

GM 54188

REPORT DIAMOND DRILLING, SPRING 1996, CROSS LAKE JV PROJECT

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Énergie et Ressources
naturelles

Québec 

**CROSS LAKE JV PROJECT (Cu, Zn, Au, Ag)
ASSESSMENT REPORT
DIAMOND DRILLING SPRING 1996
QUEBEC
NTS: 32-E/6,10, 11**

MRN - S.I.S.E.M.

1996/10

GM 54188

REÇU AU MRN

1996 -07- 2 9

BUREAU DU REGISTRAIRE

**B. Fraser, P. Guay
Inco Limited - Exploration
Val d'Or, Quebec
June 1996**

96212 - 062

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SUMMARY

In late November 1994 Inco Limited signed an option agreement on the Cross Lake / East West JV Property within the Casa Berardi area of the Abitibi Greenstone Belt. Inco has been actively exploring for volcanic massive sulphide in the area since 1991. The area is thickly mantled by glacial deposits and much of the local geology is deduced from widely spaced boreholes and geophysical interpretation. The Casa Berardi (10 Mt @ 7.0 g/t Au) and the Estrades (1.03 Mt @ 0.94 % Cu, 10.68 % Zn, 5.48 g/t Au, 182.0 g/t Ag) deposits occur 10-15 km north of the property.

In March 1996 Inco completed two diamond drill holes in the western-most claim block of the Cross Lake / East West Property. The boreholes tested induced polarization responses which were explained by sulphide iron formation and pyrrhotite-pyrite mineralized basalt. No significant metal anomalies or volcanogenic massive sulphide style hydrothermal alteration was detected.

To date the best IP anomalies within the property area have been drill tested, either by previous workers or by Inco. Based on the negative results returned by this drilling, no further drilling is recommended for the Cross Lake / East West JV Property.

1. INTRODUCTION

Compilation work in 1991 identified strong VMS potential of the Joutel-Raymond Domain, which hosts the Estrades (1.03 Mt @ 0.94% Cu, 10.68% Zn, 0.92% Pb, 5.48 g/t Au, and 182 g/t Ag) and Poirier (7.3 Mt @ 2.0% Cu, 1.8% Zn, and 4.9 g/t Ag) polymetallic deposits on the north rim of the synvolcanic Mistouac Batholith. The Cross Lake / East West JV Property is located in the western portion of the Joutel-Raymond Domain. Inco Limited - Exploration completed two diamond drill holes to test induced polarization anomalies detected in a recently completed geophysical survey. This report summarises the drilling results and provides recommendations for additional work.

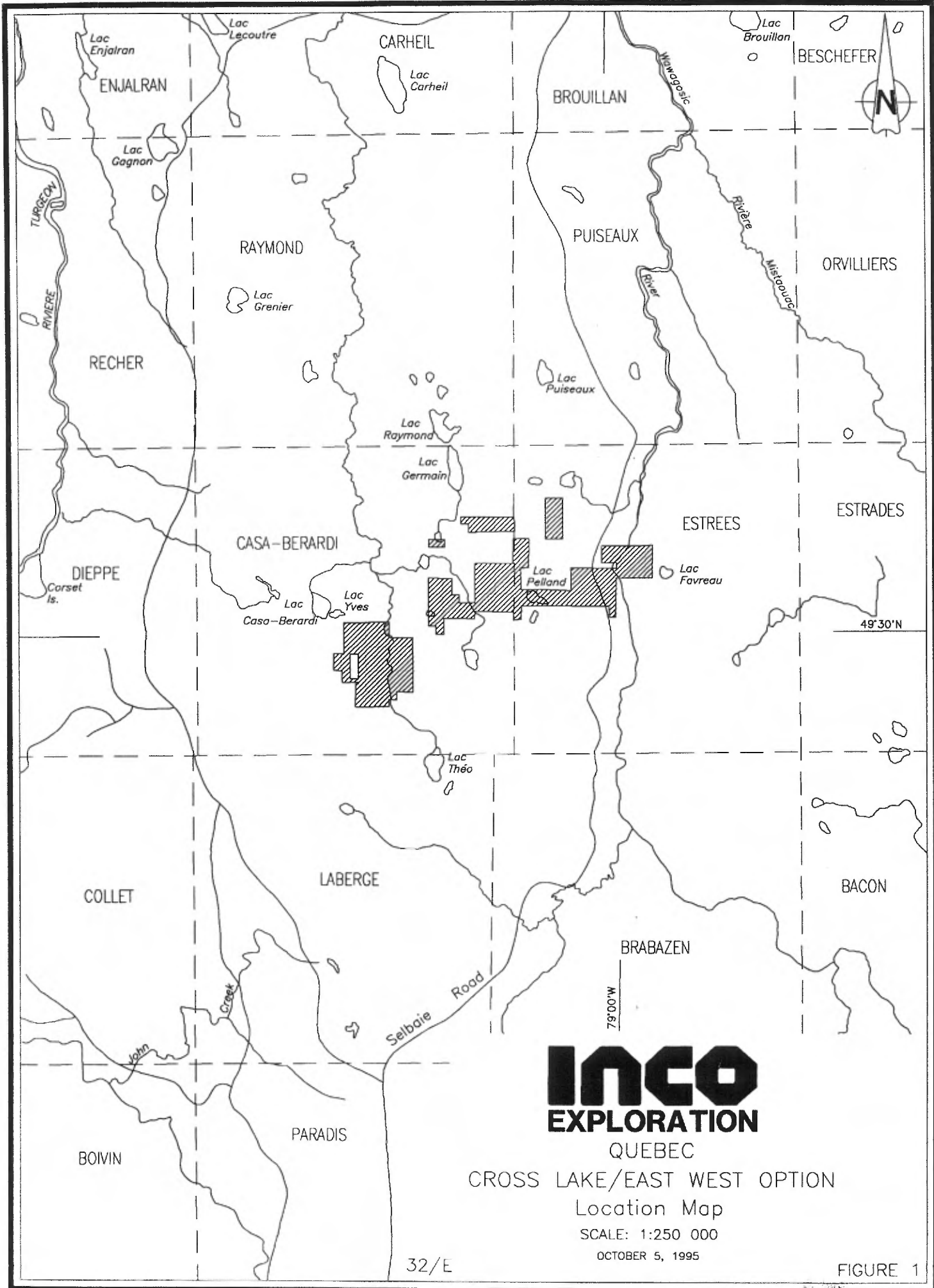
2. PROPERTY

2.1 Location and Access

The Cross Lake / East West JV (CLJV) property is situated in Casa Berardi, and Estrees Townships, 50 kilometers north of LaSarre, Quebec. Access to the western part of the property is provided by winter logging roads running east from the Les Mines Casa Berardi all weather gravel road. The eastern property boundary lies near the Selbaie Mine road (Figure 1).

2.2 Property Status

The CLJV property consists of 242 claims covering 3,872 hectares and are owned 50% by Cross Lake Minerals Ltd. and 50% by East-West Resources Corp. (Figure 2 and Appendix I). The claims remain in good standing until November 2, 1996. Inco is presently attempting to earn a 50% undivided interest in the claims by making \$75,000 in option payments and expending \$650,000 in exploration over a four year period.



32/E

INCO
EXPLORATION

QUEBEC

CROSS LAKE/EAST WEST OPTION

Location Map

SCALE: 1:250 000

OCTOBER 5, 1995

FIGURE 1

3. EXPLORATION HISTORY

The following is a list of files related to previous exploration in the area.

- 1962: Conwest Exploration carried out a ground MAG and Em surveys.
- 1963: Conwest Exploration drilled 3 holes on best EM and MAG anomalies. The holes intersected andesite, graphitic tuffs and locally cherty tuff. The EM conductors were explained by graphitic and pyritic horizons. No significant results were reported.
- 1964: Riotinto Canadian Exploration drilled 1 diamond drill hole. The hole intersected andesite, felsic tuff, rhyolite, and a 5m thick section of massive pyrite and pyrrhotite. Assays results are unknown.
- 1971: Riotinto Canadian Exploration carried out a ground EM and MAG surveys.
- 1972: Scan Exploration drilled three diamond drill holes. The holes intersected felsic tuffs and rhyolites. One hole intersected a pyrrhotite rich iron formation but no significant results were reported.
- 1974: Noranda Exploration carried out a ground EM and MAG surveys.
- 1975: Dome Exploration, carried out a combined ground EM and MAG survey.
- 1975: St.-Joseph Exploration, carried out a ground EM and MAG surveys.
- 1982: Newmont Exploration carried out a VLEM survey.
- 1986: Resources Achates and Jeton d'Or carried out a combined MAG and HLEM survey.
- 1986: Resource Eider carried out a ground MAG and EM surveys and drilled 8 boreholes on best anomalies. The holes intersected intercalated felsic tuffs and mafic flows. No significant results were reported.
- 1987-88: Exploration Mirandor carried out a MAG and IP surveys, and drilled 5 boreholes. The holes intersected basalt, andesite and dacitic tuff. No significant results were reported.

Inco Exploration

1995: Inco Limited-Exploration carried out geoscientific compilation, ground IP and MAG surveys, diamond drilling, mapping, re-logging and sampling from previously drilled holes. Many chargeability anomalies were defined by the IP surveys. Two drill holes were completed to test IP anomalies but no significant results were obtained. Best results of 0.51% Zn over 1.0m and 0.14% Cu over 1.0m were encountered in a core re-logging sample.

4. REGIONAL GEOLOGY

The CLJV property is situated in the north-central portion of the Abitibi Subprovince, in the Joutel-Raymond Domain (Lacroix et al., 1990, Figure 3). With the exception of Proterozoic diabase dykes, the rocks are Archean in age, and have been dated at 2728 Ma (Davis et al., 1992).

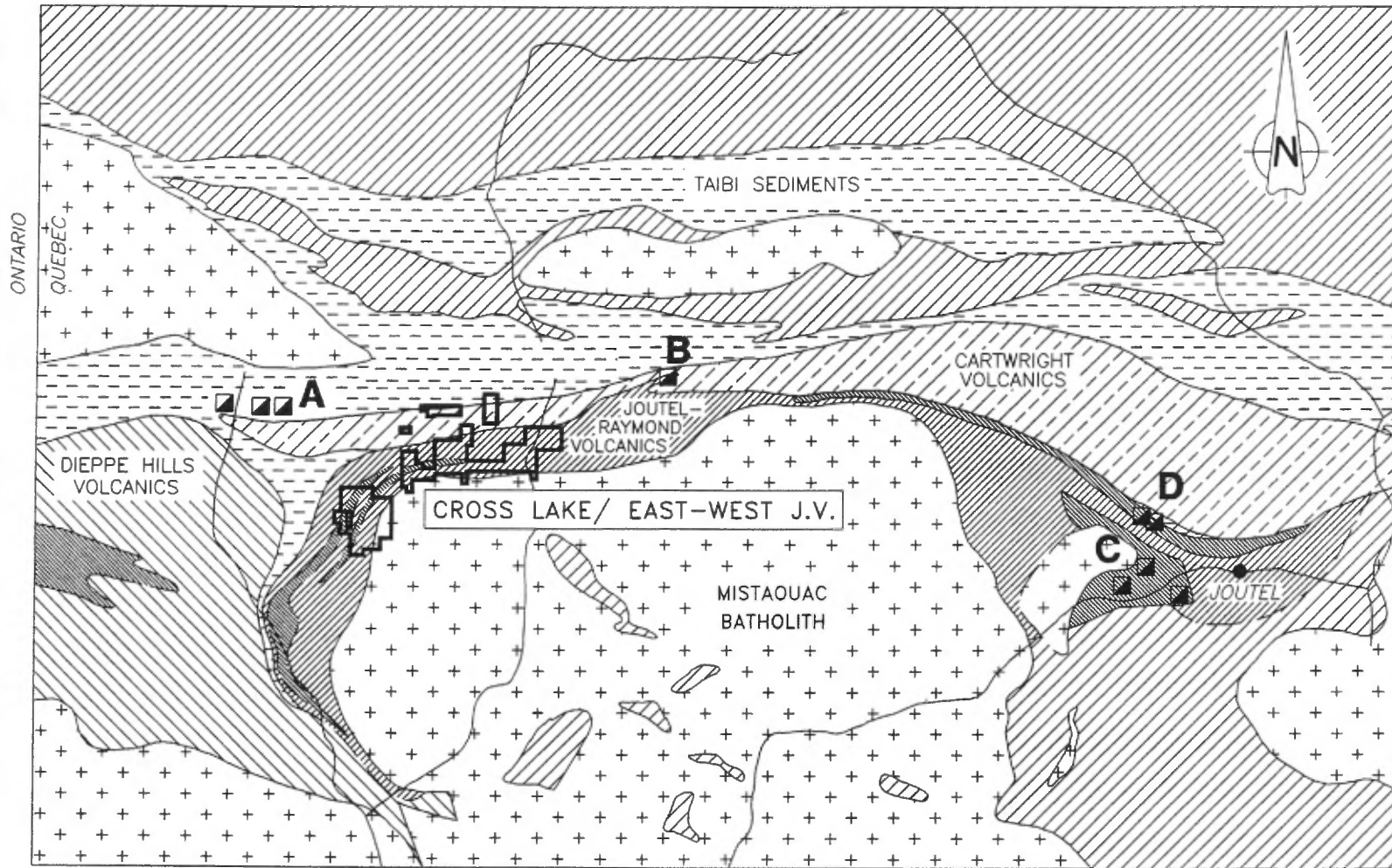
Basaltic flows overlain by cherty horizons, sediments, and banded iron formation comprise the Dieppe Hills Domain and Cartwright Volcanic Sequence, which structurally, and probably stratigraphically, overlie the Joutel-Raymond Domain. Felsic flows and tuffaceous units dominate the Joutel-Raymond stratigraphy, with abundant dacitic volcanics, and lesser mafic flows and sediments. The Taibi sediments form a wide band of unsorted sedimentary rocks located in the northern portion of Dieppe and Casa Berardi Townships. Conglomerate, graywacke, siltstone, and banded iron formation are the most common lithologies. These rocks contain the Casa Berardi gold deposits.

The granitoids of the Mistaouac Batholith have a composition varying from a mesotonalite to biotite-rich leucotonalite and granodiorite. Numerous Proterozoic dykes cut these plutons. The age estimate of the Mistaouac Batholith is between 2724 and 2728 Ma indicating that the batholith may be comagmatic with the extrusive rocks of the Joutel-Raymond Domain.

