9417585

INCO EXPLORATION AND TECHNICAL SERVICES INC.

Project: 60527
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 29-JUN-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
299	53	Pulp; prepped on other workorder

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
902	53	Al2O3 %: XRF	XRF	0.01	100.00
906	53	CaO %: XRF	XRF	0.01	100.00
2590	53	Cr2O3 %: XRF	XRF	0.01	100.00
903	53	Fe2O3 %: XRF	XRF	0.01	100.00
908	53	K2O %: XRF	XRF	0.01	100.00
905	53	MgO %: XRF	XRF	0.01	100.00
1989	53	MnO %: XRF	XRF	0.01	100.00
907	53	Na2O %: XRF	XRF	0.01	100.00
909	53	P2O5 %: XRF	XRF	0.01	100.00
901	53	SiO2 %: XRF	XRF	0.01	100.00
904	53	TiO2 %: XRF	XRF	0.01	100.00
910	53	LOI %: XRF	XRF	0.01	100.00
2540	53	Total %	CALCULATION	0.01	105.00
2891	51	Ba ppm: XRF	XRF	2	10000
2067	51	Rb ppm: XRF	XRF	2	10000
2898	51	Sr ppm: XRF	XRF	2	10000
2973	51	Nb ppm: XRF	XRF	2	10000
2978	51	Zr ppm: XRF	XRF	3	10000
2974	51	Y ppm: XRF	XRF	2	10000

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Page Number :1
Total Pages :2
Certificate Date: 29-JUN-94
Invoice No. : I9417585
P.O. Number :
Account :KPJA

CERTIFICATE OF ANALYSIS A9417585

SAMPLE	PREP CODE		Al2O3 % XRF	CaO % XRF	Cr2O3 % XRF	Fe2O3 % XRF	K2O % XRF	MgO % XRF	MnO % XRF	Na2O % XRF	P2O5 % XRF	SiO2 % XRF	TiO2 % XRF	LOI % XRF	TOTAL %	Ba ppm	Rb ppm	Sr ppm	Nb ppm	Zr ppm	Y ppm
RX 225515	299	--	3.92	1.09	0.03	1.79	0.62	0.73	0.07	0.45	0.04	90.10	0.16	0.98	100.00	707	16	17	6	59	6
RX 225516	299	--	13.50	10.90	0.04	10.50	0.07	7.65	0.18	2.72	0.16	49.10	1.37	3.75	99.90	182	3	159	6	119	32
RX 225517	299	--	14.90	10.90	< 0.01	11.70	0.19	6.23	0.19	2.15	0.20	48.50	1.78	2.50	99.20	274	6	236	8	145	38
RX 225518	299	--	15.60	10.30	< 0.01	10.50	0.14	5.33	0.19	3.44	0.17	49.20	1.54	2.60	99.00	166	5	168	5	116	33
RX 225519	299	--	15.40	7.94	0.02	10.90	0.25	6.42	0.19	3.93	0.17	49.10	1.59	3.10	99.00	173	4	168	5	119	33
RX 225520	299	--	6.86	1.84	0.01	3.14	0.12	1.83	0.11	2.47	0.11	79.80	0.42	1.95	98.70	193	16	49	11	114	18
RX 225521	299	--	13.60	6.05	0.02	8.10	3.94	4.96	0.14	2.25	0.38	56.40	0.82	1.95	98.60	1070	78	555	19	180	21
RX 225522	299	--	14.30	10.60	0.02	11.40	0.03	6.82	0.18	3.19	0.16	48.00	1.48	2.75	98.90	156	< 2	54	5	107	27
RX 225523	299	--	14.50	8.95	0.03	10.90	0.18	6.94	0.18	3.63	0.17	48.20	1.50	2.95	98.10	184	4	206	4	127	36
RX 225524	299	--	14.40	8.24	0.03	10.80	0.29	8.11	0.18	3.08	0.11	48.70	1.13	3.05	98.10	176	7	255	4	93	25
RX 225525	299	--	14.80	5.06	< 0.01	5.90	1.68	2.31	0.14	3.44	0.12	64.70	0.53	1.35	100.00	591	30	312	6	124	29
RX 225526	299	--	14.60	12.40	0.03	11.10	0.22	6.59	0.19	1.90	0.16	47.70	1.49	2.95	99.30	182	3	154	2	116	35
RX 225527	299	--	14.50	9.44	0.02	10.90	0.13	6.43	0.19	3.73	0.17	48.70	1.54	3.15	98.90	212	11	134	5	118	35
RX 225528	299	--	11.00	4.27	0.02	7.16	0.78	4.62	0.25	2.30	0.15	65.10	0.98	2.55	99.20	1300	22	93	8	125	24
RX 225529	299	--	14.70	9.29	0.02	10.60	0.17	6.49	0.21	3.33	0.17	49.00	1.55	2.75	98.30	415	8	154	5	124	34
RX 225530	299	--	6.77	2.77	0.02	3.39	0.10	2.67	0.10	2.22	0.09	78.80	0.50	1.40	98.80	171	4	49	7	92	15
RX 225531	299	--	15.90	14.00	< 0.01	10.90	0.05	5.66	0.19	0.99	0.18	46.00	1.51	4.95	100.30	169	7	56	7	122	35
RX 225532	299	--	8.49	1.76	0.03	4.63	0.91	2.72	0.13	1.34	0.22	76.30	0.51	2.75	99.80	1040	22	60	10	128	30
RX 225533	299	--	15.00	7.40	0.03	10.90	0.26	7.38	0.20	3.63	0.17	48.50	1.54	3.40	98.40	610	6	170	7	127	30
RX 225534	299	--	7.65	1.40	0.03	3.58	1.27	2.08	0.13	0.99	0.20	78.50	0.42	2.20	98.40	1860	34	38	9	118	29
RX 225535	299	--	7.67	1.98	0.02	3.98	0.97	2.18	0.18	1.19	0.12	78.50	0.49	1.65	98.90	1190	27	52	8	111	18
RX 225536	299	--	7.27	3.01	0.03	4.58	0.41	3.04	0.16	1.58	0.66	77.10	0.53	1.15	99.50	357	12	66	7	152	39
RX 225537	299	--	6.84	1.58	0.02	3.85	1.06	1.64	0.11	0.92	0.17	80.60	0.38	1.95	99.10	1110	28	71	9	111	22
RX 225538	299	--	6.67	1.58	0.03	3.23	0.47	1.68	0.12	1.57	0.10	82.30	0.37	1.45	99.60	306	17	46	9	107	12
RX 225539	299	--	10.90	0.80	0.02	2.95	7.41	0.72	0.07	0.59	0.04	74.50	0.22	1.30	99.50	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss
RX 225540	299	--	13.00	8.37	< 0.01	9.92	0.89	4.85	0.34	2.56	0.14	51.30	1.22	6.20	98.80	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss
RX 225541	299	--	14.30	11.40	0.03	10.50	0.07	6.49	0.18	2.97	0.16	48.80	1.41	2.95	99.30	156	3	122	8	116	28
RX 225542	299	--	15.20	11.90	< 0.01	10.50	0.07	4.68	0.19	2.86	0.18	49.10	1.55	3.05	99.30	131	7	79	5	119	31
RX 225543	299	--	14.30	8.18	0.02	11.10	0.18	7.66	0.19	3.94	0.15	49.50	1.45	2.95	99.60	187	4	161	7	109	31
RX 225544	299	--	16.80	7.56	< 0.01	11.30	0.36	7.19	0.19	2.72	0.17	46.10	1.60	4.55	98.50	137	7	170	5	116	31
RX 223915	299	--	14.70	9.94	0.02	10.70	0.19	7.11	0.19	2.79	0.15	50.80	1.44	1.15	99.20	235	4	126	6	110	28
RX 223916	299	--	5.49	3.35	0.02	4.17	0.73	0.71	0.57	0.30	0.14	83.10	0.32	0.85	99.70	373	29	131	11	130	24
RX 223917	299	--	14.00	4.68	< 0.01	7.01	4.49	3.54	0.13	2.40	0.38	60.60	0.76	0.90	98.90	954	130	486	19	180	28
RX 223918	299	--	14.00	10.70	0.02	11.40	0.08	6.81	0.20	3.20	0.19	49.70	1.67	0.60	98.60	181	< 2	58	4	125	37
RX 223919	299	--	13.70	9.62	0.02	12.20	0.05	6.51	0.22	2.62	0.18	49.80	1.61	2.25	98.80	179	7	120	5	123	39
RX 223920	299	--	7.51	3.70	0.02	3.87	0.41	1.31	0.08	1.18	0.11	78.70	0.38	1.30	98.60	254	12	80	7	95	13
RX 223921	299	--	7.14	1.01	< 0.01	3.43	0.85	1.35	0.11	1.10	0.08	82.40	0.27	1.75	99.50	901	30	49	9	105	9
RX 223922	299	--	5.85	2.63	0.03	3.86	0.42	1.35	0.09	0.70	0.08	82.20	0.32	1.35	98.90	422	16	189	6	87	7
RX 223923	299	--	14.10	9.17	0.02	12.30	0.13	7.09	0.25	3.00	0.18	48.50	1.75	2.50	99.00	355	5	122	4	128	39
RX 223924	299	--	14.70	10.90	0.03	12.00	0.22	6.83	0.17	1.99	0.18	47.90	1.57	2.75	99.20	217	5	162	4	122	31

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: INCO EXPLORATION AND TECHNICAL SERVICES INC.
ATTN: SCOTT CASSELMAN
2690 - 666 BURRARD ST.
VANCOUVER, BC
V6C 2X8

Project : 60527
Comments: ATTN: SCOTT CASSELMAN

Page Number :2
Total Pages :2
Certificate Date: 29-JUN-94
Invoice No. :19417585
P.O. Number :
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CERTIFICATE OF ANALYSIS A9417585

SAMPLE	PREP CODE		Al2O3 % XRF	CaO % XRF	Cr2O3 % XRF	Fe2O3 % XRF	K2O % XRF	MgO % XRF	MnO % XRF	Na2O % XRF	P2O5 % XRF	SiO2 % XRF	TiO2 % XRF	LOI % XRF	TOTAL %	Ba ppm	Rb ppm	Sr ppm	Nb ppm	Zr ppm	Y ppm
RX 223925	299	--	11.30	4.96	0.03	5.07	1.32	1.52	0.57	1.51	0.17	70.30	0.63	2.00	99.40	891	41	285	11	188	32
RX 223926	299	--	14.30	9.49	0.03	10.20	0.05	6.87	0.17	3.97	0.17	50.40	1.51	2.30	99.50	125	6	141	7	120	30
RX 223927	299	--	3.50	0.42	0.03	0.92	< 0.01	1.15	0.04	1.52	0.06	91.40	0.19	0.80	100.00	84	3	14	9	75	9
RX 223928	299	--	3.84	0.13	0.01	1.67	0.75	0.81	0.06	0.14	0.10	89.90	0.19	1.40	99.00	1650	22	8	7	64	14
RX 223929	299	--	14.00	9.31	0.02	12.50	0.03	6.96	0.19	2.92	0.19	48.30	1.71	3.70	99.80	146	< 2	70	5	126	38
RX 223930	299	--	14.50	8.98	0.02	12.00	0.16	7.02	0.20	3.26	0.17	49.30	1.62	2.70	99.90	177	< 2	133	7	119	35
RX 223931	299	--	4.79	0.45	0.01	2.15	0.97	0.96	0.06	0.27	0.08	87.70	0.33	1.30	99.10	1210	37	14	8	158	16
RX 223932	299	--	13.10	9.69	0.02	10.40	0.02	6.29	0.18	3.13	0.17	51.90	1.56	2.60	99.10	134	5	58	6	114	29
RX 223933	299	--	13.90	12.00	0.02	11.90	0.58	7.06	0.22	1.29	0.18	47.90	1.59	3.55	100.20	236	13	74	5	114	30
RX 223934	299	--	13.30	12.60	0.02	11.50	0.02	6.67	0.22	1.21	0.17	49.10	1.54	4.00	100.30	130	3	56	4	115	29
RX 223935	299	--	13.20	13.30	0.02	11.70	0.02	6.49	0.23	0.78	0.17	49.40	1.54	3.55	100.40	119	4	89	5	116	31
RX 223936	299	--	12.30	13.40	0.01	10.20	< 0.01	5.65	0.19	1.54	0.15	53.10	1.31	2.35	100.20	125	2	42	5	99	26
RX 223937	299	--	13.00	13.20	0.02	10.70	0.09	5.89	0.18	0.57	0.17	51.80	1.51	3.35	100.50	123	3	41	5	108	34

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: INCO EXPLORATION AND TECHNICAL SERVICES INC.
ATTN: SCOTT CASSELMAN
2690 - 666 BURRARD ST.
VANCOUVER, BC
V6C 2X8

A9418444

Comments: ATTN: S. CASSELMAN CC: C. BELL

CERTIFICATE A9418444

INCO EXPLORATION AND TECHNICAL SERVICES INC.

Project: 60527
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 15-JUL-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
299	59	Pulp; prepped on other workorder

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
902	59	Al2O3 %: XRF	XRF	0.01	100.00
906	59	CaO %: XRF	XRF	0.01	100.00
2590	59	Cr2O3 %: XRF	XRF	0.01	100.00
903	59	Fe2O3 %: XRF	XRF	0.01	100.00
908	59	K2O %: XRF	XRF	0.01	100.00
905	59	MgO %: XRF	XRF	0.01	100.00
1989	59	MnO %: XRF	XRF	0.01	100.00
907	59	Na2O %: XRF	XRF	0.01	100.00
909	59	P2O5 %: XRF	XRF	0.01	100.00
901	59	SiO2 %: XRF	XRF	0.01	100.00
904	59	TiO2 %: XRF	XRF	0.01	100.00
910	59	LOI %: XRF	XRF	0.01	100.00
2540	59	Total %	CALCULATION	0.01	105.00

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Project : 60527
Comments: ATTN: S. CASSELMAN CC: C. BELL

Page Number :1
Total Pages :2
Certificate Date: 15-JUL-94
Invoice No. :I9418444
P.O. Number :
Account :KPJA

CERTIFICATE OF ANALYSIS A9418444

SAMPLE	PREP CODE		Al2O3 % XRF	CaO % XRF	Cr2O3 % XRF	Fe2O3 % XRF	K2O % XRF	MgO % XRF	MnO % XRF	Na2O % XRF	P2O5 % XRF	SiO2 % XRF	TiO2 % XRF	LOI % XRF	TOTAL %	
RX 223938	299	--	7.04	1.53	0.02	2.36	0.32	1.54	0.01	2.39	0.08	82.94	0.35	1.06	99.64	
RX 223939	299	--	14.56	10.33	0.03	11.76	0.18	6.67	0.16	3.10	0.16	49.39	1.63	2.47	100.45	
RX 223940	299	--	14.23	10.79	0.04	11.26	0.55	7.09	0.18	2.10	0.17	49.50	1.66	2.94	100.50	
RX 223941	299	--	14.50	11.59	0.04	10.40	0.17	7.52	0.17	2.88	0.13	48.76	1.30	2.75	100.20	
RX 223942	299	--	14.21	7.28	0.05	12.32	0.14	8.20	0.16	3.99	0.15	49.09	1.62	3.09	100.30	
RX 223943	299	--	14.93	12.57	0.05	11.20	0.18	7.62	0.16	1.57	0.13	46.72	1.38	3.53	100.05	
RX 223944	299	--	13.49	11.87	0.04	11.15	0.28	6.89	0.16	1.48	0.15	51.01	1.56	2.39	100.50	
RX 223945	299	--	14.22	8.18	0.04	9.92	0.55	6.77	0.15	4.22	0.16	52.20	1.49	2.49	100.40	
RX 223946	299	--	13.74	10.12	0.04	10.64	0.30	6.99	0.16	3.82	0.16	50.70	1.53	1.97	100.15	
RX 223947	299	--	13.15	12.93	0.04	9.09	0.07	6.11	0.16	0.72	0.11	51.32	1.12	5.44	100.25	
RX 223948	299	--	14.75	11.28	0.04	10.27	0.13	7.40	0.16	3.07	0.12	49.40	1.30	2.90	100.80	
RX 223949	299	--	16.20	2.05	0.05	12.15	1.64	7.31	0.17	0.34	0.13	50.58	1.50	8.25	100.40	
RX 223950	299	--	14.84	10.42	0.05	10.42	0.89	7.95	0.15	2.79	0.12	47.78	1.33	3.60	100.30	
RX 223951	299	--	15.20	12.80	0.04	11.67	0.31	7.16	0.17	1.80	0.15	45.84	1.60	3.65	100.40	
RX 223952	299	--	14.91	11.83	0.04	10.71	0.13	6.59	0.18	3.54	0.14	47.90	1.42	3.30	100.70	
RX 223953	299	--	14.83	9.47	0.04	10.51	0.24	7.98	0.16	3.64	0.15	49.06	1.46	3.44	100.95	
RX 223954	299	--	14.44	14.25	0.05	10.00	0.22	7.18	0.17	0.63	0.11	49.86	1.21	2.81	100.95	
RX 223955	299	--	14.99	9.99	0.05	9.55	0.56	6.86	0.14	3.47	0.13	50.74	1.27	2.77	100.55	
RX 223956	299	--	15.05	7.30	0.05	10.30	0.19	6.91	0.15	4.34	0.14	47.93	1.32	5.89	99.56	
RX 223957	299	--	15.73	9.73	0.02	10.03	0.10	4.90	0.14	3.39	0.16	50.75	1.52	3.55	100.00	
RX 223958	299	--	16.51	1.64	0.06	10.89	3.05	5.59	0.18	2.66	0.19	49.79	1.86	7.53	99.95	
RX 223959	299	--	7.27	0.87	0.03	4.26	1.65	2.36	0.09	1.23	0.24	78.06	0.51	2.63	99.18	
RX 223960	299	--	10.82	0.80	0.02	2.84	7.23	0.73	0.04	0.55	0.03	75.17	0.25	1.25	99.74	
RX 223961	299	--	13.32	8.38	0.01	9.70	0.88	4.99	0.31	2.93	0.13	51.39	1.23	6.46	99.74	
RX 225545	299	--	14.29	10.35	0.04	9.89	0.17	6.70	0.15	3.59	0.16	51.92	1.40	2.26	100.90	
RX 225546	299	--	16.00	7.42	0.02	10.60	0.22	6.41	0.15	4.92	0.18	50.22	1.68	3.10	100.95	
RX 225547	299	--	15.02	11.75	0.03	9.42	0.12	4.61	0.13	2.46	0.15	51.47	1.44	3.40	99.99	
RX 225548	299	--	14.48	10.84	0.04	11.90	0.13	6.78	0.16	2.72	0.17	47.76	1.61	3.56	100.15	
RX 225549	299	--	14.39	8.98	0.05	10.17	0.18	6.97	0.16	4.41	0.18	50.60	1.53	2.51	100.10	
RX 225550	299	--	14.75	9.68	0.04	11.52	0.26	7.70	0.17	3.54	0.16	48.66	1.58	2.78	100.85	
RX 225551	299	--	3.80	0.10	0.02	2.65	0.86	1.13	< 0.01	0.12	0.05	89.13	0.23	1.51	99.60	
RX 225552	299	--	6.85	0.76	0.03	2.71	1.41	1.41	0.07	0.16	0.28	82.56	0.45	2.70	99.38	
RX 225553	299	--	14.80	9.00	0.04	10.69	0.19	8.01	0.15	3.52	0.15	49.74	1.45	3.25	101.00	
RX 225554	299	--	15.58	7.64	0.02	10.47	0.12	5.62	0.14	5.39	0.13	51.26	1.12	2.65	100.15	
RX 225556	299	--	16.75	8.89	0.02	11.34	0.20	5.80	0.17	4.07	0.18	48.45	1.65	3.20	100.70	
RX 225557	299	--	14.61	10.41	0.04	9.97	0.19	6.59	0.14	3.71	0.15	50.34	1.38	2.62	100.15	
RX 225558	299	--	14.79	10.03	0.04	10.36	0.16	6.64	0.15	4.09	0.17	49.24	1.50	2.21	99.38	
RX 225559	299	--	14.76	10.44	0.04	11.69	0.21	7.27	0.17	2.21	0.16	48.56	1.63	3.26	100.40	
RX 225560	299	--	14.42	11.57	0.05	11.59	0.22	6.76	0.18	2.69	0.17	48.56	1.60	2.37	100.15	
RX 225561	299	--	14.98	9.89	0.04	10.66	0.39	7.69	0.15	3.09	0.09	49.59	1.15	2.44	100.15	

