

W9460.00086



42H12NE0003 W9460-00086 AGATE

010

1993 ASSESSMENT REPORT
DIAMOND DRILLING PROGRAM
AGATE PROJECT
AGATE AND TUCKER TOWNSHIPS, ONTARIO
NTS: 42-H-12

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Copper Cliff, Ontario
May 1993



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SUMMARY

In 1991, a review of exploration carried out by Canadian Nickel Company Limited (Inco Exploration) in the mid 1960s prompted the acquisition of 14 claim blocks (224 units/3,584 ha) in Agate and Tucker Townships, located about 50 kilometres northeast of Kapuskasing, Ontario. Zinc mineralization in the 1-3% Zn range, hosted by banded to massive sulphides, had been intersected in several diamond drill holes. The best drill intersection obtained during the 1960s exploration program was 2.28% zinc over 13.66 metres. The mineralization is associated with three clusters of airborne electromagnetic (AEM) anomalies. A total of 153 kilometres (83.71 in 1991 and 69.35 in 1992) of grid was cut on 3 separate areas within the claim block.

In 1992, a total of 127 kilometres of magnetometer and 122 kilometres of horizontal loop electromagnetic (HLEM) surveys was completed. The surveys were successful in delineating lithological as well as structural features on the property. The results of the survey correspond well with reconnaissance survey results obtained in the 1960s. Four major conductive zones were located. Most of the conductors are coincident with, or adjacent to, magnetic anomalies.

An orientation and reconnaissance reverse circulation drilling (RCD) program consisting of 43 holes (42 completed and 1 abandoned) was completed to test the feasibility of the RCD system in this area and to evaluate zones of electromagnetic conductivity on the property. Logging and sampling of the RCD holes was carried out by Overburden Drilling Management Limited (ODM) personnel, assisted by Inco Exploration and Technical Services, Inc. (IETS) personnel. No zinc anomalies were obtained from the heavy mineral concentrates. One weak silver anomaly was located 150 m down-ice from the best of the known zinc-silver occurrences. The bedrock consists of an amphibolite grade sequence of quartz-feldspar-biotite \pm amphibole \pm garnet \pm sillimanite \pm graphite gneiss, garnet-amphibole gneiss, plagioclase-amphibole-epidote gneiss, migmatized equivalents of these rock types, and quartz-rich rocks interpreted to be sulphidic cherts.

In 1993, seven (7) diamond drill holes, totalling 1,115.0 metres, were completed. The program was designed to explain previously untested EM anomalies. All boreholes intersected amphibolite grade sequence of quartz-feldspar-biotite \pm amphibole \pm garnet \pm graphite gneiss, garnet-amphibole gneiss, plagioclase-amphibole-epidote gneiss, migmatized equivalents of these rock types, and quartz-rich rocks suggested by the RCD bedrock chips. Conductivity in all cases is explained by massive to semi-massive or disseminated pyrrhotite and minor pyrite associated with quartz-rich units interpreted to be metamorphic equivalents of sulphide facies iron formation. Zn values within these units are in the order of a few hundreds of ppm. The best intersection of the program came from BH 72587 which returned an assay of 0.22% Zn over 19.65 metres.

All programs to date indicate the presence of anomalous Zn mineralization associated with quartz rich, sulphidic horizons that may represent metamorphosed iron formations and or graphitic intervals. All mineralization encountered to date is sub-economic and there is little encouragement from geochemistry. No further work is warranted at this time.

1.0 INTRODUCTION

During 1991, the results of exploration programs carried out by Canadian Nickel Company Limited (Canico) during 1965-67 in the Kap AEM area were reviewed by Inco Exploration and Technical Services Inc. (IETS). The review concluded that potential for sedex-type base metal mineralization existed in the Agate Township area. A portion of the Kap AEM area, located within Agate Township, yielded five drill intersections of zinc (\pm silver) mineralization. Zinc mineralization in the 1-3% Zn range is hosted by banded to massive sulphides associated with three clusters of AEM anomalies. A best intersection of 2.28% zinc over 13.66 metres was located by BH 32325 on Anomaly 42-H-12 (9-12).

IETS concluded that the previous exploration carried out by Canico had not fully evaluated the economic potential of the zinc mineralization and that further work to fully evaluate the economic potential of the zinc occurrences was required. To protect the area of interest, a total of 14 claims (224 units/3,584 ha) was staked in June 1991 in Agate and Tucker Townships.

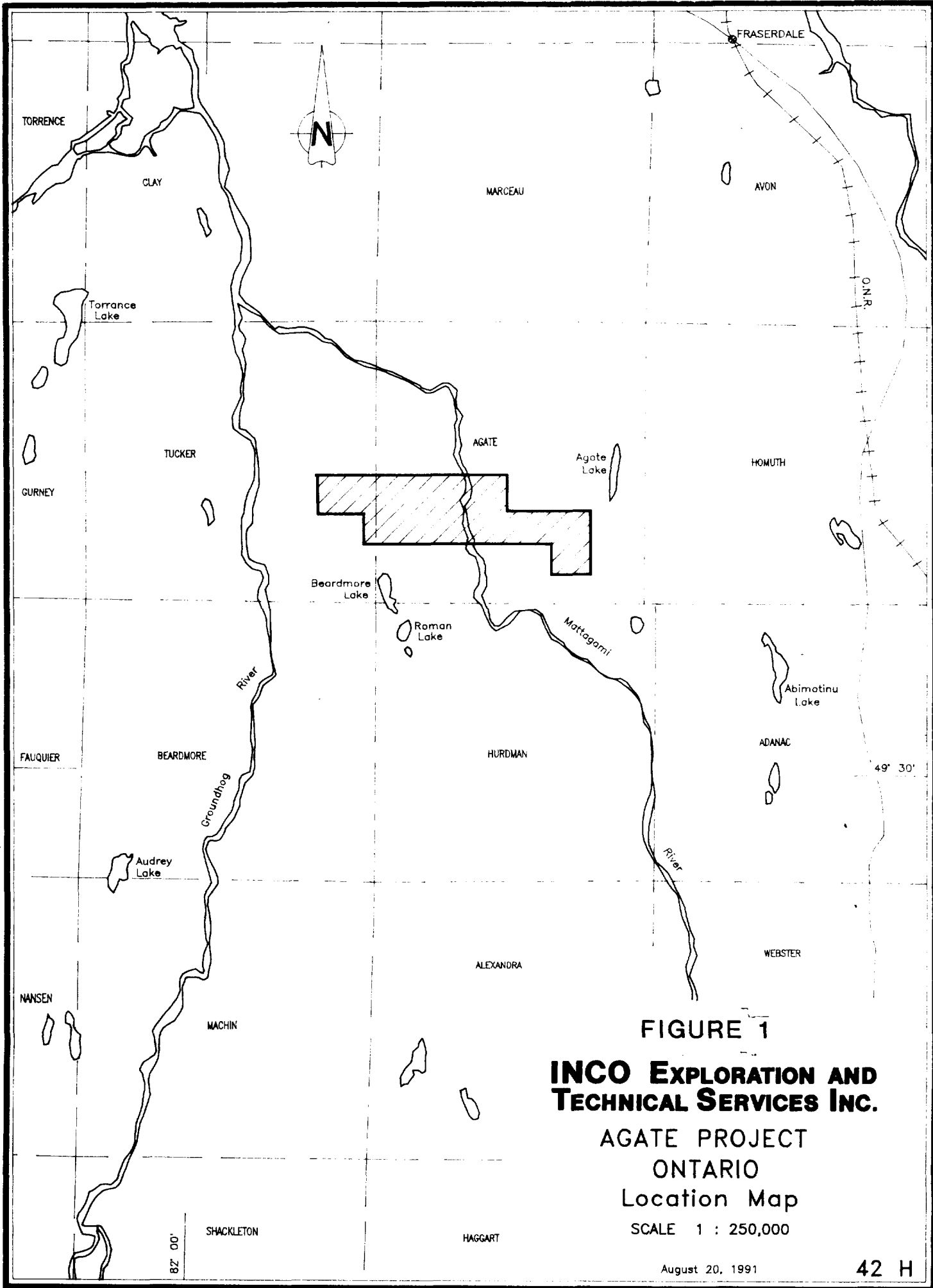
2.0 LOCATION AND ACCESS

The Agate property is situated about 50 kilometres northeast of the Town of Kapuskasing, Ontario (Figure 1). The property is bisected south to north by the Mattagami River with about 50% of the property located to the east of the river and 50% to the west.

Access to the area east of the Mattagami River is from Highway 11 north on Highway 634 to a point about 35 kilometres north of Smooth Rock Falls and thence for about 25 kilometres west and north along forestry access roads to the property in Agate Township. Most of the property east of the Mattagami River has been "clear cut" logged in recent years. The area to the west of the Mattagami River does not have any existing, all weather truck roads. Access is via unimproved roads and trails from Highway 11. Existing trails extended to a point about 12 kilometres south of the property. It was necessary to open by snow ploughing the existing unimproved roads and trails and to re-establish the winter trail constructed by IETS in 1992 for the final 12 kilometres to the property. The snow ploughing of the unimproved road from highway 11 to Moonbeam Creek was performed by M. J. Labelle Company Limited of Cochrane, Ontario. M. J. Labelle was also contracted to establish the creek crossing on Moonbeam Creek.

3.0 PROPERTY

The Agate property consists of 14 claims containing 224 claim units (3,584 ha). The claims were staked in June 1991, and are owned 100% by Inco Limited. The claims are situated in Agate and Tucker Townships, Porcupine Mining Division, District of Cochrane, Ontario (Figure 2). The claim numbers, recording dates and townships are listed below.



List of Claims

<u>Claim Number</u>	<u>Number of Units</u>	<u>Township(s)</u>	<u>Date Recorded</u>
L 1182277	16	Agate	June 20, 1991
L 1182278	16	Agate	June 20, 1991
L 1182279	16	Agate	June 20, 1991
L 1182280	16	Agate	June 20, 1991
L 1182281	16	Agate	June 20, 1991
L 1182282	16	Agate	June 20, 1991
L 1182283	16	Agate	June 20, 1991
L 1182284	16	Agate	June 20, 1991
L 1182285	16	Agate	June 20, 1991
L 1182286	16	Agate	June 20, 1991
L 1182287	16	Agate	June 20, 1991
L 1182288	16	Agate/Tucker	June 20, 1991
L 1182289	16	Agate/Tucker	June 20, 1991
L 1182290	16	Tucker	June 20, 1991

4.0 HISTORY

1964-67: The Canadian Nickel Company Limited (Canico), an exploration subsidiary of Inco Ltd., carried out airborne electromagnetic and magnetometer surveys of the area (Kap AEM Area). The airborne surveys were followed up by ground electromagnetic (VLEM) and magnetometer surveys and limited diamond drilling. This approach led to the discovery of very anomalous zinc (> 1%) mineralization in Agate Township. A best value of 2.28% zinc over 13.66 metres was intersected. A zinc deposit of economic size/grade was not located and no further field work was carried out.

1991: The results of exploration carried out by the Canadian Nickel Co. Ltd. during 1965-67 in the Kap AEM area were reviewed for further base metal potential.

That part of the Kap AEM area situated in Agate Township contains five drill intersections of zinc (\pm silver) mineralization in the 1-3% range in banded to massive sulphides associated with three local clusters of AEM anomalies. A best intersection of 2.28% zinc over 13.66 metres was located by BH 32325.

It was concluded that the previous exploration carried out by Canico had not fully evaluated the economic potential of the zinc mineralization, and that further work was required to determine the economic potential of the zinc occurrences.

To protect the area of interest a total of 14 claims (224 units/3,584 ha) was staked in Agate and Tucker Townships and about 83.7 kilometres of grid was established in the area east of the Mattagami River.

1992: During 1992, 69.35 kilometres of grid was established on the area west of the Mattagami River. A total of 153.06 kilometres of grid in three separate areas of the property has been completed.

In 1992, a total of 127 kilometres of magnetometer and 122 kilometres of horizontal loop electromagnetic surveys was completed over the three gridded areas. The surveys were successful in delineating lithological as well as structural features on the property.

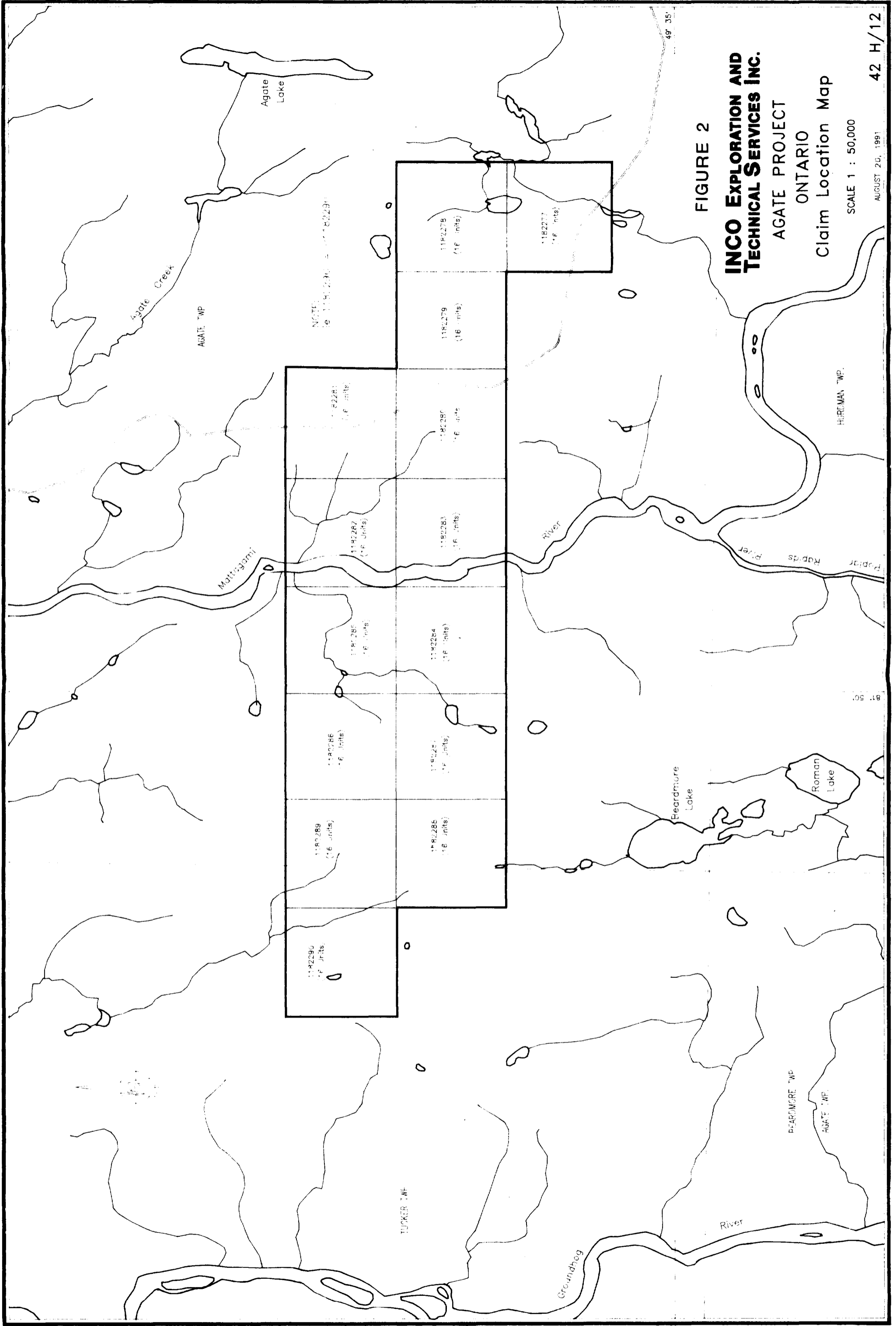


FIGURE 2

**INCO EXPLORATION AND
TECHNICAL SERVICES INC.**

AGATE PROJECT
ONTARIO
Claim Location Map

SCALE 1 : 50,000

AUGUST 20, 1991

An orientation and reconnaissance reverse circulation drilling (RCD) program consisting of 43 holes (42 completed and 1 abandoned) was completed to test the feasibility of the RCD system in this area and to evaluate zones of electromagnetic conductivity on the property. Logging and sampling of the RCD drill holes was carried out by Overburden Drilling Management Limited (ODM) personnel, assisted by IETS personnel. Heavy mineral concentrates from the till samples, and bedrock chip samples, were treated and evaluated by ODM.

A thin section and lithogeochemical study of the bedrock chips was completed by IETS. The latter study showed that the property is underlain by an amphibolite grade sequence of quartz-feldspar-biotite ± amphibole ± garnet ± sillimanite ± graphite gneiss, garnet-amphibole gneiss, plagioclase-amphibole-epidote gneiss, migmatized equivalents of these rock types, and quartz-rich rocks interpreted to be sulphidic cherts.

1993: In 1993, a diamond drill program consisting of 7 holes totalling 1,115.0 metres was completed to test areas of unexplained electromagnetic conductivity.

5.0 REGIONAL GEOLOGY

The region is underlain by clastic and chemical metasedimentary rocks with minor interbedded volcanic rocks of the Quetico Subprovince. The area is transected in a north-northeast direction by the Kapuskasing Structural Zone which is a major deformation zone stretching from near Lake Superior to James Bay. The metasedimentary rocks are strongly deformed and are variably metamorphosed to upper amphibolite and locally granulite facies gneisses, schists and migmatites.

6.0 PROPERTY GEOLOGY

With the exception of a few scattered outcrops at the rapids in the Mattagami River, the property is entirely overburden covered. The only bedrock information available is from historic (1960s) diamond drill logs (Canico) and from the bedrock chips obtained by the IETS RCD program. These chips were examined briefly, by binocular microscope, by ODM staff ODM recognized metasedimentary (amphibolite grade) gneisses in 39 of the RCD holes, amphibolite in BH 72563, lamprophyre in BH 72553 and diabase in BH 72565. A more detailed petrographic/geochemical study of the bedrock chips was made by B.C. Jago (Senior Geologist) of IETS. The study showed that the property is underlain by an amphibolite grade sequence of quartz-feldspar-biotite ± amphibole ± garnet ± sillimanite ± graphite gneiss, garnet-amphibole gneiss, plagioclase-amphibole-epidote gneiss, migmatized equivalents of these rock types, and quartz-rich rocks interpreted to be sulphidic cherts. The gneissic foliation generally is believed to strike approximately east-west; dips are irregular but typically steep. The area is cross-cut by numerous diabase dikes which strike approximately north-south and which are characterized by distinctive linear magnetic highs.

6.1 Mineralization

Mineralization intersected by historical drilling consisted of disseminated to semi-massive sphalerite, pyrite and pyrrhotite; trace amounts of chalcopyrite, galena and possibly gahnite (Zn spinel) were also reported. Copper assays do not exceed 0.30%. Lead analysis was undertaken only for BH 32332 with maximum values of 1.21% Pb in one sample together with 0.07% Cu and 1.4% Zn over 0.91 metres. Metal ratios suggest that this style of mineralization is more similar to Phanerozoic

shale-hosted Pb-Zn deposits than to Archean or younger Cu-Zn or Cu-Pb-Zn volcanogenic massive sulphide deposits.

The footwall and hangingwall lithologies intersected by previous drilling generally were described as quartz-feldspar-biotite gneisses and migmatitic gneisses. Drilling of strong, coincident electromagnetic and magnetic anomalies generally intersected massive pyrrhotite associated with garnet-amphibolite \pm magnetite \pm graphite (BH 32320 ?) enclosed in quartz-feldspar-biotite gneiss. Significant intersections from weaker magnetic and electromagnetic anomalies encountered thick (approximately 10 m) sulphidic cherts (BH 32320 and BH 32325) and siliceous gneisses containing sillimanite, coarse books of biotite/phlogopite and muscovite \pm garnet (BH 32332 and BH 32328). In general, the most significant mineralization was intersected in sequences containing sulphidic cherts; for example, BH 32325 contains a narrow intersection of 10% Zn across approximately 12 centimetres.

7.0 DIAMOND DRILLING

During the period of January 27, 1993 to February 16, 1993, IETS contracted Bradley Brothers Limited of Timmins, Ontario, to conduct a drill program consisting of seven holes totalling 1,115 metres. Bradley Brothers Limited also completed trail, drill site and camp construction. Four of the seven holes were drilled on the east side of the Mattagami River, the remaining three were drilled on the west side. Two camps had to be constructed to service the drill since it was not possible to cross the Mattagami river. The drill program targeted previously untested weak to moderate EM anomalies with and without associated magnetic highs. A summary of the seven boreholes with significant assays is listed below.

Number	Coordinates	Dip	Azimuth	Depth	Assays			
					From (m)	To (m)	Length (m)	% Zn
72581	10715N 20005E	-50	360	176.0	No assays greater than 500 ppm Zn			
72582	8830N 20800E	-50	360	153.0	No assays greater than 500 ppm Zn			
72583	9520N 21000E	-50	180	172.0	No assays greater than 500 ppm Zn			
72584	9300N 14300E	-50	180	170.0	No assays greater than 500 ppm Zn			
72585	9715N 14100E	-50	180	155.0	No assays greater than 500 ppm Zn			
72586	10730N 14100E	-50	180	140.0	47.0	48.5	1.5	0.22%
72587	9517N	-50	180	149.0	45.95	65.6	19.65	0.22%

The 1993 drilling program was designed to test previously untested EM anomalies with the exception of BH 72587 which is a 550 metre westerly step out from a previous Canico hole. Results of the holes are briefly discussed below.

BH 72581

This hole targeted a moderate EM conductor on the northern flank of a magnetic high. The dominant lithology encountered consists of quartz, feldspar, biotite, ± almandine garnet gneiss intruded by coarse quartz feldspar, biotite pegmatites. The conductor was intersected from 77.25 to 81.20 metres and consisted of an extremely silicious unit mineralized with 25 to 60% pyrrhotite and pyrite interpreted to represent a metamorphic equivalent of cherty iron formation. No significant base or precious metal values were obtained from the unit.

BH 72582

This hole targeted a moderate EM conductor coincident with a strong, westerly trending, magnetic high. Gneisses and pegmatites similar to the first hole were encountered. Conductivity was explained by a garnitiferous interval within a quartz, feldspar, biotite gneiss, mineralized with trace to 8% disseminated pyrrhotite and local bands of massive magnetite from 78.50 to 86.00 metres. No significant base or precious metal values were obtained from this unit.

BH 72583

This hole targeted a moderate EM conductor coincident with a westerly trending magnetic high. Lithologies encountered included quartz, feldspar, biotite gneisses as well as moderately magnetic massive amphibolites. The conductivity was explained by semi-massive pyrrhotite and minor pyrite, from 129.1 to 132.74 metres, hosted by quartz, biotite, feldspar gneiss in association with magnetite-bearing amphibolite. No significant base or precious metal values were obtained from the hole.

BH 72584

This hole targeted a weak EM conductor associated with a weak magnetic high. The hole intersected quartz, feldspar, biotite gneiss and pegmatites. Conductivity was explained by 8 to 10% net textured pyrrhotite and minor pyrite from 88.60 to 91.00 metres. The sulphides are associated with a strongly garnitiferous interval of the host quartz, biotite, feldspar gneiss. No significant base or precious metal values were obtained from the hole.

BH 72585

This hole targeted a very weak EM conductor without a magnetic association. The hole intersected quartz, feldspar, biotite, amphibole gneiss with minor amphibolite, intruded by rare pegmatite. Very weakly disseminated pyrrhotite and minor pyrite were noted in association with pegmatite from 41.00 to 44.0 metres. This interval may represent the conductor. No significant base or precious metal values were obtained from the hole.

BH 72586

This hole targeted a moderate EM conductor on the northern flank of a westerly trending magnetic high. Conductivity was explained by blebby pyrite and minor pyrrhotite from 42.5 to 48.5 metres hosted by quartz, feldspar, biotite, amphibole ± garnet gneiss. Within this interval traces of a light green very fine grained mineral were observed and identified as possibly being gahnite (a zinc spinel). This interval returned a value of 2,200 ppm Zn, and 16 g/t Ag over 1.5 metres. A second

interval of disseminated pyrite pyrrhotite was noted from 59.00 to 64.37 metres. This interval returned no significant base or precious values.

BH 72587

This hole targeted a moderate to strong EM conductor on the northern flank of a strong, westerly trending, magnetic high. Previous drilling (BH 32320) of this conductor by Canico, 550 metres to the east, returned a value of 0.5% Zn over 8.2 metres associated with graphite schist and massive to semi-massive pyrrhotite and pyrite. Borehole 72587 intersected massive to semi massive pyrrhotite and pyrite from 42.50 to 52.40 metres hosted by quartz, feldspar amphibole gneiss. A trace of sphalerite was observed at 50.60 metres. Graphite schist was encountered from 52.40 to 65.6 metres and from 69.60 to 72.00 metres. Zn values from the sulphides and the graphitic portions of the hole ranged from 6,500 ppm to 1,200 ppm Zn, yielding an intersection of 0.22% Zn over 19.65 metres. Ag values are below the detection limit (<5 g/t Ag).

8.0 GEOCHEMISTRY

Sedimentary exhalite (sedex) deposits commonly have associated barite deposits, graphitic horizons and elevated Mn in the associated iron formations. Unfortunately, there is no well documented study of the degree of Ba and Mn enrichment or the lateral extent of the alteration.

The Aggeneys deposits in South Africa have graphite horizons closely associated with mineralized iron formations (Ryan et al., 1986). The proposed model for these deposits is a reducing environment analogous to a black shale deposit.

Barium is a highly mobile element, especially in areas affected by high grade metamorphism. In the recent drill program values average Ba values are in the order of 200 to 400 ppm. Two values of 1,100 ppm and 1,400 ppm Ba were returned from samples collected below sulphide intersections with no Zn anomalies (BH 72581 and BH 72584, respectively).

A subset of samples was selected for major element analyses to determine the Mn contents within hangingwall and footwall lithologies of the sulphide-bearing units. The sulphide-bearing units (possibly metamorphosed iron formations) have slightly elevated MnO levels, up to 0.25%. These values are probably not significant when compared to South African examples which have MnO values in the order of several percent.

While the Agate Project mineralization bears some similarities to these South African deposits, the chemistry suggests that the Agate area may be peripheral to the main mineralization.

9.0 CONCLUSIONS AND RECOMMENDATIONS

With the exception of BH 72587 which is a 550 metre westerly step out from a previous Canico hole, the 1993 drilling program was designed to test previously untested EM anomalies in Agate Township. Lithologies intersected include quartz, biotite, feldspar, ± almandine garnet gneisses, amphibolites, pegmatite, and sulphidic quartz rich units possibly representing metamorphosed equivalents of iron formation. Conductivity in all cases was explained by variable amounts of essentially barren pyrrhotite and pyrite occurring in disseminated to massive proportions. BH 72587 intersected massive to semi-massive pyrrhotite and pyrite in association with massive graphite. This intersection returned a value of 0.22% Zn over 19.65 metres. The earlier Canico borehole drilled

550 metres to the east on the same anomaly intersected 0.50% Zn over 8.2 metres associated with massive sulphides and graphite.

Barium and MnO values for the sulphidic horizons and the enclosing units are not encouraging when compared to South African deposits that may be of similar character to the Agate mineralization.

All programs to date indicate the presence of anomalous Zn mineralization associated with quartz-rich, sulphidic horizons that may represent metamorphosed iron formations and or graphitic intervals. All mineralization encountered to date is sub-economic and there is little encouragement from geochemistry. No further work is warranted at this time.

RAC/dh
May 25, 1993

10.0 BIBLIOGRAPHY

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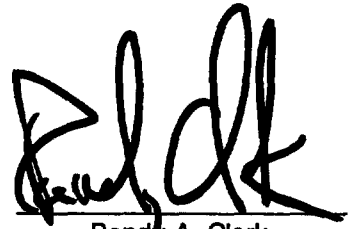
APPENDIX 1

CERTIFICATE OF QUALIFICATIONS

Certificate of Qualifications

I, Randy A. Clark, of R.R. # 1, Worthington, Ontario certify that:

1. I am a 1983 graduate of the Haileybury School of Mines with a diploma in Mining Engineering Technology.
2. I am a 1986 graduate of Laurentian University with an Honours Bachelor of Science degree in Geology.
3. I have practised my profession in Ontario continuously since graduation from University.
4. I am currently employed by Inco Exploration and Technical Services Inc.
5. I am the author of the attached report and that it is based on field work conducted under my supervision during 1993.



Randy A. Clark
May 25, 1993

APPENDIX 2

LIST OF IETS PERSONNEL

List of IETS Personnel

<u>Name</u>	<u>Occupation</u>	<u>No. of Days</u>	<u>Address</u>
W.O. Manson	Geologist	16 days	19 Market Street, Copper Cliff, Ont. P0M 1N0
R. A. Clark	Geologist	45 days	RR # 1, Worthington, Ontario, P0M 3H0
E.K. Berrer	Geophysicist	2 days	309 Edgewater Dr. Sudbury, Ont. P3E 4M9
C. Laamanen	Geol. Asst.	6 days	2505 Field St., Sudbury, Ont. P3E 4X8

APPENDIX 3
DIAMOND DRILL HOLE LOGS
(BH 72581 to BH 72587 inclusive)

INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG

PRINT DATE : 14-JUL-1994 11:58

BOREHOLE : 72561-0
PROJECT : AGATE
PROPERTY NAME: AGATE
Latitude : 10715.00N
N1S/Oand : 42-H-12
Country : CANADA
Prov./state : ONTARIO
Typ/Country : AGATE
Claim # : P-1182281

Departure : 20005.00E
Logged by : R. CLARK
Drilled by : BRADLEY BROS. LIMITED
Drill type : BOYLES 35A
Core size : 80
Section :

Elevation : 10000.00M
Assay req. : ZN, AG, AU-34 ELEMENTS
Test Method : ACID ETCH TUBE
Started : JAN. 28, 1993
Completed : JAN. 30, 1993
Grid name :

Hole length : 176.00m
Level :
Dip :
BL azimuth : 090
BH bearing : 360
Heading :

DEVIATION RECORDS

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	360.00	-50.00	26.00	-1.00	-52.00	60.00	-1.00	-50.50	90.00	-1.00	-50.50
120.00	-1.00	-50.50	176.00	-1.00	-50.00						

COMMENTS : LEFT IN HOLE: ALL CASING REMOVED

CONDUCTOR FROM 77.25 TO 81.2
CAUSED BY MASSIVE TO SEMI-MASSIVE P0, P1
CORE STORED AT COPPER CLIFF, ONT.
Core logged Jan. 29/93 to Jan. 31/93

R. Clark
for R. Clark

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	ZN	AG	AU	2MIN	CANG
m	m		m	m	m		PPM	PPB	PPB		
0.00	25.75	OVERBURDEN									

INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	ZN	AG	AU	MIN	CANG
m	m		m	m	m		PPM	PPB	PPB		
		Boulder till and clay.	0.00	25.75	25.75						
		25.75 46.60 GNEISS	25.75	46.60	20.85						

Light gray to grey, strongly banded, quartz (50 %), feldspar (30 %), biotite (10 %), +/- almandine garnet gneiss.

Unit has overall granular appearance and is locally moderately to weakly magnetic.

46.60 64.56 GNEISS

Dark gray to black, moderately to strongly banded, biotite (40 %), amphibole (30%), garnet (15 %) feldspar, quartz gneiss.

Unit is locally moderately to weakly magnetic and locally contains 1 to 2% magnetite over narrow 2 to 10 centimetre intervals. Minor pyrrhotite on margin of 2 to 3 centimetre quartz stringer at 44.4 metres. Unit contains 10 to 15% light red almandine garnet throughout ranging in size from 1 to 2 millimetre to 1.5 centimetre diameter. Upper contact is transitional with quartz, feldspar, biotite gneiss above.

Unit cut by occasional 2 to 3 centimetre gray white quartz stringers throughout.

46.60 64.56 17.96 NS

INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	ZN	AG	AU	MIN	CANG
M	M		M	M	M		PPM	PPB	PPB		

84.56 67.60 PEGMATITE

Light pink very coarse
grained, feldspar (70%), quartz (25 %),
biotite (5 %) pegmatite. Unit contains
55 to 70% feldspar crystals to 10
centimetre diameter.
64.56 66.35 Pegmatite contains trace to
1% disseminated pyrrhotite, pyrite
throughout.