5. PROPERTY GEOLOGY AND MINERALIZATION

Overburden obscures the bedrock geology of the property, and therefore much of the geology shown in Figure 4 is deduced from boreholes drilled by previous workers and Inco, and through geophysical interpretation. The claims are underlain by volcano-sedimentary stratigraphy of the Joutel-Raymond Domain along the northwest margin of the presumed synvolcanic Mistaouac Batholith. The stratigraphy strikes northeast-southwest in the southern claim block and east-west in the northern block. The rock dips are sub-vertical and form what is thought to be an upright, homoclinal, north-facing sequence. Stratigraphic top direction is locally confirmed within the present drilling. The southern portion of the

QUEBEC, CROSS LAKE J.V. REGIONAL GEOLOGY



A LES MINES
CASA BERARDI:
6.4 Mt @
7.59 g/t Au

B ESTRADES
DEPOSIT:
1.03 Mt @
0.94% Cu
10.68% Zn
5.48 g/t Au
182.0 g/t Ag

C POIRIER
DEPOSIT:
7.3 Mt @
2.0% Cu
1.8% Zn
4.9 g/t Ag

D EAGLE-TELBEL:
4.8 Mt @
6.41 g/t Au

PROPERTY
OUTLINE
DEPOSIT

FELSIC VOLCANICS
MAFIC VOLCANICS

SEDIMENTS
GRANITOIDS

0 10
Km

FIGURE 3

QUEBEC, CROSS LAKE J.V. PROPERTY GEOLOGY

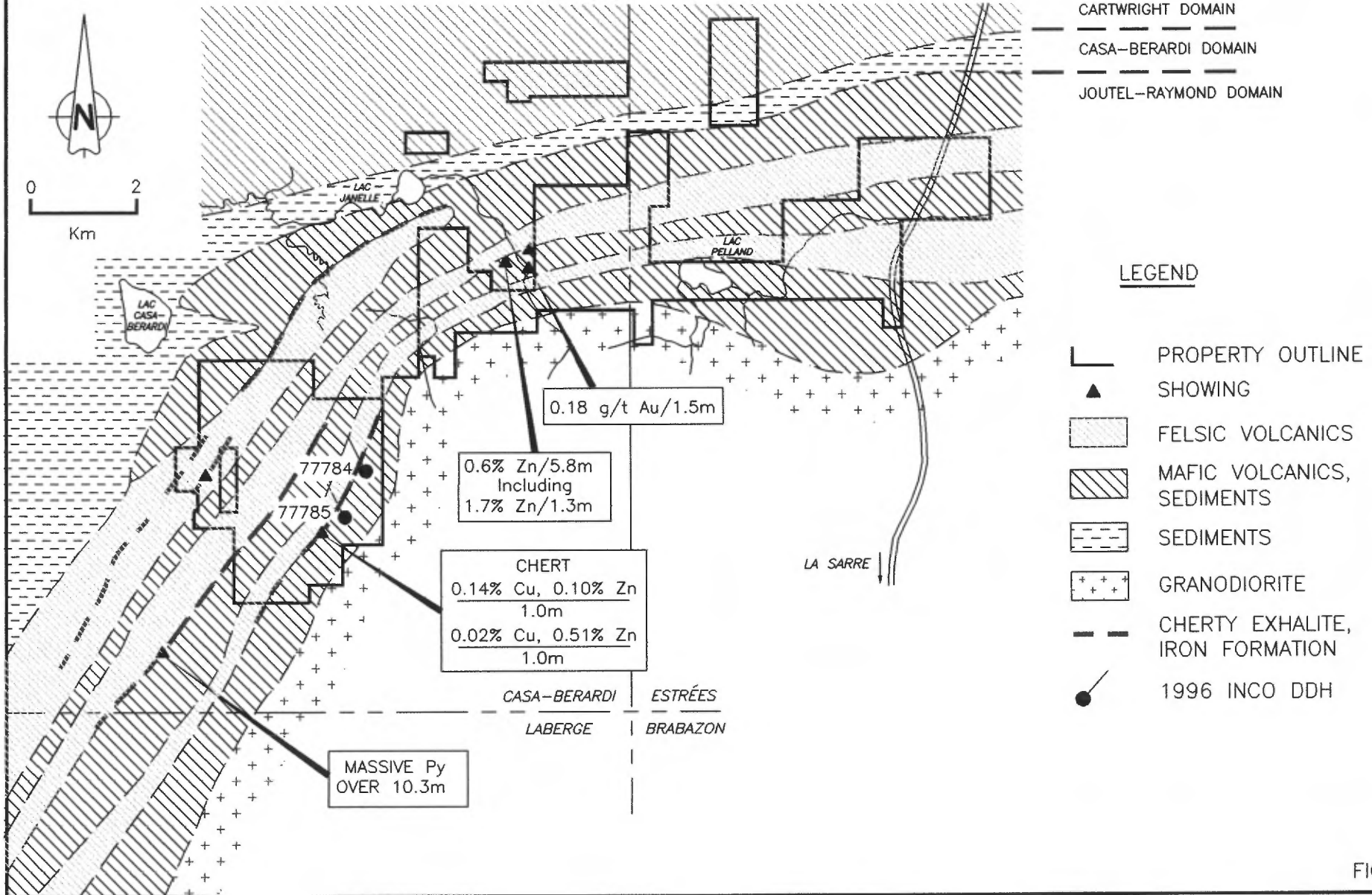


FIGURE 4

property covers an extensive carbonatized mafic volcanic dominated sequence. This basalt-rich sequence is locally interrupted by thin iron formation, cherty exhalite and graphitic mudstone horizons. Felsic flows and tuffs have been intersected to the north. The present drilling intersected mafic volcanic dominated stratigraphy within the southern portion of the property. Best results of 0.15 % Cu / 0.98 m and 0.19 % Zn / 0.66 m were returned within chalcopyrite and sphalerite mineralized quartz carbonate veinlets crosscutting interflow iron formation units.

6. 1995 EXPLORATION PROGRAM

6.1 Geophysical Surveys

In August 1995, Geola Ltd of Val d'Or, carried out a combined MAG and IP survey consisting of 29.4 km of new line cutting, 39.5 km of MAG and 40.9 km of IP. Results defined three parallel IP trends, 500 m to 2,000 m long, on the western portion of the property which appear to be related to favourable felsic and mafic volcanic contacts. The final report produced by Geola, including conclusions and recommendations, has been filed as a separate document.

6.2 Diamond Drilling

Between March 27 to April 3, 1996, Forage Mercier, of Val d'Or, completed 513.0 metres of diamond drilling in two boreholes on the CLJV property as outlined in Table 1 below. The core is stored at Inco's core library in Val d'Or. The holes were drilled to test IP chargeability anomalies on strike from known base metal mineralization.

TABLE 1 - 1996 Cross Lake JV Diamond Drilling Synopsis

BH #	Line/Stat.	Target	Az.	Dip	FOH	Geology	Mineralization
77784-0	1200E/650S	Moderate IP P-12@ 120m vdepth	325	-50	234m	33.0 OB icld Maf volc w Bif & Chty exhl	IP = po minz wthn sulf IF
77785-0	000E/1425S	Moderate IP P-05@ 145m vdepth	325	-50	279m	52.4 OB icld Maf volc w Bif & Chty exhl	IP = po/py minz wthn Ands

From the 513.0 metres of core cut in the two boreholes, a total of 195 samples were tested for gold and base metal (AuBM) content and 36 samples were tested for major oxides (WR) by Chimitec Ltee. Laboratories of Val d'Or. The WR samples were tested for trace elements by Inco lab in Copper Cliff, Ontario. The sample distribution is summarised in Table 2 below:

TABLE 2 - 1996 Cross Lake JV Diamond Drilling Sample Summary

Borehole	AuBM SAMPLE #	TOTAL	WR SAMPLE #	TOTAL
77784-0	FX769632 - 712	81	FX743401-416	16
77785-0	FX769713 - 826	114	FX743417-436	20
TOTALS		195		36

Analytical results and borehole logs are presented in Appendices II and III. Borehole locations and sections are presented as Figure 6, 7 and 8 which accompany this report.

Borehole 77784 intersected extensive mafic volcanic and intrusive rocks intercalated with thin exhalitive horizons consisting of cherty iron formation, cherty exhalite and graphitic mudstone. The IP anomaly is explained by bedded pyrrhotite within sulphide facies iron formation. A weakly feldspar porphyritic, Fe rich, tholeiitic basalt was intersected towards the bottom of the hole. The mafic rocks are generally pervasively calcite altered. Weakly anomalous base metal results were returned in sampling within sulphide silicate facies iron formation. The best result returned 0.15% Cu over 0.98m and is associated with chalcopyrite and sphalerite mineralized quartz carbonate veinlets.

Borehole 77785 intersected mafic volcanic and intrusive rocks intercalated with thin exhalitive horizons consisting of cherty banded iron formation and cherty exhalite. The IP anomaly is explained as mineralized brecciated basalt, highly injected and with quartz-carbonate-pyrrhotite-pyrite veinlets and fracture fillings. The mafic rocks are generally strongly pervasively calcite altered. Best result of 0.19% Zn over 0.66m was returned within a sample containing quartz carbonate veinlet with trace pyrite and rare sphalerite and chalcopyrite.

7. CONCLUSIONS AND RECOMMENDATIONS

In August 1995 Geola completed a MAG - IP survey over the Achatas Grid in the southern area of the CLJV property. Six weak to moderate IP anomalies are classified as first priority targets. Based on compilation and field evaluation, two boreholes (513.0m) were completed on IP anomalies in this area. The holes intersected calcite altered mafic volcanic and intrusive rocks with thin inter-flow cherty exhalite and iron formation horizons. The IP conductors are explained by pyrrhotite/pyrite mineralization within sulphide facies iron formation and crosscutting quartz carbonate veinlets within basalt. No significant gold or base metal results were returned in the sampling.

To date the best IP anomalies within the property area have been drill tested, either by previous workers or by Inco. Based on the negative results returned by this drilling, no further drilling is recommended for the Cross Lake / East West JV Property.

8. STATEMENT OF EXPENDITURES

Salaries and Fringes

Project Geologist	2 days	700.00	
Geologist	16 days	4560.00	
Geological Assistant	11 days	1375.00	
Draftsperson	3 days	600.00	
Draftsperson	3 days	<u>855.00</u>	\$ 8,090.00

Contract Diamond Drilling

Forage Mercier			\$25,463.75
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Analytical Charges

Chimitec			\$ 3,437.10
Inco			\$ 216.00

Accommodations, Food, Fuel

Timbec			\$ 872.00
Esso			\$ 39.42
Expense Accounts			\$ 79.75

Licensing & Permit Fees

La Sylve de la Haute Harricana Inc.			\$ 456.00
-------------------------------------	--	--	-----------

Transportation

Trucks	11 days @ \$32.26/day		\$ 354.86
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Miscellaneous

Core saw blades			\$ 764.40
Truck repairs			<u>\$ 40.00</u>

TOTAL:			\$39,813.28
---------------	--	--	--------------------

9. ATTESTATION

This is to certify that I, Pierre Guay:

reside at 1760 Boulevard Forest, Apt. 301, Val d'Or, Quebec, J9P 5J2, Canada.

have received a B.SC. in Geology in the year 1987 and a B.SC.A. in Geological Engineering in the year 1988 from Université du Québec à Chicoutimi, Québec.

have been engaged in the practice of exploration geology as a professional since 1988.

am a member of the Association des Prospecteurs du Québec and the Canadian institute of Mining.

the work reported was carried out under my supervision, and that the reported costs associated with the work are accurate.

signed in Val d'Or, Quebec, this 5th day of June, 1996.



Pierre Guay
Project Geologist

This is to certify that I, Robert Fraser:

reside at 3167 Ch. du Lac, Val d'Or, Quebec, Canada.

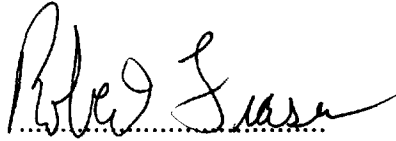
have received a B.Sc. in Specialization Geology/Chemistry from Concordia University, Montreal, Quebec:

have been engaged in the practice of exploration geology as a professional since 1987:

am a member of the Association des Prospecteurs du Québec and the Association Professionnelle des Géologues et des Géophysiciens du Québec:

the work reported herein was carried out under my supervision, and that the reported costs associated with the work are accurate.

Signed in Val d'Or, Quebec, this 5 th day of June, 1996.

A handwritten signature in cursive script, appearing to read "Robert Fraser". The signature is written in black ink on a white background.

Robert Fraser
Geologist

10. REFERENCES

- Beischer, G.B., 1993: Assessment Report, Diamond Drilling Program, 1993, Gemini Property, Northwestern Quebec.
- Davis, W.J., Machado, N., and Gariépy, C., 1992: Lithoprobe Report No. 33, Abitibi-Grenville Project.
- Lacroix, S., Simard, A., Pilote, P., Dubé, L.M., 1990: Regional geologic elements and mineral resources of the Harricana-Turgeon belt, Abitibi of NW Quebec. In *The Northwestern Polymetallic Belt: CIMM Special Volume 43*. pp. 313-326.
- Lortie, P., 1994: Geophysical Surveys, Gemini Project.
- MacLean, W.H., 1990: Mass Change Calculations in Altered Rock Series. *Mineralium Deposita*, Vol. 25.
- Pattison, E.P., Sauerbrei, J.A., Hannila, J.J., and Church, J.H. 1986: Gold mineralization in the Casa Berardi area, Quebec, Canada. In *Proceedings of GOLD'86*. Editor: A.J. MacDonald. Toronto. pp. 170-183.
- Russell, J.K. and Stanley, C.R. eds., 1990: Theory and Application of Pearce Element Ratios to Geochemical Data Analysis. Geological Association of Canada Short Course Notes, No. 8.

APPENDIX I

CLAIM LIST

CROSS LAKE / EAST WEST JV PROPERTY

Claim numbers	# of Claims	Expiry Date
5042464-5042469	6	April 30, 1996
5049842-5049855	14	November 3, 1997
5049857-5049876	20	November 3, 1997
5049897-5049941	45	December 2, 1997
5050798-5050801	4	April 30, 1996
5050811-5050820	10	March 10, 1997
5050861-5050895	35	March 10, 1997
5086741-5086753	13	December 2, 1997
5086755-5086756	2	December 2, 1997
5097527-5097535	9	July 18, 1997
5104981-5104982	2	July 18, 1997
5107905-5107909	5	July 18, 1997
5107961-5107968	8	July 18, 1997
5107970-5107980	11	July 18, 1997
5107983-5107990	8	July 18, 1997
5108001-5108020	20	July 18, 1997
5116646-5116653	8	January 27, 1998
5116655-5116666	12	January 27, 1998
5130473-5130477	5	November 2, 1996
5136175-5136179	5	November 2, 1996
Total	242	

APPENDIX II
ANALYTICAL RESULTS

1322 rue Harricana
Val d'Or, Québec J9P 3X6
Tél: (819) 825-0178
Fax: (819) 825-0256

CHIMITEC LTEE

CERTIFICAT D'ANALYSE

RAPPORT: C96-61160.0 (COMPLET)

RÉFÉRENCE: 148374

CLIENT: INCO LIMITEE - EXPLORATION
PROJET: 60246

SOMIS PAR: JP. GUAY
DATE DE L'IMPRESSION: 9-APR-96

COMMANDE	ÉLÉMENT	NOMBRE LIMITE INFÉRIEURE		EXTRACTION	MÉTHODE
		D'ANALYSES	DE DETECTION		
1	Au30 Or	81	5 PPB	Pyro Analyse de 30g	30g Pyroanalyse - AA
2	Cu Cuivre	81	1 PPM	HCL:HNO3 (3:1)	ABSORPTION ATOMIQUE

3	Zn Zinc	81	1 PPM	HCL:HNO3 (3:1)	ABSORPTION ATOMIQUE
4	Ag Argent	81	0.1 PPM	HCL:HNO3 (3:1)	ABSORPTION ATOMIQUE

TYPES D'ÉCHANTILLONS	NOMBRE	FRACTION UTILISÉE	NOMBRE	PRÉP. DE L'ÉCHAN.	NOMBRE
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CAROTTE DE FORAGE	81	-150	81	CONCASSER, PULVERISE	81
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COPIES DU RAPPORT À: M. PIERRE GUAY
PAR FAX:825-8672

FACTURE À: M. PIERRE GUAY

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 PROJET: 60246 PAGE 1

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Au30 PPB	Cu PPM	Zn PPM	Ag PPM	NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Au30 PPB	Cu PPM	Zn PPM	Ag PPM
FX 769632		<5	107	66	<0.1	FX 769672		<5	42	46	<0.1
FX 769633		16	213	72	<0.1	FX 769673		<5	39	41	<0.1
FX 769634		<5	150	67	<0.1	FX 769674		<5	189	33	<0.1
FX 769635		<5	14	140	<0.1	FX 769675		18	152	993	0.3
FX 769636		<5	136	65	<0.1	FX 769676		12	261	885	0.3
FX 769637		<5	112	86	<0.1	FX 769677		<5	83	129	<0.1
FX 769638		<5	140	65	<0.1	FX 769678		<5	140	122	0.2
FX 769639		<5	129	87	<0.1	FX 769679		<5	132	140	0.3
FX 769640		7	138	89	<0.1	FX 769680		<5	137	134	0.3
FX 769641		5	138	74	<0.1	FX 769681		<5	161	136	0.2
FX 769642		<5	101	97	0.2	FX 769682		<5	145	121	0.2
FX 769643		<5	95	107	<0.1	FX 769683		<5	132	97	0.2
FX 769644		<5	162	86	<0.1	FX 769684		<5	410	93	0.4
FX 769645		<5	97	57	<0.1	FX 769685		<5	122	87	0.2
FX 769646		7	149	88	0.2	FX 769686		<5	73	103	<0.1
FX 769647		<5	113	130	<0.1	FX 769687		6	161	39	<0.1
FX 769648		<5	166	187	0.2	FX 769688		<5	52	18	<0.1
FX 769649		32	213	490	1.0	FX 769689		58	152	33	<0.1
FX 769650		14	315	543	0.6	FX 769690		17	110	26	<0.1
FX 769651		15	315	279	0.6	FX 769691		<5	12	40	<0.1
FX 769652		27	247	484	0.6	FX 769692		11	18	9	<0.1
FX 769653		10	312	782	0.4	FX 769693		10	24	15	<0.1
FX 769654		21	896	658	0.6	FX 769694		23	77	10	<0.1
FX 769655		7	214	84	0.2	FX 769695		<5	40	34	<0.1
FX 769656		176	1474	945	0.9	FX 769696		<5	15	42	<0.1
FX 769657		18	125	144	0.2	FX 769697		<5	79	21	<0.1
FX 769658		49	230	110	0.3	FX 769698		6	125	26	<0.1
FX 769659		8	98	110	<0.1	FX 769699		<5	102	106	<0.1
FX 769660		38	436	101	0.3	FX 769700		<5	6	100	<0.1
FX 769661		<5	60	156	<0.1	FX 769701		151	119	30	<0.1
FX 769662		<5	85	135	<0.1	FX 769702		10	157	93	<0.1
FX 769663		<5	164	128	<0.1	FX 769703		30	299	90	0.4
FX 769664		<5	109	102	0.2	FX 769704		<5	121	102	<0.1
FX 769665		<5	126	136	0.2	FX 769705		<5	130	80	<0.1
FX 769666		<5	218	86	0.2	FX 769706		6	153	102	<0.1
FX 769667		7	384	74	0.2	FX 769707		<5	134	108	<0.1
FX 769668		<5	84	150	0.2	FX 769708		<5	73	118	<0.1
FX 769669		<5	116	132	<0.1	FX 769709		<5	105	85	<0.1
FX 769670		20	424	271	0.5	FX 769710		8	43	69	<0.1
FX 769671		34	516	80	0.5	FX 769711		<5	5	50	<0.1