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: INCO EXPLORATION AND TECHNICAL SERVICES INC.
ATTN: SCOTT CASSELMAN
2690 - 666 BURRARD ST.
VANCOUVER, BC
V6C 2X8

Project : 60527
Comments: ATTN: S. CASSELMAN CC: C. BELL

Certificate Date: 15-JUL-94
Invoice No. :19418444
P.O. Number :
Account :KPJA

CERTIFICATE OF ANALYSIS A9418444

SAMPLE	PREP CODE		Al2O3 % XRF	CaO % XRF	Cr2O3 % XRF	Fe2O3 % XRF	K2O % XRF	MgO % XRF	MnO % XRF	Na2O % XRF	P2O5 % XRF	SiO2 % XRF	TiO2 % XRF	LOI % XRF	TOTAL %	
RX 225562	299	--	8.51	4.45	0.02	3.57	0.49	1.60	0.08	1.22	0.08	78.09	0.41	2.03	100.55	
RX 225563	299	--	15.43	8.99	0.02	10.58	0.27	6.12	0.16	4.46	0.18	49.83	1.62	2.39	100.05	
RX 225564	299	--	14.20	9.47	0.04	11.25	0.11	7.13	0.16	4.22	0.14	48.96	1.53	2.88	100.10	
RX 225565	299	--	13.83	8.89	0.04	9.90	0.12	7.07	0.15	4.17	0.15	52.40	1.40	2.03	100.15	
RX 225566	299	--	14.90	9.20	0.04	9.68	0.11	6.87	0.14	4.77	0.15	49.44	1.33	2.59	99.22	
RX 225567	299	--	14.56	9.64	0.04	10.97	0.15	7.19	0.15	4.17	0.15	49.16	1.55	2.64	100.40	
RX 225568	299	--	14.60	9.54	0.05	10.51	0.19	6.91	0.15	4.58	0.18	49.33	1.52	2.57	100.10	
RX 225569	299	--	14.68	9.69	0.04	10.07	0.14	6.84	0.14	4.49	0.14	50.23	1.39	2.67	100.50	
RX 225570	299	--	14.21	8.91	0.05	10.45	0.17	7.43	0.14	4.48	0.14	50.18	1.45	2.76	100.35	
RX 225571	299	--	15.22	9.56	0.04	10.14	0.12	6.81	0.16	4.51	0.18	48.45	1.47	3.01	99.66	
RX 225572	299	--	14.96	8.72	0.02	11.06	0.10	6.27	0.16	4.53	0.16	49.90	1.46	3.09	100.40	
RX 225573	299	--	15.07	9.68	0.04	9.80	0.17	6.24	0.16	4.72	0.19	49.70	1.33	2.64	99.81	
RX 225574	299	--	14.58	9.85	0.04	10.97	0.15	7.97	0.15	3.66	0.14	48.14	1.46	3.12	100.25	
RX 225575	299	--	14.75	15.41	0.08	10.80	0.08	5.88	0.19	0.74	0.15	47.49	1.43	3.73	100.70	
RX 225576	299	--	14.64	8.30	0.04	11.23	0.09	8.00	0.16	4.41	0.18	48.95	1.58	3.16	100.75	
RX 225577	299	--	6.67	0.27	0.02	5.06	1.85	1.58	0.04	0.28	0.09	81.05	0.37	2.99	100.25	
RX 225578	299	--	6.77	0.67	0.02	2.79	1.59	1.26	0.06	0.55	0.08	84.16	0.32	2.27	100.55	
RX 225579	299	--	5.64	0.38	0.01	4.42	0.98	1.66	0.05	0.94	0.11	83.95	0.29	2.11	100.55	
RX 225580	299	--	14.47	11.12	0.04	11.07	0.17	7.41	0.18	1.44	0.18	49.64	1.67	2.98	100.35	

CERTIFICATION: B. C

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: INCO EXPLORATION AND TECHNICAL SERVICES INC.
ATTN: SCOTT CASSELMAN
2690 - 666 BURRARD ST.
VANCOUVER, BC
V6C 2X8

A9419474

Comments: ATTN: S. CASSELMAN CC: C. BELL

CERTIFICATE A9419474

INCO EXPLORATION AND TECHNICAL SERVICES INC.

Project: 60527
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 14-JUL-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
299	4	Pulp; prepped on other workorder

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
902	4	Al2O3 %: XRF	XRF	0.01	100.00
906	4	CaO %: XRF	XRF	0.01	100.00
2590	4	Cr2O3 %: XRF	XRF	0.01	100.00
903	4	Fe2O3 %: XRF	XRF	0.01	100.00
908	4	K2O %: XRF	XRF	0.01	100.00
905	4	MgO %: XRF	XRF	0.01	100.00
1989	4	MnO %: XRF	XRF	0.01	100.00
907	4	Na2O %: XRF	XRF	0.01	100.00
909	4	P2O5 %: XRF	XRF	0.01	100.00
901	4	SiO2 %: XRF	XRF	0.01	100.00
904	4	TiO2 %: XRF	XRF	0.01	100.00
910	4	LOI %: XRF	XRF	0.01	100.00
2540	4	Total %	CALCULATION	0.01	105.00
2891	4	Ba ppm: XRF	XRF	2	10000
2067	4	Rb ppm: XRF	XRF	2	10000
2898	4	Sr ppm: XRF	XRF	2	10000
2973	4	Nb ppm: XRF	XRF	2	10000
2978	4	Zr ppm: XRF	XRF	3	10000
2974	4	Y ppm: XRF	XRF	2	10000

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Page Number :1
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Certificate Date: 14-JUL-94
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Account :KPJA

CERTIFICATE OF ANALYSIS A9419474

SAMPLE	PREP CODE		Al2O3 % XRF	CaO % XRF	Cr2O3 % XRF	Fe2O3 % XRF	K2O % XRF	MgO % XRF	MnO % XRF	Na2O % XRF	P2O5 % XRF	SiO2 % XRF	TiO2 % XRF	LOI % XRF	TOTAL %	Ba ppm	Rb ppm	Sr ppm	Nb ppm	Zr ppm	Y ppm
RX223962	299	--	15.91	14.50	0.05	10.26	0.14	7.20	0.15	1.40	0.12	45.66	1.31	3.94	100.65	121	5	40	5	91	29
RX223963	299	--	14.03	12.84	0.04	11.25	0.36	7.24	0.20	1.23	0.16	48.24	1.65	3.33	100.55	190	4	57	5	112	28
RX223964	299	--	11.84	14.41	0.03	8.81	0.16	5.34	0.18	1.00	0.13	54.36	1.32	2.49	100.05	121	2	39	5	101	28
RX223965	299	--	12.65	0.87	0.08	9.92	0.94	4.01	0.18	0.29	0.39	62.27	1.29	7.03	99.92	668	27	21	6	107	43

CERTIFICATION: B. C

INCO

INCO EXPLORATION AND TECHNICAL SERVICES INC.
MEMORANDUM

TO S. Casselman

FROM A.R. Clark (H.C. Mackowiak) DATE July 5, 1993

SUBJECT **XRF ANALYSES FOR 59 SAMPLES FROM C.M. CLAIMS, B.C.**

Attached are XRF trace element analyses for 59 samples submitted by you from the C.M. Claims Property, British Columbia.

H. Mackowiak

x.c. R.A. Alcock
P.J. Rush ✓
H.C. Mackowiak

C.M. CLAIMS BRITISH COLUMBIA
F1939.MTX96
XRF ANALYSES
JULY 5 1994

SAMPLE NO.	NB PPM	ZR PPM	Y PPM	SR PPM	RB PPM	BA %
RX 223938	7	116	20	145	<5	0.06
RX 223939	<5	119	36	229	<5	0.02
RX 223940	5	124	38	88	<5	0.01
RX 223941	<5	87	31	99	<5	<0.01
RX 223942	<5	111	38	157	<5	<0.01
RX 223943	5	98	35	58	<5	<0.01
RX 223944	5	115	36	66	<5	<0.01
RX 223945	5	110	36	183	5	<0.01
RX 223946	<5	112	37	164	<5	<0.01
RX 223947	5	84	26	27	<5	<0.01
RX 223948	5	92	31	71	<5	<0.01
RX 223949	5	97	35	22	41	0.09
RX 223950	5	91	31	171	12	0.02
RX 223951	<5	111	37	58	<5	<0.01
RX 223952	<5	112	29	98	<5	<0.01
RX 223953	<5	77	31	344	<5	<0.01
RX 223954	5	104	35	159	<5	<0.01
RX 223955	<5	97	31	192	9	0.01
RX 223956	5	98	32	209	<5	0.02
RX 223957	<5	116	35	40	<5	<0.01
RX 223958	<5	141	27	119	76	0.16
RX 223959	8	152	27	53	35	0.15
RX 223960	23	326	135	21	107	0.10
RX 223961	6	105	33	105	11	0.04
RX 225545	6	114	36	67	<5	0.01
RX 225546	5	122	37	111	<5	0.01
RX 225547	<5	106	33	29	<5	<0.01
RX 225548	6	130	38	53	<5	<0.01
RX 225549	6	121	36	132	<5	0.01
RX 225550	5	110	39	89	<5	0.01
RX 225551	8	69	10	7	22	0.22
RX 225552	9	168	35	17	43	0.29
RX 225553	<5	104	36	171	<5	0.02
RX 225554	5	77	30	106	<5	0.02
RX 225556	<5	116	38	80	<5	0.01
RX 225557	<5	100	31	79	<5	<0.01
RX 225558	5	118	37	66	<5	<0.01
RX 225559	5	122	37	68	<5	<0.01
RX 225560	<5	117	39	110	<5	<0.01
RX 225561	<5	70	27	149	5	<0.01

N.M.

C.M.CLAIMS BRITISH COLUMBIA
F1939.MTX96
XRF ANALYSES

JULY 5 1994

SAMPLE NO.	NB PPM	ZR PPM	Y PPM	SR PPM	RB PPM	BA %
RX 225562	8	121	20	49	12	0.05
RX 225563	5	121	37	179	5	<0.01
RX 225564	<5	102	34	214	<5	<0.01
RX 225565	<5	100	35	74	<5	0.01
RX 225566	<5	106	32	93	<5	0.01
RX 225567	6	112	37	200	<5	0.01
RX 225568	6	121	37	244	<5	<0.01
RX 225569	<5	94	32	87	<5	0.02
RX 225570	<5	104	34	131	<5	0.01
RX 225571	5	112	36	114	<5	<0.01
RX 225572	<5	101	32	93	<5	0.01
RX 225573	<5	103	34	153	<5	0.01
RX 225574	<5	102	35	189	<5	<0.01
RX 225575	<5	101	33	32	<5	<0.01
RX 225576	6	118	36	65	<5	<0.01
RX 225577	7	98	12	13	48	0.11
RX 225578	6	105	16	24	51	0.14
RX 225579	6	89	19	34	23	0.12
RX 225580	5	123	40	66	<5	<0.01
2BAS	7	106	31	106	11	0.03
2RHY	28	318	137	23	100	0.08
3BAS3-3	5	104	33	122	10	0.03
3RHY3-3	26	316	134	13	108	0.08
DETECTION LIMITS	5	5	5	5	5	0.01

INCO EXPLORATION AND TECHNICAL SERVICES INC.
EXPLORATION ASSAY LAB
COPPER CLIFF

H.M.

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: INCO EXPLORATION AND TECHNICAL SERVICES INC.
ATTN: SCOTT CASSELMAN
2690 - 666 BURRARD ST.
VANCOUVER, BC
V6C 2X8

A9416854

Comments: ATTN: SCOTT CASSELMAN

CERTIFICATE A9416854

INCO EXPLORATION AND TECHNICAL SERVICES INC.

Project: 60527
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 1-JUN-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	23	Geochem ring to approx 150 mesh
274	23	11-15 lb crush and split
229	23	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	1	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	23	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	23	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	23	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	23	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	23	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	23	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	23	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	23	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	23	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	23	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	23	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	23	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	23	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	23	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	23	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	23	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	23	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	23	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	23	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	23	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	23	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	23	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	23	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	23	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	23	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	23	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	23	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	23	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	23	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	23	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	23	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	23	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

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British Columbia, Canada V7J 2C1
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2690 - 666 BURRARD ST.
VANCOUVER, BC
V6C 2X8

Project : 60527
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P.O. Number :
Account : KPJA

CERTIFICATE OF ANALYSIS A9416854

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
RX223906	205	274	-----	< 0.2	1.17	< 2	30	< 0.5	< 2	0.56	< 0.5	7	172	< 1	1.39	10	< 1	0.04	< 10	1.16	170
RX223907	205	274	-----	< 0.2	3.28	< 2	10	< 0.5	< 2	1.87	< 0.5	26	46	7	5.22	20	1	0.03	< 10	2.43	715
RX223908	205	274	-----	0.2	2.07	8	100	< 0.5	< 2	1.54	< 0.5	14	262	90	2.45	20	1	0.13	10	1.13	480
RX223909	205	274	-----	< 0.2	3.53	4	20	< 0.5	< 2	2.38	< 0.5	25	34	25	5.04	20	< 1	0.02	< 10	2.24	685
RX223910	205	274	-----	< 0.2	2.44	< 2	30	< 0.5	< 2	1.25	< 0.5	23	63	56	3.81	20	1	0.02	< 10	2.13	485
RX223911	205	274	-----	< 0.2	2.92	6	< 10	< 0.5	< 2	1.25	< 0.5	23	38	70	4.24	10	1	0.07	< 10	2.28	565
RX223912	205	274	-----	< 0.2	1.77	< 2	530	< 0.5	< 2	1.90	< 0.5	7	127	< 1	0.87	10	< 1	0.02	< 10	0.60	410
RX223913	205	274	-----	< 0.2	1.45	< 2	410	< 0.5	< 2	3.74	< 0.5	7	199	3	1.01	< 10	< 1	0.04	10	1.74	790
RX223914	205	274	-----	< 0.2	3.30	< 2	10	< 0.5	< 2	3.03	< 0.5	22	48	53	3.57	10	< 1	0.01	< 10	1.64	405
RX225501	205	274	-----	21.6	0.51	286	60	< 0.5	< 2	0.11	1.0	20	193	9090	>15.00	90	5	0.03	10	0.09	30
RX225502	205	274	-----	1.2	1.29	112	200	< 0.5	< 2	0.35	2.0	14	121	4590	>15.00	30	1	0.08	< 10	0.56	165
RX225503	205	274	-----	3.2	2.51	336	40	< 0.5	< 2	0.17	1.0	13	219	8900	8.02	20	2	0.01	10	1.85	700
RX225504	205	274	-----	0.4	1.42	40	820	< 0.5	2	0.12	< 0.5	5	106	559	4.05	10	1	0.11	< 10	0.98	370
RX225505	205	274	-----	0.2	2.29	28	220	< 0.5	< 2	0.18	< 0.5	11	126	586	5.98	10	3	0.02	10	2.05	590
RX225506	205	274	-----	< 0.2	3.33	4	50	< 0.5	< 2	1.92	< 0.5	27	34	15	5.61	20	1	0.03	< 10	2.51	770
RX225507	205	274	< 5	0.2	1.11	4	120	< 0.5	< 2	1.22	< 0.5	10	150	108	1.83	10	< 1	0.06	10	1.29	840
RX225508	205	274	-----	0.2	3.97	< 2	10	< 0.5	< 2	4.19	< 0.5	20	34	71	4.43	20	< 1	0.01	< 10	1.35	660
RX225509	205	274	-----	0.2	2.44	12	50	< 0.5	< 2	1.80	< 0.5	19	137	186	4.44	20	< 1	0.04	10	1.19	1635
RX225510	205	274	-----	< 0.2	5.40	< 2	< 10	< 0.5	< 2	4.25	< 0.5	26	60	67	5.79	20	< 1	0.06	< 10	2.63	880
RX225511	205	274	-----	0.2	4.32	14	30	< 0.5	< 2	4.49	< 0.5	21	66	50	4.08	20	< 1	0.01	< 10	1.61	660
RX225512	205	274	-----	0.2	4.42	2	< 10	< 0.5	< 2	4.68	< 0.5	20	40	71	4.22	20	< 1	0.01	< 10	1.34	545
RX225513	205	274	-----	< 0.2	3.74	< 2	< 10	< 0.5	< 2	3.29	< 0.5	25	68	64	4.23	20	< 1	0.04	< 10	2.26	600
RX225514	205	274	-----	0.2	4.22	< 2	10	< 0.5	< 2	4.46	< 0.5	21	55	63	4.33	20	< 1	< 0.01	< 10	1.59	665