67.60 77.25 GNEISS

Dark grey to black,
moderately to strongly banded, biotite,
amphibolite, garnet, feldspar, quartz
gneiss as above.

67.60	68.00	0.40	FX 770002	180.	<5000.	<5.	-	-	-	-	-
68.00	69.50	1.50	FX 770003	120.	<5000.	<5.	-	-	-	-	-
69.50	71.00	1.50	FX 770004	160.	<5000.	<5.	-	-	-	-	-
71.00	72.50	1.50	FX 770005	170.	<5000.	<5.	TR	45			
72.50	74.00	1.50	FX 770006	180.	<5000.	<5.	TR	IREG			
74.00	75.50	1.50	FX 770007	180.	<5000.	<5.	TR	IREG			
75.50	76.70	1.20	FX 770008	150.	<5000.	<5.	TR	IREG			
76.70	77.25	0.55	FX 770009	170.	<5000.	5.	5	45			

77.25 81.20 IRON FORMATION

Unit composed of massive to
semi-massive pyrrhotite, pyrite,
quartz, feldspar and minor amphibolite.
Unit has an overall medium grained to
coarse grained, granular texture
composed of quartz and minor feldspar.
Sulfides occur as a net-textured matrix
to the quartz and feldspar. Unit is
moderately to strongly magnetic

77.25	78.65	1.40	FX 770010	120.	<5000.	16.	40	MASS			
78.65	79.75	1.10	FX 770011	95.	<5000.	11.	30	IREG			
79.75	81.20	1.45	FX 770012	<50.	<5000.	16.	30	IREG			

INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG

throughout due to pyrrhotite. Unit mineralized with 25 to 60% sulfides composed of 75% pyrrhotite, 25% pyrite.

This unit represents the conductor.

81.20 104.00 PEGMATITE

Massive light pink to green very coarse grained quartz, feldspar biotite, amphibolite pegmatite as above. Unit mineralized with 3 to 6% fine grained pyrite, pyrrhotite throughout with local intervals of 15 to 20% pyrrhotite, pyrite.
93.30 94.40 Very fine grained, dark grey to black, diabase, moderately magnetic.

FROM	TO	LENGTH	SAMPLE#	ZN	AG	AU	MIN	CANG
M	M	M		PPM	PPB	PPB		
81.20	82.15	0.95	FX 770013	<50.	<5000.	<5.	7	MASS
82.15	83.00	0.85	FX 770014	<50.	<5000.	<5.	TR	IREG
83.00	84.50	1.50	FX 770015	<50.	<5000.	22.	6	MASS
84.50	86.00	1.50	FX 770016	<50.	<5000.	25.	2	MASS
86.00	87.50	1.50	FX 770017	<50.	<5000.	<5.	1	MASS
87.50	89.00	1.50	FX 770018	<50.	<5000.	5.	3	MASS
89.00	90.50	1.50	FX 770019	76.	<5000.	9.	6	MASS
90.50	92.00	1.50	FX 770020	<50.	<5000.	7.	3	MASS
92.00	93.25	1.25	FX 770021	95.	<5000.	8.	4	MASS
93.25	94.25	1.00	FX 770022	160.	<5000.	7.	TR	MASS
94.25	95.72	1.47	FX 770023	<50.	<5000.	5.	4	MASS
95.72	96.71	0.99	FX 770024	<50.	<5000.	5.	2	IREG
96.71	98.00	1.29	FX 770025	96.	<5000.	9.	15	IREG
98.00	99.50	1.50	FX 770026	50.	<5000.	8.	15	IREG
99.50	101.00	1.50	FX 770027	91.	<5000.	7.	30	IREG
101.00	102.50	1.50	FX 770028	<50.	<5000.	<5.	8	MASS
102.50	104.00	1.50	FX 770029	<50.	<5000.	<5.	10	MASS

104.00 141.60 GNEISS

Light grey to grey, strongly banded, quartz, feldspar, biotite gneiss as above. Unit moderately mineralized with 4 to 6% pyrrhotite, pyrite throughout as disseminated

FROM	TO	LENGTH	SAMPLE#	ZN	AG	AU	MIN	CANG
M	M	M		PPM	PPB	PPB		
104.00	105.50	1.50	FX 770030	<50.	<5000.	<5.	TR	80-90
105.50	107.00	1.50	FX 770031	<50.	<5000.	<5.	TR	70-90
107.00	108.50	1.50	FX 770032	61.	<5000.	<5.	TR	80
108.50	110.00	1.50	FX 770033	110.	<5000.	10.	8	MASS
110.00	111.50	1.50	FX 770034	<50.	<5000.	9.	TR	60

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

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	ZN PPM	AG PPB	AU PPB	XMIN	CANG
		specks and clots throughout. Unit is locally garnetiferous.	111.50	113.00	1.50	FX 770035	<50.	<5000.	<5.	TR	60
			113.00	114.50	1.50	FX 770036	64.	<5000.	<5.	TR	60
			114.50	116.00	1.50	FX 770037	85.	<5000.	<5.	TR	60
			116.00	117.50	1.50	FX 770038	77.	<5000.	<5.	TR	I REG
			117.50	119.00	1.50	FX 770039	160.	<5000.	<5.	TR	60
			119.00	120.50	1.50	FX 770040	150.	<5000.	<5.	TR	65
			120.50	122.00	1.50	FX 770041	240.	<5000.	<5.	3	65
			122.00	123.50	1.50	FX 770042	260.	<5000.	<5.	TR	65
			123.50	125.00	1.50	FX 770043	210.	<5000.	<5.	TR	65
			125.00	126.50	1.50	FX 770044	170.	<5000.	<5.	TR	65
			126.50	128.00	1.50	FX 770045	110.	<5000.	<5.	TR	65
			128.00	130.90	2.90	FX 770046	<50.	<5000.	<5.	TR	65
			130.90	141.60	10.70	NS					
141.60	145.80	145.80 PEGMATITE Light gray to pink, very coarse grained, massive quartz, feldspar, biotite pegmatite as above.	141.60	145.80	4.20	NS					
145.80	154.30	154.30 GNEISS Light gray to gray, strongly banded, quartz, feldspar, biotite gneiss as above.	145.80	154.30	8.50	NS					
154.30	159.90	159.90 PEGMATITE Light pink to pink massive, very coarse grained, feldspar, quartz, biotite pegmatite as above.	154.30	159.90	5.60	NS					
159.90	163.75	163.75 GNEISS Light gray to gray, strongly	159.90	163.75	3.85	NS					

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

FROM M	TO M	DESCRIPTION	FROM M	TO M	LENGTH M	SAMPLE#	ZN PPM	AG PPB	AU PPB	MIN	CANG
		banded, feldspar, quartz, biotite pegmatite as above.									
163.75	164.55	LAMPROPHYRE Light gray to green, strongly carbonatized, fragmental, lamprophyre dike. Unit contains 15 to 20% 1 to 5 millimetre rounded mafic fragments set in a light green to gray, strongly carbonatized matrix biotite Rich matrix.	163.75	164.55	0.80	MS					
164.55	176.00	GNEISS Light gray to gray, strongly banded, quartz, feldspar, biotite gneiss as above. Foot of hole at 176.0 metres	164.55	176.00	11.45	MS					

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

BOREHOLE : 72581-0
 PROJECT : AGATE
 PROPERTY NAME: AGATE
 Latitude : 10715.00N
 NTS/Quad : 42-H-12
 Country : CANADA
 Prov./state : ONTARIO
 Twp/County : AGATE
 Claim # : P-1182281

PRINT DATE : 27-MAY-1993 14:27

Departure : 20005.00E
 Logged by : R. CLARK
 Drilled by : BRADLEY BROS. LIMITED
 Drill type : BOYLES 35A
 Core size : 80
 Section :

Elevation : 10000.00m
 Assay req. : ZN, AG, AU+34 ELEMENTS
 Test Method : ACID ETCH TUBE
 Started : JAN. 28, 1993
 Completed : JAN. 30, 1993
 Grid name :

Hole length : 176.00m
 Level :
 Dip :
 BL azimuth : 090
 BH bearing : 360
 Heading :

DEVIATION RECORDS

depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	360.00	-50.00	26.00	-1.00	-52.00	60.00	-1.00	-50.50
120.00	-1.00	-50.50	176.00	-1.00	-50.00	90.00	-1.00	-50.50

COMMENTS : LEFT IN HOLE: ALL CASING REMOVED
 CONDUCTOR FROM 77.25 TO 81.2
 CAUSED BY MASSIVE TO SEMI-MASSIVE PO, PY
 CORE STORED AT COPPER CLIFF, ONT.

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	ZN	AG	AU	%MIN	CANG
m	m		m	m	m		PPM	PPB	PPB		

0.00	25.75	OVERBURDEN	0.00	25.75	25.75	NS					
		Boulder till and clay.									
25.75	46.60	GNEISS	25.75	46.60	20.85	NS					
		Light gray to gray, strongly banded, quartz (50 %), feldspar (30 %).									

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

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	ZN PPM	AG PPB	AU PPB	%MIN	CANG
		biotite (10 %), +/- almandine garnet gneiss.									
		Unit has overall granular appearance and is locally moderately to weakly magnetic.									
46.60	64.56	GNEISS Dark gray to black, moderately to strongly banded, biotite (40 %), amphibole (30%), garnet (15 %) feldspar, quartz gneiss.	46.60	64.56	17.96	NS					
		Unit is locally moderately to weakly magnetic and locally contains 1 to 2% magnetite over narrow 2 to 10 centimetre intervals. Minor pyrrhotite on margin of 2 to 3 centimetre quartz stringer at 44.4 metres. Unit contains 10 to 15% light red almandine garnet throughout ranging in size from 1 to 2 millimetre to 1.5 centimetre diameter. Upper contact is transitional with quartz, feldspar, biotite gneiss above.									
		Unit cut by occasional 2 to 3 centimetre gray white quartz stringers throughout.									
64.56	67.60	PEGMATITE Light pink very coarse grained, feldspar (70%), quartz (25 %), biotite (5 %) pegmatite. Unit contains 55 to 70% feldspar crystals to 10	64.56	66.35	1.79	NS					
			66.35	67.60	1.25	FX 770001	67.	<5000.	<5.	TR	MASS

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

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	ZN PPM	AG PPB	AU PPB	%MIN	CANG
		centimetre diameter.									
	64.56	66.35 Pegmatite contains trace to 1% disseminated pyrrhotite, pyrite throughout.									
67.60	77.25	GNEISS Dark gray to black, moderately to strongly banded, biotite, amphibolite, garnet, feldspar, quartz gneiss as above.	67.60	68.00	0.40	FX 770002	180.	<5000.	<5.	-	-
			68.00	69.50	1.50	FX 770003	120.	<5000.	<5.	-	-
			69.50	71.00	1.50	FX 770004	160.	<5000.	<5.	-	-
			71.00	72.50	1.50	FX 770005	170.	<5000.	<5.	TR	45
			72.50	74.00	1.50	FX 770006	180.	<5000.	<5.	TR	IREG
			74.00	75.50	1.50	FX 770007	180.	<5000.	<5.	TR	IREG
			75.50	76.70	1.20	FX 770008	150.	<5000.	<5.	TR	IREG
			76.70	77.25	0.55	FX 770009	170.	<5000.	5.	5	45
77.25	81.20	IRON FORMATION Unit composed of massive to semi-massive pyrrhotite, pyrite, quartz, feldspar and minor amphibolite. Unit has an overall medium grained to coarse grained, granular texture composed of quartz and minor feldspar. Sulfides occur as a net-textured matrix to the quartz and feldspar. Unit is moderately to strongly magnetic throughout due to pyrrhotite. Unit mineralized with 25 to 60% sulfides composed of 75% pyrrhotite, 25% pyrite.	77.25	78.65	1.40	FX 770010	120.	<5000.	16.	40	MASS
			78.65	79.75	1.10	FX 770011	93.	<5000.	11.	30	IREG
			79.75	81.20	1.45	FX 770012	<50.	<5000.	16.	30	IREG

81.20 104.00 PEGMATITE

This unit represents the conductor.

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

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	ZN PPM	AG PPB	AU PPB	%MTN	CANG
		Massive light pink to green	81.20	82.15	0.95	FX 770013	<50.	<5000.	<5.	7	MASS
		very coarse grained quartz, feldspar	82.15	83.00	0.85	FX 770014	<50.	<5000.	<5.	TR	IREG
		biotite, amphibolite pegmatite as	83.00	84.50	1.50	FX 770015	<50.	<5000.	22.	6	MASS
		above. Unit mineralized with 3 to 6%	84.50	86.00	1.50	FX 770016	<50.	<5000.	25.	2	MASS
		fine grained pyrite, pyrrhotite	86.00	87.50	1.50	FX 770017	<50.	<5000.	<5.	1	MASS
		throughout with local intervals of 15	87.50	89.00	1.50	FX 770018	<50.	<5000.	5.	3	MASS
		to 20% pyrrhotite, pyrite.	89.00	90.50	1.50	FX 770019	76.	<5000.	9.	6	MASS
		93.30 94.40 Very fine grained, dark gray	90.50	92.00	1.50	FX 770020	<50.	<5000.	7.	3	MASS
		to black, diabase, moderately magnetic.	92.00	93.25	1.25	FX 770021	95.	<5000.	8.	4	MASS
			93.25	94.25	1.00	FX 770022	160.	<5000.	7.	TR	MASS
			94.25	95.72	1.47	FX 770023	<50.	<5000.	5.	4	MASS
			95.72	96.71	0.99	FX 770024	<50.	<5000.	5.	2	IREG
			96.71	98.00	1.29	FX 770025	96.	<5000.	9.	15	IREG
			98.00	99.50	1.50	FX 770026	50.	<5000.	8.	15	IREG
			99.50	101.00	1.50	FX 770027	91.	<5000.	7.	30	IREG
			101.00	102.50	1.50	FX 770028	<50.	<5000.	<5.	8	MASS
			102.50	104.00	1.50	FX 770029	<50.	<5000.	<5.	10	MASS
			104.00	105.50	1.50	FX 770030	<50.	<5000.	<5.	TR	80-90
			105.50	107.00	1.50	FX 770031	<50.	<5000.	<5.	TR	70-90
			107.00	108.50	1.50	FX 770032	61.	<5000.	<5.	TR	80
			108.50	110.00	1.50	FX 770033	110.	<5000.	10.	8	MASS
			110.00	111.50	1.50	FX 770034	<50.	<5000.	9.	TR	60
			111.50	113.00	1.50	FX 770035	<50.	<5000.	<5.	TR	60
			113.00	114.50	1.50	FX 770036	64.	<5000.	<5.	TR	60
			114.50	116.00	1.50	FX 770037	85.	<5000.	<5.	TR	60
			116.00	117.50	1.50	FX 770038	77.	<5000.	<5.	TR	IREG
			117.50	119.00	1.50	FX 770039	160.	<5000.	<5.	TR	60
			119.00	120.50	1.50	FX 770040	150.	<5000.	<5.	TR	65
			120.50	122.00	1.50	FX 770041	240.	<5000.	<5.	3	65
			122.00	123.50	1.50	FX 770042	260.	<5000.	<5.	TR	65

104.00 141.60 GNEISS

Light gray to gray, strongly banded, quartz, feldspar, biotite gneiss as above. Unit moderately mineralized with 4 to 6% pyrrhotite, pyrite throughout as disseminated specks and clots throughout. Unit is locally garnetiferous.

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

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	ZN PPM	AG PPB	AU PPB	%MIN	CANG
			123.50	125.00	1.50	FX 770043	210.	<5000.	<5.	TR	65
			125.00	126.50	1.50	FX 770044	170.	<5000.	<5.	TR	65
			126.50	128.00	1.50	FX 770045	110.	<5000.	<5.	TR	65
			128.00	130.90	2.90	FX 770046	<50.	<5000.	<5.	TR	65
			130.90	141.60	10.70	NS					
141.60	145.80	PEGMATITE Light gray to pink, very coarse grained, massive quartz, feldspar, biotite pegmatite as above.	141.60	145.80	4.20	NS					
145.80	154.30	GNEISS Light gray to gray, strongly banded, quartz, feldspar, biotite gneiss as above.	145.80	154.30	8.50	NS					
154.30	159.90	PEGMATITE Light pink to pink massive, very coarse grained, feldspar, quartz, biotite pegmatite as above.	154.30	159.90	5.60	NS					
159.90	163.75	GNEISS Light gray to gray, strongly banded, feldspar, quartz, biotite pegmatite as above.	159.90	163.75	3.85	NS					
163.75	164.55	LAMPROPHYRE Light gray to green, strongly carbonatized, fragmental, lamprophyre dike. Unit contains 15 to 20% 1 to 5 millimetre rounded mafic fragments set in a light green to gray,	163.75	164.55	0.80	NS					

INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	ZN PPM	AG PPB	AU PPB	%MIN	CANG
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strongly carbonatized matrix biotite
Rich matrix.

164.55 176.00 GNEISS

Light gray to gray, strongly
banded, quartz, feldspar, biotite
gneiss as above.
Foot of hole at 176.0 metres

164.55 176.00 11.45 NS



INCO EXPLORATION AND TECHNICAL SERVICES INC. DRILL LOG

BOREHOLE : 72582-0
 PROJECT : AGATE
 PROPERTY NAME: AGATE
 Latitude : 8830.00M
 NTS/quad : 42-N-12
 Country : CANADA
 Prov./state : ONTARIO
 Twp/county : AGATE
 Claim # : P-1182279

Departure : 20800.00E
 Logged by : R. CLARK
 Drilled by : BRADLEY BROS. LIMITED
 Drill type : BOYLES 35A
 Core size : BQ
 Section :

Elevation : 10000.00m
 Assay req. : ZN, AG, AU+34 ELEMENTS
 Test Method : ACID ETCH TUBE
 Started : JAN. 30, 1993
 Completed : FEB. 2, 1993
 Grid name :

PRINT DATE : 14-JUL-1994 11:58
 Hole Length : 153.00m
 Level :
 Dip :
 BL azimuth : 090
 BH bearing : 360
 Heading :

DEVIATION RECORDS

depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	360.00	-50.00	10.00	-1.00	-50.50	40.00	-1.00	-49.00
100.00	-1.00	-45.00	153.00	-1.00	-43.00	70.00	-1.00	-46.00

COMMENTS : LEFT IN HOLE: 10 METRES BW CASING AND SHOE.
 CONDUCTOR FROM 78.5 TO 86.0
 CONSISTING OF 5 TO 8 X PO, PY
 CORE STORED AT COPPER CLIFF, ONT.
 Core logged Jan.31/93 to Feb.03/93

N. Taylor for R. Clark

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	ZN	AG	AU	MIN	CANG
m	m		m	m	m		PPM	PPB	PPB		

0.00 10.00 OVERBURDEN

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

FROM M	TO M	DESCRIPTION	FROM M	TO M	LENGTH M	SAMPLE#	ZN PPH	AG PPB	AU PPB	%MIN	CANG
		Sand and boulder till.	0.00	10.00	10.00	NS					
10.00	12.62	10.00 12.62 GNEISS Dark gray to gray, medium grained, amphibolite (30 %), feldspar (25 %), quartz (20 %), biotite (10 %) gneiss.	10.00	12.62	2.62	NS					
12.62	14.55	12.62 14.55 DIABASE Dark gray to black, massive, very fine grained, strongly magnetic diabase with strongly chilled margins.	12.62	14.55	1.93	NS					
14.55	20.90	14.55 20.90 GNEISS Dark gray to gray, medium grained, amphibolite, feldspar, quartz, biotite gneiss as above.	14.55	20.90	6.35	NS					
20.90	21.95	20.90 111.90 GNEISS Grey to light gray, quartz (50 %) feldspar (25 %), biotite (10 %), garnet gneiss. 23.45 24.78 Gneiss mineralized with 3 to 5% disseminated pyrrhotite, pyrite throughout. 36.50 42.00 Interval contains 10 to 15 % silimandine garnet throughout and mineralized with rare speck pyrrhotite throughout. 48.40 49.80 Dark brick red massive, feldspar, quartz pegmatite.	20.90	21.95	1.05	FX 770117	<50.	<5000.	<5.	TR	40
21.95	23.45		21.95	23.45	1.50	FX 770118	180.	<5000.	<5.	TR	45
23.45	24.78		23.45	24.78	1.33	FX 770119	120.	<5000.	<5.	3-5	40
24.78	25.88		24.78	25.88	1.10	FX 770120	<50.	<5000.	<5.	TR	40
25.88	26.60		25.88	26.60	0.72	FX 770121	260.	<5000.	<5.	TR	MASS
26.60	72.50		26.60	72.50	45.90	NS				TR	40
72.50	74.00		72.50	74.00	1.50	FX 770122	140.	<5000.	<5.	TR	50
74.00	75.50		74.00	75.50	1.50	FX 770123	230.	<5000.	<5.	TR	40
75.50	77.00		75.50	77.00	1.50	FX 770124	90.	<5000.	7.	TR	40
77.00	78.50		77.00	78.50	1.50	FX 770125	150.	<5000.	<5.	TR	50
78.50	79.35	78.50	79.35	0.85	FX 770126	130.	<5000.	10.	4-5	45	
79.35	80.95	79.35	80.95	1.60	FX 770127	130.	<5000.	5.	6-8	45	

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

FROM M	TO M	DESCRIPTION	FROM M	TO M	LENGTH M	SAMPLE#	ZN PPM	AG PPB	AU PPB	XMIN	CANG
49.80	57.30	Intrval contains 20 to 25% almandine garnet throughout.	80.95	81.90	0.95	FX 770128	<50.	<5000.	<5.	2-3	45
78.50	86.00	Interval contains 10 to 15% almandine garnet and is mineralized with trace to locally 8% disseminated pyrrhotite and minor pyrite throughout. Unit contains locally 1 to 2 centimetre bands of massive magnetite throughout. This interval represents the conductor.	81.90	83.00	1.10	FX 770129	96.	<5000.	<5.	TR	80
			83.00	84.50	1.50	FX 770130	<50.	<5000.	<5.	3	45
			84.50	86.00	1.50	FX 770131	99.	<5000.	<5.	1-2	45
			86.00	87.50	1.50	FX 770132	65.	<5000.	<5.	TR	40
			87.50	89.00	1.50	FX 770133	91.	<5000.	<5.	TR	40
			89.00	90.50	1.50	FX 770134	77.	<5000.	<5.	TR	50
			90.50	92.00	1.50	FX 770135	83.	<5000.	<5.	TR	40
			92.00	93.50	1.50	FX 770136	55.	<5000.	<5.	TR	45
			93.50	95.40	1.90	FX 770137	70.	<5000.	<5.	TR	40
			95.40	111.90	16.50	NS				-	40
111.90	118.57	118.57 118.57 PEGMATITE Dark red to pink, massive very coarse grained, feldspar (40%), quartz (30%), biotite (15%) pegmatite as above.	111.90	118.57	6.67	NS				-	40
118.57	127.12	118.57 127.12 GNEISS Gray to light gray, quartz, feldspar, biotite, garnet gneiss as above.	118.57	127.12	8.55	NS				-	40
127.12	128.38	127.12 128.38 PEGMATITE Dark red to pink, massive very coarse grained, feldspar, quartz, biotite pegmatite as above.	127.12	128.38	1.26	NS				-	40
128.38	132.80	128.38 132.80 GNEISS Gray to light gray, quartz, feldspar, biotite, garnet gneiss as above.	128.38	132.80	4.42	NS				-	40

INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG

FROM M	TO M	DESCRIPTION	FROM M	TO M	LENGTH M	SAMPLE#	ZN PPM	AG PPB	AU PPB	MIN	CANG
		above.									
132.80	138.90	132.80 138.90 PEGMATITE Dark red to pink, massive very coarse grained, feldspar, quartz, biotite pegmatite as above.	132.80	138.90	6.10	MS				-	40
138.90	140.20	138.90 140.20 GNEISS Gray to light gray, quartz, feldspar, biotite, garnet gneiss as above.	138.90	140.20	1.30	MS				-	40
140.20	141.16	140.20 141.16 PEGMATITE Dark red to pink, massive very coarse grained, feldspar, quartz, biotite pegmatite as above.	140.20	141.16	0.96	MS				-	40
141.16	143.95	141.16 143.95 GNEISS Gray to light gray, quartz, feldspar, biotite, garnet gneiss as above.	141.16	143.95	2.79	MS				-	40
143.95	150.20	143.95 150.20 PEGMATITE Dark red to pink, massive very coarse grained, feldspar, quartz, biotite pegmatite as above.	143.95	150.20	6.25	MS				-	40
150.20	153.00	150.20 153.00 GNEISS Gray to light gray, quartz, feldspar, biotite, garnet gneiss as above.	150.20	153.00	2.80	MS				-	40

72582-0

72582-0

INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG

FROM M	TO M	DESCRIPTION	FROM M	TO M	LENGTH M	SAMPLE#	ZN PPM	AG PPB	AU PPB	XMIN	CANG
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Foot of hole at 153.0 metres.

72582-0

72582-0



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

BOREHOLE : 72582-0
 PROJECT : AGATE
 PROPERTY NAME: AGATE
 Latitude : 8830.00N
 NTS/Quad : 42-H-12
 Country : CANADA
 Prov./state : ONTARIO
 Twp/County : AGATE
 Claim # : P-1182279

Departure : 20800.00E
 Logged by : R. CLARK
 Drilled by : BRADLEY BROS. LIMITED
 Drill type : BOYLES 35A
 Core size : 8q
 Section :

Elevation : 10000.00m
 Assay req. : ZN, AG, AU+34 ELEMENTS
 Test Method : ACID ETCH TUBE
 Started : JAN. 30, 1993
 Completed : FEB. 2, 1993
 Grid name :

Hole length : 153.00m
 Level :
 Dip :
 BL azimuth : 090
 BH bearing : 360
 Heading :

PRINT DATE : 27-MAY-1993 14:27

DEVIATION RECORDS

depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	360.00	-50.00	10.00	-1.00	-50.50	40.00	-1.00	-49.00
100.00	-1.00	-45.00	153.00	-1.00	-43.00	70.00	-1.00	-46.00

COMMENTS : LEFT IN HOLE: 10 METRES BW CASING AND SHOE.
 CONDUCTOR FROM 78.5 TO 86.0
 CONSISTING OF 5 TO 8 % PO, PY
 CORE STORED AT COPPER CLIFF, ONT.

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	ZN	AG	AU	%MIN	CANG
m	m		m	m	m		PPM	PPB	PPB		
0.00	10.00	OVERBURDEN Sand and boulder till.	0.00	10.00	10.00						
10.00	12.62	GNEISS Dark gray to gray, medium grained, amphibolite (30 %), feldspar	10.00	12.62	2.62						

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

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	ZN PPM	AG PPB	AU PPB	%MIN	CANG
		(25 %), quartz (20 %), biotite (10 %) gneiss.									
12.62	14.55	14.55 DIABASE Dark gray to black, massive, very fine grained, strongly magnetic diabase with strongly chilled margins.	12.62	14.55	1.93	NS					
14.55	20.90	14.55 GNEISS Dark gray to gray, medium grained, amphibolite, feldspar, quartz, biotite gneiss as above.	14.55	20.90	6.35	NS					
20.90	111.90	20.90 GNEISS Gray to light gray, quartz (50 %) feldspar (25 %), biotite (10 %), garnet gneiss. 23.45 24.78 Gneiss mineralized with 3 to 5% disseminated pyrrhotite, pyrite throughout. 36.50 42.00 Interval contains 10 to 15 % almandine garnet throughout and mineralized with rare speck pyrrhotite throughout. 48.40 49.80 Dark brick red massive, feldspar, quartz pegmatite. 49.80 57.30 Interval contains 20 to 25% almandine garnet throughout. 78.50 86.00 Interval contains 10 to 15% almandine garnet and is mineralized with trace to locally 8% disseminated pyrrhotite and minor pyrite throughout.	20.90	21.95	1.05	FX 770117	<50.	<5000.	<5.	TR	40
			21.95	23.45	1.50	FX 770118	180.	<5000.	<5.	TR	45
			23.45	24.78	1.33	FX 770119	120.	<5000.	<5.	3-5	40
			24.78	25.88	1.10	FX 770120	<50.	<5000.	<5.	TR	40
			25.88	26.60	0.72	FX 770121	260.	<5000.	<5.	TR	MASS
			26.60	72.50	45.90	NS				TR	40
			72.50	74.00	1.50	FX 770122	140.	<5000.	<5.	TR	50
			74.00	75.50	1.50	FX 770123	230.	<5000.	<5.	TR	40
			75.50	77.00	1.50	FX 770124	90.	<5000.	7.	TR	40
			77.00	78.50	1.50	FX 770125	150.	<5000.	<5.	TR	50
			78.50	79.35	0.85	FX 770126	130.	<5000.	10.	4-5	45
			79.35	80.95	1.60	FX 770127	130.	<5000.	5.	6-8	45
			80.95	81.90	0.95	FX 770128	<50.	<5000.	<5.	2-3	45
			81.90	83.00	1.10	FX 770129	96.	<5000.	<5.	TR	80
			83.00	84.50	1.50	FX 770130	<50.	<5000.	<5.	3	45
			84.50	86.00	1.50	FX 770131	99.	<5000.	<5.	1-2	45
			86.00	87.50	1.50	FX 770132	65.	<5000.	<5.	TR	40
			87.50	89.00	1.50	FX 770133	91.	<5000.	<5.	TR	40

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

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	ZN PPM	AG PPB	AU PPB	%MIN	CANG
		Unit contains locally 1 to 2 centimetre bands of massive magnetite throughout. This interval represents the conductor.	89.00	90.50	1.50	FX 770134	77.	<5000.	<5.	TR	50
			90.50	92.00	1.50	FX 770135	83.	<5000.	<5.	TR	40
			92.00	93.50	1.50	FX 770136	55.	<5000.	<5.	TR	45
			93.50	95.40	1.90	FX 770137	70.	<5000.	<5.	TR	40
			95.40	111.90	16.50	NS				-	40
			111.90	118.57	6.67	NS				-	40
		111.90 118.57 PEGMATITE Dark red to pink, massive very coarse grained, feldspar (40%), quartz (30%), biotite (15%) pegmatite as above.									
			118.57	127.12	8.55	NS				-	40
		118.57 127.12 GNEISS Gray to light gray, quartz, feldspar, biotite, garnet gneiss as above.									
			127.12	128.38	1.26	NS				-	40
		127.12 128.38 PEGMATITE Dark red to pink, massive very coarse grained, feldspar, quartz, biotite pegmatite as above.									
			128.38	132.80	4.42	NS				-	40
		128.38 132.80 GNEISS Gray to light gray, quartz, feldspar, biotite, garnet gneiss as above.									
			132.80	138.90	6.10	NS				-	40
		132.80 138.90 PEGMATITE Dark red to pink, massive very coarse grained, feldspar, quartz, biotite pegmatite as above.									
			138.90	140.20							
		138.90 140.20 GNEISS									

INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	ZN PPM	AG PPB	AU PPB	%MIN	CANG
		Gray to light gray, quartz, feldspar, biotite, garnet gneiss as above.	138.90	140.20	1.30	NS				-	40
140.20	141.16	PEGMATITE Dark red to pink, massive very coarse grained, feldspar, quartz, biotite pegmatite as above.	140.20	141.16	0.96	NS				-	40
141.16	143.95	GNEISS Gray to light gray, quartz, feldspar, biotite, garnet gneiss as above.	141.16	143.95	2.79	NS				-	40
143.95	150.20	PEGMATITE Dark red to pink, massive very coarse grained, feldspar, quartz, biotite pegmatite as above.	143.95	150.20	6.25	NS				-	40
150.20	153.00	GNEISS Gray to light gray, quartz, feldspar, biotite, garnet gneiss as above. Foot of hole at 153.0 metres.	150.20	153.00	2.80	NS				-	40

INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG

PRINT DATE :14-JUL-1994 11:58

BOREHOLE :72583-0
PROJECT : AGATE
PROPERTY NAME: AGATE
Latitude : 9520.00N
NTS/quad : 42-N-12
Country : CANADA
Prov./state : ONTARIO
Twp/County : AGATE
Claim # : P-1182279

Departure : 21000.00E
Logged by : R. CLARK
Drilled by : BRADLEY BROS. LIMITED
Drill type : BOYLES 35A
Core size : BQ
Section :

