

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORTS

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**1995 DIAMOND DRILLING 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**

**INCO LIMITED
Suite 800, 666 Burrard Street
Vancouver, B.C.
V6C 2X8**

FILMED

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

24,180

**December, 1995
Scott Casselman, P.Geol.**

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.

In 1994, a Maxmin geophysical survey on the southern part of the property identified a number of north-northwest trending conductors. These conductors occur in an area of minimal outcrop exposure that is along strike of the Upper and Lower showings and was believed to be underlain predominantly by sedimentary rocks. The 1995 diamond drill program was designed to test a number of these conductors. The program consisted of 1180.7 metres of drilling in 7 holes. The conductors along the eastern side of the geophysical grid were found to be a result of graphitic mudstone. The conductors along the western side of the grid were caused by weakly bedded and fracture controlled pyrite mineralization in mixed chert/siltstone/basalt. No significant base metals mineralization was encountered.

The drill program identified a large (up to 100 metre wide) gabbro sill cutting through the sedimentary horizon occupying approximately 50% of the area of poor outcrop exposure. The sedimentary rocks along the margins of the sill are quite fractured and altered to silica and clay, and locally are quite graphitic.

No further work is recommended for the property.

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Appendix I	Diamond Drill Logs
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1.0 Introduction

1.1 General

This report documents the 1995 diamond drill program on the CM property. The objective of the program was to test electromagnetic conductors identified in the south-central portion of the property by the 1994 geophysical survey. A total of 1180.7 metres in 7 holes was completed from April 19 to May 25 by Beaupre Diamond Drilling of Princeton, B.C. Drilling was slow and complicated by poor ground conditions.

1.2 Location and Access

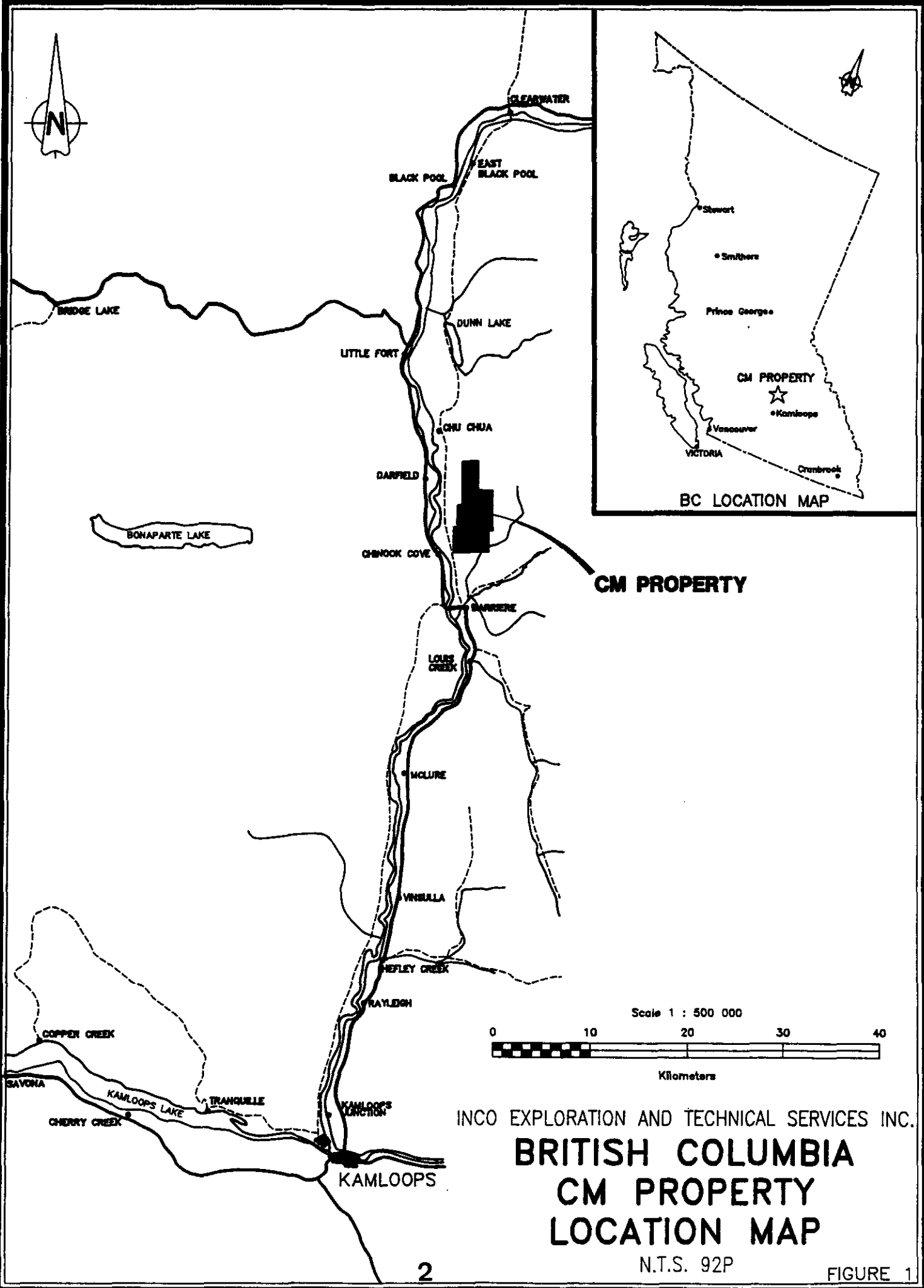
The CM property is located 12 kilometres north of the community of Barriere, B.C., or roughly 70 kilometers north of Kamloops (Figure 1). The claims are on the east side of the Thompson River on NTS map sheet 92P/8E, and are centred at latitude $51^{\circ} 18'$ North, longitude $120^{\circ} 07'$ West.

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 kilometers northeast of Barriere via the Barriere Lakes road. From the turn-off, the property is approximately 7.5 kilometers 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 conditions, 4X4 vehicles are recommended.

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, one 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.



INCO EXPLORATION AND TECHNICAL SERVICES INC.
BRITISH COLUMBIA
CM PROPERTY
LOCATION MAP

N.T.S. 92P

FIGURE 1

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.

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.

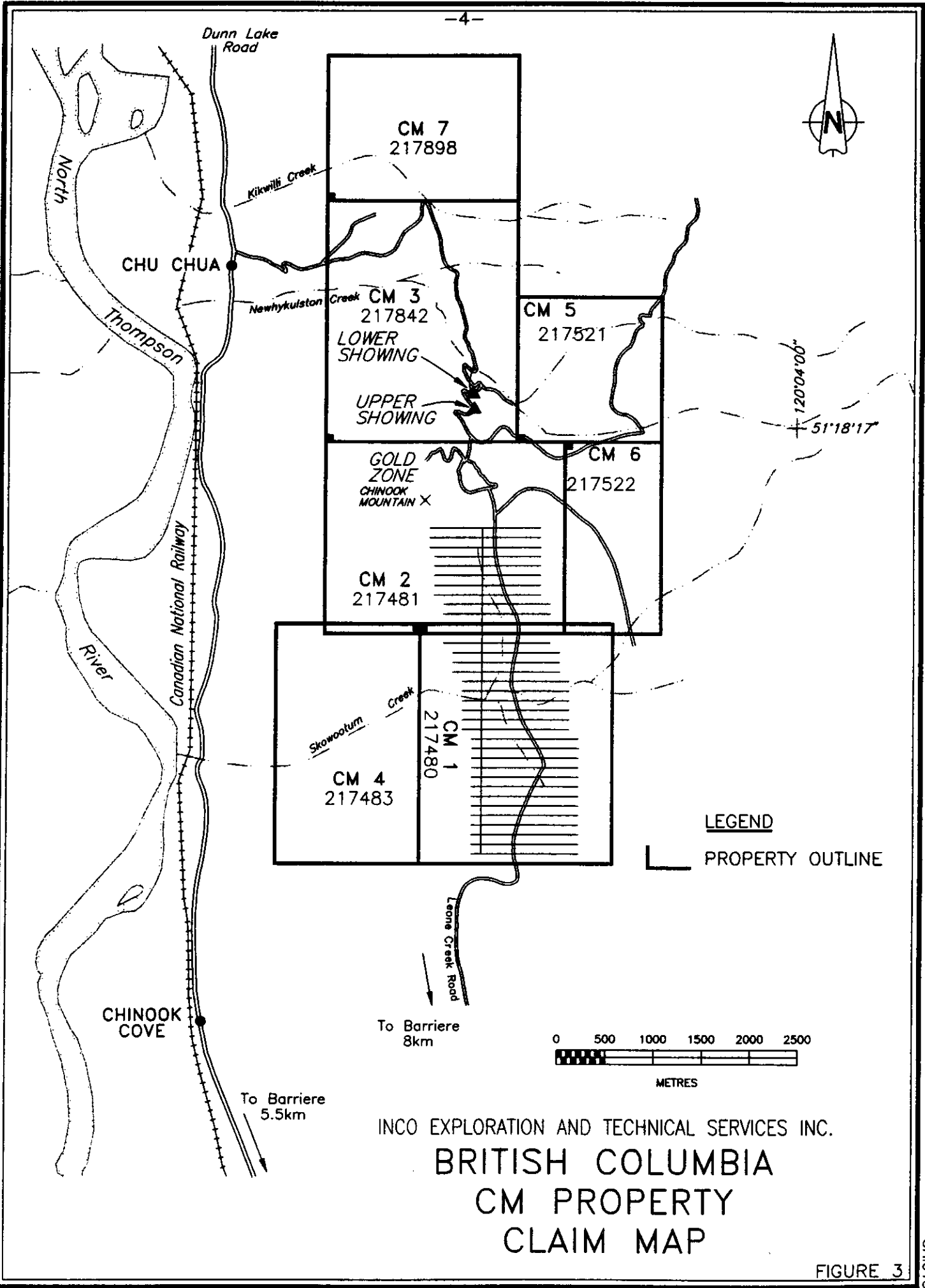
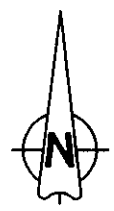
NAME	TENURE #	# OF UNITS	RECORD DATE day/mo/yr	EXPIRY DATE * day/mo/yr
CM 1	217480	20	13/09/85	13/09/97
CM 2	217481	20	13/09/85	13/09/97
CM 3	217482	20	13/09/85	13/09/97
CM 4	217483	15	13/09/85	13/09/97
CM 5	217521	9	30/12/85	30/12/97
CM 6	217522	8	30/12/85	30/12/97
CM 7	217898	12	03/11/87	03/11/97

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

The claims are owned by Inco Limited of Vancouver, B.C.

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 VMS deposit. The ground covered by the CM 1 to 7 claims has been explored by numerous companies since the initial discovery. Table 2 outlines some of the more recent programs performed on the CM 1 to 7 claims:



INCO EXPLORATION AND TECHNICAL SERVICES INC.
 BRITISH COLUMBIA
 CM PROPERTY
 CLAIM MAP

FIGURE 3

Table 2. CM Property Historical Work Programs.

YEAR	COMPANY	WORK PERFORMED
1979	Noranda Exploration Company Limited	- 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(magnetometer and EM); part of which covered the CM claims
1985 and 1986	BP Resources Canada Ltd.	- established 4 small grids (22.3 line-km) - Maxmin (444 and 1777 Hz) and magnetic surveys
1987	BP Resources Canada Ltd.	- expanded grids by 7.3 line-km - 6.6 line-km of Maxmin (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 Maxmin (444 and 1777 Hz) - extended soil geochem grid 200 m west, collected 150 samples (30 ele-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 Maxmin (444 and 1777 Hz) and magnetic surveys - minor trenching and 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 west of Gold Zone - HLEM (2.4 line-km) and Pulse EM (7.72 line-km) 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
1994	Inco Exploration and Technical Services Inc.	- geological mapping and lithogeochemical sampling (140 rocks for ICP-32, whole rock and INAA analysis) - 37.4 km of line-cutting - 38 line km of Maxmin and magnetometer surveys

1.6 1995 Work Program

The 1995 exploration program on the CM property was consisted of 1180.7 metres of diamond drilling in 7 holes. Drill core was logged and sampled at fairly regular intervals, all data was entered into a computer database. A total of 134 samples were collected for geochemical analysis. Upon completion of the drilling, all access trails and drill sites were re-contoured, scarified and reclaimed by planting trees.

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 Devon-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 Devon-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-porphry 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.

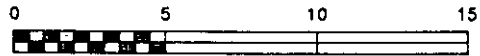
The Fennel Formation and Eagle Bay Assemblage are intruded by mid-Cretaceous granodiorite and quartz-monzonite of the Raft and Baldy batholiths. The package is locally overlain by Eocene Kamloops Group volcanic and sedimentary rocks and Miocene lavas.

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

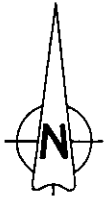
INCO EXPLORATION AND TECHNICAL SERVICES INC.
BRITISH COLUMBIA
CM PROPERTY
REGIONAL GEOLOGY MAP

N.T.S. 92P

Scale 1 : 250 000



Kilometers



EAST BLACK POOL
 BLACK POOL

CLEARWATER

FENNEL
 FORMATION
 (UPPER
 STRUCTURAL
 DIVISION)

LOWER
 STRUCTURAL
 DIVISION

EAGLE
 BAY
 ASSEMBLAGE

NORTH

DUNN
 LAKE

BALDY
 BATHOLITH

LITTLE
 FORT

CHU CHUA
 DEPOSIT

BIRK CREEK
 DEPOSIT

THOMPSON

CHU CHUA

NORTH
 BARRIERE
 LAKE

DARFIELD

RIVER

EAST
 BARRIERE
 LAKE

CHINOOK COVE

EAGLE
 BAY
 ASSEMBLAGE

BARRIERE

JOHNSON
 LAKE

SAMATOSUM
 MINE

LOUIS
 CREEK

HOMESTAKE
 DEPOSIT

ADAMS LAKE

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.

2.2 Property Geology

2.2.1 Introduction

In 1994 the central and southern part of the property was mapped at 1:5,000 scale. The northern part of the property had been previously mapped at this detail. The 1994 mapping and geophysical survey extended the sedimentary horizon that hosts the Upper and Lower mineralized showings to the southeast. Geophysical conductors within this volcanopause were the focus of the 1995 drill program. The drill program identified a large, continuous gabbro sill, up to 100 metres thick, which is roughly bedding parallel and runs the length of the property. Lithological units on the property are described below and the central and southern map sheets, with drill hole locations, are included as figures 4 and 5 in the pocket at the back.

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 the regional trend. 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 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.

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 sediment. These rocks lack vesicles and amygdules which may be an indication of deep water origin.

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 discoloration at scattered locations on the property, especially in the Gold Zone. A zone of intense quartz \pm calcite veining with variable chlorite alteration and silicification occurs 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 7900N to 9600N and from 104500E 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 is observed on weathered surfaces as dark grey-green patches within light grey, weakly chloritized rock. Quartz \pm calcite veining is more intense within the 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 and little to no sulphide mineralization was observed.

Gabbro (gb) and diabase (db) intrusive rocks are observed in the eastern and central portion of the property. They are predominantly sills, but a few dykes have been seen to cut the sediments and extrusive volcanic rocks. The intrusive rocks are fairly equigranular, medium to coarse-grained, and generally have a blocky joint pattern. They have a similar chemistry to the extrusive volcanic rocks and thus appear to be synvolcanic and may represent feeders to the overlying flows.

The intrusive rocks are relatively unaltered, exhibiting only minor chilling and clay alteration at their margins. Where they intrude sediments, however, the sedimentary rocks are generally quite altered for up to 15 metres from the contact. The alteration manifests itself from the contact outward as intense silicification to a reduced, graphitic zone to calcite veining. The sedimentary and volcanic rocks are quite fractured at the margins of the sills.

The argillite (arg) units range from 1 metre to greater than 30 metres thick and are quite variable in texture and composition. They gradually grade from silty to a carbonaceous mudstone. They are non-graphitic to highly graphitic, locally siliceous near chert beds, and in places rhythmically laminated with chert in alternating 1 centimetre thick layers. A good exposure of the laminated chert/argillite in a sequence up to 40 metres thick can be seen in the south-central portion of the property. Sediments locally contain 2-3% pyrite as disseminations and blebs.

The focus of the 1995 drill program was a north-south trending topographic low in the centre of the property which is approximately 200 metres wide and on trend of the Upper and Lower showings. There is minimal outcrop exposure through the topographic low but it was believed to be underlain by chert and argillite. The drill program found the area to be underlain by mixed volcanic and sedimentary rocks and was cut by a large, up to 100 metre wide, gabbro sill. Along the margins of the gabbro sill the siltstone is intensely fractured and altered by silica and clay with up to 3% disseminated and fracture filling pyrite.

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.

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.

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.

3.0 Geochemistry

3.1 Introduction

A total of 134 drill core samples were collected and sent for geochemical analysis in 1995. All samples were sent to Chemex Labs Ltd. in Vancouver for crushing, pulverising and analysis. Descriptions of the digestion and analytical procedures are included with the geochemical analytical certificates in Appendix II.

3.2 Rock Sample Results

Samples were collected of all of the major rock types in each of the drill holes so the chemistry of the mafic volcanic and intrusive rocks in drill core could be compared to that from surface sampling in 1993 and 1994. As well, samples were collected of significant sulphide mineralization.

The whole rock geochemical results in Appendix II show chemistry of the intrusive and extrusive volcanic rocks is that of a low potassium ocean floor tholeiite. Both the intrusive and extrusive

rocks are relatively unaltered in all drill holes, with the exception of the basalt at the top of hole 87031, which is from the alteration zone. As expected from the visual observation of calcite veining and silicification in the alteration zone, these rocks are calcium and silica enriched. They are also weakly potassium and magnesium enriched and sodium depleted, as noted in 1994 from surface sample results.

Samples collected of sulphide-mineralized portions of the drill core returned a few weakly anomalous values in copper (up to 1525 ppm Cu), zinc (up to 5630 ppm Zn) and one gold value of 1120 ppb. These values are from siliceous siltstone/mudstone with up to 5% disseminated and fracture filling sulphides from intervals up to 1 metre wide. These values are consistent with the sulphide concentrations observe in the drill core and are considered insignificant.

4.0 Diamond Drilling

4.1 Introduction

Beupre Diamond Drilling of Princeton, BC mobilised the drill onto the property on April 19. The drill was a Longyear 38 and initially drill core was NQ-sized. When difficulties were encountered in reaching the target depth in the first hole (DDH # 87028) due to intensely fractured ground conditions the core size for the subsequent holes was increased to HQ. Difficult ground conditions were encountered in most holes as the sedimentary rocks along the contact with the gabbro sill are extremely fractured and blocky. Because of the difficult ground conditions, the program, which was expected to take two to three weeks, took five weeks to complete. Acid dip tests were taken at approximate 100 metre intervals down-hole to determine changes in hole angle. The holes did not deviate significantly. Drill hole technical data is as follows:

Table 3. 1995 Drill Hole Technical Data

DDH #	NORTHING (m)	EASTING (m)	ELEVATION (m)	AZIMU TH	DIP	DEPTH (m)
87028	78+00	107+00	1160	90	-50	183.8
87029	89+00	103+30	1190	90	-50	211.8
87030	89+00	105+90	1225	270	-50	22.0
87031	89+20	106+60	1240	270	-50	279.8
87032	72+92	106+35	1130	268	-48	205.7
87033	72+92	106+20	1130	90	-60	148.1
87034	71+93	101+30	1170	90	-50	129.5
TOTAL:						1180.7

4.2 Results

The drill logs from the 1995 program are included in Appendix I. The results of the drill program are listed below:

Table 4. 1995 Drill Program Results.

DDH #	TARGET	RESULTS
87028	Maxmin conductor "E"	graphitic mudstone, 1 to 3% pyrite
87029	Maxmin conductor "C"	graphitic mudstone, 1 to 2% pyrite
87030	Maxmin conductor "C"	hole lost in overburden
87031	Maxmin conductor "C"	graphitic mudstone, 1 to 3% pyrite
87032	Maxmin conductor "L"	silicified siltstone with 3-5% pyrite
87033	Maxmin conductor "J"	graphitic mudstone, 1 to 2% pyrite
87034	Maxmin conductor "H"	faulted, silicified siltstone with up to 10% py/ 1 m.

The drilling failed to encounter any significant base metal sulphide mineralization. The holes drilled on the eastern side of the grid (87028, 87029, 87031 and 87033) encountered graphitic mudstone to explain the eastern Maxmin conductors. A large gabbro sill, which was not indicated by the geophysical surveys, was encountered in these holes. This sill occupied a large portion of the topographic low which was thought to be underlain by sedimentary rocks. Holes 87032 and 87034 were drilled towards the western side of the grid and encountered weakly bedded and fracture filling pyrite mineralization in mixed chert/siltstone/basalt. The pyrite mineralization explains the conductors "L" and "H".

5.0 Reclamation

Upon completion of the program, the area disturbed by the drilling was reclaimed. The reclamation involved stacking the drill core boxes in secured cubes at the site of drill holes 87032 and 87033 and reforesting all access trails and drill sites created in 1995. The sites were recontoured, scarified and lodge pole pine was planted, as recommended by the District of Kamloops Forest Service.

6.0 Conclusions and Recommendations

The 1995 drill program on the CM Property was designed to test a number of Maxmin conductors in the south central portion of the property in an area of limited outcrop exposure. The drilling was complicated by poor ground conditions, however most of the targets were tested. Four of the holes intersected graphitic mudstone to explain the conductors on the east side of the grid. While the other two holes, on the west side of the grid, encountered weakly bedded and fracture controlled pyrite mineralization. The drill program did not encounter any significant base metal mineralization.

The majority of the property has been mapped and sampled in great detail, especially on the east and west sides where exposure is excellent. The central north-south trough is underlain by mixed sediments, volcanics and gabbro and hosts the Upper and Lower showings. This trough has now been drilled at fairly regular intervals and most geophysical conductors through this zone have been tested. There remains very little ground which has not been adequately tested for VMS potential, hence, no further work is recommended for the property.

STATEMENT OF EXPENDITURES

Personnel

S. Casselman (Project Geologist)	50 days @ \$350/day	17,500	
R. Nesbitt (Field Technician)	12 days @ \$350/day	<u>4,200</u>	
		<u>21,700</u>	21,700

Contractors

Diamond Drilling	1181 metres @ \$65/metre		76,765
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Geochemical Charges

Chemex - sample preparation	134 samples @ \$5.00/sample	670	
Chemex - 32 ele ICP analysis	134 samples @ \$7.40/sample	991	
Chemex - Whole Rock analysis	93 samples @ \$23.00/sample	<u>2,139</u>	
		<u>3,800</u>	3,800

Miscellaneous

Room and board	114 man-days @ \$90/man-day	2,700	
Fuel and repairs for vehicle		800	
Flagging, sample bags, mylar, constr. supplies, etc.		1,100	
Reproductions, photocopying, etc.		200	
Vehicle rental		<u>2,300</u>	
		7,100	7,100

TOTAL			<u>\$109,365</u>
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Allocation Declaration

- 1) \$47,700 is to be filed for assessment on the Chinook Group (CM 1, CM 3, CM 5, CM 6 and CM 7 claims)
- 2) \$47,700 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 Limited in 1995.
- 5) I personally supervised the work documented in this report.

Dated this __th day of _____, 1995, at Vancouver, British Columbia

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

REFERENCES

Casselman, Scott, 1994, 1994 Geological, Geophysical and Lithochemical Report on the CM Property, BCMEMPR Assessment Report.

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APPENDIX I

Diamond Drill Logs

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
0.00	13.10	OVERBURDEN	0.00	13.10	NS	-	-	-	-	-
13.10	27.40	BASALT								
		- Believed to be a PILLOWED BASALT due to presence of variolites and abundance of calcite-chlorite patches and veins (ie. along pillow margins)	13.10	18.40	NS	-	-	-	-	-
			18.40	19.40	FX486501	594	44	8	0	0
			19.40	20.40	FX486502	178	52	4	0	0
			20.40	21.40	FX486503	46	68	2	0	0
		- Overall medium grey-green color with sections up to 30 cm wide of mottled or spotty white variolites	21.40	24.40	NS	-	-	-	-	-
			24.40	25.40	FX486504	188	58	4	0	0
			25.40	26.40	FX486505	190	54	0	0	0
		- Basalt is aphanitic to very fine grained, grains of plagioclase up to 1 mm and rare dark mafic minerals evident in an aphanitic grey-green matrix	26.40	27.40	FX486506	341	58	6	0	0
		- Interval is cut by white calcite-quartz veins and veinlets up to 1 cm wide form approximately 3 to 5 % of the section, occur randomly spaced but average 1 per 0.5 m								
		- Calcite-quartz veins are banded in cross section								
		- Occasionally have chlorite and pyrite/pyrrhotite in calcite veins, or have narrow (<1 mm) pyrite-chlorite margins								
		- veins are at 10 to 55 degrees to core axis (CA)								
		- Interval is also cut by dark green to black chlorite veins and wispy veinlets and stringers up to 20 cm wide, may contain calcite-quartz veins or may be discordant with ca-qtz veins								

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLE#	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
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- Approximately 5 to 10 % chlorite veins
- approximately 5% pyrite/pyrrhotite veinlets up to 3 mm wide with chloritic margins
- sulphide/chlorite veins cut core at random orientations and tend to occur in bunches rather than at regularly spaced intervals
- traces of chalcopyrite in pyrite/pyrrhotite veinlets - sulphides occurs mainly in chlorite veins and veinlets as wisps and blebs and appears to be directly associated with chlorite alteration
- rare to no disseminated sulphide mineralization, minor pyrite on fracture surfaces as wafer thin smears
- Overall the interval is weakly altered - minor chloritization of mafics, minor sericitization and clay alteration of plagioclase very weak silicification towards the bottom of the interval
- Interval is moderately fractured, pieces 1 cm to 20 cm long, fractures at 45 to 90 degrees to core axis (CA)
- Fractures occasionally have pyrite smears, chlorite/calcite or white clay
- Recovery = 94 %

- SAMPLE FX 486501 - intensely chlorite veined with 5%

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
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pyrite/pyrrhotite veins and masses in
variolitic basalt

- SAMPLE FX 486502 - moderately
chlorite and calcite veined, up to 4%
py/po

- SAMPLE FX 486503 - relatively
unaltered basalt - characterization
sample

With 2% calcite veining and weak
pervasive chlorite and sericite

- SAMPLE FX 486504 - moderately
chlorite and calcite veined with up to
2% sulphide-chlorite veins

- SAMPLE FX 486505 - moderate to
intense chlorite-calcite veining with
up to 4% pyrite-pyrrhotite-chlorite
veinlets

- SAMPLE FX 486506 - moderate chlorite
veining with 6% pyrite-pyrrhotite
-chlorite veining

27.40 28.00 BRECCIA

- Contact zone between overlying
pillowed? basalt and underlying
silicified basalt/chert

- Brecciated basalt fragments < 1 cm
in a quartz-chlorite matrix with up to
5% wispy pyrite stringers at the top of
the interval and silicified basalt
fragments in a white calcite cement at
the bottom with 3% pyrite-pyrrhotite
fracture filling

- Contacts are at a high angle to the

27.40	28.00	FX486507	334	122	6	0	0
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FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
		core axis (<10 degrees) - This interval may be interpillow chert/hyaloclastite - Recovery = 100 %								
28.00	30.90	BASALT								
		- SILICIFIED BASALT	28.00	29.00	FX486508	81	50	2	0	0
		- Light to medium grey with small (< 1 mm) white to light grey spots - believed to be relic plagioclase phenocrysts	29.00	30.00	FX486509	21	28	2	0	0
		- Intensely silicified (approx. 90% Si), slight translucent appearance	30.00	30.90	FX486510	44	42	4	0	0
		- 5 to 8% white calcite veins, wispy veinlets and fracture fillings								
		- veins and veinlets have wavy, random orientations								
		- 1 to 3% pyrite as fracture fillings and associated with calcite veinlets								
		- no chloritization								
		- Fault zone from 30.0 to 30.5 m - core is quite fractured with 5% grey- white fault gouge								
		- Upper contact of unit is irregular and at shallow angle to the core axis								
		- Overlying breccia is bleached for for 2 mm from contact - clay alteration?								
		- Lower contact is fairly sharp and at 20 degrees to core axis and marked								
		- Recovery = 95%								
30.90	31.90	HYALOCLASTITE								
		- Light beige-grey aphanitic, finely	30.90	31.90	FX486511	83	88	6	0	0