CERTIFICATION: Jhai D'Mar

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: INCO EXPLORATION AND TECHNICAL SERVICES INC.
ATTN: SCOTT CASSELMAN
2690 - 666 BURRARD ST.
VANCOUVER, BC
V6C 2X8

Project : 60527
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CERTIFICATE OF ANALYSIS A9416854

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
RX223906	205	274	< 1	0.06	17	340	< 2	< 2	6	53	0.17	< 10	10	38	10	2
RX223907	205	274	< 1	0.07	55	630	< 2	< 2	7	11	0.42	< 10	< 10	139	10	50
RX223908	205	274	1	0.04	33	840	2	4	9	10	0.12	< 10	< 10	65	20	20
RX223909	205	274	< 1	0.11	55	600	< 2	< 2	7	15	0.47	< 10	< 10	137	10	52
RX223910	205	274	< 1	0.10	56	450	< 2	2	5	15	0.46	< 10	< 10	90	< 10	50
RX223911	205	274	< 1	0.12	51	510	< 2	2	3	19	0.48	< 10	< 10	99	< 10	56
RX223912	205	274	< 1	< 0.01	17	150	< 2	< 2	6	2	0.08	< 10	< 10	28	< 10	4
RX223913	205	274	< 1	0.01	36	5480	< 2	< 2	3	30	< 0.01	< 10	< 10	52	10	28
RX223914	205	274	< 1	0.03	53	560	< 2	< 2	4	7	0.53	< 10	< 10	102	< 10	56
RX225501	205	274	249	0.01	13	1020	700	62	6	44	0.03	< 10	< 10	56	10	496
RX225502	205	274	16	0.03	19	660	22	< 2	8	14	0.26	< 10	10	170	10	458
RX225503	205	274	114	< 0.01	33	2470	78	8	8	16	< 0.01	< 10	< 10	158	10	246
RX225504	205	274	9	0.01	14	540	12	2	6	10	0.01	< 10	< 10	51	< 10	90
RX225505	205	274	1	< 0.01	50	1190	6	6	6	5	< 0.01	< 10	< 10	129	10	60
RX225506	205	274	< 1	0.05	51	600	< 2	2	8	10	0.54	< 10	< 10	155	10	54
RX225507	205	274	1	0.01	21	880	< 2	< 2	3	11	< 0.01	< 10	< 10	36	< 10	78
RX225508	205	274	< 1	0.15	20	650	4	2	6	17	0.42	< 10	< 10	126	< 10	68
RX225509	205	274	< 1	0.01	62	1390	20	< 2	6	92	0.17	< 10	10	114	10	96
RX225510	205	274	< 1	0.09	32	520	< 2	< 2	16	13	0.60	< 10	< 10	199	10	68
RX225511	205	274	< 1	0.15	26	510	2	< 2	11	19	0.42	< 10	< 10	161	10	58
RX225512	205	274	< 1	0.08	23	590	< 2	< 2	6	9	0.36	< 10	< 10	121	< 10	68
RX225513	205	274	< 1	0.14	71	430	4	< 2	8	17	0.44	< 10	< 10	135	10	50
RX225514	205	274	< 1	0.19	26	590	4	< 2	8	18	0.41	< 10	< 10	154	10	52

CERTIFICATION: Thai D Ma

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: INCO EXPLORATION AND TECHNICAL SERVICES INC.
ATTN: SCOTT CASSELMAN
2690 - 666 BURRARD ST.
VANCOUVER, BC
V6C 2X8

A9417583

Comments: ATTN: SCOTT CASSELMAN

CERTIFICATE A9417583

INCO EXPLORATION AND TECHNICAL SERVICES INC.

Project: 60527
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 15-JUN-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	51	Geochem ring to approx 150 mesh
226	51	0-5 lb crush and split
229	53	ICP - AQ Digestion charge
214	2	Rcvd as pulp; mesh size checked

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
2118	53	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	53	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	53	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	53	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	53	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	53	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	53	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	53	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	53	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	53	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	53	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	53	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	53	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	53	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	53	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	53	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	53	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	53	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	53	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	53	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	53	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	53	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	53	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	53	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	53	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	53	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	53	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	53	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	53	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	53	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	53	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	53	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

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CERTIFICATE OF ANALYSIS A9417583

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
RX 225515	205	226	< 0.2	1.01	< 2	120	< 0.5	< 2	0.63	< 0.5	7	225	28	1.05	< 10	< 1	0.08	< 10	0.34	245	3
RX 225516	205	226	< 0.2	3.52	< 2	30	< 0.5	< 2	2.22	< 0.5	23	47	39	4.20	< 10	< 1	0.01	< 10	2.34	630	< 1
RX 225517	205	226	< 0.2	3.21	4	20	< 0.5	< 2	1.78	< 0.5	18	36	58	4.41	< 10	< 1	0.04	< 10	1.65	480	< 1
RX 225518	205	226	< 0.2	4.27	< 2	10	< 0.5	< 2	3.36	< 0.5	17	33	78	4.29	< 10	< 1	0.02	< 10	1.54	690	< 1
RX 225519	205	226	< 0.2	3.34	< 2	20	< 0.5	6	1.74	< 0.5	18	41	60	4.43	< 10	< 1	0.05	< 10	2.05	640	< 1
RX 225520	205	226	< 0.2	1.45	6	50	< 0.5	< 2	0.93	< 0.5	10	130	31	1.83	< 10	< 1	0.02	< 10	1.00	515	< 1
RX 225521	205	226	< 0.2	1.97	< 2	50	< 0.5	2	1.32	< 0.5	17	123	34	2.98	< 10	< 1	0.17	10	1.76	455	< 1
RX 225522	205	226	< 0.2	3.78	< 2	10	< 0.5	2	2.92	< 0.5	19	42	60	4.13	< 10	< 1	0.01	< 10	1.93	570	< 1
RX 225523	205	226	< 0.2	3.15	6	10	< 0.5	< 2	1.67	< 0.5	21	30	67	4.36	< 10	< 1	0.04	< 10	2.16	630	< 1
RX 225524	205	226	< 0.2	3.41	< 2	10	< 0.5	6	1.66	< 0.5	22	63	68	4.08	< 10	< 1	0.01	< 10	2.81	575	< 1
RX 225525	205	226	< 0.2	1.78	4	90	< 0.5	< 2	0.94	< 0.5	9	80	46	2.56	< 10	< 1	0.21	< 10	0.73	370	< 1
RX 225526	205	226	< 0.2	3.96	2	10	< 0.5	< 2	3.24	< 0.5	18	99	65	3.73	< 10	< 1	0.04	< 10	1.79	570	< 1
RX 225527	205	226	< 0.2	3.23	6	50	< 0.5	2	2.23	< 0.5	19	35	59	4.17	< 10	< 1	0.02	< 10	1.88	595	< 1
RX 225528	205	226	< 0.2	2.17	4	270	< 0.5	< 2	0.89	< 0.5	14	81	89	3.14	< 10	< 1	0.10	< 10	1.69	1000	< 1
RX 225529	205	226	< 0.2	3.03	< 2	70	< 0.5	< 2	1.56	< 0.5	17	30	29	3.92	< 10	< 1	0.02	< 10	1.65	650	< 1
RX 225530	205	226	< 0.2	1.28	< 2	20	< 0.5	< 2	0.80	< 0.5	5	119	7	1.22	< 10	< 1	0.01	< 10	0.92	280	< 1
RX 225531	205	226	< 0.2	5.13	2	30	< 0.5	2	3.89	< 0.5	22	62	43	4.55	< 10	< 1	0.01	< 10	2.17	665	< 1
RX 225532	205	226	< 0.2	2.11	< 2	220	< 0.5	< 2	0.81	< 0.5	10	196	111	2.50	< 10	< 1	0.14	10	1.37	610	2
RX 225533	205	226	< 0.2	3.57	< 2	80	< 0.5	2	1.51	< 0.5	20	39	20	4.91	< 10	< 1	0.03	< 10	2.73	780	< 1
RX 225534	205	226	< 0.2	1.56	< 2	540	< 0.5	< 2	0.76	< 0.5	8	146	73	1.94	< 10	< 1	0.19	10	1.03	605	2
RX 225535	205	226	< 0.2	1.56	< 2	370	< 0.5	< 2	0.69	< 0.5	11	112	64	2.05	< 10	< 1	0.14	< 10	0.95	920	< 1
RX 225536	205	226	< 0.2	1.58	4	60	< 0.5	< 2	1.11	< 0.5	10	207	81	2.25	< 10	< 1	0.05	10	1.39	705	1
RX 225537	205	226	< 0.2	1.44	< 2	210	< 0.5	< 2	0.65	< 0.5	10	116	74	2.04	< 10	< 1	0.13	< 10	0.76	520	< 1
RX 225538	205	226	< 0.2	1.34	4	40	< 0.5	< 2	0.67	< 0.5	10	178	109	1.80	< 10	< 1	0.06	< 10	0.86	560	2
RX 225539	229	214	0.2	0.73	< 2	20	< 0.5	< 2	0.47	< 0.5	4	163	4	1.58	10	< 1	0.20	30	0.30	290	2
RX 225540	229	214	< 0.2	2.92	16	20	< 0.5	< 2	3.31	< 0.5	35	19	96	4.43	< 10	< 1	0.08	< 10	2.28	1645	< 1
RX 225541	205	226	< 0.2	3.71	4	10	< 0.5	< 2	2.91	< 0.5	19	45	61	3.76	< 10	< 1	< 0.01	< 10	1.69	525	< 1
RX 225542	205	226	< 0.2	3.84	< 2	10	< 0.5	2	3.72	< 0.5	15	64	61	3.24	< 10	< 1	0.02	< 10	1.22	510	< 1
RX 225543	205	226	< 0.2	2.90	< 2	10	< 0.5	2	1.32	< 0.5	24	25	64	4.47	< 10	< 1	0.03	< 10	2.32	650	< 1
RX 225544	205	226	< 0.2	4.32	14	20	< 0.5	< 2	1.67	< 0.5	22	66	45	5.08	< 10	< 1	0.07	< 10	3.25	825	< 1
RX 223915	205	226	0.2	2.25	4	50	< 0.5	< 2	1.74	< 0.5	10	73	20	2.07	< 10	< 1	0.05	< 10	1.13	240	1
RX 223916	205	226	< 0.2	1.26	4	30	< 0.5	< 2	1.04	< 0.5	12	191	91	2.09	< 10	< 1	0.08	20	0.30	2430	1
RX 223917	205	226	0.2	1.90	< 2	220	< 0.5	< 2	1.18	< 0.5	10	104	11	3.21	< 10	< 1	0.99	30	1.34	470	< 1
RX 223918	205	226	< 0.2	1.55	< 2	10	< 0.5	< 2	1.90	< 0.5	9	127	11	2.07	< 10	< 1	0.02	< 10	1.00	310	< 1
RX 223919	205	226	0.6	2.56	< 2	10	< 0.5	< 2	1.12	< 0.5	19	45	40	4.61	< 10	< 1	< 0.01	10	1.78	730	< 1
RX 223920	205	226	0.2	1.51	< 2	20	< 0.5	< 2	0.96	< 0.5	5	186	63	2.09	< 10	< 1	0.04	10	0.68	310	< 1
RX 223921	205	226	< 0.2	1.45	2	150	< 0.5	< 2	0.38	< 0.5	6	67	58	2.13	< 10	< 1	0.12	10	0.70	510	< 1
RX 223922	205	226	< 0.2	1.40	6	90	< 0.5	< 2	0.79	< 0.5	10	218	91	2.01	< 10	< 1	0.07	10	0.75	400	< 1
RX 223923	205	226	0.4	3.08	2	10	< 0.5	< 2	1.41	< 0.5	24	31	54	5.41	< 10	< 1	< 0.01	10	2.23	1015	< 1
RX 223924	205	226	0.6	4.25	4	50	< 0.5	< 2	2.05	< 0.5	25	41	84	5.73	< 10	< 1	0.04	10	1.99	605	< 1

CERTIFICATION: Stan Buchler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: INCO EXPLORATION AND TECHNICAL SERVICES INC.
ATTN: SCOTT CASSELMAN
2690 - 666 BURRARD ST.
VANCOUVER, BC
V6C 2X8

Project : 60527
Comments: ATTN: SCOTT CASSELMAN

Certificate Date: 15-JUN-94
Invoice No. :19417583
P.O. Number :
Account :KPJA

CERTIFICATE OF ANALYSIS A9417583

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
RX 225515	205	226	0.01	14	110	4	2	3	6	0.06	< 10	< 10	31	< 10	34
RX 225516	205	226	0.05	56	520	4	2	4	19	0.42	< 10	< 10	131	20	52
RX 225517	205	226	0.20	44	700	6	< 2	3	36	0.57	< 10	< 10	151	20	64
RX 225518	205	226	0.17	18	540	2	< 2	7	17	0.44	< 10	< 10	144	20	62
RX 225519	205	226	0.13	35	510	< 2	< 2	8	14	0.50	< 10	< 10	159	20	56
RX 225520	205	226	0.12	29	370	2	< 2	7	11	0.15	< 10	< 10	67	< 10	20
RX 225521	205	226	0.13	31	1190	10	< 2	8	113	0.14	< 10	< 10	70	10	52
RX 225522	205	226	0.14	49	460	6	2	7	11	0.32	< 10	< 10	135	20	56
RX 225523	205	226	0.12	44	540	8	4	5	17	0.47	< 10	< 10	133	20	62
RX 225524	205	226	0.10	73	300	< 2	2	7	11	0.33	< 10	< 10	131	20	54
RX 225525	205	226	0.20	6	390	4	2	4	56	0.13	< 10	< 10	91	< 10	40
RX 225526	205	226	0.24	39	400	12	2	9	21	0.35	< 10	< 10	130	20	48
RX 225527	205	226	0.11	40	510	4	2	6	13	0.44	< 10	< 10	136	20	60
RX 225528	205	226	0.11	33	420	8	< 2	6	12	0.26	< 10	< 10	84	10	68
RX 225529	205	226	0.12	33	530	4	2	4	14	0.39	< 10	< 10	128	10	50
RX 225530	205	226	0.06	13	240	2	< 2	4	4	0.14	< 10	< 10	49	< 10	24
RX 225531	205	226	0.02	51	570	6	4	9	7	0.35	< 10	< 10	140	20	64
RX 225532	205	226	0.03	34	710	2	< 2	8	14	0.20	< 10	< 10	68	10	132
RX 225533	205	226	0.13	45	580	6	2	9	14	0.54	< 10	< 10	165	20	52
RX 225534	205	226	0.02	34	670	4	2	6	10	0.15	< 10	< 10	41	< 10	110
RX 225535	205	226	0.04	23	410	6	< 2	6	11	0.17	< 10	< 10	50	< 10	56
RX 225536	205	226	0.06	31	1930	4	< 2	4	13	0.09	< 10	< 10	57	< 10	166
RX 225537	205	226	0.02	24	590	12	< 2	4	17	0.12	< 10	< 10	46	< 10	82
RX 225538	205	226	0.03	21	340	2	< 2	4	7	0.13	< 10	< 10	50	< 10	50
RX 225539	229	214	0.01	5	50	2	< 2	1	7	0.01	< 10	< 10	8	< 10	22
RX 225540	229	214	0.03	21	410	2	2	9	20	0.32	< 10	< 10	158	20	64
RX 225541	205	226	0.10	41	510	4	< 2	4	12	0.37	< 10	< 10	118	20	52
RX 225542	205	226	0.14	15	430	< 2	< 2	8	12	0.34	< 10	< 10	142	10	38
RX 225543	205	226	0.10	54	490	12	< 2	5	10	0.43	< 10	< 10	127	20	62
RX 225544	205	226	0.03	39	510	4	4	13	20	0.44	< 10	< 10	158	20	74
RX 223915	205	226	0.30	23	480	< 2	< 2	6	34	0.19	< 10	< 10	79	< 10	22
RX 223916	205	226	0.02	45	450	4	< 2	4	56	0.11	< 10	< 10	52	< 10	46
RX 223917	205	226	0.14	11	650	< 2	2	7	50	0.21	< 10	< 10	96	< 10	54
RX 223918	205	226	0.28	22	520	< 2	< 2	9	8	0.22	< 10	< 10	88	< 10	26
RX 223919	205	226	0.12	42	520	< 2	< 2	4	13	0.51	< 10	< 10	106	< 10	66
RX 223920	205	226	0.02	13	340	10	2	3	16	0.14	< 10	< 10	28	< 10	68
RX 223921	205	226	0.03	13	280	< 2	< 2	2	13	0.12	< 10	< 10	18	< 10	34
RX 223922	205	226	0.02	18	260	6	< 2	4	64	0.13	< 10	< 10	32	< 10	70
RX 223923	205	226	0.14	50	630	< 2	2	6	14	0.58	< 10	< 10	142	10	66
RX 223924	205	226	0.23	54	590	< 2	2	4	46	0.63	< 10	< 10	127	20	92

CERTIFICATION: Ian Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: INCO EXPLORATION AND TECHNICAL SERVICES INC.
ATTN: SCOTT CASSELMAN
2690 - 666 BURRARD ST.
VANCOUVER, BC
V6C 2X8

Project : 60527
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Page Number :2-A
Total Pages :2
Certificate Date: 15-JUN-94
Invoice No. :I9417583
P.O. Number :
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CERTIFICATE OF ANALYSIS A9417583