Elevation : 10000.00m
Assay req. : ZN, AG, AU+34 ELEMENTS
Test Method : ACID ETCH TUBE
Started : FEB. 1, 1993
Completed : FEB. 3, 1993
Grid name :

Hole length : 172.00m
Level :
Dip :
BL azimuth : 090
BH bearing : 180
Heading :

DEVIATION RECORDS

depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	180.00	-50.00	10.00	-1.00	-52.00	40.00	-1.00	-47.00
100.00	-1.00	-50.00	130.00	-1.00	-46.00	172.00	-1.00	-46.00

COMMENTS : LEFT IN HOLE: 10 M BW CASING & SHOE, 1 M HW CASING & S
CONDUCTOR FROM 129.1 TO 132.74
CAUSED BY PO, PY, +/- MAGNETITE.
CORE STORED AT COPPER CLIFF, ONT.
Core logged Feb.02/93 to Feb.04/93

A. T. J. R. Clark

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	ZN	AG	AU	SMIN	CANG
m	m		m	m	m		PPM	PPB	PPB		

0.00 10.00 OVERBURDEN

INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG

FROM M	TO M	DESCRIPTION	FROM M	TO M	LENGTH M	SAMPLE#	ZN PPM	AG PPB	AU PPB	SMIN	CANG
0.00	10.00	Sand, clay and boulder till.	0.00	10.00	10.00	MS					
10.00	63.00	GNEISS Light gray to green, medium grained, strongly banded, quartz (60%), feldspar (30 %), biotite (5 %) gneiss. Unit contains minor almandine garnet throughout. Unit cut by occasional quartz, feldspar pegmatite dyket throughout. Mafic, dark coloured bands are locally strongly to moderately magnetic and contain 5 to 6% magnetite. Unit has an overall granular appearance. Core angle is highly variable ranging from 90 degree to 10 degree throughout unit. Unit contains occasional dark green amphibolite band throughout.	10.00	38.00	28.00	MS					
38.00	39.40		38.00	39.40	1.40	FX 770047	<50.	<5000.	<5.	tr	45
39.40	40.82		39.40	40.82	1.42	FX 770048	68.	<5000.	<5.	TR-1	IREG
40.82	42.16		40.82	42.16	1.34	FX 770049	71.	<5000.	<5.	6-8	IREG
42.16	43.00		42.16	43.00	0.84	FX 770050	110.	<5000.	<5.	2-3	45
43.00	44.30		43.00	44.30	1.30	FX 770051	150.	<5000.	<5.	1-2	45
44.30	45.35		44.30	45.35	1.05	FX 770052	72.	<5000.	<5.	TR	IREG
45.35	63.00		45.35	63.00	17.65	MS					
63.00	107.40	AMPHIBOLITE Dark green, moderately magnetic, medium grained, moderately to	63.00	106.40	43.40	MS					
106.40	107.40		106.40	107.40	1.00	FX 770053	61.	<5000.	<5.	TR	30

INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG

FROM M	TO M	DESCRIPTION	FROM M	TO M	LENGTH M	SAMPLE#	ZN PPM	AG PPB	AU PPB	MIN	CANG
		strongly foliated, amphibolite. Unit contains occasional light pink granitic inclusions and dark green mafic inclusions giving the unit an overall clastic appearance.									
		Unit mineralized with rare speck pyrite throughout. Unit composed of 60% amphibole, 15 to 20% biotite, and minor quartz, and feldspar.									
107.40	108.70	107.40 112.35 IRON FORMATION Light gray to white, very siliceous unit composed of 90% silica, 5 to 8% feldspar and minor biotite. Unit contains 1 to 3% magnetite throughout as fine disseminations to coarse clots to 2 centimetres diameter.	107.40	108.70	1.30	FX 770054	120.	<5000.	<5.	3-5	MASS
108.70	109.90		108.70	109.90	1.20	FX 770055	<50.	<5000.	<5.	3-5	MASS
109.90	110.70		109.90	110.70	0.80	FX 770056	<50.	<5000.	<5.	TR	MASS
110.70	111.23		110.70	111.23	0.53	FX 770057	<50.	<5000.	<5.	TR	MASS
111.23	112.35		111.23	112.35	1.12	FX 770058	120.	<5000.	<5.	TR	MASS
112.35	113.62	112.35 115.55 PEGMATITE Light pink to green, very coarse grained, quartz (60%), feldspar (30%), biotite (10%) pegmatite. Unit mineralized with 2% very fine grained disseminated pyrrhotite, pyrite throughout.	112.35	113.62	1.27	FX 770059	<50.	<5000.	<5.	TR	MASS
113.62	114.74		113.62	114.74	1.12	FX 770060	<50.	<5000.	<5.	1-2	MASS
114.74	115.55		114.74	115.55	0.81	FX 770061	<50.	<5000.	<5.	TR	MASS
115.55	116.68	115.55 146.00 GNEISS Light gray to buff, medium to fine grained, quartz, feldspar, biotite, garnet, gneiss as above. Unit	115.55	116.68	1.13	FX 770062	91.	<5000.	<5.	TR	45
116.68	117.50		116.68	117.50	0.82	FX 770063	58.	<5000.	<5.	1-2	IREG
117.50	119.00		117.50	119.00	1.50	FX 770064	62.	<5000.	<5.	1-2	25-30

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

FROM M	TO M	DESCRIPTION	FROM M	TO M	LENGTH M	SAMPLE#	ZN PPM	AG PPB	AU PPB	XMIN	CANG
		mineralized with trace to 6% pyrrhotite, pyrite throughout as fine disseminations to coarse, 1 to 2 centimetre clots throughout.	119.00	120.50	1.50	FX 770065	87.	<5000.	<5.	1-2	IREG
		129.10 ¹⁰ 132.74 30 to 60% massive to semi-massive pyrrhotite, pyrite throughout.	120.50	122.00	1.50	FX 770066	<50.	<5000.	<5.	TR	0
		Interval appears to be pervasively silicified throughout. This represents the conductor.	122.00	123.50	1.50	FX 770067	<50.	<5000.	<5.	2-3	15
			123.50	125.00	1.50	FX 770068	<50.	<5000.	<5.	3-4	35
			125.00	126.50	1.50	FX 770069	130.	<5000.	<5.	4-5	45
			126.50	128.00	1.50	FX 770070	180.	<5000.	<5.	4-5	70
			128.00	129.10	1.10	FX 770071	82.	<5000.	<5.	5-6	5
			129.10	130.50	1.40	FX 770072	68.	<5000.	10.	60	IREG
			130.50	131.51	1.01	FX 770073	<50.	<5000.	<5.	TR	40
			131.51	132.72	1.21	FX 770074	<50.	<5000.	6.	30	30
			132.72	134.00	1.28	FX 770075	50.	<5000.	<5.	3-4	70
			134.00	135.50	1.50	FX 770076	78.	<5000.	<5.	2-3	IREG
			135.50	137.00	1.50	FX 770077	120.	<5000.	<5.	4-5	IREG
			137.00	138.50	1.50	FX 770078	130.	<5000.	<5.	3-4	20
			138.50	140.00	1.50	FX 770079	200.	<5000.	<5.	4-5	55
			140.00	141.50	1.50	FX 770080	73.	<5000.	<5.	2-3	45
			141.50	143.00	1.50	FX 770081	160.	<5000.	<5.	2-3	20
			143.00	144.50	1.50	FX 770082	110.	<5000.	<5.	2-3	30
			144.50	146.00	1.50	FX 770083	110.	<5000.	<5.	1-2	40
146.00	172.00	GNEISS									
		Light gray to pink, strongly banded, quartz, feldspar, biotite, +/- garnet gneiss as above. Unit is non silicified equivalent of above gneiss unit.	146.00	147.50	1.50	FX 770084	55.	<5000.	<5.	TR	45
			147.50	149.00	1.50	FX 770085	<50.	<5000.	<5.	TR	45
			149.00	150.50	1.50	FX 770086	<50.	<5000.	<5.	TR	45
			150.50	152.52	2.02	FX 770087	<50.	<5000.	<5.	TR	45
		Foot of hole at 172.00	152.52	172.00	19.48	MS					

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

BOREHOLE : 72583-0
 PROJECT : AGATE
 PROPERTY NAME: AGATE
 Latitude : 9520.00N
 NTS/quad : 42-H-12
 Country : CANADA
 Prov./state : ONTARIO
 Twp/County : AGATE
 Claim # : P-1182279

Departure : 21000.00E
 Logged by : R. CLARK
 Drilled by : BRADLEY BROS. LIMITED
 Drill type : BOYLES 35A
 Core size : BQ
 Section :

Elevation : 10000.00m
 Assay req. : ZN, AG, AU+34 ELEMENTS
 Test Method : ACID ETCH TUBE
 Started : FEB. 1, 1993
 Completed : FEB. 3, 1993
 Grid name :

Hole length : 172.00m
 Level :
 Dip :
 BL azimuth : 090
 BH bearing : 180
 Heading :

PRINT DATE : 27-MAY-1993 14:27

DEVIATION RECORDS

depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	180.00	-50.00	10.00	-1.00	-52.00	40.00	-1.00	-47.00
100.00	-1.00	-50.00	130.00	-1.00	-46.00	172.00	-1.00	-46.00

COMMENTS : LEFT IN HOLE: 10 M BW CASING & SHOE, 1 M NW CASING & S
 CONDUCTOR FROM 129.1 TO 132.74
 CAUSED BY PO, PY, +/- MAGNETITE.
 CORE STORED AT COPPER CLIFF, ONT.

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	ZN	AG	AU	%MIN	CANG
m	m		m	m	m		PPM	PPB	PPB		
0.00	10.00	OVERBURDEN Sand, clay and boulder till.	0.00	10.00	10.00	NS					
10.00	63.00	GNEISS Light gray to green, medium	10.00	38.00	28.00	NS					

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

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	ZN PPM	AG PPB	AU PPB	%MIN	CANG
		grained, strongly banded, quartz (60%), feldspar (30 %), biotite (5 %) gneiss. Unit cntns minor almandine garnet throughout. Unit cut by occasional quartz, feldspar pegmatite dyklet throughout.	38.00	39.40	1.40	FX 770047	<50.	<5000.	<5.	tr	45
			39.40	40.82	1.42	FX 770048	68.	<5000.	<5.	TR-1	IREG
			40.82	42.16	1.34	FX 770049	71.	<5000.	<5.	6-8	IREG
			42.16	43.00	0.84	FX 770050	110.	<5000.	<5.	2-3	45
			43.00	44.30	1.30	FX 770051	150.	<5000.	<5.	1-2	45
			44.30	45.35	1.05	FX 770052	72.	<5000.	<5.	TR	IREG
		Mafic, dark coloured bands are locally strongly to moderately magnetic and contain 5 to 6% magnetite. Unit has an overall granular appearance. Core angle is highly variable ranging from 90 degree to 10 degree throughout unit.	45.35	63.00	17.65	NS					
		Unit contains occasional dark green amphibolite band throughout.									
		39.40 44.30 Unit mineralized with 3 to 5% pyrrhotite, pyrite throughout as blebs and stringers.									
		47.00 63.00 Very low core angles throughout (in the order of 10 to 15 degrees).									
		63.00 107.40 AMPHIBOLITE									
		Dark green, moderately magnetic, medium grained, moderately to strongly foliated, amphibolite. Unit contains occasional light pink granitic inclusions and dark green mafic inclusions giving the unit an overall clastic appearance.	63.00	106.40	43.40	NS					
		Unit mineralized with rare	106.40	107.40	1.00	FX 770053	61.	<5000.	<5.	TR	30

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

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	ZN PPM	AG PPB	AU PPB	%MIN	CANG
		speck pyrite throughout. Unit composed of 60% amphibole, 15 to 20% biotite, and minor quartz and feldspar.									
		107.40 112.35 IRON FORMATION									
		Light gray to white, very siliceous unit composed of 90% silica, 5 to 8% feldspar and minor biotite. Unit contains 1 to 3% magnetite throughout as fine disseminations to coarse clots to 2 centimetres diameter.	107.40	108.70	1.30	FX 770054	120.	<5000.	<5.	3-5	MASS
			108.70	109.90	1.20	FX 770055	<50.	<5000.	<5.	3-5	MASS
			109.90	110.70	0.80	FX 770056	<50.	<5000.	<5.	TR	MASS
			110.70	111.23	0.53	FX 770057	<50.	<5000.	<5.	TR	MASS
			111.23	112.35	1.12	FX 770058	120.	<5000.	<5.	TR	MASS
		112.35 115.55 PEGMATITE									
		Light pink to green, very coarse grained, quartz (60%), feldspar (30%), biotite (10%) pegmatite. Unit mineralized with 2% very fine grained disseminated pyrrhotite, pyrite throughout.	112.35	113.62	1.27	FX 770059	<50.	<5000.	<5.	TR	MASS
			113.62	114.74	1.12	FX 770060	<50.	<5000.	<5.	1-2	MASS
			114.74	115.55	0.81	FX 770061	<50.	<5000.	<5.	TR	MASS
		115.55 146.00 GNEISS									
		Light gray to buff, medium to fine grained, quartz, feldspar, biotite, garnet, gneiss as above. Unit mineralized with trace to 6% pyrrhotite, pyrite throughout as fine disseminations to coarse, 1 to 2 centimetre clots throughout.	115.55	116.68	1.13	FX 770062	91.	<5000.	<5.	TR	45
			116.68	117.50	0.82	FX 770063	58.	<5000.	<5.	1-2	I REG
			117.50	119.00	1.50	FX 770064	62.	<5000.	<5.	1-2	25-30
			119.00	120.50	1.50	FX 770065	87.	<5000.	<5.	1-2	I REG
			120.50	122.00	1.50	FX 770066	<50.	<5000.	<5.	TR	0
			122.00	123.50	1.50	FX 770067	<50.	<5000.	<5.	2-3	15
			123.50	125.00	1.50	FX 770068	<50.	<5000.	<5.	3-4	35
			125.00	126.50	1.50	FX 770069	130.	<5000.	<5.	4-5	45
			126.50	128.00	1.50	FX 770070	180.	<5000.	<5.	4-5	70
			128.00	129.10	1.10	FX 770071	82.	<5000.	<5.	5-6	5

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

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	ZN PPM	AG PPB	AU PPB	%MIN	CANG
		Interval appears to be pervasively silicified throughout. This represents the conductor.	129.10	130.50	1.40	FX 770072	68.	<5000.	10.	60	IREG
			130.50	131.51	1.01	FX 770073	<50.	<5000.	<5.	TR	40
			131.51	132.72	1.21	FX 770074	<50.	<5000.	6.	30	30
			132.72	134.00	1.28	FX 770075	50.	<5000.	<5.	3-4	70
			134.00	135.50	1.50	FX 770076	78.	<5000.	<5.	2-3	IREG
			135.50	137.00	1.50	FX 770077	120.	<5000.	<5.	4-5	IREG
			137.00	138.50	1.50	FX 770078	130.	<5000.	<5.	3-4	20
			138.50	140.00	1.50	FX 770079	200.	<5000.	<5.	4-5	55
			140.00	141.50	1.50	FX 770080	73.	<5000.	<5.	2-3	45
			141.50	143.00	1.50	FX 770081	160.	<5000.	<5.	2-3	20
			143.00	144.50	1.50	FX 770082	110.	<5000.	<5.	2-3	30
			144.50	146.00	1.50	FX 770083	110.	<5000.	<5.	1-2	40
146.00	172.00	GNEISS									
		Light gray to pink, strongly banded, quartz, feldspar, biotite, +/- garnet gneiss as above. Unit is non silicified equivalent of above gneiss unit.	146.00	147.50	1.50	FX 770084	55.	<5000.	<5.	TR	45
			147.50	149.00	1.50	FX 770085	<50.	<5000.	<5.	TR	45
			149.00	150.50	1.50	FX 770086	<50.	<5000.	<5.	TR	45
			150.50	152.52	2.02	FX 770087	<50.	<5000.	<5.	TR	45
		Foot of hole at 172.00	152.52	172.00	19.48	NS					

INCO EXPLORATION AND TECHNICAL SERVICES INC. DRILL LOG

BOREHOLE : 72584-0
 PROJECT : AGATE
 PROPERTY NAME: AGATE
 Latitude : 9300.00N
 NTS/Quad : 42-N-12
 Country : CANADA
 Prov./state : ONTARIO
 Twp/County : AGATE
 Claim # : P-1182278

PRINT DATE : 14-JUL-1994 11:58

Departure : 23600.00E
 Logged by : R. CLARK
 Drilled by : BRADLEY BROS. LIMITED,
 Drill type : BOYLES 35A
 Core size : BQ
 Section :

Elevation : 10000.00m
 Assay req. : ZN, AG, ALU-34 ELEMENTS
 Test Method : ACID ETCH TUBE
 Started : FEB. 3, 1993
 Completed : FEB. 5, 1993
 Grid name :

Hole length : 170.00m
 Level :
 Dip :
 BL azimuth : 090
 BH bearing : 180
 Heading :

DEVIATION RECORDS

depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	180.00	-50.00	34.00	-1.00	-50.00	64.00	-1.00	-50.00
124.00	-1.00	-51.00	170.00	-1.00	-52.00	94.00	-1.00	-50.00

COMMENTS : LEFT IN HOLE: ALL CASING REMOVED
 CONDUCTOR FROM 88.6 TO 91.00 CAUSED BY PO, PY.
 CORE STORED AT COPPER CLIFF, ONT.
 Core logged Feb.04/93 to Feb.06/93

T. J. Clark
J. R. Clark

FROM	TO	DESCRIPTION	ZN	AG	AU	PPM	PPB	PPB	PPB	%MIN	CANG
0.00	34.00	OVERBURDEN									

0.00 34.00 OVERBURDEN

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

FROM M	TO M	DESCRIPTION	LENGTH		SAMPLE#	ZN PPM	AG PPB	AU PPB	XMIN	CANG
			M	M						
0.00	34.00	Sandy clay and till.		34.00	NS					
34.00	37.80	37.80 GNEISS Dark gray to gray, strongly banded, medium to coarse grained, quartz (60%), biotite (20%), amphibolite (10%) feldspar (5%) gneiss.		3.80	NS					
37.80	40.80	40.80 PEGMATITE Light red to pink, very coarse grained, feldspar (65%), quartz (30%) biotite (5%) pegmatite.		3.00	NS					
40.80	120.65	120.65 GNEISS Dark gray to gray, strongly banded, medium to coarse grained, quartz, biotite, amphibolite feldspar gneiss as above. Darker mafic bands are locally strongly magnetic. Unit cut by numerous 1 centimetre to 5 centimetre light pink granitic stringers throughout. Unit cut by occasional bull white quartz stringer throughout. 54.50 62.00 Gneiss is strongly garnetiferous and mineralized with trace to 5% disseminated pyrrhotite, pyrite to semi-massive pyrite pyrrhotite at 57.8. 74.10 79.90 Gneiss mineralized with		10.60	NS	<50.	<5000.	<5.	tr	85
51.40	53.00			1.60	FX 770088	<50.	<5000.	<5.		
53.00	54.50			1.50	FX 770089	<50.	<5000.	<5.	TR	85
54.50	56.00			1.50	FX 770090	<50.	<5000.	<5.		
56.00	57.50			1.50	FX 770091	70.	<5000.	<5.	3-4	70
57.50	59.00			1.50	FX 770092	81.	<5000.	9.	75	IREG
59.00	60.50			1.50	FX 770093	75.	<5000.	<5.	TR-1	80-90
60.50	62.00			1.50	FX 770094	63.	<5000.	8.	4-5	90
62.00	63.50			1.50	FX 770095	94.	<5000.	<5.	TR	90
63.50	65.00			1.50	FX 770096	<50.	<5000.	<5.	TR	90
65.00	66.50			1.50	FX 770097	<50.	<5000.	<5.	TR	90
66.50	68.30			1.80	FX 770098	<50.	<5000.	<5.	TR	90
68.30	74.10			5.80	NS					
74.10	75.35			1.25	FX 770099	73.	<5000.	<5.	TR-1	80
75.35	76.50			1.15	FX 770100	82.	<5000.	10.	1-2	85
76.50	77.75			1.25	FX 770101	<50.	<5000.	7.	1-2	85

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

FROM M	TO M	DESCRIPTION	FROM M	TO M	LENGTH M	SAMPLE#	ZN PPM	AG PPB	AU PPB	XMIN	CANG
		trace to ZX pyrrhotite, pyrite disseminated throughout.	77.75	78.80	1.05	FX 770102	91.	<5000.	<5.	1-2	85
		88.60 91.00 Gneiss mineralized with 8 to 10% net textured pyrite, pyrrhotite throughout.	78.80	79.90	1.10	FX 770103	<50.	<5000.	<5.	TR-1	85
			79.90	85.70	5.80	NS					
			85.70	87.15	1.45	FX 770104	50.	<5000.	6.	TR-1	80
			87.15	88.60	1.45	FX 770105	130.	<5000.	16.	TR-1	50-90
			88.60	89.55	0.95	FX 770106	56.	<5000.	<5.	10-15	90
			89.55	90.15	0.60	FX 770107	77.	<5000.	9.	6-8	90
			90.15	91.30	1.15	FX 770108	95.	<5000.	<5.	1-2	80
			91.30	108.40	17.10	NS					
		108.40 112.30 Unit cut by numerous hairline to 20 centimetre gray white quartz veinlets. Interval mineralized with trace to 3% very fine grained disseminated pyrite, pyrrhotite concentrated on veinlet margins.	108.40	110.00	1.60	FX 770109	54.	<5000.	<5.	TR	80-90
			110.00	111.10	1.10	FX 770110	190.	<5000.	<5.	2-3	75-80
			111.10	112.30	1.20	FX 770111	120.	<5000.	<5.	TR	80
			112.30	114.00	1.70	FX 770112	190.	<5000.	<5.	TR	80-90
			114.00	120.65	6.65	NS					
		120.65 123.90 PEGMATITE									
		Light pink to red, massive, very coarse grained, feldspar, quartz, biotite pegmatite with minor biotite, amphibolite quartz, feldspar gneiss inclusions.	120.65	123.90	3.25	NS					
		123.90 131.55 GNEISS									
		Dark gray to gray, strongly banded, medium to coarse grained, quartz, biotite, amphibolite feldspar gneiss as above.	123.90	131.55	7.65	NS					
		131.55 133.25 PEGMATITE									
		Light pink to red, massive, very coarse grained, feldspar, quartz,	131.55	133.25	1.70	NS					

INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	ZN	AG	AU	MIN	CANG
m	m		m	m	m		PPM	PPB	PPB		
		biotite pegmatite with minor biotite, amphibolite quartz, feldspar.gneiss inclusions as above.									
133.25	142.17	142.17 GNEISS Dark gray to gray, strongly banded, medium to coarse grained, quartz, biotite, amphibolite feldspar gneiss as above.	133.25	142.17	8.92	NS					
142.17	146.30	146.30 PEGMATITE Light pink to red, massive, very coarse grained, feldspar, quartz, biotite pegmatite with minor biotite, amphibolite quartz, feldspar gneiss inclusions as above.	142.17	146.30	4.13	NS					
146.30	148.30	148.30 GNEISS Dark gray to gray, strongly banded, medium to coarse grained, quartz, biotite, amphibolite feldspar gneiss as above.	146.30	148.30	2.00	NS					
148.30	166.39	166.39 PEGMATITE Light pink to red, massive, very coarse grained, feldspar, quartz, biotite pegmatite with minor biotite, amphibolite quartz, feldspar gneiss inclusions as above.	148.30	154.00	5.70	NS					
			154.00	156.17	2.17	FX 770113	<50.	<5000.	<5.	TR	MASS
			156.17	156.93	0.76	FX 770114	58.	<5000.	<5.	3-5	MASS
			156.93	158.87	1.94	FX 770115	<50.	<5000.	<5.	TR	MASS
			158.87	159.90	1.03	FX 770116	61.	<5000.	<5.	TR	MASS
			159.90	166.39	6.49	NS					
166.39	170.00	170.00 GNEISS									

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

FROM M	TO M	DESCRIPTION	FROM M	TO M	LENGTH M	SAMPLE#	ZN PPM	AG PPB	AU PPB	XMIN	CANG
		Dark green to green, strongly foliated, strongly garnetiferous amphibolite as above.	99.70	100.70	1.00	FX 770179	120.	<5000.	<5.	3-4	I REG
		99.70 100.70 Amphibolite mineralized with 3 to 4% blebby pyrrhotite, pyrite throughout.	100.70	107.00	6.30	NS					
		107.00 128.00 GNEISS									
		Light gray to gray, strongly banded, medium to coarse grained, quartz, feldspar, biotite +/- garnet, gneiss as above.	107.00	120.00	13.00	NS					
			120.00	128.00	8.00	NS					
		128.00 134.60 AMPHIBOLITE									
		Dark green to green, strongly foliated, strongly garnetiferous amphibolite as above.	128.00	129.60	1.60	NS					
			129.60	130.68	1.08	FX 770180	150.	<5000.	<5.	TR	85
			130.68	131.80	1.12	FX 770181	190.	<5000.	<5.	TR	85
		131.80 134.60 Lower contact with gneiss mineralized with 2 to 4% blebby pyrrhotite and pyrite throughout.	131.80	132.95	1.15	FX 770182	150.	<5000.	<5.	2-3	85
			132.95	134.60	1.65	FX 770183	150.	<5000.	31.	3-4	85
		134.60 149.00 GNEISS									
		Light gray to gray, strongly banded, medium to coarse grained, quartz, feldspar, biotite +/- garnet, gneiss as above.	134.60	135.50	0.90	FX 770184	98.	<5000.	<5.	TR	85
			135.50	137.00	1.50	FX 770185	<50.	<5000.	<5.	TR-1	85
			137.00	138.50	1.50	FX 770186	82.	<5000.	<5.	TR	85
			138.50	139.76	1.26	FX 770187	81.	<5000.	8.	4-5	85
		Foot of hole at 149.00 metres	139.76	140.80	1.04	FX 770188	140.	<5000.	<5.	2-4	85
			140.80	149.00	8.20	NS					



INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG

BOREHOLE : 72587-0
 PROJECT : AGATE
 PROPERTY NAME: AGATE
 Latitude : 9517.00N
 NTS/Quad : 42-H-12
 Country : CANADA
 Prov./state : ONTARIO
 Twp/County : AGATE
 Claim # : P-1182288

Departure : 13600.00E
 Logged by : R. CLARK
 Drilled by : BRADLEY BROS. LIMITED
 Drill type : BOYLES 35A
 Core size : Bq
 Section :

Elevation : 10000.00m
 Assay req. : ZN, AG, AU+34 ELEMENTS
 Test Method : ACID ETCH TUBE
 Started : FEB. 12, 1993
 Completed : FEB. 14, 1993
 Grid name :

PRINT DATE : 27-MAY-1993 14:29
 Hole length : 149.00m
 Level :
 Dip :
 BL azimuth : 090
 BH bearing : 180
 Heading :

DEVIATION RECORDS

depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	180.00	-50.00	37.00	-1.00	-51.00	67.00	-1.00	-50.00
149.00	-1.00	-48.00				97.00	-1.00	-49.00

COMMENTS : LEFT IN HOLE: 37 METRES BW CASING AND SHOE
 CONDUCTOR FROM 42.5 TO 72.00
 CAUSED BY PO, PY, +/- GRAPHITE.
 CORE STORED AT COPPER CLIFF, ONT.

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	ZN	AG	AU	%MIN	CANG
m	m		m	m	m		PPM	PPB	PPB		
0.00	37.00	OVERBURDEN	0.00	37.00	37.00	NS					
		Sandy clay and boulder till.									
37.00	52.40	GNEISS	37.00	39.30	2.30	FX 770138	200.	<5000.	<5.	TR	35
		Light gray to gray, medium									

INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	ZN PPM	AG PPB	AU PPB	%MIN	CANG
		to fine grained, strongly banded quartz (60 %), feldspar (30 %), amphibolite (10 %) gneiss. Unit is cut by numerous 3 to 20 centimetre quartz, feldspar, pegmatite veinlets throughout. Unit mineralized with trace to 1% very fine grained disseminated pyrrhotite as streaks parallel to gneissic banding. Pyrrhotite rich bands are moderately to strongly magnetic.	39.50	41.00	1.70	FX 770139	140.	<5000.	<5.	TR	40
			41.00	42.50	1.50	FX 770140	170.	<5000.	<5.	1-2	45
			42.50	44.40	1.90	FX 770141	320.	<5000.	<5.	6-8	IREG
			44.40	45.95	1.55	FX 770142	260.	<5000.	<5.	65	MASS
			45.95	46.92	0.97	FX 770143	1500.	<5000.	<5.	2-3	55
			46.92	48.08	1.16	FX 770144	6500.	<5000.	<5.	6-8	45
			48.08	49.30	1.22	FX 770145	2400.	<5000.	<5.	6-8	IREG
			49.30	50.36	1.06	FX 770146	3300.	<5000.	<5.	15-20	IREG
			50.36	51.50	1.14	FX 770147	2200.	<5000.	<5.	10-12	IREG
			51.50	52.40	0.90	FX 770148	6300.	<5000.	<5.	6-8	IREG
		42.50 52.40 Gneiss cut by bands of massive pyrrhotite with minor pyrite ranging in width from 5 to 50 centimetre. Sulfide band contain 10 to 15% rounded gray white quartz inclusions from 1 millimetre to 1 centimetre diameter. Gneissic portions of mineralized zone are very siliceous relative to the above interval from 37.00 to 52.40. Trace blebby dark brown sphalerite at 50.60.									
			52.40	53.95	1.55	FX 770149	1400.	<5000.	<5.	5-6	75
			53.95	55.15	1.20	FX 770150	2300.	<5000.	<5.	4-5	55
			55.15	56.00	0.85	FX 770151	1300.	<5000.	<5.	4-5	55
			56.00	57.50	1.50	FX 770152	1400.	<5000.	<5.	4-5	55
			57.50	59.00	1.50	FX 770153	1200.	<5000.	<5.	4-5	55
			59.00	60.50	1.50	FX 770154	1400.	<5000.	<5.	4-5	55
			60.50	62.00	1.50	FX 770155	1700.	<5000.	<5.	4-5	55
			62.00	63.50	1.50	FX 770156	1600.	<5000.	14.	4-5	55
			63.50	64.35	0.85	FX 770157	1900.	<5000.	7.	4-5	55

52.40 65.60 GRAPHITIC SCHIST

Light gray to gray, strongly foliated, graphitic schist. Unit composed of 5 to 10% quartz, 15 to 25% feldspar and 70 to 90% graphite. Unit mineralized with 4 to 5% disseminated pyrite and pyrrhotite throughout.

