

MAP NO:116A/10

ASSESSMENT REPORT: X

DOCUMENT NO: 093227

PROSPECTUS:

MINING DISTRICT: Mayo

CONFIDENTIAL: X

TYPE OF WORK:Diamond Drilling

OPEN FILE:

REPORT FILED UNDER: Inco Exploration and Technical Services Inc.

DATE PERFORMED:June 20-29, 1994

DATE FILED:November 28,1994

LATITUDE:64 39N

AREA:Hart River

LONGITUDE:136 50W

VALUE:\$6400

CLAIM NAME AND #:Mark 1,3,4,12-14,19-20, Core 1-3, Arm 41-44

WORK DONE BY:Denis Bohme

WORK DONE FOR:Inco Exploration and Technical Services Inc.

DATE TO GOOD STANDING	

REMARKS:Drill log for Hole #87024 drilled on the Mark 13 claim. Hole was drilled to test an east-west trending electromagnetic anomaly known as Conductor "C" for massive sulphide mineralization similar to the Mark deposit located approximately 1 km to the east. Weakly anomalous copper, lead and zinc value were intersected and are associated with thin pyrrhotite-rich veinlets in argillite. The highest base metal value encountered was 2880 ppm Zn over 0.4 meters.





HART RIVER PROJECT  
MAYO MINING DISTRICT, YUKON  
N.T.S. 116A/10

1093227

DIAMOND DRILL REPORT FOR CLAIMS:

Mark	1	-	YO	6283
Mark	3	-	YO	6285
Mark	4	-	YO	6286
Mark	12	-	YO	6469
Mark	13	-	YO	6470
Mark	14	-	YO	6471
Mark	19	-	YO	6476
Mark	20	-	YO	6477
Core	1	-	YO	77560
Core	2	-	YO	77561
Core	3	-	YO	77562
Arm	41	-	YO	22481
Arm	42	-	YO	22482
Arm	43	-	YO	22483
Arm	44	-	YO	22484

Work period: June 20 - June 29, 1994

Latitude 64° 39'N Longitude 136° 50'W

Dennis M. Bohme, P.Eng.

Inco Exploration and Technical Services Inc.

November 17, 1994

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## INTRODUCTION

Inco Ltd. (Inco) staked 40 Arm claims in November 1992 to cover favourable stratigraphy adjacent to the Mark and Core claims held by Calypso Developments Ltd. (Calypso). Calypso's property covers the Mark Deposit (about 500,000 tons grading 3.65% Zn, 0.87% Pb, 1.45% Cu, 1.45 oz/ton Ag and 0.04 oz/ton Au). On January 2, 1993, Inco and Calypso entered into an agreement which grants Inco an option to purchase the Mark and Core claim group.

During the summer of 1993, Inco conducted electromagnetic (EM-37) and magnetic surveys, surface mapping/sampling and a 5-hole diamond drill program totalling 1556.1 metres. Four additional claims (Arm 41 - 44) were staked in August.

In 1994, Inco conducted electromagnetic (max-min) and magnetic surveys and a 5-hole diamond drill program totalling 1652 metres. The Arm 45 - 85 claims were staked in July.

This report refers specifically to diamond drill hole 87024 which was collared on the Mark 13 claim.

### **Location and Access**

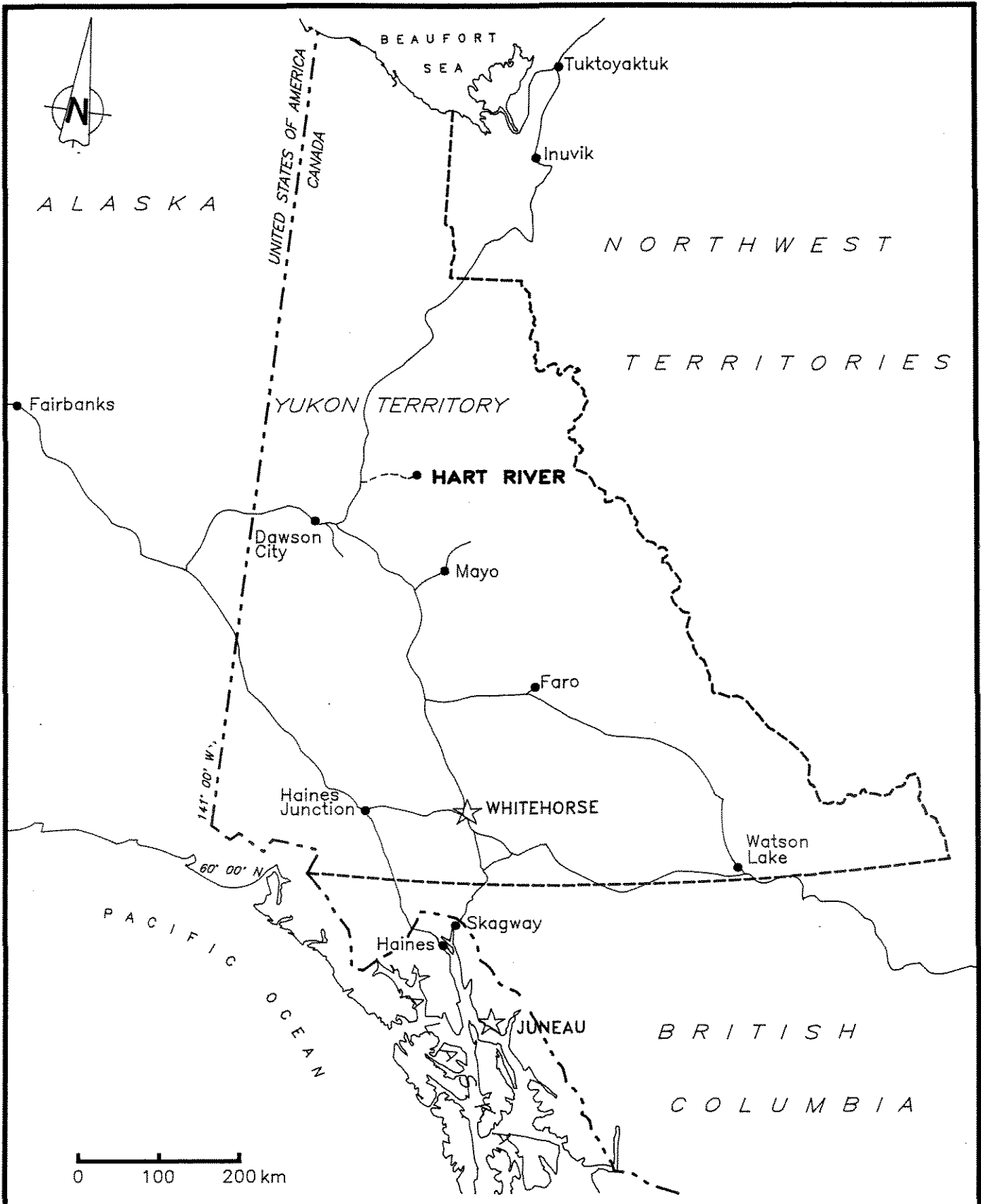
The Hart River property is located at latitude 64° 39' N and longitude 136° 50' W on Mark Creek, a northerly flowing tributary of Hart River (Figure 1). The property is 140 km northeast of Dawson City and 120 km northwest of Mayo in the Ogilvie Mountains.

The property is accessible by helicopter or by small fixed-wing aircraft to a gravel airstrip with a maximum useable length of 500 metres. The airstrip was used regularly by a Cessna 206 and several mob-demob trips were also made by Single Otter and Pilatus Porter aircraft. Takeoff payload is limited to about half of the normal limit due to the elevation and length of the airstrip.

Adequate water is available from Mark Creek for the camp and drill. A 10-person tent camp was constructed along the east side of the airstrip.

### **Property Status**

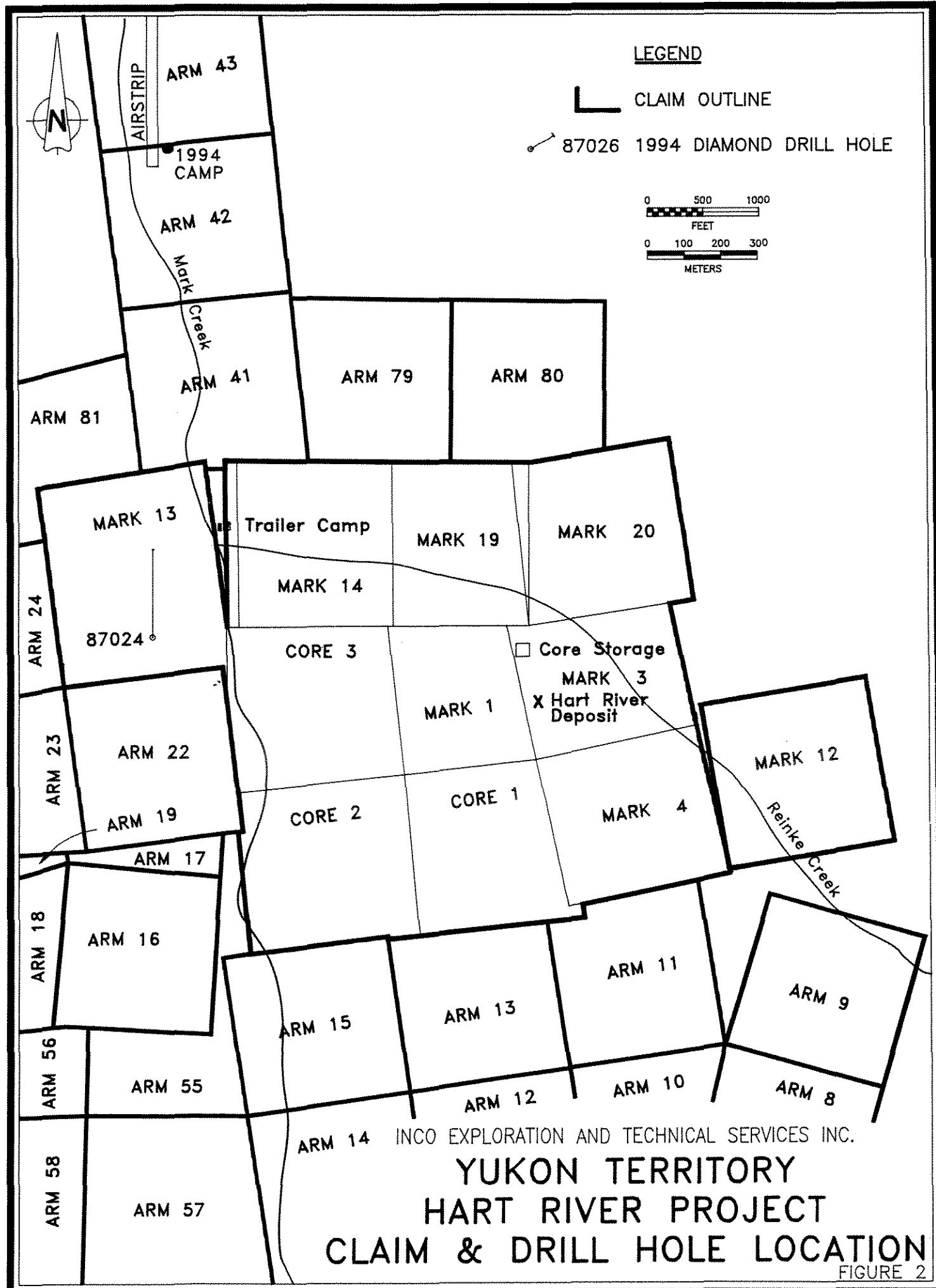
The property consists of 97 claims and the entire claim group is wholly owned by Inco Limited (Figure 2). Pending the acceptance of this report, the Mark and Core claims will be in good standing until 2002 and the Arm 41 - 44 claims will be in good standing until 1999.