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
RX 223925	205	226	< 0.2	2.30	4	140	0.5	< 2	1.81	< 0.5	12	174	77	2.48	< 10	< 1	0.19	20	0.74	3000	1
RX 223926	205	226	0.4	2.30	2	< 10	< 0.5	< 2	1.16	< 0.5	22	90	60	3.86	< 10	< 1	< 0.01	10	1.95	500	< 1
RX 223927	205	226	< 0.2	0.53	< 2	< 10	< 0.5	< 2	0.23	< 0.5	3	234	2	0.62	< 10	< 1	< 0.01	< 10	0.69	105	< 1
RX 223928	205	226	< 0.2	0.77	14	390	< 0.5	< 2	0.10	< 0.5	3	119	22	1.15	< 10	< 1	0.15	10	0.38	260	< 1
RX 223929	205	226	0.4	4.55	12	10	< 0.5	< 2	3.83	< 0.5	30	89	74	6.34	< 10	1	< 0.01	< 10	2.96	885	< 1
RX 223930	205	226	0.4	3.52	2	10	< 0.5	< 2	2.23	< 0.5	24	51	62	5.33	< 10	< 1	0.03	< 10	2.38	785	< 1
RX 223931	205	226	< 0.2	0.85	< 2	270	< 0.5	2	0.25	< 0.5	7	81	46	1.34	< 10	< 1	0.17	10	0.41	260	< 1
RX 223932	205	226	< 0.2	2.75	8	< 10	< 0.5	< 2	2.39	< 0.5	21	102	58	3.59	< 10	< 1	< 0.01	< 10	1.82	480	< 1
RX 223933	205	226	0.2	3.46	4	20	< 0.5	< 2	2.83	< 0.5	21	83	53	4.35	< 10	< 1	0.08	< 10	2.19	720	< 1
RX 223934	205	226	< 0.2	3.39	8	< 10	< 0.5	< 2	3.12	< 0.5	21	129	56	4.04	< 10	< 1	< 0.01	< 10	2.19	670	< 1
RX 223935	205	226	< 0.2	3.83	< 2	< 10	< 0.5	< 2	3.38	< 0.5	20	137	57	4.00	< 10	< 1	< 0.01	< 10	2.00	655	< 1
RX 223936	205	226	< 0.2	3.23	< 2	< 10	< 0.5	< 2	3.56	< 0.5	14	46	50	3.07	< 10	< 1	< 0.01	< 10	1.25	435	< 1
RX 223937	205	226	< 0.2	4.03	6	< 10	< 0.5	< 2	3.72	< 0.5	19	105	62	3.86	< 10	< 1	0.01	< 10	1.84	605	< 1

CERTIFICATION: Ivan Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: INCO EXPLORATION AND TECHNICAL SERVICES INC.
ATTN: SCOTT CASSELMAN
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VANCOUVER, BC
V6C 2X8

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Comments: ATTN: SCOTT CASSELMAN

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Invoice No. : I9417583
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CERTIFICATE OF ANALYSIS A9417583

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
RX 223925	205	226	0.03	27	560	4	2	8	112	0.23	< 10	< 10	40	< 10	86
RX 223926	205	226	0.10	59	480	< 2	< 2	4	9	0.44	< 10	< 10	79	< 10	58
RX 223927	205	226	0.03	21	190	< 2	< 2	4	2	0.08	< 10	< 10	22	< 10	4
RX 223928	205	226	< 0.01	11	380	2	< 2	2	2	< 0.01	< 10	< 10	18	< 10	20
RX 223929	205	226	0.18	59	610	< 2	4	13	21	0.70	10	< 10	211	30	74
RX 223930	205	226	0.18	58	480	< 2	4	8	17	0.61	10	< 10	166	20	72
RX 223931	205	226	0.01	21	280	4	< 2	2	4	< 0.01	10	< 10	11	< 10	36
RX 223932	205	226	0.15	56	490	< 2	2	6	14	0.46	< 10	< 10	123	10	42
RX 223933	205	226	0.14	55	480	< 2	2	6	19	0.48	< 10	< 10	129	10	60
RX 223934	205	226	0.12	55	440	< 2	2	6	18	0.43	< 10	< 10	117	10	78
RX 223935	205	226	0.14	52	470	< 2	< 2	6	19	0.48	< 10	< 10	130	10	54
RX 223936	205	226	0.11	36	420	< 2	< 2	4	12	0.34	< 10	< 10	88	10	60
RX 223937	205	226	0.17	56	450	< 2	2	7	15	0.39	< 10	< 10	135	10	46

CERTIFICATION: Stewart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: INCO EXPLORATION AND TECHNICAL SERVICES INC.
ATTN: SCOTT CASSELMAN
2690 - 666 BURRARD ST.
VANCOUVER, BC
V6C 2X8

A9418443

Comments: ATTN: S. CASSELMAN CC: C. BELL

CERTIFICATE A9418443

INCO EXPLORATION AND TECHNICAL SERVICES INC.

Project: 60527
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 28-JUN-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	58	Geochem ring to approx 150 mesh
294	58	Crush and split (6-10 pounds)
214	2	Rcvd as pulp; mesh size checked
229	60	ICP - AQ Digestion charge
251	7	Pulp splitting charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
2118	60	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	60	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	60	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	60	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	60	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	60	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	60	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	60	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	60	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	60	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	60	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	60	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	60	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	60	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	60	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	60	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	60	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	60	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	60	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	60	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	60	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	60	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	60	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	60	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	60	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	60	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	60	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	60	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	60	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	60	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	60	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	60	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

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VANCOUVER, BC
V6C 2X8

Project : 60527
Comments: ATTN: S. CASSELMAN CC: C. BELL

Certificate Date: 28-JUN-94
Invoice No. :19418443
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CERTIFICATE OF ANALYSIS A9418443

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
RX 223938	205	294	0.4	1.10	< 2	90	< 0.5	< 2	0.62	0.5	7	133	5	1.34	< 10	< 1	0.03	< 10	0.81	125	< 1
RX 223939	205	294	< 0.2	2.71	< 2	40	< 0.5	< 2	1.66	< 0.5	21	63	61	4.48	< 10	< 1	0.02	< 10	1.66	570	< 1
RX 223940	205	294	< 0.2	3.97	4	20	< 0.5	< 2	3.15	< 0.5	20	62	48	4.45	< 10	< 1	0.02	< 10	2.24	695	< 1
RX 223941	205	294	< 0.2	3.28	< 2	20	< 0.5	< 2	2.61	< 0.5	16	55	53	3.70	< 10	1	0.01	< 10	2.02	560	< 1
RX 223942	205	294	< 0.2	3.31	4	< 10	< 0.5	< 2	1.43	< 0.5	26	24	69	5.56	< 10	< 1	0.01	< 10	2.78	770	< 1
RX 223943	205	294	0.2	4.73	< 2	< 10	< 0.5	< 2	3.86	< 0.5	18	78	61	4.24	< 10	< 1	0.01	< 10	2.43	640	< 1
RX 223944	205	294	0.4	4.00	< 2	< 10	< 0.5	< 2	3.62	< 0.5	19	59	53	4.04	< 10	< 1	0.03	< 10	1.99	630	< 1
RX 223945	205	294	0.2	2.29	< 2	10	< 0.5	< 2	1.57	< 0.5	18	37	52	3.70	< 10	< 1	0.07	< 10	1.88	530	< 1
RX 223946	205	294	0.4	2.54	< 2	< 10	< 0.5	< 2	2.16	< 0.5	19	42	59	3.70	< 10	< 1	0.03	< 10	1.69	545	< 1
RX 223947	205	294	0.2	4.56	16	< 10	< 0.5	< 2	5.30	< 0.5	19	195	49	3.67	< 10	1	< 0.01	< 10	2.36	675	< 1
RX 223948	205	294	0.2	3.35	< 2	10	< 0.5	< 2	2.79	< 0.5	21	50	59	3.71	< 10	< 1	0.01	< 10	2.08	560	< 1
RX 223949	205	294	< 0.2	4.96	< 2	140	< 0.5	< 2	1.36	0.5	35	194	71	6.87	10	< 1	0.21	< 10	3.91	1190	< 1
RX 223950	205	294	0.2	3.60	< 2	10	< 0.5	< 2	2.24	< 0.5	23	30	60	4.55	10	2	0.06	< 10	2.36	610	< 1
RX 223951	205	294	0.2	4.76	< 2	10	< 0.5	< 2	4.21	< 0.5	22	76	59	4.69	< 10	< 1	0.06	< 10	2.26	690	< 1
RX 223952	205	294	0.2	3.83	< 2	10	< 0.5	< 2	3.92	< 0.5	21	42	58	4.26	10	< 1	0.02	< 10	1.69	790	< 1
RX 223953	205	294	0.2	4.41	< 2	10	< 0.5	< 2	4.15	< 0.5	22	155	62	3.49	< 10	< 1	0.03	< 10	2.16	610	< 1
RX 223954	205	294	0.2	2.89	< 2	< 10	< 0.5	< 2	1.56	< 0.5	23	24	50	4.31	< 10	< 1	0.04	< 10	2.30	630	< 1
RX 223955	205	294	0.2	3.38	< 2	10	< 0.5	< 2	2.70	< 0.5	19	49	64	4.11	< 10	2	0.08	< 10	1.91	585	< 1
RX 223956	205	294	0.4	3.59	< 2	30	< 0.5	< 2	2.96	< 0.5	28	137	63	5.48	< 10	< 1	0.02	< 10	3.31	895	< 1
RX 223957	205	294	0.4	4.69	< 2	< 10	< 0.5	< 2	4.35	< 0.5	19	33	85	4.55	10	2	0.01	< 10	1.74	705	< 1
RX 223958	205	294	0.2	3.99	< 2	80	< 0.5	< 2	0.80	< 0.5	38	249	179	6.70	10	< 1	0.10	< 10	3.18	1210	< 1
RX 223959	205	294	< 0.2	1.53	< 2	80	< 0.5	< 2	0.47	0.5	11	157	74	2.69	< 10	2	0.09	< 10	1.29	680	1
RX 223960	214	229	0.4	0.72	< 2	20	< 0.5	< 2	0.51	< 0.5	3	144	5	1.72	10	< 1	0.20	30	0.32	315	2
RX 223961	214	229	0.2	2.85	< 2	20	< 0.5	< 2	3.49	< 0.5	39	19	99	4.83	< 10	1	0.09	< 10	2.43	1805	< 1
RX 225545	205	294	0.4	3.23	< 2	10	< 0.5	< 2	2.73	< 0.5	18	67	57	3.80	< 10	1	0.01	< 10	1.77	610	< 1
RX 225546	205	294	0.4	3.06	< 2	60	< 0.5	< 2	1.80	< 0.5	23	27	63	5.07	< 10	< 1	0.03	< 10	2.09	760	< 1
RX 225547	205	294	< 0.2	4.56	2	10	< 0.5	< 2	4.93	< 0.5	17	88	60	3.81	10	< 1	< 0.01	< 10	1.33	585	< 1
RX 225548	205	294	0.4	4.67	< 2	20	< 0.5	< 2	4.47	< 0.5	21	72	53	4.93	< 10	1	0.01	< 10	2.36	790	< 1
RX 225549	205	294	0.4	2.85	< 2	< 10	< 0.5	< 2	2.19	< 0.5	21	38	63	4.19	< 10	< 1	0.01	< 10	1.95	625	< 1
RX 225550	205	294	0.2	3.36	< 2	10	< 0.5	< 2	2.45	< 0.5	22	25	59	4.62	10	< 1	0.06	< 10	2.11	665	< 1
RX 225551	205	294	< 0.2	1.04	< 2	780	< 0.5	< 2	0.07	< 0.5	2	113	54	1.61	< 10	< 1	0.19	< 10	0.53	105	< 1
RX 225552	205	294	0.2	1.28	10	670	< 0.5	< 2	0.46	< 0.5	4	98	92	1.64	< 10	< 1	0.23	20	0.58	520	1
RX 225553	205	294	< 0.2	3.29	2	20	< 0.5	< 2	1.81	< 0.5	22	28	50	4.84	< 10	< 1	0.03	< 10	2.40	670	< 1
RX 225554	205	294	< 0.2	2.94	< 2	10	< 0.5	< 2	2.40	< 0.5	17	30	11	4.63	10	1	< 0.01	< 10	1.62	515	< 1
RX 225555	205	294	0.4	0.78	4	740	< 0.5	< 2	1.57	0.5	6	172	67	1.08	< 10	1	0.32	20	0.11	155	1
RX 225556	205	294	0.4	3.66	< 2	10	< 0.5	< 2	2.82	< 0.5	18	28	58	4.71	10	< 1	0.02	< 10	1.87	745	< 1
RX 225557	205	294	0.2	3.08	< 2	10	< 0.5	< 2	2.68	< 0.5	17	28	57	3.69	< 10	< 1	0.02	< 10	1.61	530	< 1
RX 225558	205	294	0.4	3.06	< 2	< 10	< 0.5	< 2	2.65	< 0.5	20	40	60	3.80	< 10	1	0.01	< 10	1.70	555	< 1
RX 225559	205	294	0.6	3.65	6	10	< 0.5	< 2	2.65	< 0.5	19	71	59	4.28	< 10	< 1	0.02	< 10	2.22	670	< 1
RX 225560	205	294	0.4	3.21	< 2	10	< 0.5	< 2	3.05	< 0.5	14	59	50	3.59	10	< 1	0.01	< 10	1.50	565	< 1

CERTIFICATION: Ihai D Ma

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: INCO EXPLORATION AND TECHNICAL SERVICES INC.
ATTN: SCOTT CASSELMAN
2690 - 666 BURRARD ST.
VANCOUVER, BC
V6C 2X8

Project : 60527
Comments: ATTN: S. CASSELMAN CC: C. BELL

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CERTIFICATE OF ANALYSIS A9418443

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
RX 223938	205	294	0.06	14	270	10	< 2	4	52	0.15	< 10	< 10	32	< 10	46
RX 223939	205	294	0.06	29	610	14	6	4	33	0.56	< 10	< 10	153	10	66
RX 223940	205	294	0.26	51	490	10	4	8	25	0.48	< 10	< 10	162	10	60
RX 223941	205	294	0.16	53	330	4	6	8	19	0.32	< 10	< 10	115	10	44
RX 223942	205	294	0.10	63	550	10	10	6	11	0.55	< 10	< 10	174	10	72
RX 223943	205	294	0.21	53	400	6	2	7	21	0.40	< 10	< 10	149	10	52
RX 223944	205	294	0.25	47	450	12	6	7	24	0.44	< 10	< 10	148	10	50
RX 223945	205	294	0.17	47	400	4	4	6	17	0.37	< 10	< 10	113	< 10	52
RX 223946	205	294	0.28	48	420	< 2	4	6	24	0.38	< 10	< 10	114	< 10	56
RX 223947	205	294	0.10	46	380	< 2	10	9	20	0.37	< 10	< 10	153	10	46
RX 223948	205	294	0.15	56	340	4	2	7	12	0.36	< 10	< 10	126	< 10	48
RX 223949	205	294	0.02	69	540	4	6	25	21	< 0.01	< 10	< 10	155	10	66
RX 223950	205	294	0.08	67	410	6	4	3	17	0.42	< 10	< 10	125	10	58
RX 223951	205	294	0.23	43	480	< 2	4	9	20	0.42	< 10	< 10	160	10	56
RX 223952	205	294	0.09	49	500	2	< 2	6	15	0.41	< 10	< 10	135	10	50
RX 223953	205	294	0.13	68	300	10	2	9	68	0.29	< 10	< 10	128	10	40
RX 223954	205	294	0.13	54	490	< 2	8	4	20	0.47	< 10	< 10	130	< 10	52
RX 223955	205	294	0.11	50	430	< 2	< 2	6	25	0.39	< 10	< 10	130	< 10	54
RX 223956	205	294	0.08	60	430	2	6	18	22	0.49	< 10	< 10	208	10	66
RX 223957	205	294	0.11	17	580	< 2	8	10	12	0.45	< 10	< 10	177	10	54
RX 223958	205	294	0.03	75	720	4	6	30	17	0.27	< 10	< 10	271	< 10	98
RX 223959	205	294	0.02	33	900	14	4	7	12	0.08	< 10	< 10	77	< 10	146
RX 223960	214	229	0.01	5	60	< 2	2	1	8	0.01	< 10	< 10	9	< 10	24
RX 223961	214	229	0.04	24	440	< 2	6	9	20	0.32	< 10	< 10	162	10	68
RX 225545	205	294	0.27	39	420	2	< 2	6	22	0.37	< 10	< 10	129	< 10	50
RX 225546	205	294	0.12	26	600	< 2	6	8	13	0.57	< 10	< 10	163	< 10	64
RX 225547	205	294	0.12	18	440	6	4	9	8	0.33	< 10	< 10	155	10	46
RX 225548	205	294	0.19	54	540	2	6	12	16	0.49	< 10	< 10	191	10	58
RX 225549	205	294	0.16	44	540	2	6	6	13	0.46	< 10	< 10	127	< 10	58
RX 225550	205	294	0.22	47	490	2	8	6	18	0.44	< 10	< 10	138	10	60
RX 225551	205	294	0.01	12	180	2	2	2	6	0.01	< 10	< 10	19	< 10	14
RX 225552	205	294	0.01	24	1080	8	10	3	11	0.02	< 10	< 10	39	< 10	68
RX 225553	205	294	0.10	64	500	< 2	6	4	15	0.44	< 10	< 10	140	< 10	56
RX 225554	205	294	0.09	14	400	< 2	4	7	9	0.33	< 10	< 10	198	< 10	24
RX 225555	205	294	0.01	27	6900	18	20	4	43	< 0.01	< 10	< 10	78	< 10	118
RX 225556	205	294	0.15	22	510	4	6	11	12	0.40	< 10	< 10	163	< 10	58
RX 225557	205	294	0.11	39	480	< 2	4	4	10	0.29	< 10	< 10	95	< 10	46
RX 225558	205	294	0.24	41	470	< 2	< 2	7	20	0.36	< 10	< 10	121	< 10	48
RX 225559	205	294	0.16	43	440	14	2	7	16	0.41	< 10	< 10	145	< 10	66
RX 225560	205	294	0.18	37	350	4	4	7	18	0.31	< 10	< 10	118	< 10	46

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
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British Columbia, Canada V7J 2C1
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To: INCO EXPLORATION AND TECHNICAL SERVICES INC.
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VANCOUVER, BC
V6C 2X8

Project : 60527
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CERTIFICATE OF ANALYSIS A9418443