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

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	ZN PPM	AG PPB	AU PPB	XMIN	CANG
		feldspar and 70 to 90% graphite. Unit mineralized with 4 to 5% disseminated pyrite and pyrrhotite throughout.	56.00	57.50	1.50	FX 770152	1400.	<5000.	<5.	4-5	55
			57.50	59.00	1.50	FX 770153	1200.	<5000.	<5.	4-5	55
			59.00	60.50	1.50	FX 770154	1400.	<5000.	<5.	4-5	55
			60.50	62.00	1.50	FX 770155	1700.	<5000.	<5.	4-5	55
			62.00	63.50	1.50	FX 770156	1600.	<5000.	14.	4-5	55
			63.50	64.35	0.85	FX 770157	1900.	<5000.	7.	4-5	55
			64.35	65.60	1.25	FX 770158	1700.	<5000.	10.	5-8	55
65.60	69.60	GNEISS Light gray to gray, quartz, feldspar, biotite unit as above. Unit has a massive appearance and is mineralized with 2 to 5% disseminated to blebby pyrite with minor pyrrhotite throughout. Upper contact and lower contact with graphitic schist are knife sharp and a 80 to 90 degree to core axis.	65.60	66.90	1.30	FX 770159	160.	<5000.	7.	3-5	55
			66.90	68.23	1.33	FX 770160	220.	<5000.	<5.	2-3	55
			68.23	69.60	1.37	FX 770161	120.	<5000.	<5.	5-7	55
69.60	72.00	GRAPHITIC SCHIST Light gray to gray, strongly foliated, graphitic schist. Unit composed of 5 to 10% quartz, 15 to 25% feldspar and 70 to 90% graphite. Unit mineralized with 4 to 5% disseminated pyrite and pyrrhotite throughout to locally semi-massive sections. 71.00 72.00 15 to 20% Semi massive pyrrhotite, pyrite with trace blebby, dark brown sphalerite.	69.60	71.00	1.40	FX 770162	880.	<5000.	<5.	5-7	55
			71.00	72.00	1.00	FX 770163	4500.	<5000.	11.	15-20	55
72.00	86.62	GNEISS									

INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG

FROM M	TO M	DESCRIPTION	FROM M	TO M	LENGTH M	SAMPLE#	ZN PPM	AG PPB	AU PPB	XMIN	CANG	
72.00	74.00	<p>Light gray to gray, quartz (50 %), feldspar (30 %), biotite (10 %) unit. Unit has a massive appearance and is mineralized with 2 to 5% disseminated to blebby pyrite with minor pyrrhotite throughout. Upper contact and lower contact with graphitic schist are knife sharp and at 80 to 90 degree to core axis. Occasional 2 to 15 centimetre band of massive to semi-massive pyrrhotite, pyrite throughout. Sulfides appear to be late, fracture fillings.</p>	72.00	74.00	2.00	FX 770164	370.	<5000.	<5.	TR-1	MASS	
74.00	75.50		74.00	75.50	1.50	FX 770165	120.	<5000.	<5.	TR	MASS	
75.50	77.00		75.50	77.00	1.50	FX 770166	100.	<5000.	<5.	TR	MASS	
77.00	78.50		77.00	78.50	1.50	FX 770167	290.	<5000.	<5.	6-8	80	
78.50	80.00		78.50	80.00	1.50	FX 770168	620.	<5000.	<5.	TR	90	
80.00	81.50		80.00	81.50	1.50	FX 770169	810.	<5000.	<5.	TR	90	
81.50	83.70		81.50	83.70	2.20	FX 770170	270.	<5000.	<5.	TR	90	
83.70	86.62		83.70	86.62	2.92	MS						
86.62	89.40		<p>Dark green to green, strongly foliated, strongly garnetiferous amphibolite. Unit contains locally 55 to 60% dark red almandine garnet throughout. Unit is mineralized with trace very fine grained disseminated pyrrhotite, pyrite throughout.</p>	86.62	89.40	2.78	MS					
89.40	90.50			89.40	90.50	1.10	FX 770171	110.	<5000.	<5.	TR	90
90.50	92.00	90.50		92.00	1.50	FX 770172	120.	<5000.	<5.	TR	90	
92.00	93.10	92.00		93.10	1.10	FX 770173	120.	<5000.	<5.	TR	90	
93.10	94.26	93.10		94.26	1.16	FX 770174	80.	<5000.	<5.	TR	90	
94.26	95.55	94.26		95.55	1.29	FX 770175	140.	<5000.	<5.	TR	80-90	
95.55	96.85	95.55		96.85	1.30	FX 770176	120.	<5000.	<5.	TR	80	
96.85	98.00	96.85		98.00	1.15	FX 770177	160.	<5000.	<5.	TR	50	
98.00	99.70	98.00		99.70	1.70	FX 770178	130.	<5000.	<5.	TR	60-80	
99.70	107.00	99.70		107.00								

INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	ZN PPM	AG PPB	AU PPB	%MIN	CANG
107.00	128.00	GNEISS Light gray to gray, strongly banded, medium to coarse grained, quartz, feldspar, biotite +/- garnet, gneiss as above.	107.00	120.00	13.00	NS				-	-
120.00	128.00		120.00	128.00	8.00	NS				-	-
128.00	134.60	AMPHIBOLITE Dark green to green, strongly foliated, strongly garnetiferous amphibolite as above.	128.00	129.60	1.60	NS				-	-
129.60	130.68		129.60	130.68	1.08	FX 770180	150.	<5000.	<5.	TR	85
130.68	131.80		130.68	131.80	1.12	FX 770181	190.	<5000.	<5.	TR	85
131.80	134.60	Lower contact with gneiss mineralized with 2 to 4% blebby pyrrhotite and pyrite throughout.	131.80	132.95	1.15	FX 770182	150.	<5000.	<5.	2-3	85
132.95	134.60		132.95	134.60	1.65	FX 770183	150.	<5000.	31.	3-4	85
134.60	149.00	GNEISS Light gray to gray, strongly banded, medium to coarse grained, quartz, feldspar, biotite +/- garnet, gneiss as above.	134.60	135.50	0.90	FX 770184	98.	<5000.	<5.	TR	85
135.50	137.00		135.50	137.00	1.50	FX 770185	<50.	<5000.	<5.	TR-1	85
137.00	138.50		137.00	138.50	1.50	FX 770186	82.	<5000.	<5.	TR	85
138.50	139.76		138.50	139.76	1.26	FX 770187	81.	<5000.	8.	4-5	85
139.76	140.80	Foot of hole at 149.00 metres	139.76	140.80	1.04	FX 770188	140.	<5000.	<5.	2-4	85
140.80	149.00		140.80	149.00	8.20	NS				-	-



INCO EXPLORATION AND TECHNICAL SERVICES INC. DRILL LOG

PRINT DATE : 14-JUL-1994 11:58

BOREHOLE : 72567-0
 PROJECT : AGATE
 PROPERTY NAME: AGATE
 Latitude : 9517.00N
 NTS/Quad : 42-N-12
 Country : CANADA
 Prov./state : ONTARIO
 Twp/Country : AGATE
 Claim # : P-1182288

Departure : 13600.00E
 Logged by : R. CLARK
 Drilled by : BRADLEY BROS. LIMITED
 Drill type : BOYLES 35A
 Core size : 80
 Section :

Elevation : 10000.00m
 Assay req. : ZN, AG, AU+34 ELEMENTS
 Test Method : ACID ETCH TUBE
 Started : FEB. 12, 1993
 Completed : FEB. 14, 1993
 Grid name :

Hole length : 149.00m
 Level :
 Dip :
 BL azimuth : 090
 BH bearing : 180
 Heading :

DEVIATION RECORDS

depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	180.00	-50.00	37.00	-1.00	-51.00	67.00	-1.00	-50.00
149.00	-1.00	-48.00				97.00	-1.00	-49.00

COMMENTS :
 LEFT IN HOLE: 37 METRES BY CASING AND SHOE
 CONDUCTOR FROM 42.5 TO 72.00
 CAUSED BY PO, PY, +/- GRAPHITE.
 CORE STORED AT COPPER CLIFF, ONT.
 Core logged Feb.13/93 to Feb.15/93

*J. Clark
for R. Clark*

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	ZN	AG	AU	MIN	CANG
M	M		M	M	M		PPM	PPB	PPB		
0.00	37.00	OVERBURDEN									

INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	ZN	AG	AU	MIN	CANG
			m	m	m		PPM	PPB	PPB		
		Sandy clay and boulder fill.	0.00	37.00	37.00	NS					
37.00 52.40 GNEISS											
		Light grey to grey, medium to fine grained, strongly banded quartz (60 %), feldspar (30 %), amphibolite (10 %) gneiss. Unit is cut by numerous 3 to 20 centimetre quartz, feldspar, pegmatite veinlets throughout. Unit mineralized with trace to 1% very fine grained disseminated pyrrhotite as streaks parallel to gneissic banding. Pyrrhotite rich bands are moderately to strongly magnetic.	37.00	39.30	2.30	FX 770138	200.	<5000.	<5.	TR	35
			39.30	41.00	1.70	FX 770139	140.	<5000.	<5.	TR	40
			41.00	42.50	1.50	FX 770140	170.	<5000.	<5.	1-2	45
			42.50	44.40	1.90	FX 770141	320.	<5000.	<5.	6-6	IREG
			44.40	45.95	1.55	FX 770142	260.	<5000.	<5.	65	MASS
			45.95	46.92	0.97	FX 770143	1500.	<5000.	<5.	2-3	55
			46.92	48.08	1.16	FX 770144	6500.	<5000.	<5.	6-8	45
			48.08	49.30	1.22	FX 770145	2400.	<5000.	<5.	6-8	IREG
			49.30	50.36	1.06	FX 770146	3300.	<5000.	<5.	15-20	IREG
			50.36	51.50	1.14	FX 770147	2200.	<5000.	<5.	10-12	IREG
			51.50	52.40	0.90	FX 770148	6300.	<5000.	<5.	6-8	IREG
		42.50 52.40 Gneiss cut by bands of massive pyrrhotite with minor pyrite ranging in width from 5 to 50 centimetre. Sulfide band contain 10 to 15% rounded gray white quartz inclusions from 1 millimetre to 1 centimetre diameter. Gneissic portions of mineralized zone are very siliceous relative to the above interval from 37.00 to 52.40. Trace blebby dark brown sphalerite at 50.60.									
52.40 65.60 GRAPHITIC SCHIST											
		Light grey to grey, strongly foliated, graphitic schist. Unit composed of 5 to 10% quartz, 15 to 25%	52.40	53.95	1.55	FX 770149	1400.	<5000.	<5.	5-6	75
			53.95	55.15	1.20	FX 770150	2300.	<5000.	<5.	4-5	55
			55.15	56.00	0.85	FX 770151	1300.	<5000.	<5.	4-5	55

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

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	ZN PPM	AG PPB	AU PPB	%MIN	CANG
65.60	69.60	GNEISS Light gray to gray, quartz, feldspar, biotite unit as above. Unit has a massive appearance and is mineralized with 2 to 5% disseminated to blebby pyrite with minor pyrrhotite throughout. Upper contact and lower contact with graphitic schist are knife sharp and a 80 to 90 degree to core axis.	64.35	65.60	1.25	FX 770158	1700.	<5000.	10.	5-8	55
65.60	66.90		65.60	66.90	1.30	FX 770159	160.	<5000.	7.	3-5	55
66.90	68.23		66.90	68.23	1.33	FX 770160	220.	<5000.	<5.	2-3	55
68.23	69.60		68.23	69.60	1.37	FX 770161	120.	<5000.	<5.	5-7	55
69.60	71.00		69.60	71.00	1.40	FX 770162	880.	<5000.	<5.	5-7	55
71.00	72.00		71.00	72.00	1.00	FX 770163	4500.	<5000.	11.	15-20	55
72.00	86.62	GNEISS Light gray to gray, quartz (50 %), feldspar (30 %), biotite (10 %) unit. Unit has a massive appearance and is mineralized with 2 to 5% disseminated to blebby pyrite with	72.00	74.00	2.00	FX 770164	370.	<5000.	<5.	TR-1	MASS
			74.00	75.50	1.50	FX 770165	120.	<5000.	<5.	TR	MASS
			75.50	77.00	1.50	FX 770166	100.	<5000.	<5.	TR	MASS
			77.00	78.50	1.50	FX 770167	290.	<5000.	<5.	6-8	80
			78.50	80.00	1.50	FX 770168	620.	<5000.	<5.	TR	90
			80.00	81.50	1.50	FX 770169	810.	<5000.	<5.	TR	90
72.00	74.00		72.00	74.00	2.00	FX 770164	370.	<5000.	<5.	TR-1	MASS
74.00	75.50		74.00	75.50	1.50	FX 770165	120.	<5000.	<5.	TR	MASS
75.50	77.00		75.50	77.00	1.50	FX 770166	100.	<5000.	<5.	TR	MASS
77.00	78.50		77.00	78.50	1.50	FX 770167	290.	<5000.	<5.	6-8	80
78.50	80.00		78.50	80.00	1.50	FX 770168	620.	<5000.	<5.	TR	90
80.00	81.50		80.00	81.50	1.50	FX 770169	810.	<5000.	<5.	TR	90

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

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	ZN PPM	AG PPB	AU PPB	%MIN	CANG
		minor pyrrhotite throughout. Upper contact and lower contact with graphitic schist are knife sharp and at 80 to 90 degree to core axis. Occasional 2 to 15 centimetre band of massive to semi-massive pyrrhotite, pyrite throughout. Sulfides appear to be late, fracture fillings.	81.50	83.70	2.20	FX 770170	270.	<5000.	<5.	TR	90
			83.70	86.62	2.92	NS					
		86.62 94.26 AMPHIBOLITE									
		Dark green to green, strongly foliated, strongly garnetiferous amphibolite. Unit contains locally 55 to 60% dark red almandine garnet throughout. Unit is mineralized with trace very fine grained disseminated pyrrhotite, pyrite throughout.	86.62	89.40	2.78	NS					
			89.40	90.50	1.10	FX 770171	110.	<5000.	<5.	TR	90
			90.50	92.00	1.50	FX 770172	120.	<5000.	<5.	TR	90
			92.00	93.10	1.10	FX 770173	120.	<5000.	<5.	TR	90
			93.10	94.26	1.16	FX 770174	80.	<5000.	<5.	TR	90
		94.26 99.70 GNEISS									
		Light gray to gray, strongly banded, medium to coarse grained, quartz, feldspar, biotite +/- garnet, gneiss as above.	94.26	95.55	1.29	FX 770175	140.	<5000.	<5.	TR	80-90
			95.55	96.85	1.30	FX 770176	120.	<5000.	<5.	TR	80
			96.85	98.00	1.15	FX 770177	160.	<5000.	<5.	TR	50
			98.00	99.70	1.70	FX 770178	130.	<5000.	<5.	TR	60-80
		99.70 107.00 AMPHIBOLITE									
		Dark green to green, strongly foliated, strongly garnetiferous amphibolite as above.	99.70	100.70	1.00	FX 770179	120.	<5000.	<5.	3-4	I REG
		99.70 100.70 Amphibolite mineralized with 3 to 4% blebby pyrrhotite, pyrite throughout.	100.70	107.00	6.30	NS					

INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG

BOREHOLE : 72586-0
 PROJECT : AGATE
 PROPERTY NAME: AGATE
 Latitude : 10730.00N
 NTS/Quad : 42-H-12
 Country : CANADA
 Prov./state : ONTARIO
 Twp/County : AGATE
 Claim # : P-1182289

Departure : 14100.00E
 Logged by : R. CLARK
 Drilled by : BRADLEY BROS. LIMITED
 Drill type : BOYLES 35A
 Core size : Bq
 Section :

Elevation : 10000.00m
 Assay req. : ZN, AG, AU*34 ELEMENTS
 Test Method : ACID ETCH TUBE
 Started : FEB. 10, 1993
 Completed : FEB. 12, 1992
 Grid name :

Hole length : 140.00m
 Level :
 Dip :
 BL azimuth : 090
 BH bearing : 180
 Heading :

PRINT DATE : 27-MAY-1993 14:29

DEVIATION RECORDS

depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	180.00	-50.00	13.00	-1.00	-50.00	43.00	-1.00	-51.00
103.00	-1.00	-50.00	131.00	-1.00	-50.00	73.00	-1.00	-50.00

COMMENTS : LEFT IN HOLE: ALL CASING PULLED
 CONDUCTOR FROM 42.5 TO 48.5 & 59.0 TO 64.37
 CAUSED BY PO, PY.
 CORE STORED AT COPPER CLIFF, ONT.

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	ZN	AG	AU	%MIN	CANG
m	m		m	m	m		PPM	PPB	PPB		

0.00 13.00 OVERBURDEN
 Sand and boulder till.

13.00 64.37 GNEISS
 Light gray to gray, strongly
 banded, locally moderately magnetic,

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

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	ZN PPM	AG PPB	AU PPB	%MIN	CANG
		quartz (40 %), feldspar (30%), amphibolite (20%), biotite, +/- garnet gneiss.	42.50	44.00	1.50	FX 770190	170.	<5000.	<5.	-	-
			44.00	45.50	1.50	FX 770191	180.	<5000.	31.	-	-
			45.50	47.00	1.50	FX 770192	310.	<5000.	8.	-	-
		42.50 48.50 Interval moderately silicified, and contains trace light green, very fine grained mineral, possibly gahnite.	47.00	48.50	1.50	FX 770193	2200.	16000.	25.	-	-
		Interval mineralized with 2 to 6% blebby pyrite, pyrrhotite, throughout. Possibly the conductor.	48.50	50.00	1.50	FX 770194	230.	<5000.	<5.	-	-
			50.00	51.50	1.50	FX 770195	100.	<5000.	<5.	-	-
			51.50	53.00	1.50	FX 770196	160.	<5000.	<5.	-	-
			53.00	54.50	1.50	FX 770197	130.	<5000.	<5.	-	-
			54.50	56.00	1.50	FX 770198	150.	<5000.	<5.	-	-
			56.00	57.50	1.50	FX 770199	190.	<5000.	7.	-	-
		51.50 56.00 Gneiss cut by numerous 1 to 5 centimetre gray white irregular bull quartz stringer throughout.	57.50	59.00	1.50	FX 770200	160.	<5000.	<5.	-	-
			59.00	60.27	1.27	FX 770201	220.	<5000.	13.	-	-
			60.27	61.50	1.23	FX 770202	330.	<5000.	9.	-	-
		59.00 64.37 Gneiss contains 15 to 25% granitic pegmatite as irregular bands and veinlets. Interval mineralized with 2 to 6% blebby pyrite, pyrrhotite throughout. Possibly the conductor.	61.50	62.45	0.95	FX 770203	340.	<5000.	9.	-	-
			62.45	63.50	1.05	FX 770204	290.	<5000.	12.	-	-
			63.50	64.37	0.87	FX 770205	270.	<5000.	<5.	-	-
			64.37	65.40	1.03	FX 770206	140.	<5000.	<5.	-	-
			65.40	66.50	1.10	FX 770207	<50.	<5000.	<5.	-	-
			66.50	68.00	1.50	FX 770208	120.	<5000.	5.	-	-
			68.00	69.50	1.50	FX 770209	<50.	<5000.	<5.	-	-
		Upper contact with gneiss is transitional over 25 centimetre.	69.50	74.40	4.90	NS				-	-
		64.37 68.00 Pegmatite mineralized with trace to 1% blebby pyrite, pyrrhotite throughout.	74.40	135.22	60.82	NS				-	-

64.37 74.40 PEGMATITE

Light green to pink, very
coarse grained, massive, feldspar
(40%), quartz (30%), biotite (10%)
pegmatite.

Upper contact with gneiss is
transitional over 25 centimetre.

64.37 68.00 Pegmatite mineralized with
trace to 1% blebby pyrite, pyrrhotite
throughout.

74.40 135.22 MIGMATITE

Light green gray to pink,

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

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	ZN PPM	AG PPB	AU PPB	%MIN	CANG
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massive to foliated, locally strongly contorted granitic pegmatite.

Unit composed of contorted quartz (20%), feldspar (20%), biotite (10%) gneiss with 25 to 30% light pink, coarse grained granitic mobilizate.

135.22 140.00 DIABASE

Dark gray to black, very fine grained to aphanitic, moderately to strongly magnetic diabase.

Foot of hole at 149.0 metres.

135.22 140.00 4.78 NS

INCO EXPLORATION AND TECHNICAL SERVICES INC. DRILL LOG

BOREHOLE : 72586-0
 PROJECT : AGATE
 PROPERTY NAME: AGATE
 Latitude : 10730.00M
 NTS/Quad : 42-H-12
 Country : CANADA
 Prov./state : ONTARIO
 Twp/County : AGATE
 Claim # : P-1182289

Departure : 14100.00E
 Logged by : R. CLARK
 Drilled by : BRADLEY BROS. LIMITED
 Drill type : BOYLES 35A
 Core size : BQ
 Section :

Elevation : 10000.00m
 Assay req. : ZN, AG, AU+34 ELEMENTS
 Test Method : ACID ETCH TUBE
 Started : FEB. 10, 1993
 Completed : FEB. 12, 1992
 Grid name :

Hole length : 140.00m
 Level :
 Dip :
 BL azimuth : 090
 BH bearing : 180
 Heading :

PRINT DATE : 14-JUL-1994 11:58

DEVIATION RECORDS

depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	180.00	-50.00	13.00	-1.00	-50.00	43.00	-1.00	-51.00
103.00	-1.00	-50.00	131.00	-1.00	-50.00	73.00	-1.00	-50.00

COMMENTS: LEFT IN HOLE: ALL CASING PULLED
 CONDUCTOR FROM 42.5 TO 48.5 & 59.0 TO 64.37
 CAUSED BY PQ, PY.
 CORE STORED AT COPPER CLIFF, ONT.
 Core logged Feb.11/93 to Feb.13/93

Handwritten signature: J. R. Clark

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	ZN	AG	AU	XM1N	CANG
m	m		m	m	m		PPM	PPB	PPB		

0.00 13.00 OVERBURDEN

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

FROM M	TO M	DESCRIPTION	FROM M	TO M	LENGTH M	SAMPLE#	ZN PPM	AG PPB	AU PPB	MIN	CANG
0.00	13.00	Sand and boulder till.	13.00	41.30	28.30	NS					
13.00	64.37	GNEISS Light gray to gray, strongly banded, locally moderately magnetic, quartz (40%), feldspar (30%), amphibolite (20%), biotite, +/- garnet gneiss.	13.00	41.30	28.30	NS					
41.30	42.50		41.30	42.50	1.20	FX 770189	240.	<5000.	<5.		
42.50	44.00		42.50	44.00	1.50	FX 770190	170.	<5000.	<5.		
44.00	45.50		44.00	45.50	1.50	FX 770191	180.	<5000.	31.		
45.50	47.00		45.50	47.00	1.50	FX 770192	310.	<5000.	8.		
47.00	48.50		47.00	48.50	1.50	FX 770193	2200.	16000.	25.		
48.50	50.00		48.50	50.00	1.50	FX 770194	230.	<5000.	<5.		
50.00	51.50		50.00	51.50	1.50	FX 770195	100.	<5000.	<5.		
51.50	53.00		51.50	53.00	1.50	FX 770196	160.	<5000.	<5.		
53.00	54.50		53.00	54.50	1.50	FX 770197	130.	<5000.	<5.		
54.50	56.00		54.50	56.00	1.50	FX 770198	150.	<5000.	<5.		
56.00	57.50		56.00	57.50	1.50	FX 770199	190.	<5000.	7.		
57.50	59.00		57.50	59.00	1.50	FX 770200	160.	<5000.	<5.		
59.00	60.27		59.00	60.27	1.27	FX 770201	220.	<5000.	13.		
60.27	61.50		60.27	61.50	1.23	FX 770202	330.	<5000.	9.		
61.50	62.45		61.50	62.45	0.95	FX 770203	340.	<5000.	9.		
62.45	63.50		62.45	63.50	1.05	FX 770204	290.	<5000.	12.		
63.50	64.37		63.50	64.37	0.87	FX 770205	270.	<5000.	<5.		
64.37	65.40		64.37	65.40	1.03	FX 770206	140.	<5000.	<5.		
65.40	66.50		65.40	66.50	1.10	FX 770207	<50.	<5000.	<5.		
66.50	68.00		66.50	68.00	1.50	FX 770208	120.	<5000.	5.		
68.00	69.50		68.00	69.50	1.50	FX 770209	<50.	<5000.	<5.		
69.50	74.40		69.50	74.40	4.90	MS					
64.37	74.40	PEGMATITE Light green to pink, very coarse grained, massive, feldspar (40%), quartz (30%), biotite (10%) pegmatite. Upper contact with gneiss is transitional over 25 centimetre.	64.37	74.40	4.90	MS					

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

FROM M	TO M	LENGTH M	SAMPLE#	ZN PPM	AG PPB	AU PPB	XMIN	CANG
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64.37 68.00 Pegmatite mineralized with trace to 1% blebby pyrite, pyrrhotite throughout.

74.40 135.22 MIGMATITE

74.40 135.22 60.82 NS

Light green gray to pink, massive to foliated, locally strongly contorted granitic pegmatite.

Unit composed of contorted quartz (20%), feldspar (20%), biotite (10%) gneiss with 25 to 30% light pink, coarse grained granitic mobilizate.

135.22 140.00 DIABASE

135.22 140.00 4.78 NS

Dark gray to black, very fine grained to aphanitic, moderately to strongly magnetic diabase.

Foot of hole at 149.0 metres.



INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG

BOREHOLE : 72585-0
 PROJECT : AGATE
 PROPERTY NAME: AGATE
 Latitude : 9715.00N
 NTS/quad : 42-H-12
 Country : CANADA
 Prov./state : ONTARIO
 Twp/County : AGATE
 Claim # : P-1182287

Departure : 14300.00E
 Logged by : R. CLARK
 Drilled by : BRADLEY BROS. LIMITED
 Drill type : BOYLES 35A
 Core size : Bq
 Section :

Elevation : 10000.00m
 Assay req. : ZN, AG, AU+34 ELEMENTS
 Test Method : ACID ETCH TUBE
 Started : FEB. 9, 1993
 Completed : FEB. 10, 1993
 Grid name :

PRINT DATE : 27-MAY-1993 14:29
 Hole length : 155.00m
 Level :
 Dip :
 BL azimuth : 090
 BH bearing : 180
 Heading :

DEVIATION RECORDS

depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	180.00	-50.00	22.00	-1.00	-53.50	53.00	-1.00	-52.00
112.00	-1.00	-51.00	155.00	-1.00	-51.00	83.00	-1.00	-51.50

COMMENTS : LEFT IN HOLE: 22 METRES BW CASING AND SHOE
 CONDUCTOR NOT EXPLAINED.
 CORE STORED AT COPPER CLIFF, ONT.

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	ZN	AG	AU	%MIN	CANG
m	m		m	m	m		PPM	PPB	PPB		
0.00	22.00	OVERBURDEN Sand and boulder till.	0.00	22.00	22.00	NS					
22.00	35.35	AMPHIBOLITE Dark gray to black, massive to strongly foliated, garnetiferous, biotite amphibolite.	22.00	35.35	13.35	NS					

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

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	ZN PPM	AG PPB	AU PPB	%MIN	CANG
		Unit cut by numerous 1 centimetre to 15 centimetre gray white to green, quartz feldspar pegmatite dyklets throughout. Amphibolite contains 5 to 15% light red almandine garnets throughout ranging in size from 1 to 3 millimetre. Unit contains 10 to 35% coarse biotite booklets throughout.									
		35.35 38.10 PEGMATITE									
		Light green to gray, very coarse grained, massive, quartz (45%), feldspar (40%), biotite (10%) pegmatite.	35.35	38.10	2.75	NS					
		Unit contains 3 to 8% light red to pink, almandine garnet throughout as 1 millimetre to 1 centimetre clots.									
		38.10 155.00 GNEISS									
		Dark gray to gray, moderately to strongly banded, quartz (30%), feldspar (30%), biotite (10%) amphibolite (10%) gneiss.	38.10	39.10	1.00	NS					
		Unit is cut by numerous 1 centimetre to 20 centimetre quartz, feldspar, biotite, pegmatite dyklets throughout.	39.10	39.95	0.85	FX 770210	150.	<5000.	<5.	TR	I REG
		Trace disseminated pyrrhotite, pyrite associated with pegmatites from 41.00 to 44.00 metres.	39.95	41.00	1.05	FX 770211	110.	<5000.	<5.	TR	75
		Foot of hole at 155.00	41.00	42.50	1.50	FX 770212	170.	<5000.	<5.	TR	75
			42.50	44.00	1.50	FX 770213	180.	<5000.	<5.	TR	75
			44.00	44.70	0.70	FX 770214	97.	<5000.	<5.	TR	75
			44.70	96.60	51.90	NS					
			96.60	98.00	1.40	FX 770215	130.	<5000.	<5.	TR	MASS
			98.00	99.50	1.50	FX 770216	110.	<5000.	<5.	TR	MASS
			99.50	101.00	1.50	FX 770217	120.	<5000.	<5.	TR	MASS
			101.00	102.50	1.50	FX 770218	120.	<5000.	<5.	TR	MASS
			102.50	104.00	1.50	FX 770219	120.	<5000.	<5.	TR	MASS

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

FROM M	TO M	DESCRIPTION	FROM M	TO M	LENGTH M	SAMPLE#	ZN PPM	AG PPB	AU PPB	XMIN	CANG
		centimetre to 20 centimetre quartz, feldspar, biotite, pegmatite dyklets throughout.	44.00	44.70	0.70	FX 770214	97.	<5000.	<5.	TR	75
			44.70	96.60	51.90	NS					
		Trace disseminated	96.60	98.00	1.40	FX 770215	130.	<5000.	<5.	TR	MASS
		pyrrhotite, pyrite associated with	98.00	99.50	1.50	FX 770216	110.	<5000.	<5.	TR	MASS
		pegmatites from 41.00 to 44.00 metres.	99.50	101.00	1.50	FX 770217	120.	<5000.	<5.	TR	MASS
		Foot of hole at 155.00	101.00	102.50	1.50	FX 770218	120.	<5000.	<5.	TR	MASS
		metres.	102.50	104.00	1.50	FX 770219	120.	<5000.	<5.	TR	MASS
			104.00	105.50	1.50	FX 770220	150.	<5000.	<5.	TR	MASS
			105.50	107.00	1.50	FX 770221	130.	<5000.	<5.	TR	MASS
			107.00	108.10	1.10	FX 770222	120.	<5000.	<5.	TR	MASS
			108.10	155.00	46.90	NS					



72585-0

72585-0

INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	ZN PPM	AG PPB	AU PPB	%MIN	CANG
		metres.									
104.00	105.50		104.00	105.50	1.50	FX 770220	150.	<5000.	<5.	TR	MASS
105.50	107.00		105.50	107.00	1.50	FX 770221	130.	<5000.	<5.	TR	MASS
107.00	108.10		107.00	108.10	1.10	FX 770222	120.	<5000.	<5.	TR	MASS
108.10	155.00		108.10	155.00	46.90	NS					

72585-0

72585-0



INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG

BOREHOLE : 72585-0
 PROJECT : AGATE
 PROPERTY NAME: AGATE
 Latitude : 9715.00N
 NTS/Quad : 42-H-12
 Country : CANADA
 Prov./state : ONTARIO
 Twp/County : AGATE
 Claim # : P-1182287

Departure : 14300.00E
 Logged by : R. CLARK
 Drilled by : BRADLEY BROS. LIMITED
 Drill type : BOYLES 35A
 Core size : BQ
 Section :

Elevation : 10000.00m
 Assay req. : ZN, AG, AU+34 ELEMENTS
 Test Method : ACID ETCH TUBE
 Started : FEB. 9, 1993
 Completed : FEB. 10, 1993
 Grid name :

PRINT DATE : 14-JUL-1994 11:58
 Hole length : 155.00m
 Level :
 Dip :
 BL azimuth : 090
 BH bearing : 180
 Heading :

DEVIATION RECORDS

depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	180.00	-50.00	22.00	-1.00	-53.50	53.00	-1.00	-52.00
112.00	-1.00	-51.00	155.00	-1.00	-51.00	83.00	-1.00	-51.50

COMMENTS : LEFT IN HOLE: 22 METRES BU CASING AND SHOE
 CONDUCTOR NOT EXPLAINED.
 CORE STORED AT COPPER CLIFF, ONT.
 Core logged Feb.10/93 to Feb.11/93

N. Tully
for R. Clark

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	ZN	AG	AU	XMN	CANG
m	m		m	m	m		PPM	PPB	PPB		
0.00	22.00	OVERBURDEN									

0.00 22.00 OVERBURDEN

INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG

FROM M	TO M	LENGTH M	SAMPLE#	ZN PPH	AG PPB	AU PPB	201N	CANG
0.00	22.00	22.00	NS					
sand and boulder till.								
22.00	35.35	13.35	NS					
35.35 38.10 AMPHIBOLITE Dark gray to black, massive to strongly foliated, garnetiferous, biotite amphibolite. Unit cut by numerous 1 centimetre to 15 centimetre gray white to green, quartz feldspar pegmatite dyklets throughout. Amphibolite contains 5 to 15% light red almandine garnets throughout ranging in size from 1 to 3 millimetre. Unit contains 10 to 35% coarse biotite booklets throughout.								
35.35	38.10	2.75	NS					
38.10 155.00 PEGMATITE Light green to gray, very coarse grained, massive, quartz (45%), feldspar (40%), biotite (10%) pegmatite. Unit contains 3 to 8% light red to pink, almandine garnet throughout as 1 millimetre to 1 centimetre clots.								
38.10	155.00							
38.10 155.00 GNEISS Dark gray to gray, moderately to strongly banded, quartz (30%), feldspar (30%), biotite (10%) amphibolite (10%) gneiss. Unit is cut by numerous 1								
38.10	39.10	1.00	NS					
39.10	39.95	0.85	FX 770210	150.	<5000.	<5.	TR	IREG
39.95	41.00	1.05	FX 770211	110.	<5000.	<5.	TR	75
41.00	42.50	1.50	FX 770212	170.	<5000.	<5.	TR	75
42.50	44.00	1.50	FX 770213	180.	<5000.	<5.	TR	75

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

BOREHOLE : 72584-0
 PROJECT : AGATE
 PROPERTY NAME: AGATE
 Latitude : 9300.00N
 NTS/quad : 42-H-12
 Country : CANADA
 Prov./state : ONTARIO
 Twp/County : AGATE
 Claim # : P-1182278

Departure : 23600.00E
 Logged by : R. CLARK
 Drilled by : BRADLEY BROS. LIMITED,
 Drill type : BOYLES 35A
 Core size : Bq
 Section :

Elevation : 10000.00m
 Assay req. : ZN, AG, AU+34 ELEMENTS
 Test Method : ACID ETCH TUBE
 Started : FEB. 3, 1993
 Completed : FEB. 5, 1993
 Grid name :

PRINT DATE : 27-MAY-1993 14:30
 Hole Length : 170.00m
 Level :
 Dip :
 BL azimuth : 090
 BH bearing : 180
 Heading :

DEVIATION RECORDS

depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	180.00	-50.00	34.00	-1.00	-50.00	64.00	-1.00	-50.00
124.00	-1.00	-51.00	170.00	-1.00	-52.00	94.00	-1.00	-50.00

COMMENTS : LEFT IN HOLE: ALL CASING REMOVED
 CONDUCTOR FROM 88.6 TO 91.00 CAUSED BY PO, PY.
 CORE STORED AT COPPER CLIFF, ONT.