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
		laminated tuff/clay								
		- Appears to be water lain fine ash/clay material with clasts of silicified material								
		- Interval contains only minor sulphides on fracture surfaces (< 1%)								
		- Portions of unit have very small (< 0.5 mm) white spots								
		- for 25 cm lower contact is quartz-calcite with minor sericite and chlorite vein								
		- Lower contact is at 20 degrees to core axis								
		- Recovery = 100%								
31.90	49.50	BASALT								
		- BASALT FLOW	31.90	32.90	FX486512	14	58	6	0	0
		- Overall medium grey-green color, grades from aphanitic at top to fine grained from 37.5 to 40.8 m back to aphanitic to bottom of interval	32.90	35.00	NS	-	-	-	-	-
		- Aphanitic portions appear to be chilled margins of flow while coarser grained portion is the core of the flow	35.00	36.00	FX486513	90	42	6	0	0
		- From 34.3 to 36.5 m contains 15 to 20 % wispy calcite/chlorite veining with 2 to 3 % pyrite associated with the Ca-Chl veins and as fracture fillings	36.00	38.00	NS	-	-	-	-	-
		- Calcite-Chlorite veining runs along core axis	38.00	39.00	FX486514	70	46	6	0	0
		- The medium grained interval has chloritized mafic minerals up to 2 mm	39.00	47.50	NS	-	-	-	-	-
			47.50	48.50	FX486515	352	130	8	0	0
			48.50	49.50	FX486516	1225	188	12	0	0.2

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
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long, which are occasionally replaced by pyrite

- at 40.8 m have 2 calcite veins 0.8 cm and 1.5 cm wide with chlorite/pyrite margins 1 mm wide
- from 41.6 to 44.3 m have a 1 to 2 cm wide calcite vein running along core axis and has a <1 mm chlorite/pyrite margin
- from 45.9 to 47.3 and 48.5 to 49.5 m core is quite fractured
- core is slightly bleached from 47.5 to bottom contact
- slightly silicified from 48.8 to bottom, at 49.0 m have a 10 cm portion of intensely silicified basalt with 10% pyrite-pyrrhotite
- recovery = 95%

- SAMPLE FX 486512 - weak chlorite veining, weak pervasive alteration, < 1% sulphides

- SAMPLE FX 486513 - intense calcite-chlorite veining with 1 to 2% pyrite -pyrrhotite-chlorite veins

- SAMPLE FX 486514 - weakly altered, 1% chlorite veining, 1% calcite

- SAMPLE FX 486515 - 10% calcite veining, 3% chlorite veining, 1 to 2% sulphides

- SAMPLE FX 486516 - moderate to intense silicification, 5% pyrite-pyrrhotite

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
49.50	58.00	GABBRO								
		- GABBRO SILL	49.50	50.50	FX486517	75	66	10	0	0
		- unit grades from aphanitic to fine	50.50	51.50	FX486518	57	62	8	0	0
		grained (< 1 mm) in top 30 cm to	51.50	52.50	FX486519	13	68	4	0	0
		predominantly medium grained to end of	52.50	58.00	NS	-	-	-	-	-
		interval, however grain size is								
		variable								
		- upper contact is difficult to								
		locate, as gabbro is fine-grained and								
		similar to basalt, but is marked by a 5								
		cm white calcite vein at 30 deg CA								
		- interval is very weakly magnetic,								
		with 3% calcite veining up to 3 mm wide								
		spaced about 1 per 20 cm and at								
		varying degrees to core axis, but								
		predominantly 45 degrees to core axis								
		- minor chloritization of mafic								
		minerals and rare chlorite in calcite								
		veins								
		- 1 to 2 % pyrite in calcite-chlorite								
		veins and along fracture surfaces								
		- interval is quite competent, pieces								
		1 to 40 cm long, fractures at 30 to 80								
		degrees to core axis								
		- gabbro shows slight decrease in								
		grain size over bottom 5 cm								
		- lower contact is not sharp, but								
		roughly 35 degrees to core axis								
		- xenoliths of underlying basalt up to								
		1 cm incorporated into bottom 2 cm								
		- underlying unit shows weak baking at								
		margin - intrusive contact								

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
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- recovery = 97%

- SAMPLE FX 486517 - @ upper contact, chill margin, 3% ca veins, clay/ser alteration, < 1% dissem. sulphides

- SAMPLE FX 486518 - same as FX 486517, but 1 to 2% dissem. py and po

- SAMPLE FX 486519 - moving out of chill margin, 7% ca veining with chl margins and up to 1% sulphides in chl

58.00 58.40 BASALT

- PORPHYRITIC BASALT DYKE

58.00 58.40 FX486520 74 106 22 0 0

- light grey-beige, aphanitic, with 4% wispy chlorite stringers and 3% calcite veins

- upper and lower contacts are not straight, appear to be baked, light grey with dark mafic phenocrysts to 1 mm, clay altered

- both contacts are at roughly 50 deg to core axis

- unit appears to have been baked by gabbro, may be a ledge between gabbro sills or a xenolith incorporated in large sill

58.40 66.50 GABBRO

- GABBRO SILL

58.40 66.50 NS - - - - -

- slightly chilled upper contact, grades into medium grained with salt and pepper texture

- interval contains 3% white calcite

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLE#	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
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veins and wispy veinlets

- from 58.4 to 58.7 m and from 59.2 to 60.3 m rock is quite fractured, pieces < 5 cm long with up to 10% fault gouge
- from 61.1 to 63.1 rock is fractured into pieces < 10 cm long with polished fracture surfaces
- fractures at 10 to 50 degrees to core axis
- occasional fracture coated with chlorite and/or pyrite
- overall the interval contains < 1% sulphides (py)
- recovery = 99%

66.50 68.40 BASALT

- PORPHYRITIC BASALT DYKE
- same as porphyritic basalt from 58.00 to 58.40 m, may be ledge or xenolith
- light to medium grey, fine grained to aphanitic, with 1 to 2% dark spots (< 1 mm) and 2 to 3% white spots (< 1 mm)
- upper 40 cm has 40% white calcite veining with 5% wispy chlorite and 2 to 4% pyrite associated with the chlorite
- below this the interval is fairly homogeneous, light grey with occasional dark grey-green wisps of chlorite, sometimes along fractures
- overall, the interval contains approximately 1% sulphides (py)

66.50	66.90	NS	-	-	-	-	-	-	-
66.90	68.40	FX486521	67	64	2	0	0	0	0

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
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- upper contact at 20 degrees to core axis, lower contact at 60 degrees to core axis

- lower contact has a 1 cm bleached chill margin with 15% mafic phenocrysts
- recovery = 95%

- SAMPLE FX 486521 - sample from 66.9 to 68.4 m, does not include top 40 cm of ca veining, sample for characterization

68.40 105.60 GABBRO

- GABBRO SILL	68.40	74.00	NS	-	-	-	-	-	-	-
- same as sills from 49.5 to 58.0 and 58.4 to 66.5 m	74.00	75.00	FX486522	41	52	6	0	0		
- fairly homogeneous, medium grained with salt and pepper texture	75.00	98.00	NS	-	-	-	-	-	-	-
- 3 to 5% calcite veins and wispy veinlets up to 1 cm wide and at 40 degrees to core axis	98.00	99.00	FX486523	101	52	4	0	0		
- occasional calcite vein has chlorite blebs contained in it, or has narrow (1 to 3 mm) chlorite margins	99.00	105.60	NS	-	-	-	-	-	-	-
- also have chlorite only veins up to 0.5 cm wide										
- 1 to 2 % narrow (1 to 2 mm) wispy veins of a very fine grained to aphanitic light grey, clayey looking mineral - sericite?										
- < 1% sulphides, mainly associated with calcite chlorite veins										
- has rare (<< 1%) epidote spots -										

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	AU PPB	Ag PPM
		alteration of plagioclase? - unit is very weakly magnetic - from 103.0 to 105.6 m gabbro becomes slightly finer grained with mafic porphyroblasts up to 2 mm - lower contact is chilled and bleached for 5 cm, contact at 60 degrees to core axis - recovery = 98%								
		- SAMPLE FX 486522 - characterization sample, relatively unaltered, coarse-grained, < 1% ca, chl veining - SAMPLE FX 486523 - characterization sample, relatively unaltered, coarse-grained, 1 to 2% ca veining								
105.60	108.10	MUDSTONE								
		- INTENSELY SILICIFIED MUDSTONE	105.60	106.60	FX486524	6	12	2	0	0
		- light to medium grey to beige, has a sugary, translucent lustre	106.60	107.60	FX486525	2	10	2	0	0
		- banding evident throughout, especially at top contact, banding parallels contact at 60 deg to CA	107.60	108.10	NS	-	-	-	-	-
		- is banding bedding (SC) or metasomatic banding in silicified rock (JM), banding decreases in intensity away from contact - locally has small (<< 1 mm) white spots within it - unit is fairly competent, pieces 1 to 30 cm long, fractures at 60 deg to								

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
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core axis

- also have numerous randomly oriented micro-fractures which are healed by quartz or calcite

- rare pyrite fracture filing (< 1%)
- towards bottom contact have a 3 cm clast of unsilicified volcanic within the chert

- bottom contact at 60 degrees to core axis

- recovery = 100%

108.10 127.20 GABBRO

- GABBRO SILL	108.10	116.20	NS	-	-	-	-	-	-
- same as overlying sills	116.20	116.90	FX486526	8	42	4	0	0	
- overall light to medium grey color	116.90	126.20	NS	-	-	-	-	-	
- top 3 cm shows slight chill margin, and some baking of contact	126.20	127.20	FX486527	5	42	4	0	0	

- aphanitic to fine grained down to 113 m, medium grained from 113 to 127.2 m with a salt and pepper texture

- unit is very competent, pieces 3 to 40 cm long, fractures predominantly at 40 to 50 degrees to core axis

- 3 to 5% white calcite veins and wispy veinlets at varying angles to core axis

- from 112.2 to 113.8 m have a 1 cm calcite vein running along core axis

- occasionally calcite veins have a 1 to 2 mm chlorite rim, rarely with minor pyrite

- overall sulphide content is < 1%

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
		<ul style="list-style-type: none"> - from 116.2 to 116.9 have intense chlorite alteration with calcite and pyrite bands at 20 deg. to core axis - also have chlorite-calcite-sericite band at 123.7 to 124.0 m at 20 deg. - unit becomes finer grained in bottom 2 cm - lower contact marked by a 10 cm wide, white calcite and dark green chlorite vein, contact at 65 degrees to core axis - recovery = 97% - SAMPLE FX 486526 - intensely chloritized-calcite veined zone, 1% py/po - SAMPLE FX 486527 - bottom contact, weakly chloritized and silicified, < 1% sulphides 								
127.20	141.30	MUDSTONE								
		- INTENSELY SILICIFIED MUDSTONE	127.20	128.20	FX486528	2	16	0	0	0
		- varies from light grey with sugary, translucent lustre to deep muddy beige color	128.20	129.20	FX486529	1	18	0	0	0
			129.20	139.00	NS	-	-	-	-	-
			139.00	140.00	FX486530	634	20	2	0	0
		- 10 cm of fault gouge at top contact	140.00	141.30	NS	-	-	-	-	-
		- banding (bedding?) is observable throughout interval and varies from 30 to 40 degrees to core axis								
		- unit is quite hard and brittle								
		- from 133.2 to 135.8 and from 137.3 to 140.5 m is fracture into angular pieces < 10 cm long								

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
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- interval has numerous micro-fractures, some healed by quartz, others by a dark mineral (chlorite?), some have bleaching of wall rock for 1 to 2 mm
- occasional fracture healed by pyrite
- micro-fractures at varying angles, but predominantly 60 deg to core axis
- overall sulphide content < 1%
- graininess of sediment varies throughout interval and indicates a mixture of silt/mudstone/argillite
- from 140.5 to 141.3 unit becomes much coarser grained, appears to be a mixed wacke and mudstone
- lower contact grades from silicified wacke/mudstone to unsilicified black carbonaceous, graphitic mudstone, contact at 30 degrees to core axis
- recovery = 95%

- SAMPLE FX 486528 - top 10 cm gouge zone with 30% ca veining, rest is silicified with 1% py/po micro-fracture filling
- SAMPLE FX 486529 - intensely silicified mudstone with 1 to 2% py/po
- SAMPLE FX 486530 - towards bottom of silicified zone - characterization, with 1 to 2% py/po in fractures and along bedding planes

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
141.30	163.00	MUDSTONE								
		- dark grey-brown to black, aphanitic, homogeneous, massive mudstone	141.30	142.00	NS	-	-	-	-	-
		- bedding is very difficult to discern, weakly marked by calcite veinlets along bedding planes and rare bands of coarser clastic material, bedding at 30 to 40 degrees to core axis	142.00	143.00	FX486531	98	376	14	0	0.6
			143.00	144.00	NS	-	-	-	-	-
			144.00	145.00	FX486532	104	394	12	0	1.8
			145.00	158.00	NS	-	-	-	-	-
			158.00	159.00	FX486533	89	330	6	0	1.6
			159.00	163.00	NS	-	-	-	-	-
		- top 3 m is very graphitic and faulted with 5% calcite veining, is it faulted because its graphitic or graphitic because its faulted?								
		- from 145 m down unit is carbonaceous (fizzes with HCl) - contains 1 to 2 % very fine grained disseminated pyrite throughout and rare pyrite blebs up to 2 mm in diameter and rare pyrite filling micro fractures								
		- interval is intensely faulted, fractured and sheared with abundant graphite on fracture surfaces from 141.3 to 143.9 and from 160.0 to 163.0 m								
		- elsewhere unit is quite competent								
		- lower contact is sharp but wavy and at approximately 15 degrees to CA								
		- mudstone is not bleached nor baked at lower contact								
		- SAMPLE FX 486531 - sample of graphitic fault zone with 5% calcite veining								

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
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- SAMPLE FX 486532 - character sample of mudstone, 1% ca veining, < 1% sulph
- SAMPLE FX 486533 - character sample, << 1% ca veining, < 1% sulphides

163.00 168.00 GABBRO

- PORPHYRITIC GABBRO SILL or PORPHYRITIC BASALT as above - see whole rock

163.00	164.00	NS	-	-	-	-	-	-	-	-
164.00	165.00	FX486534	48	66	6	0	0			
165.00	168.00	NS	-	-	-	-	-	-	-	-

- top 0.5 m is bleached to light grey, aphanitic to fine grained matrix with porphyritic mafic minerals up to 1 mm, with a clay altered chill margin

- chilled contact zone is similar to porphyritic basalt

- from 163.5 to 165.8 unit is coarse grained, medium green-grey color, slightly porphyritic, with mafic minerals up to 3 mm

- plagioclase has been partially altered to light green epidote in a pervasively chloritized gabbro

- 5% calcite veining (1 per 5 cm), veins at 30 to 75 degrees to core axis
- < 1% fine grained disseminated sulphides

- from 165.8 to 168.0 consists of bleached, light grey, clayey fault gouge with a few pieces up to 10 cm long

- clay zone swelled upon getting wet, squeezing the rods and making the drilling difficult, eventually had to

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
		abandon hole								
		- lower contact is within the fault zone, but is sharp at 55 degrees to CA								
		- SAMPLE FX 4865334 - characterization sample, 4 to 5% ca veining, < 1% sulph								
168.00	175.60	MUDSTONE								
		- black carbonaceous and graphitic mudstone	168.00	173.00	NS	-	-	-	-	-
		- similar to mudstone from 141.3 to 163.0 m, but is fractured	173.00	174.00	FX486535	60	178	4	0	0.6
		- from 168.0 to 168.4 is brecciated with angular breccia fragments cemented with calcite	174.00	177.00	NS	-	-	-	-	-
		- from 168.4 to 175.6 interval is intensely fractured, pieces are angular and < 2 cm long, with abundant graphite on fracture surfaces								
		- from 172.4 to the 175.6 m core is much harder and slightly silicified as it approaches the contact with the gabbro								
		- silified interval is still quite dark color								
		- mudstone contains < 1% pyrite as very fine-grained disseminations								
		- lower contact is not discernable due to faulting								
		- recovery = 60%								
		- SAMPLE FX 486535 - character sample, fractured, pieces < 8 cm, << 1% ca								

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
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veins, <1% disseminated sulphides

175.60 180.70 GABBRO

- PORPHYRITIC GABBRO SILL or
PORPHYRITIC BASALT as above, see whole
rock

177.00	178.00	FX486536	41	68	4	0	0
178.00	180.70	NS	-	-	-	-	-

- upper contact is not well preserved
due to fault, but does appear to have
a significant chill margin with mafic
phenocrysts

- upper portion is medium green-grey
with 3% light green specs (epidotized
plagioclase) and 10% dark green mafic
minerals

- matrix is pervasively weakly
chloritized

- 3% calcite veins up to 0.3 cm wide
occurring approximately 1 per 15 cm

- << 1% sulphides as fine grained
disseminations

- lower contact is also not well
preserved, however bottom 0.5 m is much
finer grained than centre of gabbro
and is slightly porphyritic (mafic
phenocrysts up to 2 mm in an aphanitic,
light to medium grey matrix)

- very weakly silicified for 2 to 3 cm
from both contacts

- SAMPLE FX 486536 - characterization
sample, 3% calcite veining, <1% disseminated sulph

180.70 183.70 MUDSTONE

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
		- similar to interval from 168.0 to 175.6 m but slightly coarser grained, approaching a wacke	180.70	181.00	NS	-	-	-	-	-
		- also slightly harder, weakly silicified	181.00	182.00	FX486537	37	130	4	0	0.2
		- 3% calcite veining up to 2 mm wide at 30 degrees to core axis	182.00	183.70	NS	-	-	-	-	-
		- interval is quite fractured, pieces < 7 cm long								
		- much less graphitic than mudstone above								
		- contains < 1% disseminated sulphides								
		- upper contact is an intrusive contact, is sharp at 50 degrees to core axis								
		- lower contact may be a bedding contact with underling basalt, only 10 cm of underlying unit available for identification								
		- lower contact at 40 degrees to core axis								
		- recovery = 55%								
		- SAMPLE FX 486537 - characterization sample, quite fractured, pieces < 8 cm, 3 to 5% ca veining								
183.70	183.80	BASALT								
		- 10 cm piece of light grey, aphanitic to fine grained, mafic igneous rock								
		- does not have a chill margin unless complete interval is chilled								
		- 5% chlorite-sericite wispy stringers at 20 degrees to core axis								

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
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- chlorite stringers have a trace of
pyrite associated with them
- 5% calcite veining

183.70	183.80	NS	-	-	-	-	-	-	-	-
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BOREHOLE LOG

BOREHOLE : 87029
 PROJECT : CM
 PROPERTY NAME : CM
 MINE :

DATE PRINTED: 11/02/95

COUNTRY : Canada
 PROV/STATE : BC
 NTS/QUADRANGLE : 092P/08E
 TWP/COUNTY :
 SEC. T. R. :
 CLAIM NAME : CM 2
 GRID NAME :
 UTM COORDINATES : 5685660 mN, 701891 mE
 ANOMALY E :

NORTHING : 5685660.00
 EASTING : 701891.00
 ELEVATION : 1190.00
 BOREHOLE BEARING : 90
 INCLINATION : -50
 HOLE LENGTH : 211.80
 ATTITUDE TEST METHOD: Acid tests

LEVEL :
 HEADING :
 SECTION : 89+00 N
 BASELINE AZIMUTH : 0

LOGGED BY : Scott Casselman
 LOGGING STARTED : April 29, 1995
 LOGGING COMPLETED : May 4, 1995
 DRILLED BY : Beaupre Diamond Drilling Ltd.
 DRILL TYPE : Longyear Super 38
 CORE SIZE : HQ to 198 m, NQ to end
 HOLE SIZE :
 STARTED : April 28, 1995
 COMPLETED : May 4, 1995

ASSAYED FOR :

COMMENTS:*****

Hole drilled to test Maxmin conductor on line 89+00 N, lost in fault zone

DEVIATION RECORDS

DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP
0.00	90.00	-50.00	32.00	90.00	-49.50	60.96	90.00	-50.00
92.96	90.00	-50.00	123.44	90.00	-49.50	152.40	90.00	-49.50
182.90	90.00	-49.50						

FROM	TO	DESCRIPTION	FROM	TO	SAMPLEE	Cu	Zn	Pb	Au	Ag
Me	Me		Me	Me		PPM	PPM	PPM	PPB	PPM

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
0.00	12.20	OVERBURDEN	0.00	12.20	NS	-	-	-	-	-
12.20	39.70	GABBRO								
		- GABBRO SILL - similar to sill in hole 87028	12.20	26.00	NS	-	-	-	-	-
		- varies from fine to coarse grained	26.00	27.00	FX486538	6	50	4	0	0
		- light to medium grey-green	27.00	32.20	NS	-	-	-	-	-
		- some sections are homogeneous,	32.20	33.20	FX486539	9	76	8	0	0
		fairly equigranular with a salt and pepper texture, while elsewhere is porphyritic, with a light grey plagioclase rich fine grained matrix with coarse (to 0.5 cm) round clots of dark green mafic	33.20	39.70	NS	-	-	-	-	-
		Minerals								
		- plagioclase phenocrysts in both types are up to 0.3 cm long								
		- 3 to 7% calcite/chlorite/quartz veins 0.1 to 1 cm wide, roughly 1 per 15 cm, at 20 to 45 degrees to core axis								
		- up to 1% disseminated pyrite and pyrite smears on fracture surfaces								
		- interval is moderately fractured, pieces 5 to 20 cm long, fractures coated with chlorite and occasionally pyrite								
		- fractures at 15 to 70 degrees to core axis								
		- from 32.2 to 33.4 m core is intensely chloritized (50%) as banded, wispy veinlets with 5% calcite								
		- gabbro becomes fine grained from								

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
		<p>37.9 to end of interval - chill margin - lower contact is sharp at 20 degrees to core axis - recovery = 95%</p> <p>- SAMPLE FX 486538 - characterization sample of gabbro sill, relatively unaltered, 2% calcite veining, 1 cm chlorite vein, << 1% sulphides - SAMPLE FX 486539 - intensely chloritized gabbro (30% chl), 10% calcite 2% pyrite in chlorite, quite fractured</p>								
39.70	41.30	BASALT	39.70	41.30	FX486540	45	64	6	0	0
		<p>- PORPHYRITIC BASALT - similar to porphyritic basalt in hole 87028 - may be a ledge of basalt surrounded by sill or a xenolith - medium to dark green-grey, slightly porphyritic - matrix is aphanitic with 5 to 7% light green, epidotized plagioclase phenocrysts and rare mafic phenocrysts - 1% very narrow (< 1 mm) calcite fracture fillings - < 1% very fine-grained disseminated sulphides - interval is quite fractured, pieces 1 to 15 cm long - fracture surfaces are rough and coated with calcite, chlorite and rarely pyrite</p>								

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
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- at upper contact have a 1 cm bleached chill margin with 10% black mafic phenocrysts
- at lower contact have a similar bleached chill margin for 2 cm
- lower contact at 40 degrees to core axis
- recovery = 89%
- SAMPLE FX 486540 - characterization sample

41.30 59.40 GABBRO

- GABBRO SILL
- similar to gabbro from 12.2 to 39.7 m, but slightly finer grained
- light to medium grey, much less dark green mafic mineral clots, but have 20% light grey spots
- 3 to 5% calcite veining, 1 mm to 2 cm wide, about 1 per 20 cm, generally with chlorite, at 15 to 45 degrees to core axis
- at 41.6 m have a 2 cm wide calcite-quartz-epidote vein at 40 deg to CA
- < 1% fine-grained disseminated sulphides
- lower contact chloritized for 30 cm, contact at 30 degrees to core axis
- SAMPLE FX 486542 - characterization sample, relatively unaltered, < 1%

41.30	49.00	NS	-	-	-	-	-	-	-
49.00	50.00	FX486541	20	70	0	0	0	0	
50.00	59.40	NS	-	-	-	-	-	-	

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
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calcite veining, 1 to 3% veinlet
chlorite, << 1% sulphides

59.40 60.60 BASALT

- PORPHYRITIC BASALT
- similar to dike from 39.7 to 41.3 m
- medium green, aphanitic matrix with 10% white plagioclase phenocrysts, some altered partially to epidote
- upper contact shows a 2 cm bleached light grey (clay altered?), chill margin with 10% dark green mafic phenocrysts
- lower contact has a similar chill margin 5 cm wide
- recovery = 100%
- SAMPLE FX 486542 - characterization sample

59.40	60.60	FX486542	40	78	8	0	0
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60.60 66.10 GABBRO

- GABBRO SILL
- similar to gabbro from 41.3 to 59.4 m
- light grey, fine to medium-grained, slightly porphyritic with mafic laths
- to 3 mm long
- < 1% very fine-grained disseminated pyrite
- 3% calcite-chlorite veinlets
- recovery = 93%

60.60	66.10	NS	-	-	-	-	-
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66.10 66.50 BASALT

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
		<ul style="list-style-type: none"> - PORPHYRITIC BASALT - similar to porph basalt @ 39.7 - 41.3 & 59.4 - 60.6 m - aphanitic, medium grey-green matrix with 10% white, 1 to 2 mm plagioclase laths and 20% medium to dark green, rounded, 2 to 4 mm mafic mineral clots - < 1% very fine-grained disseminated sulphides - upper contact has a 2 cm chill margin with 10 to 15% mafic phenocrysts, NO plagioclase phenocrysts and is at 40 degrees to core axis - similar to dikes at 39.7 to 41.3 m and 59.4 to 60.6 m - aphanitic, medium grey-green matrix with 10% white, 1 to 2 mm plagioclase laths and 20% medium to dark green, rounded, 2 to 4 mm mafic mineral clots - < 1% very fine-grained disseminated sulphides - upper contact has a 2 cm chill margin with 10 to 15% mafic phenocrysts, NO plagioclase phenocrysts and is at 40 degrees to core axis - lower contact also has a 2 cm chill margin and is at 50 degrees to core Axis - recovery = 100% 	66.10	66.50	NS	-	-	-	-	-

66.50 134.90 GABBRO

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLE#	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
		- GABBRO SILL	66.50	96.00	NS	-	-	-	-	-
		- similar to gabbro sills above, but slightly finer-grained	96.00	97.00	FX486543	60	66	8	0	0.2
		- interval is fairly homogeneous, light grey, fine-grained matrix with dark green mafic phenocrysts to 3 mm and rare plagioclase phenocryst	97.00	133.90	NS	-	-	-	-	-
		- 2 to 3% calcite veining up to 1 cm wide at various angles to core axis, about 1 per 60 cm	133.90	134.90	FX486544	10	50	6	0	0
		- fairly competent rock, pieces 5 to 20 cm long, fractures at 30 to 70 degrees to core axis								
		- << 1% very fine-grained disseminated sulphides								
		- 1 to 2% chlorite, generally associated with calcite veins								
		- traces of sericite associated with chlorite-calcite								
		- from 126.0 to 126.5 sandy fault gouge								
		- unit becomes finer-grained from 129.3 to end of interval, bottom 1 m is aphanitic, grey to beige matrix with 15% dark green mafic phenocrysts								
		- bottom 0.4 m is silicified and looks like a silicified beige colored clay - chill margin								
		- lower contact at 50 degrees to core axis								
		- recovery = 97%								
		-SAMPLE FX 486543 - characterization								

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
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sample, slightly bleached to light grey with dark mafic phenocrysts up to 2 mm, 1% calcite veining, < 1% pyrite
 - SAMPLE FX 486544 - sample of lower 1 m of contact zone, chill margin, 2 to 3% calcite, < 1% sulphides

134.90 145.80 MUDSTONE

- SILICIFIED MUDSTONE	134.90	135.90	FX486545	28	30	2	0	0
- upper contact is at 55 degrees to core axis	135.90	140.50	FX486546	66	102	14	0	0.2
- top 5 cm is black silicified mudstone, then 8 cm of silicified, beige gabbro (with 5% relic phenocrysts), then light beige-grey weakly to well bedded silicified mudstone	140.50	144.80	NS	-	-	-	-	-
- from the top to 136.0 m is very amorphous	144.80	145.80	FX486547	55	30	8	0	0
- at 135.3 m have a 2 cm wide breccia zone cemented with calcite								
- from 136.0 to 138.3 gradually changes from amorphous to more silty, as well as a color change from light beige-grey to medium grey, bedding also becomes more distinct								
- from 138.3 to 138.6 is a medium grey, well bedded siltstone								
- bedding at 138.5 m = 40 degrees to core axis								
- from 138.6 to 139.4 is siliceous siltstone								
- 139.4 to 140.0 well bedded siltstone								