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
RX 225561	205	294	0.2	4.53	< 2	10	< 0.5	< 2	2.67	< 0.5	19	26	75	4.88	< 10	1	0.07	< 10	1.81	575	< 1
RX 225562	205	294	< 0.2	3.17	< 2	190	0.5	< 2	3.08	< 0.5	8	105	66	2.20	< 10	< 1	0.12	< 10	0.87	655	< 1
RX 225563	205	294	0.2	3.33	< 2	< 10	< 0.5	< 2	2.21	< 0.5	15	16	66	5.04	10	< 1	0.03	< 10	1.46	685	< 1
RX 225564	205	294	< 0.2	4.18	12	20	< 0.5	< 2	2.82	< 0.5	22	23	71	5.65	10	< 1	0.02	< 10	2.01	820	< 1
RX 225565	205	294	< 0.2	3.17	< 2	10	< 0.5	< 2	2.13	< 0.5	17	28	58	4.15	< 10	< 1	0.01	< 10	1.91	610	< 1
RX 225566	205	294	< 0.2	3.85	4	< 10	< 0.5	< 2	2.61	< 0.5	19	21	67	4.51	10	< 1	0.01	< 10	2.01	555	< 1
RX 225567	205	294	0.2	3.47	22	10	< 0.5	< 2	2.41	< 0.5	20	21	72	4.83	10	< 1	0.02	< 10	1.58	630	< 1
RX 225568	205	294	0.2	3.13	10	< 10	< 0.5	< 2	2.19	< 0.5	21	18	72	4.91	10	< 1	0.02	< 10	1.83	640	< 1
RX 225569	205	294	< 0.2	3.55	< 2	60	< 0.5	< 2	2.53	< 0.5	20	23	59	4.63	10	4	0.03	< 10	1.57	535	< 1
RX 225570	205	294	0.2	3.31	< 2	10	< 0.5	< 2	2.11	< 0.5	20	72	66	4.93	10	< 1	0.02	< 10	2.09	565	< 1
RX 225571	205	294	< 0.2	4.15	< 2	20	< 0.5	< 2	3.13	< 0.5	20	25	57	4.93	10	9	0.02	< 10	2.02	745	< 1
RX 225572	205	294	0.2	4.26	4	10	< 0.5	< 2	3.24	< 0.5	17	26	63	5.33	10	< 1	0.01	< 10	1.80	700	< 1
RX 225573	205	294	< 0.2	3.76	< 2	20	< 0.5	< 2	3.33	< 0.5	16	28	67	4.56	10	< 1	0.02	< 10	1.73	725	< 1
RX 225574	205	294	< 0.2	4.19	< 2	10	< 0.5	< 2	2.63	< 0.5	22	18	118	5.05	10	2	0.02	< 10	2.36	740	< 1
RX 225575	205	294	< 0.2	5.55	4	< 10	< 0.5	< 2	6.63	< 0.5	14	89	45	3.89	20	< 1	0.01	< 10	1.37	575	1
RX 225576	205	294	0.2	3.93	< 2	< 10	< 0.5	< 2	1.93	< 0.5	20	10	52	5.97	10	< 1	0.02	< 10	2.47	805	< 1
RX 225577	205	294	0.2	1.32	56	200	< 0.5	2	0.16	< 0.5	12	78	245	3.78	< 10	3	0.30	< 10	0.62	365	5
RX 225578	205	294	0.4	1.03	20	250	< 0.5	2	0.48	< 0.5	11	95	61	2.10	< 10	3	0.30	< 10	0.48	505	< 1
RX 225579	205	294	< 0.2	1.38	6	120	< 0.5	< 2	0.21	< 0.5	8	110	35	3.15	< 10	< 1	0.15	< 10	0.86	460	< 1
RX 225580	205	294	< 0.2	3.28	8	10	< 0.5	< 2	2.19	< 0.5	17	145	41	4.03	< 10	< 1	0.08	< 10	2.09	595	< 1

CERTIFICATION: Jhai D'Mo

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
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To: INCO EXPLORATION AND TECHNICAL SERVICES INC.
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VANCOUVER, BC
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CERTIFICATE OF ANALYSIS A9418443

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
RX 225561	205	294	0.31	43	400	12	< 2	2	30	0.49	< 10	< 10	188	< 10	64
RX 225562	205	294	0.03	17	350	6	< 2	6	20	0.18	< 10	< 10	50	< 10	56
RX 225563	205	294	0.08	22	680	6	< 2	3	12	0.58	< 10	< 10	154	10	76
RX 225564	205	294	0.07	61	610	6	< 2	3	15	0.66	< 10	< 10	186	10	82
RX 225565	205	294	0.25	49	480	2	< 2	4	17	0.41	< 10	< 10	122	< 10	58
RX 225566	205	294	0.09	46	550	4	< 2	3	11	0.43	< 10	< 10	122	10	70
RX 225567	205	294	0.04	43	640	4	< 2	2	12	0.50	< 10	< 10	158	< 10	74
RX 225568	205	294	0.04	56	650	< 2	< 2	2	13	0.49	< 10	< 10	142	< 10	72
RX 225569	205	294	0.12	29	560	2	< 2	4	14	0.43	< 10	< 10	152	< 10	74
RX 225570	205	294	0.11	53	530	< 2	< 2	4	12	0.53	< 10	< 10	140	< 10	70
RX 225571	205	294	0.13	51	630	< 2	< 2	4	14	0.47	< 10	< 10	166	< 10	78
RX 225572	205	294	0.11	26	590	4	< 2	7	12	0.53	< 10	< 10	173	< 10	80
RX 225573	205	294	0.17	40	630	< 2	< 2	5	20	0.43	< 10	< 10	164	< 10	58
RX 225574	205	294	0.14	58	590	6	< 2	3	17	0.53	< 10	< 10	151	< 10	72
RX 225575	205	294	0.21	36	440	2	< 2	4	14	0.38	< 10	< 10	181	< 10	34
RX 225576	205	294	0.09	65	660	2	< 2	4	9	0.70	< 10	< 10	175	< 10	84
RX 225577	205	294	0.01	10	400	2	< 2	2	7	0.03	< 10	< 10	26	< 10	54
RX 225578	205	294	0.01	17	290	8	< 2	2	9	0.07	< 10	< 10	17	< 10	46
RX 225579	205	294	0.02	16	420	4	< 2	3	10	0.05	< 10	< 10	33	< 10	28
RX 225580	205	294	0.21	51	500	2	< 2	5	22	0.58	< 10	< 10	123	< 10	56

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To: INCO EXPLORATION AND TECHNICAL SERVICES INC.
ATTN: SCOTT CASSELMAN
2690 - 666 BURRARD ST.
VANCOUVER, BC
V6C 2X8

A9419472

Comments: ATTN: S. CASSELMAN CC: C. BELL

CERTIFICATE A9419472

INCO EXPLORATION AND TECHNICAL SERVICES INC.

Project: 60527
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 12-JUL-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	4	Geochem ring to approx 150 mesh
274	4	11-15 lb crush and split
229	4	ICP - AQ Digestion charge
* NOTE	1:	

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	4	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	4	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	4	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	4	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	4	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	4	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	4	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	4	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	4	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	4	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	4	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	4	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	4	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	4	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	4	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	4	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	4	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	4	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	4	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	4	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	4	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	4	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	4	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	4	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	4	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	4	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	4	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	4	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	4	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	4	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	4	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	4	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	4	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

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Account :KPJA

CERTIFICATE OF ANALYSIS A9419472

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
RX223962	205	274	< 5	< 0.2	5.74	< 2	20	< 0.5	< 2	5.62	< 0.5	23	117	66	4.59	< 10	< 1	0.02	< 10	2.39	630
RX223963	205	274	< 5	< 0.2	4.47	< 2	10	< 0.5	< 2	3.87	0.5	21	69	59	4.63	< 10	< 1	0.02	< 10	2.30	690
RX223964	205	274	< 5	0.4	4.32	< 2	10	< 0.5	< 2	5.63	0.5	17	85	47	2.99	< 10	< 1	0.01	< 10	1.17	450
RX223965	205	274	< 5	< 0.2	4.30	40	90	< 0.5	< 2	0.59	0.5	44	392	105	6.82	< 10	< 1	0.13	< 10	2.18	1370

CERTIFICATION: Stan Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: INCO EXPLORATION AND TECHNICAL SERVICES INC.
ATTN: SCOTT CASSELMAN
2690 - 666 BURRARD ST.
VANCOUVER, BC
V6C 2X8

Project : 60527
Comments: ATTN: S. CASSELMAN CC: C. BELL

Page Number : 1-B
Total Pages : 1
Certificate Date: 12-JUL-94
Invoice No. : I9419472
P.O. Number :
Account : KPJA

CERTIFICATE OF ANALYSIS A9419472

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
RX223962	205	274	< 1	0.12	60	380	< 2	2	9	13	0.43	10	< 10	142	< 10	66
RX223963	205	274	< 1	0.20	52	500	< 2	< 2	8	20	0.49	< 10	< 10	137	< 10	62
RX223964	205	274	< 1	0.20	30	440	< 2	< 2	8	22	0.38	< 10	< 10	106	< 10	52
RX223965	205	274	< 1	0.01	246	1530	< 2	< 2	28	12	< 0.01	10	< 10	190	< 10	100

CERTIFICATION: Stewart Bichler

ACT LAB

ACTLABS

ACTIVATION LABORATORIES LTD

Invoice No.: 6441
Work Order: 6519
Invoice Date: 15-JUN-94
Date Submitted: 02-JUN-94
Your Reference: 60527
Account Number: 513

INCO-VANCOUVER
INCO EXPLORATION & TECH. SERV. INC. 1050
2690-666 BURRARD STREET
VANCOUVER,BC
V6C 2X8
ATTENTION: PHIL RUSH

CERTIFICATE OF ANALYSIS

INAA package, elements and detection limits:

AU	5.	PPB	AG	5.	PPM	AS	2.	PPM	BA	100.	PPM
BR	1.	PPM	CA	1.	%	CO	5.	PPM	CR	10.	PPM
CS	2.	PPM	FE	0.01	%	HF	0.5	PPM	HG	1.	PPM
IR	5.	PPB	MO	5.	PPM	NA	100.	PPM	NI	50.	PPM
RB	30.	PPM	SB	0.2	PPM	SC	0.1	PPM	SE	5.	PPM
SN	0.01	%	SR	0.05	%	TA	1.	PPM	TH	0.5	PPM
U	0.5	PPM	W	4.	PPM	ZN	50.	PPM	LA	0.5	PPM
CE	3.	PPM	ND	5.	PPM	SM	0.1	PPM	EU	0.2	PPM
TB	0.5	PPM	YB	0.2	PPM	LU	0.05	PPM			

CERTIFIED BY :

per DR. ERIC L. HOFFMAN

Activation Laboratories Ltd. Work Order: 6519 Report: 6441

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 223907	5	<5	<2	140	<1	5	33	240	<2	6.37	2.5	<1	<5	<5	22300	<52	<30	<0.2	33	<5	<0.01	<0.05	<1	<0.5
RX 223909	<5	<5	<2	<100	<1	6	32	240	<2	6.31	2.7	<1	<5	<5	20900	<53	<30	0.4	33	<5	<0.01	<0.05	<1	<0.5
RX 223910	<5	<5	<2	140	<1	5	32	220	<2	5.94	2.1	<1	<5	<5	24300	<51	<30	0.4	30	<5	<0.01	<0.05	1	<0.5
RX 223911	7	<5	<2	<100	<1	5	32	220	<2	6.09	2.2	<1	9	<5	21100	<51	<30	<0.2	32	<5	<0.01	<0.05	<1	<0.5
RX 223914	8	<5	<2	<100	<1	8	33	210	<2	6.40	2.9	<1	11	<5	4310	290	<30	0.2	33	<5	<0.01	<0.05	<1	<0.5

Activation Laboratories Ltd. Work Order: 6519 Report: 6441

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 223907	<0.5	<4	<50	4.0	12	9	3.1	1.3	0.9	2.9	0.44	2.107
RX 223909	<0.5	<4	93	4.0	15	12	3.0	1.2	0.8	2.8	0.43	1.878
RX 223910	<0.5	<4	<50	3.3	9	8	2.4	0.9	<0.5	2.3	0.36	2.126
RX 223911	<0.5	<4	120	3.4	12	9	2.6	1.0	0.7	2.6	0.40	1.982
RX 223914	<0.5	<4	140	7.3	20	13	3.5	1.4	0.9	3.4	0.51	1.982

ACTLABS

ACTIVATION LABORATORIES LTD

RECEIVED JUL 1 1 1994

Invoice No.: 6511
Work Order: 6585
Invoice Date: 04-JUL-94
Date Submitted: 20-JUN-94
Your Reference: 60527
Account Number: 513

INCO-VANCOUVER
NCO EXPLORATION & TECH. SERV. INC. 1050
2690-666 BURRARD STREET
VANCOUVER,BC
6C 2X8
TTENTION: PHIL RUSH

CERTIFICATE OF ANALYSIS

NAA package, elements and detection limits:

AU	5.	PPB	AG	5.	PPM	AS	2.	PPM	BA	100.	PPM
BR	1.	PPM	CA	1.	%	CO	5.	PPM	CR	10.	PPM
CS	2.	PPM	FE	0.01	%	HF	0.5	PPM	HG	1.	PPM
IR	5.	PPB	MO	5.	PPM	NA	100.	PPM	NI	50.	PPM
RB	30.	PPM	SB	0.2	PPM	SC	0.1	PPM	SE	5.	PPM
SN	0.01	%	SR	0.05	%	TA	1.	PPM	TH	0.5	PPM
U	0.5	PPM	W	4.	PPM	ZN	50.	PPM	LA	0.5	PPM
CE	3.	PPM	ND	5.	PPM	SM	0.1	PPM	EU	0.2	PPM
TB	0.5	PPM	YB	0.2	PPM	LU	0.05	PPM			

CERTIFIED BY :

pp DR. ERIC L. HOFFMAN

1336 SANDHILL DRIVE, ANCASTER, ONTARIO, CANADA L9G 4V5 • TEL: 905-648-9611 • FAX: 905-648-9613

Activation Laboratories Ltd. Work Order: 6585 Report: 6511

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 223915	7	<5	<2	180	<1	6	34	230	<2	6.50	2.5	<1	<5	<5	19300	<50	<30	1.6	33	<5	<0.01	<0.05	<1	<0.5
RX 223917	<5	<5	<2	850	<1	3	13	110	3	4.20	4.0	<1	<5	<5	15800	<50	120	0.3	17	<5	<0.01	<0.05	<1	8.8
RX 223923	<5	<5	<2	300	<1	6	38	200	<2	7.46	3.2	<1	<5	<5	22100	150	<30	0.8	37	<5	<0.01	<0.05	<1	0.7
RX 223924	<5	<5	<2	150	<1	7	34	240	<2	7.09	2.6	<1	<5	<5	14100	<50	<30	1.0	35	<5	<0.01	<0.05	<1	<0.5
RX 223930	<5	<5	<2	<100	<1	5	34	190	<2	6.93	2.5	<1	<5	<5	23400	<50	<30	<0.2	32	<5	<0.01	<0.05	<1	<0.5

Activation Laboratories Ltd. Work Order: 6585 Report: 6511

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 223915	<0.5	<4	120	3.6	12	7	3.0	1.1	0.8	3.1	0.44	1.977
RX 223917	1.8	<4	87	30.5	61	25	4.5	1.2	0.7	1.9	0.28	1.968
RX 223923	<0.5	<4	170	4.3	15	10	3.7	1.5	0.8	3.8	0.61	2.286
RX 223924	<0.5	<4	110	3.9	14	8	3.2	1.1	0.8	3.0	0.48	2.230
RX 223930	<0.5	<4	61	3.4	13	9	3.1	1.2	0.8	3.2	0.46	2.139

Act Lab

ACTLABS

ACTIVATION LABORATORIES LTD

Invoice No.: 6538
Work Order: 6607
Invoice Date: 11-JUL-94
Date Submitted: 23-JUN-94
Your Reference: 60527
Account Number: 513

INCO-VANCOUVER
INCO EXPLORATION & TECH. SERV. INC. 1050
2690-666 BURRARD STREET
VANCOUVER,BC
V6C 2X8
ATTENTION: S. CASSELMAN

CERTIFICATE OF ANALYSIS

INAA package, elements and detection limits:

AU	5.	PPB	AG	5.	PPM	AS	2.	PPM	BA	100.	PPM
BR	1.	PPM	CA	1.	%	CO	5.	PPM	CR	10.	PPM
CS	2.	PPM	FE	0.01	%	HF	0.5	PPM	HG	1.	PPM
IR	5.	PPB	MO	5.	PPM	NA	100.	PPM	NI	50.	PPM
RB	30.	PPM	SB	0.2	PPM	SC	0.1	PPM	SE	5.	PPM
SN	0.01	%	SR	0.05	%	TA	1.	PPM	TH	0.5	PPM
U	0.5	PPM	W	4.	PPM	ZN	50.	PPM	LA	0.5	PPM
CE	3.	PPM	ND	5.	PPM	SM	0.1	PPM	EU	0.2	PPM
TB	0.5	PPM	YB	0.2	PPM	LU	0.05	PPM			

CERTIFIED BY :

Dr. Eric L. Hoffman

DR. ERIC L. HOFFMAN

pm

1336 SANDHILL DRIVE, ANCASTER, ONTARIO, CANADA L9G 4V5 • TEL: 905-648-9611 • FAX: 905-648-9613

Activation Laboratories Ltd. Work Order: 6607 Report: 6538

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 223951	<5	<5	<2	<100	<1	8	37	240	<2	7.51	2.7	<1	<5	<5	10800	230	<30	0.4	36	<5	<0.01	<0.05	<1	<0.5
RX 223952	<5	<5	<2	<100	<1	8	32	240	<2	6.32	2.5	<1	<5	<5	22500	<50	<30	<0.2	32	<5	<0.01	<0.05	<1	<0.5
RX 223953	<5	<5	<2	<100	<1	9	37	280	<2	6.49	2.1	<1	<5	<5	3470	160	<30	0.4	33	<5	<0.01	<0.05	<1	<0.5
RX 223954	<5	<5	<2	<100	<1	6	39	230	<2	6.95	2.6	<1	<5	<5	24600	330	<30	1.0	37	<5	<0.01	<0.05	<1	<0.5
RX 223955	<5	<5	<2	<100	<1	6	32	250	<2	5.98	2.2	<1	<5	<5	21500	<50	<30	0.2	33	<5	<0.01	<0.05	<1	<0.5
RX 223960	<5	<5	<2	760	<1	<1	<5	210	<2	1.87	10	<1	<5	5	3480	<50	97	<0.2	3.3	<5	<0.01	<0.05	2	8.3
RX 223961	<5	<5	16	230	<1	5	48	24	<2	6.54	2.8	<1	<5	<5	19700	<50	<30	0.3	41	<5	<0.01	<0.05	<1	0.9

Activation Laboratories Ltd. Work Order: 6607 Report: 6538

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 223951	<0.5	<4	160	3.7	14	10	3.4	1.3	0.9	3.4	0.52	2.259
RX 223952	<0.5	<4	100	4.2	13	9	2.9	1.1	0.7	2.9	0.43	2.260
RX 223953	0.7	<4	150	2.9	10	8	2.5	1.1	0.5	2.7	0.41	2.234
RX 223954	<0.5	<4	180	4.0	12	8	3.1	1.4	0.6	3.0	0.50	2.265
RX 223955	<0.5	<4	110	3.2	10	9	2.6	1.0	0.6	2.7	0.41	2.318
RX 223960	2.3	<4	51	47.8	130	69	13	2.4	3.3	14.0	2.09	1.521
RX 223961	<0.5	<4	170	7.2	21	12	3.2	1.2	0.7	3.2	0.46	1.373

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: INCO EXPLORATION AND TECHNICAL SERVICES INC.
ATTN: SCOTT CASSELMAN
2690 - 666 BURRARD ST.
VANCOUVER, BC
V6C 2X8

A9417174

Comments: ATTN: SCOTT CASSELMAN

CERTIFICATE A9417174

INCO EXPLORATION AND TECHNICAL SERVICES INC.