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	ZN	AG	AU	%MIN	CANG
m	m		m	m	m		PPM	PPB	PPB		
0.00	34.00	OVERBURDEN Sandy clay and till.	0.00	34.00	34.00	NS					
34.00	37.80	GNEISS dark gray to gray, strongly banded, medium to coarse grained, quartz (60 %), biotite (20 %),	34.00	37.80	3.80	NS					

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

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	ZN PPM	AG PPB	AU PPB	%MIN	CANG
		amphibolite (10 %) feldspar (5 %) gneiss.									
37.80	40.80	37.80 40.80 3.00 NS Light red to pink, very coarse grained, feldspar (65%), quartz (30 %) biotite (5 %) pegmatite.									
40.80	51.40	40.80 51.40 10.60 NS Dark gray to gray, strongly banded, medium to coarse grained, quartz, biotite, amphibolite feldspar gneiss as above.									
51.40	53.00	51.40 53.00 1.60 FX 770088					<50.	<5000.	<5.	tr	85
53.00	54.50	53.00 54.50 1.50 FX 770089					<50.	<5000.	<5.	TR	85
54.50	56.00	54.50 56.00 1.50 FX 770090					<50.	<5000.	<5.	-	-
56.00	57.50	56.00 57.50 1.50 FX 770091					70.	<5000.	<5.	3-4	70
57.50	59.00	57.50 59.00 1.50 FX 770092					81.	<5000.	9.	15	IREG
59.00	60.50	59.00 60.50 1.50 FX 770093					75.	<5000.	<5.	TR-1	80-90
60.50	62.00	60.50 62.00 1.50 FX 770094					63.	<5000.	8.	4-5	90
62.00	63.50	62.00 63.50 1.50 FX 770095					94.	<5000.	<5.	TR	90
63.50	65.00	63.50 65.00 1.50 FX 770096					<50.	<5000.	<5.	TR	90
65.00	66.50	65.00 66.50 1.50 FX 770097					<50.	<5000.	<5.	TR	90
66.50	68.30	66.50 68.30 1.80 FX 770098					<50.	<5000.	<5.	TR	90
68.30	74.10	68.30 74.10 5.80 NS pyrite to semi-massive pyrite pyrrhotite at 57.8.								-	-
74.10	75.35	74.10 75.35 1.25 FX 770099					73.	<5000.	<5.	TR-1	80
75.35	76.50	75.35 76.50 1.15 FX 770100					82.	<5000.	10.	1-2	85
76.50	77.75	76.50 77.75 1.25 FX 770101					<50.	<5000.	7.	1-2	85
77.75	78.80	77.75 78.80 1.05 FX 770102					91.	<5000.	<5.	1-2	85
78.80	79.90	78.80 79.90 1.10 FX 770103					<50.	<5000.	<5.	TR-1	85
79.90	85.70	79.90 85.70 5.80 NS 88.60 91.00 Gneiss mineralized with 8 to 10% net textured pyrite, pyrrhotite throughout.								-	-
85.70	87.15	85.70 87.15 1.45 FX 770104					50.	<5000.	6.	TR-1	80
87.15	88.60	87.15 88.60 1.45 FX 770105					130.	<5000.	16.	TR-1	50-90
88.60	89.55	88.60 89.55 0.95 FX 770106					56.	<5000.	<5.	10-15	90
89.55	90.15	89.55 90.15 0.60 FX 770107					77.	<5000.	9.	6-8	90
		This interval represents the conductor.									

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

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	ZN PPM	AG PPB	AU PPB	%MIN	CANG
108.40	112.30	Unit cut by numerous hairline to 20 centimetre gray white quartz veinlets. Interval mineralized with trace to 3% very fine grained disseminated pyrite, pyrrhotite concentrated on veinlet margins.	90.15	91.30	1.15	FX 770108	95.	<5000.	<5.	1-2	80
			91.30	108.40	17.10	NS					
			108.40	110.00	1.60	FX 770109	54.	<5000.	<5.	TR	80-90
			110.00	111.10	1.10	FX 770110	190.	<5000.	<5.	2-3	75-80
			111.10	112.30	1.20	FX 770111	120.	<5000.	<5.	TR	80
			112.30	114.00	1.70	FX 770112	190.	<5000.	<5.	TR	80-90
			114.00	120.65	6.65	NS					
120.65	123.90	123.90 PEGMATITE Light pink to red, massive, very coarse grained, feldspar, quartz, biotite pegmatite with minor biotite, amphibolite quartz, feldspar gneiss inclusions.	120.65	123.90	3.25	NS					
123.90	131.55	131.55 GNEISS Dark gray to gray, strongly banded, medium to coarse grained, quartz, biotite, amphibolite feldspar gneiss as above.	123.90	131.55	7.65	NS					
131.55	133.25	133.25 PEGMATITE Light pink to red, massive, very coarse grained, feldspar, quartz, biotite pegmatite with minor biotite, amphibolite quartz, feldspar gneiss inclusions as above.	131.55	133.25	1.70	NS					
133.25	142.17	142.17 GNEISS Dark gray to gray, strongly banded, medium to coarse grained, quartz, biotite, amphibolite feldspar	133.25	142.17	8.92	NS					

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

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	ZN PPM	AG PPB	AU PPB	%MIN	CANG
		gneiss as above.									
142.17	146.30	146.30 PEGMATITE Light pink to red, massive, very coarse grained, feldspar, quartz, biotite pegmatite with minor biotite, amphibolite quartz, feldspar gneiss inclusions as above.	142.17	146.30	4.13	NS					
146.30	148.30	148.30 GNEISS Dark gray to gray, strongly banded, medium to coarse grained, quartz, biotite, amphibolite feldspar gneiss as above.	146.30	148.30	2.00	NS					
148.30	166.39	166.39 PEGMATITE Light pink to red, massive, very coarse grained, feldspar, quartz, biotite pegmatite with minor biotite, amphibolite quartz, feldspar gneiss inclusions as above.	148.30	154.00	5.70	NS					
			154.00	156.17	2.17	FX 770113	<50.	<5000.	<5.	TR	MASS
			156.17	156.93	0.76	FX 770114	58.	<5000.	<5.	3-5	MASS
			156.93	158.87	1.94	FX 770115	<50.	<5000.	<5.	TR	MASS
			158.87	159.90	1.03	FX 770116	61.	<5000.	<5.	TR	MASS
			159.90	166.39	6.49	NS					
166.39	170.00	170.00 GNEISS Dark gray to gray, strongly banded, medium to coarse grained, quartz, biotite, amphibolite feldspar gneiss as above. Foot of hole at 170.00	166.39	170.00	3.61	NS					

72594-0

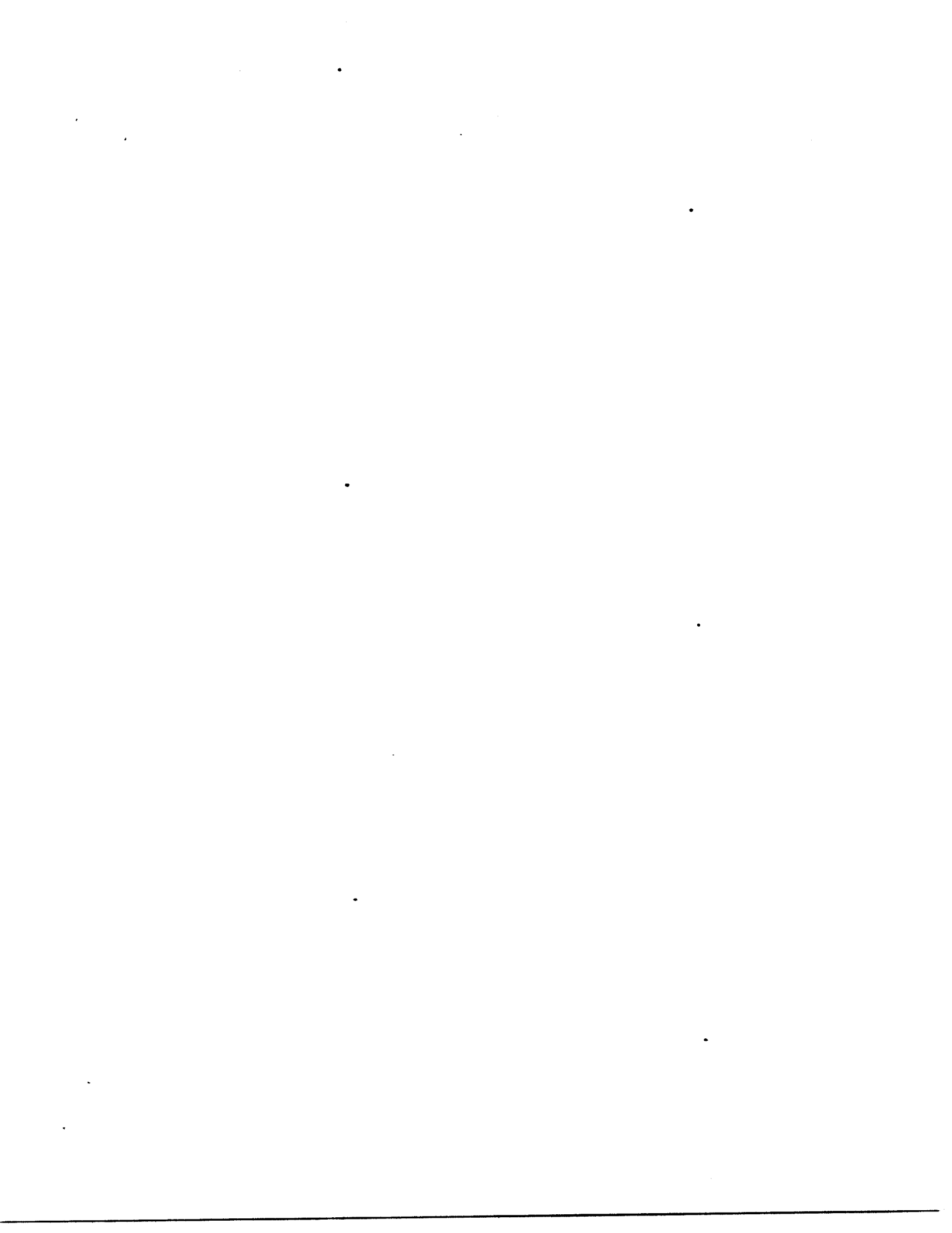
INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG

72594-0

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	ZN	AG	AU	XMIN	CANG
m	m		m	m	m		PPM	PPB	PPB		
		Dark gray to gray, strongly banded, medium to coarse grained, quartz, biotite, amphibolite feldspar gneiss as above.	166.39	170.00	3.61	MS					
		Foot of hole at 170.00									

72594-0

72594-0



APPENDIX 4
ANALYTICAL RESULTS



ACTIVATION LABORATORIES LTD

Invoice No.: 4941
 Work Order: 4962
 Invoice Date: 25-MAR-93
 Date Submitted: 15-MAR-93
 Your Reference: 60378-56010
 Account Number: 77

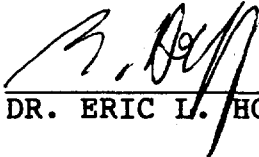
INCO EXPLORATION-COPPER CLIFF
 FIELD EXPLORATION BUILDING
 HIGHWAY 17 WEST
 COPPER CLIFF, ONT
 POM 1NO
 ATTN: HERB MACKOWIAK

CERTIFICATE OF ANALYSIS

INAA package, elements and detection limits:

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

CERTIFIED BY :


 DR. ERIC L. HOFFMAN

Activation Laboratories Ltd. Work Order: 4962 Report: 4941

Sample description	AU PPM	AG PPM	AS PPM	BA PPM	BR PPM	CA PPM	CO PPM	CR PPM	CS PPM	FE PPM	HF PPM	HG PPM	IR PPM	MO PPM	NA PPM	NI PPM	RB PPM	SB PPM	SC PPM	SE PPM	SN PPM	SR PPM	TA PPM	TH PPM
FX 770001	<5	<5	<2	690	<1	<1	<5	200	<2	1.17	3.9	<1	<5	<5	18900	<50	98	<0.2	3.3	<5	<0.01	<0.05	<1	3.7
FX 770002	<5	<5	<2	180	<1	4	23	230	2	4.13	3.3	<1	<5	<5	19300	<50	62	0.3	17	<5	<0.01	<0.05	<1	1.4
FX 770003	<5	<5	<2	230	<1	4	23	240	<2	4.06	3.2	<1	<5	<5	20300	<50	34	<0.2	17	<5	<0.01	<0.05	<1	1.8
FX 770004	<5	<5	<2	220	<1	4	20	250	<2	3.84	3.3	<1	<5	<5	17800	<50	<30	<0.2	16	<5	<0.01	<0.05	<1	2.8
FX 770005	<5	<5	<2	<100	<1	4	21	290	<2	3.82	3.1	<1	<5	<5	17700	<50	<30	<0.2	17	<5	<0.01	<0.05	<1	1.3
FX 770006	<5	<5	<2	210	<1	4	24	270	4	4.00	3.5	<1	<5	<5	20300	<50	45	<0.2	17	<5	<0.01	<0.05	<1	2.0
FX 770007	<5	<5	<2	180	<1	5	24	280	<2	3.87	3.2	<1	<5	<5	22300	<50	<30	<0.2	16	<5	<0.01	<0.05	<1	1.4
FX 770008	<5	<5	<2	200	<1	4	22	260	<2	3.37	3.1	<1	<5	<5	23100	<50	39	<0.2	16	<5	<0.01	<0.05	<1	1.4
FX 770009	5	<5	<2	370	<1	3	33	360	<3	9.11	2.7	<1	<5	<5	18200	<50	95	<0.2	13	<5	<0.01	<0.05	<1	4.3
FX 770010	16	<5	<2	180	<1	2	76	250	<2	26.5	0.9	<1	<5	12	8660	250	<30	<0.2	6.3	<5	<0.01	<0.05	<1	1.8
FX 770011	11	<5	<2	490	<1	2	51	240	<2	17.3	4.0	<1	<5	9	21300	<50	44	<0.2	2.5	<5	<0.01	<0.05	<1	<0.5
FX 770012	16	<5	<2	450	<1	2	53	210	<2	19.7	3.4	<1	<5	14	21300	<50	50	<0.2	3.2	<5	<0.01	<0.05	<1	<0.5
FX 770013	<5	<5	<2	520	1	3	12	220	<2	4.07	4.6	<1	<5	<5	35300	<50	<30	<0.2	0.3	<5	<0.01	0.06	<1	0.5
FX 770014	<5	<5	<2	450	<1	2	<5	220	<2	0.82	<0.5	<1	<5	<5	32900	<50	<30	<0.2	0.2	<5	<0.01	0.06	<1	<0.5
FX 770015	22	<5	<2	460	2	2	11	250	<2	3.79	13	<1	<5	<5	28500	<50	<30	<0.2	0.6	<5	<0.01	<0.05	<1	<0.5
FX 770016	25	<5	<2	420	<1	2	9	300	<2	3.15	14	<1	<5	<5	27200	<50	<30	<0.2	1.0	<5	<0.01	<0.05	<1	<0.5
FX 770017	<5	<5	<2	760	<1	3	<5	250	<2	1.69	3.9	<1	<5	<5	31700	<50	30	<0.2	0.5	<5	<0.01	0.06	<1	<0.5
FX 770018	5	<5	<2	1100	<1	3	9	170	<2	3.47	8.6	<1	<5	<5	38400	110	38	<0.2	0.4	<5	<0.01	0.09	<1	0.7
FX 770019	9	<5	<2	240	<1	3	29	300	<2	11.8	13	<1	<5	6	23400	<50	50	<0.2	3.7	<5	<0.01	<0.05	<1	<0.5
FX 770020	7	<5	<2	170	<1	2	9	270	<2	3.41	2.6	<1	<5	<5	28900	130	<30	<0.2	1.1	<5	<0.01	0.05	<1	<0.5
FX 770021	8	<5	<2	410	<1	3	18	270	<2	6.60	7.0	<1	<5	<5	27400	<50	38	<0.2	6.3	<5	<0.01	<0.05	<1	<0.5
FX 770022	7	<5	<2	660	<1	7	39	50	2	9.08	5.3	<1	<5	<5	20900	<50	74	<0.2	25	<5	<0.01	<0.05	3	5.0
FX 770023	5	<5	<2	420	2	3	9	220	<2	2.32	1.4	<1	<5	<5	32100	<50	32	<0.2	0.7	<5	<0.01	<0.05	<1	<0.5
FX 770024	5	<5	<2	180	<1	2	7	230	<2	2.65	<0.5	<1	<5	<5	34300	<50	<30	<0.2	1.4	<5	<0.01	0.08	<1	<0.5
FX 770025	9	<5	<2	180	<1	<1	34	280	<2	19.2	0.6	<1	<5	8	8680	<50	<30	<0.2	26	<5	<0.01	<0.05	<1	0.6
FX 770026	8	<5	<2	110	<1	<1	49	190	<2	19.3	0.5	<1	<5	12	8700	<50	<30	<0.2	9.0	<5	<0.01	<0.05	<1	0.6
FX 770027	7	<5	<2	180	<1	<1	49	240	<2	20.4	0.6	<1	<5	<5	10600	<50	43	<0.2	7.5	<5	<0.01	<0.05	<1	0.9
FX 770028	<5	<5	<2	<100	<1	<1	29	220	<2	12.6	0.9	<1	<5	<5	21000	<50	40	<0.2	10	<5	<0.01	<0.05	1	0.9
FX 770029	<5	<5	<2	160	<1	<1	42	240	<2	16.1	1.6	<1	<5	<5	13100	<50	<30	<0.2	17	<5	<0.01	0.05	<1	0.6
FX 770030	<5	<5	<2	420	<1	<1	13	220	2	2.93	3.5	<1	<5	<5	27400	<50	43	<0.2	9.6	<5	<0.01	<0.05	2	8.0
FX 770031	<5	<5	<2	460	<1	<1	17	330	2	4.06	3.0	<1	<5	<5	26900	<51	49	<0.2	14	<5	<0.01	<0.05	<1	1.5
FX 770032	<5	<5	<2	<100	<1	2	41	290	<2	15.7	1.4	<1	<5	<5	13200	<50	<30	<0.2	14	<5	<0.01	<0.05	<1	1.0
FX 770033	10	<5	<2	<100	<1	1	59	260	<2	19.8	1.1	<1	<5	<5	11600	<50	<30	<0.2	16	<5	<0.01	0.05	<1	<0.5
FX 770034	9	<5	<2	160	<1	<1	45	220	<2	18.0	0.6	<1	<5	<5	13400	280	<30	<0.2	20	<5	<0.01	<0.05	<1	<0.5
FX 770035	<5	<5	<2	440	<1	<1	27	290	3	4.71	2.4	<1	<5	<5	27700	<51	72	<0.2	18	<5	<0.01	0.09	<1	3.4
FX 770036	<5	<5	<2	530	<1	2	21	340	3	4.24	2.7	<1	<5	<5	24800	<50	47	<0.2	13	<5	<0.01	0.06	<1	3.5
FX 770037	<5	<5	<2	550	<1	2	22	370	3	4.27	3.3	<1	<5	<5	22500	<50	62	<0.2	14	<5	<0.01	<0.05	<1	3.5
FX 770038	<5	<5	<2	420	<1	1	20	340	3	3.79	3.0	<1	<5	<5	22900	<50	53	<0.2	12	<5	<0.01	<0.05	<1	5.4
FX 770039	<5	<5	<2	620	<1	2	23	460	4	4.33	3.2	<1	<5	<5	22400	<50	53	<0.2	14	<5	<0.01	0.06	<1	4.7
FX 770040	<5	<5	<2	460	<1	2	30	350	<2	4.59	5.3	<1	<5	7	20600	<50	50	<0.2	8.5	<5	<0.01	<0.05	<1	9.1
FX 770041	<5	<5	<2	280	<1	2	34	380	<2	6.42	4.4	<1	<5	<5	21100	<50	<30	<0.2	6.9	<5	<0.01	<0.05	<1	4.7
FX 770042	<5	<5	<2	420	<1	2	33	350	2	6.04	5.1	<1	<5	<5	24000	<50	34	<0.2	11	<5	<0.01	<0.05	<1	7.8
FX 770043	<5	<5	<2	290	<1	<1	26	420	2	4.75	6.0	<1	<5	11	25400	<50	<30	<0.2	6.1	<5	<0.01	<0.05	<1	6.6
FX 770044	<5	<5	<2	280	<1	<1	6	190	<2	1.63	5.8	<1	<5	<5	20000	<50	<30	<0.2	3.9	<5	<0.01	<0.05	<1	<0.5
FX 770045	<5	<5	<2	400	<1	1	20	310	<2	3.15	5.5	<1	<5	<5	24800	<50	37	<0.2	8.2	<5	<0.01	<0.05	<1	1.4

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Sample description	AU PPB	AG PPM	AS PPM	BA PPM	BR PPM	CA %	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPM	IR PPB	MO PPM	NA PPM	NI PPM	RB PPM	SB PPM	SC PPM	SE PPM	SN %	SR %	TA PPM	TH PPM
FX 770046	<5	<5	<2	160	<1	<1	17	270	<2	3.28	3.6	<1	<5	<5	23700	<50	30	<0.2	4.4	<5	<0.01	<0.05	<1	1.4
FX 770047	<5	<5	<2	270	<1	2	<5	270	<2	1.85	5.0	<1	<5	<5	13800	<50	45	<0.2	5.9	<5	<0.01	<0.05	<1	1.9
FX 770048	<5	<5	<2	180	<1	13	8	220	<2	4.54	4.3	<1	<5	<5	2790	<50	<30	<0.2	5.5	<5	<0.01	<0.05	<1	1.6
FX 770049	<5	<5	<2	210	<1	7	17	250	<2	8.35	4.5	<1	<5	<5	4510	<50	34	<0.2	16	<5	<0.01	<0.05	<1	2.0
FX 770050	<5	<5	<2	110	<1	21	9	190	<2	6.81	3.3	<1	<5	<5	1640	<50	<30	<0.2	5.8	<5	<0.01	<0.05	<1	0.9
FX 770051	<5	<5	<2	370	<1	6	18	200	<2	6.40	4.0	<1	<5	<5	3950	<50	55	<0.2	19	<5	<0.01	<0.05	<1	1.4
FX 770052	<5	<5	<2	370	<1	4	12	300	<2	3.26	4.3	<1	<5	<5	4580	<50	57	<0.2	11	<5	<0.01	<0.05	<1	2.4
FX 770053	<5	<5	<2	190	1	2	25	180	<2	7.51	2.2	<1	<5	<5	16000	<50	<30	<0.2	20	<5	<0.01	<0.05	<1	0.8
FX 770054	<5	<5	<2	190	<1	<1	7	320	3	10.6	13	<1	<5	<5	9900	<50	74	<0.2	8.4	<5	<0.01	<0.05	<1	1.6
FX 770055	<5	<5	<2	120	<1	<1	<5	280	<2	3.81	7.9	<1	<5	<5	21400	<50	<30	<0.2	2.0	<5	<0.01	<0.05	<1	1.2
FX 770056	<5	<5	<2	150	<1	2	<5	190	<2	1.55	3.4	<1	<5	<5	20900	<50	<30	<0.2	3.8	<5	<0.01	<0.05	<1	2.6
FX 770057	<5	<5	<2	200	<1	<1	<5	370	<2	2.65	7.1	<1	<5	<5	27700	90	30	<0.2	1.6	<5	<0.01	<0.05	<1	1.2
FX 770058	<5	<5	<2	100	<1	<1	5	320	<2	9.37	13	<1	<5	<5	17800	<50	<30	<0.2	4.4	<5	<0.01	<0.05	<1	1.6
FX 770059	<5	<5	<2	130	<1	2	<5	320	<2	1.67	4.3	<1	<5	<5	23200	<50	<30	<0.2	2.6	<5	<0.01	<0.05	<1	2.4
FX 770060	<5	<5	<2	280	<1	<1	<5	280	<2	3.18	3.3	<1	<5	<5	25000	<50	<30	<0.2	2.3	<5	<0.01	<0.05	<1	0.7
FX 770061	<5	<5	<2	290	<1	<1	<5	280	<2	1.77	7.4	<1	<5	<5	18500	<50	52	<0.2	3.4	<5	<0.01	<0.05	<1	4.4
FX 770062	<5	<5	<2	220	<1	1	8	280	<2	2.71	7.1	<1	<5	<5	18800	<50	61	<0.2	5.3	<5	<0.01	<0.05	<1	2.9
FX 770063	<5	<5	<2	240	<1	<1	7	220	2	2.35	7.1	<1	<5	<5	18600	<50	64	<0.2	5.2	<5	<0.01	<0.05	<1	4.1
FX 770064	<5	<5	<2	150	<1	<1	7	250	<2	2.65	6.4	<1	<5	<5	18500	<50	40	<0.2	5.2	<5	<0.01	<0.05	<1	3.1
FX 770065	<5	<5	<2	190	<1	<1	9	320	<2	2.84	7.5	<1	<5	<5	18200	<50	<30	<0.2	5.8	<5	<0.01	<0.05	<1	2.5
FX 770066	<5	<5	<2	210	<1	<1	11	290	<2	3.12	6.7	<1	<5	<5	15400	<50	<30	<0.2	4.5	<5	<0.01	<0.05	<1	2.9
FX 770067	<5	<5	<2	150	<1	<1	13	290	<2	7.55	7.6	<1	<5	<5	16200	<50	<30	<0.2	4.9	<5	<0.01	<0.05	<1	2.8
FX 770068	<5	<5	<2	<100	<1	1	10	240	<2	7.92	3.3	<1	<5	<5	13600	<50	<30	<0.2	9.8	<5	<0.01	<0.05	<1	1.6
FX 770069	<5	<5	<2	<100	<1	<1	8	340	<2	12.2	2.4	<1	<5	<5	2790	<50	<30	<0.2	3.2	<5	<0.01	<0.05	<1	1.1
FX 770070	<5	<5	<2	<100	<1	1	10	390	<2	18.8	3.2	<1	<5	<5	810	<50	<30	<0.2	3.5	<5	<0.01	<0.05	<1	1.5
FX 770071	<5	<5	<2	<100	<1	<1	9	160	<2	12.2	4.2	<1	<5	<5	4390	<50	<30	<0.2	3.7	<5	<0.01	<0.05	<1	2.1
FX 770072	10	<5	3	<100	<1	<1	100	330	<2	30.9	3.0	<1	<5	<5	1650	<50	<30	<0.2	2.9	<5	<0.01	<0.05	<1	1.3
FX 770073	<5	<5	<2	<100	<1	<1	<5	320	<2	5.10	4.6	<1	<5	<5	6570	<50	<30	<0.2	3.9	<5	<0.01	<0.05	<1	2.5
FX 770074	6	<5	<2	<100	<1	<1	66	240	<2	27.5	2.9	<1	<5	<5	3950	<50	<30	<0.2	2.1	<5	<0.01	<0.05	<1	1.6
FX 770075	<5	<5	<2	<100	<1	<1	7	350	<2	7.81	3.0	<1	<5	<5	2330	<50	<30	<0.2	3.2	<5	0.01	<0.05	<1	1.5
FX 770076	<5	<5	<2	<100	<1	<1	6	400	<2	11.5	2.9	<1	<5	<5	3010	<50	<30	<0.2	3.2	<5	<0.01	<0.05	<1	1.8
FX 770077	<5	<5	<2	<100	<1	<1	15	340	<2	13.9	2.0	<1	<5	<5	2080	<50	<30	<0.2	2.9	<5	<0.01	<0.05	<1	1.4
FX 770078	<5	<5	<2	<100	<1	1	8	410	<2	10.1	1.6	<1	<5	<5	2040	<50	<30	<0.2	3.0	<5	<0.01	<0.05	<1	0.6
FX 770079	<5	<5	<2	<100	<1	3	17	390	<2	15.4	3.0	<1	<5	5	2490	110	<30	<0.2	4.9	<5	<0.01	<0.05	<1	1.9
FX 770080	<5	<5	<2	<100	<1	2	11	320	<2	6.22	1.3	<1	<5	<5	3920	<50	<30	<0.2	3.9	<5	<0.01	<0.05	<1	0.6
FX 770081	<5	<5	<2	180	<1	3	7	270	<2	10.5	3.3	<1	<5	<5	3860	<50	<30	<0.2	6.2	<5	<0.01	<0.05	<1	1.6
FX 770082	<5	<5	<2	170	1	<1	10	280	<2	9.92	3.3	<1	<5	<5	2200	<50	<30	<0.2	4.9	<5	<0.01	<0.05	<1	2.6
FX 770083	<5	<5	<2	170	1	1	11	290	<2	5.80	3.5	<1	<5	<5	3400	<50	<30	<0.2	5.9	<5	<0.01	<0.05	<1	2.2
FX 770084	<5	<5	<2	200	<1	2	6	170	<2	5.05	3.5	<1	<5	<5	5250	<50	33	<0.2	4.5	<5	<0.01	<0.05	<1	3.1
FX 770085	<5	<5	<2	240	<1	2	5	300	<2	3.17	4.7	<1	<5	<5	8260	<50	<30	<0.2	5.2	<5	<0.01	<0.05	<1	3.4
FX 770086	<5	<5	<2	270	<1	2	<5	360	<2	2.06	4.9	<1	<5	<5	9750	<50	41	<0.2	5.4	<5	<0.01	<0.05	<1	4.2
FX 770087	<5	<5	<2	280	<1	2	<5	360	<2	2.06	4.5	<1	<5	<5	8210	<50	50	<0.2	5.0	<5	<0.01	<0.05	<1	2.7
FX 770088	<5	<5	<2	430	<1	2	19	340	3	3.89	3.1	<1	<5	<5	24100	<50	68	<0.2	13	<5	<0.01	0.06	<1	5.4
FX 770089	<5	<5	<2	410	<1	1	21	340	3	4.08	2.5	<1	<5	<5	24700	<50	69	<0.2	14	<5	<0.01	<0.05	<1	5.1
FX 770090	<5	<5	<2	290	<1	2	13	310	2	4.71	1.8	<1	<5	<5	21100	<50	55	<0.2	11	<5	<0.01	<0.05	<1	3.8