MCS

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CHIMATEC LTEE

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PAGE 2

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Au30 PPB	Cu PPM	Zn PPM	Ag PPM	NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Au30 PPB	Cu PPM	Zn PPM	Ag PPM
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FX 769712		<5	4	48	<0.1						
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RAPPORT: C96-61238.0 (COMPLET)

DATE DE L'IMPRESSION: 16-APR-96

PROJET: 60246

PAGE 1

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Au30 PPB	Cu PPM	Zn PPM	Ag PPM	NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Au30 PPB	Cu PPM	Zn PPM	Ag PPM
FX-769713		<5	180	120	<0.1	FX-769753		<5	217	95	<0.1
FX-769714		<5	221	120	0.2	FX-769754		28	567	106	0.2
FX-769715		<5	69	143	<0.1	FX-769755		117	321	108	0.4
FX-769716		<5	140	144	<0.1	FX-769756		36	336	68	0.5
FX-769717		<5	113	117	<0.1	FX-769757		62	407	56	0.4
FX-769718		<5	99	123	<0.1	FX-769758		61	180	77	0.3
FX-769719		<5	173	102	0.2	FX-769759		<5	70	216	<0.1
FX-769720		<5	718	102	0.2	FX-769760		<5	72	133	<0.1
FX-769721		<5	107	114	<0.1	FX-769761		<5	91	160	<0.1
FX-769722		<5	153	116	<0.1	FX-769762		<5	56	167	<0.1
FX-769723		<5	252	102	<0.1	FX-769763		9	128	172	<0.1
FX-769724		<5	212	112	<0.1	FX-769764		<5	63	128	<0.1
FX-769725		<5	233	148	<0.1	FX-769765		<5	51	135	<0.1
FX-769726		<5	305	121	0.2	FX-769766		8	143	122	0.4
FX-769727		<5	212	165	0.2	FX-769767		<5	164	115	<0.1
FX-769728		<5	194	179	<0.1	FX-769768		<5	154	118	<0.1
FX-769729		<5	255	49	<0.1	FX-769769		<5	271	112	<0.1
FX-769730		29	448	165	<0.1						
FX-769731		<5	143	219	<0.1						
FX-769732		<5	95	76	<0.1						
FX-769733		<5	205	124	0.3						
FX-769734		<5	176	426	0.6						
FX-769735		10	209	144	0.2						
FX-769736		<5	112	120	<0.1						
FX-769737		7	147	155	0.2						
FX-769738		<5	474	1943	1.0						
FX-769739		<5	199	132	<0.1						
FX-769740		<5	235	160	<0.1						
FX-769741		<5	365	167	<0.1						
FX-769742		<5	151	130	<0.1						
FX-769743		<5	890	137	0.2						
FX-769744		7	569	222	<0.1						
FX-769745		<5	317	133	<0.1						
FX-769746		<5	137	126	<0.1						
FX-769747		<5	318	125	<0.1						
FX-769748		16	329	105	0.2						
FX-769749		<5	134	106	0.2						
FX-769750		15	92	118	<0.1						
FX-769751		22	200	116	0.4						
FX-769752		<5	102	117	<0.1						

MCS

DATE DE L'IMPRESSION: 16-APR-96

RAPPORT: C96-61239.0 (COMPLET)

PROJET: 60246

PAGE 1

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Au30 PPB	Cu PPM	Zn PPM	Ag PPM	NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Au30 PPB	Cu PPM	Zn PPM	Ag PPM
FX-769770		<5	208	142	<0.1	FX-769810		74	118	756	<0.1
FX-769771		<5	173	106	<0.1	FX-769811		<5	83	97	<0.1
FX-769772		6	68	129	<0.1	FX-769812		8	388	100	<0.1
FX-769773		<5	39	179	<0.1	FX-769813		<5	165	86	<0.1
FX-769774		<5	795	137	<0.1	FX-769814		<5	150	76	<0.1
FX-769775		<5	180	225	<0.1	FX-769815		<5	188	76	<0.1
FX-769776		13	306	54	<0.1	FX-769816		<5	145	67	<0.1
FX-769777		<5	189	130	<0.1	FX-769817		<5	95	72	<0.1
FX-769778		<5	180	117	<0.1	FX-769818		<5	241	91	<0.1
FX-769779		<5	167	108	<0.1	FX-769819		<5	139	78	<0.1
FX-769780		10	200	100	<0.1	FX-769820		<5	156	83	<0.1
FX-769781		6	154	107	<0.1	FX-769821		<5	242	87	<0.1
FX-769782		<5	161	101	<0.1	FX-769822		16	146	84	<0.1
FX-769783		<5	187	94	<0.1	FX-769823		11	144	86	<0.1
FX-769784		<5	195	112	<0.1	FX-769824		<5	128	83	<0.1
FX-769785		9	195	121	<0.1	FX-769825		<5	156	87	<0.1
FX-769786		<5	224	119	<0.1	FX-769826		<5	121	100	<0.1
FX-769787		6	205	78	<0.1						
FX-769788		<5	218	100	<0.1						
FX-769789		6	166	106	<0.1						
FX-769790		<5	166	100	<0.1						
FX-769791		<5	199	102	<0.1						
FX-769792		<5	204	106	<0.1						
FX-769793		11	218	66	<0.1						
FX-769794		7	192	100	<0.1						
FX-769795		<5	239	118	<0.1						
FX-769796		<5	210	123	<0.1						
FX-769797		11	398	140	<0.1						
FX-769798		<5	216	162	<0.1						
FX-769799		<5	88	157	<0.1						
FX-769800		26	148	83	0.3						
FX-769801		10	141	153	0.3						
FX-769802		<5	104	186	<0.1						
FX-769803		15	143	167	0.3						
FX-769804		<5	87	131	<0.1						
FX-769805		<5	576	174	<0.1						
FX-769806		18	398	141	0.3						
FX-769807		6	265	67	<0.1						
FX-769808		<5	181	49	<0.1						
FX-769809		35	355	51	<0.1						

W3

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CHIMITEC LEE

CERTIFICAT D'ANALYSE

RAPPORT: C96-61161.0 (COMPLET)

RÉFÉRENCE: 148374

CLIENT: INCO LIMITEE - EXPLORATION

SOU MIS PAR: P. GUAY

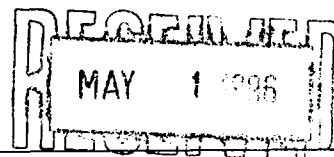
PROJET: 60246

DATE DE L'IMPRESSION: 16-APR-96

COMMANDE	ÉLÉMENT	NOMBRE LIMITE INFÉRIEURE		EXTRACTION	MÉTHODE
		D'ANALYSES	DE DETECTION		
1	SiO2 Silica (SiO2)	16	0.01 PCT	FUSION BORATE	INDUC. COUP. PLASMA
2	TiO2 Titane (TiO2)	16	0.01 PCT	FUSION BORATE	INDUC. COUP. PLASMA
3	Al2O3 Alumine (Al2O3)	16	0.01 PCT	FUSION BORATE	INDUC. COUP. PLASMA
4	Fe2O3* Fer Total (Fe2O3)	16	0.01 PCT	FUSION BORATE	INDUC. COUP. PLASMA
5	MnO Manganese (MnO)	16	0.01 PCT	FUSION BORATE	INDUC. COUP. PLASMA
6	MgO Magnesium (MgO)	16	0.01 PCT	FUSION BORATE	INDUC. COUP. PLASMA
7	CaO Calcium (CaO)	16	0.01 PCT	FUSION BORATE	INDUC. COUP. PLASMA
8	Na2O Sodium (Na2O)	16	0.01 PCT	FUSION BORATE	INDUC. COUP. PLASMA
9	K2O Potassium (K2O)	16	0.05 PCT	FUSION BORATE	INDUC. COUP. PLASMA
10	P2O5 Phosphore (P2O5)	16	0.03 PCT	FUSION BORATE	INDUC. COUP. PLASMA
11	LOI Perte au feu	16	0.05 PCT	Ignition 1000 Deg. C	GRAVIMETRIE
12	Total Elements majeurs Tot	16	0.01 PCT		
13	Ba Baryum	16	10 PPM	FUSION BORATE	INDUC. COUP. PLASMA
14	Cr Chrome	16	10 PPM	FUSION BORATE	INDUC. COUP. PLASMA
15	Sr Strontium	16	1 PPM	FUSION BORATE	INDUC. COUP. PLASMA

TYPES D'ÉCHANTILLONS	NOMBRE	FRACTION UTILISÉE	NOMBRE	PRÉP. DE L'ÉCHAN.	NOMBRE
CAROTTE DE FORAGE	16	-150	16	CONCASSER, PULVERISE	16

COPIES DU RAPPORT À: M. PIERRE GUAY
 PAR FAX: 825-8672
 FACTURE À: M. PIERRE GUAY



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CHIMATEC LTEE

CERTIFICAT D'ANALYSE

RAPPORT: C96-61161.0 (COMPLET)

DATE DE L'IMPRESSION: 16-APR-96

PROJET: 60246

PAGE 1B

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Ba PPM	Cr PPM	Sr PPM
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FX 743401		<10	426	100
FX 743402		<10	423	84
FX 743403		25	321	70
FX 743404		378	394	53
FX 743405		279	371	48

FX 743406		87	296	39
FX 743407		217	161	89
FX 743408		13	318	71
FX 743409		<10	28	<1
FX 743410		264	418	43

FX 743411		130	345	39
FX 743412		<10	347	67
FX 743413		10	381	97
FX 743414		10	478	188
FX 743415		<10	217	170

FX 743416		46	164	126
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CHIMITEC LTEE

CERTIFICAT D'ANALYSE

RAPPORT: C96-61240.0 (COMPLET)

DATE DE L'IMPRESSION: 22-APR-96

PROJET: 60246

PAGE 1A

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	SiO2 PCT	Al2O3 PCT	Fe2O3* PCT	MgO PCT	CaO PCT	Na2O PCT	K2O PCT	TiO2 PCT	P2O5 PCT	MnO PCT	Cr PPM	LOI PCT
F-743417		48.63	14.59	9.97	5.63	10.06	1.97	0.04	0.79	0.05	0.19	310	7.32
F-743418		46.86	14.93	13.11	7.20	10.39	0.30	0.03	1.18	0.15	0.21	171	5.12
F-743419		50.37	14.52	11.07	6.32	8.42	2.74	0.06	0.90	0.07	0.19	179	4.46
F-743420		53.05	14.57	7.57	4.43	9.72	2.48	0.06	0.93	0.07	0.15	170	5.84
F-743421		52.18	15.88	9.21	5.40	8.76	2.58	0.04	1.02	0.08	0.17	193	4.41
F-743422		47.46	13.85	12.70	7.01	12.38	0.08	0.02	0.78	0.06	0.21	161	5.55
F-743423		48.63	14.34	11.45	7.99	12.53	0.81	0.04	0.61	0.05	0.19	328	3.00
F-743424		47.21	13.88	9.95	4.64	12.37	1.87	0.05	0.85	0.07	0.24	150	8.62
F-743425		47.15	14.17	9.79	4.93	9.16	2.55	0.84	0.85	0.07	0.20	134	9.09
F-743426		45.62	12.08	14.60	5.84	10.30	0.09	0.07	1.06	0.09	0.20	130	8.81
F-743427		51.51	15.23	9.19	3.79	10.52	2.11	0.06	0.86	0.06	0.16	169	6.14
F-743428		51.13	16.10	10.69	4.98	4.74	4.39	0.15	0.92	0.07	0.16	172	5.81
F-743429		44.22	13.48	9.90	4.17	11.46	4.03	0.04	0.88	0.07	0.28	136	10.38
F-743430		50.62	14.64	8.39	3.76	9.18	3.73	0.11	0.94	0.07	0.18	151	7.29
F-743431		53.75	14.74	8.18	4.78	8.79	2.00	0.04	0.96	0.07	0.15	193	6.25
F-743432		53.31	14.71	8.01	3.71	10.81	2.48	0.03	0.93	0.07	0.13	160	5.26
F-743433		48.03	14.80	11.18	7.30	12.01	1.02	0.04	0.76	0.05	0.20	357	4.21
F-743434		47.68	14.87	10.98	6.13	12.62	0.89	0.04	0.80	0.06	0.23	346	5.37
F-743435		48.24	15.19	9.60	6.20	11.64	0.41	0.04	0.75	0.05	0.21	347	7.03
F-743436		42.53	12.43	11.65	6.44	9.79	0.88	0.18	0.76	0.06	0.19	172	13.81

MMS

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CHIMITEC LTEE

CERTIFICAT D'ANALYSE

RAPPORT: C96-61240.0 (COMPLET)

DATE DE L'IMPRESSION: 22-APR-96

PROJET: 60246

PAGE 1B

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Total PCT
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F-743417		99.27
F-743418		99.50
F-743419		99.14
F-743420		98.89
F-743421		99.75

F-743422		100.12
F-743423		99.67
F-743424		99.76
F-743425		98.81
F-743426		98.77

F-743427		99.65
F-743428		99.16
F-743429		98.92
F-743430		98.93
F-743431		99.73

F-743432		99.47
F-743433		99.64
F-743434		99.70
F-743435		99.39
F-743436		98.74

M/S

CROSS LAKE, BH 77784-0, QUEBEC

F2269.MTX94

XRF ANALYSES

APRIL 22 1996

SAMPLE NO.	NB PPM	ZR PPM	Y PPM	SR PPM	RB PPM
FX 743401	<5	39	17	94	<5
FX 743402	<5	41	17	81	<5
FX 743403	<5	42	18	58	<5
FX 743404	<5	44	14	38	50
FX 743405	<5	44	17	44	31
FX 743406	<5	39	17	33	14
FX 743407	8	167	26	98	16
FX 743408	<5	40	17	66	<5
FX 743409	<5	16	6	14	<5
FX 743410	<5	46	12	35	38
FX 743411	<5	41	17	42	24
FX 743412	<5	42	17	62	<5
FX 743413	<5	43	18	79	<5
FX 743414	<5	44	17	192	<5
FX 743415	<5	84	28	173	<5
FX 743416	7	134	17	117	<5
BAS1/5-5	5	101	30	145	12
2BAS	5	104	32	104	16
DETECTION LIMITS	5	5	5	5	5

INCO LIMITED
FIELD EXPLORATION ASSAY LAB
COPPER CLIFF



CROSS LAKE, BH 77785-0, QUEBEC

F2269.MTX94

XRF ANALYSES

APRIL 22 1996

SAMPLE NO.	NB PPM	ZR PPM	Y PPM	SR PPM	RB PPM
FX 743417	<5	48	21	91	<5
FX 743418	<5	78	20	105	<5
FX 743419	<5	56	17	98	<5
FX 743420	<5	57	15	96	<5
FX 743421	<5	59	19	96	<5
FX 743422	<5	46	17	146	5
FX 743423	<5	40	17	106	<5
FX 743424	<5	51	19	71	<5
FX 743425	5	56	20	36	17
FX 743426	5	73	26	64	<5
FX 743427	5	53	13	145	<5
FX 743428	<5	55	15	64	<5
FX 743429	<5	51	21	62	<5
FX 743430	<5	53	19	66	<5
FX 743431	<5	56	17	72	<5
FX 743432	<5	54	17	79	<5
FX 743433	<5	41	16	89	<5
FX 743434	<5	43	18	75	<5
FX 743435	<5	43	16	92	<5
FX 743436	<5	49	18	64	<5
RHY1/5-5	25	311	127	16	107
DETECTION LIMITS	5	5	5	5	5