Project: 60527
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 3-JUN-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	1	Dry, sieve to -80 mesh
202	1	save reject
229	1	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
2118	1	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	1	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	1	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	1	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	1	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	1	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	1	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	1	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	1	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	1	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	1	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	1	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	1	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	1	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	1	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	1	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	1	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	1	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	1	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	1	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	1	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	1	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	1	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	1	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	1	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	1	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	1	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	1	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	1	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	1	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	1	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	1	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: INCO EXPLORATION AND TECHNICAL SERVICES INC.
ATTN: SCOTT CASSELMAN
2690 - 666 BURRARD ST.
VANCOUVER, BC
V6C 2X8

Project : 60527
Comments: ATTN: SCOTT CASSELMAN

Page Number : 1-A
Total Pages : 1
Certificate Date: 03-JUN-94
Invoice No. : I9417174
P.O. Number :
Account : KPJA

CERTIFICATE OF ANALYSIS A9417174

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
SX2111315	201	202	0.2	1.76	4	60	< 0.5	2	1.41	1.0	9	40	73	2.13	< 10	< 1	0.03	< 10	0.67	505	1

CERTIFICATION: Jhai D'Ma

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: INCO EXPLORATION AND TECHNICAL SERVICES INC.
ATTN: SCOTT CASSELMAN
2690 - 666 BURRARD ST.
VANCOUVER, BC
V6C 2X8

Project : 60527
Comments: ATTN: SCOTT CASSELMAN

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Total Pages : 1
Certificate Date: 03-JUN-94
Invoice No. : I9417174
P.O. Number :
Account : KPJA

CERTIFICATE OF ANALYSIS A9417174

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
SX2111315	201	202	0.02	27	380	2	4	< 1	20	0.23	< 10	< 10	74	< 10	42

CERTIFICATION: Thai D Ma

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: INCO EXPLORATION AND TECHNICAL SERVICES INC.
ATTN: SCOTT CASSELMAN
2690 - 666 BURRARD ST.
VANCOUVER, BC
V6C 2X8

A9417586

Comments: ATTN: SCOTT CASSELMAN

CERTIFICATE A9417586

INCO EXPLORATION AND TECHNICAL SERVICES INC.

Project: 60527
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 29-JUN-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	4	Dry, sieve to -80 mesh
203	3	Dry, sieve to -35 mesh
205	3	Geochem ring to approx 150 mesh
229	7	ICP - AQ Digestion charge
* NOTE	1:	

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	7	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	7	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	7	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	7	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	7	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	7	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	7	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	7	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	7	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	7	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	7	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	7	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	7	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	7	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	7	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	7	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	7	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	7	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	7	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	7	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	7	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	7	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	7	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	7	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	7	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	7	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	7	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	7	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	7	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	7	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	7	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	7	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	7	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: INCO EXPLORATION AND TECHNICAL SERVICES INC.
ATTN: SCOTT CASSELMAN
2690 - 666 BURRARD ST.
VANCOUVER, BC
V6C 2X8

Project : 60527
Comments: ATTN: SCOTT CASSELMAN

Page Number : 1-A
Total Pages : 1
Certificate Date: 15-JUN-94
Invoice No. : 19417586
P.O. Number :
Account : KPJA

** Corrected Copy

CERTIFICATE OF ANALYSIS A9417586

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
SX 211316	201	229	< 5	< 0.2	2.12	22	90	< 0.5	< 2	1.19	< 0.5	14	78	35	2.97	< 10	< 1	0.10	20	1.03	770
SX 211317	203	205	< 5	< 0.2	2.20	< 2	50	< 0.5	< 2	1.02	< 0.5	15	101	31	3.25	< 10	< 1	0.05	10	1.31	585
SX 214901	203	205	< 5	< 0.2	2.17	4	70	< 0.5	< 2	1.08	< 0.5	14	100	26	2.90	< 10	< 1	0.03	10	1.12	490
SX 214902	201	229	< 5	< 0.2	2.87	6	100	< 0.5	< 2	1.53	< 0.5	21	91	49	4.59	< 10	< 1	0.03	10	1.77	1325
SX 214903	201	229	< 5	< 0.2	2.98	< 2	100	< 0.5	< 2	1.71	< 0.5	23	97	39	4.75	< 10	< 1	0.04	10	1.83	1785
SX 214904	203	205	< 5	< 0.2	2.16	8	60	< 0.5	< 2	1.17	< 0.5	13	92	24	3.04	< 10	< 1	0.03	10	1.18	565
SX 214905	201	229	< 5	< 0.2	2.91	12	70	< 0.5	< 2	1.77	< 0.5	22	82	38	4.34	< 10	< 1	0.04	10	1.67	995

CERTIFICATION:

** Corrected sample description suffix

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: INCO EXPLORATION AND TECHNICAL SERVICES INC.
ATTN: SCOTT CASSELMAN
2690 - 666 BURRARD ST.
VANCOUVER, BC
V6C 2X8

Project : 60527
Comments: ATTN: SCOTT CASSELMAN

Page Number : 1-B
Total Pages : 1
Certificate Date: 15-JUN-94
Invoice No. : I9417586
P.O. Number :
Account : KPJA

** Corrected Copy

CERTIFICATE OF ANALYSIS A9417586

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
SX 211316	201	229	< 1	0.06	35	540	< 2	< 2	8	31	0.24	< 10	< 10	77	< 10	34
SX 211317	203	205	< 1	0.06	35	440	< 2	< 2	8	22	0.34	< 10	< 10	90	< 10	44
SX 214901	203	205	< 1	0.04	34	310	< 2	2	7	21	0.35	< 10	< 10	86	< 10	50
SX 214902	201	229	< 1	0.03	54	410	< 2	< 2	10	16	0.38	< 10	< 10	124	10	62
SX 214903	201	229	< 1	0.03	51	610	< 2	< 2	10	16	0.38	< 10	< 10	131	10	66
SX 214904	203	205	< 1	0.04	34	260	< 2	< 2	6	19	0.38	< 10	< 10	91	< 10	46
SX 214905	201	229	< 1	0.06	48	500	< 2	2	10	18	0.42	< 10	< 10	127	10	58

CERTIFICATION: Thai D Ma

** Corrected sample description suffix

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: INCO EXPLORATION AND TECHNICAL SERVICES INC.
ATTN: SCOTT CASSELMAN
2690 - 666 BURRARD ST.
VANCOUVER, BC
V6C 2X8

A9418445

Comments: ATTN: S. CASSELMAN CC: C. BELL

CERTIFICATE A9418445

INCO EXPLORATION AND TECHNICAL SERVICES INC.

Project: 60527
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 26-JUN-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	2	Dry, sieve to -80 mesh
202	4	save reject
203	2	Dry, sieve to -35 mesh
205	2	Geochem ring to approx 150 mesh
229	4	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	4	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	4	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	4	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	4	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	4	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	4	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	4	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	4	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	4	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	4	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	4	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	4	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	4	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	4	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	4	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	4	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	4	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	4	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	4	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	4	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	4	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	4	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	4	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	4	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	4	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	4	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	4	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	4	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	4	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	4	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	4	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	4	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	4	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: INCO EXPLORATION AND TECHNICAL SERVICES INC.
ATTN: SCOTT CASSELMAN
2690 - 666 BURRARD ST.
VANCOUVER, BC
V6C 2X8

Project : 60527
Comments: ATTN: S. CASSELMAN CC: C. BELL

Page Number : 1-A
Total Pages : 1
Certificate Date: 26-JUN-94
Invoice No. : I9418445
P.O. Number :
Account : KPJA

CERTIFICATE OF ANALYSIS A9418445

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
SX 211318	201	202	< 5	< 0.2	2.55	84	230	< 0.5	< 2	1.99	< 0.5	16	65	85	5.08	< 10	< 1	0.06	< 10	0.66	5030
SX 211319	202	203	< 5	< 0.2	2.41	< 2	50	< 0.5	< 2	1.71	< 0.5	14	60	42	3.01	< 10	< 1	0.02	< 10	1.07	740
SX 214906	202	203	< 5	< 0.2	2.73	< 2	60	< 0.5	< 2	1.76	< 0.5	18	79	38	3.83	< 10	< 1	0.02	< 10	1.60	840
SX 214907	201	202	< 5	< 0.2	2.20	4	100	< 0.5	< 2	0.69	< 0.5	14	59	21	2.62	< 10	1	0.11	< 10	0.81	395

CERTIFICATION: Stuart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: INCO EXPLORATION AND TECHNICAL SERVICES INC.
ATTN: SCOTT CASSELMAN
2690 - 666 BURRARD ST.
VANCOUVER, BC
V6C 2X8

Project : 60527
Comments: ATTN: S. CASSELMAN CC: C. BELL

Certificate Date: 26-JUN-94
Invoice No. :I9418445
P.O. Number :
Account :KPJA

CERTIFICATE OF ANALYSIS A9418445

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
SX 211318	201	202	< 1	0.02	39	1270	6	2	13	45	0.11	< 10	< 10	83	< 10	34
SX 211319	202	203	< 1	0.03	32	340	4	< 2	9	19	0.33	< 10	< 10	97	< 10	36
SX 214906	202	203	< 1	0.04	39	580	6	2	8	15	0.39	< 10	< 10	115	< 10	60
SX 214907	201	202	< 1	0.02	30	290	6	4	6	18	0.34	< 10	< 10	67	< 10	54

CERTIFICATION: Jan Bichler

Appendix III

Report on a MAXMIN and Magnetometer Survey - CM Project

By: Clifford E. Candy

INCO EXPLORATION AND TECHNICAL SERVICES INC.

REPORT ON A MAXMIN AND MAGNETOMETER SURVEY CM PROJECT BARRIERE, B.C.

Author:
Clifford E. Candy, P.Geo.

Project No. FGI-215

Oct., 1994

Contents

Illustrations

1.0 Introduction

A program of MaxMin and magnetometer surveying was undertaken for Inco Exploration and Technical Services Inc. on the CM Project near Barriere, B.C. during August of 1994. The coverage consisted of 38 kilometres of magnetometer coverage and 36 kilometres of MaxMin coverage on 34 lines.

2.0 Location and Access

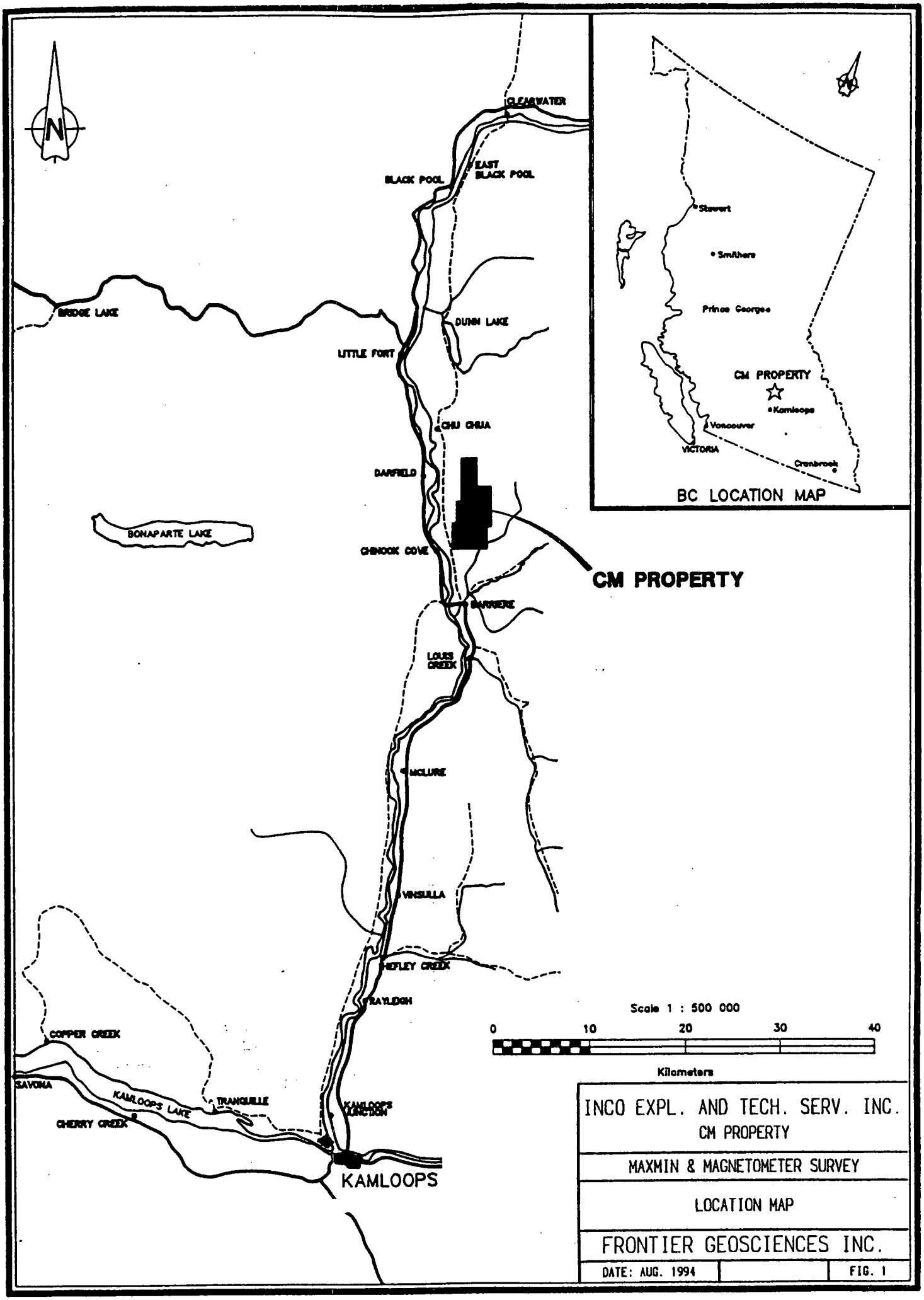
The CM Project claims are situated approximately 11 kilometres north of Barriere, B.C., on the east side of the North Thompson River Valley (Figure 1). The property is located at approximately the 1100 to 1200 metre elevation and access to the claims is by good gravel roads via the Leonie Creek Forestry road. The NTS map index for the site is 92P/1E and 8E.

3.0 Physiography and Vegetation

The property is located in an area of fairly gentle topography with some swampy areas central to the grid. Linecutting on the grid, on 100 metre line centres, had been completed prior to survey commencement. A forest fire burning up the side of Chinook Mt. in the Skowootum Creek drainage delayed mobilization to the site, but did not affect the survey grid.

4.0 MaxMin Electromagnetometer Survey

The electromagnetometer survey utilized an Apex Parametrics MaxMin II horizontal loop EM system and an MMC data logger. The survey was conducted using a 100 metre coil separation with stations at 25 metre intervals and frequencies of 3555, 1777, 444 Hz. The Jack Betz method of slope correction where the slope distance of the cable is used to control coil separation. The transmit and receive coils were maintained coplanar for the readings.


N
CLEARWATER
EAST BLACK POOL
BLACK POOL
BRIDGE LAKE
DUNN LAKE
LITTLE FORT
CHU CHUA
DARFIELD
BONAPARTE LAKE
CHINOOK COVE
CM PROPERTY
BARRIERE
LOUIS CREEK
McLURE
VINSULLA
HEFLEY CREEK
RAYLEIGH
COPPER CREEK
SAVONA
KAMLOOPS LAKE
TRANQUILLE
CHERRY CREEK
KAMLOOPS JUNCTION
KAMLOOPS
Stewart
Smithers
Prince George
CM PROPERTY
Kamloops
Vancouver
VICTORIA
Cranbrook
BC LOCATION MAP
Scale 1 : 500 000
0
10
20
30
40
Kilometers
INCO EXPL. AND TECH. SERV. INC.
CM PROPERTY
MAXMIN & MAGNETOMETER SURVEY
LOCATION MAP
FRONTIER GEOSCIENCES INC.
DATE: AUG. 1994
FIG. 1

5.0 Magnetometer Survey

The magnetometer survey utilized a Scintrex IGS-MP-4 proton precession magnetometer, together with base station to remove diurnal variation. The Magnetics diurnal variation during the survey interval were normal with changes of less than 2 nT per minute typical. Operator precautions of demagnetization and utilization of a common facing direction during readings were employed. The magnetics data was gathered at 12.5 metre intervals.

6.0 Geophysical Results

6.1 General

The magnetics data is plotted in contour form at a scale of 1:5000 on Figure 2. The horizontal loop EM data is plotted in stacked profile form at a scale of 1:5000 on Figures 3 - 5 for each of the frequencies obtained. The lowest frequency (444 Hz) is plotted at an exaggerated vertical scale as compared with the other frequencies, due to its low amplitude character.

6.2 Discussion

The magnetics data in the central to northern area of the grid is generally of relatively low magnetic relief, with variation in the 20-40 nT range. The dominant feature of this area is a broad elliptical low centred on 8800N, 9800E. The MaxMin data shows very little conductor activity in the core of this low. The eastern edge of this low has a weakly defined, although fairly continuous magnetics high at approximately 10400E. As well, the eastern flank shows a well defined series of en echelon conductors, labelled A-D on Fig. 3. The strongest of these is Conductor D which is well represented into the low frequency data. The long strike length character of these conductors may mean that they arise from a formational conductive zone.