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Sample description	AU PPB	AG PPM	AS PPM	BA PPM	BR PPM	CA PPM	CO PPM	CR PPM	CS PPM	FE PPM	HF PPM	HG PPM	IR PPM	MO PPM	NA PPM	NI PPM	RB PPM	SB PPM	SC PPM	SE PPM	SN PPM	SR PPM	TA PPM	TE PPM
FX 770091	<5	<5	<2	190	<1	<1	<5	250	<2	14.4	4.3	<1	<5	<5	10200	<50	36	<0.2	9.3	<5	<0.01	<0.05	<1	9.6
FX 770092	9	<5	<2	160	<1	<1	20	190	2	20.6	2.1	<1	<5	<5	6030	120	50	<0.2	6.3	<5	<0.01	<0.05	<1	1.0
FX 770093	<5	<5	<2	<100	<1	<1	5	360	<2	13.6	5.5	<1	<5	<5	10500	<50	<30	<0.2	5.9	<5	<0.01	<0.05	<1	1.7
FX 770094	8	<5	<2	150	<1	<1	6	270	3	21.5	3.2	<1	<5	<5	5140	<50	<30	<0.2	6.9	<5	<0.01	<0.05	<1	1.1
FX 770095	<5	<5	<2	200	<1	2	6	360	<2	1.75	3.2	<1	<5	<5	34500	<50	<30	<0.2	13	<5	<0.01	<0.05	<1	1.0
FX 770096	<5	<5	<2	150	<1	<1	<5	140	<2	2.00	4.7	<1	<5	<5	26300	<50	<30	<0.2	7.3	<5	<0.01	<0.05	<1	2.2
FX 770097	<5	<5	<2	150	<1	2	<5	220	<2	0.91	9.8	<1	<5	<5	27100	<50	<30	<0.2	7.2	<5	<0.01	<0.05	<1	3.4
FX 770098	<5	<5	<2	100	<1	<1	<5	240	<2	1.29	7.6	<1	<5	<5	21500	<50	<30	<0.2	6.9	<5	<0.01	<0.05	<1	4.5
FX 770099	<5	<5	<2	170	<1	4	15	280	<2	5.50	2.7	<1	<5	<5	17500	<50	41	<0.2	14	<5	<0.01	<0.05	<1	2.0
FX 770100	10	<5	<2	330	<1	3	20	310	3	4.27	2.9	<1	<5	<5	21500	<50	56	<0.2	15	<5	<0.01	<0.05	<1	3.7
FX 770101	7	<5	<2	280	<1	2	21	270	3	4.39	2.8	<1	<5	<5	25700	<50	45	<0.2	13	<5	<0.01	0.06	<1	2.6
FX 770102	<5	<5	<2	260	<1	2	27	300	<2	4.85	3.2	<1	<5	<5	22400	<50	40	<0.2	13	<5	<0.01	<0.05	<1	1.8
FX 770103	<5	<5	<2	<100	<1	2	12	280	<2	2.88	1.8	<1	<5	<5	26100	<50	<30	<0.2	8.0	<5	<0.01	<0.05	<1	0.7
FX 770104	6	<5	<2	220	<1	2	12	310	<2	2.85	2.2	<1	<5	<5	31000	<50	<30	<0.2	9.0	<5	<0.01	<0.05	<1	<0.5
FX 770105	16	<5	<2	190	1	3	20	350	<2	5.47	3.3	<1	<5	<5	25600	<50	37	<0.2	18	<5	<0.01	0.05	<1	0.7
FX 770106	<5	<5	<2	190	<1	1	52	250	<2	17.8	2.2	<1	<5	<5	13100	<50	<30	<0.2	7.9	<5	<0.01	<0.05	<1	2.5
FX 770107	9	<5	<2	110	<1	3	24	270	<2	14.5	1.7	<1	<5	<5	14600	<50	<30	0.2	17	<5	<0.01	<0.05	<1	0.6
FX 770108	<5	<5	<2	230	<1	3	38	270	<2	7.02	2.8	<1	<5	<5	21100	<50	30	<0.2	16	<5	<0.01	<0.05	<1	0.6
FX 770109	<5	<5	<2	240	2	4	23	230	<2	4.80	2.7	<1	<5	<5	15200	<50	33	<0.2	17	<5	<0.01	<0.05	<1	1.7
FX 770110	<5	<5	<2	190	<1	5	23	260	<2	6.02	2.8	<1	<5	<5	8070	<50	<30	<0.2	18	<5	<0.01	<0.05	<1	1.1
FX 770111	<5	<5	<2	220	2	4	17	300	<2	3.71	3.0	<1	<5	<5	11300	<50	31	<0.2	12	<5	<0.01	<0.05	<1	1.6
FX 770112	<5	<5	<2	270	4	4	24	320	<2	4.70	2.8	<1	<5	<5	13300	<50	39	<0.2	18	<5	<0.01	<0.05	1	2.3
FX 770113	<5	<5	<2	1400	2	2	7	380	<2	1.35	8.2	<1	<5	5	22100	<50	90	<0.2	2.9	<5	<0.01	0.07	1	18
FX 770114	<5	<5	<2	790	1	4	30	140	<2	3.70	5.6	<1	<5	<5	21100	<50	41	<0.2	1.0	<5	<0.01	0.05	<1	22
FX 770115	<5	<5	<2	470	2	3	<5	290	<2	1.09	7.0	<1	<5	<5	29300	<50	<30	<0.2	0.5	<5	<0.01	<0.05	<1	29
FX 770116	<5	<5	<2	340	2	2	10	290	<2	2.21	16	<1	<5	<5	26200	<50	68	<0.2	4.4	<5	<0.01	0.06	1	23
FX 770117	<5	<5	<2	580	<1	<1	21	390	5	4.04	3.1	<1	<5	<5	21900	<50	81	<0.2	13	<5	<0.01	0.07	<1	5.7
FX 770118	<5	<5	<2	430	<1	3	25	380	5	4.35	3.1	<1	<5	<5	25000	<50	74	<0.2	16	<5	<0.01	<0.05	<1	6.6
FX 770119	<5	<5	<2	320	<1	3	27	310	8	6.81	3.1	<1	<5	<5	22600	<50	96	<0.2	11	<5	<0.01	<0.05	<1	3.2
FX 770120	<5	<5	<2	300	<1	4	22	310	5	5.05	3.4	<1	<5	<5	23500	<50	84	<0.2	15	<5	<0.01	0.06	<1	4.1
FX 770121	<5	<5	<2	350	<1	<1	18	280	7	4.79	7.9	<1	<5	<5	28700	<50	120	<0.2	9.7	<5	<0.01	<0.05	<1	68
FX 770122	<5	<5	<2	290	<1	4	32	420	4	4.53	2.3	<1	<5	<5	18900	<50	78	<0.2	24	<5	<0.01	<0.05	<1	1.2
FX 770123	<5	<5	<2	<100	<1	5	38	430	3	4.95	2.5	<1	<5	<5	21100	<50	60	<0.2	24	<5	<0.01	<0.05	<1	<0.5
FX 770124	7	<5	<2	150	<1	5	27	430	3	4.75	2.1	<1	<5	<5	22800	<50	<30	<0.2	23	<5	<0.01	<0.05	<1	0.9
FX 770125	<5	<5	<2	250	<1	5	14	530	<2	2.36	2.6	<1	<5	<5	26000	<50	<30	<0.2	24	<5	<0.01	0.06	<1	1.0
FX 770126	10	<5	<2	150	<1	5	24	250	<2	11.0	2.5	<1	<5	<5	9930	<50	34	<0.2	14	<5	<0.01	<0.05	<1	1.3
FX 770127	5	<5	<2	120	<1	3	23	370	<2	17.3	1.7	<1	<5	8	5760	<50	<30	<0.2	8.1	<5	<0.01	<0.05	<1	0.7
FX 770128	<5	<5	<2	140	<1	5	17	310	<2	10.7	3.0	<1	<5	<5	7730	<52	35	<0.2	13	<5	<0.01	<0.05	<1	1.3
FX 770129	<5	<5	<2	<100	<1	3	9	180	<2	2.44	3.2	<1	<5	<5	28800	<50	54	<0.2	12	<5	<0.01	<0.05	<1	1.9
FX 770130	<5	<5	<2	140	<1	3	15	370	<2	7.28	3.3	<1	<5	<5	15500	<50	<30	<0.2	12	<5	<0.01	<0.05	<1	2.2
FX 770131	<5	<5	<2	160	<1	4	9	320	<2	3.45	3.6	<1	<5	<5	21900	<50	<30	<0.2	10	<5	<0.01	0.07	<1	2.1
FX 770132	<5	<5	<2	210	<1	3	7	320	<2	2.92	4.5	<1	<5	<5	15700	<50	<30	<0.2	8.5	<5	<0.01	<0.05	1	2.5
FX 770133	<5	<5	<2	150	<1	5	8	360	<2	5.79	4.1	<1	<5	<5	11000	<50	<30	<0.2	8.4	<5	<0.01	<0.05	<1	2.4
FX 770134	<5	<5	<2	210	<1	3	<5	270	<2	2.47	4.5	<1	<5	<5	17900	<50	32	<0.2	6.5	<5	<0.01	<0.05	<1	2.7
FX 770135	<5	<5	<2	<100	<1	4	7	250	<2	2.90	4.5	<1	<5	<5	16000	<50	<30	<0.2	6.9	<5	<0.01	<0.05	1	2.6

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Sample description	AU PPB	AG PPM	AS PPM	BA PPM	BR PPM	CA PPM	CO PPM	CR PPM	CS PPM	FE PPM	HF PPM	HG PPM	IR PPB	MO PPM	NA PPM	NI PPM	RB PPM	SB PPM	SC PPM	SE PPM	SN PPM	SR PPM	TA PPM	TH PPM
FX 770136	<5	<5	<2	140	<1	3	7	240	<2	2.99	4.5	<1	<5	<5	15000	<50	<30	<0.2	6.9	<5	<0.01	<0.05	<1	2.4
FX 770137	<5	<5	<2	150	<1	3	6	240	<2	2.76	4.3	<1	<5	<5	21300	<50	<30	<0.2	8.4	<5	<0.01	<0.05	<1	3.3
FX 770138	<5	<5	<2	450	<1	2	25	270	4	4.04	3.2	<1	<5	<5	18500	<50	81	<0.2	15	<5	<0.01	<0.05	<1	6.4
FX 770139	<5	<5	<2	490	2	3	16	240	4	3.47	3.2	<1	<5	<5	13000	<50	93	<0.2	9.1	<5	<0.01	<0.05	<1	11
FX 770140	<5	<5	<2	350	1	3	22	280	4	5.18	2.8	<1	<5	<5	12400	<50	95	<0.2	15	<5	<0.01	<0.05	1	5.6
FX 770141	<5	<5	10	240	<1	2	47	250	3	14.6	1.9	<1	<5	<5	5730	<50	75	<0.2	11	<5	<0.01	<0.05	<1	4.2
FX 770142	<5	<5	<2	<100	<1	1	44	170	<2	44.2	<0.5	<1	<5	18	770	430	<30	<0.2	3.0	<5	<0.01	<0.05	<1	0.5
FX 770143	<5	<5	3	240	<1	2	46	260	<2	4.82	2.2	<1	<5	12	23000	350	<30	<0.2	9.6	<5	<0.01	<0.05	<1	3.1
FX 770144	<5	<5	5	220	2	5	35	210	<2	13.1	3.6	<1	<5	150	12100	<50	<30	<0.2	16	<5	<0.01	<0.05	<1	7.1
FX 770145	<5	<5	2	120	<1	5	30	240	<2	13.6	2.9	<1	<5	84	12900	230	<30	<0.2	15	6	<0.01	<0.05	<1	6.1
FX 770146	<5	<5	8	<100	2	6	240	230	<2	19.6	3.6	<1	<5	120	6790	<50	<30	<0.2	24	6	<0.01	0.06	<1	5.8
FX 770147	<5	<5	3	<100	<1	7	24	240	<2	15.7	2.7	<1	<5	110	3660	<50	<30	<0.2	24	6	<0.01	0.06	<1	7.6
FX 770148	<5	<5	<5	<100	<1	3	30	320	<2	9.18	3.5	<1	<5	82	12800	<50	<30	<0.2	16	<5	<0.01	<0.05	<1	7.9
FX 770149	<5	<5	<2	300	<1	1	25	210	<2	5.62	3.0	<1	<5	13	17100	270	<30	<0.2	14	<5	<0.01	<0.05	<1	5.6
FX 770150	<5	<5	<2	530	<1	<1	46	220	<2	4.07	3.4	<1	<5	15	11200	<50	59	0.2	12	<5	<0.01	<0.05	<1	12
FX 770151	<5	<5	5	460	<1	<1	48	190	<2	3.53	4.3	<1	<5	10	9300	280	61	<0.2	12	<5	<0.01	<0.05	1	11
FX 770152	<5	<5	5	660	<1	1	36	250	2	3.12	4.7	<1	<5	7	7820	220	82	<0.2	10	<5	<0.01	<0.05	1	13
FX 770153	<5	<5	6	620	<1	2	44	240	3	3.25	4.6	<1	<5	6	8560	<50	78	<0.2	12	<5	<0.01	<0.05	1	12
FX 770154	<5	<5	9	460	<1	<1	29	180	<2	4.53	4.6	<1	<5	7	10100	<50	55	<0.2	11	<5	<0.01	<0.05	<1	13
FX 770155	<5	<5	2	460	<1	<1	24	180	<2	6.39	3.3	<1	<5	14	6120	190	50	<0.2	13	<5	<0.01	<0.05	<1	4.7
FX 770156	14	<5	35	330	<1	<1	100	250	<2	8.01	2.8	<1	<5	14	6740	170	47	<0.2	11	<5	<0.01	<0.05	<1	6.3
FX 770157	7	<5	<2	320	<1	<1	20	200	<2	7.69	2.4	<1	<5	20	9660	310	46	<0.2	11	<5	<0.01	<0.05	<1	4.7
FX 770158	10	<5	8	240	<1	1	89	220	<2	10.5	2.4	<1	<5	16	9880	310	32	<0.2	10	9	<0.01	<0.05	<1	4.2
FX 770159	7	<5	21	600	<1	3	20	290	3	4.00	3.3	<1	<5	<5	11600	150	77	<0.2	12	<5	<0.01	<0.05	<1	5.5
FX 770160	<5	<5	25	660	<1	3	22	300	2	3.91	3.3	<1	<5	<5	7370	<50	83	<0.2	13	<5	<0.01	<0.05	<1	5.5
FX 770161	<5	<5	32	420	<1	3	20	290	2	3.25	3.0	<1	<5	<5	17600	220	40	<0.2	12	<5	<0.01	0.08	<1	5.1
FX 770162	<5	<5	3	490	1	3	32	310	<2	7.55	3.0	<1	<5	17	13300	<50	37	<0.2	14	<5	<0.01	<0.05	<1	5.2
FX 770163	11	<5	85	260	<1	<1	150	210	<2	22.7	2.5	<1	<5	10	5380	470	53	<0.2	11	11	<0.01	<0.05	<1	4.5
FX 770164	<5	<5	17	630	<1	4	24	310	2	6.43	3.2	<1	<5	<5	16300	<50	68	<0.2	13	<5	<0.01	<0.05	<1	5.0
FX 770165	<5	<5	28	620	<1	5	22	320	<2	4.45	3.3	<1	<5	<5	17300	<50	80	<0.2	13	<5	<0.01	<0.05	<1	5.6
FX 770166	<5	<5	19	440	<1	5	22	320	<2	4.43	3.2	<1	<5	7	15300	<50	65	0.3	13	<5	<0.01	<0.05	<1	5.4
FX 770167	<5	<5	3	270	2	3	43	230	<2	15.4	2.7	<1	<5	6	13200	<50	64	<0.2	11	8	<0.01	<0.05	<1	4.4
FX 770168	<5	<5	<2	360	1	2	15	210	<2	3.21	3.1	<1	<5	5	20200	170	49	<0.2	10	<5	<0.01	<0.05	<1	2.0
FX 770169	<5	<5	<2	250	<1	3	27	210	<2	4.44	2.8	<1	<5	<5	18000	260	53	<0.2	12	<5	<0.01	<0.05	<1	1.7
FX 770170	<5	<5	<2	230	1	3	17	200	<2	4.32	2.6	<1	<5	<5	18400	<50	37	<0.2	13	<5	<0.01	<0.05	<1	1.5
FX 770171	<5	<5	<2	110	<1	5	16	220	<2	8.68	2.9	<1	<5	<5	9380	<50	<30	<0.2	12	<5	<0.01	<0.05	<1	1.5
FX 770172	<5	<5	<2	150	<1	6	18	220	2	11.4	3.3	<1	<5	<5	7230	<50	32	<0.2	13	<5	<0.01	<0.05	<1	1.6
FX 770173	<5	<5	<2	200	<1	4	18	210	<2	7.71	2.8	<1	<5	<5	10900	<50	51	<0.2	14	<5	<0.01	<0.05	<1	1.2
FX 770174	<5	<5	<2	310	<1	4	15	190	<2	3.95	2.8	<1	<5	<5	15600	140	55	<0.2	18	<5	<0.01	<0.05	<1	1.2
FX 770175	<5	<5	<2	250	<1	4	17	180	<2	3.52	3.0	<1	<5	<5	26400	<50	<30	<0.2	18	<5	<0.01	<0.05	<1	1.1
FX 770176	<5	<5	<2	220	<1	4	12	160	<2	2.02	3.1	<1	<5	<5	35700	<50	45	<0.2	15	<5	<0.01	<0.05	<1	1.2
FX 770177	<5	<5	<2	240	<1	4	14	180	<2	2.33	3.2	<1	<5	<5	35000	<50	36	<0.2	14	<5	<0.01	<0.05	<1	1.0
FX 770178	<5	<5	<2	190	<1	4	11	150	<2	2.29	3.4	<1	<5	<5	44500	<50	43	<0.2	13	<5	<0.01	<0.05	<1	2.3
FX 770179	<5	<5	<2	110	<1	4	14	120	<2	12.7	2.4	<1	<5	<5	13300	<50	35	<0.2	22	<5	<0.01	<0.05	<1	3.2
FX 770180	<5	<5	<2	310	<1	3	8	250	2	2.70	4.7	<1	<5	<5	16400	<50	36	<0.2	13	<5	<0.01	<0.05	<1	2.1

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Sample description	AU PPM	AG PPM	AS PPM	BA PPM	BR PPM	CA PPM	CO PPM	CR PPM	CS PPM	FE PPM	HF PPM	HG PPM	IR PPM	MO PPM	NA PPM	NI PPM	RB PPM	SB PPM	SC PPM	SE PPM	SN PPM	SR PPM	TA PPM	TH PPM
FX 770181	<5	<5	<2	<100	<1	5	32	360	2	7.22	2.1	<1	<5	<5	14900	<50	56	<0.2	25	<5	<0.01	0.05	<1	1.0
FX 770182	<5	<5	<2	120	<1	5	25	270	<2	9.70	2.9	<1	<5	<5	13500	<50	32	<0.2	17	<5	<0.01	<0.05	<1	1.8
FX 770183	31	<5	<2	<100	<1	6	36	280	<2	13.2	3.1	<1	<5	<5	8550	<50	<30	<0.2	12	<5	<0.01	<0.05	<1	2.2
FX 770184	<5	<5	<2	110	<1	3	14	330	<2	3.57	2.8	<1	<5	<5	14600	<50	<30	<0.2	12	<5	<0.01	<0.05	<1	1.7
FX 770185	<5	<5	<2	<100	1	2	9	350	<2	4.34	2.3	<1	<5	<5	10200	<50	<30	<0.2	6.6	<5	<0.01	<0.05	<1	1.4
FX 770186	<5	<5	<2	120	<1	2	8	270	<2	5.54	4.1	<1	<5	<5	13500	<50	<30	<0.2	8.2	<5	<0.01	<0.05	<1	2.6
FX 770187	8	<5	<2	<100	<1	3	19	350	<2	10.3	2.9	<1	<5	<5	6890	<50	<30	<0.2	5.1	<5	<0.01	<0.05	<1	1.6
FX 770188	<5	<5	<2	110	<1	2	24	230	<2	9.00	4.1	<1	<5	<5	17800	<50	<30	<0.2	10	<5	<0.01	<0.05	<1	2.2
FX 770189	<5	<5	<2	200	2	2	18	200	<2	5.37	5.1	<1	<5	<5	2670	<50	68	<0.2	13	<5	<0.01	<0.05	<1	2.6
FX 770190	<5	<5	<2	110	2	3	<5	210	<2	3.60	6.6	<1	<5	<5	3830	<50	<30	<0.2	6.9	<5	<0.01	<0.05	<1	3.1
FX 770191	31	<5	<2	180	2	3	<5	210	<2	3.62	7.3	<1	<5	<5	5010	<50	34	<0.2	8.5	<5	<0.01	<0.05	<1	3.8
FX 770192	8	<5	<2	240	<1	2	9	170	<2	4.52	6.1	<1	<5	<5	7110	<50	43	<0.2	8.3	<5	<0.01	<0.05	<1	2.8
FX 770193	25	16	<2	330	<1	<1	13	120	<2	7.45	7.4	<1	<5	5	2810	<50	71	0.4	14	<5	<0.01	<0.05	<1	3.3
FX 770194	<5	<5	<2	240	<1	2	9	160	<2	4.57	5.5	<1	<5	<5	3830	<50	77	<0.2	12	<5	<0.01	<0.05	<1	2.6
FX 770195	<5	<5	<2	350	2	2	9	230	<2	3.43	6.0	<1	<5	<5	3320	<50	90	<0.2	11	<5	<0.01	<0.05	<1	2.7
FX 770196	<5	<5	<2	390	3	5	28	290	<2	6.01	6.6	<1	6	<5	2620	<50	80	<0.2	19	<5	<0.01	<0.05	<1	3.5
FX 770197	<5	<5	<2	300	<1	4	15	250	<2	4.56	4.9	<1	<5	<5	5980	<50	61	<0.2	14	<5	<0.01	<0.05	<1	2.1
FX 770198	<5	<5	<2	320	<1	5	13	260	<2	4.56	4.6	<1	<5	<5	8430	<50	63	<0.2	13	<5	<0.01	<0.05	<1	1.9
FX 770199	7	<5	<2	280	2	3	12	210	<2	5.00	4.6	<1	<5	<5	12900	<50	68	<0.2	14	<5	<0.01	<0.05	<1	2.3
FX 770200	<5	<5	<2	290	2	3	10	210	<2	4.48	4.4	<1	<5	<5	13600	<50	60	<0.2	11	<5	<0.01	<0.05	<1	2.2
FX 770201	13	<5	9	890	3	1	25	300	<2	7.01	4.0	<1	<5	<5	10600	<50	58	<0.2	5.7	<5	<0.01	<0.05	<1	1.1
FX 770202	9	<5	<2	330	<1	1	16	300	2	9.73	3.4	<1	<5	<5	4560	<50	42	<0.2	8.0	<5	<0.01	<0.05	<1	2.7
FX 770203	9	<5	<2	330	2	<1	12	250	<2	9.75	2.9	<1	<5	<5	4210	<50	47	<0.2	5.6	<5	<0.01	<0.05	<1	1.5
FX 770204	12	<5	<2	130	3	<1	13	280	3	10.0	3.0	<1	<5	<5	2500	<50	47	<0.2	4.1	<5	<0.01	<0.05	<1	1.4
FX 770205	<5	<5	<2	120	4	<1	13	310	2	7.32	3.3	<1	<5	<5	1880	<50	69	<0.2	5.0	<5	<0.01	<0.05	<1	2.7
FX 770206	<5	<5	<2	380	2	<1	<5	310	4	2.74	3.9	<1	<5	<5	18200	<50	100	<0.2	5.0	<5	<0.01	<0.05	<1	22
FX 770207	<5	<5	<2	130	1	2	<5	300	4	1.05	4.1	<1	<5	<5	25700	<50	66	<0.2	2.2	<5	<0.01	<0.05	<1	11
FX 770208	5	<5	<2	680	1	<1	<5	230	2	1.66	4.0	<1	<5	<5	22700	<50	87	<0.2	3.7	<5	<0.01	<0.05	<1	7.5
FX 770209	<5	<5	<2	410	<1	2	<5	260	2	1.28	3.7	<1	<5	<5	21600	<50	92	<0.2	3.5	<5	<0.01	<0.05	<1	23
FX 770210	<5	<5	<2	670	<1	2	26	380	5	4.93	3.3	<1	<5	<5	22900	260	130	<0.2	19	<5	<0.01	<0.05	<1	12
FX 770211	<5	<5	<2	760	<1	<1	16	340	3	3.39	2.5	<1	<5	83	23000	<50	80	<0.2	12	<5	<0.01	<0.05	<1	21
FX 770212	<5	<5	<2	500	<1	2	20	350	4	4.72	3.0	<1	<5	<5	23500	320	120	<0.2	19	<5	<0.01	<0.05	<1	14
FX 770213	<5	<5	<2	610	<1	<1	17	320	4	5.10	2.7	<1	<5	15	24300	<50	100	<0.2	26	<5	<0.01	<0.05	<1	60
FX 770214	<5	<5	<2	460	<1	2	20	360	4	4.12	2.7	<1	<5	<5	23200	260	72	<0.2	14	<5	<0.01	<0.05	<1	7.8
FX 770215	<5	<5	<2	410	<1	2	20	340	4	3.72	3.1	<1	<5	<5	25600	170	52	<0.2	12	<5	<0.01	<0.05	<1	5.0
FX 770216	<5	<5	<2	370	2	2	17	360	4	3.29	2.7	<1	<5	<5	22300	<50	51	<0.2	10	<5	<0.01	<0.05	<1	4.6
FX 770217	<5	<5	<2	470	<1	2	18	380	4	3.38	2.8	<1	<5	<5	23300	<50	54	<0.2	12	<5	<0.01	<0.05	<1	5.3
FX 770218	<5	<5	<2	510	<1	3	21	350	3	3.84	3.0	<1	<5	<5	25400	<50	75	<0.2	13	<5	<0.01	<0.05	1	5.0
FX 770219	<5	<5	<2	480	<1	2	20	330	5	3.94	3.1	<1	<5	<5	28000	<50	65	<0.2	13	<5	<0.01	<0.05	<1	5.9
FX 770220	<5	<5	<2	510	<1	2	20	370	5	3.86	3.2	<1	<5	<5	27700	180	72	<0.2	13	<5	<0.01	<0.05	1	6.0
FX 770221	<5	<5	<2	460	<1	<1	19	310	5	3.88	3.1	<1	<5	<5	27500	170	91	<0.2	13	<5	<0.01	<0.05	<1	5.3
FX 770222	<5	<5	<2	510	<1	2	21	370	5	3.90	3.2	<1	<5	<5	27500	<50	110	<0.2	13	<5	<0.01	<0.05	<1	5.8
RX 194093	108	<5	3	280	<1	3	62	410	2	11.2	3.2	<1	11	<5	11500	1400	50	0.4	25	7	<0.01	<0.05	<1	5.6

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Sample description	U PPM	W PPM	ZN PPM	LA PPM	CE PPM	ND PPM	SM PPM	KU PPM	TB PPM	YB PPM	LU Mass g	
FX 770001	<0.5	<4	67	11.2	23	10	2.0	0.9	<0.5	0.2	<0.05	1.578
FX 770002	0.6	<4	180	11.6	25	14	2.8	0.9	<0.5	1.9	0.28	1.824
FX 770003	<0.5	<4	120	12.0	27	14	2.8	0.8	<0.5	1.9	0.29	1.717
FX 770004	<0.5	<4	160	15.1	32	15	3.1	0.9	0.6	1.7	0.25	1.741
FX 770005	0.7	<4	170	10.4	25	11	2.7	0.9	<0.5	1.9	0.28	1.863
FX 770006	<0.5	<4	180	11.5	27	15	2.7	0.8	0.5	1.6	0.29	1.719
FX 770007	0.6	<4	180	11.2	26	14	2.6	0.9	0.5	1.6	0.29	1.561
FX 770008	<0.5	<4	150	10.5	25	13	2.6	0.8	0.5	1.5	0.22	1.686
FX 770009	0.8	<4	170	21.8	46	20	3.3	1.0	<0.5	1.1	0.17	1.632
FX 770010	<0.5	<4	120	10.4	23	9	2.5	0.5	<0.5	0.8	0.13	1.883
FX 770011	0.6	<4	93	7.4	14	9	1.2	0.8	<0.5	0.2	<0.05	1.725
FX 770012	<0.5	<4	<50	7.1	15	8	1.5	0.8	<0.5	0.3	0.06	1.678
FX 770013	<0.5	<4	<50	8.3	16	7	1.0	1.1	<0.5	<0.2	<0.05	1.699
FX 770014	<0.5	<4	<50	5.9	10	<5	0.4	0.9	<0.5	<0.2	<0.05	1.608
FX 770015	0.9	<4	<50	5.8	11	<5	0.6	0.9	<0.5	0.4	0.06	1.665
FX 770016	1.1	<4	<50	6.4	13	6	1.1	1.0	<0.5	0.5	0.09	1.502
FX 770017	<0.5	<4	<50	5.9	11	<5	0.6	1.1	<0.5	<0.2	<0.05	1.567
FX 770018	0.9	<4	<50	9.8	19	11	2.0	1.5	<0.5	0.5	0.08	1.411
FX 770019	1.3	<4	76	5.5	11	<5	0.9	0.8	<0.5	0.4	0.08	1.605
FX 770020	<0.5	<4	<50	5.5	9	<5	0.4	0.8	<0.5	<0.2	<0.05	1.607
FX 770021	0.5	<4	95	7.9	17	9	1.6	1.0	<0.5	0.6	0.09	1.590
FX 770022	<0.5	<4	160	46.5	88	44	6.7	2.2	0.8	2.3	0.37	1.836
FX 770023	<0.5	<4	<50	5.3	8	<5	0.3	0.8	<0.5	<0.2	<0.05	1.570
FX 770024	<0.5	<4	<50	5.8	10	<5	0.3	0.8	<0.5	<0.2	<0.05	1.610
FX 770025	<0.5	<4	96	5.8	18	17	4.7	0.6	0.6	1.5	0.21	1.866
FX 770026	<0.5	<4	50	4.3	11	6	1.7	0.3	<0.5	0.7	0.10	1.946
FX 770027	<0.5	<4	91	4.2	10	8	1.2	0.4	<0.5	0.4	0.06	2.272
FX 770028	<0.5	<4	<50	7.2	17	12	2.5	0.7	<0.5	0.9	0.14	1.714
FX 770029	<0.5	<4	<50	10.1	23	13	3.9	0.7	<0.5	1.4	0.17	1.895
FX 770030	<0.5	<4	<50	37.8	58	21	3.1	0.9	<0.5	0.6	0.10	1.722
FX 770031	<0.5	<4	<50	16.7	32	14	3.0	1.0	<0.5	0.7	0.13	1.685
FX 770032	<0.5	<4	61	12.8	30	21	5.2	1.0	<0.5	2.4	0.38	1.747
FX 770033	<0.5	<4	110	7.6	25	18	5.1	1.0	0.8	3.1	0.49	1.929
FX 770034	<0.5	<4	<50	10.0	29	18	5.5	0.8	0.8	3.8	0.59	1.895
FX 770035	<0.5	<4	<50	23.6	40	17	3.5	0.8	<0.5	1.0	0.20	1.706
FX 770036	1.3	<4	64	24.7	46	20	3.0	0.9	<0.5	0.6	0.10	1.448
FX 770037	1.0	<4	85	24.7	49	21	3.2	1.1	<0.5	0.7	0.11	1.584
FX 770038	<0.5	<4	77	30.4	56	22	3.3	1.0	<0.5	0.5	0.10	1.674
FX 770039	1.2	<4	160	29.3	62	26	4.8	1.3	0.6	1.0	0.15	1.679
FX 770040	1.5	<4	150	34.3	57	22	3.5	1.1	<0.5	0.6	0.10	1.573
FX 770041	0.8	<4	240	20.6	39	15	2.2	1.1	<0.5	0.6	0.12	1.934
FX 770042	0.6	<4	260	30.2	53	19	3.1	1.1	<0.5	0.5	0.10	1.606
FX 770043	1.2	<4	210	24.2	48	19	2.4	1.3	<0.5	0.3	0.06	1.506
FX 770044	0.6	<4	170	8.4	14	5	0.6	1.0	<0.5	0.3	0.06	2.332
FX 770045	<0.5	<4	110	12.1	23	8	1.0	1.1	<0.5	0.3	0.07	1.591