INCO LIMITED
FIELD EXPLORATION ASSAY LAB
COPPER CLIFF



APPENDIX III

**1996 DIAMOND DRILLING LOGS
AND LITHOGEOCHEMISTRY**

77784-0

77784-0

**INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG**

BOREHOLE : 77784-0			PRINT DATE : 2-MAY-1996 15:08
PROJECT : CROSS LAKE			
PROPERTY NAME: CROSS LAKE			
Latitude : 650.00S	Departure : 1200.00E	Elevation : 1000.00m	Hole length : 234.00m
NTS/Quad : 32 E/06	Logged by : BOB FRASER	Assay req. : Au Cu Zn Ag WR tr	Level :
Country : CANADA	Drilled by : FORAGE MERCIER	Test Method : ACID	Dip : -50
Prov./state : QUEBEC	Drill type : LONGYEAR 38	Started : 27 MARCH 96	BL azimuth : 055
Twp/County : CASA-BERARDI	Core size : BQ	Completed : 29 MARCH 96	BH bearing : 325
Claim # : 5049929	Section : 1200 E	Grid name : ACHATES	Heading :

DEVIATION RECORDS

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	325.00	-50.00	33.00	-1.00	-51.00	63.00	-1.00	-51.00	93.00	-1.00	-50.00
123.00	-1.00	-50.00	153.00	-1.00	-49.00	183.00	-1.00	-49.00	234.00	-1.00	-47.00

COMMENTS : LEFT IN HOLE: CASING PULLED
RE-LOG BY B. FRASER APRIL 1996

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	CU	ZN	AG	AU	%MIN	CANG
m	m		m	m	m		PPM	PPM	PPM	PPB		
0.00	33.00	OVERBURDEN sAnd, pebbles and clay, few boulders at bedrock contact.	0.00	33.00	33.00	NS					-	-
33.00	76.40	DIORITE										

77784-0

77784-0

**INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG**

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	CU PPM	ZN PPM	AG PPM	AU PPB	%MIN	CANG
		Light gray green fine to medium grained massive diorite or possibly a coarse grained andesitic flow. Generally 20-25% fine to medium grained white subhedral feldspar phenocrysts in a very fine grained gray green intermediate matrix. Weakly foliated at 60 degrees to core axis. 1-2% irregular white quartz carbonate veinlets and hairline fractures, some light green epidote within quartz carbonate veins. Locally up to 5% quartz carbonate veining over the last 9 metres. Weak to moderate pervasive light green epidote alteration. Local dark green chlorite alteration at some quartz carbonate veinlet contacts. Trace pyrite generally associated with quartz carbonate veinlet material. RQD = 70% locally moderately broken core over the first 6 metres.	33.00	34.37	1.37	FX 769632	107.	66.	<0.100	<5.	tr	f60
			34.37	39.00	4.63	NS					tr	f60
			39.00	39.80	0.80	FX 769633	213.	72.	<0.100	16.	tr	f60
			39.80	40.26	0.46	FX 769634	150.	67.	<0.100	<5.	tr	qcvt
			40.26	49.22	8.96	NS					tr	f60
			49.22	49.80	0.58	FX 769635	14.	140.	<0.100	<5.	tr	f60
			49.80	61.29	11.49	NS					tr	f60
			61.29	61.71	0.42	FX 769636	136.	65.	<0.100	<5.	tr	f60
			61.71	67.31	5.60	NS					tr	f60
			67.31	68.56	1.25	FX 769637	112.	86.	<0.100	<5.	tr	f60
			68.56	69.00	0.44	FX 769638	140.	65.	<0.100	<5.	tr	qcvt
			69.00	69.72	0.72	FX 769639	129.	87.	<0.100	<5.	tr	f60
			69.72	71.34	1.62	FX 769640	138.	89.	<0.100	7.	tr	f60
			71.34	72.56	1.22	FX 769641	138.	74.	<0.100	5.	tr	f60
			72.56	76.40	3.84	NS					tr	f60
			76.40	77.27	0.87	NS					tr	f50-60
			77.27	78.68	1.41	FX 769642	101.	97.	0.200	<5.	tr	f50-60
			78.68	81.48	2.80	NS					tr	f50-60
			81.48	82.50	1.02	FX 769643	95.	107.	<0.100	<5.	tr	f50-60
			82.50	83.41	0.91	FX 769644	162.	86.	<0.100	<5.	tr	f50-60

76.40 83.41 BASALT

Fine to very fine grained light gray green carbonatized basalt. Looks similar to fine grained diorite above but with a sharp upper contact. Moderately foliated at 50-60 degrees to

**INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG**

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	CU	ZN	AG	AU	%MIN	CANG
m	m		m	m	m		PPM	PPM	PPM	PPB		
		core axis. 5-10% irregular white quartz carbonate veinlets and hairline fractures, some with light green epidote. Moderate to strong bleaching, pervasive calcite alteration. Weak patchy dark green chlorite alteration generally associated with quartz carbonate veinlets. Trace pyrite as fine grained blebs associated with quartz carbonate veinlets. RQD = 80%.										
82.50	82.72	Whole rock sample FX743404.										
83.41	96.22	IRON FORMATION										
		Well bedded sulfide silicate facies iron formation. Interbedded aphanitic light green to white cherty beds with fine grained gray to dark gray siliceous argillaceous beds and thin semi-massive to massive pyrrhotite pyrite beds. Some moderately magnetic bands, generally pyrrhotite with possible some fine grained magnetite. Bedding generally at 30-40 degrees to core axis, locally becoming sub parallel to core axis. Numerous graded beds and slumping structures indicate tops are down hole i.e. towards north-west. Locally small scale folding within the core. 1-2% quartz carbonate fractures and veinlets. Weak spotty carbonate alteration associated										
			83.41	84.23	0.82	FX 769645	97.	57.	<0.100	<5.	tr	b40
			84.23	85.66	1.43	FX 769646	149.	88.	0.200	7.	1	b40
			85.66	86.19	0.53	FX 769647	113.	130.	<0.100	<5.	tr	b40
			86.19	87.39	1.20	FX 769648	166.	187.	0.200	<5.	tr	b40
			87.39	87.86	0.47	FX 769649	213.	490.	1.000	32.	20	b40
			87.86	89.26	1.40	FX 769650	315.	543.	0.600	14.	10	b40
			89.26	89.80	0.54	FX 769651	315.	279.	0.600	15.	10	b40
			89.80	90.17	0.37	FX 769652	247.	484.	0.600	27.	10	b40
			90.17	90.92	0.75	FX 769653	312.	782.	0.400	10.	5	fldd
			90.92	91.20	0.28	FX 769654	896.	658.	0.600	21.	20	b40
			91.20	91.76	0.56	FX 769655	214.	84.	0.200	7.	1-2	b40
			91.76	92.74	0.98	FX 769656	1474.	945.	0.900	176.	40	b10
			92.74	93.23	0.49	FX 769657	125.	144.	0.200	18.	5	bxd
			93.23	94.50	1.27	FX 769658	230.	110.	0.300	49.	50	b30-40
			94.50	95.62	1.12	FX 769659	98.	110.	<0.100	8.	10	bxd
			95.62	96.22	0.60	FX 769660	436.	101.	0.300	38.	20	b30

INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	CU	ZN	AG	AU	%MIN	CANG
m	m		m	m	m		PPM	PPM	PPM	PPB		
		with quartz carbonate hairline fractures. Generally 5-10% pyrrhotite and pyrite as fine grained massive nodules and thin beds over <=1 centimetre, these are strong conductors. Sulfide content variable between tr-50% and locally associated with quartz carbonate veinlets and hairline fractures. Trace chalcopyrite as fine grained blebs within some quartz carbonate hairline fractures. RQD = 80%										
	91.76	92.74	40% pyrrhotite and pyrite within a fine grained, 5-6 centimetre sulfide bed sub parallel to core axis. Trace chalcopyrite associated with diffuse cross cutting quartz carbonate hairline fractures. Strong conductor.									
	93.23	94.50	Semi-massive fine grained pyrrhotite and pyrite, possible bedded. Weak to moderate conductor.									
96.22	113.36	BASALT										
		Fine grained light green weakly pillowed to massive basalt.	96.22	97.67	1.45	FX 769661	60.	156.	<0.100	<5.	tr	f45-50
		Widely spaced thin dark green pillow selvages with associated amygdules and brecciation, locally more massive to weakly foliated. Weak to moderate foliation at 45-50 degrees to core axis. 15-20% irregular white quartz	97.67	99.00	1.33	FX 769662	85.	135.	<0.100	<5.	tr	f45-50
			99.00	100.07	1.07	FX 769663	164.	128.	<0.100	<5.	tr	f45-50
			100.07	108.64	8.57	NS					tr	f45-50
			108.64	109.68	1.04	FX 769664	109.	102.	0.200	<5.	tr	f45-50
			109.68	111.81	2.13	NS					tr	f45-50
			111.81	113.36	1.55	FX 769665	126.	136.	0.200	<5.	tr	f45-50

**INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG**

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	CU	ZN	AG	AU	%MIN	CANG
m	m		m	m	m		PPM	PPM	PPM	PPB		
		carbonate veinlets. Moderate to strong pervasive calcite alteration. Trace pyrite fine to coarse grained cubes and blebs associated with quartz carbonate veinlets.										
	102.77	103.00										
		Whole rock sample FX743405.										
113.36	118.10	BASALT										
		Inhomogeneous brecciated and foliated basalt with cherty exhalite material. Strongly foliated and brecciated altered light green gray basalt fragments to 10 centimetres separated by thin dark fine grained, locally weakly magnetic, quartz calcite rich material. 30% cherty exhalite fragments to 10 centimetres over the first 1.5 metres. Probably the transition zone and upper contact of banded iron formation directly down hole. Very strong foliation at 40 degrees to core axis. 5-10% irregular and concordant quartz carbonate veinlets and hairline fractures. Strong pervasive calcite alteration. Patchy pale green sericite alteration over 4-5 centimetres within the upper chert fragment rich section. Up to 5% pyrite and pyrrhotite concentrated within chert fragment section. Sulfides as fine to medium grained	113.36	113.80	0.44	FX 769666	218.	86.	0.200	<5.	1-2	f40
			113.80	114.92	1.12	FX 769667	384.	74.	0.200	7.	5	f40
			114.92	116.52	1.60	FX 769668	84.	150.	0.200	<5.	tr	f40
			116.52	118.10	1.58	FX 769669	116.	132.	<0.100	<5.	tr-1	f40

**INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG**

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	CU	ZN	AG	AU	%MIN	CANG
m	m		m	m	m		PPM	PPM	PPM	PPB		
		bands or stretched fragments to 5 centimetres and some fine grained pyrite pyrrhotite associated with quartz carbonate veinlets. RQD = 75%										
118.10	123.57	BANDED IRON FORMATION										
		1-5 centimetre interbedded dark gray chert and black weakly magnetic beds. Well bedded and moderately foliated at 50 degrees to core axis. Very fine grained black moderately graphitic mudstone over the first 30 centimetres and over 1 metre at lower contact, these horizons are good conductors. Locally black magnetic beds also weakly graphitic and moderately conductive. Unit highly hairline fractured infilled by quartz carbonate material. 1% irregular white quartz carbonate veinlets. Moderate pervasive silica alteration, H=>6. Generally 1-5% pyrrhotite as fine to medium grained blebs along hairline fractures to locally smeared along foliation planes. Up to 10% sulfides over 5-30 centimetres zones composed of pyrrhotite with some pyrite. Rare chalcopyrite and sphalerite within fine grained sulfide clusters associated with graphite mudstone horizons. RQD = 70%	118.10	118.39	0.29	FX 769670	424.	271.	0.500	20.	5	b40
			118.39	118.90	0.51	FX 769671	516.	80.	0.500	34.	1-2	b40
			118.90	120.23	1.33	FX 769672	42.	46.	<0.100	<5.	tr	b40
			120.23	121.50	1.27	FX 769673	39.	41.	<0.100	<5.	tr	b40
			121.50	122.15	0.65	FX 769674	189.	33.	<0.100	<5.	7-8	b40
			122.15	123.23	1.08	FX 769675	152.	993.	0.300	18.	5	b40
			123.23	123.57	0.34	FX 769676	261.	885.	0.300	12.	10	b40

**INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG**

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	CU	ZN	AG	AU	%MIN	CANG
m	m		m	m	m		PPM	PPM	PPM	PPB		
123.57	152.92	BASALT										
		Fine grained light green	123.57	124.05	0.48	FX 769677	83.	129.	<0.100	<5.	1	bx
		gray basalt. Some flow breccia	124.05	125.62	1.57	FX 769678	140.	122.	0.200	<5.	tr	f40
		textures over 4-5 metre horizons.	125.62	129.40	3.78	NS					tr	-
		Locally weakly foliated at variable	129.40	130.94	1.54	FX 769679	132.	140.	0.300	<5.	tr	bx
		core angles. 10-15% white to dirty	130.94	141.00	10.06	NS					tr	-
		white quartz carbonate veinlets and	141.00	141.86	0.86	FX 769680	137.	134.	0.300	<5.	tr	bx
		hairline fractures. Moderate to strong	141.86	142.50	0.64	FX 769681	161.	136.	0.200	<5.	1	-
		pervasive calcite alteration, possibly	142.50	144.00	1.50	FX 769682	145.	121.	0.200	<5.	tr	-
		causing some bleaching. Trace pyrite	144.00	145.85	1.85	NS					tr	-
		and pyrrhotite as fine to medium	145.85	147.00	1.15	FX 769683	132.	97.	0.200	<5.	tr	-
		grained cubes and blebs associated with	147.00	147.33	0.33	FX 769684	410.	93.	0.400	<5.	10	qcv
		quartz carbonate veinlets. RQD = 80%	147.33	148.50	1.17	FX 769685	122.	87.	0.200	<5.	tr	-
		126.26 126.85 Local moderately broken core	148.50	151.50	3.00	NS					tr	-
		?	151.50	152.92	1.42	FX 769686	73.	103.	<0.100	<5.	tr	-
		127.00 127.25 Whole rock sample FX743406.										
		132.63 138.96 Feldspar porphyritic										
		intermediate dike with sharp irregular										
		contacts. Spotted with 20% white										
		subhedral fine to medium grained										
		feldspar phenocrysts in a light gray										
		fine grained matrix. Trace medium										
		grained quartz grains, phenocrysts ?										
		Good chilled contacts. Trace quartz										
		carbonate veinlets and trace pyrite.										
		135.00 to 135.27 whole rock										
		sample FX743407.										
		145.60 145.85 Whole rock sample FX743408.										
152.92	161.00	EXHALITE										

**INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG**

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	CU	ZN	AG	AU	%MIN	CANG
m	m		m	m	m		PPM	PPM	PPM	PPB		
		Interbedded aphanitic light green, white and dark gray cherty exhalite. Generally good 1-10 centimetre beds at variable core angles between 40-50 degrees, locally folded. Locally light green cherty exhalite over 1-2 metres. Unit contacts sharp and concordant. Moderately to strongly hairline fractured infilled with white quartz carbonate material. Patchy strong carbonate calcite alteration. Generally trace pyrite and some pyrrhotite as fine grained blebs associated with quartz carbonate hairline fractures. Up to 5% pyrite and pyrrhotite as very fine grained dusty specks concentrated within some cherty exhalite beds. RQD = 85%	152.92	153.38	0.46	FX 769687	161.	39.	<0.100	6.	5	b40
			153.38	154.56	1.18	FX 769688	52.	18.	<0.100	<5.	2-3	b40
			154.56	155.11	0.55	FX 769689	152.	33.	<0.100	58.	1	fldd
			155.11	156.20	1.09	FX 769690	110.	26.	<0.100	17.	tr	b40
			156.20	156.56	0.36	FX 769691	12.	40.	<0.100	<5.	tr	fldd
			156.56	157.69	1.13	FX 769692	18.	9.	<0.100	11.	tr	-
			157.69	158.69	1.00	FX 769693	24.	15.	<0.100	10.	tr	-
			158.69	159.28	0.59	FX 769694	77.	10.	<0.100	23.	1	b50
			159.28	159.73	0.45	FX 769695	40.	34.	<0.100	<5.	1-2	b50
			159.73	160.28	0.55	FX 769696	15.	42.	<0.100	<5.	tr	b50
			160.28	160.54	0.26	FX 769697	79.	21.	<0.100	<5.	1	b50
			160.54	161.00	0.46	FX 769698	125.	26.	<0.100	6.	tr	-
		156.91 157.28 Whole rock sample FX743409 within a 2 metre cherty exhalite horizon.										
161.00	166.33	BASALT										
		Fine grained light green gray foliated to flow breccia basalt similar as to 152.92. Moderately foliated at gradually varying core angles between 40 degrees to sub parallel core axis. Locally weakly fractured with dark hairline fractures, possibly flow breccia. 1-2% quartz	161.00	162.00	1.00	FX 769699	102.	106.	<0.100	<5.	tr	f40
			162.00	165.00	3.00	NS					tr	f0-40
			165.00	166.33	1.33	FX 769700	6.	100.	<0.100	<5.	tr	f10

**INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG**

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	CU	ZN	AG	AU	%MIN	CANG
m	m		m	m	m		PPM	PPM	PPM	PPB		
		carbonate hairline fractures and irregular veinlets. Moderate to strong pervasive calcite alteration. Trace pyrite as very fine grained specks associated with quartz carbonate veinlet material. RQD = 85%										
164.10	164.34	Whole rock sample FX743410.										
166.33	167.45	EXHALITE										
		Aphanitic well bedded cherty exhalite. Has a similar appearance as a banded iron formation with 3-10 centimetre interbedded gray cherty beds and dark gray to black siliceous argillaceous beds but only very weakly magnetic, possibly a lean iron formation. Bedding variable between 30-70 degrees to core axis, twisted to possibly folded. Unit contacts very sharp. Highly hairline fractured infilled with dirty white quartz carbonate material. Moderate calcite alteration along the hairline fractures. Tr-1% pyrite as very fine grained specks within some beds and also associated with hairline fractures. Trace chalcopyrite blebs at lower contact. RQD = 85%	166.33	167.45	1.12	FX 769701	119.	30.	<0.100	151.	tr-1	b30-70
167.45	182.08	BASALT										
		Fine grained gray green to	167.45	168.90	1.45	FX 769702	157.	93.	<0.100	10.	tr	-

**INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG**

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	CU PPM	ZN PPM	AG PPM	AU PPB	%MIN	CANG
		green gray massive calcite altered basalt. Very massive with 5% irregular white quartz carbonate veinlets. Strong to locally intense pervasive calcite alteration possibly causing gradational colour changes. Trace pyrite as very fine grained disseminated specks and as fine to medium grained blebs associated with quartz carbonate veinlets. RQD = 70%	168.90	182.08	13.18	NS					tr	-
172.42	172.65	Whole rock sample FX743411.										