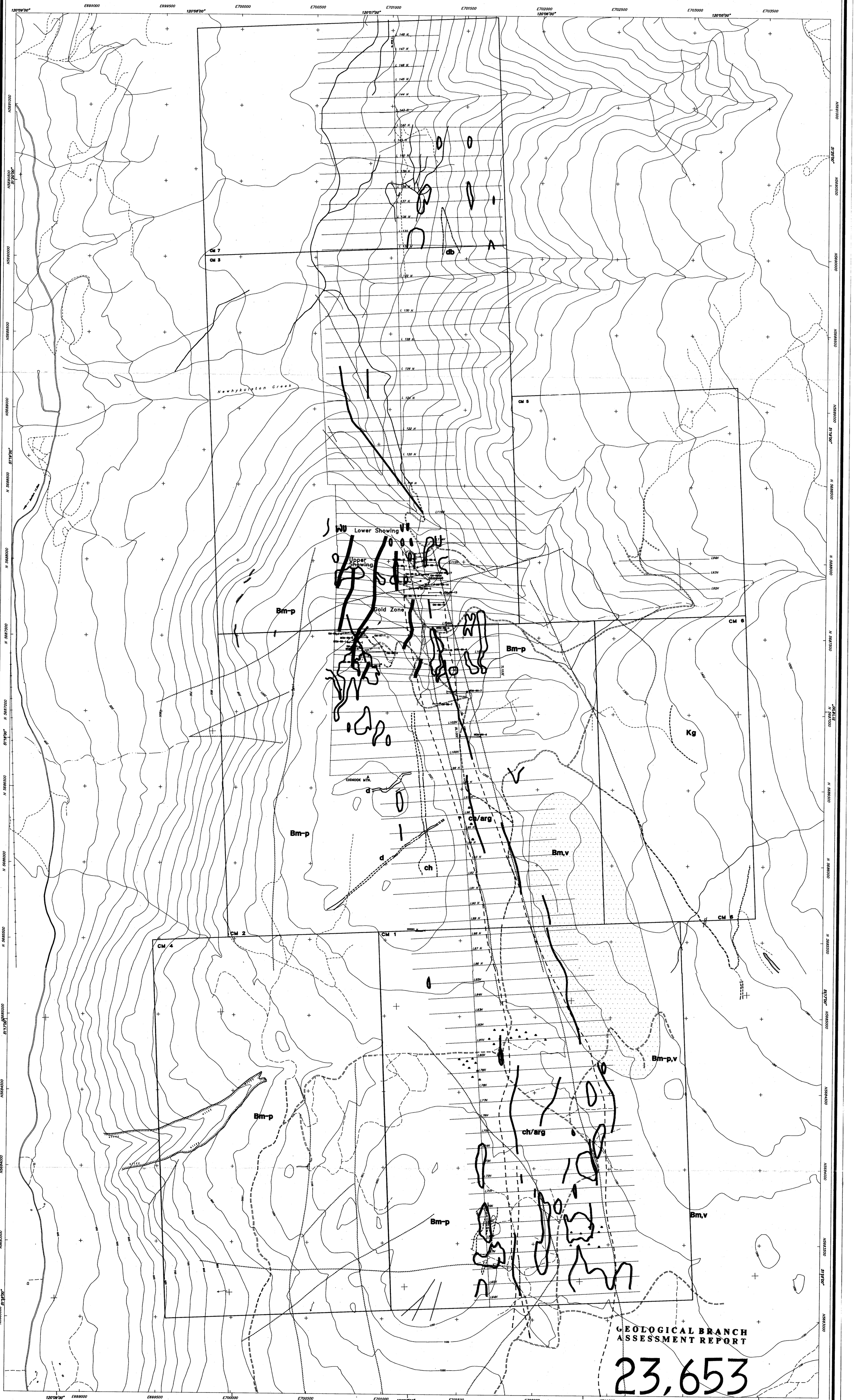
An east-west trending structural break may be located in vicinity of Line 8000N. This line marks the location of offsets between conductors D and E, and between conductors F and G, as well as being related to a change in character in the magnetics data. South of this line the magnetics data shows the presence of a number of irregular magnetic highs.

Correlation between the magnetics and the horizontal loop conductors is seen in some cases in the southern area of the grid. Conductor E is reflected in a magnetics high of similar shape. Similarly, the short strike length conductors J and K are approximately correlated with highs. The weak conductor F is correlated with a shallow dipole like magnetics response.

for Frontier Geosciences Inc.,

Cliff Candy

Clifford E. Candy, P.Geo.



GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,653

LEGEND

CRETACEOUS INTRUSIVE ROCKS

- Kg — BALDY BATHOLITH – GRANODIORITE
- d — DIORITE

DEVONIAN & PERMIAN FENNEL FORMATION

- B — BASALTIC VOLCANIC ROCKS
  - Bm — MASSIVE BASALT
  - Bp — PILLOWED BASALT
  - Bm/p — MASSIVE AND OR PILLOWED BASALT
  - Bv — VARIOLITIC BASALT
- gb — GABBRO
- db — DIABASE

SEDIMENTARY ROCKS

- ch — CHERT
- arg — ARGILLITE

- GEOLOGICAL BOUNDARY (defined, approximate)
- FAULT
- PULSE–EM CONDUCTOR
- MAX–MIN CONDUCTOR
- MAGNETIC HIGH ANOMALIES
- QUARTZ–CALCITE–CHLORITE ALTERATION ZONE

N

Scale 1:10000

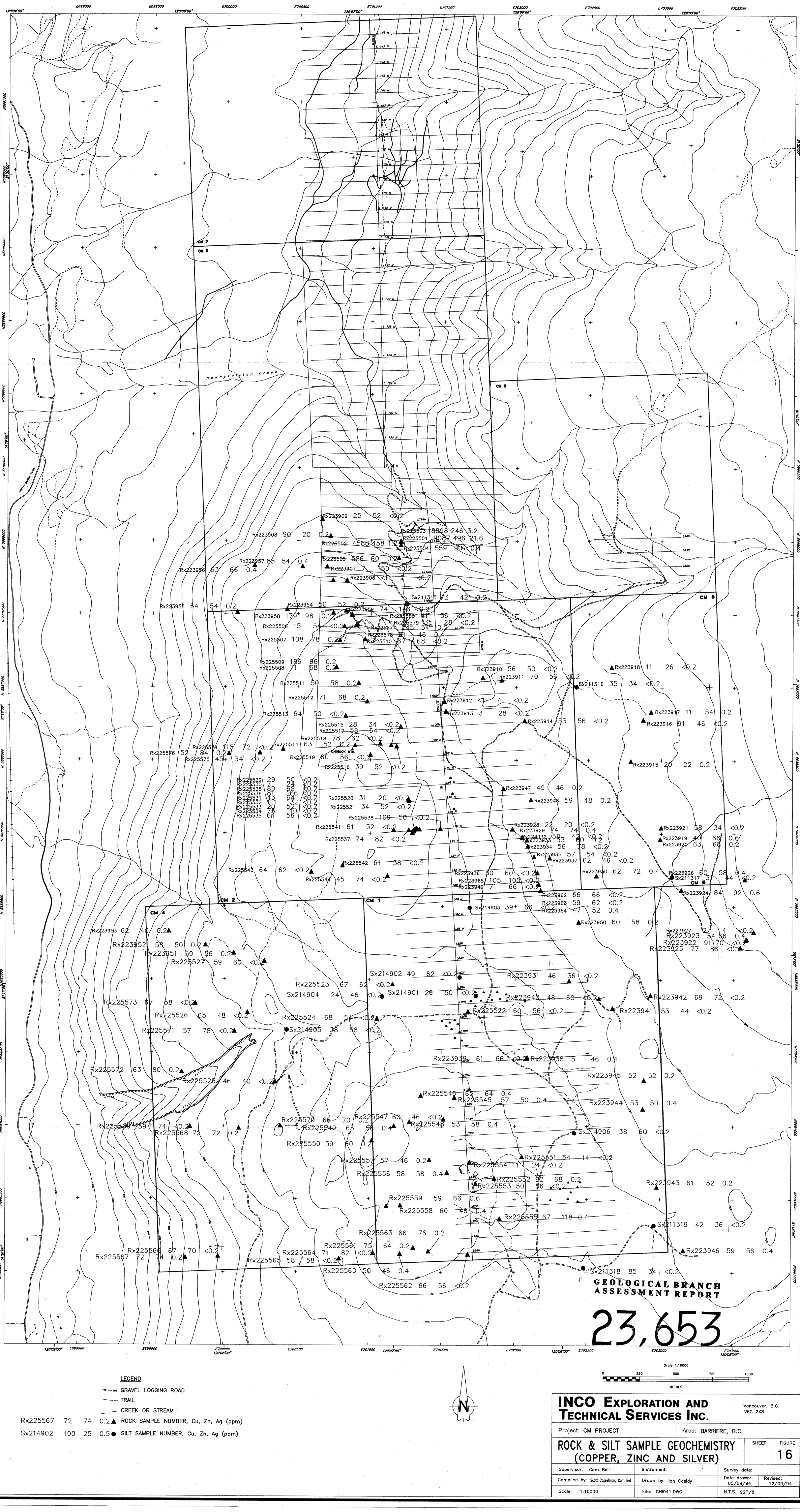
0 250 500 750 1000

METRES

INCO EXPLORATION AND TECHNICAL SERVICES INC.

Vancouver. B.C.
V6C 2X8

Project: CM PROJECT	Area: BARRIERE, B.C.		
COMPILATION MAP		SHEET	FIGURE 17
Supervisor: Cam Bell	Instrument:	Survey date:	
Compiled by: Scott Casselman, Cam Bell	Drawn by: Ian Casidy	Date drawn: 05/09/94	Revised: 12/09/94
Scale: 1:10000	File: CHI041.DWG	N.T.S. 92P/8	



GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,653

LEGEND

- GRAVEL LOGGING ROAD
- TRAIL
- CREEK OR STREAM

Rx225567 72 74 0.2 ▲ ROCK SAMPLE NUMBER, Cu, Zn, Ag (ppm)

Sx214902 100 25 0.5 ● SILT SAMPLE NUMBER, Cu, Zn, Ag (ppm)

Scale 1:10000

0 250 500 750 1000

METRES

N

INCO EXPLORATION AND TECHNICAL SERVICES INC.

Vancouver. B.C.
V6C 2X8

Project: CM PROJECT	Area: BARRIERE, B.C.

ROCK & SILT SAMPLE GEOCHEMISTRY
(COPPER, ZINC AND SILVER)

SHEET

FIGURE 16

Supervisor: Cam Bell	Instrument:	Survey date:
Compiled by: Scott Casselman, Cam Bell	Drawn by: Ian Casidy	Date drawn: 05/09/94 / Revised: 12/09/94
Scale: 1:10000	File: CHI041.DWG	N.T.S. 92P/8

LEGEND

CRETACEOUS INTRUSIVE ROCKS

Kg BALDY BATHOLITH – GRANODIORITE

d DIORITE

DEVONIAN & PERMIAN FENNEL FORMATION

B BASALTIC VOLCANIC ROCKS

Bm MASSIVE BASALT

Bp PILLOWED BASALT

Bm/p MASSIVE AND OR PILLOWED BASALT

Bv VARIOLITIC BASALT

gb GABBRO

db DIABASE

SEDIMENTARY ROCKS

ch CHERT

arg ARGILLITE

GEOLOGICAL BOUNDARY (defined, approximate)

FAULT

BEDDING MEASUREMENT

CLEAVAGE

FOLIATION

PILLOW TOPS (known)

BRECCIA

Rx225567 ▲ ROCK SAMPLE LOCATION AND NUMBER

S61002, C060902 STRUCTURAL MEASUREMENT LOCATION

Sx214902 ● SILT SAMPLE LOCATION AND NUMBER

GLACIAL STRIAE

OUTCROP

x SMALL OUTCROP LOCATION

GRAVEL LOGGING ROAD

TRAIL

LOGGED AREA

CREEK OR STREAM

chl chloritized

si silicified

qtz quartz

ca calcite

bx breccia

dol dolomitization

SHEET 1

SHEET 2

SHEET 3

23,653

GEOLOGICAL BRANCH
ASSESSMENT REPORT

Scale 1:5000

0 100 200 300 400 500

METRES

INCO EXPLORATION AND TECHNICAL SERVICES INC.

Vancouver, B.C.
V6C 2X8

Project: CM PROJECT | Area: BARRIERE, B.C.

GEOLOGY MAP

SHEET 3/3 FIGURE 15

Supervisor: Cam Bell	Instrument:	Survey date:
Compiled by: Scott Casselman, Cam Bell	Drawn by: Ian Casidy	Date drawn: 05/09/94 Revised: 11/28/94
Scale: 1:5000	File: CHI032.DWG	N.T.S. 92P/8

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,653

LEGEND

CRETACEOUS INTRUSIVE ROCKS

- Kg BALDY BATHOLITH – GRANODIORITE
- d DIORITE

DEVONIAN & PERMIAN FENNEL FORMATION

- B BASALTIC VOLCANIC ROCKS
  - Bm MASSIVE BASALT
  - Bp PILLOWED BASALT
  - Bm/p MASSIVE AND OR PILLOWED BASALT
  - Bv VARIOLITIC BASALT
- gb GABBRO
- db DIABASE

SEDIMENTARY ROCKS

- ch CHERT
- arg ARGILLITE

SYMBOLS

- GEOLOGICAL BOUNDARY (defined, approximate)
- FAULT
- BEDDING MEASUREMENT
- CLEAVAGE
- FOLIATION
- PILLOW TOPS (known)
- BRECCIA
- Rx225567 ▲ ROCK SAMPLE LOCATION AND NUMBER
- S61002, C060902 STRUCTURAL MEASUREMENT LOCATION
- Sx214902 ● SILT SAMPLE LOCATION AND NUMBER
- GLACIAL STRIAE
- MCM-89-3 DIAMOND DRILL HOLE
- OUTCROP
- x SMALL OUTCROP LOCATION
- GRAVEL LOGGING ROAD
- TRAIL
- LOGGED AREA
- CREEK OR STREAM
- chl chloritized
- si silicified
- qtz quartz
- ca calcite
- bx breccia
- dol dolomitization

Scale 1:5000

0 100 200 300 400 500 METRES

SHEET 3

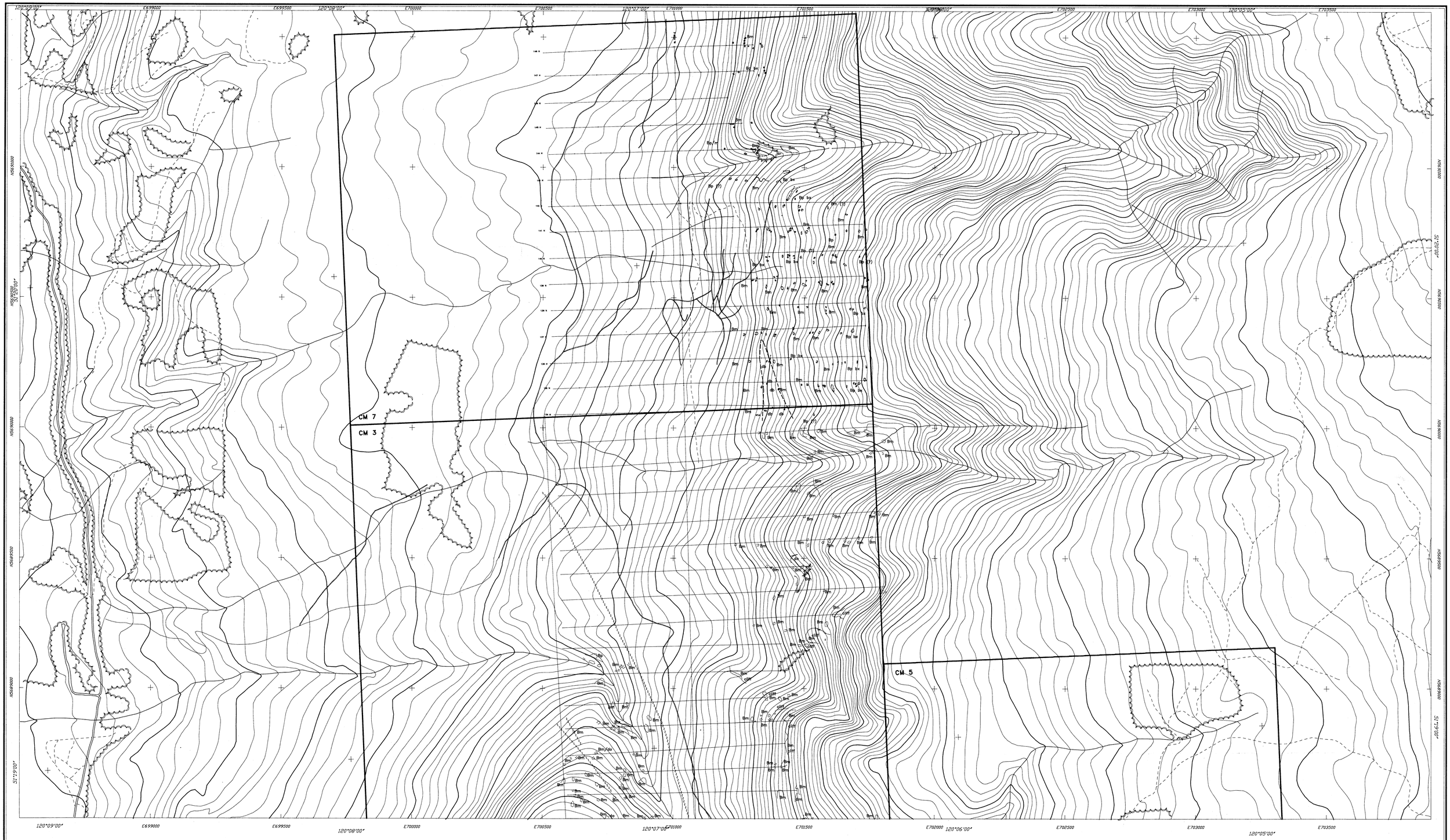
SHEET 2

SHEET 1

INCO EXPLORATION AND TECHNICAL SERVICES INC.