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
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- interval has 5 to 7% calcite and quartz veining and fracture filling
- interval is quite fractured, pieces < 1 cm to 15 cm long, with numerous Micro fractures cemented with calcite, quartz, or with a dark green mineral believed to be chlorite
- < 1% sulphides as very fine-grained disseminations + fracture fillings
- at 137.5 to 140.0 m have 2 to 3% sulphides as fracture fillings
- at 139.97 m have a 3 cm wide blob of sulphide (mainly pyrite) in in siltstone at contact with chert
- pyrite is fine-grained and fairly euhedral
- from 140.5 to 142.5 rock is quite fractured, pieces < 8 cm long
- throughout this fracture interval rock is siliceous siltstone with up to 3% sulphides filling fractures, also have abundant calcite and clay minerals on fracture surfaces
- from 142.5 to end of interval core is more competent, pieces up to 15 cm
- from 142.5 to 144.7 core is medium grey siltstone, slightly silicified
- bedding at 142.5 = 55 degrees to core axis
- has 3% bedding parallel, dark grey-brown, very fine-grained, sulphide layers up to 0.5 mm wide
- from 144.7 to 145.8 m have weakly

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
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bedded silicified mudstone which varies from light grey-white to beige-grey, with numerous micro-fractures filled with dark grey-green mineral (chlorite?) and occasionally with sulphides

- lower contact is sharp at 85 degrees to core axis

- recovery = 84%

- SAMPLE FX 486545 - upper contact zone of silicified seds, baked, bleached silicified and clay altered, intensely fractured

- SAMPLE FX 486546 - variably silicified (40%) mudstone/siltstone, up to 3% pyrite/pyrrhotite filling fractures, and one large bleb at 140.0 m

- SAMPLE FX 486547 - bottom contact zone, intensely silicified, moderately fractured, micro-fractures healed by quartz, calcite, and chlorite, as well as up to 2% py/po

145.80 148.90 GABBRO

- GABBRO SILL

145.80	146.80	FX486548	88	74	6	0	0
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- light beige-greyy, fine-grained

146.80	148.90	NS	-	-	-	-	-
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- similar to gabbro above, but much finer grained and different color

- because sill is narrower is finer-grained, and more altered, quite soft, sericitized and clay altered

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
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- relic mafic phenocrysts up to 1 mm are weakly chloritized and sericitized
- 3% calcite veining up to 0.5 cm wide, 1 per 15 cm
- < 1% sulphides, mainly as smears on fracture surfaces
- upper contact is sharp with a 4 cm lighter beige chill margin
- upper contact at 85 degrees to core axis
- from 146.8 to 146.9 m have silicified mudstone with contacts at 50 deg
- lower contact of sill is sharp, 2 cm light beige, fine-grained chill margin at 60 degrees to core axis
- recovery = 84%
- SAMPLE FX 486548 - characterization sample of top contact, 7% calcite, up to 1% sulphides

148.90 150.00 MUDSTONE

- BLACK CARBONACEOUS, GRAPHITIC MUDSTONE
- aphanitic, fairly massive and homogeneous, weak to no bedding planes
- top 15 cm is silicified and competent with 3 to 5% pyrite and pyrrhotite as a < 1 mm veinlet at the contact and as blebby disseminations and fracture fillings, also has 7% brecciated calcite veins perpendicular

148.90 150.00 NS

- - - - -

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
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to contact

- then have a 1 cm wide white calcite vein at 60 degrees to core axis
- followed by 20 cm of broken, faulted, graphite-rich mudstone (looks and feels like anthracite coal pieces)
- from 149.3 to 149.9 m mudstone is fairly competent, pieces average 8 cm,
- mudstone is very carbonaceous, is it muddy limestone or limey mudstone?
- also has 3 to 5% calcite veins, and up to 2% fine-grained, euhedral, disseminated pyrite
- from 149.9 to lower contact interval becomes increasingly silicified and lighter grey color, to completely silicified at bottom
- 5 cm from bottom have a 2 mm calcite-sulphide vein parallel to contact
- lower contact is irregular contact, but approximately 85 degrees to CA
- recovery = 100%

150.00 150.60 GABBRO

- | | | | | | | | | | | |
|--------|--------|--|--------|--------|----|---|---|---|---|---|
| 150.00 | 150.60 | GABBRO SILL - same as gabbro from 145.8 to 148.9 m | 150.00 | 150.60 | NS | - | - | - | - | - |
|--------|--------|--|--------|--------|----|---|---|---|---|---|
- upper 40 cm is quite fractured and soft - clayey
 - bottom 20 cm more competent
 - 3 cm lighter beige-grey chill margin at lower contact, contact at 60 deg
 - lower contact has a 3 mm wide vein

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
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of pyrite and calcite
- recovery = 83%

150.60 151.10 MUDSTONE

- top 25 cm is silicified with silica content decreasing away from contact
- silicified portion contains 7% sulphides as veins and fracture fillings decreasing in amount with decrease in silicification
- sulphide veins are pyrite and pyrrhotite, trace of chalcopyrite
- from 150.85 to end of interval mudstone is quite sheared, brecciated and graphitic, NO silicification but cemented with calcite
- lower contact is sheared but sharp, at 60 degrees to core axis
- recovery = 80%

150.60 151.10 NS

- - - - -

151.10 151.80 GABBRO

- GABBRO SILL - same as sills above
- upper contact has a 3 cm bleached, finer-grained chill margin which is clay altered, has 8% chlorite filled micro-fractures and 2 to 3% pyrite blebs in the chlorite
- interval is fairly competent, pieces up to 10 cm long
- overall 5 to 10% chlorite filled micro-fractures and up to 2% pyrite as disseminations and in chlorite
- lower contact is sharp, has a 1 cm

151.10 151.80 NS

- - - - -

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
		light beige-grey bleached, clay altered chill margin - lower contact at 40 degrees to core axis - recovery = 100%								
151.80	211.80	MUDSTONE								
		- BLACK CARBONACEOUS MUDSTONE	151.80	152.80	FX486549	94	246	4	0	1
		- from 151.0 to 152.3 m is silicified	152.80	157.50	NS	-	-	-	-	-
		with silica decreasing away from	157.50	158.50	FX486550	69	282	2	0	1
		contact	158.50	170.00	NS	-	-	-	-	-
		- silicified portion contains up to 2%	170.00	171.00	FX486551	73	296	8	0	1.2
		sulphides, mainly pyrite fracture	171.00	190.00	NS	-	-	-	-	-
		fillings and pyrite cubes in calcite	190.00	191.00	FX486552	86	352	10	0	1.6
		veinlets								
		- 10% calcite veinlets, 1 to 2 mm wide, at 40 and 60 degrees to core axis								
		- from 152.3 to 152.5 m is black, graphitic fault gouge								
		- from 152.5 to 162.4 is black, slightly carbonaceous mudstone, well indurated, weakly hornfelsed with conchoidal fracture and little to no graphite								
		- mudstone is fairly massive, bedding planes are weakly defined by very fine-grained pyrite								
		- at 153.9 m bedding at 50 degrees to core axis								
		- interval has up to 5% white calcite veining, up to 0.5 cm wide, at 50 degrees to core axis, ca veins occasionally contain coarse pyrite								

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
		<ul style="list-style-type: none"> - overall, interval contains 1 to 2% pyrite as very fine-grained disseminations and in calcite veins and as smears on fracture surfaces - from 157.5 to 158.1 have some sulphide-rich bands up to 0.5 cm wide containing very fine-grained pyrite, rock is harder, slightly silica rich, sulphides appear to be primary - this portion is not limey, but does have 5% calcite veining - from 158.1 to 162.1 mudstone is moderately fractured and is slightly limey and has 7 to 10% calcite veining and breccia cement, with up to 1% very fine-grained pyrite - 162.1 to 162.4 m is black, hard, silica-rich mudstone with < 1% calcite veining and no graphite - 162.4 to 179.0 m back to softer, less hornfelsed massive mudstone with no silicification, but an increase in calcite in matrix, with 3 to 5% calcite veining and breccia cement, interval is fairly fractured, pieces < 10 cm with minor polished graphite on fracture surfaces - at 169.2, 170.7, 172.5 and 173.2 m have rounded sulphide clots up to 2 cm round, which may be sulphide clasts - at 179.8 m HQ bit required changing so decided to reduced to NQ instead - from 179.0 m on begin to get 								

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
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occasional narrow (1 mm to 1 cm) band of lighter grey, coarser grained clastic material - silt

- also getting an increase in bedded sulphide content with fine-grained bedded sulphides to 3%
- interval is slightly siliceous
- silt beds are contorted (soft sediment deformation) and bedding varies from 30 to 50 degrees to core axis
- from 192.0 to end mudstone is quite fractured, pieces < 8 cm, many fracture surfaces are polished with graphite
- bottom portion has a few intervals of pebble-sized rounded fragments
- through fractured zone mudstone is carbonaceous with 1% very fine-grained disseminated pyrite and up to 1% calcite veinlets
- at 198.0 m lost 3 m of core in a sandy/clayey gouge zone, drill could not wash the sand away, water pressure went up, had to ream HQ through zone
- at 211.8 m encountered another sand/clay seam - no core recovery for 1.5 m, could not wash material away, water pressure went up
- decided to try to ream HQ to this zone, HQ would not move - STUCK
- DECIDED TO ABANDON HOLE
- let HQ sit through the night - rods

87029

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FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
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loosened - managed to get all rods out
of the hole
- recovery = 68%

191.00	211.80	NS	-	-	-	-	-	-	-	-
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FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
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0.00 22.00 OVERBURDEN

- casing run to 22 m, tricone and casing shoe played-out, did not have spares, since cutting were coming back with black graphitic material decided hole was collared to far to west and would not get sufficient intersection in altered basalt zone, moved drill to 89+20N/106+60E for hole £ 87031

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
0.00	4.90	CASING - set-up on altered basalt bedrock, had to case to 4.9 m for solid rock	0.00	4.90	NS	-	-	-	-	-
4.90	72.80	BASALT - INTENSELY ALTERED MASSIVE TO PILLOWED BASALT - variable color and texture - varies from light grey-green where less altered to sections of dark green to black, to patchy green - basalt has occasional patches of variolites and is quite variable in alteration pattern - occasional sections are brecciated (flow tops?, hyalocalcite?) and some pillow rims evident - up to 10% contorted, wavy white calcite stringers up to 3 mm wide at random orientations - up to 5% translucent to wavy, contorted, white quartz veinlets and stringers <1 to 3 mm wide, at random orientations - interval is variably chloritized, from weak (core is light grey-green) to to patchy (dark green patches up to 2 cm round in light grey-green rock) to intense (dark green over 0.5 to 3 m) - variably silicified, generally more intensely silicified where core is intensely chloritized - up to 5% wispy, light grey-green	4.90	14.00	NS	-	-	-	-	-
			14.00	15.00	FX486553	64	74	6	0	0.2
			15.00	22.00	NS	-	-	-	-	-
			22.00	23.00	FX466554	55	58	2	0	0
			23.00	46.00	NS	-	-	-	-	-
			46.00	47.00	FX486555	56	66	4	0	0
			47.00	58.00	NS	-	-	-	-	-
			58.00	59.00	FX486556	56	66	4	0	0.2
			59.00	71.00	NS	-	-	-	-	-
			71.00	72.00	FX486557	71	72	8	0	0
			72.00	72.80	NS	-	-	-	-	-

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
		sericite veinlets								
		- < 1% sulphides as coatings on fracture surfaces								
		- from 10.0 to 17.5 m is intensely chloritized with patchy silicification, 3% quartz-calcite veining, 1 to 2% wispy sericite veining and < 1% pyrite on fracture surfaces								
		- 17.5 to 18.5 m and 19.0 to 20.1 light grey-green with 3% chlorite as fracture fillings								
		- at 18.9 m have a 2 mm vein of red-brown carbonate - siderite?								
		- 20.1 to 28.2 m dark green intense pervasive chloritization with 10% calcite-quartz stringers and 3% wispy sericite/clay stringers with weak to moderate silicification								
		- 28.2 to 32.2 is much less chloritized, less veined, fairly equigranular, medium grey-green basalt flow, towards the bottom of this interval (ie. top of the flow) becomes brecciated with chloritic matrix - flow top								
		- from the top to 32.2 m the core is fairly competent, pieces up to 40 cm								
		- fractures at 35 degrees to core axis								
		- from 32.2 to 39.6 m core becomes slightly more fractured, pieces < 12 cm								
		- is intensely pervasively chloritized with 5 to 7% calcite-quartz veining, 2 to 3% sericite wisps, < 1% sulphides								

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
		and weak pervasive silicification from 32.2 to 34.9 m								
		- 34.6 to 36.0 - flow as in 28.2 to 32.2								
		- 36.0 to 36.3 - chloritized, calcite-quartz veined								
		- 36.3 to 39.0 - flow as in 28.2 to 32.2 and 34.6 to 36.0								
		- 39.0 to 69.5 - much less chloritized, minor chlorite as wispy veinlets and occasional patch or angular blob up to 15 cm, also up to 3% calcite- quartz veining, weak silicification in chlorite patches, < 1% sulphides, occasionally brecciated with chlorite, sericite or calcite cement								
		- 69.5 to 72.8 (end of interval) gradually becomes more sheared, have 20 cm of broken pebbles, then 20 cm fairly competent, 20 cm of schist, then well sheared basalt which is lighter grey to beige								
		- SAMPLE FX 486554 - intense pervasive chloritization, 15% calcite-quartz veining, up to 5% sericite veining, < 1% sulphides								
		- SAMPLE FX 486555 - relatively unaltered, patchy chlorite (5%), weak silicification, 1 to 2% calcite-quartz veining, 2 to 3% wispy sericite, < 1% sulphides								

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
		<ul style="list-style-type: none"> - SAMPLE FX 486556 - moderate patchy chloritization (40%), 8% calcite-quartz veining, < 1% sulphides, moderate to intense silicification in chlorite patches - SAMPLE FX 486557 - lower contact zone, sheared, bleached, fractured, 8% calcite veins, < 1% sulphides - recovery = 95% 								
72.80	75.10	MUDSTONE								
		<ul style="list-style-type: none"> - FAULT ZONE - 57% BLACK MUDSTONE, 20% VOLCANICS, 10% SILICIFIED SEDIMENTS, 3% GREY CLAYEY GOUGE, 10% CALCITE-QUARTZ VEINING - intensely sheared, pulverized interval, contacts are gradational into sheared basalt at both ends - shear planes and contacts at 40 degrees to core axis - volcanic rock is bleached, grey-beige, clay altered, no chlorite - recovery = 78% 	72.80	75.10	NS	-	-	-	-	-
75.10	78.60	BASALT								
		<ul style="list-style-type: none"> - FAULT ZONE - BASALT - quite sheared, bleached to light beige-grey, moderately clay altered - no chlorite, no silicification, 5 to 7% calcite veining - bottom 2 m is fractured to platy chips of core - recovery = 77% 	75.10	76.10	FX486558	64	80	12	0	0
			76.10	78.60	NS	-	-	-	-	-

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLE#	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
78.60	91.30	GABBRO								
		- GABBRO SILL	78.60	80.00	NS	-	-	-	-	-
		- light to medium grey, fairly homogeneous, fine-grained with weak, faint salt and pepper texture - not as strong as sills in hole 87028	80.00	81.00	FX486559	59	64	4	0	0
		- top 0.5 m chill margin is beige, gradually becomes coarser-grained towards centre of sill	81.00	91.30	NS	-	-	-	-	-
		- 2 to 3% white calcite veining at 55 degrees to core axis								
		- core is fairly soft, weakly clay altered								
		- weak chloritization of mafic minerals, weak sericitization of plagioclase minerals, no silicification, < 1% fine-grained, disseminated sulphides								
		- moderately to quite fractured, but variable, pieces up to 25 cm long								
		- lower contact is chilled and bleached over 0.8 m, with some xenoliths of underlying silicified sediments								
		- lower contact is an irregular surface, and is at 70 degrees to core axis								
		- recovery = 95%								
91.30	92.90	BASALT								
		- MIXED ZONE OF BASALT AND CHERT	91.30	92.90	FX486560	5	20	0	0	0
		- fragments and large blobs of green,								

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
		chloritized, sericitized, silicified basalt in amorphous, slightly translucent chert - may be zone of hyaloclastite or inter-pillow chert - chert is micro-fractured, but healed with quartz and/or calcite or grey- green mineral - chlorite and/or sericite - 5% white calcite veining at 60 degrees to core axis - << 1% sulphides, mainly on fracture surfaces - upper and lower contacts are sharp at 75 and 60 degrees, respectively - recovery = 100%								
92.90	96.40	GABBRO								
		- GABBRO SILL OR MAY BE FINE-GRAINED	92.90	94.00	NS	-	-	-	-	-
		BASALT FLOW	94.00	95.00	FX486561	43	72	8	0	0
		- variable grain size from aphanitic to fine-grained - upper contact is sharp and has a 2 cm slightly bleached, weakly clay altered zone - chill margin? - 5% white calcite veinlets, generally parallel to contact - 1 to 2% chlorite veining, 5% sericite veinlets and sericitization of plag - < 1% pyrite as coatings on fracture surfaces - interval is fairly competent, pieces	95.00	96.40	NS	-	-	-	-	-

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
		2 to 20 cm long								
		- sill has much more calcite and quartz veining and is not as coarse-grained as gabbro sills higher in the hole								
		- recovery = 94%								
96.40	120.20	FAULT								
		- INTENSELY, BRITTLY FRACTURED	96.40	97.40	FX486562	46	24	2	0	0
		VARIABLY SILICEOUS SEDIMENTS (CHERT AND SILTSTONE)	97.40	100.00	NS	-	-	-	-	-
		- upper contact is a sharp bedding contact at 60 degrees to core axis	100.00	102.00	FX486563	59	54	8	0	0
		Top 30 cm is fairly competent, light blue-grey chert with 3 to 5% chlorite	102.00	104.00	FX486564	42	46	4	0	0
		- remainder of interval is shattered, with 90% angular, pebble sized chert or silicified sediment fragments	104.00	106.00	FX486565	24	48	8	0	0
		- this fault zone was very hard on drill bits, wore-out 1 HQ bit in 20 feet - interval is mixed chert (or silicified sediments) with silica rich mafic volcanics	106.00	107.00	FX486566	31	38	4	0	0
		- mafic volcanic portions tend not to be silicified, but are soft, sericitized and clay altered	107.00	111.00	NS	-	-	-	-	-
		- from 96.7 to 99.4 is beige-grey volcanic	111.00	112.00	FX486567	59	52	12	0	0
		- 99.4 to 107.0 is dark grey, variably silicified mudstone/siltstone pebbles, with up to 2 to 3% pyrite as fracture fillings and 3% quartz veins,	112.00	115.00	NS	-	-	-	-	-
			115.00	116.00	FX486568	39	58	12	0	0
			116.00	120.20	NS	-	-	-	-	-

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
		<p>3 to 5% sericite veins and NO calcite</p> <ul style="list-style-type: none"> - at 102.0 m bedding is 45 degrees to core axis - from 107.0 to 120.2 m becomes more rhythmically banded, mixed light grey silica-rich rock and light green-grey sericite-rich rock - silica-rich bands are up to 15 cm wide, sericite-rich bands up to 10 cm - silica-rich rock may be chert or silicified sediments and has 5 to 10% fracture fillings of a dark green mineral (chlorite?) - sericite-rich rock is 70 to 80% sericite and is probably altered basalt - this interval has < 1% pyrite as fine-grained disseminations and occasional fracture fillings, and NO calcite veining - bedding at 115.2 m is 50 degrees to core axis - at 110.9 m REDUCED FROM HQ TO NQ <p>Recovery = 55%, recovery was better with NQ in broken ground - pebbles stayed in core tube when drilling and pulling tube</p>								
120.20	128.20	GABBRO								
		- light grey, medium grained, fairly homogeneous, with faint salt and pepper Texture	120.20	127.00	NS	-	-	-	-	-
		- pervasively altered, mafics are chloritized, plagioclase is sericitized	127.00	128.00	FX486569	17	66	4	0	0
			128.00	128.20	NS	-	-	-	-	-

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
		<p>and epidote and clay altered, < 1% chlorite veins and margins on ca veins</p> <ul style="list-style-type: none"> - 1% calcite veining at 50 degrees to core axis - 1% wispy sericite stringers, << 1% very fine-grained, disseminated pyrite - up to 3% translucent, light grey veins < 3 mm wide, when powdered reacts - reacts with HCl, believed to be anhydrite/gypsum - fairly competent, pieces 3 to 20 cm long - top contact is chilled for 20 cm - light beige-grey, aphanitic to fine-grained, quite fractured and sheared, cannot get contact orientation - bottom contact is chilled for 30 cm and is at 80 degrees to core axis 								
128.20	139.30	FAULT								
		- MIXED VARIABLY SILICIFIED MUDSTONE AND MAFIC VOLCANICS	128.20	133.40	NS	-	-	-	-	-
		- interval is brittly fractured to angular pebble-sized fragments to a maximum of 8 cm, fractures at various angles to core axis	133.40	134.40	FX486570	76	118	20	0	0.4
		- from 128.2 to 130.8 m is mixed light green-grey, sericitized volcanic (60%) and light grey, translucent chert (40%)	134.40	139.30	NS	-	-	-	-	-
		- chert bands are up to 10 cm wide, sericitized volcanics are up to 20 cm								
		- chert has numerous chlorite and/or soft white clay filled micro-fractures								

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
		<ul style="list-style-type: none"> - up to 0.5% pyrite as very fine-grained cubes in chloritic micro-fractures - at 129.4 m bedding is at 45 degrees to core axis - volcanic sections are intensely sericitized, with 10% chlorite wisps - NO calcite through complete interval has - 130.8 to 136.4 m is mixed, but has 25% sericitized volcanics, 25% chert Si/Seds, and 50% variably siliceous dark grey to black siltstone - volcanic beds to 1 m wide, chert to 1 m wide, black mudstone to 0.5 m - volcanics are intensely altered, 60% sericitized with rare chlorite wisps, minor epidote replacing plagioclase, and << 1% fine-grained pyrite - chert is amorphous, bedded, with numerous chlorite and sericite filled micro-fractures and up to 1% pyrite as very fine-grained fracture fillings - mudstone/siltstone has 1% fine-grained disseminated pyrite and occasional graphite on fracture surfaces - bedding is good where rock is more silty - at 135.9 m bedding is at 50 degrees to core axis - fracture zone ends abruptly at 139.3 m, from there down rock is much more 								

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
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competent

139.30 150.00 BASALT

- MIXED CHERT AND PILLOW BASALT	139.30	141.00	NS	-	-	-	-	-	-	-
- same as above interval, but not fractured, no shearing	141.00	142.00	FX486571	36	44	4	0	0		
- approximately 45% chert, 50% volcanic, 5% siltstone	142.00	148.00	NS	-	-	-	-	-	-	-
- chert portions are 20 to 60 cm wide, volcanic portions 10 to 80 m wide	148.00	149.00	FX486572	78	84	12	0	0		
- chert is light to medium grey, amorphous, no bedding evident, and slightly translucent, much less micro-fractures than chert above	149.00	150.00	NS	-	-	-	-	-	-	-
- micro-fractures filled with sericite and clay										
- << 1% very fine-grained sulphides										
- mafic volcanic is light grey-green, aphanitic matrix with 10 to 15% medium green, chloritized mafic phenocrysts up to 1 mm long										
- volcanic is soft, weak to moderately pervasively clay/sericite altered < 1% chlorite veinlets, 2 to 5% sericite wisps and << 1% vfg pyrite										
- basalt has 0.5 to 1 cm chill margins, margins are rounded, wavy and wispy										
- contacts are sharp, little to no silicification of basalt										
- looks like pillow basalt has intruded unconsolidated silica ooze as pillows and irregular blobs										

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
		- late calcite veining (2 to 3%) cutting both rock types are up to 2 mm - also 1 to 2% anhydrite veinlets < 1 mm wide - at 148.0 to 148.5 m have bedded dark grey siltstone - bedding at 45 degrees to core axis, bounded on both sides by chert - SAMPLE FX 486571 - mixed chert and basalt - SAMPLE FX 486572 - 0.5 m of siltstone, 0.2 m of chert, 0.3 m of basalt								
150.00	162.20	FAULT								
		- FAULT ZONE - BLACK SILICIFIED MUDSTONE/SILTSTONE	150.00	159.50	NS	-	-	-	-	-
		- variably siliceous, from light grey, intensely silicified to dark grey to black less silicified sediments	159.50	160.50	FX486573	42	58	12	0	0.2
		- top 0.5 m is fairly competent, light grey siliceous sediments with 3% sericite along bedding planes and << 1% very fine-grained pyrite - 150.5 to 157.9 is fractured to angular pebble-sized fragments of predominantly dark grey silicified siltstone with NO calcite, 1% quartz veins with a light pale yellow clayey mineral and < 1% very fine-grained pyrite - 157.9 to 160.2 is more competent,	160.50	162.20	NS	-	-	-	-	-

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEÉ	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
		pieces up to 12 cm long, medium to dark grey with sulphide filled micro-breccia veinlets < 1mm wide at 160.0 m and 160.2 m (FX 486573)								
		- 160.2 to 162.2 is mixed dark grey and light grey siltstone and is fractured to pebbles								
		- lower contact is fractured and at 60 degrees to core axis								
		- recovery = 52%								
162.20	165.70	BASALT								
		- BASALT FLOW OR GABBRO SILL	162.20	164.00	NS	-	-	-	-	-
		- contacts are chilled, light grey, finer-grained and bleached for up to 1 m, have 5 to 8% very fine-grained dark green spots in a soft, clay altered, weakly sericitized margin	164.00	165.00	FX486574	69	62	6	0	0
		- becomes medium grey-green and slightly coarser-grained towards centre	165.00	165.70	NS	-	-	-	-	-
		- < 1% chlorite wisps throughout and 1 to 2% calcite veinlets (1 per 15 cm) and << 1% sulphides								
		- both contacts are fractured and cannot get orientation								
		- recovery = 97%								
165.70	177.20	SILTSTONE								
		- FRACTURED, SILLICIFIED SILTSTONE	165.70	166.70	FX486575	62	52	8	0	0
		- moderately fractured, pieces 1 t 15 cm long, occassional narrow section (up to 0.5 m wide) of angular pebbles, fractures at 30 to 90 degrees to core	166.70	167.70	FX486576	68	46	14	0	0.2
			167.70	168.70	FX486577	57	64	16	0	0.2
			168.70	172.80	NS	-	-	-	-	-
			172.80	173.90	FX486578	65	44	18	0	0

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
		axis, coated with clay and sericite (1%)	173.90	176.20	NS	-	-	-	-	-
		- light to medium grey, weakly bedded, numerous micro-fractures with 0.2 mm bleached margins, occasionally filled with sericite, rarely with pyrite	176.20	177.20	FX486579	85	86	10	0	0
		- at 167.7 m and 173.8 m bedding is 30 degrees to core axis								
		- 167.5 to 168.0 m have 2% pyrite fracture filling								
		- from 172.9 to 173.8 m have 1 to 2 mm wide pyrite-sericite rich beds (FX 486578)								
		From 173.8 to 177.2 m have 2% fine-grained pyrite fracture filling, core is slightly more competent with 5 to 10% basalt and is slightly more sericitic, with 1 to 2% calcite veinlets and fracture fillings								
		- 3 mm very fine-grained sulphide-rich band at 176.6 m (FX 486579)								
		- bottom contact is sharp, but wavy, at 30 degrees to core axis - bedding contact								
		- recovery = 83%								
177.20	183.70	BASALT								
		- BASALT FLOW as in interval from 162.2 to 165.7 m	177.20	183.70	NS	-	-	-	-	-
		- chilled top and bottom margins are aphanitic, light grey-biege, with 2 to 10%, < 1 mm mafic phenocrysts in a soft light brown clayey matrix								

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
		- grades inward to fine-grained centre with < 1 mm mafic and plagioclase phenocrysts								
		- interval has 1 to 3% calcite veining to 0.5 cm wide, 1% chlorite veining, 2% sericite veining, and << 1% very fine-grained disseminated sulphides								
		- bottom contact is at 30 degrees to core axis								
183.70	184.60	*****								
		- MIXED CHERT AND PILLOW BASALT	183.70	184.60	NS	-	-	-	-	-
		- interflow/pillow chert with rounded blobs of basalt								
		- pillows are aphanitic, light grey to green with 10%, < 2 mm dark spots around rim for 0.5 cm								
		- spots are comprised of chlorite and pyrite								
		- < 1% pyrite, 5% calcite veining								
		- has appearance of basalt intruding an unconsolidated silica ooze								
		- lower contact is irregular, rough, sedimentary contact								
184.60	238.00	BASALT								
		- BASALT FLOW OR PILLOWED?	184.60	197.00	NS	-	-	-	-	-
		- light grey, fairly homogeneous and massive, fine-grained to aphanitic	197.00	198.00	FX486580	42	72	4	0	0
		- up to 1% chlorite veining, 3 to 5% white, calcite veining up to 1 cm	198.00	217.60	NS	-	-	-	-	-
		wide, predominantly at 40 degrees to core axis	217.60	219.20	FX486581	11	72	4	0	0
			219.20	233.80	NS	-	-	-	-	-
			233.80	234.60	FX486582	32	44	0	0	0
			234.60	238.00	NS	-	-	-	-	-