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Sample description	U PPM	W PPM	ZN PPM	IA PPM	CE PPM	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM	Mass g
FX 770046	0.7	<4	<50	8.5	13	6	0.7	0.7	<0.5	0.2	<0.05	1.525
FX 770047	0.8	<4	<50	17.0	37	17	3.5	0.9	<0.5	2.1	0.31	1.394
FX 770048	0.7	<4	68	16.1	38	18	3.8	0.9	0.6	2.0	0.32	1.686
FX 770049	0.5	<4	71	18.9	42	23	4.7	1.0	0.6	2.6	0.41	1.818
FX 770050	<0.5	<4	110	8.4	21	9	2.3	0.7	<0.5	2.2	0.34	1.737
FX 770051	0.5	<4	150	16.2	41	19	4.2	1.0	0.6	2.4	0.40	1.419
FX 770052	0.5	<4	72	14.4	31	16	3.5	1.1	0.6	1.9	0.30	1.456
FX 770053	0.6	<4	61	6.6	14	7	2.0	0.7	<0.5	1.3	0.20	1.427
FX 770054	0.8	<4	120	5.6	13	7	1.6	0.3	<0.5	1.0	0.17	1.404
FX 770055	2.2	<4	<50	4.7	7	<5	0.4	0.4	<0.5	0.6	0.08	1.457
FX 770056	0.5	<4	<50	14.0	26	9	1.9	0.5	<0.5	1.3	0.20	2.000
FX 770057	1.1	<4	<50	7.0	12	7	0.6	0.6	<0.5	0.3	0.06	1.560
FX 770058	1.0	<4	120	8.5	20	7	1.1	0.6	<0.5	0.9	0.16	1.712
FX 770059	<0.5	<4	<50	11.1	19	6	1.0	0.4	<0.5	0.3	<0.05	1.544
FX 770060	<0.5	<4	<50	5.2	8	<5	0.4	0.5	<0.5	0.2	<0.05	1.588
FX 770061	0.6	<4	<50	23.3	44	17	3.5	0.6	<0.5	0.7	0.13	1.633
FX 770062	0.6	<4	91	23.5	50	24	5.2	0.9	0.8	3.5	0.52	1.370
FX 770063	0.9	<4	58	23.1	52	26	5.4	1.0	0.8	3.2	0.50	1.568
FX 770064	0.9	<4	62	22.8	51	25	5.4	1.0	1.0	3.5	0.51	1.548
FX 770065	<0.5	<4	87	25.7	59	27	6.2	1.2	0.9	4.2	0.64	1.482
FX 770066	0.7	<4	<50	23.2	47	25	5.2	0.9	0.9	3.0	0.46	1.690
FX 770067	<0.5	<4	<50	23.7	54	26	5.0	1.2	0.6	1.9	0.32	1.615
FX 770068	0.7	<4	<50	12.0	26	11	2.9	0.5	<0.5	1.8	0.26	1.800
FX 770069	<0.5	<4	130	10.2	22	10	2.4	0.5	<0.5	1.8	0.28	1.771
FX 770070	0.6	<4	180	12.6	29	14	2.7	0.7	0.5	2.2	0.36	1.752
FX 770071	0.6	<4	82	18.8	40	19	4.1	0.8	0.7	2.7	0.41	2.333
FX 770072	<0.5	<4	68	9.7	22	9	2.2	0.4	<0.5	1.5	0.24	1.956
FX 770073	0.5	<4	<50	21.8	46	22	4.3	0.8	0.7	3.0	0.46	1.713
FX 770074	0.6	<4	<50	12.1	23	10	2.3	0.4	<0.5	1.4	0.23	2.584
FX 770075	<0.5	<4	50	13.3	27	13	2.4	0.5	<0.5	1.8	0.28	1.889
FX 770076	<0.5	<4	78	12.4	26	12	2.4	0.7	0.5	1.8	0.27	1.500
FX 770077	<0.5	<4	120	10.0	19	8	1.8	0.5	<0.5	1.5	0.21	2.091
FX 770078	<0.5	<4	130	7.9	16	7	1.5	0.5	<0.5	1.2	0.18	1.646
FX 770079	<0.5	<4	200	12.1	28	12	2.3	0.7	<0.5	1.4	0.22	1.738
FX 770080	<0.5	<4	73	5.7	11	6	1.2	0.4	<0.5	0.6	0.10	1.897
FX 770081	0.5	<4	160	13.3	32	14	2.5	0.7	<0.5	1.4	0.23	1.726
FX 770082	<0.5	<4	110	13.0	28	11	2.3	0.6	<0.5	1.5	0.24	1.545
FX 770083	0.6	<4	110	14.4	33	14	2.6	0.7	<0.5	1.5	0.24	1.721
FX 770084	0.6	<4	55	17.0	34	14	2.6	0.8	<0.5	1.5	0.26	2.219
FX 770085	<0.5	<4	<50	20.0	44	18	3.4	0.8	0.6	2.2	0.35	1.665
FX 770086	0.7	<4	<50	21.7	47	19	3.4	0.8	<0.5	2.3	0.36	1.540
FX 770087	<0.5	<4	<50	17.3	37	16	2.9	0.7	0.5	2.0	0.31	1.600
FX 770088	1.1	<4	<50	23.9	43	18	3.1	0.9	<0.5	0.9	0.15	1.560
FX 770089	1.1	<4	<50	22.1	40	15	2.9	0.8	<0.5	1.1	0.17	1.679
FX 770090	0.8	<4	<50	17.2	33	13	2.4	0.6	<0.5	1.1	0.16	1.473

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Sample description	U PPM	W PPM	ZN PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	IU PPM	Mass g
FX 770091	1.1	<4	70	32.0	66	32	6.0	0.8	0.9	4.0	0.60	1.888
FX 770092	<0.5	<4	81	11.4	29	20	6.3	0.5	1.2	2.9	0.45	2.276
FX 770093	<0.5	<4	75	19.3	42	20	4.2	0.9	0.8	3.5	0.54	1.829
FX 770094	<0.5	<4	63	9.4	24	12	2.5	0.7	<0.5	1.9	0.32	1.789
FX 770095	<0.5	<4	94	11.3	28	15	2.8	1.0	<0.5	1.5	0.22	1.499
FX 770096	0.6	<4	<50	19.0	36	13	3.5	0.7	0.6	2.3	0.36	2.131
FX 770097	1.5	<4	<50	29.9	68	34	6.2	1.5	0.7	2.2	0.33	1.486
FX 770098	1.3	<4	<50	38.2	83	40	7.8	1.1	1.1	2.7	0.42	1.640
FX 770099	3.0	<4	73	10.4	25	9	2.5	0.7	<0.5	1.2	0.18	1.691
FX 770100	1.3	<4	82	17.7	36	15	3.1	1.0	<0.5	1.2	0.18	1.607
FX 770101	0.6	<4	<50	14.7	26	13	2.5	0.8	<0.5	1.1	0.15	1.488
FX 770102	<0.5	<4	91	12.1	29	13	2.8	0.9	0.5	1.3	0.18	1.722
FX 770103	<0.5	<4	<50	6.5	12	7	1.4	0.4	<0.5	0.5	0.10	1.642
FX 770104	<0.5	<4	50	6.4	15	9	1.9	0.6	<0.5	0.8	0.10	1.637
FX 770105	0.6	<4	130	10.2	24	14	3.1	0.9	<0.5	2.2	0.32	1.448
FX 770106	<0.5	<4	56	15.8	35	15	2.9	0.7	<0.5	1.1	0.17	1.862
FX 770107	0.6	<4	77	8.4	17	7	2.2	0.8	<0.5	1.5	0.24	1.880
FX 770108	<0.5	<4	95	9.9	22	10	2.8	1.0	0.6	1.9	0.26	1.684
FX 770109	0.9	<4	54	9.1	20	9	2.0	0.7	<0.5	1.0	0.16	1.654
FX 770110	<0.5	<4	190	11.5	28	15	2.7	0.8	<0.5	1.5	0.22	1.501
FX 770111	<0.5	<4	120	12.1	28	15	2.8	0.8	<0.5	1.2	0.17	1.407
FX 770112	0.6	<4	190	11.5	26	12	2.6	0.8	<0.5	1.6	0.22	1.554
FX 770113	<0.5	<4	<50	42.8	78	23	3.0	1.0	<0.5	0.4	0.08	1.537
FX 770114	0.7	<4	58	44.7	79	26	3.4	0.9	<0.5	0.5	0.05	2.140
FX 770115	<0.5	<4	<50	56.1	96	32	3.7	1.0	<0.5	0.5	0.05	1.668
FX 770116	0.6	<4	61	51.4	91	36	4.0	1.0	<0.5	0.8	0.17	1.678
FX 770117	1.6	<4	<50	25.7	51	22	3.8	1.1	<0.5	1.1	0.18	1.664
FX 770118	1.7	<4	180	28.6	58	25	4.4	1.3	<0.5	1.4	0.20	1.590
FX 770119	2.1	<4	120	13.0	30	14	2.9	0.8	<0.5	1.4	0.22	1.608
FX 770120	1.2	<4	<50	15.1	35	20	3.8	1.0	<0.5	1.9	0.28	1.381
FX 770121	3.3	<4	260	159	290	113	16	1.1	<0.5	0.9	0.15	1.335
FX 770122	<0.5	<4	140	7.8	18	8	2.1	0.8	<0.5	1.4	0.22	1.575
FX 770123	<0.5	<4	230	8.2	18	<5	2.2	0.8	<0.5	1.5	0.24	1.683
FX 770124	<0.5	<4	90	8.5	20	12	2.2	0.9	0.8	1.4	0.23	1.828
FX 770125	<0.5	<4	150	8.4	20	11	2.3	0.8	<0.5	1.3	0.22	1.476
FX 770126	<0.5	<4	130	10.9	24	12	2.4	0.8	0.5	1.8	0.30	2.286
FX 770127	<0.5	<4	130	6.7	16	8	1.4	0.5	<0.5	1.1	0.16	1.749
FX 770128	<0.5	<4	<50	11.5	25	11	2.3	0.7	<0.5	1.5	0.26	1.775
FX 770129	0.7	<4	96	12.1	25	11	2.3	0.7	<0.5	0.9	0.16	2.121
FX 770130	0.5	<4	<50	12.7	29	12	2.7	0.8	<0.5	1.7	0.27	1.832
FX 770131	0.6	<4	99	13.5	29	18	3.0	0.9	<0.5	1.7	0.28	1.607
FX 770132	0.6	<4	65	16.3	38	22	3.5	0.8	0.6	1.9	0.32	1.553
FX 770133	0.6	<4	91	15.3	34	16	3.2	0.8	<0.5	2.2	0.37	1.471
FX 770134	0.7	<4	77	15.0	33	15	3.1	0.8	0.6	1.6	0.26	1.694
FX 770135	0.6	<4	83	16.4	37	19	3.3	0.7	<0.5	1.7	0.29	1.570

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Sample description	U PPM	W PPM	SN PPM	LA PPM	CE PPM	ND PPM	SH PPM	EU PPM	TB PPM	YB PPM	LU PPM	Mass g
FX 770136	0.6	<4	55	14.9	33	14	3.0	0.8	<0.5	1.5	0.25	1.473
FX 770137	0.6	<4	70	17.2	36	18	3.6	0.9	<0.5	2.1	0.33	1.567
FX 770138	1.9	<4	200	27.1	54	23	4.2	1.1	<0.5	1.2	0.22	1.490
FX 770139	2.6	<4	140	34.8	72	34	5.9	1.2	<0.5	0.8	0.14	1.558
FX 770140	1.7	<4	170	24.2	52	19	3.8	1.1	<0.5	1.1	0.22	1.392
FX 770141	1.2	<4	320	17.3	34	14	2.6	0.7	<0.5	1.0	0.14	1.829
FX 770142	<0.5	<4	260	2.8	7	<5	0.5	0.3	<0.5	0.3	<0.05	2.162
FX 770143	1.1	<4	1500	16.5	34	16	3.1	1.1	0.5	0.6	0.10	1.582
FX 770144	2.2	<4	6500	22.8	48	21	3.6	1.5	<0.5	3.8	0.66	1.621
FX 770145	2.1	<4	2400	17.0	34	15	2.4	1.0	<0.5	3.5	0.63	1.855
FX 770146	1.8	<4	3300	26.5	49	17	2.6	1.5	<0.5	6.4	1.09	1.874
FX 770147	1.7	<4	2200	38.8	79	30	4.2	2.0	<0.5	6.1	1.03	1.820
FX 770148	2.5	<4	6300	38.5	82	30	5.6	2.1	<0.5	3.1	0.60	1.543
FX 770149	1.7	<4	1400	28.0	61	28	5.1	2.2	0.9	2.1	0.36	1.367
FX 770150	2.9	<4	2300	39.5	79	34	5.7	2.1	<0.5	3.0	0.51	1.513
FX 770151	2.6	<4	1300	40.6	81	33	5.7	1.5	0.9	3.1	0.49	1.446
FX 770152	3.6	<4	1400	47.2	91	38	6.1	1.7	0.9	2.7	0.48	1.343
FX 770153	2.6	<4	1200	43.1	86	34	5.9	1.5	<0.5	2.5	0.43	1.544
FX 770154	3.6	<4	1400	41.5	84	39	6.0	1.8	<0.5	2.7	0.47	1.398
FX 770155	1.3	<4	1700	23.6	50	22	4.5	2.1	<0.5	2.4	0.39	1.300
FX 770156	1.5	<4	1600	28.0	59	26	5.0	1.9	<0.5	2.6	0.41	1.349
FX 770157	1.7	<4	1900	21.2	47	21	4.1	1.8	0.8	2.4	0.41	1.105
FX 770158	1.1	<4	1700	17.7	36	16	3.3	1.4	<0.5	1.4	0.24	1.603
FX 770159	1.4	<4	160	23.7	48	22	3.7	1.3	<0.5	1.2	0.23	1.324
FX 770160	1.4	<4	220	24.7	52	22	3.8	1.2	<0.5	2.0	0.31	1.390
FX 770161	1.5	<4	120	23.3	46	21	3.6	1.2	<0.5	1.0	0.15	1.497
FX 770162	1.7	<4	880	22.5	47	24	3.9	1.6	<0.5	1.4	0.25	1.353
FX 770163	<0.5	<4	4500	17.6	40	17	3.2	1.1	<0.5	1.1	0.22	1.487
FX 770164	1.3	<4	370	23.8	47	21	3.7	1.2	<0.5	1.2	0.20	1.544
FX 770165	1.6	<4	120	24.5	49	19	3.8	1.0	<0.5	1.1	0.17	1.602
FX 770166	1.6	<4	100	24.4	48	22	3.8	1.1	<0.5	1.2	0.18	1.720
FX 770167	1.2	<4	290	18.7	39	17	3.0	0.8	<0.5	1.1	0.19	1.589
FX 770168	<0.5	<4	620	11.1	25	11	2.1	0.9	<0.5	1.1	0.22	1.875
FX 770169	0.6	<4	810	13.2	27	13	2.6	0.7	<0.5	1.5	0.22	1.422
FX 770170	<0.5	<4	270	11.8	24	9	2.3	0.8	<0.5	1.3	0.21	1.682
FX 770171	0.5	<4	110	12.3	27	16	2.7	0.9	0.5	1.9	0.27	2.031
FX 770172	1.3	<4	120	11.6	26	11	2.7	0.9	0.6	1.7	0.28	2.123
FX 770173	<0.5	<4	120	10.5	24	12	2.6	0.8	<0.5	1.4	0.22	1.771
FX 770174	<0.5	<4	80	10.8	24	13	2.7	0.9	<0.5	1.5	0.24	1.879
FX 770175	<0.5	<4	140	11.0	25	11	2.8	1.0	<0.5	1.5	0.25	1.747
FX 770176	<0.5	<4	120	10.9	25	14	2.7	0.9	<0.5	1.5	0.21	1.718
FX 770177	<0.5	<4	160	12.5	29	15	3.0	1.0	<0.5	1.5	0.25	2.064
FX 770178	1.2	<4	130	16.1	35	20	4.0	1.2	0.5	1.1	0.17	1.734
FX 770179	1.3	<4	120	12.1	28	13	2.9	0.7	0.6	2.0	0.35	2.000
FX 770180	<0.5	<4	150	16.8	39	21	4.1	1.3	0.6	2.2	0.34	1.829

Activation Laboratories Ltd. Work Order: 4962 Report: 4941

Sample description	U PPM	W PPM	Zn PPM	LA PPM	CE PPM	ND PPM	SH PPM	KU PPM	TB PPM	YB PPM	LU PPM	Mass g
FX 770181	<0.5	<4	190	9.4	23	14	2.5	0.8	<0.5	1.9	0.28	1.839
FX 770182	<0.5	<4	150	13.3	30	16	3.0	0.7	<0.5	1.6	0.27	1.971
FX 770183	1.2	<4	150	18.1	40	20	3.9	1.1	0.6	2.3	0.39	2.172
FX 770184	<0.5	<4	98	11.7	25	14	2.5	0.7	<0.5	1.2	0.19	2.103
FX 770185	<0.5	<4	<50	8.1	19	10	1.7	0.4	<0.5	1.1	0.19	2.146
FX 770186	<0.5	<4	82	19.6	41	21	4.0	1.0	0.6	1.8	0.28	2.109
FX 770187	0.5	<4	81	10.8	23	12	2.2	0.5	<0.5	1.4	0.23	1.966
FX 770188	0.8	<4	140	14.7	32	18	3.1	0.8	<0.5	2.1	0.34	1.984
FX 770189	0.8	<4	240	21.2	49	26	5.2	1.4	0.9	3.1	0.53	1.627
FX 770190	1.6	<4	170	26.4	63	32	6.4	1.5	1.2	4.0	0.64	1.987
FX 770191	1.0	<4	180	31.0	70	42	7.3	1.6	1.1	4.1	0.67	1.734
FX 770192	<0.5	<4	310	23.6	54	30	5.5	1.2	0.9	3.0	0.46	1.967
FX 770193	<0.5	<4	2200	29.2	69	37	6.8	2.0	1.0	2.3	0.36	2.001
FX 770194	0.5	<4	230	22.7	52	27	5.3	1.4	0.7	2.9	0.47	2.008
FX 770195	0.8	<4	100	23.3	53	30	5.3	1.3	0.8	3.4	0.53	1.863
FX 770196	0.9	<4	160	28.1	66	34	6.9	1.7	1.0	3.3	0.49	1.614
FX 770197	0.5	<4	130	18.1	43	21	4.4	1.2	0.6	2.5	0.38	1.760
FX 770198	<0.5	<4	150	19.9	47	24	4.8	1.5	0.6	2.3	0.36	1.737
FX 770199	<0.5	<4	190	20.4	48	25	4.8	1.4	0.8	2.6	0.39	1.679
FX 770200	0.5	<4	160	18.0	42	20	4.2	1.2	<0.5	2.1	0.32	1.876
FX 770201	0.9	<4	220	10.9	21	10	1.6	0.7	<0.5	0.8	0.13	1.619
FX 770202	0.6	<4	330	16.9	38	17	2.8	0.7	<0.5	2.7	0.43	1.766
FX 770203	0.6	<4	340	10.9	22	11	1.9	0.6	0.6	2.2	0.37	1.755
FX 770204	<0.5	<4	290	11.5	26	12	2.5	0.7	0.6	2.0	0.33	1.741
FX 770205	1.0	<4	270	12.3	28	12	2.4	0.4	<0.5	1.8	0.32	1.572
FX 770206	5.5	<4	140	25.5	55	25	5.0	0.6	<0.5	1.8	0.27	1.810
FX 770207	12	<4	<50	12.0	24	8	2.1	0.6	<0.5	1.0	0.21	1.618
FX 770208	1.8	<4	120	9.7	20	5	1.6	0.6	<0.5	0.9	0.18	1.500
FX 770209	5.0	<4	<50	21.1	44	18	3.6	0.6	<0.5	0.9	0.14	1.538
FX 770210	1.2	<4	150	43.8	85	34	5.8	1.1	<0.5	2.3	0.34	1.822
FX 770211	1.9	<4	110	58.5	110	46	6.7	1.3	<0.5	1.6	0.32	1.681
FX 770212	1.1	<4	170	46.7	92	39	6.1	1.2	0.9	2.7	0.41	1.887
FX 770213	2.8	<4	180	165	314	121	17	1.7	2.1	9.6	1.67	1.863
FX 770214	1.8	<4	97	30.4	57	24	4.1	1.1	<0.5	1.6	0.23	1.810
FX 770215	1.1	<4	130	23.3	46	19	3.5	1.0	<0.5	1.1	0.17	1.904
FX 770216	1.5	<4	110	21.0	44	18	3.3	0.9	<0.5	1.0	0.19	1.867
FX 770217	1.7	<4	120	22.9	48	24	3.5	1.0	<0.5	1.2	0.19	1.878
FX 770218	1.8	<4	120	24.1	52	23	4.1	1.1	<0.5	1.2	0.22	1.565
FX 770219	1.6	<4	120	25.0	53	25	4.1	1.1	<0.5	1.2	0.20	1.691
FX 770220	1.6	<4	150	26.3	54	24	4.0	1.1	<0.5	1.3	0.20	1.710
FX 770221	1.9	<4	130	25.8	52	20	4.1	1.1	<0.5	1.3	0.21	2.059
FX 770222	1.5	<4	120	25.8	52	24	4.1	1.1	<0.5	1.2	0.19	1.943
RX 194093	1.6	<4	250	22.1	45	22	4.1	1.0	0.8	2.6	0.43	2.232

XRAL

X-RAY ASSAY LABORATORIES

A DIVISION OF SGS SUPERVISION SERVICES INC.

1885 LESLIE STREET • DON MILLS, ONTARIO M3B 3J4 • CANADA
(416)445-5755 TELEX: 06-986947 FAX: (416)445-4152

**CERTIFICATE OF ANALYSIS
REPORT 2254**

TO: INCO EXPLORATION & TECH SERVICES INC
ATTN: HERB MACKOWIAK
FIELD EXPL. DEPT
HWY 17 W.
COPPER CLIFF, ONTARIO P0M 1N0

CUSTOMER No. 1736

DATE SUBMITTED
15-Apr-93

REF. FILE 14711-F1

Total Pages 2

26 PULPS P.O. 60378-56010

	METHOD	DETECTION LIMIT
WRMAJ %	WR	.01
WRMIN PPM	WR	10.

DATE 22-APR-93

CERTIFIED BY 
Jean H.L. Opdebeeck, General Manager

SAMPLE WITH LOW SUMS HAVE BEEN REPEATED WITH NO CHANGE
WE HAVE CHECKED FOR THE FOLLOWING ELEMENTS :
CU, ZN, NI, PB, CO, AS, U, MO

- OF WHICH NONE WERE FOUND
IN GREATER THAN TRACE/MINOR QUANTITIES



SAMPLE \ %	SI02	AL2O3	CAO	HGO	NA2O	K2O	FE2O3	MNO	TIO2	P2O5	CR2O3	LOI	SUM
FX 770001	71.3	14.5	1.46	.77	2.73	5.53	1.99	.02	.250	.05	.04	.65	99.4
FX 770003	61.8	16.1	6.04	3.50	2.75	1.35	6.15	.10	.720	.12	.05	.80	99.5
FX 770005	63.5	15.4	6.48	2.86	2.57	1.12	5.67	.12	.669	.12	.05	.60	99.2
FX 770007	62.8	16.3	6.18	3.39	3.15	1.26	5.83	.10	.686	.11	.05	.55	100.5
FX 770009	58.1	13.4	3.56	2.60	2.44	2.34	13.3	.10	.538	.14	.06	2.50	99.2
FX 770011	49.7	11.1	2.11	.88	2.65	1.82	26.2	.06	.224	.09	.05	5.60	100.6
FX 770014	73.3	15.0	3.29	.13	4.83	1.46	1.23	.01	.046	.03	.05	.40	99.9
FX 770016	72.7	12.9	2.86	.30	4.02	1.46	4.69	.03	.089	.09	.05	1.15	100.5
FX 770020	71.5	13.3	2.99	.35	4.19	1.08	4.98	.03	.074	.03	.05	1.05	99.7
FX 770022	46.4	13.9	9.15	4.82	2.64	1.70	13.6	.21	1.48	.46	.02	2.30	96.9
FX 770030	65.6	14.7	3.58	2.22	3.88	2.02	4.93	.11	.564	.10	.05	.50	98.4
FX 770035	58.2	16.7	3.46	4.01	3.88	3.04	7.77	.13	.722	.18	.06	.60	98.9
FX 770041	62.4	13.8	4.12	1.55	3.03	1.44	9.66	.06	.394	.06	.07	1.80	98.5
FX 770046	68.2	13.8	3.18	1.32	3.76	1.56	5.84	.05	.372	.03	.06	.90	99.2
FX 770138	61.5	16.4	2.59	3.39	2.78	3.00	6.54	.12	.643	.16	.05	2.25	99.5
FX 770139	63.5	15.6	2.81	1.95	2.01	4.72	5.83	.09	.428	.14	.05	2.60	99.9
FX 770140	60.1	15.0	2.88	2.60	1.86	4.09	8.08	.13	.597	.17	.05	2.95	98.6
FX 770143	68.4	12.3	2.09	1.19	3.60	1.65	7.25	.25	.387	.14	.05	2.15	99.6
FX 770159	60.0	14.0	3.83	2.49	1.65	2.42	6.24	.11	.555	.16	.06	6.60	98.3
FX 770161	61.5	14.2	4.21	2.48	2.72	1.62	5.35	.09	.558	.16	.06	6.50	99.6
FX 770163	31.1	5.68	.79	1.32	.70	1.34	37.2	.15	.247	.04	.04	21.0	99.7
FX 770166	59.8	14.0	6.16	2.83	2.30	2.37	7.13	.11	.568	.16	.06	1.60	97.2
FX 770169	65.9	13.5	2.99	1.43	2.71	1.61	6.79	.12	.546	.11	.05	2.75	98.6
FX 770170	64.7	14.3	3.99	1.76	2.78	1.49	6.79	.19	.600	.11	.04	2.30	99.1
RX 124921	64.9	14.9	1.37	2.86	.62	4.66	4.56	.03	.492	.31	.02	4.00	99.0
RX 124922	52.9	13.3	2.99	.32	8.31	5.41	9.63	.78	.519	.06	.02	1.85	98.3
D FX 770001	71.0	14.5	1.44	.77	2.76	5.56	2.08	.02	.239	.05	.04	.60	99.2
D FX 770035	58.1	16.6	3.48	3.96	3.89	3.04	7.71	.13	.734	.18	.06	.65	98.7
D FX 770170	64.3	14.2	3.96	1.76	2.73	1.48	6.71	.18	.601	.11	.04	2.30	98.5

D - QUALITY CONTROL DUPLICATE

XRF W.R.A. SUMS INCLUDE ALL ELEMENTS DETERMINED. FOR SUMMATION, ELEMENTS ARE CALCULATED AS OXIDES

SAMPLE \ PPM	RB	SR	Y	ZR	NB	BA
FX 770001	99	179	<10	104	<10	838
FX 770003	32	231	12	139	17	135
FX 770005	26	221	<10	129	<10	103
FX 770007	22	258	16	140	<10	144
FX 770009	85	236	<10	94	13	424
FX 770011	32	288	<10	181	<10	542
FX 770014	15	773	<10	12	<10	506
FX 770016	16	581	<10	660	<10	451
FX 770020	15	587	<10	103	<10	123
FX 770022	51	450	15	230	59	651
FX 770030	57	506	13	177	17	549
FX 770035	108	499	<10	127	<10	675
FX 770041	32	337	<10	175	<10	375
FX 770046	59	458	<10	211	11	226
FX 770138	91	287	<10	128	13	479
FX 770139	117	347	<10	117	<10	579
FX 770140	83	291	16	105	<10	449
FX 770143	14	519	<10	80	17	275
FX 770159	68	307	13	128	<10	725
FX 770161	43	593	20	136	<10	457
FX 770163	31	42	<10	110	11	372
FX 770166	69	308	<10	119	10	645
FX 770169	45	299	13	106	12	280
FX 770170	49	330	<10	104	<10	229
RX 124921	127	256	21	180	<10	1830
RX 124922	188	4580	47	10900	936	350
D FX 770001	86	173	<10	123	14	794
D FX 770035	92	491	15	127	22	619
D FX 770170	30	335	11	113	<10	230

D - QUALITY CONTROL DUPLICATE

RECEIVED APR 27 1994 Receipt	Date Recorded APR 13/94	Mining Recorder <i>[Signature]</i>	Deemed Approval Date APR 15/94	Date Notice for Amendments Sent # JUNE 29/94	Total Value Cr. Recorded \$ 113,394
	Date Approved APR 15/94	Mining Recorder <i>[Signature]</i>	Deemed Approval Date APR 15/94	Date Notice for Amendments Sent # JUNE 29/94	Total Value Cr. Recorded \$ 113,394
	Date Approved APR 15/94	Mining Recorder <i>[Signature]</i>	Deemed Approval Date APR 15/94	Date Notice for Amendments Sent # JUNE 29/94	Total Value Cr. Recorded \$ 113,394

For Office Use Only

Telephone No. 705-682-8451	Date April 19, 1994	Certified By (Signature) <i>[Signature]</i>
Name and Address of Person Certifying E. J. Debicki, c/o Inco Exploration and Technical Services Inc. Hwy. 17 W. Copper Cliff, Ontario, P0M 1N0		
I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and annexed report is true.		

Certification of Work Report

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date April 19/94	Recorded Holder or Agent (Signature) <i>[Signature]</i>
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Certification of Beneficial Interest - See Note No. 1 on reverse side

(attach a schedule if necessary)

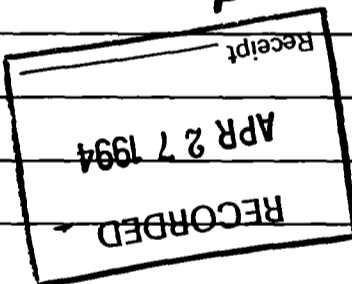
Name	Address
M. J. Labelle Company Limited	P.O. Box 610, Cochrane, Ontario, P0L 1C0
Bradley Brothers Limited	Highway 101 West, Timmins, Ontario, P4N 7E7
R. A. Clark	R. R. #1, Worthington, Ontario

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Total Assessment Work Claimed on the Attached Statement of Costs \$ 113,394

Work Group	Type	Work Performed (Check One Work Group Only)
Geotechnical Survey		
Physical Work, Including Drilling	x	Diamond Drilling
Rehabilitation		
Other Authorized Work		
Assays	x	INAA & whole rock
Assignment from Reserve		



Recorded Holder(s) Inco Limited	Client No. 147534
Address c/o Inco Exploration and Technical Services Inc. Hwy. 17 W. Copper Cliff, Ontario, P0M 1N0	Telephone No. 705-682-8451
Mining Division Porcupine	Township/Area Agate & Tucker
Dates Work Performed From: January 27, 1993 To: February 16, 1993	M or G Plan No. G3466/5941

- A separate copy of this form must be completed for each Work Group.
- Technical reports and maps must accompany this form in duplicate.
- A sketch, showing the claims the work is assigned to, must accompany this form.

Instructions: - Please type or print and submit in duplicate. - Refer to the Mining Act and Regulations for requirements of filing assessment work.

Personal information collected on this form is obtained under the authority of the Mining Act, S.S. 645, telephone (705) 670-7264.