182.08 182.92 MUDSTONE

182.08	182.92	0.84	FX 769703	299.	90.	0.400	30.	5	b40
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2-5 centimetre beds of black graphitic mudstone interbedded with 1-2 centimetre dark gray cherty beds. Locally good conductor. Unit contacts sharp and concordant with good bedding at 40 degrees to core axis. 5% irregular to concordant white quartz carbonate hairline fractures. Moderate pervasive calcite alteration along hairline fractures. Possibly moderate pervasive silica alteration H>6 throughout. 5% pyrrhotite as fine to medium grained blebs within quartz carbonate fractures and locally as thin fine grained massive pyrrhotite beds. RQD = 90%

182.92 213.05 BASALT

**INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG**

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	CU	ZN	AG	AU	%MIN	CANG
m	m		m	m	m		PPM	PPM	PPM	PPB		
		Light gray green fine	182.92	184.38	1.46	FX 769704	121.	102.	<0.100	<5.	tr	f40
		grained massive to locally flow	184.38	192.00	7.62	NS					tr	-
		brecciated basalt. Locally possibly	192.00	193.44	1.44	FX 769705	130.	80.	<0.100	<5.	tr	qcvng
		pillowed with thin indistinct dark	193.44	198.87	5.43	NS					tr	-
		selvages and amygdule rich zones.	198.87	200.44	1.57	FX 769706	153.	102.	<0.100	6.	tr	bx
		Generally massive to locally weakly	200.44	207.57	7.13	NS					tr	-
		foliated at variable core angles.	207.57	209.08	1.51	FX 769707	134.	108.	<0.100	<5.	tr	bx
		5-10% white irregular quartz carbonate	209.08	210.49	1.41	FX 769708	73.	118.	<0.100	<5.	tr	bx
		veinlets. Strong pervasive calcite	210.49	213.05	2.56	NS					tr	bx
		alteration possibly causing bleached										
		pale colour. Trace pyrite as very fine										
		grained specks within quartz carbonate										
		veinlets and as fine to medium grained										
		disseminated cubes. RQD = 70%										
		185.23 185.46 Whole rock sample FX743412.										
		196.97 197.22 Whole rock sample FX743413.										
		204.00 213.05 Flow breccia basalt highly										
		fractured infilled with white to light										
		green quartz carbonate and epidote										
		material. Moderate to strong carbonate										
		alteration associated with fractures.										
		Patchy dark green chlorite alteration.										
		Moderate light green patchy epidote										
		alteration possibly associated with										
		fractures. Trace pyrite as above.										
		210.75 to 211.03 whole rock										
		sample FX743414.										
		213.05 219.26 BASALT										
		Fine grained massive medium	213.05	215.34	2.29	NS					tr	-
		gray green weakly feldspar porphyritic	215.34	216.94	1.60	FX 769709	105.	85.	<0.100	<5.	tr	-

**INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG**

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	CU	ZN	AG	AU	%MIN	CANG
m	m		m	m	m		PPM	PPM	PPM	PPB		
		tholeiite basalt. 1% very fine grained white subhedral feldspar phenocrysts disseminated throughout. Trace fine grained dark round quartz porphyrys ? Broken core at sharp upper contact. Massive unit with 1-2% irregular white quartz carbonate veinlets. Weak to moderate pervasive dark green chlorite alteration. Trace pyrite as fine grained blebs within quartz carbonate veinlets.	216.94	219.26	2.32	NS					-	-
		217.36 217.61 Whole rock sample FX743415.										
		219.26 234.00 DIKE										
		Medium to coarse grained	219.26	225.00	5.74	NS					tr	f50-60
		medium green gray feldspar porphyritic intermediate dike. Variably mottled	225.00	226.20	1.20	FX 769710	43.	69.	<0.100	8.	tr	f50-60
		with 10-30% fine to medium grained subhedral white feldspar porphyrys in a fine grained gray green intermediate matrix. Locally feldspar grains become indistinct. 1% coarse grained anhedral light gray quartz grains. Weakly foliated at 50-60 degrees to core axis.	226.20	232.70	6.50	NS					tr	f50-60
		Sharp highly irregular upper contact. 1-2% irregular white quartz carbonate veinlets and hairline fractures. Local dark green chlorite alteration at quartz carbonate veinlet contacts. Trace pyrite fine grained blebs associated with quartz carbonate	232.70	233.24	0.54	FX 769711	5.	50.	<0.100	<5.	tr	f50-60
			233.24	234.00	0.76	FX 769712	4.	48.	<0.100	<5.	tr	f50-60

77784-0

77784-0

**INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG**

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	CU	ZN	AG	AU	%MIN	CANG
m	m		m	m	m		PPM	PPM	PPM	PPB		
		veinlets. RQD = 80%										
	226.20	226.50										
		Whole rock sample FX743416.										
		Foot of hole at 234.00										
		metres.										

77784-0

77784-0

CROSS LAKE PROJECT, MARCH 1996 DIAMOND DRILLING GEOCHEMISTRY.

BOREHOLE	SAMPLE #	LITHOLOGY	From (m)	To (m)	SiO2 %	TiO2 %	MgO %	Na2O %	CaO %	K2O %	Al2O3 %	Fe2O3 %	MnO %	P2O5 %	Cr ppm	Rb ppm	Sr ppm	Y ppm	Zr ppm	Nb ppm	Ba ppm	LOI %	Sum %	Zr/Y TOTAL	HASHI TOTAL
77784-0	743401	DIOR	43.72	43.97	48.72	0.72	6.81	1.80	11.45	0.05	15.82	10.25	0.18	0.08	426	<5	94	17	39	<5	<10	2.62	98.55	2.3	68
77784-0	743402	DIOR	59.36	59.66	48.12	0.73	7.30	1.42	12.38	<0.05	15.26	10.86	0.20	0.07	423	<5	81	17	41	<5	<10	3.78	100.19	2.4	67
77784-0	743403	DIOR	73.45	73.70	45.53	0.72	7.14	1.37	9.85	0.11	13.80	10.68	0.21	0.09	321	<5	58	18	42	<5	25	9.37	98.91	2.3	66
77784-0	743404	CRBD BSLT	82.50	82.72	49.10	0.82	3.78	1.97	7.64	2.57	16.24	7.97	0.18	0.08	394	50	38	14	44	<5	378	8.19	98.62	3.1	71
77784-0	743405	PILL BSLT	102.77	103.00	46.92	0.80	4.11	3.27	8.79	1.51	16.02	7.77	0.18	0.06	371	31	44	17	44	<5	279	10.05	99.55	2.6	72
77784-0	743406	CAL BSLT	127.00	127.25	45.38	0.69	6.39	1.51	8.39	0.70	13.84	11.10	0.18	0.05	296	14	33	17	39	<5	87	10.35	98.61	2.3	64
77784-0	743407	FP INT DIKE	135.00	135.27	66.38	0.46	1.65	4.35	3.89	0.74	13.93	4.83	0.08	0.11	161	16	98	26	167	8	217	2.59	99.05	6.4	76
77784-0	743408	CAL BSLT	145.60	145.85	45.75	0.75	3.73	4.18	10.88	0.07	15.38	8.40	0.21	0.06	318	<5	66	17	40	<5	13	9.19	98.64	2.4	69
77784-0	743409	CHRT EXHL	156.91	157.28	74.68	<0.01	3.34	0.20	5.18	0.12	0.31	10.65	0.18	0.05	28	<5	14	6	16	<5	<10	4.80	99.52	2.7	25
77784-0	743410	CAL BSLT	164.10	164.34	37.73	0.86	5.37	1.31	10.39	1.94	17.34	11.85	0.23	0.06	418	38	35	12	46	<5	264	12.52	99.67	3.8	65
77784-0	743411	CAL BSLT	172.42	172.65	45.13	0.71	5.98	0.84	10.34	1.33	13.92	9.51	0.20	0.07	345	24	42	17	41	<5	130	11.69	99.77	2.4	67
77784-0	743412	CAL BSLT	185.23	185.46	43.86	0.74	4.14	4.37	11.06	0.09	14.69	9.28	0.25	0.07	347	<5	62	17	42	<5	<10	11.21	99.79	2.5	66
77784-0	743413	CAL BSLT	196.97	197.22	47.31	0.76	4.58	3.00	10.16	0.07	15.19	8.78	0.22	0.08	381	<5	79	18	43	<5	10	7.78	97.97	2.4	69
77784-0	743414	BSLT FLBX	210.75	211.03	51.84	0.78	3.44	1.81	11.25	<0.05	16.34	8.88	0.18	0.07	478	<5	192	17	44	<5	10	4.53	99.18	2.6	69
77784-0	743415	THOL BSLT	217.36	217.61	50.13	1.32	6.09	0.41	10.63	0.05	13.23	12.58	0.24	0.14	217	<5	173	28	84	<5	<10	3.54	98.39	3.0	60
77784-0	743416	FP INT DIKE	226.20	226.50	69.71	0.40	1.60	5.26	3.82	0.25	14.44	3.72	0.06	0.05	164	<5	117	17	134	7	46	1.66	101.02	7.9	81

CROSS LAKE PROJECT, MARCH 1996 DIAMOND DRILLING GEOCHEMISTRY.

BOREHOLE	SAMPLE #	LITHOLOGY	From (m)	To (m)	SiO2 %	TiO2 %	MgO %	Na2O %	CaO %	K2O %	Al2O3 %	Fe2O3 %	MnO %	P2O5 %	Cr ppm	Rb ppm	Sr ppm	Y ppm	Zr ppm	Nb ppm	Ba ppm	LOI %	Sum %	Zr/Y TOTAL	HASHI TOTAL
77784-0	743401	DIOR	43.72	43.97	48.72	0.72	6.81	1.80	11.45	0.05	15.82	10.25	0.18	0.08	426	<5	94	17	39	<5	<10	2.62	98.55	2.3	68
77784-0	743402	DIOR	59.36	59.66	48.12	0.73	7.30	1.42	12.38	<0.05	15.26	10.86	0.20	0.07	423	<5	81	17	41	<5	<10	3.78	100.19	2.4	67
77784-0	743403	DIOR	73.45	73.70	45.53	0.72	7.14	1.37	9.85	0.11	13.80	10.68	0.21	0.09	321	<5	58	18	42	<5	25	9.37	98.91	2.3	66
77784-0	743404	CRBD BSLT	82.50	82.72	49.10	0.82	3.78	1.97	7.64	2.57	16.24	7.97	0.18	0.08	394	50	38	14	44	<5	378	8.19	98.62	3.1	71
77784-0	743405	PILL BSLT	102.77	103.00	46.92	0.80	4.11	3.27	8.79	1.51	16.02	7.77	0.18	0.06	371	31	44	17	44	<5	279	10.05	99.55	2.6	72
77784-0	743406	CAL BSLT	127.00	127.25	45.38	0.69	6.39	1.51	8.39	0.70	13.84	11.10	0.18	0.05	296	14	33	17	39	<5	87	10.35	98.61	2.3	64
77784-0	743407	FP INT DIKE	135.00	135.27	66.38	0.46	1.65	4.35	3.89	0.74	13.93	4.83	0.08	0.11	161	16	98	26	167	8	217	2.59	99.05	6.4	76
77784-0	743408	CAL BSLT	145.60	145.85	45.75	0.75	3.73	4.18	10.88	0.07	15.38	8.40	0.21	0.06	318	<5	66	17	40	<5	13	9.19	98.64	2.4	69
77784-0	743409	CHRT EXHL	156.91	157.28	74.68	<0.01	3.34	0.20	5.18	0.12	0.31	10.65	0.18	0.05	28	<5	14	6	16	<5	<10	4.80	99.52	2.7	25
77784-0	743410	CAL BSLT	164.10	164.34	37.73	0.86	5.37	1.31	10.39	1.94	17.34	11.85	0.23	0.06	418	38	35	12	46	<5	264	12.52	99.67	3.8	65
77784-0	743411	CAL BSLT	172.42	172.65	45.13	0.71	5.98	0.84	10.34	1.33	13.92	9.51	0.20	0.07	345	24	42	17	41	<5	130	11.69	99.77	2.4	67
77784-0	743412	CAL BSLT	185.23	185.46	43.86	0.74	4.14	4.37	11.06	0.09	14.69	9.28	0.25	0.07	347	<5	62	17	42	<5	<10	11.21	99.79	2.5	66
77784-0	743413	CAL BSLT	196.97	197.22	47.31	0.76	4.58	3.00	10.16	0.07	15.19	8.78	0.22	0.08	381	<5	79	18	43	<5	10	7.78	97.97	2.4	69
77784-0	743414	BSLT FLBX	210.75	211.03	51.84	0.78	3.44	1.81	11.25	<0.05	16.34	8.88	0.18	0.07	478	<5	192	17	44	<5	10	4.53	99.18	2.6	69
77784-0	743415	THOL BSLT	217.36	217.61	50.13	1.32	6.09	0.41	10.63	0.05	13.23	12.58	0.24	0.14	217	<5	173	28	84	<5	<10	3.54	98.39	3.0	60
77784-0	743416	FP INT DIKE	226.20	226.50	69.71	0.40	1.60	5.26	3.82	0.25	14.44	3.72	0.06	0.05	164	<5	117	17	134	7	46	1.66	101.02	7.9	81

**INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG**

BOREHOLE : 77785-0			PRINT DATE : 2-MAY-1996 15:08
PROJECT : CROSS LAKE			
PROPERTY NAME: CROSS LAKE			
Latitude : 1425.00S	Departure : 0.00	Elevation : 1000.00m	Hole length : 279.00m
NTS/Quad : 32 E/06	Logged by : BOB FRASER	Assay req. : Au Cu Zn Ag WR tr	Level :
Country : CANADA	Drilled by : FORAGE MERCIER	Test Method : ACID	Dip : -50
Prov./state : QUEBEC	Drill type : LONGYEAR 38	Started : 30 MARCH 96	BL azimuth : 055
Twp/County : CASA-BERARDI	Core size : BQ	Completed : 3 APRIL 96	BH bearing : 325
Claim # : 5049935	Section : 0+00	Grid name : ACHATES	Heading :

DEVIATION RECORDS

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	325.00	-50.00	55.00	-1.00	-54.00	82.00	-1.00	-53.00	115.00	-1.00	-53.00
145.00	-1.00	-53.00	175.00	-1.00	-52.00	205.00	-1.00	-52.00	235.00	-1.00	-51.00
265.00	-1.00	-51.00									