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
		<ul style="list-style-type: none"> - << 1% pyrite as very fine-grained disseminations and in chlorite veins - interval is fairly competent, pieces average 10 cm long, fractures at 50 degrees to core axis - upper contact is 5 cm of light grey, aphanitic ***** zone, slightly brecciated - looks like flow top breccia or pillow breccia - have another flow top or pillow breccia at 197.4 and 199.4 m - flow tops are lighter grey, aphanitic, with calcite cement, and grade downwards fine-grained, light to medium grey - fine-grained portions have 15 to 20% plagioclase grains < 0.2 mm, and 3 to 5% chloritized, mafic grains < 0.2 mm - from 209.1 to 209.7 m have chert/siltstone inter-flow/pillow material - is very siliceous, varies from dark grey and silty for first 10 cm to 20 cm of light grey to white chert, then 40 cm of dark grey, siliceous siltstone with 2% calcite veining - at 209.8 m bedding is at 45 degrees to core axis - at 208.9 to 209.1 m flow top/pillow rim, chilled light grey, slightly brecciated with calcite, sericite at contact - from 209.7 m basalt texture, color 								

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
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and alteration intensity become much more variable

- varies from light grey, homogeneous and massive, as above, to slightly porphyritic with up to 20% dark grey-green mafic phenocrysts which occasionally being flow banded (at 212.5 and 212.7 m)

- also get zones of intense calcite veining with bleaching and sericitization, and locally with up to 5% pyrrhotite over 20 to 30 cm

- at 213.0 to 213.4 m have 5% pyrrhotite in a calcite/sericite vein
- at 217.6 to 219.2 m have 20% wavy, irregular calcite veining and sericitization or matrix, with weak patchy chloritization

- also, at 220.8 to 223.5 m have abundant calcite-sericite veining with minor chlorite

- between intensely altered zones basalt is aphanitic to fine-grained, light grey

- from 220.0 to 237.0 m core becomes more fractured with pieces < 1 to 10 cm long

- from 230.0 to 230.9 m have calcite-sericite veining

- 230.9 to 233.8 is slightly porphyritic, similar to porphyritic basalt xenoliths in the gabbro sills in holes 87028 and 87029

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
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- 233.8 to 234.6 and 235.1 to 235.9 m is intensely chloritized, dark green, with 10% quartz veining in brecciated volcanic/siltstone - hyaloclastite or inter-pillow breccia

- bottom 0.5 m is intensely chloritized to dark green with 15% calcite veins running perpendicular to contact (ie away from gabbro)

- lower contact is not sharp, chloritized, and slightly gradational due to baking of basalt

- contact is at 40 degrees to core axis

238.00 242.20 GABBRO

- light to medium grey, variable grain size from fine-grained to porphyritic with mafic phenocrysts to 2 mm, to fairly equigranular, medium -grained with salt and pepper texture

- weak pervasive alteration, minor chloritization of mafic minerals, no silicification, < 1% calcite veining, << 1% sulphides

- lower contact is sharp and marked by a 3 cm chill margin (light grey - bleached) and a 0.5 cm calcite-sericite margin

- lower contact at 70 degrees to core axis

238.00	239.00	NS	-	-	-	-	-	-	-
239.00	240.00	FX486583	15	82	4	0	0	0	
240.00	242.20	NS	-	-	-	-	-	-	

242.20 253.90 BASALT

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
		- as in basalt from 184.0 to 238.0 m - fairly homogeneous, light to medium grey, fine-grained with occasional patch up to 2 cm in diameter of medium-grained basalt with salt and pepper texture (gabbro?) - < 1% calcite veining, << 1% sulphides - weak to no alteration, minor chloritization of mafics - weak flow banding of mafic minerals from 246.0 to 248.0 m - at 252.8 m have a 1 mm pyrrhotite vein with chlorite margins - 2 cm of chert at 253.7 m - lower contact is sharp at 80 degrees to core axis	242.20	253.90	NS	-	-	-	-	-
253.90	256.70	*****								
		- INTERFLOW/PILLOW CHERT	253.90	254.90	FX486584	138	24	4	0	0
		- varies from dark grey to medium beige-grey, mottled with chlorite, calcite and pyrrhotite (trace of cp) filled micro-fractures	254.90	255.70	FX486585	288	32	8	0	0
		- at 254.7 m bedding is 80 degrees to core axis - 2 to 4% pyrrhotite, pyrite, and trace of chalcopyrite as fracture fillings - 3 to 5% calcite veining - dark grey-green alteration in micro-fractures also alters wall rock as a up to 3 cm rim	255.70	256.70	NS	-	-	-	-	-

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
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- also have bleaching of occasional fracture rim for up to 1 cm
- lower contact is sharp, slightly baked - recrystallized, and marked by a 2 mm calcite veinlet and is at 75 degrees to core axis

256.70 271.00 BASALT

256.70	271.00	BASALT	256.70	271.00	NS	-	-	-	-	-
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- as in interval from 242.2 to 253.9
- light to medium grey-green, varies from predominantly aphanitic to fine-grained with 10 to 20 cm blobs of medium-grained material - looks like gabbro blobs in basalt
- 1% calcite veinlets with occasional chlorite in calcite
- weak pervasive sericitization and wispy sericitic veining, and spotty chloritization of mafic minerals
- << 1% sulphides as fracture fillings
- lower contact gradually becomes fine-grained and lighter beige color
- contact is a bedding contact and is gradational into underlying seds
- contact/bedding at 35 degrees to core axis
- recovery = 96%

271.00 279.80 SILTSTONE

271.00	279.80	SILTSTONE	271.00	272.00	FX486586	310	332	2	0	0
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- grades from siltstone at top to mudstone at bottom
- gradual decrease in grain size down hole

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
		<ul style="list-style-type: none"> - siltstone is laminated with alternating bands of light grey and dark grey, are 2 mm wide, with 20% calcite cement - mudstone is massive and black, with 10 to 15% calcite in matrix and is slightly graphitic on fracture surfaces (explains Maxmin conductor) - at 271.1 m bedding is 33 degrees to core axis - interval contains up to 1% pyrite in calcite veins and as coatings on fracture surfaces - recovery = 78% - hole shut down at target depth 	272.00	279.80	NS	-	-	-	-	-

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
0.00	17.80	CASING - galcial till, lots of boulders	0.00	17.80	NS	-	-	-	-	-
17.80	18.60	BASALT - uncertain whether bedrock or a boulder - interval is comprised of 1 piece 10 cm long, 1 piece 20 cm long and a few chips of core at the lower contact - dark green, intensely chloritized, moderately silicified with 2% wispy calcite veinlets and up to 1% disseminated pyrite - the intensity of chlorite alteration is similar to the alteration zone - lower contact is ground-up, cannot get orientation	17.80	18.60	NS	-	-	-	-	-
18.60	19.20	GABBRO - medium grey-green, equigranular, medium-grained and fairly homogeneous - limonite stained on fracture surfaces - < 1% disseminated pyrite - both contacts are ground-up, but no chill margin evident, cannot get orientation - recovery = 60%	18.60	19.20	NS	-	-	-	-	-
19.20	19.90	BASALT - same as basalt from 17.8 to 18.2 m - dark green, intensely chloritized pillow basalt, has rounded, light grey	19.20	19.90	NS	-	-	-	-	-

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
		sericitic pillow rims with chlorite veinlets between pillows - < 1% very fine-grained pyrite - interval is fairly competent - lower contact is quite fractured, but at 80 degrees to core axis - recovery = 86%								
19.90	20.10	GABBRO - same as gabbro sill at 18.6 to 19.2 m - weak chill margin at top contact for 1 cm, slightly bleached - 2 cm from upper contact have a 2 cm white calcite vein at 30 degrees to core axis - < 1% disseminated pyrite - lower contact is sheared and clay altered, cannot get orientation - grades into fault gouge - recovery = 90%	19.90	20.10	NS	-	-	-	-	-
20.10	40.50	BASALT - varies from light grey clay gouge at top 0.5 m to medium grey-green for next 6 m to light to medium grey to bottom - basalt is altered by gabbro above, below clay gouge have 2 m moderately pervasively chloritized and silicified - has numerous micro-fractures filled with wispy sericite and with a < 1mm bleached margins and 1% quartz and clay	20.10	40.50	NS	-	-	-	-	-

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
		veining								
		- < 1% disseminated pyrite								
		- at 22.2 m reduced to HQ								
		- from 23.0 to 23.3 m have 1 cm rounded pebbles in a fault zone, recovery = 40%								
		- faulted rock has been ground-down by drilling								
		- from 23.3 to 27.1 core is moderately competent, pieces up to 20 cm long, recovery = 85%, slightly brecciated and laminated at 23.5 m								
		- interval grades downward to less chloritized and less silicified, is much softer, clay altered, pitted and weathered with white clay mineral filling fractures								
		- < 1% very fine-grained disseminated pyrite								
		- occasional chlorite wisps < 1 mm wide								
		- from 27.1 to 30.0 core is ground-up to angular, pebbles 1 to 4 cm round (recovery = 28%)								
		- pebbles of core are light to medium grey, slightly silicified with a clay matrix and contains << 1% pyrite								
		- from 30.0 to 37.5 m core is moderately fractured, pieces 1 to 15 cm long, light grey, soft, clay altered and bleached								
		- NO calcite, 1% quartz veining, < 1% very fine-grained disseminated pyrite								

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLE#	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
		- from 35.1 to 36.5 m core is bleached, clay altered basalt dike with 1% chlorite veinlets								
		- from 37.5 to 40.5 is intensely fractured, pieces < 3 cm long with 3% quartz veining, NO calcite, < 1% pyrite								
		- lower contact is ground to pebbles, cannot get orientation								
40.50	47.20	SILTSTONE								
		- dark grey to black with 5% light grey to white, calcite rich, boudinaged layers which occur as .5 cm white spots throughout interval	40.50	45.20	NS	-	-	-	-	-
		- light grey spots contain 5 to 10 % calcite and are more concentrated concentrated towards bottom contact	45.20	46.20	FX486587	290	48	8	0	0
		- interval has < 1% calcite stringers < 1 mm wide	46.20	47.20	FX486588	337	48	2	35	0.2
		- up to 5% pyrite stringers with pyrite occurring as small (<.5 mm) rounded								
		Spots lined-up in a row (within and cross cutting bedding planes) - looks like recrystallized syn-sedimentary pyrite								
		- pyrite also occurs as aphanitic, dark brown-grey masses in bedding planes								
		- at 46.7 m bedding = 40 degrees to core axis								
		- interval is more silty than muddy								
		- interval is variably fractured from								

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
		pebbles < 2 cm round to pieces 10 to 15 cm long - lower contact is fractured and cannot get orientation - recovery =61%								
47.20	70.70	BASALT								
		- fine-grained, equigranular, variably altered	47.20	52.00	NS	-	-	-	-	-
		- less altered portions are medium grey with weak pervasive chloritization of mafic minerals, sericite/clay alteration of plagioclase minerals	52.00	53.00	FX486589	11	66	8	0	0.4
		- more intensely altered zones are light beige-grey, soft, intensely clay altered with 1% chlorite wisps and up to 3% sericite	53.00	68.20	NS	-	-	-	-	-
		- clay altered zones are more fractured, pieces < 10 cm long	68.20	69.20	FX486590	74	66	14	0	0
		- interval has 2% quartz-calcite veining, << 1% disseminated pyrite and 1 to 2% chlorite veining	69.20	70.70	NS	-	-	-	-	-
		- fractures are coated with clay								
		- sample FX 486590 is of bleached, clay altered basalt, with no sulphides								
		- overall, the interval is fairly competent, pieces up to 30 cm long								
		- from 70.2 to 70.7 m at lower contact becomes intensely bleached and clay altered, soft and fractured towards intrusive contact								
		- lower contact at 52 degrees to core axis, some altered basalt xenoliths in								

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
		top 15 cm of gabbro - recovery = 98%								
70.70	71.40	GABBRO - Gabbro sill or dike? - grades from fine-grained, light grey-green at contacts to medium-grained, medium grey-green in centre - chilled margins are soft and clay altered with xenoliths of host rock at each contact - gabbro has weak chloritization of mafic minerals and 1 to 2% chlorite veining with < 1% pyrite (po?) in chlorite - 2 to 3% sericite wisps - lower contact is irregular intrusive contact and at a high angle to the core axis - 1 mm calcite-quartz-clay-pyrite vein at contact	70.70	71.40	NS	-	-	-	-	-
71.40	72.80	***** - light to medium brown-grey with 10% micro-fractures with 2 mm bleached margins - micro-fractures are filled with a dark grey-green mineral, chlorite? - fractures are also filled with a soft, waxy, white mineral - clay mineral? and occasionally filled with pyrite	71.40	72.80	NS	-	-	-	-	-

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
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- overall < 1% pyrite
- lower contact is marked by 20 cm of soft, light beige-grey, clay altered volcanic (tuff?) with an irregular, rough top contact and sharp lower contact
- contact at 85 degrees to core axis

72.80 76.00 SILTSTONE

- varies from dark grey and aphanitic to medium grey and fine-grained
- 15% light grey to white bands and contorted blobs calcite-rich clastic with soft sediment deformation features
- folding, boudinage
- calcite-rich bands are regularly spaced and weakly parallel to bedding
- at 74.8 m bedding is 55 degrees to core axis
- at 74.3 to 74.6 m chert bed
- interval has up to 1% very fine-grained disseminated to weakly bedded pyrite, tends to concentrate in pyrite rich beds up to 1 cm wide, and occurs with calcite-rich beds
- siltstone becomes bleached and lighter grey-beige toward gabbro contact
- contact is rough, intrusive contact at 80 degrees to core axis

72.80 76.00 NS - - - - -

76.00 77.50 GABBRO

- light to medium grey, grades from

76.00 76.50 NS - - - - -

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
		aphanitic to fine-grained at contacts	76.00	77.50	NS	-	-	-	-	-
		to medium-grained in centre	76.50	77.50	FX486591	158	70	4	0	0
		- chill margins are 20 cm wide, soft, clayey and light grey-beige								
		- 1% wispy sericite stringers								
		- at 77.2 m have a 1 cm wide, vuggy quartz-pyrite-calcite vein with clay altered margins up to 3 cm into wallrock (FX 486591)								
		- gabbro has bleached, but not silicified siltstone at contacts								
77.50	88.70	SILTSTONE								
		- same as interval from 72.8 to 76.0 m	77.50	76.00	NS	-	-	-	-	-
		- medium to dark grey with 10% light grey, boudinaged, deformed, calcite rich laminations and blebs	77.50	78.40	NS	-	-	-	-	-
			78.40	79.40	FX486592	66	94	6	0	0
		- 1 to 3% calcite veining, up to 1% disseminated and weakly bedded pyrite	79.40	84.50	NS	-	-	-	-	-
			84.50	85.50	FX486593	83	36	4	0	0
		- tuffaceous siltstone from 78.4 to 78.8 m, 80.0 to 80.5 m and 81.0 to 81.3 m	85.50	88.70	NS	-	-	-	-	-
		- tuffaceous siltstone is light beige-grey, slightly softer, clay and sericite altered with up to 1.5 % pyrite								
		- tuffaceous portions may be small pillow lobes in sedimentary pile								
		- SAMPLE FX 486592 - 40% tuffaceous siltstone, 60% siltstone, 2% pyrite								
		- from 84.7 to 85.2 have 2 to 3% disseminated pyrite and pyrite blebs								
		- from 88.3 to 88.7 core becomes much								

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
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finer-grained, homogeneous and
slightly brownish towards lower contact
- contact zone is brecciated and at 35
degrees to core axis

88.70 147.00 *****

- MIXED CHERT AND PILLOW BASALT	88.70	99.00	NS	-	-	-	-	-	-	-
- from 88.7 - 90.4 bas, to 90.7 siltstone, to 91.6 gabbro, to 95.1 pillow bas, to 95.2 chert, to 96.1 bas, to 100.4 chert with quartz-pyrite vein at 96.6 m (FX 486594), to 101.3 bas, to 106.0 chert, to 106.3 bas, to 110.4 chert, to 110.8 bas, to 111.0 chert, to 111.9 bas, to 112.4 chert, to 113.3 bas, to 114.4 chert, to 115.0 bas, to 115.2 chert, to 117.0 basalt, to 118.6 chert, to 118.8 bas, to 120.5 chert, to 121.3 bas, to 125.1 bas, to 125.8 chert, to 127.1 bas, to 130.3 chert, to 130.4 bas, to 130.7 chert, to 131.3 bas, to 132.2 chert, to 132.7 bas, to 133.7 chert, to 134.1 bas, to 136.7 chert, to 137.0 bas, to 137.7 chert, to 138.2 bas, to 138.6 chert , to 139.4 bas, to 140.1 chert, to 141.5 bleached, clay altered, soft, fault gouge, to 141.7 chert, to 142.4 bas, to 144.1 chert, to 146.1 bas, to 147.0 chert	99.00	100.00	FX486594	84	36	6	0	0		
	100.00	133.50	NS	-	-	-	-	-	-	-
	133.50	134.50	FX486595	6	30	4	0	0		
	134.50	147.00	NS	-	-	-	-	-	-	-
- chert is amorphous, not bedded, and is not silicified sediments or volcanics, and contains < 1%										

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
		disseminated pyrite								
		- at many pillow basalt rims have pillow breccia surrounded by chert								
		- good chill margins evident on pillows								
		- pillow basalt is weakly clay altered at margins, minor chloritization in cores, occasional sericite stringer, < 1% disseminated pyrite								
		- pillows have formed by mafic volcanic intrusion into an unconsolidated silica ooze								
		- this interval is similar to that intersected in hole 87031 at 139.3 to 150.0 m								
		- at bottom contact chert grades into underlying siltstone								
		- recovery = 98%								
147.00	153.20	SILTSTONE								
		- top 0.5 m is very siliceous	147.00	148.50	NS	-	-	-	-	-
		- dark grey siltstone, similar to interval from 40.5 to 47.2 m	148.50	149.50	FX486596	136	68	2	0	0
		- has 5% light grey, calcite-rich, brecciated, boudinaged layers and blebs	149.50	150.50	FX486597	144	42	2	0	0
		- 5% micro-fractures filled with < 0.5% calcite veins with 1 to 2 mm bleached margins	150.50	151.60	FX486598	1525	540	12	0	1.8
		- up to 1% disseminated fine-grained pyrite (recrystallized syn-sedimentary pyrite)	151.60	153.20	NS	-	-	-	-	-
		- 1 to 3% pyrite veins and blebs in quartz-calcite veins								

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
		- at 151.5 m have a 2 cm wide breccia zone with a vuggy, pyrite-calcite-quartz filling (FX 486598)								
		- silicification increases towards lower contact								
		- lower contact/bedding at 40 degrees to core axis								
153.20	162.00	*****								
		- MIXED PILLOW BASALT AND CHERT, similar to interval from 88.7 to 147.0	153.20	154.50	FX486599	100	188	150	0	0.4
		■	154.50	155.50	FX486600	260	162	8	0	0.4
		- 60% chert, 40% basalt	155.50	156.50	FX486601	413	1560	8	0	1
		- chert beds 5 cm to 1 m wide, basalt 2 to 20 cm wide	156.50	157.50	FX486602	862	498	12	0	1.4
		- top 1 m of chert is medium grey-brown with up to 1% sulphide veining, 1% calcite veining	157.50	158.50	FX486603	1230	2460	16	0	2
		- gradually becomes lighter grey-brown, fractured and clay altered mixed basalt and chert from 154.3 m	158.50	159.50	FX486604	423	124	12	0	0.4
		- chert is light grey-brown, basalt is intensely bleached, soft and comprised predominantly of clay and sericite	159.50	160.00	NS	-	-	-	-	-
		- the intensely clay altered zone has 5% pyrite veins and fracture fillings with traces of chalcopyrite	160.00	165.50	NS	-	-	-	-	-
		- at 155.6 m have a 10 cm band of vuggy quartz-pyrite-chalcopyrite with 50% sulphides, in clay altered chert and basalt								
		- elsewhere in the interval have 3%, 1 to 2 mm wide quartz-pyrite chlorite								

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
		veinlets								
		- clay altered portions contain approximately 0.5% very fine-grained disseminated pyrite and 1 to 3% chlorite wisps								
		- interval gradually becomes less altered from 160.0 to 162.0 m								
		- goes from light beige-grey to light to medium green-grey, becomes harder, less clayey and more competent								
162.00	184.10	BASALT								
		- BASALT FLOW	165.50	166.50	FX486605	19	62	0	1120	0
		- much less altered than above zone, more competent	166.50	178.00	NS	-	-	-	-	-
		- up to 5% calcite veining, 2 to 3% wispy chlorite and up to 5% sericite/clay wisps	178.00	179.00	FX486606	9	50	4	0	0
		- aphanitic to fine-grained to slightly porphyritic	179.00	184.10	NS	-	-	-	-	-
		- overall << 1% very fine-grained pyrite								
		- at 165.5 to 166.8 m is intensely clay altered, soft and fractured with a 4 cm wide calcite-pyrite-clay vein at 165.8 m (FX 486605)								
		- at 168.8 to 169.8 m is brecciated with sericitic-clay matrix								
		- at 175.9 m have a 15 cm wide breccia zone with chlorite-calcite matrix								
		- SAMPLE FX 486606 - characterization sample at 178.0 to 179.0 m								

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLE#	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
184.10	205.70	***** - MIXED CHERT AND BASALT - similar to intervals from 88.7 to 147.0 m and from 153.2 to 160.0 m - pillow basalt varies from aphanitic to fine-grained at rims to slightly porphyritic in cores with mafic phenocrysts to 1 mm - very weakly altered, minor chloritization of mafic minerals, 1 to 3% sericite wisps and 3% calcite veining - no clay alteration - up to 1% pyrite, mostly in chert beds as disseminations and veinlets - from 198.8 m chert beds becomes silty, medium grey, and from 201.0 m have calcite-rich, white patches and boudinaged beds in siliceous siltstone HOLE SHUT DOWN - BEYOND MAXMIN TARGET	184.10	205.70	NS	-	-	-	-	-

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
0.00	14.00	OVERBURDEN - casing through 14.0 m of boulder-rich glacial till - OVERBURDEN CASED WITH PLASTIC PVC PIPE	0.00	14.00	NS	-	-	-	-	-
14.00	74.00	GABBRO - from 14.0 to 18.3 m is quite fractured, rounded and angular pebbles, pieces < 5 cm long - pervasively chloritized, 5% wispy sericite stringers, < 1% calcite veinlets and < 1% pyrite fracture fillings - from 18.3 to 20.1 m is less fractured, pieces 10 to 20 cm long, is also pervasively chloritized to medium green, moderately sericitized, 1% calcite veining with chlorite-pyrite margins, contains up to 1% pyrite - FAULT ZONE from 20.1 to 28.0, core is much less chloritized, gradually becomes light grey in top 1 m, is quite fractured, pieces < 15 cm long, from 21.9 to 28.0 pieces are <8 cm angular pebbles - fault zone is bleached, clay and sericite altered with 2 to 3% calcite veining, 1 to 5% sericitic wisps and 2% disseminated pyrite in chloritized mafic phenocrysts -bleaching continues down to 29.5 m, where it ends sharply to weakly	14.00	32.00	NS	-	-	-	-	-
			32.00	33.00	FX486607	13	74	8	0	0
			33.00	37.00	NS	-	-	-	-	-
			37.00	38.00	FX486608	51	70	6	0	0
			38.00	74.00	NS	-	-	-	-	-

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
		<p>altered. Minor chlorite after mafics, 1% sericite wisps, < 1% pyrite, < 1% calcite veinlets and is light grey-green</p> <ul style="list-style-type: none"> - FAULT ZONE from 31.2 to 34.3, core is fractured, bleached and clay/sericite altered - from 34.3 gabbro is much less altered, light grey, medium-grained with - weak chloritization of mafic minerals, minor sericitization of plagioclase minerals, < 1% pyrite fracture fillings with chlorite/sericite margins - SAMPLE FX 486607 - clay altered gabbro - SAMPLE FX 486608 - relatively unaltered gabbro - at 41.3 to 41.8 m have a xenolith of intensely silicified volcanic, core is light beige-grey, hard, with up to 5% sericite and little to no sulphides, at lower contact has a 1 cm zone of quartz-calcite-sericite- pyrite veining - gabbro on both sides of xenolith has a 10 to 20 cm light grey, fine-grained chill margin - at 43.0 m back to medium-grained, light grey, gabbro with salt and pepper texture, is homogeneous to 56.5 m - at 56.5 m have a 20 cm wide, mixed quartz-calcite veined zone 								

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
		<ul style="list-style-type: none"> - from 56.7 to 65.7 is homogeneous, medium-grained, salt and pepper texture - 65.7 to 66.2 is bleached with quartz-calcite veining - at 66.8 have a 20 cm wide silicified sediment xenolith, gabbro around xenolith has a 0.5 m, light grey, fine-grained chill margin with 10% calcite veins - at 68.2 m have a 0.6 m silicified volcanic xenolith, gabbro around xenolith is chilled - from 69.5 to 73.5 m gabbro is medium-grained with salt and pepper texture , 1% calcite veining and < 1% pyrite - from 73.5 to 74.0 gabbro is chilled to contact with sediments - recovery = 98% 								
74.00	77.60	SILTSTONE								
		- light grey, intensely silicified mixed siltstone and volcanic	74.00	75.50	NS	-	-	-	-	-
		- 2% calcite veining, 1% pyrite fracture filling	75.50	76.50	FX486611	142	142	2	0	0.2
		- at 75.7 m bedding is 50 degrees to core axis	76.50	77.60	NS	-	-	-	-	-
		- lower contact is fractured, contacts are near parallel to bedding								
77.60	89.90	GABBRO								
		- same as gabbro at top of hole	77.60	89.90	NS	-	-	-	-	-
		- light grey, fine to medium-grained,								

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
		<p>weak sericitization of plagioclase, weak chloritization of mafic minerals, 1% calcite veining, << 1% sulphides - 1 to 2 m fine-grained, light grey chill margins - lower contact is fractured, cannot get orientation - recovery = 98%</p>								
89.90	90.90	MUDSTONE	89.90	90.90	NS	-	-	-	-	-
		<p>- black mudstone - may be xenolith or ledge of mudstone in gabbro - quite fractured, pieces < 10 cm long with abundant clay and minor on fracture surfaces - 15% white calcite veining, < 1% pyrite disseminations and blebs in calcite veins/fracture fillings - lower contact is sharp at 70 degrees to core axis - mudstone is weakly silicified for bottom 15 cm but is still black - recovery = 98%</p>								
90.90	95.70	GABBRO	90.90	95.70	NS	-	-	-	-	-
		<p>- same as gabbro sills above, but finer-grained and weakly porphyritic - 2% calcite veining, moderate chloritization of mafic minerals - 0.5 m chill margins - gabbro bleaches and weakly silicifies underlying mudstone - lower contact at 40 degrees to core</p>								

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
		axis								
95.70	106.80	MUDSTONE								
		- grades from massive, black mudstone downwards to weakly bedded, black siltstone with 20%, 1 to 2 mm wide lighter grey bands	95.70	96.70	FX486612	93	270	12	0	0.6
		- interval is moderately silicified for top 2 m and bottom 1 m, both contact zones are strongly hornfelsed but not completely silicified	96.70	97.70	FX486613	97	356	8	0	1
		- variably fractured with pieces < 1 cm to 30 cm	97.70	106.80	NS	-	-	-	-	-
		- fractures are coated with a grey clay and rare graphite (cause of Maxmin conductor)								
		- up to 1% pyrite as fine-grained disseminations, veinlets and laminations up to 1 mm wide								
		- lighter grey beds are calcite rich silty material								
		- interval has up to 10% mafic volcanic beds (tuffaceous slst) at 120.6 m - 10 cm, at 103.3m - 15 cm								
		- volcanic beds are slightly caly/sericite altered with up to 5% chlorite - at 105.0 m bedding is 65 degrees to core axis								
		- 3 to 5% calcite veins up to 0.5 cm wide at 40 degrees to core axis								
		- at 100.0 m bedding is 40 degrees to core axis								
		- at 105.0 m bedding is 65 degrees to								

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
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core axis

- SAMPLE FX 486612 - representative sample with 1% pyrite
- SAMPLE FX 486613 - silicified contact