INCO EXPLORATION AND TECHNICAL SERVICES INC.  
**YUKON TERRITORY  
 HART RIVER PROPERTY  
 LOCATION MAP**

FIGURE 1

HAR003



## REGIONAL GEOLOGY

The regional geology of the Hart River area is described in Open File 1992-2 (Abbott and Roots, 1992). In this portion of the Ogilvie Mountains, an east-southeast trending sequence of Proterozoic rocks is exposed in a window surrounded by much younger rocks of Lower Paleozoic age. The lenticular window is about 80 km long and 32 km wide, and exposes three Proterozoic rock packages separated by angular unconformities: the Windermere Supergroup, the Fifteen Mile Group, and the Wernecke Supergroup. A gabbro/diorite sill complex intrudes the Wernecke Supergroup assemblage.

The Wernecke Supergroup consists of the Quartet Group of shale, siltstone and sandstone up to 2400 metre thick that is overlain by the Gillespie Lake Group of dolomite, argillite, and basalt. The Gillespie Lake Group consists predominantly of dolomite but locally on the Hart River property, it also includes argillite with intercalated mafic sills and tuff. The argillite-volcanic package is about 600 metre thick and is the host of the Hart River massive sulphide (Mark Deposit). Overlying the argillite is more dolomite.

## DIAMOND DRILLING

The purpose of drill hole 87024 was to test an east-west trending electromagnetic anomaly, known as Conductor "C", for massive sulphide mineralization. The core is BQ-size and recovery generally exceeded 95%. A total of 68 core samples were analyzed. Hole 87024 is located 192 metres from the Initial Post of the Mark 13 claim at a bearing of 265° Az. Pertinent details as follows:

<u>Hole</u>	<u>Length(m)</u>	<u>North</u>	<u>East</u>	<u>Azimuth</u>	<u>Inclination</u>
<u>Conductor "C"</u>					
87024	334.36	4897	19585	360	-60

Weakly anomalous copper, lead and zinc values were intersected in the drill hole and are associated with thin pyrrhotite-rich veinlets in argillite (Figure 3). The highest base metal value in drill hole 87024 is 2880 ppm zinc over 0.4 metres (FX486253).

## Environmental

The drill site for 87024 is located 200 meters west of Mark Creek in an open, grassy area. No tree-cutting was required to clear the site. An elongate piece of lumber marks the actual collar of the hole. The drill was moved by a Bell-206B helicopter and an all-terrain vehicle was used to transport workers and supplies.

The camp garbage was burned and the non-combustible material flown to Dawson City for disposal.

N

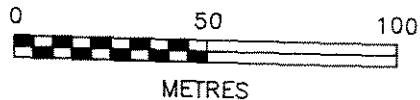
# LOOKING EAST

S



### LEGEND

- OB -Overburden
- ARG -Argillite
- FLT -Fault
- SLST -Siltstone
- CTCL -Cataclasite
- BX -Breccia
- GB -Gabbro
- BSL -Basalt



INCO EXPLORATION AND TECHNICAL SERVICES INC.  
**YUKON TERRITORY**  
**HART RIVER PROJECT**  
**X-SECTION BH 87024**

FIGURE 3

HART 112

## Core Storage

The drill core is stored in the equipment warehouse below the adit portal located on the Mark 3 claim, about 80 meters south-southeast of the northwest corner of the Mark 3 claim.

## Geochemistry

A total of 59 core samples were taken for gold plus 32-element ICP (inductively coupled plasma) analysis. Nine samples were analyzed for major oxides (whole rock).

## Analytical Methods

All samples were analyzed by Chemex Labs Ltd. of Vancouver, B.C. Drill core samples were crushed -10 mesh, subsampled and pulverized by Chrome-steel ring mill to > 90% -150 mesh (100 microns).

Core with evidence of mineralization was analyzed for 32 elements by the ICP method (aqua-regia digestion). Gold analysis was by fire assay with an atomic absorption finish. The following elements were determined and their level of detection is indicated:

Al	Aluminum*	0.01%
Sb	Antimony	2 ppm
As	Arsenic	2 ppm
Ba	Barium*	10 ppm
Be	Beryllium*	0.5 ppm
Bi	Bismuth	2 ppm
Cd	Cadmium	0.5 ppm
Ca	Calcium*	0.01%
Cr	Chromium*	1 ppm
Co	Cobalt	1 ppm
Cu	Copper	1 ppm
Ga	Gallium*	10 ppm
Fe	Iron	0.01%
La	Lanthanum*	10 ppm
Pb	Lead	2 ppm
Mg	Magnesium*	0.01%
Mn	Manganese	5 ppm
Hg	Mercury	1 ppm
Mo	Molybdenum	1 ppm
Ni	Nickel	1 ppm
P	Phosphorus	10 ppm
K	Potassium*	0.01%
Sc	Scandium*	1 ppm
Ag	Silver	0.2 ppm
Na	Sodium*	0.01%
Sr	Strontium*	1 ppm
Tl	Thallium*	10 ppm

Ti	Titanium*	0.01%
W	Tungsten*	10 ppm
U	Uranium	10 ppm
V	Vanadium	1 ppm
Zn	Zinc	2 ppm

Elements marked with an asterisk (\*) are only partially dissolved by the digestion procedure and consequently their values should be regarded as only minimum indications of their absolute values.

Unmineralized core was sampled for comparative lithochemistry, especially to differentiate the mafic igneous lithology. The core samples were analyzed for 11 major oxides by wavelength dispersive X-ray analysis (XRF) after digestion of the sample in hydrofluoric-nitric-perchloric acids. The following oxide values were determined and their level of detection is indicated:

Al2O3	Aluminum Oxide	0.01%
SiO2	Silicon Oxide	0.01%
CaO	Calcium Oxide	0.01%
Cr2O3	Chromic Oxide	0.01%
Fe2O3	Iron as Ferric Oxide	0.01%
MgO	Magnesium Oxide	0.01%
MnO	Manganese Oxide	0.01%
Na2O	Sodium Oxide	0.01%
P2O5	Phosphorus Oxide	0.01%
K2O	Potassium Oxide	0.01%
TiO2	Titanium Oxide	0.01%

#### EXPENDITURE SUMMARY

Expenditures related to drilling at the Hart River project are summarized below:

<u>Invoice No.</u>	<u>Hole</u>	<u>Length(m)</u>	<u>Cost</u>
937-5069-5	87024	334.36	\$25,694.07

Expenditures directly incurred on the Mark, Core and Arm 41-44 claims relate to drill hole 87024, a total footage of 1,097 feet (334.36 metres). The Schedule of Representation Work (Par. 3a(iii)) allows for a credit of \$15.00 per foot for drill core over 1" in diameter. Accordingly, the expenditures claimed related to drilling on the claims as specified in this report and applied towards assessment credit are:

$$1097 \text{ feet} \times \$15/\text{foot} = \$16,455.00$$

The assessment credit filed on the Mark/Core claims is:

$$4 \text{ years} \times 11 \text{ claims} \times \$100/\text{year} = \underline{\$4,400.00}$$

The assessment credit filed on the Arm 41-44 claims is:

$$5 \text{ years} \times 4 \text{ claims} \times \$100/\text{year} = \underline{\$2,000.00}$$

## LIST OF REFERENCES

Abbott, J.G., 1993, Revised stratigraphy and new exploration targets in the Hart River area, southeastern Ogilvie Mountains, in Yukon Exploration and Geology, 1992, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, pp. 13-23.

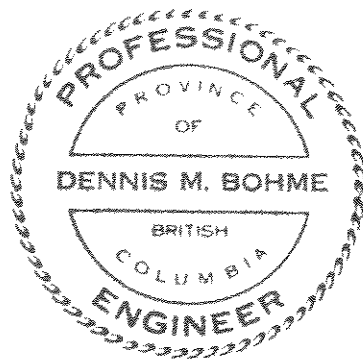
Abbott, J.G. and Roots, C., 1992, Geological map of part of map sheets 116A/10 and 116A/11, Indian and Northern Affairs Canada, Exploration and Geological Services Division, Yukon Region, Open File 1992-2, 1:50,000 scale.


Morin, J.A., 1978, A preliminary report on Hart River (116A/10) - a Proterozoic massive sulphide deposit, Indian and Northern Affairs Canada, Exploration and Geological Services Division, Yukon Region, 1977 Mineral Industry Report, pp. 22-24.

**STATEMENT OF QUALIFICATIONS**

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

1. I reside at 57 East 40th Avenue, Vancouver, British Columbia, V5W 1L3.
2. I am a graduate of the British Columbia Institute of Technology with a diploma in Mining Technology, 1980.
3. I am a graduate of the Montana College of Mineral Science and Technology in Butte, Montana, with the degree of Bachelor of Science in Geological Engineering, 1985.
4. I have been employed in mining exploration as a technologist and a geological engineer with Newmont Exploration of Canada Limited from May 1980 until February 1989, except for 18 months when I was attending university.
5. I am a registered Professional Engineer in the Province of British Columbia.
6. I am a Fellow member of the Geological Association of Canada.
7. I am a member of the Society of Economic Geologists, Inc.
8. I am a Project Geologist with Inco Exploration and Technical Services Inc. with offices at 800-666 Burrard Street, Vancouver, B.C., V6C 2X8.
9. I personally carried out and supervised most of the work described in this report.



  
Dennis M. Bohme, P.Eng.  
November 17, 1994  
Vancouver, B.C.