COMMENTS : LEFT IN HOLE: CASING PULLED
RE-LOG BY B. FRASER APRIL 1996

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	CU	ZN	AG	AU	%MIN	CANG
m	m		m	m	m		PPM	PPM	PPM	PPB		
0.00	52.40	OVERBURDEN Sand, pebbles, clay, and boulders.	0.00	52.40	52.40	NS					-	-

**INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG**

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	CU	ZN	AG	AU	%MIN	CANG
m	m		m	m	m		PPM	PPM	PPM	PPB		
52.40	55.05	BASALT										
		Fine grained gray green	52.40	52.64	0.24	NS					tr	bx
		highly fractured to brecciated basalt.	52.64	53.96	1.32	FX 769713	180.	120.	<0.100	<5.	tr	bx
		Highly injected to brecciated by white	53.96	55.05	1.09	FX 769714	221.	120.	0.200	<5.	tr	bx
		to light green quartz carbonate and										
		quartz carbonate epidote fractures.										
		Moderate pervasive carbonate calcite										
		alteration. Weak patchy light green										
		epidote alteration. Trace pyrite										
		within quartz carbonate material. RQD										
		= 70%										
		52.40 52.64 Whole rock sample FX743417.										
55.05	92.06	GABBRO										
		Medium gray green fine to	55.05	59.89	4.84	NS					tr	-
		medium grained massive gabbro. Trace	59.89	60.80	0.91	FX 769715	69.	143.	<0.100	<5.	tr	-
		white fine to medium grained subhedral	60.80	67.70	6.90	NS					tr	-
		feldspar phenocrysts. Tr-2% <=1	67.70	68.00	0.30	FX 769716	140.	144.	<0.100	<5.	tr	-
		centimetre round dark quartz carbonate	68.00	71.76	3.76	NS					tr	-
		sulfide (amygdules?) disseminated	71.76	72.43	0.67	FX 769717	113.	117.	<0.100	<5.	tr	-
		throughout. Locally broken core over	72.43	80.23	7.80	NS					tr	-
		1.5 metres at sharp upper contact.	80.23	81.76	1.53	FX 769718	99.	123.	<0.100	<5.	tr	-
		Massive with 5% white to gray irregular	81.76	82.73	0.97	FX 769719	173.	102.	0.200	<5.	tr-1	-
		quartz carbonate veinlets. Weak	82.73	83.35	0.62	FX 769720	718.	102.	0.200	<5.	1-2	-
		carbonate and dark green chlorite	83.35	84.67	1.32	FX 769721	107.	114.	<0.100	<5.	tr	-
		alteration associated with quartz	84.67	92.06	7.39	NS					tr	-
		carbonate veinlets. Trace pyrite and										
		pyrrhotite as fine to coarse grained										
		blebs within quartz carbonate veinlets										
		and locally as very fine grained specks										

INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	CU	ZN	AG	AU	%MIN	CANG
m	m		m	m	m		PPM	PPM	PPM	PPB		
		concentrated within amygdules. RQD = 70%										
59.02	59.24	Whole rock sample FX743418.										
81.76	83.35	Gabbro gradually becomes fine to very fine grained. Locally up to 1-2% pyrrhotite as coarse grained to 3-4 centimetre blebs associated with quartz carbonate veinlets. Trace chalcopyrite blebs associated with pyrrhotite.										
82.10	82.33	whole rock sample FX743419.										
92.06	110.12	BASALT										
		Light gray green fine to medium grained basalt to possibly gabbro. Sharp upper contact marked by the lack of feldspar porphyrys within this unit. Massive to very weakly foliated with 5% irregular quartz carbonate veinlets and hairline fractures white to light green to sometimes very diffuse. Moderate to strong pervasive calcite alteration. Weak dark green chlorite and light green epidote alteration at some quartz carbonate veinlet contacts. Tr-1% pyrite and pyrrhotite as fine to very fine grained specks and blebs disseminated and associated with quartz carbonate veinlets. RQD = 80%	92.06	94.00	1.94	NS						tr -
			94.00	94.45	0.45	FX 769722	153.	116.	<0.100	<5.		tr-1 -
			94.45	96.57	2.12	FX 769723	252.	102.	<0.100	<5.		tr-1 -
			96.57	100.28	3.71	NS						tr -
			100.28	101.78	1.50	FX 769724	212.	112.	<0.100	<5.		tr-1 -
			101.78	106.00	4.22	NS						tr -
			106.00	107.27	1.27	FX 769725	233.	148.	<0.100	<5.		tr -
			107.27	107.78	0.51	FX 769726	305.	121.	0.200	<5.	1	-
			107.78	109.00	1.22	FX 769727	212.	165.	0.200	<5.		tr -
			109.00	110.12	1.12	FX 769728	194.	179.	<0.100	<5.		tr -

**INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG**

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	CU PPM	ZN PPM	AG PPM	AU PPB	%MIN	CANG
97.60	97.87	Whole rock sample FX743420.										
103.78	104.09	Whole rock sample FX743421.										
110.12	111.94	BANDED IRON FORMATION										
		Banded to interbedded chert	110.12	110.70	0.58	FX 769729	255.	49.	<0.100	<5.	1	fidd
		and magnetic beds. Locally strongly magnetic over 1-5 centimetre black beds interbedded with <=1-10 centimetre chert beds. Unit contacts sharp and bedding at 40-50 degrees to core axis to locally folded. Moderately hairline fractured infilled with quartz carbonate. Moderate carbonate alteration along fractures. Some dark green chlorite at quartz carbonate veinlet contacts. 1-2% pyrrhotite as fine grained clusters, nodular and possibly brecciated beds. Rare chalcopyrite specks within some pyrrhotite clusters. RQD = 70%	110.70	111.94	1.24	FX 769730	448.	165.	<0.100	29.	1-2	b40-50
111.94	115.87	GABBRO										
		Fine to medium grained light gray green massive gabbro. Unit upper contact sharp and chilled, lower contact very sharp. Looks very similar to basalt units above and below. Massive with 1% irregular white quartz carbonate veinlets. Moderate pervasive carbonate alteration. Trace pyrite fine grained disseminated and	111.94	113.30	1.36	FX 769731	143.	219.	<0.100	<5.	tr	-
			113.30	115.87	2.57	NS					tr	-

**INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG**

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	CU	ZN	AG	AU	%MIN	CANG
m	m		m	m	m		PPM	PPM	PPM	PPB		
		associated with quartz carbonate veinlets. RQD = 70%										
113.82	114.04	Whole rock sample FX743422.										
115.87	119.05	BASALT										
		Fine grained light gray	115.87	116.61	0.74	NS					tr	-
		green basalt with sharp contacts.	116.61	118.00	1.39	FX 769732	95.	76.	<0.100	<5.	tr	-
		Massive with 1% white and dirty gray irregular quartz carbonate veinlets and hairline fractures, some with 1-2 millimetre gray carbonate halos at contacts. Spotty gray carbonate alteration. Trace pyrite fine grained associated with quartz carbonate material. RQD = 60%	118.00	119.05	1.05	NS					tr	-
		116.17 116.41 Whole rock sample FX743423.										
119.05	126.37	GABBRO										
		Fine grained light green	119.05	121.00	1.95	NS					tr	-
		gabbro very similar as to 115.87.	121.00	121.74	0.74	FX 769733	205.	124.	0.300	<5.	tr	-
		Generally trace pyrite associated with quartz carbonate veinlets as above.	121.74	123.17	1.43	NS					tr	-
		RQD = 60% locally broken core.	123.17	124.62	1.45	FX 769734	176.	426.	0.600	<5.	tr	-
		122.60 122.87 Whole rock sample FX743424.	124.62	125.50	0.88	FX 769735	209.	144.	0.200	10.	1	-
		124.62 126.37 1% pyrrhotite as coarse grained blebs within quartz carbonate hairline fractures.	125.50	126.37	0.87	FX 769736	112.	120.	<0.100	<5.	1	bc
126.37	127.30	EXHALITE										
		Aphanitic gray to dark gray chert exhalite with sharp contacts.	126.37	127.30	0.93	FX 769737	147.	155.	0.200	7.	5	ireg

**INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG**

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	CU	ZN	AG	AU	%MIN	CANG
m	m		m	m	m		PPM	PPM	PPM	PPB		
		Poorly bedded locally finely banded at irregular core angles. Highly hairline fractured infilled with quartz carbonate material. Locally dark green chlorite alteration along hairline fractures. 5% pyrrhotite as very fine grained specks along hairline fractures.										
127.30	151.54	BASALT										
		Fine grained green gray calcite altered basalt with possibly some fine grained indistinct gabbro dikes. Massive to very weakly foliated. 5-10% irregular white quartz carbonate veinlets and hairline fractures sometimes very diffuse contacts. Strong pervasive calcite alteration. Weak patchy green chlorite alteration. Generally trace pyrite and pyrrhotite as fine grained blebs disseminated and associated with quartz carbonate veinlets. Rare sphalerite and chalcopyrite associated with quartz carbonate veinlets at unit upper contact. RQD = 80%	127.30	127.96	0.66	FX 769738	474.	1943.	1.000	<5.	tr-1	-
			127.96	129.20	1.24	FX 769739	199.	132.	<0.100	<5.	tr	-
			129.20	129.82	0.62	FX 769740	235.	160.	<0.100	<5.	tr-1	-
			129.82	135.04	5.22	NS					tr	-
			135.04	136.00	0.96	FX 769741	365.	167.	<0.100	<5.	tr	-
			136.00	141.65	5.65	NS					tr	-
			141.65	142.42	0.77	FX 769742	151.	130.	<0.100	<5.	tr	-
			142.42	143.34	0.92	FX 769743	890.	137.	0.200	<5.	tr	qcv
			143.34	144.45	1.11	FX 769744	569.	222.	<0.100	7.	tr	bc
			144.45	148.75	4.30	NS					tr	-
			148.75	149.50	0.75	FX 769745	317.	133.	<0.100	<5.	tr-1	-
			149.50	150.23	0.73	FX 769746	137.	126.	<0.100	<5.	tr	-
			150.23	151.54	1.31	FX 769747	318.	125.	<0.100	<5.	tr-1	-
			130.50	130.80		Whole rock sample FX743425.						
			141.40	141.65		Whole rock sample FX743426.						
			142.42	144.45		Section with 15% irregular quartz carbonate veinlets and fractures. Strongly broken core over						

INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	CU	ZN	AG	AU	%MIN	CANG
m	m		m	m	m		PPM	PPM	PPM	PPB		
		the last 1.5 metres. Trace and chalcopyrite pyrite as fine grained specks generally within quartz carbonate veinlets.										
		147.61 148.75 Section with 5-10% <=2 millimetre quartz amygdules. Sub-unit upper contact sharp, lower contact gradational. Trace pyrite as main unit.										
		147.79 to 148.00 whole rock sample FX743427.										
151.54	209.38	BASALT										
		Fine grained green gray basalt as above locally strongly mineralized. Locally highly injected to brecciated by quartz carbonate pyrrhotite pyrite veinlets and fractures. Locally possibly pillowed with quartz carbonate sulfide material within inter-pillow spaces. Weakly foliated at variable core angles between 10-40 degrees to core axis. Strong to intense pervasive calcite alteration. Patchy dark green chlorite alteration associated with some quartz carbonate sulfide veinlets. Generally 1-5% sulfides to locally strongly mineralized over sharply bounded sections, see samples and sub-units. Locally good conductor. Sulfides	151.54	153.19	1.65	FX 769748	329.	105.	0.200	16.	1	-
			153.19	154.57	1.38	FX 769749	134.	106.	0.200	<5.	tr-1	-
			154.57	155.20	0.63	FX 769750	92.	118.	<0.100	15.	1	-
			155.20	156.57	1.37	FX 769751	200.	116.	0.400	22.	2-3	-
			156.57	157.94	1.37	FX 769752	102.	117.	<0.100	<5.	1	f40
			157.94	159.42	1.48	FX 769753	217.	95.	<0.100	<5.	1-2	f40
			159.42	160.50	1.08	FX 769754	567.	106.	0.200	28.	5	f40-50
			160.50	161.30	0.80	FX 769755	321.	108.	0.400	117.	30	-
			161.30	162.72	1.42	FX 769756	336.	68.	0.500	36.	40	f40
			162.72	163.13	0.41	FX 769757	407.	56.	0.400	62.	50	-
			163.13	164.62	1.49	FX 769758	180.	77.	0.300	61.	40	f10
			164.62	165.14	0.52	FX 769759	70.	216.	<0.100	<5.	1	-
			165.14	165.56	0.42	FX 769760	72.	133.	<0.100	<5.	tr-1	-
			165.56	166.23	0.67	FX 769761	91.	160.	<0.100	<5.	1	qcv
			166.23	167.00	0.77	FX 769762	56.	167.	<0.100	<5.	1-2	f30
			167.00	167.40	0.40	FX 769763	128.	172.	<0.100	9.	2-3	f30
			167.40	168.18	0.78	FX 769764	63.	128.	<0.100	<5.	2-3	f40
			168.18	168.97	0.79	FX 769765	51.	135.	<0.100	<5.	2-3	-

**INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG**

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	CU	ZN	AG	AU	%MIN	CANG
m	m		m	m	m		PPM	PPM	PPM	PPB		
		consist of pyrite and pyrrhotite as	168.97	170.00	1.03	FX 769766	143.	122.	0.400	8.	20	-
		very fine grained to very coarse	170.00	170.32	0.32	FX 769767	164.	115.	<0.100	<5.	1	-
		grained specks, blebs and nodules,	170.32	170.82	0.50	FX 769768	154.	118.	<0.100	<5.	10	-
		concentrated within quartz carbonate	170.82	172.22	1.40	FX 769769	271.	112.	<0.100	<5.	1-2	-
		veinlets and fractures. Locally rare	172.22	173.20	0.98	FX 769770	208.	142.	<0.100	<5.	1	-
		fine grained chalcopyrite within	173.20	174.38	1.18	FX 769771	173.	106.	<0.100	<5.	tr-1	f40
		sulfide blebs. RQD = 80%	174.38	175.46	1.08	FX 769772	68.	129.	<0.100	6.	5	-
	156.76 157.00	Whole rock sample FX743428.	175.46	176.20	0.74	FX 769773	39.	179.	<0.100	<5.	1	-
	160.50 164.62	30-50% pyrite and pyrrhotite	176.20	176.85	0.65	FX 769774	795.	137.	<0.100	<5.	5	qcvt
		as 1-3 centimetre nodules within	176.85	177.58	0.73	FX 769775	180.	225.	<0.100	<5.	2-3	-
		brecciated and quartz carbonate	177.58	178.97	1.39	FX 769776	306.	54.	<0.100	13.	25	bx d
		injected andesite. Also some fine	178.97	179.41	0.44	FX 769777	189.	130.	<0.100	<5.	1	-
		grained crystalline pyrite pyrrhotite	179.41	180.79	1.38	FX 769778	180.	117.	<0.100	<5.	tr-1	-
		encrusting nodular sulfides. Trace	180.79	181.75	0.96	FX 769779	167.	108.	<0.100	<5.	tr-1	f40
		gray to black 1-5 centimetre angular	181.75	183.18	1.43	FX 769780	200.	100.	<0.100	10.	10	-
		cherty exhalite fragments ? Locally	183.18	183.80	0.62	FX 769781	154.	107.	<0.100	6.	5	-
		foliated sub parallel to core axis.	183.80	184.67	0.87	FX 769782	161.	101.	<0.100	<5.	2-3	f30
	165.34 165.56	Whole rock sample FX743429.	184.67	185.55	0.88	FX 769783	187.	94.	<0.100	<5.	5	-
	170.89 171.10	Whole rock sample FX743430.	185.55	187.00	1.45	FX 769784	195.	112.	<0.100	<5.	2-3	-
	185.87 186.13	Whole rock sample FX743431.	187.00	188.30	1.30	FX 769785	195.	121.	<0.100	9.	5	-
	200.10 200.36	Whole rock sample FX743432.	188.30	189.62	1.32	FX 769786	224.	119.	<0.100	<5.	2-3	-
	203.34 205.00	Massive pyrite over 50-60	189.62	190.54	0.92	FX 769787	205.	78.	<0.100	6.	10	-
		centimetres.	190.54	191.37	0.83	FX 769788	218.	100.	<0.100	<5.	7-8	f40
			191.37	192.85	1.48	FX 769789	166.	106.	<0.100	6.	5	-
			192.85	194.27	1.42	FX 769790	166.	100.	<0.100	<5.	tr	-
			194.27	195.80	1.53	FX 769791	199.	102.	<0.100	<5.	1	f50
			195.80	196.62	0.82	FX 769792	204.	106.	<0.100	<5.	tr-1	-
			196.62	198.08	1.46	FX 769793	218.	66.	<0.100	11.	10	-
			198.08	198.91	0.83	FX 769794	192.	100.	<0.100	7.	7-8	-
			198.91	199.64	0.73	FX 769795	239.	118.	<0.100	<5.	5	-
			199.64	201.11	1.47	FX 769796	210.	123.	<0.100	<5.	tr-1	-

**INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG**

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	CU	ZN	AG	AU	%MIN	CANG
m	m		m	m	m		PPM	PPM	PPM	PPB		
			201.11	201.58	0.47	FX 769797	398.	140.	<0.100	11.	1	-
			201.58	202.74	1.16	FX 769798	216.	162.	<0.100	<5.	tr-1	-
			202.74	203.54	0.80	FX 769799	88.	157.	<0.100	<5.	1	-
			203.54	205.00	1.46	FX 769800	148.	83.	0.300	26.	50	bxd
			205.00	206.50	1.50	FX 769801	141.	153.	0.300	10.	5	-
			206.50	207.04	0.54	FX 769802	104.	186.	<0.100	<5.	tr-1	-
			207.04	208.56	1.52	FX 769803	143.	167.	0.300	15.	7-8	-
			208.56	209.38	0.82	FX 769804	87.	131.	<0.100	<5.	1-2	-
209.38	214.24	EXHALITE										
		Poorly bedded light gray	209.38	209.69	0.31	FX 769805	576.	174.	<0.100	<5.	10	b40
		chert and black chert. Locally very	209.69	210.16	0.47	FX 769806	398.	141.	0.300	18.	20	b55
		thinly bedded to generally interbedded	210.16	211.56	1.40	FX 769807	265.	67.	<0.100	6.	7-8	b60
		1-2 centimetre gray and black chert,	211.56	212.47	0.91	FX 769808	181.	49.	<0.100	<5.	5	bxd
		highly brecciated, irregular and	212.47	213.43	0.96	FX 769809	355.	51.	<0.100	35.	7-8	qcvt
		possibly folded. Some thin	213.43	214.24	0.81	FX 769810	118.	756.	<0.100	74.	5	b35
		semi-massive to massive fine grained										
		pyrrhotite beds. Unit upper contact										
		sharp, lower contact intercalated with										
		basalt over 1 metre. Strongly										
		brecciated with 20-30% quartz carbonate										
		pyrrhotite hairline fractures and										
		veinlets. Bedding brecciated and										
		variable between 35-60 degrees to core										
		axis. Moderately to strongly carbonate										
		calcite altered along fractures.										
		Moderate dark green chlorite alteration										
		along some fractures and rare chlorite										
		rich beds. 5-20% pyrrhotite as fine										
		grained clusters associated with quartz										
		carbonate fractures and veinlets and as										

INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	CU	ZN	AG	AU	%MIN	CANG
m	m		m	m	m		PPM	PPM	PPM	PPB		
		massive pyrrhotite beds up to 1-2 centimetres. Rare chalcopyrite as fine grained blebs within pyrrhotite cluster at upper contact. RQD = 60%										
214.24	279.00	BASALT										
		Fine to medium grained light green gray basalt to possibly gabbro.	214.24	215.35	1.11	FX 769811	83.	97.	<0.100	<5.	1-2	f40
		Massive to weakly foliated at 40-50 degrees to core axis. 5% irregular white quartz carbonate veinlets and hairline fractures, sometimes with dark carbonate chlorite halos at contacts.	215.35	216.12	0.77	FX 769812	388.	100.	<0.100	8.	tr-1	f40-50
		Moderate to strong pervasive carbonate calcite alteration. Local weak epidote and chlorite alteration associated with quartz carbonate veinlets. Trace pyrite as fine grained specks and blebs associated with quartz carbonate veinlets and disseminated. RQD = 80%	216.12	217.00	0.88	FX 769813	165.	86.	<0.100	<5.	tr	f40-50
		221.65 221.89 Whole rock sample FX743433.	217.00	224.34	7.34	NS					tr	f40-50
		229.37 229.78 Sharply bounded very fine grained intermediate dike. Light gray green H=>6. Rare pyrite.	224.34	225.75	1.41	FX 769814	150.	76.	<0.100	<5.	tr	f40-50
		244.97 245.21 Whole rock sample FX743434.	225.75	226.86	1.11	FX 769815	188.	76.	<0.100	<5.	tr	f40-50
		259.27 264.18 Fine to medium grained light gray green gabbro. Sharp irregular contacts. Weakly foliated at 40-50 degrees to core axis, locally broken core sub parallel to core axis. 5% irregular white quartz carbonate	226.86	235.57	8.71	NS					tr	f40-50
			235.57	237.09	1.52	FX 769816	145.	67.	<0.100	<5.	tr	f40-50
			237.09	238.00	0.91	FX 769817	95.	72.	<0.100	<5.	tr	f40-50
			238.00	249.64	11.64	NS					tr	f40-50
			249.64	250.21	0.57	FX 769818	241.	91.	<0.100	<5.	tr	qcvt
			250.21	253.59	3.38	NS					tr	f40-50
			253.59	254.90	1.31	FX 769819	139.	78.	<0.100	<5.	tr	f40-50
			254.90	257.43	2.53	NS					tr	f40-50
			257.43	258.20	0.77	FX 769820	156.	83.	<0.100	<5.	tr	f40-50
			258.20	259.27	1.07	NS					tr	f40-50
			259.27	260.40	1.13	FX 769821	242.	87.	<0.100	<5.	tr	f40-50
			260.40	261.10	0.70	FX 769822	146.	84.	<0.100	16.	tr	f40-50
			261.10	262.00	0.90	NS					tr	f40-50
			262.00	263.17	1.17	FX 769823	144.	86.	<0.100	11.	tr	f40-50
			263.17	268.00	4.83	NS					tr	f40-50
			268.00	269.57	1.57	FX 769824	128.	83.	<0.100	<5.	tr	f40-50
			269.57	273.59	4.02	NS					tr	f40-50
			273.59	274.97	1.38	FX 769825	156.	87.	<0.100	<5.	tr	f40-50
			274.97	277.00	2.03	NS					tr	f40-50

INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	CU	ZN	AG	AU	%MIN	CANG
m	m		m	m	m		PPM	PPM	PPM	PPB		
		veinlets and hairline fractures. Moderate pervasive carbonate alteration. Trace pyrite as fine to medium grained blebs concentrated within quartz carbonate veinlets. 261.48 to 261.69 whole rock sample FX743435. 264.18 279.00 Basalt as main unit with slight increase in chlorite alteration. Colour now medium gray green with 10% 1-2 millimetre green chlorite spots. Trace pyrite as main unit. 269.57 to 269.72 whole rock sample FX743436. Foot of hole at 279.00 metres.	277.00	279.00	2.00	FX 769826	121.	100.	<0.100	<5.	tr	f40-50

CROSS LAKE PROJECT, MARCH 1996 DIAMOND DRILLING GEOCHEMISTRY.

BOREHOLE	SAMPLE #	LITHOLOGY	From (m)	To (m)	SiO2 %	TiO2 %	MgO %	Na2O %	CaO %	K2O %	Al2O3 %	Fe2O3 %	MnO %	P2O5 %	Cr ppm	Rb ppm	Sr ppm	Y ppm	Zr ppm	Nb ppm	Ba ppm,	LOI %	Sum %	Zr/Y TOTAL	HASHI TOTAL
77785-0	743417	BXD BSLT	52.40	52.64	48.63	0.79	5.63	1.97	10.06	0.04	14.59	9.97	0.19	0.05	310	<5	91	21	48	<5	-	7.32	99.27	2.3	32
77785-0	743418	GB	59.02	59.24	46.86	1.18	7.20	0.30	10.39	0.03	14.93	13.11	0.21	0.15	171	<5	105	20	78	<5	-	5.12	99.50	3.9	40
77785-0	743419	VFG GB	82.10	82.33	50.37	0.90	6.32	2.74	8.42	0.06	14.52	11.07	0.19	0.07	179	<5	98	17	56	<5	-	4.46	99.14	3.3	36
77785-0	743420	CAL BSLT	97.60	97.87	53.05	0.93	4.43	2.48	9.72	0.06	14.57	7.57	0.15	0.07	170	<5	96	15	57	<5	-	5.84	98.89	3.8	27
77785-0	743421	CAL BSLT	103.78	104.09	52.18	1.02	5.40	2.58	8.76	0.04	15.88	9.21	0.17	0.08	193	<5	96	19	59	<5	-	4.41	99.75	3.1	32
77785-0	743422	CRBD GB	113.82	114.04	47.46	0.78	7.01	0.08	12.38	0.02	13.85	12.70	0.21	0.06	161	5	146	17	46	<5	-	5.55	100.12	2.7	36
77785-0	743423	CRBD BSLT	116.17	116.41	48.63	0.61	7.99	0.81	12.53	0.04	14.34	11.45	0.19	0.05	328	<5	106	17	40	<5	-	3.00	99.67	2.4	38
77785-0	743424	CRBD GB	122.60	122.87	47.21	0.85	4.64	1.87	12.37	0.05	13.88	9.95	0.24	0.07	150	<5	71	19	51	<5	-	8.62	99.76	2.7	25
77785-0	743425	CAL BSLT	130.50	130.80	47.15	0.85	4.93	2.55	9.16	0.84	14.17	9.79	0.20	0.07	134	17	36	20	56	5	-	9.09	98.81	2.8	33
77785-0	743426	CAL CHLR BSLT	141.40	141.65	45.62	1.06	5.84	0.09	10.30	0.07	12.08	14.60	0.20	0.09	130	<5	64	26	73	5	-	8.81	98.77	2.8	36
77785-0	743427	AMYG BSLT	147.79	148.00	51.51	0.86	3.79	2.11	10.52	0.06	15.23	9.19	0.16	0.06	169	<5	145	13	53	5	-	6.14	99.65	4.1	23
77785-0	743428	MINZ CAL BSLT	156.76	157.00	51.13	0.92	4.98	4.39	4.74	0.15	16.10	10.69	0.16	0.07	172	<5	64	15	55	<5	-	5.81	99.16	3.7	36
77785-0	743429	MINZ CAL BSLT	165.34	165.56	44.22	0.88	4.17	4.03	11.46	0.04	13.48	9.90	0.28	0.07	136	<5	62	21	51	<5	-	10.38	98.92	2.4	21
77785-0	743430	INZ CAL BSLT PILI	170.89	171.10	50.62	0.94	3.76	3.73	9.18	0.11	14.64	8.39	0.18	0.07	151	<5	66	19	53	<5	-	7.29	98.93	2.8	23
77785-0	743431	INZ CAL BSLT PILI	185.87	186.13	53.75	0.96	4.78	2.00	8.79	0.04	14.74	8.18	0.15	0.07	193	<5	72	17	56	<5	-	6.25	99.73	3.3	31
77785-0	743432	INZ CAL BSLT PILI	200.10	200.36	53.31	0.93	3.71	2.48	10.81	0.03	14.71	8.01	0.13	0.07	160	<5	79	17	54	<5	-	5.26	99.47	3.2	22
77785-0	743433	CAL BSLT	221.65	221.89	48.03	0.76	7.30	1.02	12.01	0.04	14.80	11.18	0.20	0.05	357	<5	89	16	41	<5	-	4.21	99.64	2.6	36
77785-0	743434	CAL BSLT	244.97	254.21	47.68	0.80	6.13	0.89	12.62	0.04	14.87	10.98	0.23	0.06	346	<5	75	18	43	<5	-	5.37	99.70	2.4	31
77785-0	743435	CAL GB	261.48	261.69	48.24	0.75	6.20	0.41	11.64	0.04	15.19	9.60	0.21	0.05	347	<5	92	16	43	<5	-	7.03	99.39	2.7	34
77785-0	743436	" CHLR BSLT	269.57	269.72	42.53	0.76	6.44	0.88	9.79	0.18	12.43	11.65	0.19	0.06	172	<5	64	18	49	<5	-	13.81	98.74	2.7	38

CROSS LAKE PROJECT, MARCH 1996 DIAMOND DRILLING GEOCHEMISTRY.

BOREHOLE	SAMPLE #	LITHOLOGY	From (m)	To (m)	SiO2 %	TiO2 %	MgO %	Na2O %	CaO %	K2O %	Al2O3 %	Fe2O3 %	MnO %	P2O5 %	Cr ppm	Rb ppm	Sr ppm	Y ppm	Zr ppm	Nb ppm	Ba ppm	LOI %	Sum %	Zr/Y TOTAL	HASHI TOTAL
77785-0	743417	BXD BSLT	52.40	52.64	48.63	0.79	5.63	1.97	10.06	0.04	14.59	9.97	0.19	0.05	310	<5	91	21	48	<5	-	7.32	99.27	2.3	32
77785-0	743418	GB	59.02	59.24	48.86	1.18	7.20	0.30	10.39	0.03	14.93	13.11	0.21	0.15	171	<5	105	20	78	<5	-	5.12	99.50	3.9	40
77785-0	743419	VFG GB	82.10	82.33	50.37	0.90	6.32	2.74	8.42	0.06	14.52	11.07	0.19	0.07	179	<5	98	17	56	<5	-	4.46	99.14	3.3	36
77785-0	743420	CAL BSLT	97.80	97.87	53.05	0.93	4.43	2.48	9.72	0.06	14.57	7.57	0.15	0.07	170	<5	96	15	57	<5	-	5.84	98.89	3.8	27
77785-0	743421	CAL BSLT	103.78	104.09	52.18	1.02	5.40	2.58	8.76	0.04	15.88	9.21	0.17	0.08	193	<5	96	19	59	<5	-	4.41	99.75	3.1	32
77785-0	743422	CRBD GB	113.82	114.04	47.46	0.78	7.01	0.08	12.38	0.02	13.85	12.70	0.21	0.06	161	5	146	17	46	<5	-	5.55	100.12	2.7	36
77785-0	743423	CRBD BSLT	116.17	116.41	48.63	0.61	7.99	0.81	12.53	0.04	14.34	11.45	0.19	0.05	328	<5	106	17	40	<5	-	3.00	99.67	2.4	38
77785-0	743424	CRBD GB	122.60	122.87	47.21	0.85	4.64	1.87	12.37	0.05	13.88	9.95	0.24	0.07	150	<5	71	19	51	<5	-	8.62	99.76	2.7	25
77785-0	743425	CAL BSLT	130.50	130.80	47.15	0.85	4.93	2.55	9.16	0.84	14.17	9.79	0.20	0.07	134	17	36	20	56	5	-	9.09	98.81	2.8	33
77785-0	743426	CAL CHLR BSLT	141.40	141.65	45.62	1.06	5.84	0.09	10.30	0.07	12.08	14.60	0.20	0.09	130	<5	64	26	73	5	-	8.81	98.77	2.8	36
77785-0	743427	AMYG BSLT	147.79	148.00	51.51	0.86	3.79	2.11	10.52	0.06	15.23	9.19	0.16	0.06	169	<5	145	13	53	5	-	6.14	99.65	4.1	23
77785-0	743428	MINZ CAL BSLT	156.76	157.00	51.13	0.92	4.98	4.39	4.74	0.15	16.10	10.69	0.16	0.07	172	<5	64	15	55	<5	-	5.81	99.16	3.7	36
77785-0	743429	MINZ CAL BSLT	165.34	165.56	44.22	0.88	4.17	4.03	11.46	0.04	13.48	9.90	0.28	0.07	138	<5	62	21	51	<5	-	10.38	98.92	2.4	21
77785-0	743430	INZ CAL BSLT PILI	170.89	171.10	50.62	0.94	3.76	3.73	9.18	0.11	14.64	8.39	0.18	0.07	151	<5	66	19	53	<5	-	7.29	98.93	2.8	23
77785-0	743431	INZ CAL BSLT PILI	185.87	186.13	53.75	0.96	4.78	2.00	8.79	0.04	14.74	8.18	0.15	0.07	193	<5	72	17	56	<5	-	6.25	99.73	3.3	31
77785-0	743432	INZ CAL BSLT PILI	200.10	200.36	53.31	0.93	3.71	2.48	10.81	0.03	14.71	8.01	0.13	0.07	160	<5	79	17	54	<5	-	5.26	99.47	3.2	22
77785-0	743433	CAL BSLT	221.65	221.89	48.03	0.76	7.30	1.02	12.01	0.04	14.80	11.18	0.20	0.05	357	<5	89	16	41	<5	-	4.21	98.64	2.6	36
77785-0	743434	CAL BSLT	244.97	254.21	47.68	0.80	6.13	0.89	12.62	0.04	14.87	10.98	0.23	0.06	346	<5	75	18	43	<5	-	5.37	99.70	2.4	31
77785-0	743435	CAL GB	261.48	261.69	48.24	0.75	6.20	0.41	11.64	0.04	15.19	9.80	0.21	0.05	347	<5	92	16	43	<5	-	7.03	99.39	2.7	34
77785-0	743436	CHLR BSLT	269.57	269.72	42.53	0.76	6.44	0.86	9.79	0.18	12.43	11.65	0.19	0.06	172	<5	64	18	49	<5	-	13.81	98.74	2.7	38