106.80 148.10 GABBRO

- | | | | | | | | | | | |
|--|--|---|--------|--------|----------|----|----|---|---|-----|
| | | - Gabbro sill similar to gabbro higher in the hole | 106.80 | 116.00 | NS | - | - | - | - | - |
| | | - top 0.5 m contact is chilled, light grey-green, aphanitic to fine-grained and gradually becomes medium-grained with salt and pepper texture | 116.00 | 117.00 | FX486614 | 54 | 90 | 4 | 0 | 0.2 |
| | | - sill is variably fine to medium-grained, variably altered from weak to moderate | 117.00 | 146.00 | NS | - | - | - | - | - |
| | | - varies from soft, clay altered plagioclase and weak chloritization of mafics to relatively unaltered portions with minor pervasive silicification | 146.00 | 147.00 | FX486615 | 74 | 92 | 4 | 0 | 0.6 |
| | | - up to 1% chlorite veining, 1 to 2% calcite veining, < 1% very fine-grained disseminated pyrite, occasional pyrite grain in calcite veins | | | | | | | | |
| | | - interval is quite competent, pieces up to 30 cm long | | | | | | | | |
| | | - slightly fractured from 113.5 to 115.4 m | | | | | | | | |
| | | - SAMPLE FX 486614 and FX 486615 are relatively unaltered gabbro representative samples | | | | | | | | |

87033

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FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
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HOLE SHUT DOWN - BEYOND MAXMIN TARGET
ZONE

147.00	148.10	NS	-	-	-	-	-	-	-	-
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87033

87033

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
0.00	3.00	CASING - set-up on broken bedrock, casing to 3.0 m	0.00	3.00	NS	-	-	-	-	-
3.00	10.00	BASALT - medium green-grey, fine-grained to aphanitic with rare mafic phenocrysts to 0.5 cm - basalt has no internal textures - massive flow - weak pervasive chloritization, minor pervasive silicification - 1% calcite veining at 5 and 60 degrees to core axis, up to 1 cm wide, generally < 1 mm wide - interval is fairly hard - weakly silicified - < 1% very fine-grained, disseminated pyrite, with rare pyrite stringers - core becomes increasingly more bleached and clay altered from 7.5 m to fault zone - interval is fairly competent, pieces average 10-15 cm long - from 7.6 m down have limonite on fracture surfaces - lower contact is gradational into fault zone	3.00	10.00	NS	-	-	-	-	-
10.00	19.80	FAULT - Basalt flow as above, but intensely fractured with portions of fault gouge and bleached to light grey to white	10.00	19.80	NS	-	-	-	-	-

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
		with intense clay alteration								
		- top 30 cm is limonite stained to ocre-red color								
		- pieces average < 2 cm long and mainly pebble-size chips in a clay gouge								
		- 5 to 7% quartz veins, occasionally with up to 5% pyrite veining								
		- clay alteration caused by solutions flowing through fault zone, bleaching and clay altering material in fault and bleaching wallrock								
		- portions of the fault zone are quite sericitic								
		- little to no chlorite								
		- fractures at 40 to 55 degrees to core axis								
		- interval becomes less bleached, less clay altered and less fractured from 16.5 m to end								
		- lower contact is gradational into less altered and fractured basalt								
19.80	102.70	BASALT								
		- same as basalt at the top of the hole	19.80	67.00	NS	-	-	-	-	-
		- gradational upper contact from bleached fault zone material	67.00	68.00	FX486616	65	74	6	0	0
		- slightly more chloritized than upper basalt, with 10% chlorite as spots up to 3 mm round, occasional chlorite vein	68.00	93.00	NS	-	-	-	-	-
		- also have 3 to 5% sericite spots and	93.00	94.00	FX486617	50	72	10	0	0
			94.00	102.70	NS	-	-	-	-	-

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
		1 to 2% calcite veinlets								
		- occasional white quartz-filled amygdules, 0.5%								
		- < 1% pyrite as fine-grained disseminations and occasional veinlets								
		- interval is moderately competent, pieces average 10 cm long, fractures at 60 degrees to core axis and are coated with clay and calcite								
		- occasional flow-top or pillow rim evident as chilled, lighter green-grey, aphanitic zone, sometimes is brecciated								
		- from 45.5 to 46.0 m is brecciated with quartz cement								
		- from 46.0 to 48.0 m basalt has light grey, wavy, rounded, linear patches, which have the appearance of worm borrows - very odd texture								
		- bottom 1 m is intensely fractured, pieces < 10 cm long with abundant clay gouge, intensely clay altered and soft								
		- cannot get orientation								
102.70	129.50	FAULT								
		- mixed chert, siltstone, siliceous siltstone and volcanic	102.70	103.70	FX486618	134	316	168	670	8.8
		- from 102.7 to 107.7 m is intensely fractured to angular, pebble-size fragments of mixed chert, volcanic and siltstone with up to 20% clay gouge and locally contains up to 10% pyrite in siliceous portions	103.70	104.70	FX486619	385	1055	70	195	1.8
			104.70	105.70	FX486620	426	630	62	450	4.2
			105.70	106.70	FX486621	537	2100	48	125	0.6
			106.70	107.70	FX486622	1420	5630	40	80	1.8
			107.70	113.00	NS	-	-	-	-	-
			113.00	114.00	FX486623	98	130	6	0	0
			114.00	118.40	NS	-	-	-	-	-

FROM Me	TO Me	DESCRIPTION	FROM Me	TO Me	SAMPLEE	Cu PPM	Zn PPM	Pb PPM	Au PPB	Ag PPM
		- sulphides occur as veins and stringers	118.40	119.40	FX486624	307	126	8	0	0
			119.40	120.40	FX486625	77	52	2	0	0
		- FX 486618 to 486622	120.40	121.40	FX486626	60	40	2	0	0
		- from 107.7 to 118.4 m core is slightly more competent, pieces up to 10 cm long	121.40	122.40	FX486627	83	44	6	0	0
			122.40	123.40	FX486628	101	40	6	0	0
			123.40	124.40	FX486629	83	34	4	0	0
		-core is predominantly black siltstone with occasional light grey bed up to 0.5 cm wide, is weakly siliceous, has no calcite, but 1% white, waxy, clay veining and up to 1% disseminated and veinlet pyrite	124.40	125.40	FX486630	143	42	4	0	0
			125.40	126.40	FX486631	82	56	4	0	0
			126.40	127.40	FX486632	92	64	6	0	0
			127.40	128.40	FX486633	61	42	2	0	0
		- FX 486623								
		- from 118.4 to end of hole core becomes lighter grey and altered - silicified and sericitized and bleached with 1% clay on fractures								
		- contains up to 3% sulphides as veinlets								
		- interval is quite vuggy								
		- at 124.5 m bedding is at 50 degrees to core axis								
			128.40	129.50	FX486634	97	46	6	0	0

Appendix II

Geochemical Analytical Certificates



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.
 ATTN: JIM MORIN
 800 - 666 BURRARD ST.
 VANCOUVER, BC
 V6C 2X8

A9517228

Comments: ATTN: SCOTT CASSELMAN

CERTIFICATE

A9517228

(KPJ) - INCO EXPLORATION AND TECHNICAL SERVICES INC.

Project: 60527
 P.O.#:

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 18-MAY-95.

SAMPLE PREPARATION

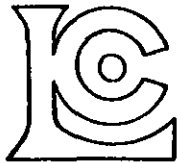
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	52	Geochem ring to approx 150 mesh
226	52	0-3 Kg crush and split
3204	52	Save 1 Kg reject for 90 days
229	52	ICP - AQ Digestion charge
251	52	Pulp splitting charge

* 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, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	52	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	52	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	20
2119	52	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	52	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	52	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	52	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	52	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	52	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	52	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	52	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	52	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	52	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	52	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	52	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	52	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	52	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	52	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	52	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	52	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	52	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	52	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	52	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	52	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	52	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	52	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	52	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	52	Sr ppm: 32 element, soil & rock	ICP-AES	1	1000
2144	52	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	52	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	52	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	52	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	52	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	52	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



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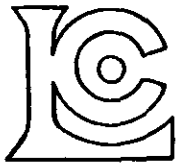
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 Account : KPJ

Project : 60527
 Comments : ATTN: SCOTT CASSELMAN

CERTIFICATE OF ANALYSIS A9517228

SAMPLE	PREP		Au ppb	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn
	CODE		FA+AA	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
FX486501	205	226	< 5	< 0.2	5.45	2	80	< 0.5	6	5.10	< 0.5	81	135	594	6.04	10	< 1	< 0.01	< 10	2.45	565
FX486502	205	226	< 5	< 0.2	4.66	< 2	660	< 0.5	6	3.03	< 0.5	47	93	178	5.69	10	< 1	0.01	< 10	3.14	750
FX486503	205	226	< 5	< 0.2	4.27	8	570	< 0.5	2	2.68	< 0.5	29	58	46	5.44	< 10	< 1	0.03	< 10	3.04	825
FX486504	205	226	< 5	< 0.2	4.55	< 2	660	< 0.5	4	2.70	< 0.5	27	75	188	5.67	< 10	< 1	0.04	< 10	3.25	750
FX486505	205	226	< 5	< 0.2	4.20	4	240	< 0.5	< 2	3.72	< 0.5	25	74	190	5.20	< 10	< 1	0.01	< 10	2.76	750
FX486506	205	226	< 5	< 0.2	4.01	< 2	220	< 0.5	2	2.21	0.5	31	85	341	5.94	< 10	< 1	0.03	< 10	3.11	755
FX486507	205	226	< 5	< 0.2	4.74	< 2	210	0.5	< 2	6.77	0.5	24	170	334	3.82	10	< 1	< 0.01	< 10	1.47	450
FX486508	205	226	< 5	< 0.2	2.52	14	130	0.5	2	2.57	< 0.5	14	252	81	2.50	< 10	< 1	< 0.01	< 10	1.53	380
FX486509	205	226	< 5	< 0.2	1.86	< 2	80	0.5	< 2	1.64	< 0.5	8	277	21	1.80	< 10	< 1	< 0.01	10	1.25	275
FX486510	205	226	< 5	< 0.2	1.53	< 2	60	< 0.5	< 2	0.86	< 0.5	10	213	44	2.01	< 10	< 1	< 0.01	10	1.30	275
FX486511	205	226	< 5	< 0.2	5.04	8	80	0.5	< 2	3.57	0.5	35	201	83	6.04	10	< 1	< 0.01	< 10	3.66	895
FX486512	205	226	< 5	< 0.2	4.14	< 2	30	< 0.5	< 2	1.88	< 0.5	28	84	14	5.88	< 10	< 1	< 0.01	< 10	3.62	840
FX486513	205	226	< 5	< 0.2	4.92	< 2	630	< 0.5	< 2	4.26	< 0.5	32	130	90	4.97	10	< 1	< 0.01	< 10	2.86	660
FX486514	205	226	< 5	< 0.2	3.75	< 2	280	< 0.5	2	2.24	< 0.5	26	63	70	5.18	< 10	< 1	< 0.01	< 10	2.98	695
FX486515	205	226	< 5	< 0.2	4.17	4	130	< 0.5	4	2.83	< 0.5	30	137	352	6.04	< 10	< 1	0.03	< 10	3.57	985
FX486516	205	226	< 5	0.2	3.92	< 2	70	< 0.5	< 2	2.26	1.0	36	172	1225	7.58	< 10	< 1	0.03	< 10	3.28	810
FX486517	205	226	< 5	< 0.2	3.90	20	30	< 0.5	2	3.81	< 0.5	23	163	75	5.19	< 10	< 1	0.02	< 10	3.05	795
FX486518	205	226	< 5	< 0.2	3.73	24	20	< 0.5	2	6.39	< 0.5	25	160	57	5.13	< 10	1	0.02	< 10	3.47	1020
FX486519	205	226	< 5	< 0.2	4.76	6	20	< 0.5	2	5.48	< 0.5	22	108	13	4.18	10	< 1	< 0.01	< 10	2.47	745
FX486520	205	226	< 5	< 0.2	3.94	6	30	< 0.5	2	4.02	0.5	28	129	74	5.66	< 10	< 1	< 0.01	< 10	3.23	1025
FX486521	205	226	< 5	< 0.2	3.28	< 2	10	< 0.5	< 2	2.41	< 0.5	27	77	67	4.82	< 10	< 1	< 0.01	< 10	2.35	690
FX486522	205	226	< 5	< 0.2	3.49	< 2	60	< 0.5	< 2	2.10	< 0.5	21	24	41	4.31	< 10	< 1	0.04	< 10	1.78	590
FX486523	205	226	< 5	< 0.2	3.41	2	20	< 0.5	2	2.16	< 0.5	26	65	101	4.24	< 10	< 1	< 0.01	< 10	2.53	520
FX486524	205	226	< 5	< 0.2	0.97	< 2	50	< 0.5	2	0.92	< 0.5	8	248	6	1.21	< 10	< 1	< 0.01	< 10	0.90	135
FX486525	205	226	< 5	< 0.2	1.05	< 2	110	< 0.5	2	0.82	< 0.5	12	208	2	1.49	< 10	< 1	< 0.01	< 10	1.02	750
FX486526	205	226	< 5	< 0.2	4.33	< 2	120	< 0.5	2	5.72	< 0.5	21	41	8	4.22	10	< 1	< 0.01	< 10	1.76	670
FX486527	205	226	< 5	< 0.2	4.47	< 2	340	< 0.5	2	3.83	< 0.5	22	78	5	4.45	< 10	1	0.02	< 10	2.18	750
FX486528	205	226	< 5	< 0.2	1.21	< 2	60	< 0.5	4	2.44	< 0.5	8	155	2	1.30	< 10	< 1	0.02	< 10	1.30	275
FX486529	205	226	< 5	< 0.2	1.82	< 2	120	< 0.5	2	1.11	< 0.5	16	256	1	2.21	< 10	< 1	0.05	10	1.99	260
FX486530	205	226	< 5	< 0.2	1.01	< 2	110	< 0.5	2	1.65	< 0.5	19	59	634	2.80	< 10	< 1	0.11	< 10	0.79	320
FX486531	205	226	< 5	0.6	1.31	6	210	< 0.5	2	6.16	4.5	6	286	98	1.44	< 10	< 1	0.34	20	0.95	1105
FX486532	205	226	< 5	1.8	1.54	8	70	0.5	2	4.97	4.5	7	319	104	1.73	< 10	< 1	0.45	20	0.95	695
FX486533	205	226	< 5	1.6	1.56	< 2	100	< 0.5	2	5.32	3.5	7	303	89	1.57	< 10	< 1	0.39	20	1.30	490
FX486534	205	226	< 5	< 0.2	3.36	2	710	< 0.5	6	3.84	< 0.5	30	262	48	4.73	< 10	< 1	0.07	20	3.67	700
FX486535	205	226	< 5	0.6	1.26	< 2	360	< 0.5	2	3.29	1.5	6	182	60	1.19	< 10	< 1	0.25	10	1.37	450
FX486536	205	226	< 5	< 0.2	3.03	< 2	1220	< 0.5	6	3.60	< 0.5	29	194	41	4.09	< 10	< 1	0.07	20	3.46	705
FX486537	205	226	< 5	0.2	0.98	< 2	340	< 0.5	2	5.94	1.0	3	173	37	0.95	< 10	< 1	0.20	10	0.84	495
FX486538	205	226	< 5	< 0.2	3.25	2	30	< 0.5	2	2.51	< 0.5	20	39	6	4.79	< 10	< 1	0.02	< 10	1.72	680
FX486539	205	226	< 5	< 0.2	5.08	< 2	< 10	< 0.5	< 2	5.16	< 0.5	23	32	9	5.46	10	< 1	< 0.01	< 10	1.69	680
FX486540	205	226	< 5	< 0.2	2.94	2	100	< 0.5	2	2.55	< 0.5	27	122	45	3.83	< 10	< 1	0.10	20	3.25	560

CERTIFICATION: *[Signature]*



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SAMPLE	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Tl	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
FX486501	205	226	5	0.01	60	470	8	< 2	13	19	0.44	< 10	< 10	178	< 10	44
FX486502	205	226	1	0.03	56	520	4	< 2	11	18	0.49	< 10	< 10	182	< 10	52
FX486503	205	226	< 1	0.05	52	530	2	< 2	11	19	0.49	< 10	< 10	180	< 10	68
FX486504	205	226	< 1	0.03	55	530	4	< 2	12	16	0.54	< 10	< 10	180	< 10	58
FX486505	205	226	< 1	0.04	51	490	< 2	< 2	10	20	0.44	< 10	< 10	156	< 10	54
FX486506	205	226	< 1	0.04	59	520	6	2	11	12	0.48	< 10	< 10	170	< 10	58
FX486507	205	226	< 1	0.02	38	550	6	< 2	11	21	0.31	< 10	< 10	129	< 10	122
FX486508	205	226	< 1	0.03	32	920	2	< 2	10	15	0.23	< 10	< 10	100	< 10	50
FX486509	205	226	< 1	0.03	36	1170	2	< 2	9	14	0.15	< 10	< 10	84	< 10	28
FX486510	205	226	< 1	0.03	32	930	4	2	7	11	0.14	< 10	< 10	74	< 10	42
FX486511	205	226	< 1	< 0.01	68	650	6	4	19	16	0.41	< 10	< 10	219	< 10	88
FX486512	205	226	< 1	0.02	54	620	6	< 2	12	12	0.35	< 10	< 10	174	< 10	58
FX486513	205	226	< 1	0.01	51	490	6	< 2	12	18	0.42	< 10	< 10	170	< 10	42
FX486514	205	226	< 1	0.04	47	550	6	< 2	10	19	0.36	< 10	< 10	169	< 10	46
FX486515	205	226	< 1	0.03	58	530	8	< 2	14	26	0.45	< 10	< 10	187	< 10	130
FX486516	205	226	2	0.02	54	440	12	< 2	15	17	0.43	< 10	< 10	175	< 10	188
FX486517	205	226	< 1	0.02	48	430	10	< 2	17	21	0.39	< 10	< 10	192	< 10	66
FX486518	205	226	< 1	0.01	43	360	8	< 2	19	50	0.18	< 10	< 10	204	< 10	62
FX486519	205	226	< 1	0.03	38	360	4	< 2	12	21	0.27	< 10	< 10	168	< 10	68
FX486520	205	226	< 1	0.04	56	390	22	< 2	21	35	0.50	< 10	< 10	204	< 10	106
FX486521	205	226	< 1	0.03	58	440	2	< 2	7	24	0.38	< 10	< 10	137	< 10	64
FX486522	205	226	< 1	0.06	29	380	6	< 2	5	14	0.30	< 10	< 10	140	< 10	52
FX486523	205	226	< 1	0.03	84	360	4	< 2	4	9	0.27	< 10	< 10	131	< 10	52
FX486524	205	226	< 1	0.06	23	1010	2	< 2	5	9	0.11	< 10	< 10	64	< 10	12
FX486525	205	226	< 1	0.06	26	670	2	< 2	7	10	0.13	< 10	< 10	81	< 10	10
FX486526	205	226	< 1	0.01	22	460	4	< 2	13	32	0.30	< 10	< 10	223	< 10	42
FX486527	205	226	< 1	0.02	34	400	4	< 2	13	21	0.32	< 10	< 10	195	< 10	42
FX486528	205	226	< 1	0.03	25	500	< 2	< 2	3	30	0.01	< 10	< 10	43	< 10	16
FX486529	205	226	< 1	0.03	40	1550	< 2	< 2	4	16	0.01	< 10	< 10	79	< 10	18
FX486530	205	226	6	< 0.01	27	1950	2	< 2	1	24	< 0.01	< 10	< 10	24	< 10	20
FX486531	205	226	15	0.01	91	8150	14	< 2	3	166	< 0.01	< 10	< 10	65	< 10	376
FX486532	205	226	15	0.01	111	9270	12	2	4	103	< 0.01	< 10	< 10	80	< 10	394
FX486533	205	226	11	0.01	93	8330	6	< 2	4	172	< 0.01	< 10	< 10	74	< 10	330
FX486534	205	226	< 1	0.14	146	1720	6	< 2	14	331	0.29	< 10	< 10	126	< 10	66
FX486535	205	226	6	0.01	63	5730	4	< 2	2	59	< 0.01	< 10	< 10	41	< 10	178
FX486536	205	226	< 1	0.13	141	1650	4	< 2	10	271	0.27	< 10	< 10	106	< 10	68
FX486537	205	226	3	< 0.01	33	6650	4	< 2	2	73	< 0.01	< 10	< 10	40	< 10	130
FX486538	205	226	< 1	0.06	29	680	4	< 2	4	23	0.47	< 10	< 10	184	< 10	50
FX486539	205	226	< 1	0.01	20	740	8	< 2	10	15	0.50	< 10	< 10	226	< 10	76
FX486540	205	226	< 1	0.19	124	1670	6	< 2	6	251	0.29	< 10	< 10	102	< 10	64

CERTIFICATION: *[Signature]*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

To: INCO EXPLORATION AND TECHNICAL SERVICES INC.
 ATTN: JIM MORIN
 800 - 666 BURRARD ST.
 VANCOUVER, BC
 V6C 2X8

Page Number : 2-A
 Total Pages : 2
 Certificate Date: 18-MAY-95
 Invoice No. : 19517228
 P.O. Number :
 Account : KPJ

Project : 60527
 Comments: ATTN: SCOTT CASSELMAN

CERTIFICATE OF ANALYSIS A9517228

SAMPLE	PREP		Au ppb	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn
	CODE		FA+AA	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
FX486541	205	226	< 5	< 0.2	3.32	< 2	10	< 0.5	2	2.04	< 0.5	24	16	20	6.14	10	< 1	< 0.01	< 10	1.66	710
FX486542	205	226	< 5	< 0.2	3.05	< 2	70	< 0.5	< 2	2.52	0.5	28	122	40	4.45	< 10	< 1	0.09	20	3.23	615
FX486543	205	226	< 5	0.2	3.46	< 2	80	< 0.5	4	3.48	< 0.5	24	48	60	4.87	< 10	< 1	< 0.01	< 10	1.95	655
FX486544	205	226	< 5	< 0.2	3.87	< 2	60	< 0.5	2	3.04	< 0.5	29	168	10	5.75	10	< 1	< 0.01	< 10	3.50	1111
FX486545	205	226	< 5	< 0.2	1.91	2	80	< 0.5	< 2	1.54	< 0.5	9	249	28	1.98	< 10	< 1	0.07	10	1.31	
FX486546	205	226	< 5	0.2	1.57	16	240	< 0.5	2	1.01	< 0.5	17	170	66	2.14	< 10	< 1	0.24	10	0.73	405
FX486547	205	226	< 5	< 0.2	1.11	2	110	< 0.5	2	2.32	< 0.5	16	181	55	1.61	< 10	< 1	0.09	< 10	0.70	650
FX486548	205	226	< 5	< 0.2	5.16	6	120	< 0.5	6	3.42	< 0.5	37	175	88	6.81	10	< 1	0.02	< 10	4.42	1860
FX486549	205	226	< 5	1.0	1.15	4	410	< 0.5	2	5.49	2.0	9	247	94	1.61	< 10	< 1	0.43	10	0.62	575
FX486550	205	226	< 5	1.0	0.80	6	280	< 0.5	4	9.61	3.5	5	148	69	1.28	< 10	< 1	0.23	10	0.81	800
FX486551	205	226	< 5	1.2	1.24	6	390	< 0.5	2	7.95	3.0	5	227	73	1.57	< 10	< 1	0.38	10	0.54	695
FX486552	205	226	< 5	1.6	1.59	2	300	< 0.5	2	6.63	3.0	6	255	86	1.63	< 10	< 1	0.41	10	1.11	430

CERTIFICATION: *Jhai D'Almeida*



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.
 ATTN: JIM MORIN
 800 - 666 BURRARD ST.
 VANCOUVER, BC
 V6C 2X8

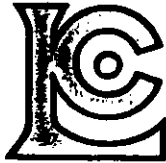
Page Number :2-B
 Total Pages :2
 Certificate Date: 18-MAY-95
 Invoice No. :19517228
 P.O. Number :
 Account :KPJ

Project : 60527
 Comments : ATTN: SCOTT CASSELMAN

CERTIFICATE OF ANALYSIS A9517228

SAMPLE	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
FX486541	205	226	< 1	0.06	17	890	< 2	< 2	5	12	0.59	< 10	< 10	231	< 10	70
FX486542	205	226	< 1	0.16	119	1510	8	< 2	6	218	0.36	< 10	< 10	110	< 10	78
FX486543	205	226	< 1	0.05	34	570	8	2	7	42	0.40	< 10	< 10	151	< 10	66
FX486544	205	226	< 1	0.03	75	600	6	< 2	18	18	0.60	< 10	< 10	222	< 10	50
FX486545	205	226	< 1	0.06	32	720	2	< 2	5	14	0.02	< 10	< 10	72	< 10	30
FX486546	205	226	3	< 0.01	46	1180	14	< 2	2	11	< 0.01	< 10	< 10	27	< 10	102
FX486547	205	226	3	0.01	21	220	8	< 2	2	14	< 0.01	< 10	< 10	33	< 10	30
FX486548	205	226	< 1	0.02	64	790	6	4	13	29	< 0.01	< 10	< 10	222	< 10	74
FX486549	205	226	12	0.01	75	6980	4	< 2	4	72	< 0.01	< 10	< 10	57	< 10	246
FX486550	205	226	9	0.01	64	6360	2	< 2	6	99	< 0.01	< 10	< 10	38	< 10	282
FX486551	205	226	9	0.01	70	6720	8	4	3	61	< 0.01	< 10	< 10	54	< 10	296
FX486552	205	226	11	0.01	83	8520	10	< 2	3	89	< 0.01	< 10	< 10	58	< 10	352

CERTIFICATION: *Yhai D'Almeida*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
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To: INCO EXPLORATION AND TECHNICAL SERVICES INC.
ATTN: JIM MORIN
800 - 666 BARRARD ST.
VANCOUVER, BC
V6C 2X8

A9517229

Comments: ATTN: SCOTT CASSELMAN

CERTIFICATE **A9517229**

(KPJ) - INCO EXPLORATION AND TECHNICAL SERVICES INC.

Project: 60527
P.O. #:

Samples submitted to our lab in Vancouver, BC.
This report was printed on 31-MAY-95.