APPENDIX A - DRILL LOG FOR HOLE 87024

## BOREHOLE LOG

BOREHOLE : 87024  
 PROJECT : HART RIVER  
 PROPERTY NAME : HART RIVER CLAIM GROUP  
 MINE :

DATE PRINTED: 11/16/94

COUNTRY : Canada  
 PROV/STATE : Yukon Territory  
 NTS/QUADRANGLE : 116A/10  
 TWP/COUNTY :  
 SEC. T. R. :  
 CLAIM NAME : Mark 13 (Calypso)  
 GRID NAME : IETS  
 UTM COORDINATES : 7170040N 411077E  
 ANOMALY E : C

NORTHING : 4895.00  
 EASTING : 19585.00  
 ELEVATION : 1070.00  
 BOREHOLE BEARING : 360  
 INCLINATION : -60  
 HOLE LENGTH : 334.36  
 ATTITUDE TEST METHOD: Acid

LEVEL : Surface  
 HEADING :  
 SECTION :  
 BASELINE AZIMUTH : 90  
 ASSAYED FOR : 33-element ICP+Au

LOGGED BY : D. Bohme  
 LOGGING STARTED : June 21  
 LOGGING COMPLETED : June 29  
 DRILLED BY : Advanced Drilling Ltd.  
 DRILL TYPE : Boyles 25A  
 CORE SIZE : BQ  
 HOLE SIZE : 33mm  
 STARTED : June 20, 1994  
 COMPLETED : June 28, 1994

## COMMENTS:\*\*\*\*\*

Drilled 35.05m NW casing. Went down with BW casing and had trouble getting through at 16.76m. They somehow(?) drilled through the NW casing to 25.60m (intersected bedrock). All of the BW casing was removed.  
 LEFT IN HOLE : left 19.81m of NW casing in the hole

\*\*\*\*\*

## DEVIATION RECORDS

DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP
0.00	360.00	-60.00	32.61	360.00	-59.50	76.20	360.00	-57.00
136.24	360.00	-39.00	178.91	360.00	-38.50	236.82	360.00	-36.50

FROM M	TO M	DESCRIPTION	FROM M	TO M	SAMPLEE	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au PPB
306.92	360.00	-33.00								
0.00	25.60	OVERBURDEN	0.00	25.60	NS	-	-	-	-	-
25.60	88.85	ARGILLITE								
		Massive black carbonaceous and locally calcareous argillite. Very graphitic along some fracture planes.	25.60	32.90	NS	-	-	-	-	-
			32.90	33.30	NS	-	-	-	-	-
			33.30	44.45	NS	-	-	-	-	-
25.60	32.90	Broken core common. Black argillite with a few quartz carbonate veins at 50 degrees to core axis. Fine grained blebs of chalcopyrite, pyrite and sphalerite associated with discontinuous quartz - carbonate veining at 30.05 and 30.90 metres.	44.45	44.70	FX486248	45	28	96	0.2	5
			44.70	81.95	NS	-	-	-	-	-
			81.95	88.85	NS	-	-	-	-	-
32.90	33.30	Numerous barren quartz carbonate veins generally at 45 degrees to core axis.								
33.30	44.45	Massive black calcareous argillite. Millimetre - size calcite veinlets about 1 per 10 to 20 centimetres.								
44.45	44.70	Fine pyrite throughout. At 44.45 metres, 3 centimetre wide pyrite - rich calcite vein at 50 degrees to core								

FROM M	TO M	DESCRIPTION	FROM M	TO M	SAMPLEE	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au PPB
		axis.								
44.70	81.70	Black calcareous argillite with a few thin calcite veinlets. Locally very pyritic. Discontinuous knots of calcite with fine grained aggregates of pyrite - sphalerite noted at 45.80, 48.45, 53.10, 53.70 and 54.20 metres. Possibly bedding at 67.15 metres at 75 degrees to core axis cut by calcite veinlets at a low angle. Barren quartz carbonate vein at 81.30 metres about 10 centimetres wide. At 81.70 metres, 15 centimetre wide calcite vein at 20 degrees to core axis.								
81.95	88.85	Numerous brittle calcite and quartz carbonate veinlets. Vein density increases to 1 - 3 per 5 centimetres. No sulfides. Numerous tension gashes associated with fault zone at 82.30 metres. Fine grained pyrite laminations, up to 0.05 centimetres wide associated with calcite - rich veinlets. Appears to be parallel to bedding.								
88.85	92.40	FAULT								
		Graphitic fault gouge. Broken core cut by thin calcite veinlets.	88.85	89.80	NS	-	-	-	-	-
			89.80	90.05	FX486249	55	78	590	0.6	5
88.85	89.80	Schistose, graphitic argillite	90.05	91.00	NS	-	-	-	-	-

FROM M	TO M	DESCRIPTION	FROM M	TO M	SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au PPB
89.80	90.05	Calcite segregations with irregular clots of fine grained pyrite and trace amounts of brown sphalerite.	91.00	92.40	NS	-	-	-	-	-
90.05	91.00	Carbonaceous argillite with cross cutting quartz carbonate veins. Graphitic broken core.								
91.00	92.40	Graphite - rich argillite. Soft broken core. Graphitic schist in places. Shattered to brecciated quartz carbonate veinlets. Sharp lower contact at 35 degrees to core axis.								
92.40	108.35	ARGILLITE Massive black graphitic argillite.	92.40	94.40	NS	-	-	-	-	-
92.40	94.40	Several millimetre - size laminations of fine grained pyrite at 75 degrees to core axis. Possibly parallel to bedding.	94.40	108.35	NS	-	-	-	-	-
94.40	108.35	Graphitic argillite with numerous calcite veinlets generally at 70 degrees to core axis. Fine grained pyrite along some fractures. Pyrite - rich segregations at 103.00 metres.								
108.35	112.65	SILTSTONE Light to dark gray siltstone interbedded with black argillite. Section averages 1 - 3% pyrite.	108.35	108.80	FX486250	41	10	138	0.2	5
			108.80	110.00	NS	-	-	-	-	-
			110.00	112.65	NS	-	-	-	-	-

FROM M	TO M	DESCRIPTION	FROM M	TO M	SAMPLEE	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au PPB
108.35	108.80	Interbedded contact. Finely disseminated pyrite associated with siltstone, also some pyritic calcite veinlets.								
108.80	110.00	Gray siltstone with thin bands of argillite. Bedding at 75 degrees to core axis. Fine grained clots of pyrite throughout. Some cross cutting calcite veinlets.								
110.00	112.65	Interbedded gray siltstone and argillite with thin discontinuous pyritic calcite bands. Bedding at 70 degrees to core axis.								
112.65	218.72	ARGILLITE								
		Massive black argillite - mudstone.	112.65	116.60	NS	-	-	-	-	-
		Varying amounts of pyrite and lesser pyrrhotite generally associated with carbonate vein	116.60	117.30	NS	-	-	-	-	-
			117.30	117.70	NS	-	-	-	-	-
			117.70	117.95	FX486251	75	38	94	0.2	5
112.65	116.60	Pyrite content decreasing to less than 2%. At 115.25 metres, 2 centimetre wide quartz carbonate veinlet with fine grained sphalerite and pyrite.	117.95	118.70	FX486252	225	78	856	0.6	10
			118.70	119.10	FX486253	193	44	2880	0.4	15
			119.10	125.00	NS	-	-	-	-	-
			125.00	127.65	NS	-	-	-	-	-
116.60	117.30	Possibly a fault. Graphitic schist. Broken core.	127.65	128.00	FX486254	189	54	210	0.6	40
			128.00	129.60	NS	-	-	-	-	-
117.30	117.70	Massive black argillite. Minor pyrite.	129.60	130.00	NS	-	-	-	-	-
			130.00	130.35	NS	-	-	-	-	-

FROM M	TO M	DESCRIPTION	FROM M	TO M	SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au PPB
117.70	117.95	Quartz carbonate vein with brecciated margins. Traces of fine grained sphalerite and pyrite.	130.35	131.10	FX486255	191	38	234	0.6	30
			131.10	133.15	NS	-	-	-	-	-
			133.15	133.40	FX486256	158	60	226	0.4	5
117.95	118.70	At 118.60 metres, thin band of pyrite with fine grained chalcopryrite and sphalerite.	133.40	137.90	NS	-	-	-	-	-
			137.90	138.50	FX486257	209	24	334	0.6	15
			138.50	140.60	NS	-	-	-	-	-
118.70	119.10	Several contorted quartz carbonate veins partially healed by fine sphalerite, pyrite and chalcopryrite.	140.60	141.05	FX486258	286	46	1035	0.8	25
			141.05	152.60	NS	-	-	-	-	-
			152.60	152.95	FX486259	245	92	198	0.6	5
119.10	125.00	Massive black argillite locally pyritic and thinly banded. A few thin pyrite - bearing carbonate veinlets.	152.95	156.40	NS	-	-	-	-	-
			156.40	157.00	FX486260	240	54	908	0.6	10
			157.00	159.65	NS	-	-	-	-	-
125.00	127.65	Well bedded section. Alternating beds of argillite and gray siltstone up to 2 centimetres thick. Bedding at 80 degrees to core axis. Some fine grained pyrite.	159.65	160.25	FX486261	175	178	1270	0.8	15
			160.25	161.30	NS	-	-	-	-	-
			161.30	161.70	FX486262	222	120	2290	0.6	25
			161.70	162.70	NS	-	-	-	-	-
		162.70	163.15	NS	-	-	-	-	-	
127.65	128.00	Several thin cross cutting carbonate - sulfide fractures. Pyrite - chalcopryrite along margins.	163.15	165.20	NS	-	-	-	-	-
			165.20	166.00	FX486263	177	28	742	0.4	10
			166.00	166.72	FX486264	156	18	126	0.4	10
128.00	129.60	Alternating bands of gray siltstone and argillite. At 129.20 metres, 2 centimetre wide bedded semi - massive pyrite band at 65 degrees to core axis. Some very fine grained pyrite.	166.72	167.60	FX486265	182	44	716	0.6	15
			167.60	168.40	FX486266	199	32	164	0.8	15
			168.40	169.10	FX486267	266	88	46	0.8	30
			169.10	170.80	NS	-	-	-	-	-
			170.80	171.45	FX486268	204	36	36	0.4	20
129.60	130.00	Possibly a fault zone. Broken core.	171.45	172.25	NS	-	-	-	-	-