APPENDIX IV
PERSONNEL LIST

<u>Name</u>	<u>Title/Duties</u>	<u>Address</u>
Robert Goudreau	Geological Assistant technician, drafting	Val d'Or Quebec
Pierre Guay	Project Geologist supervision	Val d'Or Quebec
Robert Fraser	Geologist core logging, geological interpretation	Val d'Or Quebec
Caroline LaRoche	Geologist drafting	Val d'Or Québec
Fernand Riverin	Geological Assistant drill technician core splitting and sampling	Arvida Quebec

APPENDIX V
ABBREVIATION DICTIONARY

FWALL (foot-) wall
 HWALL (hanging-) wall
 ? ?
 A a
 ABND abandoned
 ABS absent
 ABUN abundant
 ASSR accessory
 ACLR acicular
 ACT actinolite
 ACTC actinolitic
 ADJ adjacent
 *AGLM agglomerate
 AGLC agglomeratic
 *AGMT agmatite
 *ALSK alaskite
 *ALBT albitite
 *ALUV alluvium
 ALNG along
 ALTN alteration
 ALTD altered
 AMPH amphibole
 *AMPH amphibolite
 AMPC amphibolitic
 AMYL amygdaloidal
 AMYG amygdule
 *ANXT anatexite
 AND and
 & and
 *ANDS andesite
 ANGL angle
 ANGR angular
 ANHL anhedral
 ANK ankerite
 *AN anorthosite
 *ANGB anorthositic gabbro
 APH aphanitic
 *APL aplite
 ARE are
 *ARNT arenite
 ARGS argillaceous
 *ARG argillite
 *ARK arkose
 ARKC arkosic
 ASPY arsenopyrite
 AS as
 AA as above
 *ASTF ash tuff
 ASOC associated
 @ at
 AT at
 ATID attitude

*rock structure
altering*

AUG	augen
BND	band
BNDD	banded
*BIF	banded iron formation
BARN	barren
*BSLT	basalt
BSIC	basic
BCMG	becoming
BED	bed
BEDD	bedded
BEDG	bedding
*BDRK	bedrock
BGE	beige
BIOT	biotite
*BSCH	biotite schist
BIT	bit
BLK	black
BLCD	bleached
BLCG	bleaching
BLEB	bleb
BLBY	blebby
BLKY	blocky
BLU	blue
BOMB	bomb
BORNT	bornite
BOUD	boudinaged
*BLDR	boulder
BNDY	boundary
BRK	break
*BX	breccia
BXD	brecciated
BXN	brecciation
*BC	broken core
BRN	brown
BUFF	buff
BUT	but
BY	by
*CSHF	calc silicate hornfels
*CSSK	calc silicate skarn
CALC	calcareous
*CASL	calcareous siltstone
CAL	calcite
CRBS	carbonaceous
*CARB	carbonate
*CBNT	carbonatite
CRBN	carbonatization
CRBD	carbonatized
*CAS	casing
*CTCL	cataclasite
CELLR	cellular
CMTD	cemented
CM	centimetre

CHLCT chalcocite
CP chalcopyrite
*CHRT chert
*CHPY chert-pyrite
CHTY cherty
CHLD chilled
CHIP chip
CHLR chlorite
*CSCH chlorite schist
*CBSCH chlorite-biotite schist
CHLC chloritic
CLTD chloritoid
CHRM chromite
*CRMT chromitite
CLAS clast
*CRAG clast rich agglomerate
*CLAY clay
*CLST claystone
CLN clean
CLVG cleavage
CPX clinopyroxene
*CPXT clinopyroxenite
CLOS closure
CLOT clot
*COAL coal
C coarse
CG coarse grained
CRSR coarser
COATG coating
COBL cobble
CBLY cobbly
COL colour
COMN common
CMPL completely
CMPX complex
CMPD composed of
COMPT composite
COMP composition
COND concentrated
CONC concentration
CCOR concordant
CDCR conductor
CONF conformable
*CGL conglomerate
CGLC conglomeratic
CT contact
CNTN contain
CNTD contorted
*CORE core
CA core angle
CAX core axis
CRCKL crackle

CRND crenulated
CREN crenulation
XCUT cross cut
XCTG cross cutting
XTL crystal
*XLTF crystal tuff
XLN crystalline
CUBE cube
*CUM cumulate
CB cut by
*DAC dacite
*DLBX dalmation breccia
DK dark
*DBFL debris flow
DCRS decrease
DCRG decreasing
DFMD deformed
DEG degree
DNDRT dendrite
DVLP develop
DVLG developing
*DIA diabase
DIAC diabasic
DIAM diameter
*DMCT diamictite
DDCH diamond drill/core hole
DIFF diffuse
*DIKE dike
*DIOR diorite
DISS disseminated
DSNC distinct
DSNY distinctly
*DLMT dolomite
DH down hole
DFLD drag fold
DB drilled by
*DNT dunite
EZDG easy drilling
*ECGL eclogite
ELGT elongate
EPID epidote
EPDZ epidotized
EQUI equigranular
ESKR esker
EST estimate
ESTD estimated
EUHL euhedral
*EVAP evaporite
*EXHL exhalite
EXHV exhalitive
EXSV extensive
EXMY extremely

FBRC	fabric
FAC	facies
FNT	faint
*FLT	fault
FLTD	faulted
FLTG	faulting
FEET	feet
FELD	feldspar
*FP	feldspar porphyry
FSPC	feldspathic
FLSC	felsic
*FLAGLM	felsic agglomerate
*FELPTF	felsic lapilli tuff
*FLSCTF	felsic tuff
*FELS	felsite
*FEN	fenite
*FEGB	ferrogabbro
FERR	ferruginous
*FESD	ferruginous sediment
FEW	few
FBRF	fibrous
FILL	filling
F	fine
FG	fine grained
FNLY	finely
FNG	fining
FISS	fissile
FLEX	flexure
*FLNT	flint
*FLOW	flow
*FLBX	flow breccia
*FTBX	flowtop breccia
FLVL	fluvial
FOLD	fold
FLDD	folded
FLDG	folding
FOTD	foliated
FOLN	foliation
FT	foot
FOH	foot of hole
FOR	for
FRTN	fraction
FRAC	fracture
FRTD	fractured
FRGM	fragment
FRGL	fragmental
FRAM	framboidal
FREQ	frequent
FROM	from
FUCH	fuchsite
FUCC	fuchsitic
FUZY	fuzzy

*GB gabbro
GBIC gabbroic
*GBAN gabbroic anorthosite
*GBNR gabbronorite
GAL galena
GAR garnet
GARFS garnetiferous
GEN generally
GLAS glass
GLSY glassy
*GLMP glomeroporphyry
*G gneiss
GNSC gneissic
AU gold
*GOSS gossan
*GOUG gouge
GRAD gradational
GRBD graded bed
GRDG grading
GRS grain
*GR granite
*GRGN granite gneiss
GRNC granitic
*GRTD granitoid
*GRDR granodiorite
*GRP granophyre
GRLR granular
*GRATD granular altered
*GRNL granulite
*GRPT graphite
GRPC graphitic
*GRSC graphitic schist
*GRAV gravel
GRVY gravelly
GRAY gray
*GWKE graywacke
GRN green
*GS greenstone
*GRSN greisen
GRIT grit
GRTY gritty
GRMS groundmass
*GRNSCH grunerite schist
*GRNBSCH grunerite-biotite schist
HL hairline
HALO halo
HARD hard
*HPC hard pan clay
HTD hard to drill
*HARZ harzburgite
HEM hematite
HEMC hematitic

HEMN	hematitization
HEMD	hematized
HLY	highly
HRZN	horizon
HBLD	hornblende
*HBLT	hornblendite
*HRFL	hornfels
*HUM	humus
*HYCT	hyaloclastite
*ICE	ice
*IGNM	ignmimbrite
IN	in
INS	inch
INCL	inclusion
INCR	increase
INCRD	increased
ICRG	increasing
IDSC	indistinct
INTS	intense
INTY	intensely
INBD	interbed
IBDD	interbedded
ICLD	intercalated
INFL	interflow
INT	intermediate
INST	interstitial
*INTR	intrusive
FE	iron
*FECB	iron carbonate
*IF	iron formation
*IRST	ironstone
IREG	irregular
IS	is
ISCL	isoclinal
*JSPR	jasper
*JSPD	jasperoid
JNT	joint
JNTD	jointed
JNTG	jointing
*KIM	kimberlite
KB	kinkband
KKD	kinked
KKG	kinking
*KOM	komatiite
LCSTRN	lacustrine
*LHAR	lahar
LMLR	lamellar
LMND	laminated
LAMN	lamination
*LAMP	lamprophyre
*LPTF	lapilli tuff
LG	large

LATRL lateral
*LAT latite
LENS lens
L less
< less than
LCR leucocratic
*LCGB leucogabbro
*LCGN leucogabbronorite
*LCTR leucotroctolite
LCXN leucoxene
*LHER lherzolite
LT light
*LTATD light altered
LGTR lighter
*LS limestone
*LIM limonite
LIND lineated
LIN lineation
LITH lithic
LOC local
LOCY locally
LDGT lodgement
LB logged by
LOR loss of return
*LC lost core
LCT lower contact
MAF mafic
*MAFGLM mafic agglomerate
*MGAB mafic gabbro
*MALPTF mafic lapilli tuff
*MAFTF mafic tuff
MTC magnetic
*MT magnetite
*MTT magnetitite
MANY many
*MRBL marble
*MARL marl
MASS massive
*MASU massive sulfide
MTRL material
MTX matrix
MAY may
MED medium
M medium
MG medium grained
MXTL megacryst
*MLGB melagabbro
*MLGN melagabbronorite
MELA melanocratic
*MLNR melanorite
*MLTR melatroctolite
*META meta-

*MTGB metagabbro
MTMC metamorphic
*MTSD metasediment
*MTVL metavolcanic
ME metre
*MGMT migmatite
MGMC migmatitic
MM millimetre
MIN mineral
MINZ mineralization
MNZD mineralized
MI minor
MOD moderate
MODY moderately
MBDD moderately bedded
MMCT monomictic
*MONZ monzonite
MORE more
> more than
MOST most
MTLD mottled
*MRD mottled rhyolite dike
*MUD mud
MUDY muddy
*MDST mudstone
*MVSCH muscovite schist
*MUSK muskeg
*MYL mylonite
MYLC mylonitic
MYLD mylonitized
*NESY nepheline syenite
NO no
NRTN no return
*NRTN no return
NOD nodular
*NR norite
NOT not
NUM numerous
OCC occasional
OF of
OL olivine
*OD olivine diabase
*OLGB olivine gabbro
OSF open-space fill
OPH ophitic
OR or
ORNG orange
ORTN orientation
*ORGN orthogneiss
OPX orthopyroxene
*OPXT orthopyroxenite
*OQTE orthoquartzite

*OB overburden
OX oxide
*OIF oxide iron formation
OXN oxidization
OXD oxidized
PALE pale
*PRGN paragneiss
PRL parallel
PTLY partly
PSTY pasty
PTCH patch
*PEAT peat
PEBL pebble
PBLY pebbly
*PEG pegmatite
PEGC pegmatitic
*PLTE pelite
PN pentlandite
% percent
*PRDT peridotite
*PERM permafrost
PERP perpendicular
PERST persistent
PERV pervasive
PHEN phenocryst
*PHNLT phonolite
*PHYL phyllite
*PCRT picrite
PILL pillow
*PLBX pillow breccia
PILD pillowed
PK pink
PLAG plagioclase
PLUN plunge
*PTRK point rock
PMCC polymictic
POOR poor
PRTN poor return
PRLY poorly
PBDD poorly bedded
PORUS porous
PRPC porphyritic
PORB porphyroblast
PRBC porphyroblastic
*PRPH porphyry
POSS possible
POSY possibly
POTSSA potassic (alteration)
PRED predominantly
PROB probably
PROG progressively
*PRTL protolith

PTYG ptygmatic
PRPL purple
*PY pyrite
PYC pyritic
*PYRO pyroclastic
*PYRPHY pyrophyllite
PTLC pyrophyllitic
PX pyroxene
*PXT pyroxenite
*PO pyrrhotite
*QTZ quartz
*QCMS quartz carbonate mica schist
*QCV quartz carbonate vein
*QCVT quartz carbonate veinlet
*QDIA quartz diabase
*QD quartz diorite
*QFP quartz feldspar porphyry
 QFLD quartz flooded
 QFLG quartz flooding
*QGB quartz gabbro
*QM quartz monzonite
*QP quartz porphyry
*QTZSYT quartz syenite
*QV quartz vein
*QBSH quartz-biotite schist
*QSSH quartz-sericite schist
*QTZT quartzite
 QTZS quartzose
 RGD ragged
 RARE rare
 RARY rarely
 REXD recrystallized
 RED red
*REG regolith
 RLCT relict
 RPLMT replacement
 RCDH reverse circulation drill hole
 RWKD reworked
*RWAG reworked agglomerate
*RDCT rhyodacite
*RHY rhyolite
 RICH rich
*RK rock
 ROD rod
 RND round
 RNDD rounded
 RSTY rusty
 DFS s style drag fold
 SAMPLE sample
*SAND sand
*SS sandstone
 SNDY sandy

*SPRLT saprolite
SAUS saussuritized
SCAT scattered
*SCH schist
SCHS schistose
SCHY schistosity
*SEAM seam
SECT section
*SED sediment
SEDY sedimentary
SER sericite
SERT sericitic
SERN sericitization
SERD sericitized
*SERP serpentine
*SRPT serpentinite
SRPD serpentitized
*SPPD serpentitized peridotite
SVRL several
*SHL shale
SHRP sharp
*SHR shear
SHRD sheared
SHTVN sheeted veins
SIG significant
SI silica
*SIIF silicate iron formation
SLCS siliceous
SILN silicification
SLFD silicified
SLKY silky
*SILT silt
*SLST siltstone
SLTY silty
SIZE size
*SKRN skarn
*SLT slate
SLIC slickensided
SLLY slightly
SLPS slips
SLMP slumped
SML small
SMKY smokey
SMTH smooth
*SNOW snow
SOFT soft
SOIL soil
SOME some
SRTD sorted
SPK speck
*SPEC specularite
SPH sphalerite

*SPFX spinifex textured flow
SPOT spot
STND stained
STNG staining
*STWK stockwork
STNE stone
STRK streak
STRD stretched
STR stringer
STRG strong
STRY strongly
*STRC structure
SANG sub angular
SPRL sub parallel
SRND sub rounded
SBRL subhedral
*SULF sulfide
*SIF sulfide iron formation
SULC sulphidic
*SYNT syenite
*SYDI syenodiorite
*SYGB syenogabbro
*TCCS talc carbonate chlorite schist
*TCBS talc carbonate schist
*TCHS talc chlorite schist
TLCS talcose
TAN tan
TCTD tectonized
TXTR texture
THE the
THCK thick
THKY thickly
TBDD thickly bedded
THIN thin
THNY thinly
THBD thinly bedded
*THOL tholeiite
THRT throughout
*TILL till
*TLLT tillite
TO to
*TNLT tonalite
TOPS tops
TOUR tourmaline
*TRMT tourmalinite
TMLN tourmalinization
TR trace
*TRCT trachyte
*TRTF trachytic tuff
TRAN transitional
TSPD transposed
TRMC tremolitic

*TROC troctolite
*TUFF tuff
*TFBX tuff breccia
TFCS tuffaceous
*TFFT tuffite
TYP typical
*UB ultrabasic
*UM ultramafic
*UMFL ultramafic flow
UBDD uniformly bedded
UNIT unit
UP up
UH uphole
UCT upper contact
VAR variable
VARY variably
VRLT variolite
VRLC variolitic
*VN vein
*VNG veining
VNLT veinlet
VRTCL vertical
V very
VCG very coarse grained
VFG very fine grained
VIS visible
VG visible gold
*VOLC volcanic
VGGY vuggy
*WCKE wacke
*WR wallrock
*H2O water
WK weak
WKLY weakly
WTHRD weathered
*WEBS websterite
*WEHR wehrlite
WELL well
WBDD well bedded
WRND well-rounded
WH white
WIDE wide
W with
WTHN within
YE yellow
DFZ z style drag fold
ZONE zone