SAMPLE PREPARATION		
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
299	30	Pulp; prepped on other workorder
200	30	Whole rock fusion

ANALYTICAL PROCEDURES					
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
594	30	Al2O3 %: Whole rock	ICP-AES	0.01	100.00
588	30	CaO %: Whole rock	ICP-AES	0.01	100.0
590	30	Cr2O3 %: Whole Rock	ICP-AES	0.01	100.00
586	30	Fe2O3(total) %: Whole rock	ICP-AES	0.01	100.00
821	30	K2O %: Whole rock	ICP-AES	0.01	100.00
593	30	MgO %: Whole rock	ICP-AES	0.01	100.00
596	30	MnO %: Whole rock	ICP-AES	0.01	100.00
599	30	Na2O %: Whole rock	ICP-AES	0.01	100.00
597	30	P2O5 %: Whole rock	ICP-AES	0.01	100.00
592	30	SiO2 %: Whole rock	ICP-AES	0.01	100.00
595	30	TiO2 %: Whole rock	ICP-AES	0.01	100.00
475	30	L.O.I. %: Loss on ignition	FURNACE	0.01	99.99
540	30	Total %	CALCULATION	0.01	105.00



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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ATTN: JIM MORIN
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VANCOUVER, BC
V6C 2X8

Page Number : 1
Total Pages : 1
Certificate Date: 31-MAY-95
Invoice No. : I9517229
P.O. Number :
Account : KPJ

Project : 60527
Comments: ATTN: SCOTT CASSELMAN

CERTIFICATE OF ANALYSIS A9517229

SAMPLE	PREP CODE	Al2O3 %	CaO %	Cr2O3 %	Fe2O3 %	K2O %	MgO %	MnO %	Na2O %	P2O5 %	SiO2 %	TiO2 %	LOI %	TOTAL %
FX486501	299 200	15.83	11.89	0.04	10.92	0.04	5.90	0.12	1.76	0.16	44.14	1.35	5.71	97.86
FX486502	299 200	15.67	8.70	0.03	10.33	0.22	7.41	0.15	2.80	0.17	46.66	1.41	4.74	98.29
FX486504	299 200	15.68	8.25	0.05	10.39	0.44	7.77	0.16	2.52	0.18	47.21	1.42	4.60	98.67
FX486505	299 200	14.62	9.83	0.05	9.79	0.18	6.85	0.15	2.60	0.18	48.55	1.30	4.44	98.54
FX486506	299 200	15.44	7.23	0.05	11.02	0.33	7.58	0.16	3.10	0.18	47.52	1.42	4.74	98.77
FX486507	299 200	12.41	12.92	< 0.01	6.72	0.03	3.17	0.09	0.98	0.17	56.98	0.80	4.43	98.70
FX486508	299 200	8.23	4.47	0.03	4.19	0.02	2.91	0.07	1.67	0.27	74.70	0.57	2.92	100.05
FX486509	299 200	7.28	2.51	0.03	2.65	0.04	2.06	0.03	2.06	0.36	80.20	0.44	1.99	99.65
FX486510	299 200	6.94	1.37	0.02	2.92	0.04	2.13	0.03	2.21	0.29	81.20	0.46	1.83	99.44
FX486511	299 200	16.05	10.03	< 0.01	10.82	0.03	7.44	0.16	1.32	0.18	44.58	1.61	6.61	98.83
FX486513	299 200	15.94	12.76	< 0.01	9.53	0.02	6.65	0.14	1.19	0.14	45.74	1.33	5.67	99.11
FX486515	299 200	15.66	7.41	0.01	10.52	0.44	7.52	0.17	2.58	0.16	47.06	1.40	5.47	98.40
FX486516	299 200	14.58	5.34	< 0.01	13.33	0.41	6.91	0.15	2.51	0.15	46.48	1.26	6.19	97.31
FX486518	299 200	13.60	10.16	< 0.01	8.54	0.24	6.33	0.16	3.26	0.11	45.93	1.09	10.44	99.86
FX486519	299 200	15.47	12.89	< 0.01	8.79	0.10	6.47	0.17	2.31	0.11	46.40	1.14	6.08	99.93
FX486526	299 200	14.39	13.12	< 0.01	9.16	0.03	4.97	0.16	2.19	0.13	47.76	1.41	6.43	99.75
FX486528	299 200	6.99	3.49	0.02	1.93	0.19	2.24	0.03	2.44	0.15	78.90	0.34	3.63	100.35
FX486529	299 200	7.85	1.59	0.01	3.22	0.39	3.43	0.03	1.96	0.41	77.80	0.39	2.65	99.73
FX486530	299 200	4.31	2.20	< 0.01	4.07	0.62	1.49	0.04	0.03	0.65	82.90	0.22	2.67	99.20
FX486531	299 200	5.68	8.48	< 0.01	1.63	1.28	1.89	0.15	< 0.01	1.77	67.70	0.30	9.15	98.03
FX486539	299 200	14.43	12.70	0.02	11.43	0.04	5.30	0.17	1.96	0.23	47.26	1.92	5.50	100.95
FX486542	299 200	15.00	8.79	0.08	9.76	1.55	8.56	0.15	3.39	0.48	47.86	1.31	3.47	100.40
FX486545	299 200	7.72	2.08	0.08	2.82	0.24	2.04	0.06	2.24	0.22	78.70	0.47	3.51	100.20
FX486546	299 200	6.00	1.42	0.06	3.19	0.91	1.37	0.06	0.20	0.33	83.10	0.29	3.58	100.50
FX486547	299 200	3.73	3.07	0.05	2.33	0.29	1.19	0.09	0.42	0.09	84.80	0.21	3.55	99.82
FX486548	299 200	14.88	5.26	0.05	11.30	0.10	8.02	0.30	2.54	0.23	46.12	1.72	9.16	99.68
FX486549	299 200	5.04	7.51	0.21	2.64	0.60	1.38	0.09	0.11	1.67	71.89	0.25	8.09	99.48
FX486550	299 200	5.07	14.51	0.21	2.22	1.08	1.89	0.13	0.53	1.65	60.74	0.26	12.52	100.80
FX486551	299 200	5.12	11.97	0.29	2.56	1.12	1.42	0.11	0.55	1.76	65.00	0.27	10.75	100.90
FX486552	299 200	6.20	9.54	0.38	2.65	1.24	2.39	0.07	0.58	2.13	66.68	0.35	9.40	101.60

CERTIFICATION:

Scott Casseleman



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: INCO EXPLORATION AND TECHNICAL SERVICES INC.
ATTN: JIM MORIN
800 - 666 BURRARD ST.
VANCOUVER, BC
V6C 2X8

A9517230

Comments: ATTN: SCOTT CASSELMAN

CERTIFICATE

A9517230

(KPJ) - INCO EXPLORATION AND TECHNICAL SERVICES INC.

Project: 80527
P.O. #:

Samples submitted to our lab in Vancouver, BC.
This report was printed on 25-MAY-95.

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	100.0
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



Chemex Labs Ltd.

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VANCOUVER, BC
V6C 2X8

Page Number : 1
Total Pages : 1
Certificate Date: 25-MAY-95
Invoice No. : I9517230
P.O. Number :
Account : KPJ

Project : 60527
Comments: ATTN: SCOTT CASSELMAN

CERTIFICATE OF ANALYSIS A9517230

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 %
FX486503	299 --	15.61	8.60	0.03	10.11	0.39	7.70	0.16	3.52	0.14	47.55	1.46	4.38	99.65
FX486512	299 --	15.06	7.23	0.03	10.82	0.13	8.38	0.15	3.73	0.16	46.62	1.45	4.92	98.68
FX486514	299 --	15.27	8.43	0.03	9.90	0.29	7.63	0.15	3.68	0.14	48.18	1.40	4.56	99.66
FX486517	299 --	14.66	8.45	0.04	10.07	0.22	6.79	0.15	3.70	0.12	48.00	1.22	5.99	99.41
FX486520	299 --	14.44	9.10	0.04	10.50	0.14	7.02	0.18	3.07	0.12	47.79	1.37	6.78	100.55
FX486521	299 --	14.50	10.58	0.05	10.27	0.14	7.56	0.17	3.05	0.11	48.24	1.34	4.21	100.22
FX486522	299 --	17.94	9.68	0.01	8.80	0.52	5.41	0.14	3.66	0.11	48.60	1.13	3.31	99.31
FX486523	299 --	13.40	11.14	0.07	9.49	0.12	9.16	0.14	3.10	0.09	48.46	1.01	3.21	99.39
FX486524	299 --	6.78	1.52	0.03	1.75	0.13	1.52	< 0.01	3.09	0.26	82.87	0.36	1.25	99.56
FX486525	299 --	7.67	1.43	0.03	2.27	0.15	1.83	0.01	3.62	0.18	79.65	0.33	1.43	98.60
FX486527	299 --	16.44	10.31	0.02	9.26	0.30	6.09	0.16	3.21	0.11	47.99	1.27	4.98	100.14
FX486532	299 --	6.43	6.64	0.08	2.49	1.51	1.95	0.09	0.06	2.07	69.51	0.32	9.28	100.43
FX486533	299 --	5.88	7.40	0.08	2.40	1.14	2.56	0.06	0.07	1.90	69.49	0.30	8.93	100.21
FX486534	299 --	14.36	8.68	0.06	9.64	0.84	8.43	0.14	3.32	0.47	45.97	1.20	6.71	99.82
FX486535	299 --	4.29	4.32	0.04	1.66	0.80	2.46	0.04	0.06	1.29	80.50	0.25	4.78	100.49
FX486536	299 --	14.27	9.87	0.07	9.22	0.89	8.64	0.15	3.00	0.45	45.94	1.19	6.32	100.01
FX486537	299 --	3.45	8.18	0.04	1.38	0.64	1.55	0.06	0.06	1.52	76.87	0.20	6.34	100.29
FX486538	299 --	14.34	9.43	0.02	10.65	0.31	6.30	0.19	3.85	0.17	48.93	1.62	3.29	99.10
FX486540	299 --	14.38	9.31	0.06	9.01	1.38	8.76	0.14	3.56	0.49	47.10	1.23	3.82	99.24
FX486541	299 --	13.85	8.03	0.01	12.66	0.11	5.79	0.19	4.30	0.22	49.22	2.02	2.75	99.15
FX486543	299 --	13.96	10.47	0.02	9.92	0.11	6.01	0.16	3.47	0.15	48.67	1.44	4.85	99.23
FX486544	299 --	14.85	7.20	0.05	10.13	0.17	7.88	0.20	4.51	0.16	47.26	1.49	6.02	99.92

CERTIFICATION: 



Chemex Labs Ltd.

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 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
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To: INCO EXPLORATION AND TECHNICAL SERVICES INC.
 ATTN: JIM MORIN
 800 - 666 BURRARD ST.
 VANCOUVER, BC
 V6C 2X8

A9518226

Comments: ATTN: SCOTT CASSELMAN

CERTIFICATE

A9518226

(KPJ) - INCO EXPLORATION AND TECHNICAL SERVICES INC.

Project 60527-86010
 P.O. #:

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 2-JUN-95.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	80	Geochem ring to approx 150 mesh
226	80	0-3 Kg crush and split
3204	80	Save 1 Kg reject for 90 days
214	2	Rcvd as pulp; mesh size checked
229	82	ICP - AQ Digestion charge
251	82	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
983	82	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	82	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	201
2119	82	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	82	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	82	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	82	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	82	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	82	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	82	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	82	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	82	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	82	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	82	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	82	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	82	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	82	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	82	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	82	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	82	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	82	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	82	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	82	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	82	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	82	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	82	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	82	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	82	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	82	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	82	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	82	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	82	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	82	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	82	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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CERTIFICATE OF ANALYSIS A9518226

SAMPLE	PREP CODE		Au ppb	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
			FA+AA																		
FX486553	205	226	< 5	0.2	4.44	4	< 10	< 0.5	< 2	4.29	< 0.5	17	39	64	3.96	10	< 1	< 0.01	< 10	1.85	595
FX486554	205	226	< 5	< 0.2	4.12	< 2	< 10	< 0.5	< 2	4.42	< 0.5	16	96	55	3.43	10	< 1	< 0.01	< 10	1.55	490
FX486555	205	226	< 5	< 0.2	3.38	< 2	10	< 0.5	< 2	2.65	< 0.5	20	27	56	4.93	< 10	< 1	< 0.01	< 10	2.02	600
FX486556	205	226	< 5	0.2	3.80	2	20	< 0.5	< 2	3.74	< 0.5	16	35	56	3.46	10	< 1	< 0.01	< 10	1.63	500
FX486557	205	226	< 5	< 0.2	5.37	< 2	40	< 0.5	< 2	5.48	0.5	25	221	71	4.71	10	< 1	0.04	< 10	3.21	9
FX486558	205	226	< 5	< 0.2	5.33	14	10	< 0.5	2	5.97	< 0.5	46	448	64	5.57	< 10	< 1	< 0.01	< 10	5.18	1170
FX486559	205	226	< 5	< 0.2	3.07	< 2	50	< 0.5	< 2	2.22	< 0.5	22	193	59	4.60	< 10	< 1	< 0.01	< 10	2.56	680
FX486560	205	226	< 5	< 0.2	0.95	< 2	150	< 0.5	< 2	3.74	< 0.5	3	183	5	1.05	< 10	< 1	0.04	< 10	0.83	485
FX486561	205	226	< 5	< 0.2	4.16	2	580	< 0.5	< 2	4.59	< 0.5	26	228	43	4.95	< 10	< 1	0.08	< 10	2.97	1035
FX486562	205	226	< 5	< 0.2	0.50	< 2	90	< 0.5	< 2	1.96	< 0.5	5	159	46	1.02	< 10	< 1	0.10	< 10	0.63	435
FX486563	205	226	< 5	< 0.2	0.70	6	260	< 0.5	< 2	1.08	< 0.5	6	83	59	1.19	< 10	< 1	0.29	< 10	0.41	515
FX486564	205	226	< 5	< 0.2	0.33	4	180	< 0.5	< 2	1.80	< 0.5	5	134	42	1.09	< 10	< 1	0.20	< 10	0.49	785
FX486565	205	226	< 5	< 0.2	0.33	6	240	< 0.5	< 2	1.09	0.5	5	163	24	1.05	< 10	< 1	0.16	< 10	0.40	560
FX486566	205	226	< 5	< 0.2	0.25	< 2	210	< 0.5	< 2	0.93	< 0.5	6	126	31	0.93	< 10	< 1	0.13	< 10	0.36	645
FX486567	205	226	< 5	< 0.2	0.91	4	470	< 0.5	< 2	0.54	< 0.5	7	116	59	1.48	< 10	< 1	0.23	10	0.51	470
FX486568	205	226	< 5	< 0.2	1.14	< 2	370	< 0.5	< 2	0.47	< 0.5	8	98	39	1.85	< 10	< 1	0.23	10	0.61	505
FX486569	205	226	< 5	< 0.2	3.77	< 2	460	< 0.5	< 2	1.80	< 0.5	23	55	17	5.31	< 10	< 1	0.03	< 10	2.15	840
FX486570	205	226	< 5	0.4	0.48	14	350	< 0.5	< 2	0.74	< 0.5	10	101	76	1.51	< 10	< 1	0.23	< 10	0.32	370
FX486571	205	226	< 5	< 0.2	3.13	8	1770	< 0.5	< 2	3.23	< 0.5	15	172	36	3.36	< 10	< 1	0.09	< 10	2.14	760
FX486572	205	226	< 5	< 0.2	2.86	8	410	< 0.5	2	2.38	< 0.5	21	188	78	3.28	< 10	1	0.10	< 10	2.22	905
FX486573	205	226	< 5	0.2	0.83	4	450	< 0.5	< 2	0.63	< 0.5	12	171	42	1.67	< 10	< 1	0.17	< 10	0.37	480
FX486574	205	226	< 5	< 0.2	4.13	8	2400	< 0.5	< 2	2.55	0.5	24	133	69	4.44	< 10	< 1	0.07	< 10	3.00	2650
FX486575	205	226	< 5	< 0.2	1.72	4	500	< 0.5	< 2	2.10	< 0.5	12	133	62	2.29	< 10	< 1	0.12	< 10	1.14	1060
FX486576	205	226	< 5	0.2	0.78	4	150	< 0.5	2	1.08	< 0.5	8	131	68	2.02	< 10	< 1	0.14	< 10	0.39	420
FX486577	205	226	< 5	0.2	0.67	2	570	< 0.5	2	0.77	0.5	13	126	57	1.38	< 10	< 1	0.16	< 10	0.39	460
FX486578	205	226	< 5	< 0.2	0.74	< 2	240	< 0.5	2	1.27	< 0.5	7	129	65	1.35	< 10	< 1	0.11	< 10	0.60	1
FX486579	205	226	< 5	< 0.2	1.01	< 2	140	< 0.5	2	2.15	< 0.5	9	184	85	1.89	< 10	< 1	0.20	10	0.49	1265
FX486580	205	226	< 5	< 0.2	3.63	16	30	< 0.5	< 2	4.13	< 0.5	19	102	42	5.44	10	< 1	< 0.01	< 10	2.51	800
FX486581	205	226	< 5	< 0.2	5.89	16	30	0.5	< 2	7.26	< 0.5	16	115	11	4.14	10	< 1	< 0.01	< 10	1.78	580
FX486582	205	226	< 5	< 0.2	2.96	6	240	< 0.5	< 2	9.44	< 0.5	10	99	32	2.58	< 10	< 1	0.28	< 10	1.22	615
FX486583	205	226	< 5	< 0.2	3.33	6	340	< 0.5	2	2.59	< 0.5	16	12	15	5.77	10	< 1	0.04	< 10	1.48	730
FX486584	205	226	< 5	< 0.2	1.39	< 2	30	< 0.5	< 2	1.61	< 0.5	7	230	138	1.78	< 10	< 1	< 0.01	< 10	0.66	300
FX486585	205	226	< 5	< 0.2	1.47	< 2	150	< 0.5	< 2	2.52	< 0.5	6	331	288	1.43	< 10	< 1	0.07	10	0.57	265
FX486586	205	226	< 5	< 0.2	1.85	6	100	< 0.5	2	11.00	3.5	7	211	310	1.50	< 10	< 1	0.01	80	2.35	1360
FX486587	205	226	< 5	< 0.2	1.16	28	140	< 0.5	2	3.14	< 0.5	10	497	290	2.71	< 10	< 1	0.10	20	1.59	470
FX486588	205	226	35	0.2	1.14	104	150	< 0.5	2	3.19	< 0.5	13	443	337	2.93	< 10	< 1	0.11	20	1.55	425
FX486589	205	226	< 5	0.4	5.41	4	60	< 0.5	2	3.35	< 0.5	26	109	11	5.07	10	< 1	< 0.01	< 10	2.58	900
FX486590	205	226	< 5	< 0.2	4.91	80	540	< 0.5	< 2	0.68	< 0.5	33	153	74	5.85	< 10	< 1	0.15	< 10	3.37	720
FX486591	205	226	< 5	< 0.2	3.70	34	140	< 0.5	< 2	2.19	< 0.5	23	43	158	7.13	10	< 1	0.06	< 10	2.15	1170
FX486592	205	226	< 5	< 0.2	2.24	14	130	0.5	< 2	3.54	< 0.5	12	327	66	3.30	< 10	< 1	0.01	20	1.49	845

CERTIFICATION:



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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
FX486553	205 226	< 1	0.23	47	590	6	< 2	7	29	0.45	< 10	< 10	148	< 10	74
FX486554	205 226	< 1	0.15	43	500	2	< 2	7	21	0.45	< 10	< 10	140	< 10	58
FX486555	205 226	< 1	0.08	57	620	4	< 2	3	14	0.53	< 10	< 10	144	< 10	66
FX486556	205 226	< 1	0.08	48	520	4	6	4	14	0.39	< 10	< 10	124	< 10	66
FX486557	205 226	< 1	0.04	73	430	8	< 2	18	51	0.14	< 10	< 10	179	< 10	72
FX486558	205 226	< 1	< 0.01	282	470	12	< 2	24	89	0.01	< 10	< 10	184	< 10	80
FX486559	205 226	< 1	0.01	66	630	4	6	12	19	0.46	< 10	< 10	167	< 10	64
FX486560	205 226	< 1	0.01	15	290	< 2	< 2	2	44	0.02	< 10	< 10	26	< 10	20
FX486561	205 226	< 1	0.03	71	440	8	< 2	24	44	0.16	< 10	< 10	206	< 10	72
FX486562	205 226	6	0.02	23	170	2	< 2	3	18	< 0.01	< 10	< 10	14	< 10	24
FX486563	205 226	1	0.02	24	220	8	< 2	4	21	< 0.01	< 10	< 10	12	< 10	54
FX486564	205 226	1	0.01	21	150	4	< 2	2	29	< 0.01	< 10	< 10	8	< 10	46
FX486565	205 226	< 1	< 0.01	18	160	8	2	1	22	< 0.01	< 10	< 10	8	< 10	48
FX486566	205 226	< 1	< 0.01	18	150	4	< 2	1	22	< 0.01	< 10	< 10	5	< 10	38
FX486567	205 226	< 1	< 0.01	23	220	12	< 2	2	15	< 0.01	< 10	< 10	10	< 10	52
FX486568	205 226	< 1	< 0.01	29	240	12	< 2	3	10	< 0.01	< 10	< 10	14	< 10	58
FX486569	205 226	< 1	0.03	43	500	4	< 2	12	16	0.30	< 10	< 10	195	< 10	66
FX486570	205 226	3	< 0.01	37	340	20	2	2	17	< 0.01	< 10	< 10	11	< 10	118
FX486571	205 226	< 1	0.03	45	330	4	< 2	13	41	0.26	< 10	< 10	154	< 10	44
FX486572	205 226	1	0.01	48	360	12	4	14	34	< 0.01	< 10	< 10	107	< 10	84
FX486573	205 226	2	< 0.01	33	990	12	< 2	3	10	< 0.01	< 10	< 10	25	< 10	58
FX486574	205 226	< 1	0.02	62	280	6	8	15	31	0.25	< 10	< 10	148	< 10	62
FX486575	205 226	< 1	< 0.01	28	230	8	< 2	6	26	< 0.01	< 10	< 10	48	< 10	52
FX486576	205 226	< 1	< 0.01	25	550	14	2	1	12	< 0.01	< 10	< 10	21	< 10	46
FX486577	205 226	< 1	< 0.01	26	390	16	< 2	2	15	< 0.01	< 10	< 10	15	< 10	64
FX486578	205 226	< 1	< 0.01	20	180	18	< 2	2	40	< 0.01	< 10	< 10	13	< 10	44
FX486579	205 226	4	0.01	35	1080	10	< 2	3	25	< 0.01	< 10	< 10	37	< 10	86
FX486580	205 226	< 1	0.06	47	760	4	8	10	46	0.56	< 10	< 10	193	< 10	72
FX486581	205 226	< 1	< 0.01	45	640	4	< 2	9	39	0.39	< 10	< 10	161	< 10	72
FX486582	205 226	< 1	< 0.01	24	340	< 2	2	9	168	0.22	< 10	< 10	90	< 10	44
FX486583	205 226	< 1	0.08	8	1020	4	< 2	6	43	0.61	< 10	< 10	180	< 10	82
FX486584	205 226	< 1	0.05	20	450	4	2	6	13	0.17	< 10	< 10	77	< 10	24
FX486585	205 226	< 1	0.03	30	1110	8	< 2	7	31	0.10	< 10	< 10	85	< 10	32
FX486586	205 226	4	0.01	40	>10000	2	2	3	285	< 0.01	< 10	< 10	73	< 10	332
FX486587	205 226	8	0.07	102	4880	8	20	7	45	< 0.01	< 10	< 10	53	< 10	48
FX486588	205 226	8	0.06	112	4970	2	64	7	58	< 0.01	< 10	< 10	50	< 10	48
FX486589	205 226	< 1	0.02	65	550	8	< 2	14	20	0.33	< 10	< 10	178	< 10	66
FX486590	205 226	< 1	0.01	72	560	14	< 2	14	17	0.07	< 10	< 10	179	< 10	66
FX486591	205 226	< 1	0.04	25	1210	4	50	12	30	0.22	< 10	< 10	186	< 10	70
FX486592	205 226	3	0.11	50	2860	6	6	7	38	0.16	< 10	< 10	122	< 10	94

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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
FX486593	205 226	< 5	< 0.2	1.74	4	140	< 0.5	< 2	3.94	< 0.5	4	632	83	1.81	< 10	< 1	0.03	30	1.44	570
FX486594	205 226	< 5	< 0.2	1.45	6	120	< 0.5	< 2	1.37	< 0.5	24	284	84	2.64	< 10	< 1	0.01	10	1.12	395
FX486595	205 226	< 5	< 0.2	2.33	< 2	340	0.5	2	1.65	< 0.5	12	102	6	3.69	10	< 1	0.03	< 10	1.88	715
FX486596	205 226	< 5	< 0.2	2.19	< 2	230	< 0.5	2	3.35	< 0.5	10	449	136	2.86	< 10	< 1	0.08	10	1.85	575
FX486597	205 226	< 5	< 0.2	1.75	< 2	190	< 0.5	2	2.64	< 0.5	3	412	144	2.06	< 10	< 1	0.07	10	1.66	535
FX486598	205 226	< 5	1.8	2.25	14	90	< 0.5	2	2.71	4.5	6	437	1525	4.91	< 10	< 1	0.04	10	2.12	66
FX486599	205 226	< 5	0.4	2.07	22	320	< 0.5	4	1.68	0.5	9	339	100	1.99	< 10	< 1	0.12	10	2.20	540
FX486600	205 226	< 5	0.4	2.13	26	320	< 0.5	< 2	2.02	0.5	12	222	260	2.96	< 10	< 1	0.17	10	2.42	775
FX486601	205 226	< 5	1.0	2.29	782	30	< 0.5	2	1.99	11.5	14	198	413	7.46	< 10	< 1	0.12	10	1.94	880
FX486602	205 226	< 5	1.4	3.72	10	110	< 0.5	< 2	0.68	3.5	18	237	862	6.76	10	< 1	0.06	10	2.63	690
FX486603	205 226	< 5	2.0	3.21	14	90	< 0.5	2	0.71	18.0	14	344	1230	6.23	< 10	< 1	0.07	10	2.35	495
FX486604	205 226	< 5	0.4	4.39	46	90	< 0.5	2	1.12	< 0.5	26	211	423	6.25	10	< 1	0.06	< 10	3.29	770
FX486605	205 226	1120	< 0.2	1.48	9400	130	< 0.5	2	9.50	3.0	24	44	19	5.67	< 10	< 1	0.27	< 10	0.81	1165
FX486606	205 226	< 5	< 0.2	3.63	18	100	< 0.5	< 2	2.93	< 0.5	21	61	9	4.55	< 10	< 1	0.03	< 10	2.73	720
FX486607	205 226	< 5	< 0.2	4.02	16	90	< 0.5	< 2	2.37	< 0.5	32	18	13	6.33	10	< 1	0.04	< 10	2.26	1620
FX486608	205 226	< 5	< 0.2	3.94	< 2	180	< 0.5	< 2	3.38	< 0.5	22	34	51	5.31	< 10	< 1	0.12	< 10	2.16	995
FX486609	214 229	< 5	< 0.2	0.97	< 2	30	1.0	< 2	0.61	< 0.5	2	205	3	2.23	< 10	< 1	0.34	40	0.37	375
FX486610	214 229	< 5	< 0.2	3.32	22	20	< 0.5	< 2	3.50	< 0.5	36	14	110	4.92	< 10	< 1	0.11	< 10	2.24	1805
FX486611	205 226	< 5	0.2	1.28	6	80	< 0.5	2	0.94	0.5	12	108	142	2.02	< 10	< 1	0.05	< 10	0.88	360
FX486612	205 226	< 5	0.6	1.60	8	250	< 0.5	2	4.23	3.0	8	473	93	2.21	< 10	< 1	0.09	20	1.25	515
FX486613	205 226	< 5	1.0	1.50	24	240	< 0.5	< 2	4.65	4.0	6	411	97	1.64	< 10	< 1	0.27	30	1.15	515
FX486614	205 226	< 5	0.2	3.23	8	140	< 0.5	2	2.34	< 0.5	18	10	54	6.23	10	< 1	0.04	< 10	1.37	785
FX486615	205 226	< 5	0.6	3.32	4	140	< 0.5	< 2	1.89	< 0.5	18	9	74	5.83	10	< 1	0.04	< 10	1.34	795
FX486616	205 226	< 5	< 0.2	3.35	12	100	< 0.5	2	1.83	< 0.5	20	40	65	4.97	< 10	< 1	0.04	< 10	1.86	650
FX486617	205 226	< 5	< 0.2	4.22	2	60	< 0.5	< 2	2.29	< 0.5	26	27	50	5.57	< 10	< 1	< 0.01	< 10	2.74	890
FX486618	205 226	670	8.8	2.80	64	80	< 0.5	2	0.38	0.5	17	104	134	4.65	< 10	< 1	0.11	< 10	1.52	10
FX486619	205 226	195	1.8	4.92	68	20	< 0.5	< 2	0.62	5.0	39	106	385	8.75	10	< 1	0.06	< 10	2.93	17
FX486620	205 226	450	4.2	1.84	108	10	< 0.5	12	0.22	0.5	17	74	426	9.47	< 10	< 1	0.03	< 10	1.66	860
FX486621	205 226	125	0.6	2.15	64	30	< 0.5	6	0.28	8.0	12	81	537	5.19	< 10	< 1	0.07	< 10	2.17	1225
FX486622	205 226	80	1.8	1.80	40	10	< 0.5	2	0.11	23.5	9	78	1420	5.57	< 10	3	0.02	< 10	2.04	975
FX486623	205 226	< 5	< 0.2	2.16	4	430	< 0.5	2	0.28	< 0.5	8	213	98	2.29	< 10	< 1	0.24	10	1.62	720
FX486624	205 226	< 5	< 0.2	2.02	14	210	< 0.5	< 2	0.29	0.5	13	135	307	2.83	< 10	< 1	0.34	10	1.18	405
FX486625	205 226	< 5	< 0.2	1.53	16	650	< 0.5	2	0.31	< 0.5	8	115	77	1.84	< 10	< 1	0.26	10	0.81	305
FX486626	205 226	< 5	< 0.2	1.29	4	380	< 0.5	< 2	0.13	< 0.5	11	61	60	1.88	< 10	< 1	0.26	10	0.60	245
FX486627	205 226	< 5	< 0.2	1.56	10	400	< 0.5	< 2	0.13	< 0.5	10	90	83	2.17	< 10	< 1	0.30	10	0.71	300
FX486628	205 226	< 5	< 0.2	1.86	100	320	< 0.5	2	0.11	0.5	10	58	101	2.36	< 10	< 1	0.37	10	0.74	310
FX486629	205 226	< 5	< 0.2	1.62	8	490	< 0.5	< 2	0.07	< 0.5	8	63	83	1.80	< 10	< 1	0.27	< 10	0.62	270
FX486630	205 226	< 5	< 0.2	1.69	42	330	< 0.5	< 2	0.11	0.5	10	73	143	2.19	< 10	< 1	0.24	10	0.60	310
FX486631	205 226	< 5	< 0.2	1.78	8	440	< 0.5	< 2	0.09	0.5	8	71	82	1.98	< 10	< 1	0.15	10	0.96	435
FX486632	205 226	< 5	< 0.2	2.12	14	170	< 0.5	< 2	0.12	0.5	10	118	92	3.44	< 10	< 1	0.23	< 10	1.24	475

CERTIFICATION: *Hart Schuler*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brookbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: INCO EXPLORATION AND TECHNICAL SERVICES INC.
ATTN: JIM MORIN
800 - 688 BARRARD ST.
VANCOUVER, BC
V6C 2X8