FROM M	TO M	DESCRIPTION	FROM M	TO M	SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au PPB
		Carbonate altered graphitic argillite.	172.25	172.80	FX486269	276	50	26	0.8	30
130.00	130.35	Massive black argillite.	172.80	173.60	FX486270	248	44	28	0.8	25
130.35	131.10	Several cross cutting discontinuous calcite veinlets partially healed by fine grained pyrite, pyrrhotite, chalcopyrite and sphalerite. Cross cutting slip fracture at 131.05 metres offsets bedding.	173.60	180.00	NS	-	-	-	-	-
			180.00	180.60	FX486271	295	66	210	0.8	25
			180.60	187.25	NS	-	-	-	-	-
			187.25	187.25	FX486272	225	48	1270	0.6	15
			187.25	190.00	NS	-	-	-	-	-
			190.00	190.50	FX486273	272	118	1160	0.6	20
131.10	133.15	Massive black argillite. Several calcareous beds at 60 degrees to core axis. Possibly limestone beds.	190.50	191.10	NS	-	-	-	-	-
			191.10	191.50	FX486274	222	64	948	0.4	10
			191.50	203.20	NS	-	-	-	-	-
133.15	133.40	Quartz carbonate vein with blebs of chalcopyrite, pyrite. Some brecciation along contacts.	203.20	207.10	NS	-	-	-	-	-
			207.10	213.40	NS	-	-	-	-	-
			213.40	214.05	FX486275	221	58	364	0.4	10
133.40	137.90	Black argillite with thin beds of siltstone. A few tiny carbonate - sulfide veinlets.	214.05	215.50	NS	-	-	-	-	-
			215.50	216.05	FX486276	154	82	290	0.4	5
			216.05	217.65	NS	-	-	-	-	-
137.90	138.50	Several irregular sulfide - healed fractures with fine grained pyrite, pyrrhotite, chalcopyrite and sphalerite. Some calcite matrix brecciation.	217.65	218.50	FX486277	198	44	94	0.4	5
			218.50	218.72	NS	-	-	-	-	-
138.50	140.60	Broken core. Black argillite with a few cross cutting barren quartz carbonate veinlets. At 139.35 metres, cross cutting veinlet with fine								

FROM M	TO M	DESCRIPTION	FROM M	TO M	SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au PPB
		grained pyrite altering to pyrrhotite.								
140.60	141.05	Pyrrhotite - rich quartz carbonate veins locally with sphalerite and fine grained chalcopyrite.								
141.05	152.60	Thinly to thickly bedded argillite. Several 5 to 10 centimetre wide beds of clastic material in a carbonate matrix. Occasional thin pyrite - bearing bed. Traces of pyrrhotite, chalcopyrite and sphalerite at 149.15 and 150.90 metres. A few thin pyrrhotite - bearing fractures.								
152.60	152.95	Quartz carbonate vein with brecciated contacts. Fine grained pyrite, chalcopyrite along margins.								
152.95	156.40	Massive argillite. A few thin quartz carbonate veins with fine grained pyrrhotite.								
156.40	157.00	Cross cutting and wavy 1 centimetre wide carbonate veinlet with fine grained knots of pyrrhotite, sphalerite and chalcopyrite. Some brecciation.								
157.00	159.65	Several barren quartz carbonate veins. Traces of sphalerite - pyrrhotite at 158.65 metres.								
159.65	160.25	Several hairline fractures healed by								

FROM M	TO M	DESCRIPTION	FROM M	TO M	SAMPLEE	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au PPB
		very fine grained pyrite, pyrrhotite and sphalerite. Veinlets cross cutting generally at 30 degrees to core axis.								
160.25	161.30	Argillite with several gray siltstone beds at 45 degrees to core axis.								
161.30	161.70	Irregular carbonate - rich breccia zones with elongate knots of sphalerite - pyrrhotite.								
161.70	162.70	Black argillite with siltstone interbeds.								
162.70	163.15	Very calcareous bed with fine grained interstitial pyrite.								
163.15	165.20	Massive black argillite. Bedding at 75 degrees to core axis. Occasional quartz carbonate veinlet.								
165.20	166.00	Several millimetre - size quartz carbonate veinlets partially healed by very fine grained pyrrhotite, sphalerite, chalcopyrite, galena and pyrite. Veins cross cutting bedding at a low angle.								
166.00	166.72	Broken core. A few sphalerite - rich hairline fractures. Contorted bedding at 166.60 metres.								
166.72	167.60	A few tiny quartz carbonate veinlets								

FROM M	TO M	DESCRIPTION	FROM M	TO M	SAMPLEE	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au PPB
		partially to completely healed by sphalerite, pyrrhotite and chalcopyrite.								
167.60	168.40	Numerous quartz carbonate veinlets as brittle fractures. Traces of fine grained pyrite - pyrrhotite.								
168.40	169.10	Very fine grained laminated pyrite - pyrrhotite parallel to bedding at 90 degrees to core axis. Sulfide associated with slightly calcareous beds. At 168.90 metres, quartz carbonate veinlets cross cutting bedding at 60 degrees to core axis.								
169.10	170.80	Finely crystalline disseminated pyrite generally throughout. Some quartz carbonate veinlet brecciation.								
170.80	171.45	Fine grained disseminated pyrite throughout. At 170.90 metres, bedded pyrite - pyrrhotite associated with light gray siltstone bands. One band offset by hairline fractures healed by sulfides. Similar feature at 171.45 metres.								
171.45	172.25	Note: core sample taken at 171.45 - 171.55 metres. Soft sediment deformation feature at 172.05 metres with sulfides along intercalated contact between gray to black mudstone								

FROM M	TO M	DESCRIPTION	FROM M	TO M	SAMPLEE	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au PPB
		beds. Some cross cutting calcite - pyrrhotite veinlets.								
172.25	172.80	Thin calcareous beds with fine grained pyrrhotite, pyrite and chalcopyrite. Some disseminated pyrite also.								
172.80	173.60	Several calcareous, pyrrhotite - rich laminations with chalcopyrite. Some disseminated and hairline fractures of pyrrhotite.								
173.60	180.00	Section averages 3 - 5% sulfides. Pyrite - pyrrhotite finely disseminated or as hairline fracture coatings. Occasional bleb of sphalerite and chalcopyrite.								
180.00	180.60	Light gray siliceous bands with disseminated pyrite - pyrrhotite. Several hairline faults offset bedding.								
180.60	187.25	Massive black carbonate argillite - mudstone. Several light gray siltstone beds offset by hairline fractures at 60 degrees to core axis. Bedding at 75 degrees to core axis. Overall sulfide content less than 1%. Hairline streaks of sphalerite at 185.40 metres.								
187.25	187.75	Thinly bedded argillite with several discordant calcite - sphalerite -								

FROM M	TO M	DESCRIPTION	FROM M	TO M	SAMPLEE	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au PPB
		pyrrhotite fractures.								
187.75	190.00	Well bedded argillite. Weak quartz - carbonate veining. Some pyrrhotite - rich carbonate streaks. Calcareous bed at 189.60 metres.								
190.00	190.50	Numerous brittle fractures almost completely healed by pyrrhotite - sphalerite. Several barren quartz carbonate veinlets also.								
190.50	191.10	Massive black argillite with finely laminated pyrite.								
191.10	191.50	Bedding at 60 degrees to core axis locally with fine pyrite - pyrrhotite. Discordant low angle calcite - sphalerite fractures offset by later stage of hairline pyrrhotite - fractures at 70 degrees to core axis.								
191.50	203.20	Sulfide content decreasing to less than 1%. Occasional hairline - to millimetre - size pyrrhotite fracture.								
203.20	207.10	Numerous irregular barren quartz carbonate veins with the occasional bleb of pyrrhotite - pyrite. Some vein brecciation.								
207.10	213.40	Thickly bedded argillite to massive black argillite. Thin dark gray								

FROM M	TO M	DESCRIPTION	FROM M	TO M	SAMPLEE	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au PPB
		dolomite beds at 207.90 metres. Carbonate veinlet with fine grained sphalerite along margins at 209.10 metres. A few hairline pyrrhotite - pyrite fractures.								
213.40	214.05	Fine fracture coatings of sphalerite, pyrrhotite, pyrite, trace chalcopyrite.								
214.05	215.50	Broken core. Graphitic schist in places. Some carbonate alteration.								
215.50	216.05	Several discordant pyrrhotite fractures with fine grained chalcopyrite. Carbonate altered argillite.								
216.05	217.65	Carbonate altered broken core. Bedding at 45 degrees to core axis locally offset by hairline pyrrhotite fractures.								
217.65	218.50	Fine fracture coatings of pyrite - pyrrhotite. At 218.40 metres, graded bed. Bedding at 40 degrees to core axis.								
218.50	218.72	Carbonate altered argillite. Trace pyrrhotite.								
218.72	219.55	CATACLASITE Schistose zone. Some broken core and	218.72	219.55	NS	-	-	-	-	-

FROM M	TO M	DESCRIPTION	FROM M	TO M	SAMPLEE	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au PPB
		brecciation. Appears to be a concordant contact with fracture set in the argillite. Stringer carbonate alteration. Gradational lower contact into altered basalt.								
219.55	222.75	BASALT								
		Light gray to black, carbonate altered basalt. Some carbonate matrix brecciation. Fine to medium grained texture. Upper contact zone slightly schistose with fine grained interstitial pyrrhotite. Weak chlorite alteration associated with thin carbonate fractures.	219.55	221.97	NS	-	-	-	-	-
			221.97	222.15	FX483960	163	8	124	0.2	5
			222.15	222.75	NS	-	-	-	-	-
222.75	223.05	CATACLASITE								
		Crushed zone of argillite, carbonate veinlets and stretched basalt clasts. Schistose fabric in carbonate altered argillite. Contact at 25 degrees to core axis.	222.75	223.05	NS	-	-	-	-	-
223.05	226.75	ARGILLITE								
		Hornfelsed argillite, variably foliated. Well fractured, locally graphitic.	223.05	223.78	FX486278	284	150	106	0.6	15
			223.78	224.60	FX486279	186	256	2180	0.4	10
			224.60	225.55	FX486280	191	98	510	0.4	5
223.05	223.78	Hornfelsed strongly deformed argillite. Broken up, sheeted carbonate veinlets throughout with some interstitial chalcopyrite - pyrrhotite. Possibly a fault zone.	223.05	223.78	FX486281	266	76	448	0.6	15

FROM M	TO M	DESCRIPTION	FROM M	TO M	SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au PPB
223.78	224.60	Strong carbonate alteration with interstitial pyrrhotite. At 224.35 metres, light gray cherty (?) bed cut by fine calcite fractures with irregular clots of fine grained sphalerite, pyrite and pyrrhotite. Possibly exhalitive.								
224.60	225.55	Hornfelsesd argillite with brittle carbonate - pyrrhotite fractures. At 225.45 metres thinly laminated pyrrhotite parallel to bedding at 65 degrees to core axis.								
225.55	226.75	Hairline fracture fillings of pyrrhotite. Trace chalcopryrite. Some quartz carbonate veinlets.								
226.75	228.50	FAULT Brecciated broken core. Schistose graphitic argillite. Strong carbonate alteration along contact. Some gouge.	226.75	228.50	NS	-	-	-	-	-
228.50	235.65	GABBRO Dark gray to black, slightly schistose, fine grained gabbroic volcanic. Calcareous - chloritic matrix with patches of carbonate replacement resulting in brecciation. Occasional very fine grained bleb of pyrrhotite - chalcopryrite. Chloritic mafics throughout. Sericitic	228.50	231.15	NS	-	-	-	-	-
			231.15	231.36	FX483961	93	2	58	0.2	5
			231.36	235.65	NS	-	-	-	-	-

FROM M	TO M	DESCRIPTION	FROM M	TO M	SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au PPB
		bleaching in places. At 234.40 metres, calcareous matrix with fine grained specks of brown sphalerite, pyrite and pyrrhotite.								
235.65	236.05	BRECCIA Contact zone between gabbro and argillite. Strong carbonate alteration and brecciation. Some interstitial blebs of sphalerite, pyrrhotite and pyrite in calcareous matrix. Contact marginal breccia.	235.65	236.05	FX486282	108	56	180	0.4	5
236.05	239.30	ARGILLITE Well fractured argillite band with carbonate veinlets throughout. Averages 1 - 3% sulfides, mainly pyrrhotite.	236.05	236.80	FX486283	105	38	50	0.2	5
			236.80	238.10	FX486284	152	66	1820	0.4	5
			238.10	238.90	FX486285	243	324	3550	0.8	15
			238.90	239.30	NS	-	-	-	-	-
236.05	236.80	Several hairline to millimetre - size fractures completely healed by pyrrhotite, chalcopyrite, sphalerite and minor pyrite.								
236.80	238.10	Graded bed at 237.35 metres. Numerous carbonate - pyrrhotite fractures, some with chalcopyrite. Locally siliceous.								
238.10	238.90	Irregular carbonate replacement. Locally brecciated. Small clots of pyrrhotite - sphalerite mineralization.								