Vancouver, B.C. V6C 2X8

Project: CM PROJECT	Area: BARRIERE, B.C.	
GEOLOGY MAP	SHEET 2/3	FIGURE 14
Supervisor: Cam Bell	Instrument:	Survey date:
Compiled by: Scott Casselman, Cam Bell	Drawn by: Ian Casidy	Date drawn: 05/09/94 — Revised: 11/28/94
Scale: 1:5000	File: CHI038.DWG	N.T.S. 92P/8



LEGEND

CRETACEOUS INTRUSIVE ROCKS

- Kg — BALDY BATHOLITH – GRANODIORITE
- d — DIORITE

DEVONIAN & PERMIAN FENNEL FORMATION

- B — BASALTIC VOLCANIC ROCKS
- Bm — MASSIVE BASALT
- Bp — PILLOWED BASALT
- Bm/p — MASSIVE AND OR PILLOWED BASALT
- Bv — VARIOLITIC BASALT
- gb — GABBRO
- db — DIABASE

SEDIMENTARY ROCKS

- ch — CHERT
- arg — ARGILLITE

SYMBOLS

- GEOLOGICAL BOUNDARY (defined, approximate)
- FAULT
- BEDDING MEASUREMENT
- CLEAVAGE
- FOLIATION
- PILLOW TOPS (known)
- BRECCIA
- Rx825567 ▲ — ROCK SAMPLE LOCATION AND NUMBER
- S6100Z, C060902 — STRUCTURAL MEASUREMENT LOCATION
- Sx814902 ● — SILT SAMPLE LOCATION AND NUMBER
- GLACIAL STRIAE
- MCM-89-3 — DIAMOND DRILL HOLE

SYMBOLS

- OUTCROP
- x — SMALL OUTCROP LOCATION
- GRAVEL LOGGING ROAD
- TRAIL
- LOGGED AREA
- CREEK OR STREAM
- chl — chloritized
- si — silicified
- qtz — quartz
- ca — calcite
- bx — breccia
- dol — dolomitization

N

SHEET 1
SHEET 2
SHEET 3

23,653

GEOLOGICAL BRANCH
ASSESSMENT REPORT

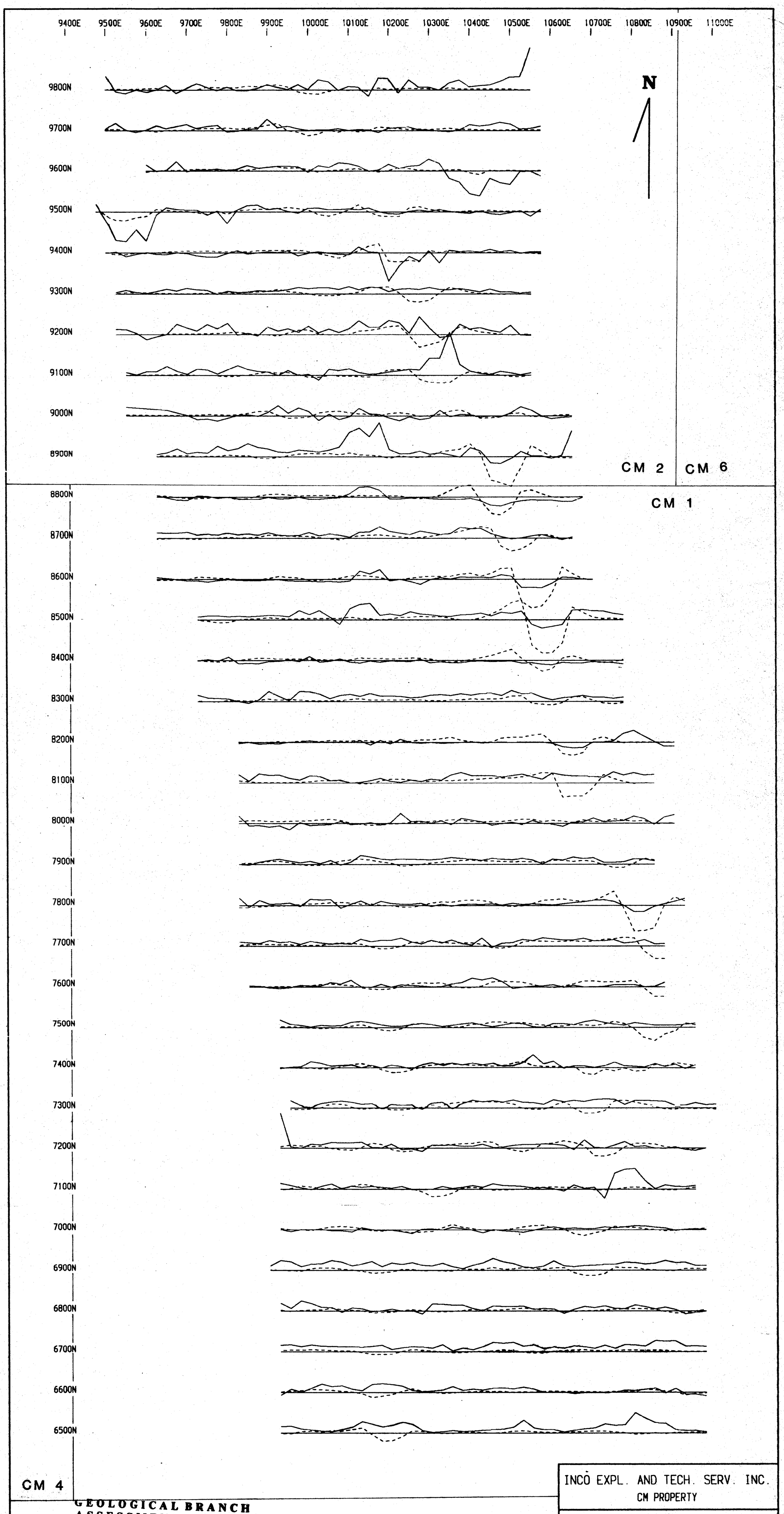
Scale 1:5000
0 100 200 300 400 500
METRES

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

Project: CM PROPERTY | Area: Barriere, B.C.

NORTH SHEET GEOLOGY MAP | SHEET 1/3 | FIGURE 13

Supervisor: Cam Bell	Instrument:	Survey date:	
Compiled by: Scott Casselman	Drawn by: S CASSELMAN, I CASEY	Date drawn: 05/08/94	Revised: 12/08/94
Scale: 1:5000	File: CMI040.DWG	N.T.S. 92P/8E	

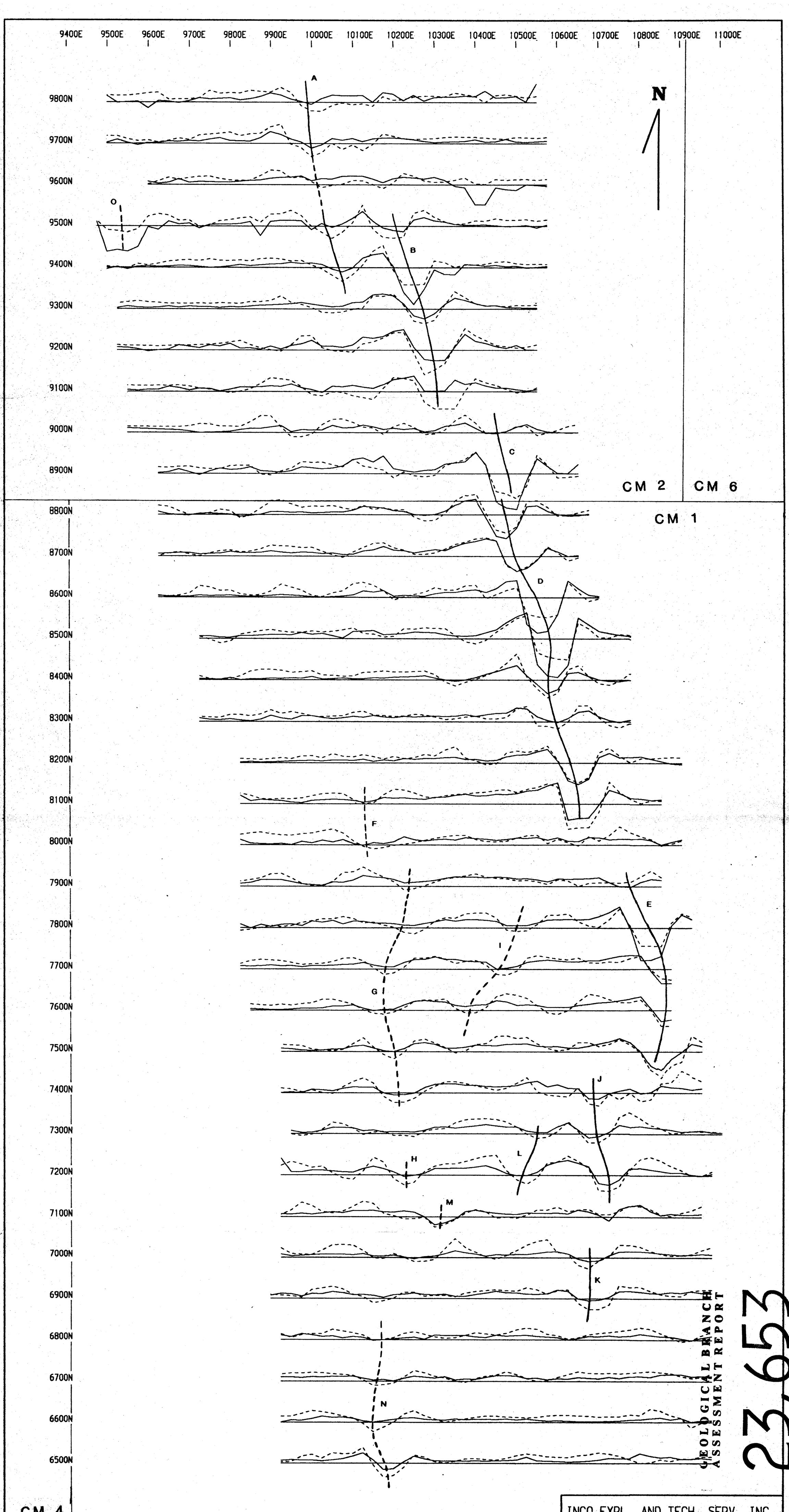


GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,653

NOTES:
INPHASE: ——
QUADRATURE: — — —
VERTICAL SCALE: 1 cm = 10 %
HORIZONTAL SCALE: 1:5000 m
INSTRUMENT: APEX PARAMETRICS MAXMIN II

INCO EXPL. AND TECH. SERV. INC.
CM PROPERTY
MAXMIN SURVEY
STACKED PROFILES (444 HZ)
FRONTIER GEOSCIENCES INC.
DATE: AUG. 1994 | FIG. 5



NOTES:
INPHASE: ——
QUADRATURE: — — —
VERTICAL SCALE: 1 cm = 25 %
HORIZONTAL SCALE: 1:5000 m
INSTRUMENT: APEX PARAMETRICS MAXMIN II

INCO EXPL. AND TECH. SERV. INC.
CM PROPERTY
MAXMIN SURVEY
STACKED PROFILES (3555 HZ)
FRONTIER GEOSCIENCES INC.
DATE: AUG. 1994 | FIG. 3

GEOLOGICAL BRANCH
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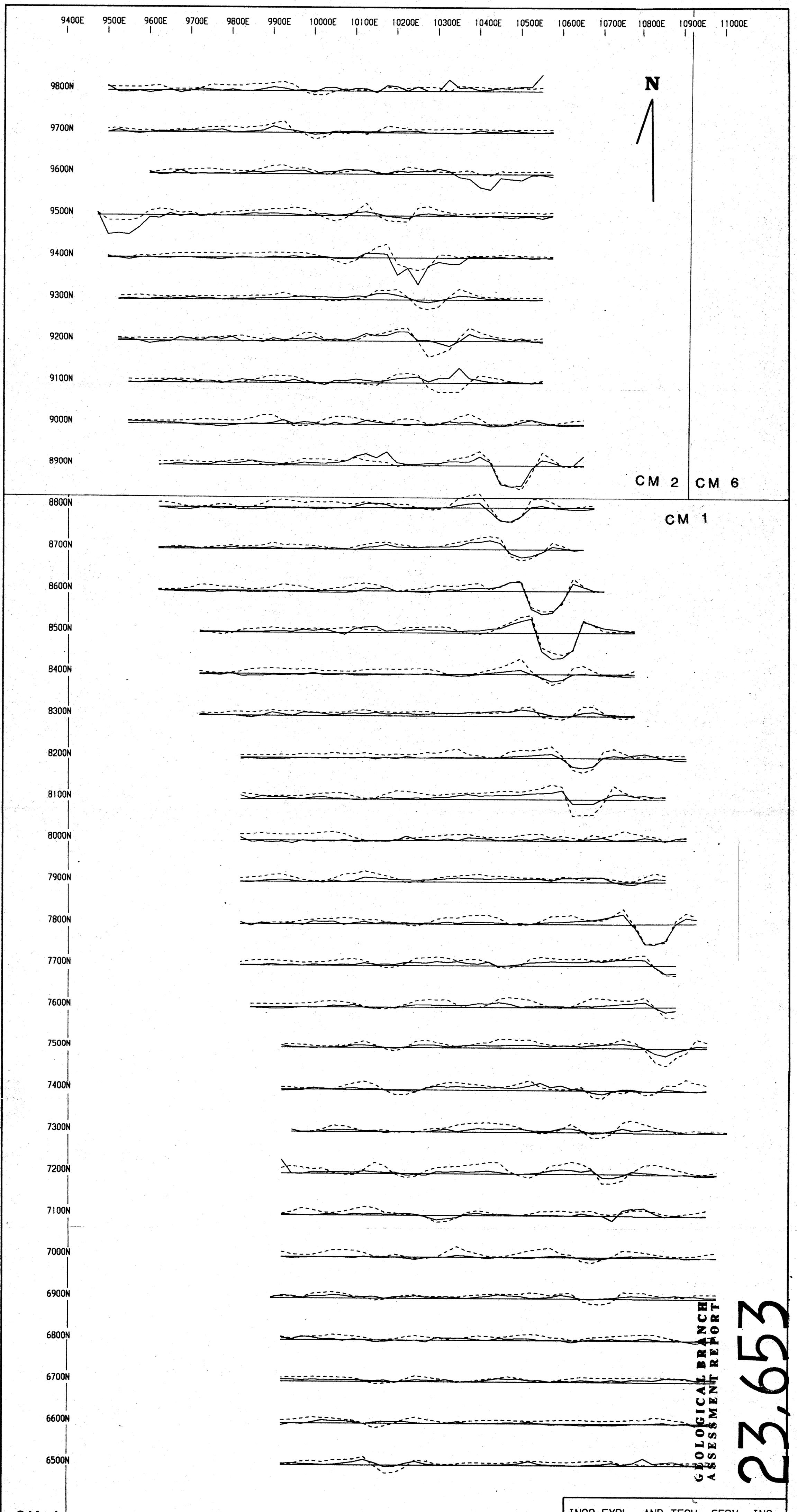
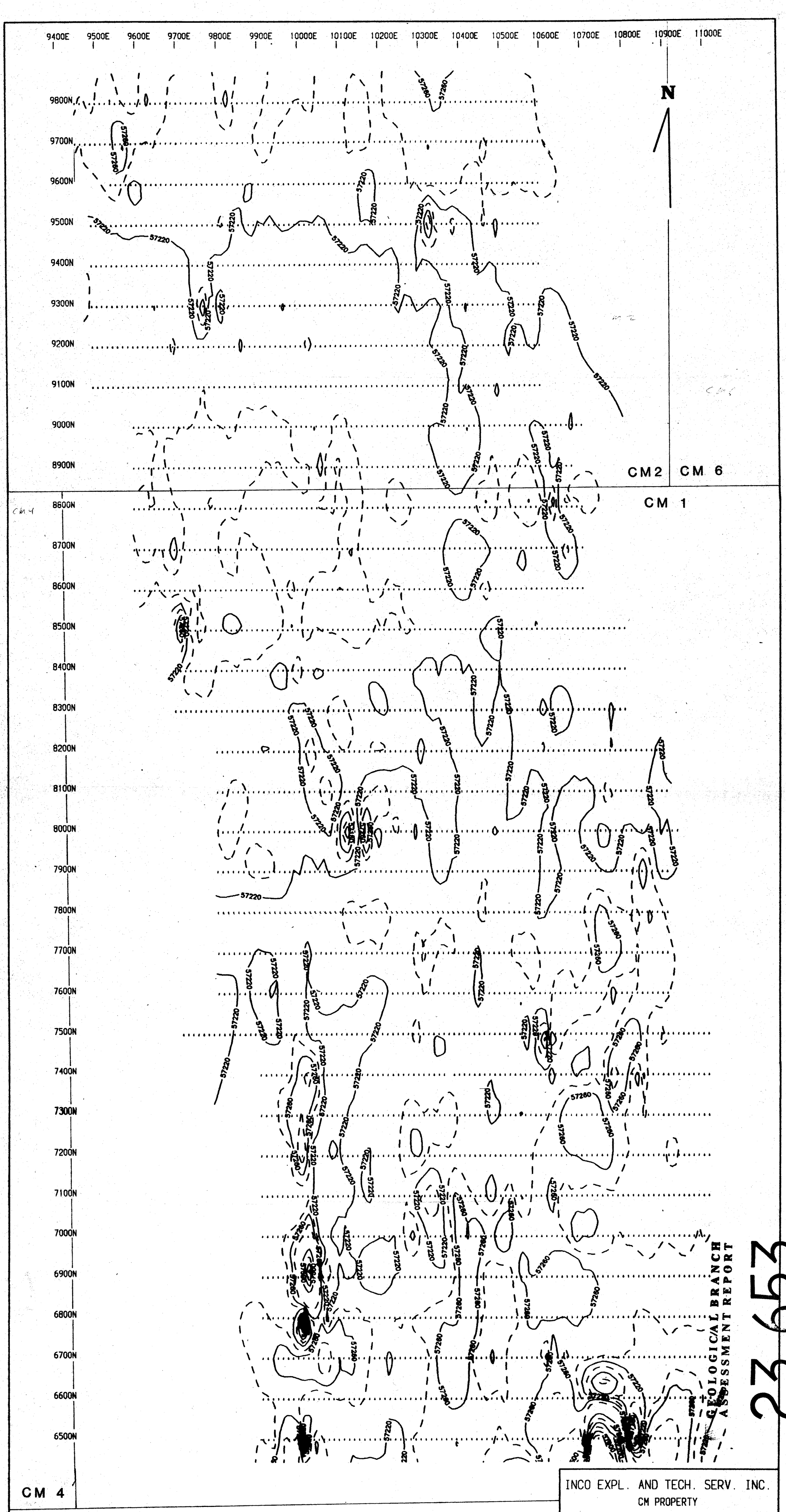


NOTES:
INPHASE: ——
QUADRATURE: — — —
VERTICAL SCALE: 1 cm = 25 %
HORIZONTAL SCALE: 1:5000 m
INSTRUMENT: APEX PARAMETRICS MAXMIN II

INCO EXPL. AND TECH. SERV. INC.
CM PROPERTY
MAXMIN SURVEY
STACKED PROFILES (1777 HZ)
FRONTIER GEOSCIENCES INC.
DATE: AUG. 1994 — FIG. 4



NOTES:
SCALE: 1:5000 m
INSTRUMENT: SCINTREX IGS-MP-4

INCO EXPL. AND TECH. SERV. INC.
CM PROPERTY

MAGNETOMETER SURVEY

TOTAL FIELD MAGNETICS (nT)

FRONTIER GEOSCIENCES INC.

DATE: AUG. 1994 | FIG. 2

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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