Page Number :2-B
Total Pages :3
Certificate Date: 02-JUN-95
Invoice No. : I9518226
P.O. Number :
Account : KPJ

Project : 60527-86010
Comments: ATTN: SCOTT CASSELMAN

CERTIFICATE OF ANALYSIS

A9518226

SAMPLE	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
FX486593	205	226	9	0.08	99	5060	4	< 2	6	45	0.12	< 10	< 10	79	< 10	36
FX486594	205	226	1	0.08	42	790	6	< 2	8	14	0.14	< 10	< 10	84	< 10	36
FX486595	205	226	6	0.11	25	740	4	12	14	21	0.46	< 10	< 10	162	< 10	30
FX486596	205	226	7	0.02	82	3200	2	4	4	49	0.01	< 10	< 10	69	< 10	68
FX486597	205	226	6	0.03	78	3170	2	< 2	3	45	0.01	< 10	< 10	60	< 10	42
FX486598	205	226	6	0.02	72	3000	12	4	5	58	0.01	< 10	< 10	76	< 10	540
FX486599	205	226	7	< 0.01	82	3300	150	12	4	41	< 0.01	< 10	< 10	47	< 10	188
FX486600	205	226	5	< 0.01	60	2470	8	12	7	45	< 0.01	< 10	< 10	54	< 10	162
FX486601	205	226	2	< 0.01	58	2160	8	32	8	55	< 0.01	< 10	< 10	80	< 10	1560
FX486602	205	226	2	< 0.01	52	2130	12	4	9	25	0.01	< 10	< 10	167	< 10	498
FX486603	205	226	4	< 0.01	62	2640	16	14	7	25	< 0.01	< 10	< 10	114	< 10	2460
FX486604	205	226	1	< 0.01	68	1340	12	16	11	25	< 0.01	< 10	< 10	161	< 10	124
FX486605	205	226	< 1	< 0.01	51	500	< 2	8	12	153	< 0.01	< 10	< 10	44	< 10	62
FX486606	205	226	< 1	0.07	68	520	4	< 2	10	28	0.40	< 10	< 10	148	< 10	50
FX486607	205	226	< 1	0.03	43	730	8	2	20	53	0.04	< 10	< 10	137	< 10	74
FX486608	205	226	< 1	0.07	28	700	6	6	14	41	0.40	< 10	< 10	189	< 10	70
FX486609	214	229	3	0.02	6	70	6	< 2	2	13	0.02	< 10	< 10	10	< 10	32
FX486610	214	229	< 1	0.04	23	490	4	< 2	13	33	0.43	< 10	< 10	194	< 10	80
FX486611	205	226	3	0.03	25	960	2	< 2	4	14	0.02	< 10	< 10	48	< 10	142
FX486612	205	226	12	0.06	104	7540	12	4	6	72	0.06	< 10	< 10	119	< 10	270
FX486613	205	226	12	0.01	103	8610	8	4	4	157	< 0.01	< 10	< 10	86	< 10	356
FX486614	205	226	< 1	0.12	8	920	4	10	7	26	0.67	< 10	< 10	216	< 10	90
FX486615	205	226	< 1	0.16	10	880	4	2	6	31	0.63	< 10	< 10	207	< 10	92
FX486616	205	226	< 1	0.13	45	620	6	< 2	6	46	0.59	< 10	< 10	180	< 10	74
FX486617	205	226	< 1	0.08	81	610	10	6	8	23	0.54	< 10	< 10	169	< 10	72
FX486618	205	226	< 1	0.01	54	750	168	16	7	15	0.02	< 10	< 10	100	< 10	316
FX486619	205	226	< 1	0.01	115	930	70	18	15	21	0.01	< 10	< 10	166	< 10	1055
FX486620	205	226	4	< 0.01	51	940	62	28	3	8	< 0.01	< 10	< 10	119	< 10	630
FX486621	205	226	< 1	< 0.01	42	1260	48	22	3	8	< 0.01	< 10	< 10	67	< 10	2100
FX486622	205	226	1	< 0.01	42	440	40	12	2	3	< 0.01	< 10	< 10	37	< 10	5630
FX486623	205	226	4	< 0.01	64	1270	6	4	3	10	< 0.01	< 10	< 10	57	< 10	130
FX486624	205	226	< 1	< 0.01	37	1260	8	4	4	9	< 0.01	< 10	< 10	49	< 10	126
FX486625	205	226	< 1	< 0.01	32	1400	2	4	3	10	< 0.01	< 10	< 10	33	< 10	52
FX486626	205	226	1	< 0.01	26	570	2	< 2	2	5	< 0.01	< 10	< 10	26	< 10	40
FX486627	205	226	< 1	< 0.01	24	530	6	2	3	6	< 0.01	< 10	< 10	28	< 10	44
FX486628	205	226	< 1	< 0.01	24	400	6	6	3	4	< 0.01	< 10	< 10	29	< 10	40
FX486629	205	226	< 1	< 0.01	20	250	4	< 2	3	3	< 0.01	< 10	< 10	24	< 10	34
FX486630	205	226	< 1	< 0.01	21	430	4	< 2	3	4	< 0.01	< 10	< 10	36	< 10	42
FX486631	205	226	< 1	< 0.01	22	330	4	2	3	3	< 0.01	< 10	< 10	28	< 10	56
FX486632	205	226	< 1	< 0.01	31	500	6	16	3	3	< 0.01	< 10	< 10	58	< 10	64

CERTIFICATION:



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
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V6C 2X8

Page Number :3-A
Total Pages :3
Certificate Date: 02-JUN-95
Invoice No. : I9518226
P.O. Number :
Account : KPJ

Project : 60527-86010
Comments: ATTN: SCOTT CASSELMAN

CERTIFICATE OF ANALYSIS A9518226

SAMPLE	PREP CODE		Au ppb	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
	FA+AA																				
FX486633	205	226	< 5	< 0.2	1.43	2	430	< 0.5	< 2	0.08	0.5	7	111	61	1.65	< 10	< 1	0.11	< 10	0.69	285
FX486634	205	226	< 5	< 0.2	1.85	6	330	< 0.5	< 2	0.20	< 0.5	15	150	97	2.44	< 10	< 1	0.13	10	0.83	360

CERTIFICATION: Hunter Bickler



Chemex Labs Ltd.

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CERTIFICATE OF ANALYSIS

A9518226

SAMPLE	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
FX486633	205	226	< 1	< 0.01	22	320	2	< 2	2	3	< 0.01	< 10	< 10	29	< 10	42
FX486634	205	226	< 1	< 0.01	29	830	6	10	3	6	< 0.01	< 10	< 10	52	< 10	46

CERTIFICATION: _____



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VANCOUVER, BC
V6C 2X8

A9518228

Comments: ATTN: SCOTT CASSELMAN

CERTIFICATE

A9518228

(KPJ) - INCO EXPLORATION AND TECHNICAL SERVICES INC.

Project: 60527-86010
P.O.#:

Samples submitted to our lab in Vancouver, BC.
This report was printed on 7-JUN-95.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
299	31	Pulp; prepped on other workorder

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
902	31	Al2O3 %: XRF	XRF	0.01	100.00
906	31	CaO %: XRF	XRF	0.01	100.00
2590	31	Cr2O3 %: XRF	XRF	0.01	100.00
903	31	Fe2O3 %: XRF	XRF	0.01	100.00
908	31	K2O %: XRF	XRF	0.01	100.00
905	31	MgO %: XRF	XRF	0.01	100.00
1989	31	MnO %: XRF	XRF	0.01	100.00
907	31	Na2O %: XRF	XRF	0.01	100.00
909	31	P2O5 %: XRF	XRF	0.01	100.00
901	31	SiO2 %: XRF	XRF	0.01	100.00
904	31	TiO2 %: XRF	XRF	0.01	100.00
910	31	LOI %: XRF	XRF	0.01	100.00
2540	31	Total %	CALCULATION	0.01	105.00



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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Page Number : 1
Total Pages : 1
Certificate Date: 07-JUN-95
Invoice No. : 19518228
P.O. Number :
Account : KPJ

Project : 60527-86010
Comments: ATTN: SCOTT CASSELMAN

CERTIFICATE OF ANALYSIS A9518228

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 %
FX486553	299 --	13.91	13.67	0.03	10.88	0.11	6.70	0.18	2.48	0.16	46.89	1.54	3.39	99.94
FX486554	299 --	13.05	13.49	0.03	9.67	0.11	5.68	0.17	1.11	0.14	51.04	1.42	3.41	99.32
FX486555	299 --	14.13	10.27	0.03	10.69	0.10	7.22	0.15	3.62	0.17	47.65	1.61	3.57	99.21
FX486556	299 --	13.88	14.15	0.13	10.14	0.14	6.41	0.16	1.95	0.15	47.17	1.45	3.73	99.46
FX486557	299 --	14.49	11.03	0.05	9.32	0.23	6.91	0.13	1.25	0.12	43.98	1.24	12.03	100.80
FX486558	299 --	10.19	11.44	0.09	10.72	0.05	11.01	0.21	0.11	0.13	40.86	1.05	14.71	100.57
FX486559	299 --	14.73	7.37	0.06	10.78	0.20	7.31	0.17	4.44	0.17	47.93	1.55	4.64	99.35
FX486560	299 --	3.17	5.33	0.02	1.71	0.23	1.57	0.06	0.46	0.08	80.72	0.21	5.49	99.05
FX486561	299 --	14.36	8.52	0.05	9.30	0.38	6.16	0.17	3.50	0.12	45.89	1.24	9.85	99.54
FX486562	299 --	4.30	2.78	0.02	1.53	0.58	1.14	0.05	0.57	0.05	83.00	0.26	4.41	98.69
FX486567	299 --	5.04	0.76	0.02	2.39	1.08	1.18	0.05	0.10	0.06	86.57	0.28	2.36	99.89
FX486568	299 --	6.77	0.68	0.03	3.17	1.49	1.45	0.06	0.08	0.06	81.67	0.37	2.65	98.48
FX486569	299 --	16.29	6.15	0.05	10.34	0.55	5.87	0.16	4.30	0.13	49.25	1.41	5.04	99.54
FX486570	299 --	4.34	1.00	0.02	2.32	1.17	0.84	0.04	0.09	0.08	85.35	0.24	2.85	98.34
FX486571	299 --	10.52	5.53	0.05	5.77	0.54	3.85	0.10	2.63	0.09	63.42	0.70	5.60	98.80
FX486572	299 --	9.58	3.81	0.05	5.64	0.60	4.18	0.13	0.89	0.10	66.59	0.55	7.08	99.20
FX486574	299 --	15.58	7.47	0.07	8.89	0.81	7.80	0.50	2.47	0.08	49.06	0.86	6.35	99.94
FX486580	299 --	13.69	10.28	0.08	11.48	0.10	6.68	0.19	3.38	0.18	46.35	1.74	5.87	100.02
FX486582	299 --	9.58	16.56	0.04	5.21	1.28	2.83	0.11	0.14	0.09	49.40	0.81	12.83	98.88
FX486583	299 --	15.93	7.52	0.01	11.28	0.47	4.00	0.15	4.64	0.25	49.18	2.04	3.69	99.16
FX486589	299 --	16.17	9.09	0.06	9.87	0.09	6.42	0.16	2.64	0.12	47.03	1.47	5.96	99.08
FX486590	299 --	16.97	2.16	0.08	10.54	0.94	7.17	0.11	0.76	0.15	52.10	1.70	7.31	99.99
FX486594	299 --	7.28	2.32	0.04	4.02	0.24	1.91	0.04	2.84	0.18	77.11	0.38	2.56	98.92
FX486595	299 --	12.49	3.45	0.02	6.20	0.52	3.82	0.10	4.43	0.20	63.93	1.10	3.02	99.28
FX486606	299 --	14.02	10.37	0.05	9.77	0.23	8.30	0.16	2.87	0.13	47.55	1.27	5.32	100.04
FX486607	299 --	18.07	4.23	0.04	10.59	0.27	4.46	0.23	3.59	0.19	47.53	1.73	9.21	100.14
FX486608	299 --	15.86	9.42	0.03	9.81	0.50	5.31	0.18	3.37	0.17	48.32	1.51	5.56	100.04
FX486609	-- --	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss
FX486610	-- --	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss
FX486614	299 --	16.11	7.90	0.04	11.73	0.35	4.33	0.19	4.18	0.23	49.08	2.07	3.45	99.66
FX486615	299 --	16.43	7.73	0.09	11.61	0.30	4.51	0.18	4.33	0.22	50.43	1.96	2.74	100.53
FX486616	299 --	14.83	10.45	0.14	11.45	0.20	6.93	0.18	2.73	0.15	48.48	1.63	3.07	100.24
FX486617	299 --	13.63	9.55	0.04	11.17	0.11	8.66	0.17	3.07	0.15	47.32	1.46	4.14	99.47

CERTIFICATION:



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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V6C 2X8

A9518227

Comments: ATTN: SCOTT CASSELMAN

CERTIFICATE

A9518227

(KPJ) - INCO EXPLORATION AND TECHNICAL SERVICES INC.

Project: 60527-86010
P.O.#:

Samples submitted to our lab in Vancouver, BC.
This report was printed on 7-JUN-95.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
200	10	Whole rock fusion
299	10	Pulp; prepped on other workorder

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
594	10	Al2O3 %: Whole rock	ICP-AES	0.01	100.00
588	10	CaO %: Whole rock	ICP-AES	0.01	100.0
590	10	Cr2O3 %: Whole Rock	ICP-AES	0.01	100.0
586	10	Fe2O3(total) %: Whole rock	ICP-AES	0.01	100.00
821	10	K2O %: Whole rock	ICP-AES	0.01	100.00
593	10	MgO %: Whole rock	ICP-AES	0.01	100.00
596	10	MnO %: Whole rock	ICP-AES	0.01	100.00
599	10	Na2O %: Whole rock	ICP-AES	0.01	100.00
597	10	P2O5 %: Whole rock	ICP-AES	0.01	100.00
592	10	SiO2 %: Whole rock	ICP-AES	0.01	100.00
595	10	TiO2 %: Whole rock	ICP-AES	0.01	100.00
475	10	L.O.I. %: Loss on ignition	FURNACE	0.01	99.99
540	10	Total %	CALCULATION	0.01	105.00



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Page Number : 1
 Total Pages : 1
 Certificate Date: 07-JUN-95
 Invoice No. : 19518227
 P.O. Number :
 Account : KPJ

Project : 60527-86010
 Comments: ATTN: SCOTT CASSELMAN

CERTIFICATE OF ANALYSIS A9518227

SAMPLE	PREP CODE	Al2O3 %	CaO %	Cr2O3 %	Fe2O3 %	K2O %	MgO %	MnO %	Na2O %	P2O5 %	SiO2 %	TiO2 %	LOI %	TOTAL %
FX486596	200 299	7.69	5.30	0.09	4.53	0.45	3.12	0.08	1.37	0.82	71.30	0.44	5.75	100.95
FX486597	200 299	8.13	4.53	0.10	3.32	0.57	3.08	0.08	1.75	0.84	71.70	0.46	4.85	99.41
FX486598	200 299	7.18	4.34	0.09	7.78	0.24	3.62	0.09	1.25	0.77	67.33	0.40	6.44	99.53
FX486599	200 299	7.97	2.73	0.09	3.28	0.87	4.27	0.08	0.15	0.87	74.99	0.47	5.19	100.95
FX486600	200 299	9.56	3.42	0.08	5.06	1.15	4.36	0.11	0.14	0.68	68.03	0.77	7.36	100.70
FX486601	200 299	10.53	3.24	0.06	12.05	0.80	3.54	0.12	0.14	0.57	56.52	1.01	10.93	99.51
FX486602	200 299	12.89	1.17	0.06	10.58	0.41	4.89	0.10	0.16	0.59	59.68	1.36	8.34	100.25
FX486603	200 299	9.68	1.16	0.07	9.16	0.35	4.10	0.07	0.24	0.71	67.11	0.82	6.73	100.20
FX486604	200 299	13.16	1.94	0.05	10.64	0.37	6.61	0.12	0.06	0.40	57.00	1.27	7.93	99.55
FX486605	200 299	12.65	14.99	0.02	8.58	1.50	1.93	0.15	0.18	0.14	38.51	1.25	11.42	91.32

CERTIFICATION: Went Buchler

JUN 6 1995

INCO

FIELD EXPLORATION OFFICE, COPPER CLIFF.
MEMORANDUM

TO S. Casselman ✓

FROM A.R. Clark DATE May 23, 1995

SUBJECT XRF ANALYSES FOR 52 SAMPLES FROM C.M. CLAIMS, B.C.

Attached are XRF trace element analyses for 52 samples submitted by you from C.M. Claims, British Columbia.


A.R. Clark

xc: R.A. Alcock
H.C. Mackowiak
P.J. Rush

C.M. CLAIMS, BRITISH COLUMBIA

F2120.MTX96

XRF ANALYSES

MAY 23, 1995

SAMPLE NO.	NB PPM	ZR PPM	Y PPM	SR PPM	RB PPM	BA %
FX 486501	<5	99	31	60	<5	0.04
FX 486502	<5	102	31	129	5	0.12
FX 486503	<5	101	32	174	9	0.16
FX 486504	<5	102	34	127	9	0.15
FX 486505	<5	96	30	110	<5	0.07
FX 486506	<5	105	28	140	9	0.10
FX 486507	<5	83	28	39	<5	0.06
FX 486508	7	104	33	30	<5	0.03
FX 486509	8	122	39	32	<5	0.03
FX 486510	8	138	34	35	<5	0.03
FX 486511	<5	128	41	46	<5	0.02
FX 486512	<5	117	37	104	<5	0.02
FX 486513	<5	97	28	25	<5	0.06
FX 486514	<5	103	32	148	5	0.09
FX 486515	<5	103	29	177	8	0.06
FX 486516	<5	91	31	130	7	0.05
FX 486517	<5	88	31	108	<5	0.03
FX 486518	<5	70	24	146	<5	0.03
FX 486519	5	74	25	72	<5	0.02
FX 486520	<5	83	31	131	<5	0.01
FX 486521	5	79	31	212	<5	0.01
FX 486522	<5	76	27	164	8	0.05
FX 486523	<5	67	29	102	<5	0.02
FX 486524	<5	122	32	51	<5	0.03
FX 486525	<5	131	28	69	<5	0.04
FX 486526	<5	83	28	55	<5	0.02
FX 486527	<5	82	29	123	<5	0.12
FX 486528	8	89	23	52	<5	0.05
FX 486529	9	111	35	40	7	0.09
FX 486530	7	81	24	20	20	0.18
FX 486531	6	81	64	129	43	0.21
FX 486532	7	95	67	90	56	0.24
FX 486533	7	93	63	143	43	0.22
FX 486534	20	138	23	825	16	0.22
FX 486535	6	111	41	45	27	0.18
DETECTION LIMITS	5	5	5	5	5	0.01

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

C.M. CLAIMS, BRITISH COLUMBIA

F2120.MTX96

XRF ANALYSES

MAY 23, 1995

SAMPLE NO.	NB PPM	ZR PPM	Y PPM	SR PPM	RB PPM	BA %
FX 486536	24	140	24	828	15	0.21
FX 486537	6	119	46	58	22	0.14
FX 486538	<5	119	38	160	<5	0.03
FX 486539	<5	142	41	63	<5	<0.01
FX 486540	26	151	28	771	22	0.08
FX 486541	<5	166	47	135	<5	0.01
FX 486542	18	141	25	734	26	0.10
FX 486543	<5	109	35	162	<5	0.02
FX 486544	<5	114	38	190	<5	0.03
FX 486545	5	98	22	31	<5	0.04
FX 486546	7	100	22	11	26	0.11
FX 486547	5	60	10	18	7	0.05
FX 486548	<5	140	35	121	<5	0.04
FX 486549	6	73	52	73	45	0.15
FX 486550	6	72	58	104	39	0.11
FX 486551	6	73	52	66	41	0.13
FX 486552	7	110	64	89	48	0.09
3RHY3-3	22	320	139	15	114	0.08
VALL-3	<5	72	11	59	25	0.01
DETECTION LIMITS	5	5	5	5	5	0.01

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

INCO

FIELD EXPLORATION OFFICE, COPPER CLIFF.
MEMORANDUM

JUN 22 1995

TO J.A. Morin

FROM A.R. Clark DATE June 15, 1995

SUBJECT XRF ANALYSES FOR 82 SAMPLES FROM C.M. CLAIMS, B.C.

Attached are XRF trace element analyses for 82 samples submitted by you from C.M. Claims, British Columbia.



A.R. Clark

xc: R.A. Alcock
H.C. Mackowiak
P.J. Rush ✓

CM CLAIMS 60527-86010
 F2125&6.MTX94
 XRF ANALYSES

JUNE 14 1995

SAMPLE NO.	NB PPM	ZR PPM	Y PPM	SR PPM	RB PPM
FX 486553	<5	114	35	64	<5
FX 486554	<5	106	34	37	<5
FX 486555	<5	118	39	60	<5
FX 486556	<5	107	31	41	<5
FX 486557	<5	88	28	74	<5
FX 486558	<5	77	24	87	<5
FX 486559	<5	112	34	189	<5
FX 486560	5	99	12	40	<5
FX 486561	<5	82	26	135	11
FX 486562	7	100	15	22	11
FX 486563	8	140	17	22	48
FX 486564	8	80	14	26	28
FX 486565	<5	51	12	22	21
FX 486566	6	56	11	19	27
FX 486567	7	107	16	14	45
FX 486568	8	128	20	13	60
FX 486569	<5	89	27	191	10
FX 486570	7	87	17	15	44
FX 486571	6	111	22	98	9
FX 486572	<5	74	21	56	15
FX 486573	6	124	23	9	21
FX 486574	<5	54	20	167	20
FX 486575	6	69	12	27	19
FX 486576	6	54	16	13	21
FX 486577	6	54	16	14	27
FX 486578	5	59	9	80	13
FX 486579	6	91	26	28	16
FX 486580	<5	126	41	130	<5
FX 486581	6	114	34	39	<5
FX 486582	<5	67	22	158	33
FX 486583	6	181	44	279	8
FX 486584	6	74	20	31	<5
FX 486585	7	81	36	37	<5
FX 486586	5	161	153	258	<5
FX 486587	9	152	52	67	7
DETECTION LIMITS	5	5	5	5	5

INCO LIMITED
 FIELD EXPLORATION ASSAY LAB
 COPPER CLIFF



CM CLAIMS 60527-86010


F2125&6.MTX94

XRF ANALYSES

JUNE 14 1995

SAMPLE NO.	NB PPM	ZR PPM	Y PPM	SR PPM	RB PPM
FX 486588	9	133	50	73	9
FX 486589	<5	100	30	120	<5
FX 486590	5	107	30	47	24
FX 486591	5	149	40	154	13
FX 486592	7	166	50	124	<5
FX 486593	8	163	51	95	5
FX 486594	8	108	30	70	<5
FX 486595	7	130	35	150	9
FX 486596	8	129	42	69	11
FX 486597	10	141	45	76	15
FX 486598	9	127	39	74	10
FX 486599	11	141	47	40	25
FX 486600	7	137	45	43	35
FX 486601	7	140	46	58	23
FX 486602	8	162	53	24	12
FX 486603	8	152	46	25	11
FX 486604	5	133	37	23	11
FX 486605	<5	93	29	119	54
FX 486606	<5	91	30	155	<5
FX 486607	7	138	39	179	7
FX 486608	<5	117	36	221	13
FX 486609	27	324	141	24	110
FX 486610	5	106	30	106	15
FX 486611	5	78	18	28	5
FX 486612	8	96	62	93	8
FX 486613	9	91	66	145	32
FX 486614	5	145	42	228	9
FX 486615	7	160	48	215	<5
FX 486616	<5	112	35	191	6
FX 486617	<5	106	33	161	<5
FX 486618	7	126	24	36	12
FX 486619	6	131	29	82	5
FX 486620	5	82	24	8	<5
FX 486621	5	94	23	12	6
FX 486622	5	86	17	<5	<5
DETECTION LIMITS	5	5	5	5	5


INCO LIMITED
 FIELD EXPLORATION ASSAY LAB
 COPPER CLIFF

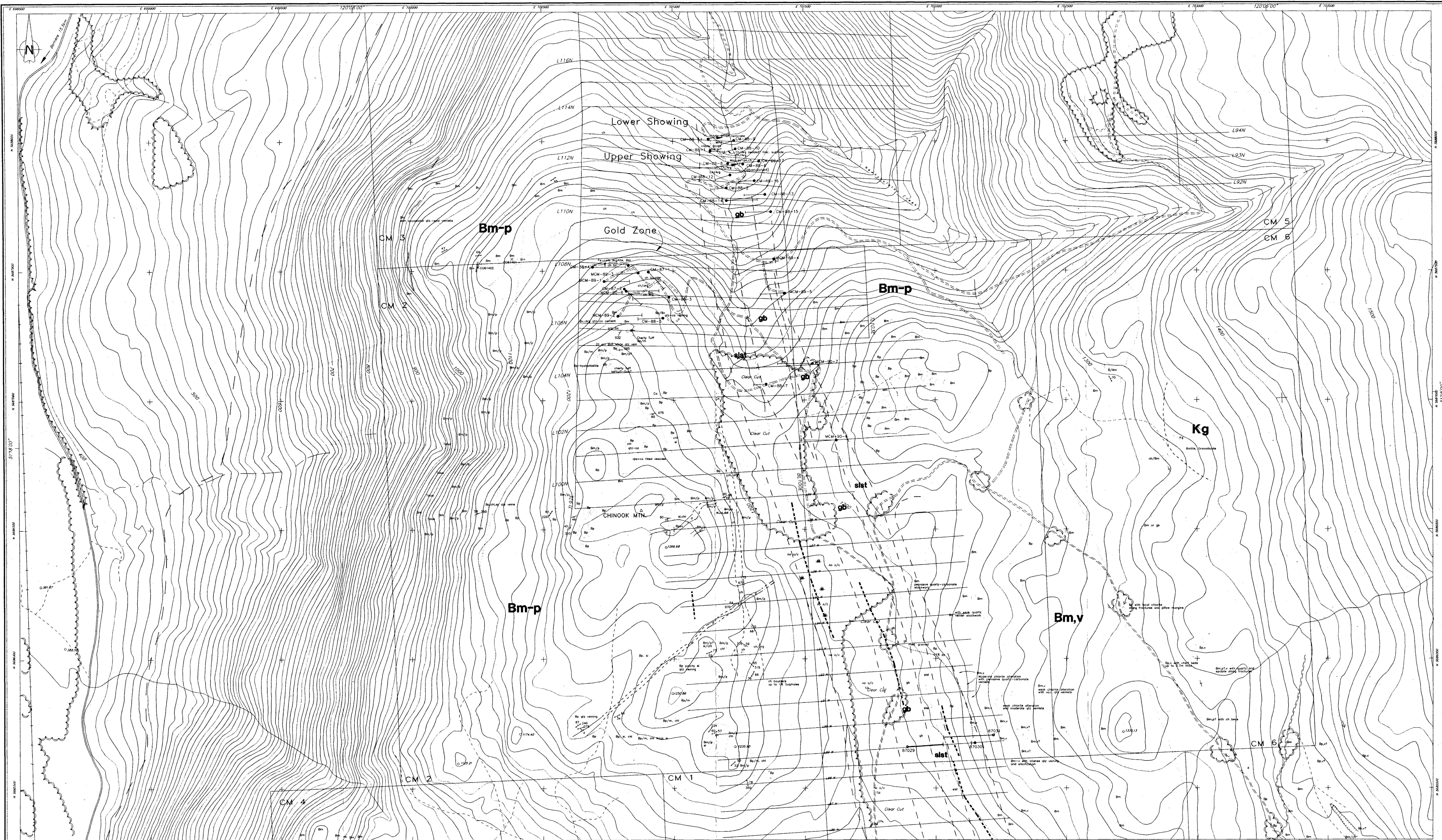


CM CLAIMS 60527-86010
F2125&6.MTX94
XRF ANALYSES

JUNE 14 1995

SAMPLE NO.	NB PPM	ZR PPM	Y PPM	SR PPM	RB PPM
FX 486623	9	119	32	8	29
FX 486624	9	125	36	12	42
FX 486625	8	164	35	12	29
FX 486626	8	118	22	9	29
FX 486627	8	113	22	8	34
FX 486628	8	115	19	5	32
FX 486629	8	97	19	<5	26
FX 486630	7	115	22	6	22
FX 486631	7	98	21	5	11
FX 486632	7	108	23	<5	20
FX 486633	6	84	17	7	10
FX 486634	7	92	24	7	10
BAS1/5-5	8	105	33	146	11
BAS1/5-5	5	102	31	146	14
2BAS	<5	105	29	101	15
3BAS3-3	6	104	33	120	13
RHY1/5-5	26	306	130	16	106
RHY1/5-5	27	311	130	17	108
2RHY	27	308	133	25	105
VAL1-3	<5	70	9	57	29
DETECTION LIMITS	5	5	5	5	5