FROM M	TO M	DESCRIPTION	FROM M	TO M	SAMPLEE	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au PPB
238.90	239.30	Strong carbonate alteration with fine grained interstitial pyrrhotite.								
239.30	239.65	BRECCIA Brecciated contact between argillite and basalt with quartz - carbonate veining.	239.30	239.65	NS	-	-	-	-	-
239.65	242.15	GABBRO Strongly carbonatized chloritic gabbro. Schistose and brecciated in places. Some very fine grained interstitial pyrite - pyrrhotite mineralization. Lower contact strongly deformed, gradational contact into brecciated calcareous - graphitic matrix.	239.65	240.43	NS	-	-	-	-	-
			240.43	240.60	FX483962	121	40	160	0.2	5
			240.60	242.15	NS	-	-	-	-	-
242.15	262.85	ARGILLITE Thinly to thickly bedded argillite with disseminated, laminated and fracture controlled pyrrhotite mineralization.	242.15	242.90	NS	-	-	-	-	-
			242.90	244.25	FX486286	184	130	616	0.4	5
			244.25	244.70	NS	-	-	-	-	-
			244.70	246.00	FX486287	150	28	134	0.4	5
242.15	242.90	Contorted zone of black argillite and quartz carbonate veins. Brecciated.	246.00	246.75	FX486288	168	38	46	0.6	15
			246.75	247.55	FX486289	152	32	682	0.4	5
242.90	244.20	Brittle calcite - pyrrhotite fractures. Trace of sphalerite and chalcopryrite.	247.55	248.45	FX486290	155	28	120	0.4	5
			248.45	249.75	FX486291	192	36	126	0.4	5
			249.75	250.70	NS	-	-	-	-	-
244.20	244.70	Slightly siliceous argillite with fine laminations of pyrrhotite parallel to	250.70	252.10	FX486292	158	42	228	0.4	10
			252.10	253.30	FX486293	139	22	80	0.2	15

FROM M	TO M	DESCRIPTION	FROM M	TO M	SAMPLEE	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au PPB
		bedding at 60 degrees to core axis.	253.30	253.95	FX486294	110	24	130	0.2	5
		Note: core sample taken from 244.55 -	253.95	254.45	FX486295	110	24	1915	0.2	5
		244.70 metres. Trace chalcopyrite.	254.45	255.10	FX486296	131	34	294	0.4	5
244.70	246.00	Fine pyrrhotite fractures throughout.	255.10	255.98	FX486297	125	26	244	0.2	5
		Siliceous fractures with pyrrhotite,	255.98	256.90	FX486298	122	44	504	0.2	5
		trace chalcopyrite. Quartz carbonate	256.90	258.10	FX486299	120	36	98	0.2	5
		vein at 244.75 metres.	258.10	259.90	FX486300	191	38	228	0.4	15
246.00	246.75	Disseminated and hairline fractures of	259.90	260.85	FX486401	414	30	50	0.4	10
		pyrrhotite. At 246.60 metres graywacke	260.85	261.70	FX486402	131	24	142	0.4	20
		bed with fine grained disseminated	261.70	262.85	NS	-	-	-	-	-
		pyrrhotite cut by hairline pyrrhotite								
		fractures.								
246.75	247.55	Bedding at 75 degrees to core axis								
		locally offset by hairline fractures.								
		Bedded sphalerite at 247.35 metres.								
		Several disrupted siltstone - graywacke								
		beds. Some fine grained disseminated								
		pyrrhotite.								
247.55	248.45	Disrupted beds by slip fracturing.								
		Siliceous band with pyrrhotite.								
		Quartz carbonate vein, 20 centimetres								
		wide, at 248.25 metres.								
248.45	249.75	Well bedded argillite locally								
		disrupted by hairline fractures.								
		Graywacke bed at 248.70 metres cut by								
		siliceous pyrrhotite fracture. Section								
		averages 5% pyrrhotite. Some cross								
		cutting siliceous alteration								

FROM M	TO M	DESCRIPTION	FROM M	TO M	SAMPLEE	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au PPB
		associated with pyrrhotite mineralization.								
249.75	250.70	Bedded, slightly siliceous argillite with millimetre - size pyrrhotite laminations parallel to bedding at 80 degrees to core axis.								
250.70	252.10	Increasing pyrrhotite content. Thin laminations of pyrrhotite associated with calcareous and siliceous bands parallel to bedding. Disseminated pyrrhotite also. At 151.45 metres, light gray siltstone bed. Trace chalcopyrite.								
252.10	253.30	Siliceous beds with laminated pyrrhotite. Slip fractures with pyrrhotite slightly offset bedding. Fine network of cross cutting hairline pyrrhotite fractures. Trace chalcopyrite - sphalerite. Very magnetic.								
253.30	253.95	As above, carbonate veinlets partially to completely sealed by pyrrhotite, trace chalcopyrite - sphalerite.								
253.95	254.45	Increase in brittle fracturing. About 5 - 8% sulfides including some bedded fine grained sphalerite within a siliceous bands. Bedding, including sphalerite band, is offset by tiny								

FROM M	TO M	DESCRIPTION	FROM M	TO M	SAMPLEE	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au PPB
		slip fractures.								
254.45	255.10	Sliced up bedding by pyrrhotite fractures. Some carbonate vein brecciation with pyrrhotite, trace sphalerite. Disseminated pyrrhotite locally.								
255.10	255.98	Numerous quartz carbonate veins, some with pyrrhotite, chalcopyrite or sphalerite along margins. Contorted bedding.								
255.98	256.90	Siliceous, banded argillite. Bedding offset by very thin fractures. Occasional knot of sphalerite - pyrrhotite.								
256.90	258.10	Broken core. Mostly quartz carbonate vein material with coarse grained knots of pyrrhotite along selvages. Traces of fine grained chalcopyrite, sphalerite and pyrrhotite.								
258.10	259.90	Thinly banded argillite. Siliceous pyrrhotite bands parallel to bedding. Some fine grained disseminated pyrrhotite. Several siltstone beds. Graded beds. Bedding at 60 degrees to core axis.								
259.90	260.85	Fine grained disseminated and thinly laminated pyrrhotite. Several								

FROM M	TO M	DESCRIPTION	FROM M	TO M	SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au PPB
		irregular pyrrhotite - chalcopyrite fracture fillings at 260.40 metres in carbonate veinlet.								
260.85	261.70	Graywacke - siltstone beds offset by hairline pyrrhotite fractures. Very fine grained disseminated pyrrhotite. Trace chalcopyrite.								
261.70	262.85	Pyrrhotite content decreases to less than 2%. Well bedded in places. Lower contact marked by quartz carbonate veinlet streaks with fine grained pyrrhotite. Schistose fabric conformable to lower contact. At 262.27 metres, 3 centimetre wide altered basalt sill parallel to bedding at 60 degrees to core axis. Volcanic contain fine grained pyrrhotite.								
262.85	297.45	<b>BASALT</b>								
		Fine grained, massive green to black basalt. Locally chloritic. Fairly fresh - looking sill with altered contact margins.	262.85	263.25	NS	-	-	-	-	-
			263.25	268.80	NS	-	-	-	-	-
			268.80	269.00	NS	-	-	-	-	-
			269.00	284.96	NS	-	-	-	-	-
262.85	263.25	Brecciated upper contact generally trending 30 degrees to core axis.	284.96	285.13	FX483963	157	2	68	0.2	5
			285.13	294.54	NS	-	-	-	-	-
		Bleached calcareous contact zone with faint whitish feldspar alteration.	294.54	294.71	FX483964	158	2	56	0.2	5
			294.71	296.75	NS	-	-	-	-	-
		Very fine grained pyrrhotite throughout. Weakly magnetic.	296.75	297.45	FX486403	188	8	34	0.2	5

FROM M	TO M	DESCRIPTION	FROM M	TO M	SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au PPB
263.25	268.80	Massive basalt cut by chloritic brittle fractures. Fracture more than 1 centimetre wide usually calcite - rich and chloritic. Some epidotized calcite fractures.								
268.80	269.00	Quartz - carbonate - axinite vein. No sulfides.								
269.00	293.00	Weakly chloritic basalt. Decrease in chlorite - rich fracturing. Some clay - carbonate - axinite alteration. Calcareous matrix breccia at 282.40 metres. No sulfides.								
293.00	296.75	Moderate to strong carbonate - chlorite altered basalt. Well fractured and locally brecciated. Trace amounts of pyrrhotite associated with chlorite.								
296.75	297.45	Chloritic basalt with chilled fine grained contact zone at 298.37 metres. Speckled appearance from fine grained whitish feldspars. Some interstitial pyrrhotite associated with contact alteration zone.								
297.45	298.55	ARGILLITE Hornfelsed argillite bands with calcite - pyrrhotite alteration veinlets.	297.45	298.05	FX486404	100	26	38	0.2	5
			298.05	298.55	FX486405	145	26	40	0.2	10

FROM M	TO M	DESCRIPTION	FROM M	TO M	SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au PPB
297.45	298.05	Slightly bleached argillite with altered basalt fragments. Fine grained pyrrhotite generally throughout particularly along the irregular selvages of the volcanic fragments. Schistose fabric.								
298.05	298.55	Intercalated altered basalt and light gray chloritic argillite. Fine grained streaks of pyrrhotite associated with bleached argillite clasts. Alteration rind of very fine grained feldspar surrounds argillite fragments. Schistose lower contact.								
298.55	299.80	BASALT								
		Altered basalt. Fine grained whitish feldspar alteration throughout. A few thin carbonate - chlorite fractures. Traces of fine grained pyrrhotite.	298.55	298.83	NS	-	-	-	-	-
			298.83	299.05	FX483965	220	8	156	0.2	5
			299.05	299.80	NS	-	-	-	-	-
299.80	301.10	ARGILLITE								
		Siliceous looking, hornfelsed argillite. Veining along contact. Fine streaks and blebs of pyrrhotite. Quartz carbonate vein at 300.71 metres with fine grained sphalerite along margins. Fine hairline pyrrhotite fractures. Sharp lower contact. Appears to be a chilled intrusive contact.	299.80	301.10	FX486406	131	122	624	0.2	5
301.10	324.80	BASALT								