INCO LIMITED
FIELD EXPLORATION ASSAY LAB
COPPER CLIFF 



LEGEND

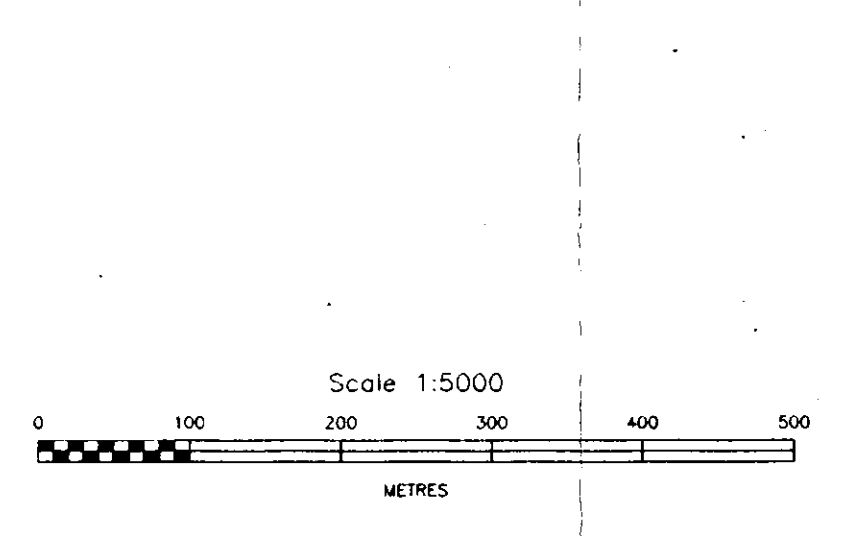
[thick line]	AREAS OF THICK GLACIAL TILL COVER
CRETACEOUS INTRUSIVE ROCKS	
[Kg]	BALDY BATHOLITH - GRANODIORITE
[d]	DIORITE
DEVONIAN & PERMIAN FENNEL FORMATION	
[B]	BASALTIC VOLCANIC ROCKS
[Bm]	MASSIVE BASALT
[Bp]	PILLOWED BASALT
[Bm/p]	MASSIVE AND OR PILLOWED BASALT
[Bv]	VARIOLITIC BASALT
[gb]	GABBRO
[db]	DIABASE
SEDIMENTARY ROCKS	
[ch]	CHERT
[qg]	ARCILLITE

SYMBOLS

---	GEOLOGICAL BOUNDARY (defined, approximate)
- - -	FAULT
	BEDDING MEASUREMENT
~	CLEAVAGE
~	FOLIATION
~	PILLOW TOPS (known)
~	BRECCIA
→	GLACIAL STRIAE
+	DIAMOND DRILL HOLE

SYMBOLS

○	OUTCROP
x	SMALL OUTCROP LOCATION
---	GRAVEL LOGGING ROAD
---	TRAIL
---	LOGGED AREA
---	CREEK OR STREAM
chl	chloritized
qz	silicified
qz	quartz
ca	calcite
bx	breccia
dpl	dolomitization
---	Max/Min Conductor
+	1995 Diamond Drill Hole



SHEET 3
SHEET 2
SHEET 1

24,180
INCO EXPLORATION

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

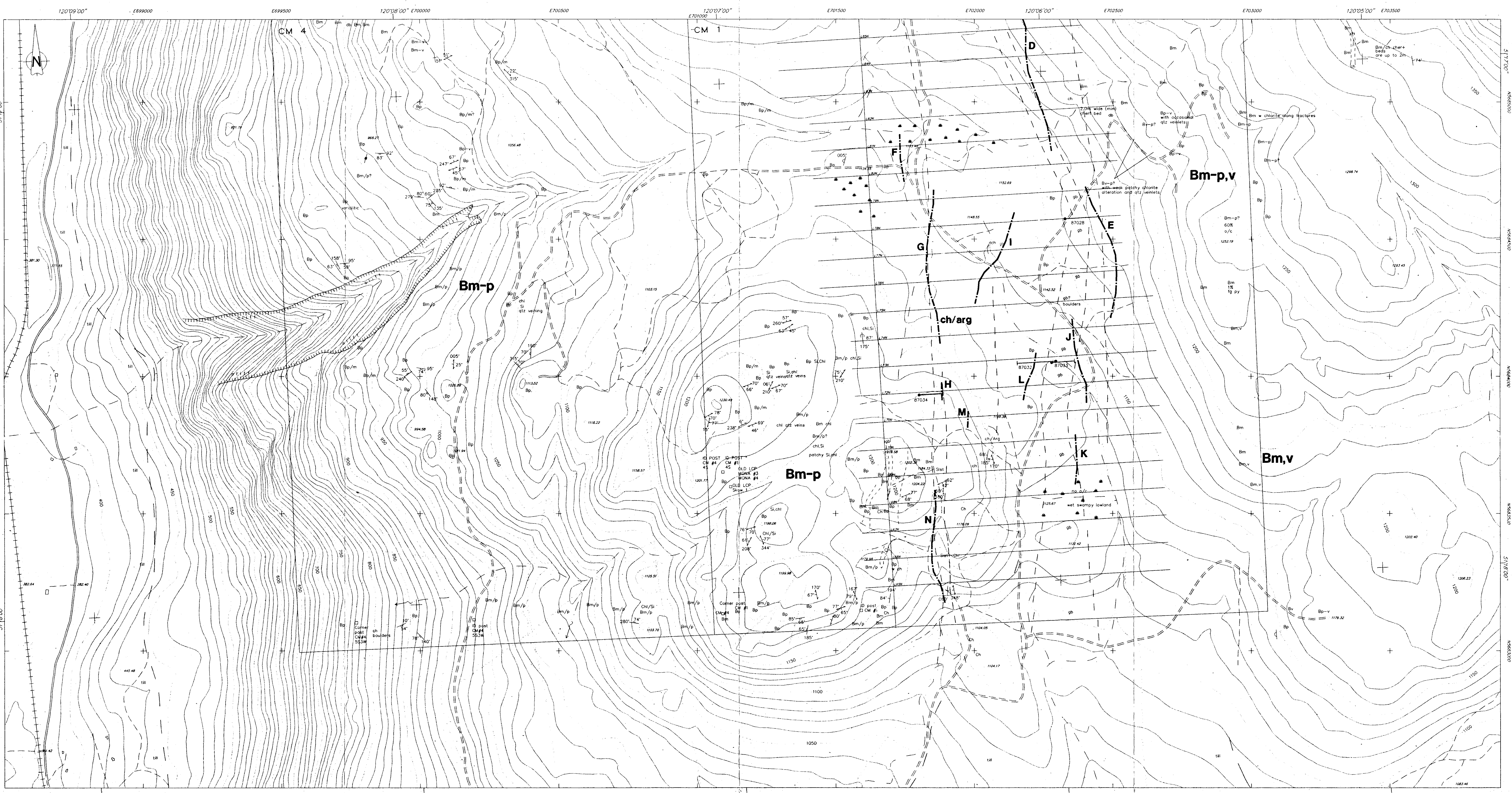
GEOLGY MAP

Supervisor: Scott Casselman Instrument: Survey date: 05/09/94
Compiled by: Scott Casselman, Cam Bell Drawn by: Ian Cassidy Date drawn: 11/15/95
Scale: 1:5000 File: C16038.DWG N.T.S. 92P/8

SHEET 2/3 FIGURE 4

GEOLOGICAL BRANCH
ASSESSMENT REPORT

Vancouver, B.C.
V6C 2X8



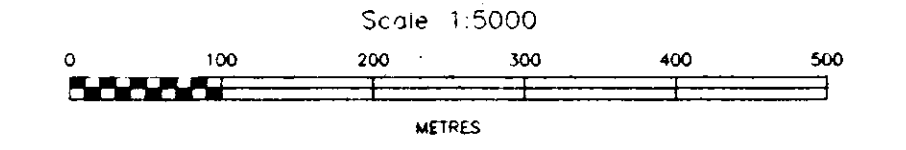
- LEGEND**
- [hll] AREAS OF THICK GLACIAL TILL COVER
 - CRETACEOUS INTRUSIVE ROCKS
 - [Kg] BALDY BATHOLITH - GRANODIORITE
 - [d] DIORITE
 - DEVONIAN & PERMIAN FENNEL FORMATION
 - [B] BASALTIC VOLCANIC ROCKS
 - Bm MASSIVE BASALT
 - Bp PILLOWED BASALT
 - Bm/p MASSIVE AND OR PILLOWED BASALT
 - Bv VARIOLITIC 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
 - GLACIAL STRIAE
 - 1995 Diamond Drill Hole
 - Maxmin Conductor

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

GEOLOGICAL BRANCH
ASSESSMENT REPORT

24,180



- SHEET 1
- SHEET 2
- SHEET 3

INCO EXPLORATION		Vancouver, B.C. V6C 2A8	
Project: CM PROJECT	Area: BARRIERE, B.C.		
GEOLOGY MAP		SHEET	FIGURE
		3/3	5
Supervisor: Scott Casselman	Instrument:	Survey date:	(2)
Compiled by: Scott Casselman, Glen Selt	Drawn by: Ian Cassidy	Date drawn: 05/09/94	Revised: 11/10/95
Scale: 1:5000	Plot: -H032.DWG	NTS: 929/8	

EAST

WEST

GEOLOGIC APPRAISAL REPORT

24,180

LEGEND

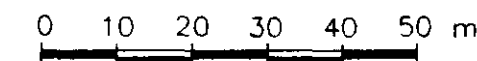
DEVONIAN AND PERMIAN FENNEL FORMATION

- porph Porphyritic Basalt Dyke
- gb Gabbro
- Bm Massive Basalt
- Bp Pillowed Basalt
- bx Brecciated Basalt
- hy Hyaloclastite
- Bpch Mixed Chert and Pillowed Basalt
- mdst Mudstone
- slst Siltstone
- ch Chert

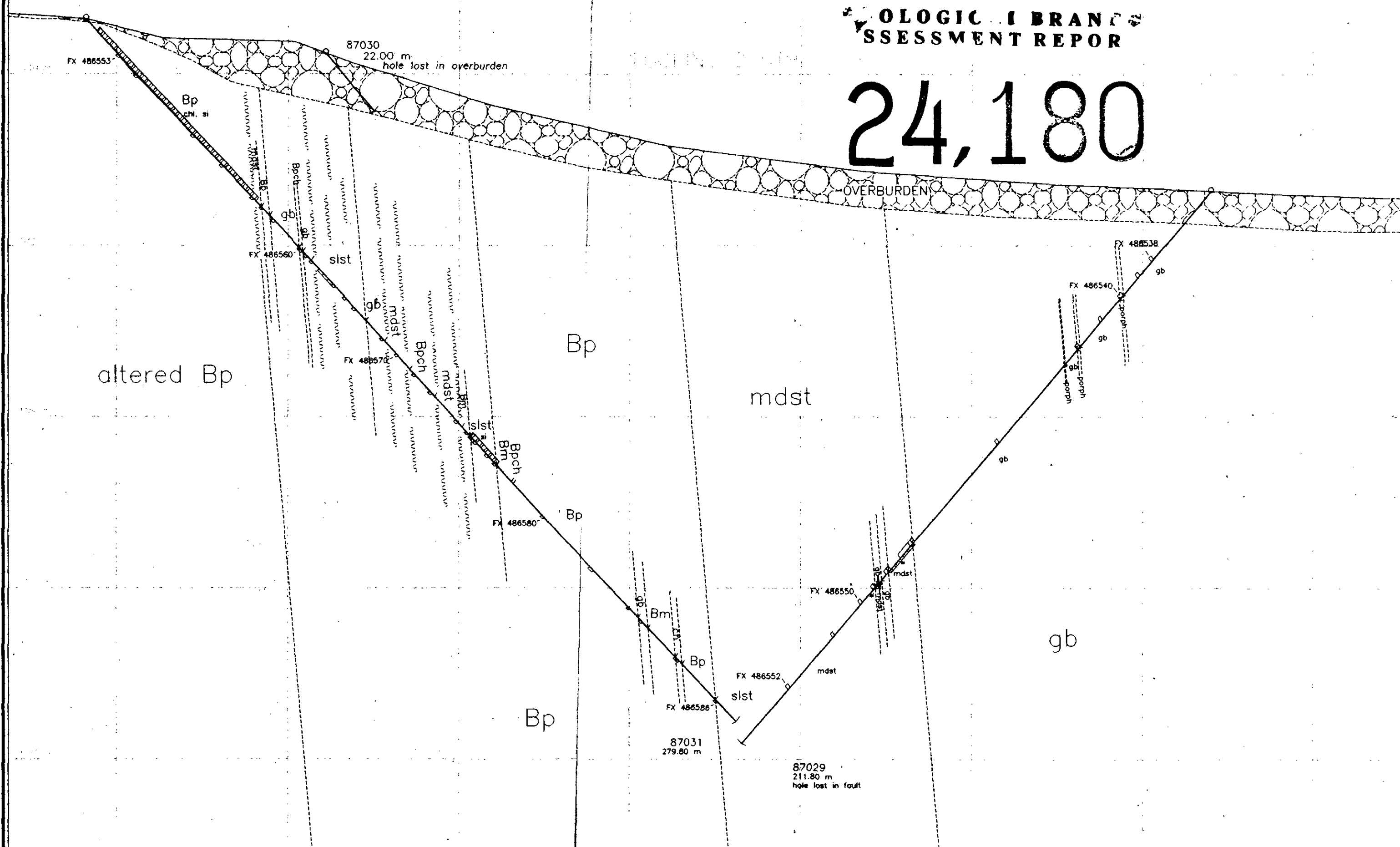
- si Silicified
- ca Carboniferous
- gr Graphitic
- ca vn Calcite Veined
- qtz vn Quartz Veined
- chl Chloritized
- py Pyrite
- po Pyrrhotite
- cp Chalcopyrite

- Fault
- Geological Contact (assumed)
- Sample Number and Location

SCALE 1:1,000



INCO LIMITED
 BRITISH COLUMBIA
 CM PROPERTY
 DRILL SECTION 8900 N



EAST

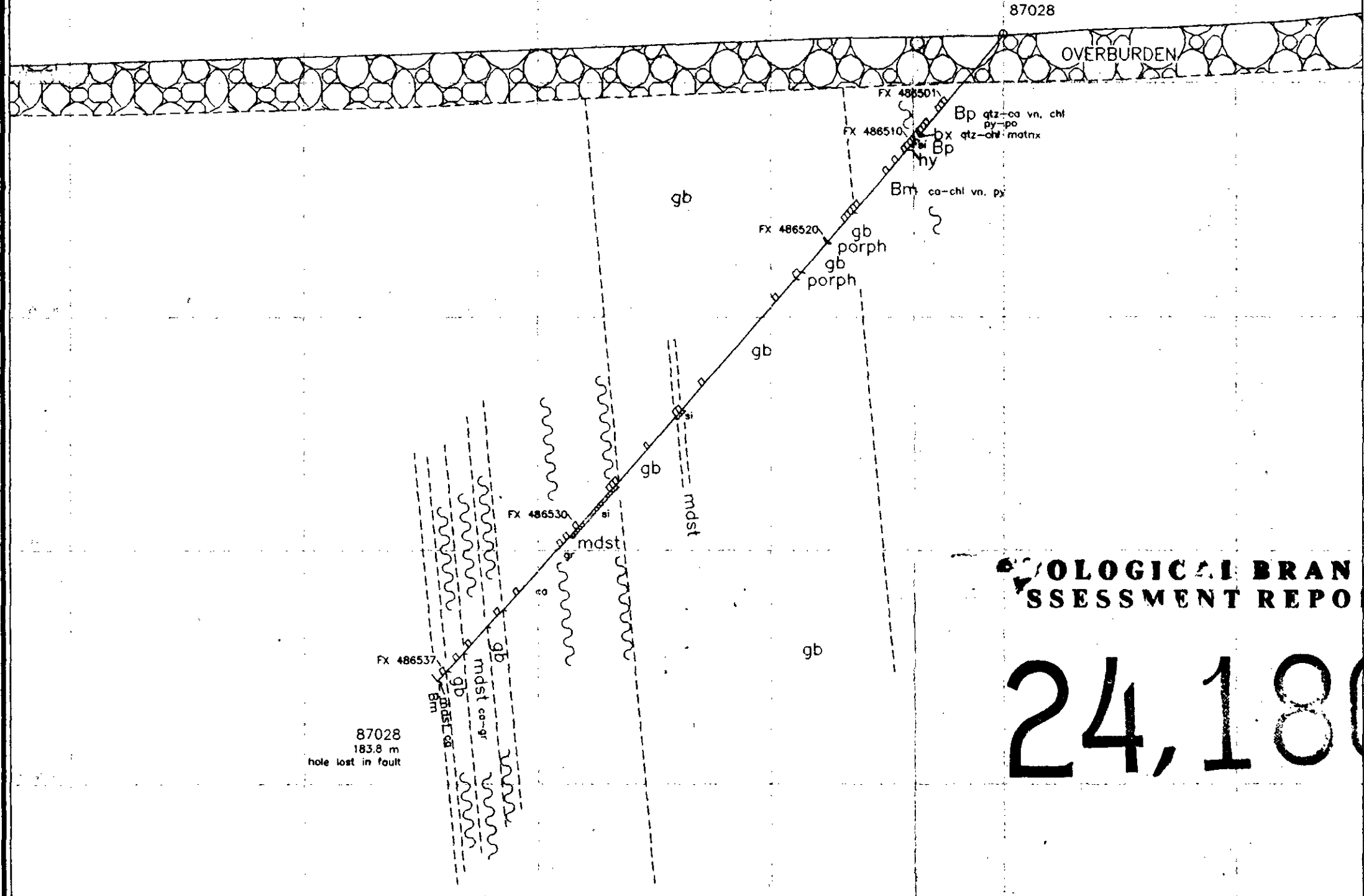
WEST

LEGEND

DEVONIAN AND PERMIAN FENNEL FORMATION

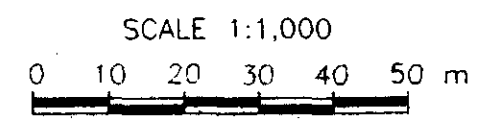
- porph Porphyritic Basalt Dyke
- gb Gabbro
- Bm Massive Basalt
- Bp Pillowed Basalt
- bx Brecciated Basalt
- hy Hyaloclastite
- Bpch Mixed Chert and Pillowed Basalt
- mdst Mudstone
- slst Siltstone
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- si Silicified
- ca Carboniferous
- gr Graphitic
- ca vn Calcite Veined
- qtz vn Quartz Veined
- chl Chloritized
- py Pyrite
- po Pyrrhotite
- cp Chalcopyrite
- ~ Fault
- - - Geological Contact (assumed)
- FX 486577-□ Sample Number and Location



GEOLOGICAL BRANCH ASSESSMENT REPORT

24,180



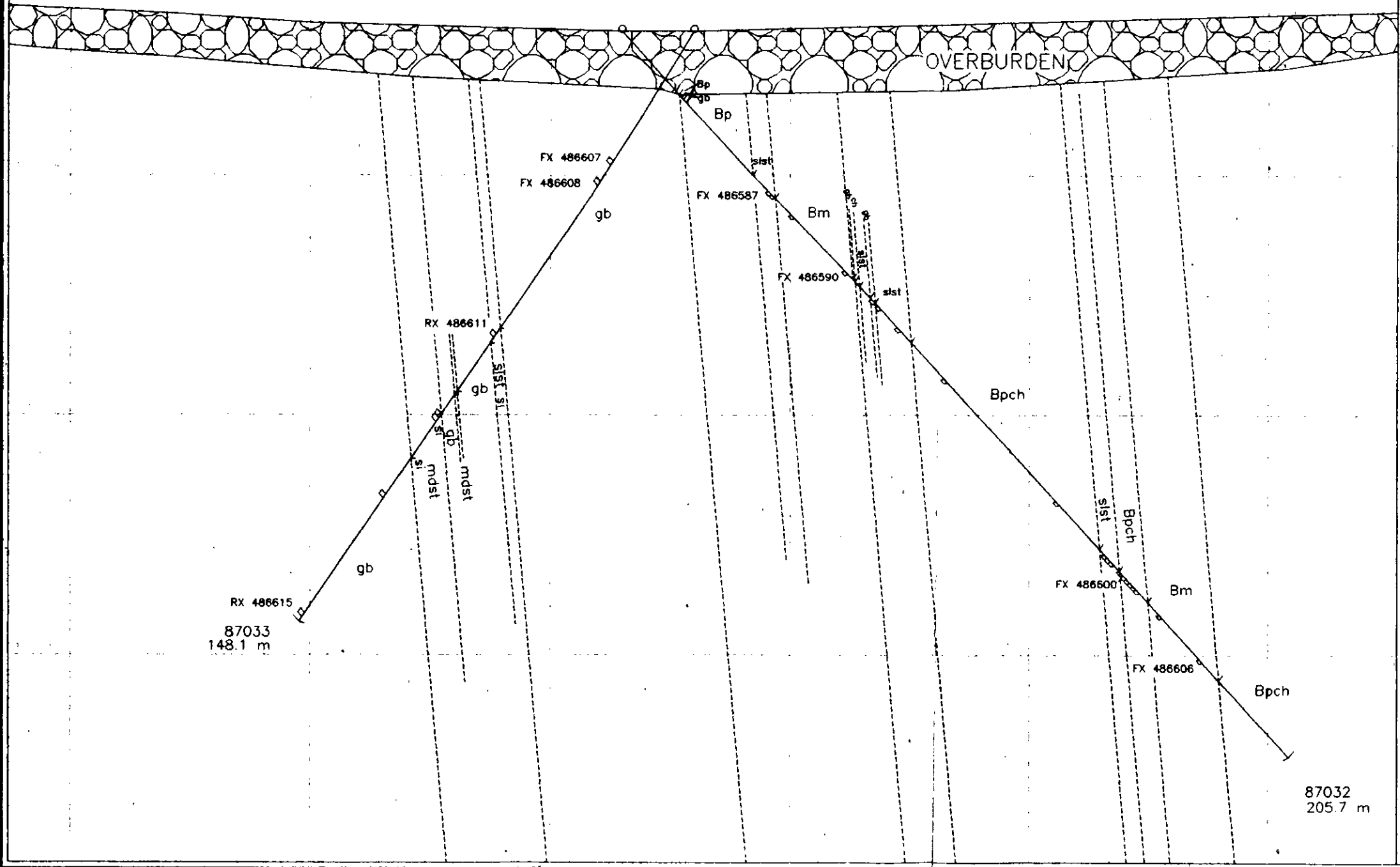
INCO LIMITED
 BRITISH COLUMBIA
 CM PROPERTY
 DRILL SECTION 7800 N

EAST

WEST

GEOLOGICAL BRANCH
ASSESSMENT REPORT

24,180

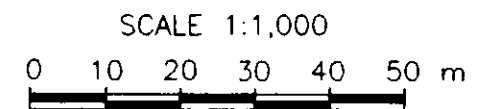


LEGEND

DEVONIAN AND PERMIAN FENNEL FORMATION

- porph Porphyritic Basalt Dyke
- gb Gabbro
- Bm Massive Basalt
- Bp Pillowed Basalt
- bx Brecciated Basalt
- hy Hyaloclastite
- Bpch Mixed Chert and Pillowed Basalt
- mdst Mudstone
- slst Siltstone
- ch Chert

- si Silicified
- ca Carboniferous
- gr Graphitic
- ca vn Calcite Veined
- qtz vn Quartz Veined
- chl Chloritized
- py Pyrite
- po Pyrrhotite
- cp Chalcopyrite
- Fault
- Geological Contact (assumed)
- Sample Number and Location



INCO LIMITED
 BRITISH COLUMBIA
 CM PROPERTY
 DRILL SECTION 7300 N

RX 486615
87033
148.1 m

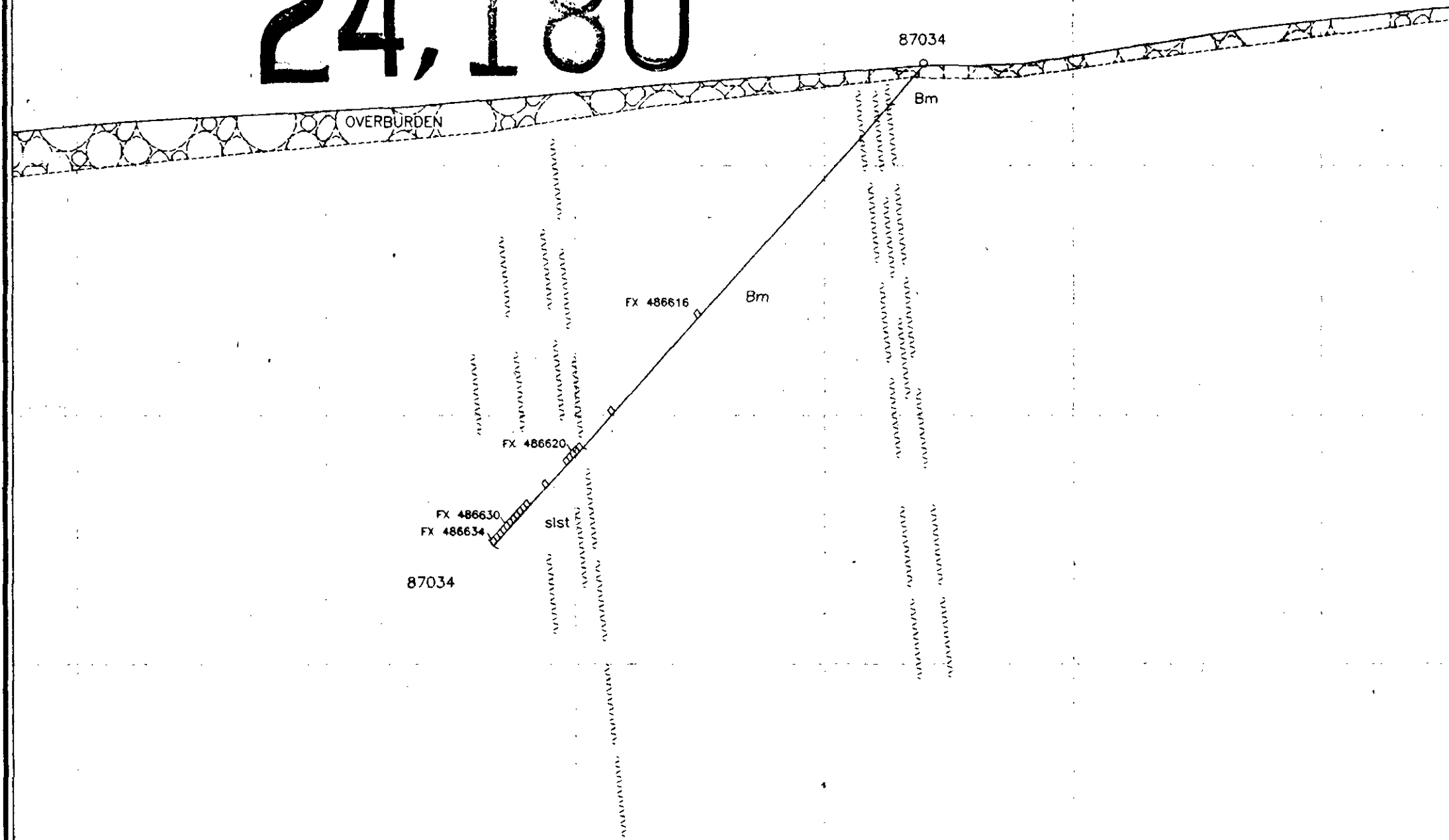
87032
205.7 m

EAST

GEOLOGICAL BRANCH
ASSESSMENT REPORT

WEST

24,180



LEGEND

DEVONIAN AND PERMIAN FENNEL FORMATION

- porph Porphyritic Basalt Dyke
- gb Gabbro
- Bm Massive Basalt
- Bp Pillowed Basalt
- bx Brecciated Basalt
- hy Hyaloclastite
- Bpch Mixed Chert and Pillowed Basalt
- mdst Mudstone
- slst Siltstone
- ch Chert

- si Silicified
- ca Carboniferous
- gr Graphitic
- ca vn Calcite Veined
- qtz vn Quartz Veined
- chl Chloritized
- py Pyrite
- po Pyrrhotite
- cp Chalcopyrite
- Fault
- Geological Contact (assumed)
- fx 486577-d Sample Number and Location

SCALE 1:1,000



INCO LIMITED
 BRITISH COLUMBIA
 CM PROPERTY
 DRILL SECTION 7200 N