FROM M	TO M	DESCRIPTION	FROM M	TO M	SAMPLEE	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au PPB
		Mostly massive basalt. Some calcite filled fractures.	301.10	303.45	NS	-	-	-	-	-
			303.45	304.70	NS	-	-	-	-	-
301.10	303.45	Weakly chloritic basalt. Narrow zone of feldspathic alteration near upper contact.	304.70	305.65	NS	-	-	-	-	-
			305.65	318.30	NS	-	-	-	-	-
			318.30	318.52	FX483966	163	2	54	0.2	5
303.45	304.70	Foliated quartz carbonate vein. Brecciation along contacts. No significant sulfides.	318.52	323.79	NS	-	-	-	-	-
			323.79	324.10	FX483967	181	2	70	0.2	5
			324.10	324.80	NS	-	-	-	-	-
304.70	305.65	Calcareous basalt with faint porphyritic texture. Sharp lower contact into fine grained massive basalt.								
305.65	324.80	Massive fine grained basalt. Weakly to moderately developed chlorite - carbonate alteration in narrow fracture sets. Quartz - axinite vein at 317.20 metres.								
324.80	330.00	BRECCIA Strongly deformed zone. Mainly a carbonate - quartz matrix breccia zone. Some foliated and carbonate altered fragments of mafic volcanic material. Schistose broken core. Possibly a fault. No significant sulfides.	324.80	330.00	NS	-	-	-	-	-
330.00	334.36	GABBRO Fine to medium grained gabbro with relict mottled appearance from chlorite	330.00	333.73	NS	-	-	-	-	-
			333.73	333.98	FX483968	181	2	116	0.2	5

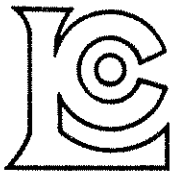
FROM M	TO M	DESCRIPTION	FROM M	TO M	SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au PPB
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altered mafic minerals. Locally very calcareous. Very fine grained whitish feldspars. A few barren carbonate veinlets. Medium grained speck of chalcopyrite at 332.15 metres. Foot of hole.

333.98	334.36	NS	-	-	-	-	-	-	-	-
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APPENDIX B - CERTIFICATES OF ANALYSIS

<u>Hole</u>	<u>FX Sample Number</u>	<u>Certificate No.</u>
87024	486248 - 486300	A9420230
	486401 - 486406	A9420230
	483960 - 483968	A9423508



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
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 PHONE: 604-984-0221

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

Page Number : 1-A  
 Total Pages : 2  
 Certificate Date: 21-JUL-94  
 Invoice No. : I9420230  
 P.O. Number :  
 Account : KPJC

Project : 60553 - 86010  
 Comments : ATTN: D. BOHME

## CERTIFICATE OF ANALYSIS A9420230

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
FX 486248	205	294	< 5	0.2	1.11	16	20	< 0.5	< 2	10.95	0.5	9	43	45	5.96	< 10	< 1	0.35	< 10	2.43	290
FX 486249	205	294	< 5	0.6	1.31	84	40	< 0.5	< 2	7.06	5.0	9	54	55	6.43	< 10	2	0.51	< 10	1.94	275
FX 486250	205	294	< 5	< 0.2	1.39	4	10	< 0.5	< 2	2.13	0.5	15	23	41	2.86	< 10	< 1	0.31	< 10	2.06	645
FX 486251	205	294	< 5	0.2	1.45	16	30	< 0.5	2	1.25	0.5	13	151	75	2.80	< 10	1	0.70	10	0.80	255
FX 486252	205	294	10	0.6	1.53	72	20	< 0.5	2	0.65	4.0	18	37	225	5.31	< 10	< 1	0.60	10	1.00	255
FX 486253	205	294	15	0.4	2.08	30	40	< 0.5	2	1.13	18.5	14	57	193	3.42	< 10	2	0.94	10	1.43	455
FX 486254	205	294	40	0.6	1.72	14	40	< 0.5	< 2	1.09	1.0	15	45	189	3.69	< 10	< 1	0.79	10	1.10	515
FX 486255	205	294	30	0.6	1.57	22	50	< 0.5	4	0.24	1.0	12	41	191	3.13	< 10	< 1	0.93	10	0.58	95
FX 486256	205	294	< 5	0.4	0.72	< 2	10	< 0.5	2	6.67	1.0	8	117	158	1.30	< 10	< 1	0.31	< 10	0.47	1565
FX 486257	205	294	15	0.6	1.80	22	40	< 0.5	2	0.80	1.5	23	47	209	3.90	< 10	< 1	0.84	10	0.93	770
FX 486258	205	294	25	0.8	1.16	38	30	< 0.5	2	0.58	6.0	19	23	286	4.31	< 10	< 1	0.54	10	0.54	485
FX 486259	205	294	< 5	0.6	0.71	16	30	< 0.5	< 2	1.42	1.0	8	351	245	1.51	< 10	< 1	0.38	10	0.25	705
FX 486260	205	294	10	0.6	1.24	24	30	< 0.5	2	2.03	6.0	17	41	240	3.47	< 10	< 1	0.46	10	0.95	3020
FX 486261	205	294	15	0.8	1.82	20	60	< 0.5	4	0.41	6.0	17	40	175	3.41	< 10	< 1	0.93	10	0.69	375
FX 486262	205	294	25	0.6	1.18	28	30	< 0.5	< 2	2.38	14.5	17	19	222	3.21	< 10	< 1	0.55	10	1.36	2010
FX 486263	205	294	10	0.4	1.57	26	40	< 0.5	< 2	1.99	4.5	16	32	177	3.46	< 10	< 1	0.65	10	1.43	3380
FX 486264	205	294	5	0.4	1.43	8	20	< 0.5	< 2	1.42	0.5	10	19	156	2.60	< 10	< 1	0.43	10	1.47	2050
FX 486265	205	294	15	0.6	1.40	22	50	< 0.5	4	0.61	3.5	12	34	182	2.74	< 10	< 1	0.81	10	0.58	530
FX 486266	205	294	15	0.8	1.26	28	20	< 0.5	< 2	2.31	0.5	17	27	199	3.55	< 10	< 1	0.46	10	1.52	1735
FX 486267	205	294	30	0.8	1.72	88	50	< 0.5	6	0.49	< 0.5	23	40	266	5.39	< 10	< 1	0.95	10	0.56	380
FX 486268	205	294	20	0.4	1.33	34	30	< 0.5	< 2	0.51	< 0.5	19	31	204	4.24	< 10	< 1	0.59	10	0.56	465
FX 486269	205	294	30	0.8	1.64	38	50	< 0.5	< 2	0.54	< 0.5	16	35	276	4.89	< 10	< 1	0.83	10	0.54	360
FX 486270	205	294	25	0.8	1.26	38	30	< 0.5	< 2	0.55	< 0.5	20	26	248	4.84	< 10	< 1	0.60	10	0.46	380
FX 486271	205	294	25	0.8	1.70	30	40	< 0.5	< 2	0.67	0.5	12	35	295	4.14	< 10	< 1	0.77	10	0.82	930
FX 486272	205	294	15	0.6	1.35	24	30	< 0.5	< 2	0.47	6.0	17	25	225	3.39	< 10	< 1	0.53	10	0.66	395
FX 486273	205	294	20	0.6	1.81	32	60	< 0.5	< 2	0.73	4.5	18	47	272	3.48	< 10	1	0.84	10	0.69	525
FX 486274	205	294	10	0.4	1.38	60	30	< 0.5	< 2	0.57	4.0	20	24	222	4.24	< 10	< 1	0.49	10	0.69	545
FX 486275	205	294	10	0.4	2.15	14	90	< 0.5	< 2	0.46	1.5	23	41	221	4.73	< 10	< 1	0.50	20	1.17	995
FX 486276	205	294	5	0.4	3.03	28	30	< 0.5	< 2	2.56	1.0	23	52	154	7.34	< 10	< 1	0.19	10	2.49	3520
FX 486277	205	294	5	0.4	2.44	36	110	< 0.5	< 2	0.85	< 0.5	25	64	198	5.95	< 10	1	0.63	10	1.40	1105
FX 486278	205	294	15	0.6	2.29	34	80	< 0.5	2	1.69	0.5	36	51	284	5.16	< 10	< 1	0.43	10	1.51	1800
FX 486279	205	294	10	0.4	2.32	12	100	< 0.5	2	1.31	9.0	30	55	186	4.93	< 10	< 1	0.48	20	1.42	1585
FX 486280	205	294	5	0.4	1.82	12	40	< 0.5	< 2	1.42	2.5	23	35	191	4.70	< 10	< 1	0.21	20	1.22	1675
FX 486281	205	294	15	0.6	2.27	22	100	< 0.5	< 2	1.80	2.0	31	58	266	4.75	< 10	< 1	0.50	20	1.36	1750
FX 486282	205	294	< 5	0.4	3.55	32	< 10	< 0.5	< 2	8.94	0.5	27	596	108	5.73	< 10	< 1	0.04	< 10	4.51	2640
FX 486283	205	294	< 5	0.2	3.03	30	100	< 0.5	< 2	0.67	< 0.5	29	70	105	6.17	< 10	< 1	0.50	10	2.34	1005
FX 486284	205	294	< 5	0.4	1.90	4	40	< 0.5	< 2	0.65	7.5	25	46	152	5.31	< 10	< 1	0.25	10	1.53	845
FX 486285	205	294	15	0.8	2.27	42	100	< 0.5	< 2	1.74	14.5	32	52	243	4.83	< 10	1	0.44	20	1.49	1195
FX 486286	205	294	< 5	0.4	2.42	42	40	< 0.5	< 2	2.12	2.0	25	64	184	5.71	< 10	< 1	0.29	20	1.76	1570
FX 486287	205	294	< 5	0.4	2.70	26	80	< 0.5	< 2	1.32	0.5	22	76	150	7.03	< 10	< 1	0.54	20	1.71	1910

CERTIFICATION: *Haut Bichler*



# Chemex Labs Ltd.

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

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

Page Number :1-B  
 Total Pages :2  
 Certificate Date: 21-JUL-94  
 Invoice No. :19420230  
 P.O. Number :  
 Account :KPJC

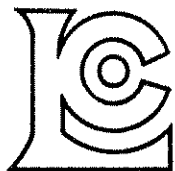
Project : 60553 - 86010  
 Comments: ATTN: D. BOHME

## CERTIFICATE OF ANALYSIS A9420230

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
FX 486248	205 294	3	0.01	60	220	28	< 2	4	85	< 0.01	< 10	< 10	33	< 10	96
FX 486249	205 294	5	0.01	184	270	78	4	4	45	< 0.01	< 10	< 10	40	< 10	590
FX 486250	205 294	< 1	< 0.01	33	480	10	< 2	3	19	< 0.01	< 10	< 10	22	< 10	138
FX 486251	205 294	7	0.01	61	650	38	4	3	39	0.01	< 10	< 10	73	< 10	94
FX 486252	205 294	6	0.01	112	800	78	4	4	13	0.01	< 10	< 10	83	< 10	856
FX 486253	205 294	8	0.01	85	870	44	4	6	18	0.01	< 10	< 10	121	< 10	2880
FX 486254	205 294	6	0.01	61	1310	54	2	4	22	0.01	< 10	< 10	83	< 10	210
FX 486255	205 294	10	0.01	71	940	38	2	3	9	0.01	< 10	< 10	75	< 10	234
FX 486256	205 294	2	0.01	20	700	60	< 2	2	248	< 0.01	< 10	< 10	17	< 10	226
FX 486257	205 294	6	0.01	47	1350	24	4	4	17	0.01	< 10	< 10	51	< 10	334
FX 486258	205 294	12	0.01	73	1570	46	2	3	14	0.01	< 10	< 10	47	< 10	1035
FX 486259	205 294	3	0.01	24	870	92	< 2	2	40	< 0.01	< 10	< 10	28	< 10	198
FX 486260	205 294	8	0.01	49	1270	54	< 2	3	35	0.01	< 10	< 10	42	< 10	908
FX 486261	205 294	9	0.01	58	1440	178	< 2	4	14	0.01	< 10	< 10	63	< 10	1270
FX 486262	205 294	4	0.01	49	1410	120	< 2	3	31	0.01	< 10	< 10	33	< 10	2290
FX 486263	205 294	3	0.01	37	1340	28	< 2	4	27	0.01	< 10	< 10	34	< 10	742
FX 486264	205 294	< 1	0.01	23	1240	18	< 2	3	17	0.01	< 10	< 10	20	< 10	126
FX 486265	205 294	3	0.01	45	1300	44	2	3	16	0.01	< 10	< 10	41	< 10	716
FX 486266	205 294	9	0.01	47	1180	32	2	4	33	0.01	< 10	< 10	45	< 10	164
FX 486267	205 294	14	0.01	100	1560	88	2	5	15	0.02	< 10	< 10	62	< 10	46
FX 486268	205 294	11	0.01	54	1550	36	2	3	14	0.02	< 10	< 10	35	< 10	36
FX 486269	205 294	10	0.01	62	1570	50	2	4	16	0.02	< 10	< 10	53	< 10	26
FX 486270	205 294	11	0.01	71	1950	44	< 2	3	17	0.02	< 10	< 10	39	< 10	28
FX 486271	205 294	3	0.01	55	990	66	4	4	14	0.01	< 10	< 10	45	< 10	210
FX 486272	205 294	7	0.01	47	1560	48	< 2	3	15	0.01	< 10	< 10	37	< 10	1270
FX 486273	205 294	10	0.01	65	1960	118	2	4	22	0.01	< 10	< 10	48	< 10	1160
FX 486274	205 294	8	0.01	67	1710	64	4	3	18	0.01	< 10	< 10	43	< 10	948
FX 486275	205 294	7	0.01	49	1250	58	< 2	4	11	0.06	< 10	< 10	76	< 10	364
FX 486276	205 294	3	0.01	43	1070	82	6	6	38	0.05	< 10	< 10	90	< 10	290
FX 486277	205 294	4	0.01	60	1290	44	10	9	19	0.02	< 10	< 10	105	< 10	94
FX 486278	205 294	7	0.01	55	1310	150	4	7	35	0.04	< 10	< 10	96	< 10	106
FX 486279	205 294	5	0.01	49	1300	256	2	6	20	0.04	< 10	< 10	80	< 10	2180
FX 486280	205 294	4	0.01	42	1500	98	2	4	22	0.03	< 10	< 10	60	< 10	510
FX 486281	205 294	7	0.01	51	1400	76	6	6	31	0.07	< 10	< 10	89	< 10	448
FX 486282	205 294	< 1	0.01	194	480	56	4	19	87	0.13	< 10	< 10	125	< 10	180
FX 486283	205 294	4	0.01	63	950	38	4	9	8	0.19	< 10	< 10	95	< 10	50
FX 486284	205 294	4	0.01	57	1110	66	4	5	9	0.10	< 10	< 10	51	< 10	1820
FX 486285	205 294	6	0.01	56	1040	324	8	6	15	0.08	< 10	< 10	83	< 10	3550
FX 486286	205 294	6	0.01	55	2270	130	6	6	24	0.13	< 10	< 10	97	20	616
FX 486287	205 294	3	0.02	54	1880	28	6	7	33	0.17	< 10	< 10	108	20	134

CERTIFICATION:

*Hart Buchler*



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

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

To: INCO EXPLORATION AND TECHNICAL SERVICES INC.  
ATTN: DENNIS BOHME  
2690 - 666 BARRARD ST.  
VANCOUVER, BC  
V6C 2X8

Project : 60553 - 86010  
Comments: ATTN: D. BOHME

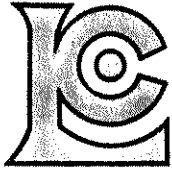
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Total Pages : 2  
Certificate Date: 21-JUL-94  
Invoice No. : I9420230  
P.O. Number :  
Account : KPJC

## CERTIFICATE OF ANALYSIS

### A9420230

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																				
FX 486288	205	294	15	0.6	1.62	26	80	< 0.5	< 2	0.41	< 0.5	24	34	168	5.33	< 10	< 1	0.59	10	0.92	640
FX 486289	205	294	< 5	0.4	2.10	8	110	< 0.5	< 2	0.71	3.5	23	40	152	5.22	10	< 1	0.79	10	1.09	885
FX 486290	205	294	< 5	0.4	1.81	4	70	< 0.5	< 2	3.53	0.5	20	69	155	5.19	< 10	< 1	0.49	10	1.26	1555
FX 486291	205	294	< 5	0.4	1.46	12	80	< 0.5	< 2	1.19	0.5	23	35	192	5.60	< 10	< 1	0.53	< 10	0.93	915
FX 486292	205	294	10	0.4	1.51	26	90	< 0.5	2	0.54	1.5	29	46	158	6.83	10	< 1	0.53	10	0.94	580
FX 486293	205	294	15	0.2	2.28	30	90	< 0.5	< 2	0.45	< 0.5	27	46	139	6.48	10	< 1	0.39	10	1.34	915
FX 486294	205	294	5	0.2	2.77	32	70	< 0.5	< 2	2.37	0.5	22	52	110	7.04	10	< 1	0.23	10	1.61	1520
FX 486295	205	294	5	0.2	2.75	12	90	< 0.5	< 2	3.65	14.0	20	58	110	7.05	10	< 1	0.32	20	1.66	1485
FX 486296	205	294	< 5	0.4	2.06	24	120	< 0.5	< 2	4.18	2.0	26	53	131	5.51	10	< 1	0.41	10	1.23	1295
FX 486297	205	294	< 5	0.2	2.70	12	90	< 0.5	< 2	2.21	1.0	16	51	125	6.81	10	< 1	0.22	10	1.73	1420
FX 486298	205	294	< 5	0.2	2.68	20	70	< 0.5	< 2	2.87	2.5	17	53	122	6.50	10	< 1	0.20	10	1.68	1465
FX 486299	205	294	< 5	0.2	2.51	8	70	< 0.5	< 2	1.58	< 0.5	15	81	120	6.65	10	< 1	0.26	10	1.91	1060
FX 486300	205	294	15	0.4	1.90	26	70	< 0.5	< 2	0.44	1.0	23	48	191	6.52	10	< 1	0.40	10	1.29	630
FX 486401	205	294	10	0.4	2.05	30	70	< 0.5	< 2	0.62	< 0.5	35	49	414	7.48	10	< 1	0.40	10	1.34	760
FX 486402	205	294	20	0.4	2.37	22	60	< 0.5	< 2	0.52	1.0	30	70	131	7.14	< 10	< 1	0.38	10	1.52	955
FX 486403	205	294	< 5	0.2	5.38	24	10	< 0.5	< 2	1.94	< 0.5	26	175	188	8.82	10	< 1	0.03	< 10	5.56	1240
FX 486404	205	294	5	0.2	4.30	14	< 10	< 0.5	< 2	1.52	< 0.5	36	89	100	8.91	10	< 1	0.07	< 10	4.34	955
FX 486405	205	294	10	0.2	5.27	12	< 10	< 0.5	< 2	0.76	< 0.5	35	155	145	10.95	10	< 1	0.02	< 10	5.35	1160
FX 486406	205	294	< 5	0.2	3.61	2	< 10	< 0.5	< 2	0.78	2.0	28	70	131	8.37	10	< 1	0.11	< 10	3.59	745

CERTIFICATION: *Hart Bichler*



# Chemex Labs Ltd.

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

To: INCO EXPLORATION AND TECHNICAL SERVICES INC.  
ATTN: DENNIS BOHME  
2690 - 666 BARRARD ST.  
VANCOUVER, BC  
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Page Number :2-B  
Total Pages :2  
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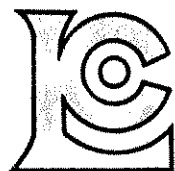
Project : 60553 - 86010  
Comments: ATTN: D. BOHME

## CERTIFICATE OF ANALYSIS

### A9420230

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
FX 486288	205 294	5	0.02	54	1150	38	4	4	9	0.14	< 10	< 10	69	< 10	46
FX 486289	205 294	3	0.03	50	1030	32	4	7	14	0.12	< 10	< 10	90	< 10	682
FX 486290	205 294	4	0.02	44	900	28	6	7	58	0.15	< 10	< 10	91	< 10	120
FX 486291	205 294	4	0.02	56	810	36	6	5	16	0.10	< 10	< 10	66	< 10	126
FX 486292	205 294	5	0.02	65	1150	42	6	7	11	0.10	< 10	< 10	68	< 10	228
FX 486293	205 294	2	0.03	43	740	22	8	7	8	0.09	< 10	< 10	78	< 10	80
FX 486294	205 294	2	0.02	40	1010	24	4	8	27	0.11	< 10	< 10	85	< 10	130
FX 486295	205 294	3	0.02	45	2100	24	4	9	34	0.13	< 10	< 10	101	< 10	1915
FX 486296	205 294	6	0.02	48	1330	34	6	7	43	0.13	< 10	< 10	92	< 10	294
FX 486297	205 294	1	0.02	40	1000	26	2	7	29	0.14	< 10	< 10	79	< 10	244
FX 486298	205 294	1	0.02	33	3430	44	2	7	28	0.10	< 10	< 10	82	< 10	504
FX 486299	205 294	< 1	0.02	38	1340	36	2	6	15	0.11	< 10	< 10	95	< 10	98
FX 486300	205 294	4	0.02	60	860	38	2	7	7	0.15	< 10	< 10	87	< 10	228
FX 486401	205 294	3	0.02	75	1110	30	4	6	11	0.11	< 10	< 10	83	< 10	50
FX 486402	205 294	3	0.02	56	610	24	6	9	6	0.20	< 10	< 10	103	< 10	142
FX 486403	205 294	< 1	0.03	60	350	8	4	47	11	0.36	< 10	< 10	381	< 10	34
FX 486404	205 294	3	0.01	49	700	26	4	16	9	0.18	< 10	< 10	155	< 10	38
FX 486405	205 294	1	0.02	56	500	26	6	32	6	0.25	< 10	< 10	321	< 10	40
FX 486406	205 294	4	0.01	54	790	122	4	8	6	0.12	< 10	< 10	113	< 10	624

CERTIFICATION: Hart Buchler



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V6C 2X8

A9420230

Comments: ATTN: D. BOHME

CERTIFICATE

A9420230

INCO EXPLORATION AND TECHNICAL SERVICES INC.

Project: 60553 - 86010  
P.O. #:

Samples submitted to our lab in Vancouver, BC.  
This report was printed on 21-JUL-94.

## SAMPLE PREPARATION

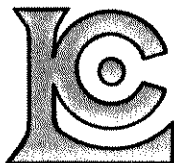
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	59	Geochem ring to approx 150 mesh
294	59	Crush and split (6-10 pounds)
229	59	ICP - AQ Digestion charge

\* NOTE 1:

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

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	59	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	59	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	59	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	59	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	59	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	59	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	59	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	59	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	59	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	59	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	59	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	59	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	59	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	59	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	59	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	59	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	59	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	59	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	59	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	59	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	59	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	59	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	59	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	59	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	59	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	59	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	59	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	59	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	59	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	59	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	59	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	59	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	59	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



# Chemex Labs Ltd.

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

To: INCO EXPLORATION AND TECHNICAL SERVICES INC.  
 ATTN: EDWARD HUNTER  
 2690 - 666 BARRARD ST.  
 VANCOUVER, BC  
 V6C 2X8

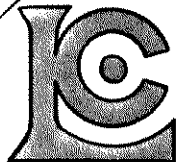
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 Certificate Date: 09-SEP-94  
 Invoice No. : 19423508  
 P.O. Number :  
 Account : KPJF

Project : 60553-86020  
 Comments: ATTN: D. BOHME

## CERTIFICATE OF ANALYSIS A9423508

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 %
FX 483944														
FX 483945														
FX 483946														
FX 483947														
FX 483948														
FX 483949														
FX 483950														
FX 483951														
FX 483952														
FX 483953														
FX 483954														
FX 483955														
FX 483956														
FX 483957														
FX 483958														
FX 483959														
FX 483960	299 --	14.70	3.34	0.14	13.09	1.13	7.49	0.29	1.80	0.09	50.45	1.11	6.49	100.12
FX 483961	299 --	10.78	7.87	0.35	13.08	0.08	16.27	0.28	0.21	0.09	37.19	0.80	12.17	99.17
FX 483962	299 --	9.29	4.06	0.39	13.27	0.12	15.17	0.23	0.19	0.07	46.25	0.65	8.60	98.29
FX 483963	299 --	13.26	9.53	0.21	13.56	1.14	7.38	0.21	2.48	0.08	49.51	1.05	1.38	99.79
FX 483964	299 --	14.05	6.18	0.21	13.21	0.79	8.51	0.19	3.18	0.08	49.61	1.11	3.16	100.28
FX 483965	299 --	15.45	3.63	0.13	13.44	4.20	7.89	0.18	1.23	0.09	44.37	1.29	6.34	98.24
FX 483966	299 --	13.73	8.78	0.03	12.71	0.99	7.70	0.22	2.70	0.08	48.29	1.05	1.86	98.14
FX 483967	299 --	13.86	6.95	0.02	12.11	0.71	7.76	0.24	2.66	0.09	49.96	1.10	2.88	98.34
FX 483968	299 --	14.91	8.35	0.02	9.07	1.20	5.63	0.20	3.57	0.09	49.38	1.12	5.58	99.12
RX 121778														
RX 121779														
RX 121780														
RX 121781														

CERTIFICATION:



# 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: EDWARD HUNTER  
2690 - 666 BURRARD ST.  
VANCOUVER, BC  
V6C 2X8

A9423508

Comments: ATTN: D. BOHME

**CERTIFICATE**

**A9423508**

(KPJF) - INCO EXPLORATION AND TECHNICAL SERVICES INC.

Project: 60553-86020  
P.O. #:

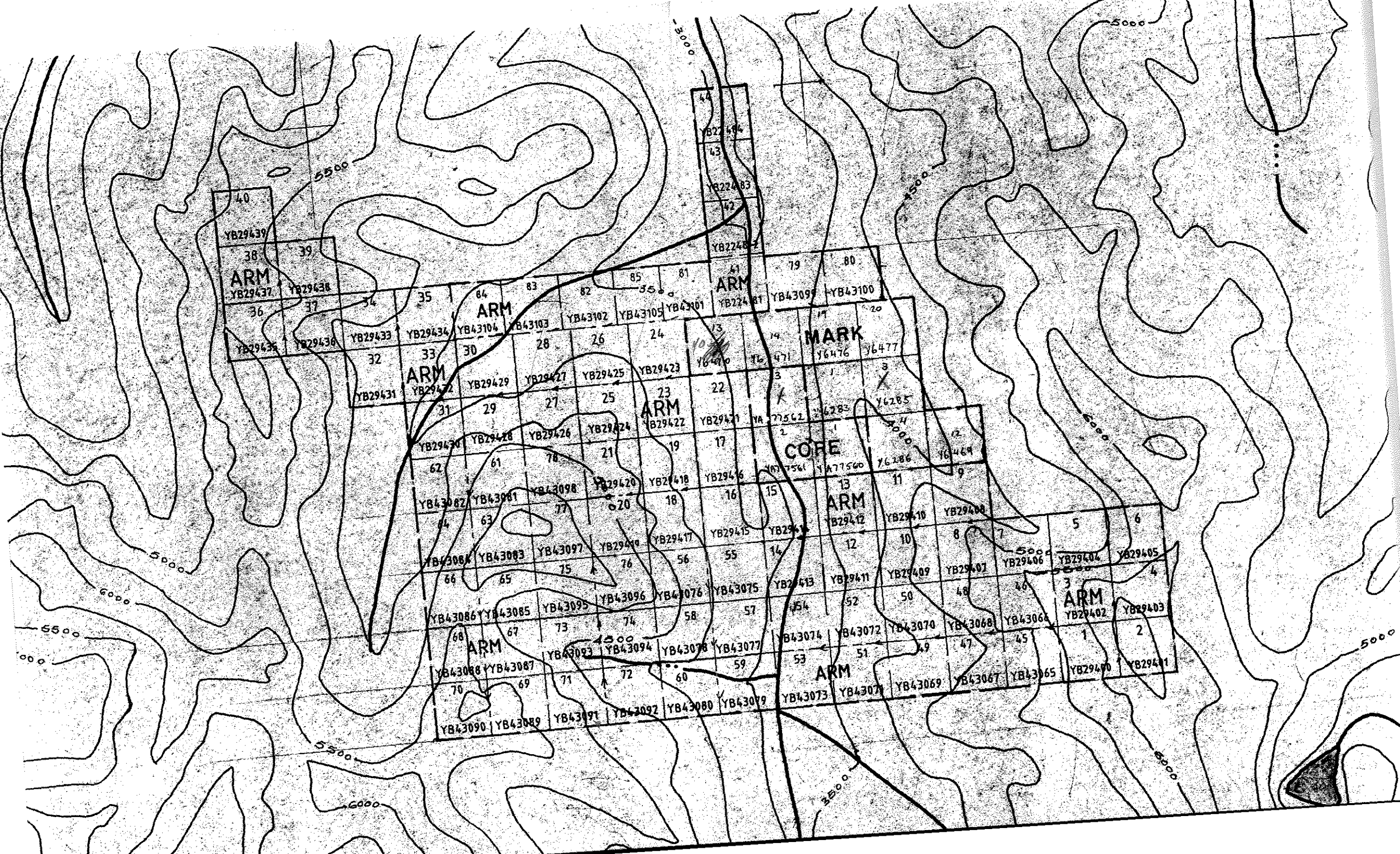
Samples submitted to our lab in Vancouver, BC.  
This report was printed on 9-SEP-94.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
299	29	Pulp; prepped on other workorder

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
902	29	Al2O3 %: XRF	XRF	0.01	100.00
906	29	CaO %: XRF	XRF	0.01	100.00
2590	29	Cr2O3 %: XRF	XRF	0.01	100.00
903	29	Fe2O3 %: XRF	XRF	0.01	100.00
908	29	K2O %: XRF	XRF	0.01	100.00
905	29	MgO %: XRF	XRF	0.01	100.00
1989	29	MnO %: XRF	XRF	0.01	100.00
907	29	Na2O %: XRF	XRF	0.01	100.00
909	29	P2O5 %: XRF	XRF	0.01	100.00
901	29	SiO2 %: XRF	XRF	0.01	100.00
904	29	TiO2 %: XRF	XRF	0.01	100.00
910	29	LOI %: XRF	XRF	0.01	100.00
2540	29	Total %	CALCULATION	0.01	105.00



40  
YB29439  
38  
ARM  
YB29437  
39  
YB29438  
36  
37  
34  
35

85 81 41 79 80  
ARM  
YB43102 YB43105 YB43101 YB22481 YB43099 YB43100  
35  
28 26 24  
ARM  
YB29427 YB29425 YB29423  
32 33 30  
YB29431 YB29432 YB29429 YB29427 YB29425 YB29423  
31 29 27 25  
YB29430 YB29428 YB29426 YB29424  
ARM  
YB29422 YB29421  
YB29420 YB29418 YB29416 YB29415 YB29414  
YB43082 YB43081 YB43098 YB29420 YB29418 YB29416 YB29415 YB29414  
YB43084 YB43083 YB43097 YB29419 YB29417 YB29415 YB29414  
YB43086 YB43085 YB43095 YB43096 YB43076 YB43075 YB29413 YB29411 YB29409 YB29407 YB29406 YB29404 YB29405  
YB43088 YB43087 YB43092 YB43094 YB43098 YB43077 YB43074 YB43072 YB43070 YB43068 YB43066 YB43064 YB29402 YB29403  
YB43090 YB43089 YB43091 YB43092 YB43080 YB43079 YB43073 YB43071 YB43069 YB43067 YB43065 YB29400 YB29401

MARK

COFE

ARM

ARM

ARM