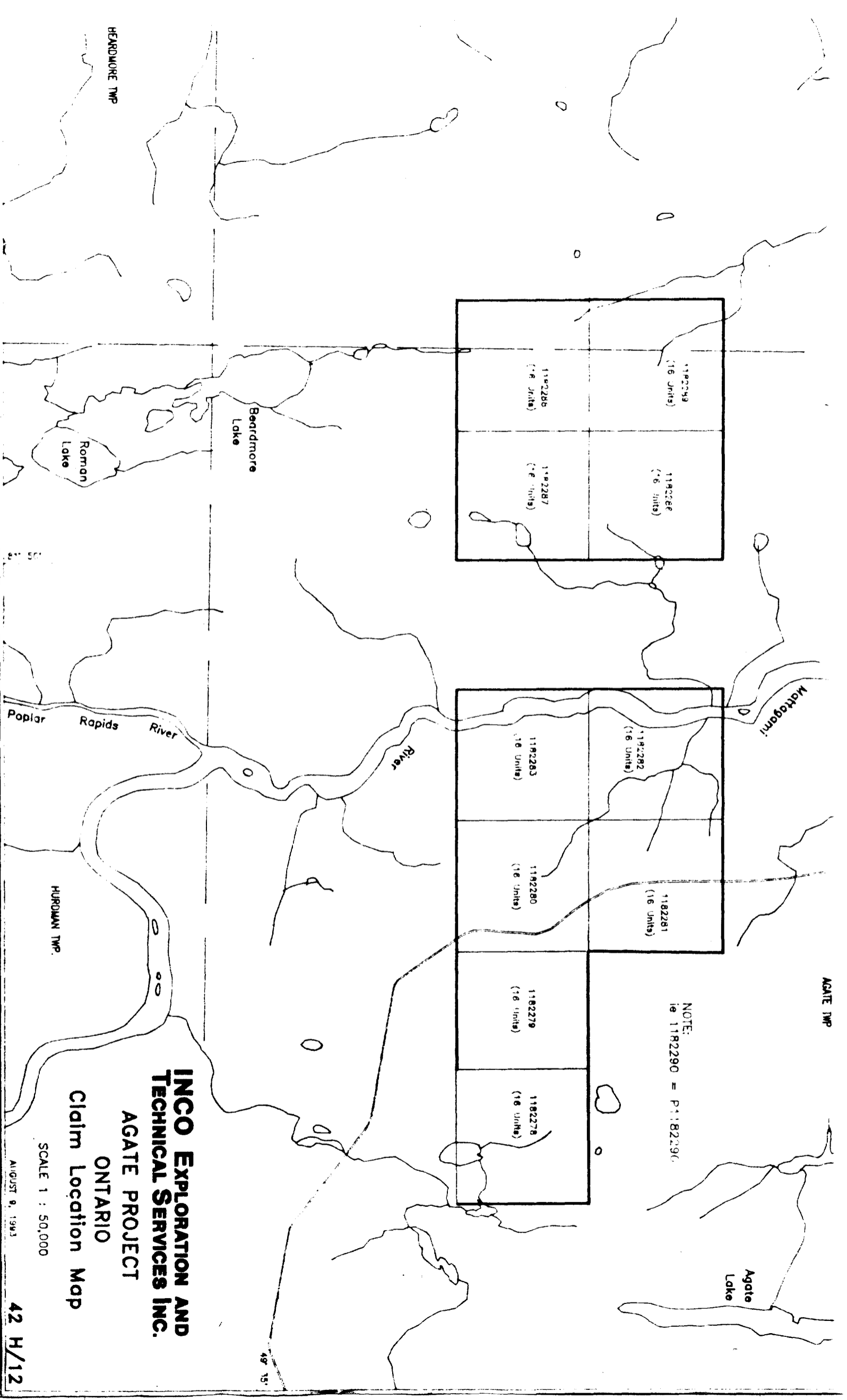
Report of Work Conducted After Recording Claim Mining Act

Ontario Ministry of Northern Development and Mines



Transaction Number
 W9460 00086

AFK



NOTE:
ie 1182290 = P1182290

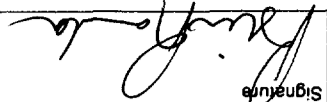
**INCO EXPLORATION AND
TECHNICAL SERVICES INC.**

**AGATE PROJECT
ONTARIO
Claim Location Map**

SCALE 1 : 50,000

AUGUST 9, 1993

42 H/12

Signature  Date April 19, 1994

to make this certification

à faire cette attestation.

that as Landman I am authorized

Et qu'à titre de (titulaire enregistré, représentant, poste occupé dans la compagnie) je suis autorisé

I hereby certify: that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

J'atteste par la présente : que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Certification Verifying Statement of Costs

Attestation de l'état des coûts

Total Value of Assessment Credit $\times 0.50 =$ Total Assessment Claimed

Valeur totale du crédit d'évaluation $\times 0.50 =$ Évaluation totale demandée

1. Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
2. Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
2. Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Filing Discounts

Remises pour dépôt

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note : Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

Type	Description	Amount	Total global
Wages	Salaires	15,100	
Contractor's Fees and Consultant's	Diamond Drilling	87,037	
	Snow ploughing	3,235	
	Core cutting	3,003	
	Haulage & storage	93,275	
Supplies Used	Assaying	1,925	
Equipment			
Rental			
Location de matériel			
Total Direct Costs		117,326	

Type	Description	Amount	Total global
Transportation	Truck Exp	990	
Food and Lodging	Meals & hotels	1,316	
Mobilization and demobilization			
Sub Total of Indirect Costs		2,306	
Amount Allowable (not greater than 20% of Direct Costs)		2,306	
Montant admissible (n'excédant pas 20 % des coûts directs)		2,306	
Total Value of Assessment Credit (Total of Direct and Allowable indirect costs)		119,632	

1. Direct Costs/Coûts directs

2. Indirect Costs/Coûts indirects

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Mornings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario. P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la Loi sur les mines et serviront à tenir à jour un registre des concessions minières. Adresser toute question sur la collecte de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4^e étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

Mining Act/Loi sur les mines

Statement of Costs for Assessment Credit
État des coûts aux fins du crédit d'évaluation

Ministry of Northern Development and Mines
Ontario
Ministère du Développement du Nord et des mines



Transaction No./N° de transaction U9460 00086

REFERENCES

AREAL WITHDRAWN FROM DISPOSITION

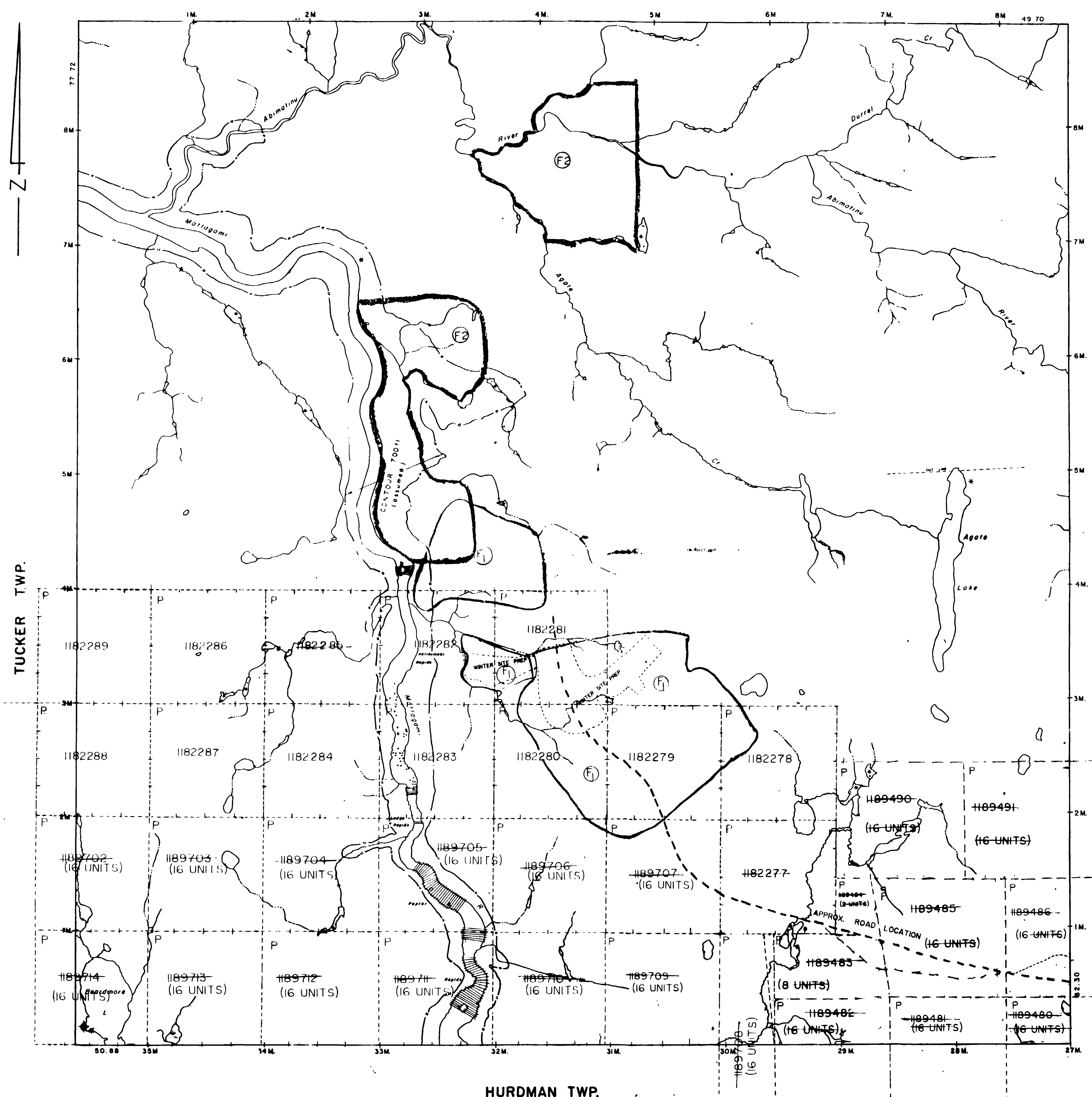
M.R.O. - MINING RIGHTS ONLY
 S.R.O. - SURFACE RIGHTS ONLY
 M+S. - MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File

FLOODING
 Flooding reservation on Mattingom River to contour elevation 700 feet to Ontario hydro for development at Cypress Falls

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON

MARCEAU TWP.



LEGEND

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES
- TOWNSHIPS, BASE LINES, ETC.
- LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES
- LOT LINES
- PARCEL BOUNDARY
- MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKELG
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" SURFACE RIGHTS ONLY	○
" MINING RIGHTS ONLY	○
LEASE, SURFACE & MINING RIGHTS	■
" SURFACE RIGHTS ONLY	□
" MINING RIGHTS ONLY	□
LICENCE OF OCCUPATION	○
ORDER-IN-COUNCIL	○
RESERVATION	○
CANCELLED	○
SAND & GRAVEL LAND USE PERMIT	○

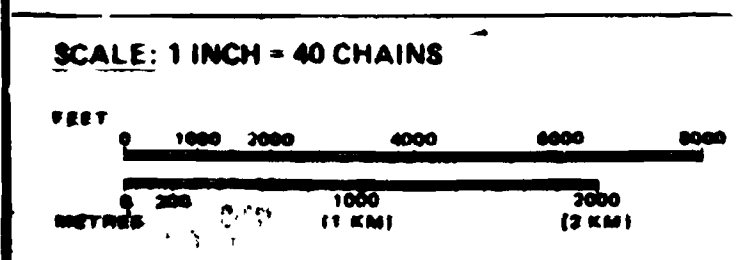
NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 1 1915, VESTED IN ORIGINAL PATENTEES BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 300, SEC. 42, SUBSEC. 1. TRAPLINE CLAIMS

REMOTE TOURIST CAMP

THIS TWP IS SUBJECT TO FORESTRY ACTIVITY IN 1993-14. FURTHER INFORMATION AVAILABLE ON FILE. NOTICE RECD MAY 26, 1993

THIS TWP IS SUBJECT TO FOREST ACTIVITY IN 1994/95. FURTHER INFORMATION AVAILABLE ON FILE.

ISSUED
 SEP - 9 1994
 PORCUPINE MINING DIVISION



TOWNSHIP
AGATE
 M.R.S. ADMINISTRATIVE DISTRICT
COCHRANE
 MINING DIVISION
PORCUPINE
 LAND TITLES / REGISTRY DIVISION
COCHRANE

Ministry of Natural Resources
 Ministry of Northern Development and Mines
 Ontario

Number
G-3466



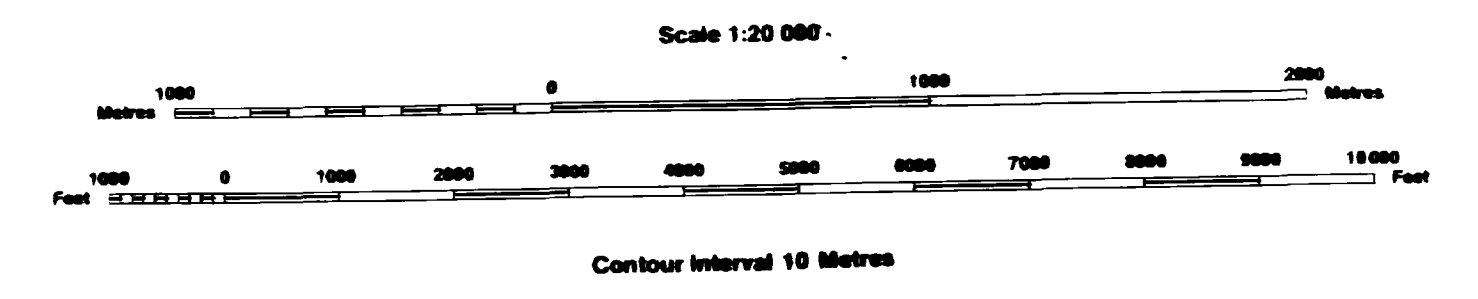
INDEX TO LAND DISPOSITION

PLAN
G-941
 TOWNSHIP

TUCKER

ILL. N. R. ADMINISTRATIVE DISTRICT
KAPUSKASING
 MINING DIVISION
PORCUPINE
 LAND TITLES/REGISTRY DIVISION
COCHRANE

ISSUED
 SEP - 9 1994
 PORCUPINE MINING DIVISION



ACTIVATED 91/DEC/02 AB

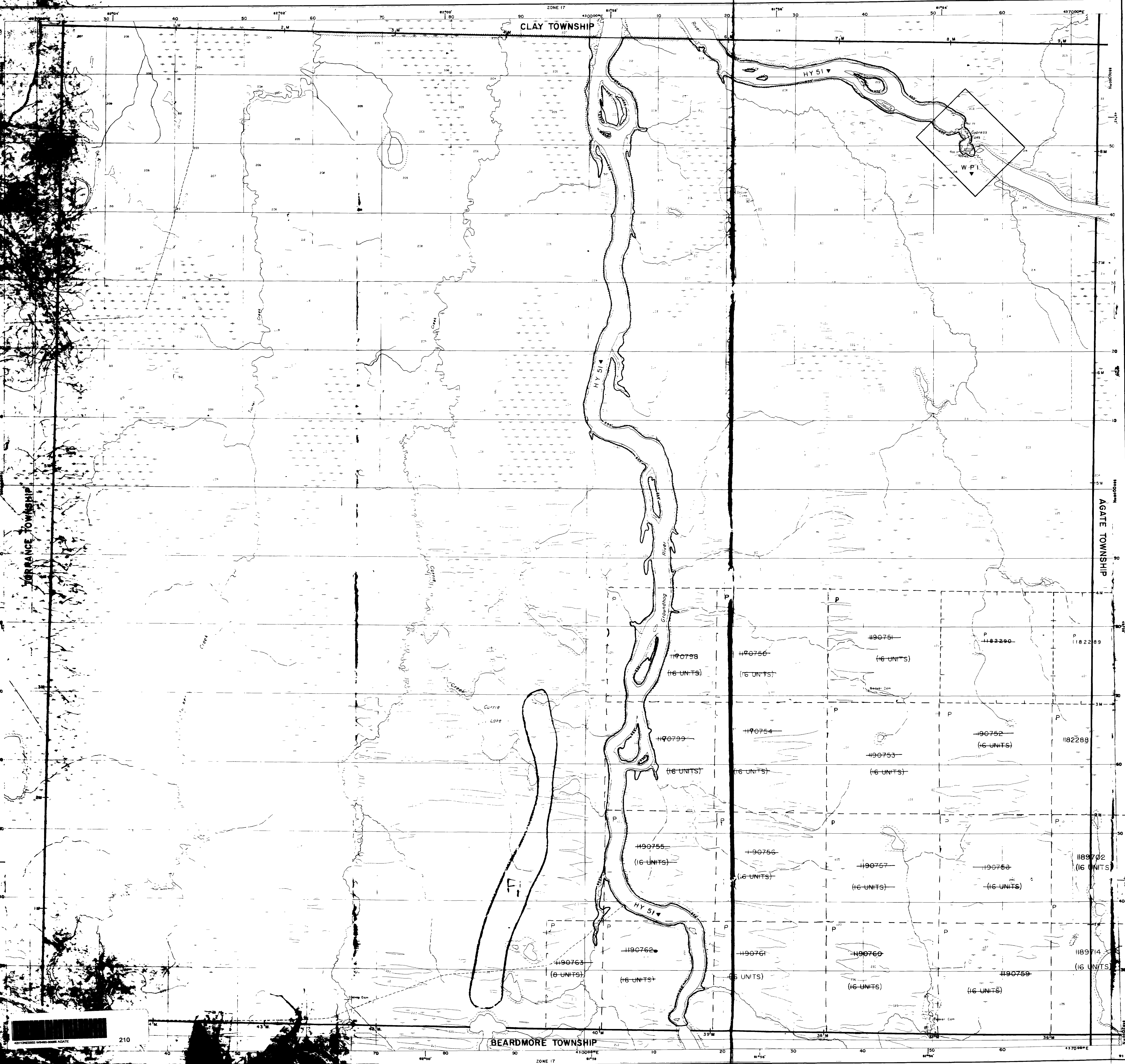
SYMBOLS

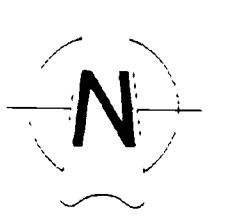
Boundary	Township, Meridian, Baseline	-----
Road allowance, surveyed	road	=====
shoreline	shoreline	~~~~~
Lot/Concession, surveyed	surveyed	-----
unsurveyed	unsurveyed	-----
Parcel, surveyed	surveyed	-----
unsurveyed	unsurveyed	-----
Right-of-way, road	road	=====
railway	railway	=====
utility	utility	=====
Reservation	Reservation	-----
Cliff, Pt. Pie	Cliff, Pt. Pie	-----
Contour	Contour	-----
Interpolated	Interpolated	-----
Approximate	Approximate	-----
Depression	Depression	-----
Control point (horizontal)	Control point (horizontal)	-----
Flooded land	Flooded land	-----
Mine head frame	Mine head frame	-----
Pipeline (above ground)	Pipeline (above ground)	-----
Railway, single track	Railway, single track	-----
double track	double track	-----
abandoned	abandoned	-----
Road, highway, county, township	Road, highway, county, township	-----
access	access	-----
trail, bush	trail, bush	-----
Shoreline (original)	Shoreline (original)	-----
Transmission line	Transmission line	-----
Wooded area	Wooded area	-----

F1 - SUBJECT TO FORESTRY ACTIVITY IN 1994/95

DISPOSITION OF CROWN LANDS

Patent	Surface & Mining Rights	●●●●●
Surface Rights Only	Surface Rights Only	●●●●●
Mining Rights Only	Mining Rights Only	●●●●●
Lease	Surface & Mining Rights	●●●●●
Surface Rights Only	Surface Rights Only	●●●●●
Mining Rights Only	Mining Rights Only	●●●●●
Licence of Occupation	Licence of Occupation	●●●●●
Order-in-Council	Order-in-Council	●●●●●
Cancelled	Cancelled	●●●●●
Reservation	Reservation	●●●●●
Sand & Gravel	Sand & Gravel	●●●●●





F1182290

P1182289

P1182286

P1182285

837 m North

Post #2 of P1182289

45 m West

155 m East

Post #1 of P1182288

177 m South

Post #4 of P1182287

375 m South

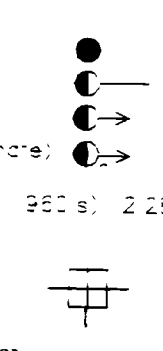
545 m West

P1182288

P1182287

DPL HOLE LEGEND

- Revised elevation of site
- EB drill site (1993)
- DB drill site (cored)
- DB drill site (section approx. core)
- Base map (1:50,000) contour interval 250m; 228m Dr 228m
- DBM lost section
- Distance of hole from DBM lost section



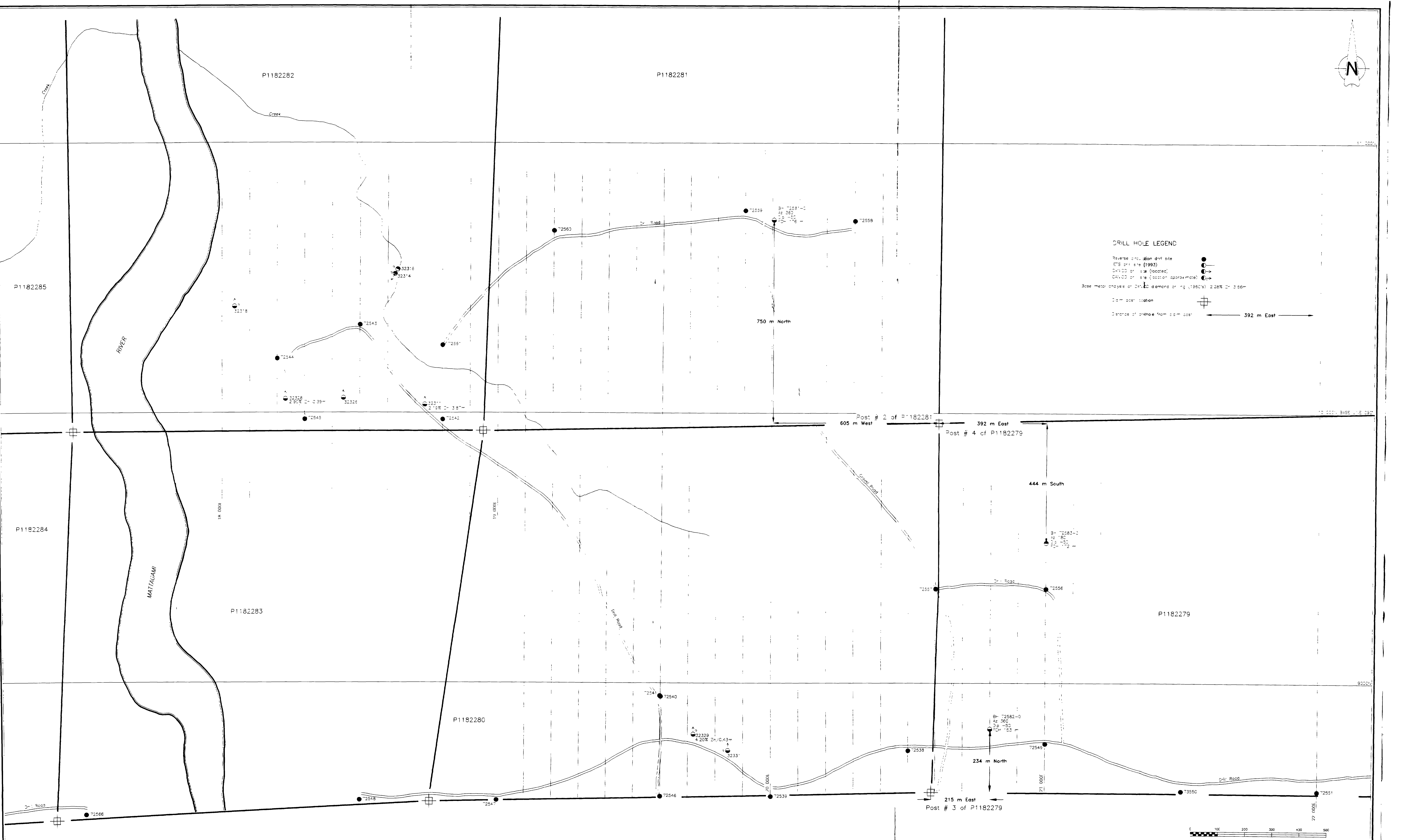
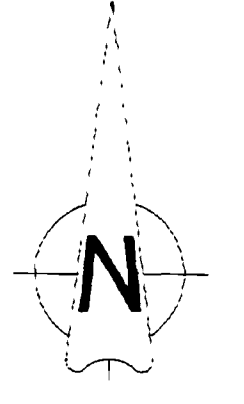
392 m East

INCO Exploration and Technical Services Inc.

Project	AGATE	Area	AGATE TOWNSHIP, ONTARIO
Supervisor	R.A. Clark	Drilling date	JAN 21 - FEB 14, 1993
Drawn by	BRADLEY BRCS	Drawn by	A.E. WAPSAW D.P.L.
Scale	1:5000	File	10003220

1	2	3
---	---	---





DRILL HOLE LEGEND

- Reverse circulation drill site
- FTS drill site (1993)
- CA-100 or site (located)
- CA-100 or site (location approximate)

Base metal analysis of CA-100 diamonds or ring (1993): 2.26% Cr, 3.66% Ni

□ Drill post location

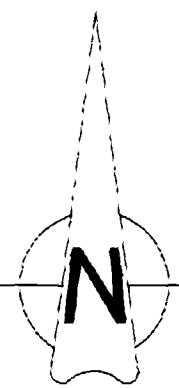
← Distance of drillhole from drill post → 392 m East

INCO EXPLORATION AND TECHNICAL SERVICES INC. Copper Cliff, Ontario P0M 1N0

Project: AGATE Area: AGATE TOWNSHIP, ONTARIO

DIAMOND DRILL HOLE LOCATION PLAN SHEET 2 OF 2

Supervisor: R.A. Clark	Drawn by: W.E. WARSAW/C.R.L.	Drilling date: JAN 21 - FEB 14, 1993
Drawn by: BRADLEY BRCS	File: 1000056.DW	Scale: 1:5000



DRILL HOLE LEGEND

- Reverse circulation drill site (ETS drill site (1993))
- CANICO drill site (located)
- CANICO drill site (location approximate)

Base metal analysis of CANICO diamond drilling (1960's) 2.28% Zn/3.65m

Calm post location

Distance of drill hole from calm post

392 m East

0 100 200 300 400 500
METRES

INCO EXPLORATION AND TECHNICAL SERVICES INC.		Copper Cliff, Ontario M0M 1H0	
Project: AGATE	Area: AGATE TOWNSHIP, ONTARIO	SHEET: 3	FIGURE: 3
DIAMOND DRILL HOLE LOCATION PLAN			
Supervisor: R.A. Clark	Instrument	Drilling date: JAN 21 - FEB 14, 1993	
Drilled by: BRADLEY BROS.	Drawn by: W.E. VARSAW/C.R.L.	Date drawn: MAY 1993	Revised:
Scale: 1:5000	File: 1000311.DW	NTS 42H/12	

1	2	3
---	---	---



72581.DWG

Hole collared 5 m East of section.

9000 m

9000 m

8000 m

8000 m

70700 N

70800 N

70900 N

71000 N

LEGEND

Borehole Codes

Code	Definition
AMPH	Amphibolite
DIA	Diabase
G	Gneiss
GHSC	Graphitic Schist
IF	Iron Formation
LAMP	Lamprophyre
MGMf	Migmatite
UB	Overburden
PEG	Pegmatite

Assessment Information

Borehole #	Azimuth	Angle	Total Length	Claim #
72581	380	-50	176 m	P-1182281



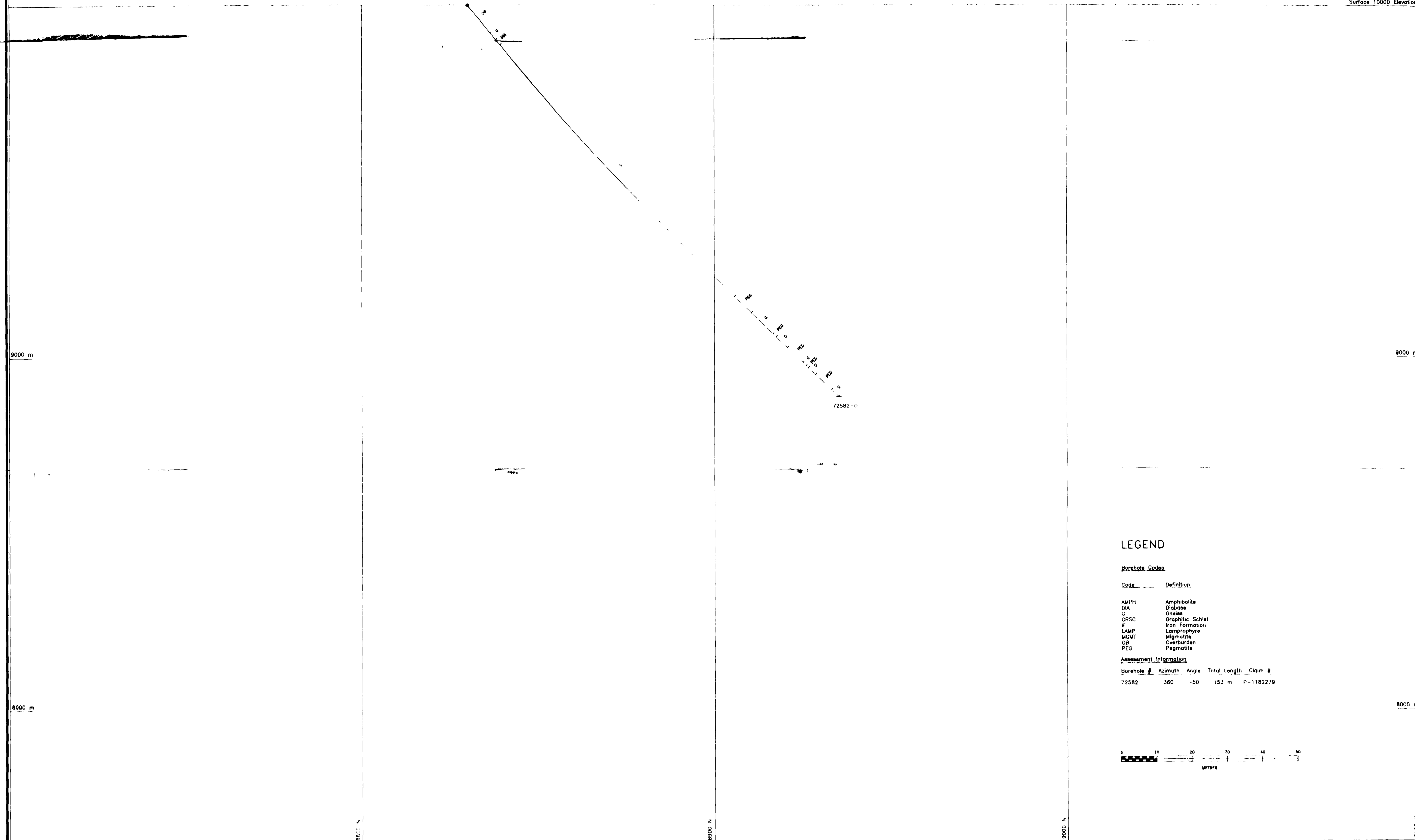
250

Supervisor John Perry
 Compiled by R.A. Clark
 Drawn by C.R. Laamanen
 Scale 1:500

Date drawn: May, 1993
 Revised
 N.T.S. 42 H 12
 File: 72581 DWG

Project AGATE PROPERTY
 Area SMOOTH ROCK FALLS ONTARIO
 FIGURE 1 SHEET 1

INCO EXPLORATION AND TECHNICAL SERVICES INC.
 SECTION 20000 E



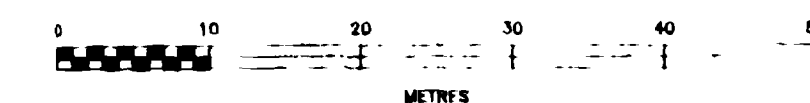
LEGEND

Borehole Codes

Code	Definition
AMPH	Amphibolite
DIA	Diabase
G	Gneiss
GRSC	Graphitic Schist
IF	Iron Formation
LAMP	Lamprophyre
MGMT	Migmatite
OB	Overburden
PEG	Pegmatite

Assessment Information

Borehole #	Azimuth	Angle	Total Length	Claim #
72582	360	-50	153 m	P-1182279



260

Supervisor: John Perry	Date drawn: May, 1993	Project: AGATE PROPERTY	INCO EXPLORATION AND TECHNICAL SERVICES INC.
Compiled by: R.A. Clark	Revised:	Area: SMOOTH ROCK FALLS ONTARIO	
Drawn by: C.R. Laamanen	N.T.S. 42 H 12	FIGURE 1 SHEET 1	
Scale: 1:500	File: 72582.DWG	SECTION 20800 E	

9000 m

8000 m

9000 m

8000 m

72583-0

9450C N

9550C N

9650C N

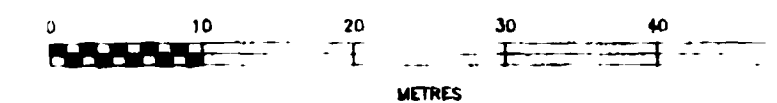
LEGEND

Borehole Codes

Code	Definition
AMPH	Amphibolite
DIA	Diabase
G	Gneiss
GRSC	Graphitic Schist
IF	Iron Formation
LAMP	Lampyrise
MGMT	Migmatite
OB	Overburden
PEG	Pegmatite

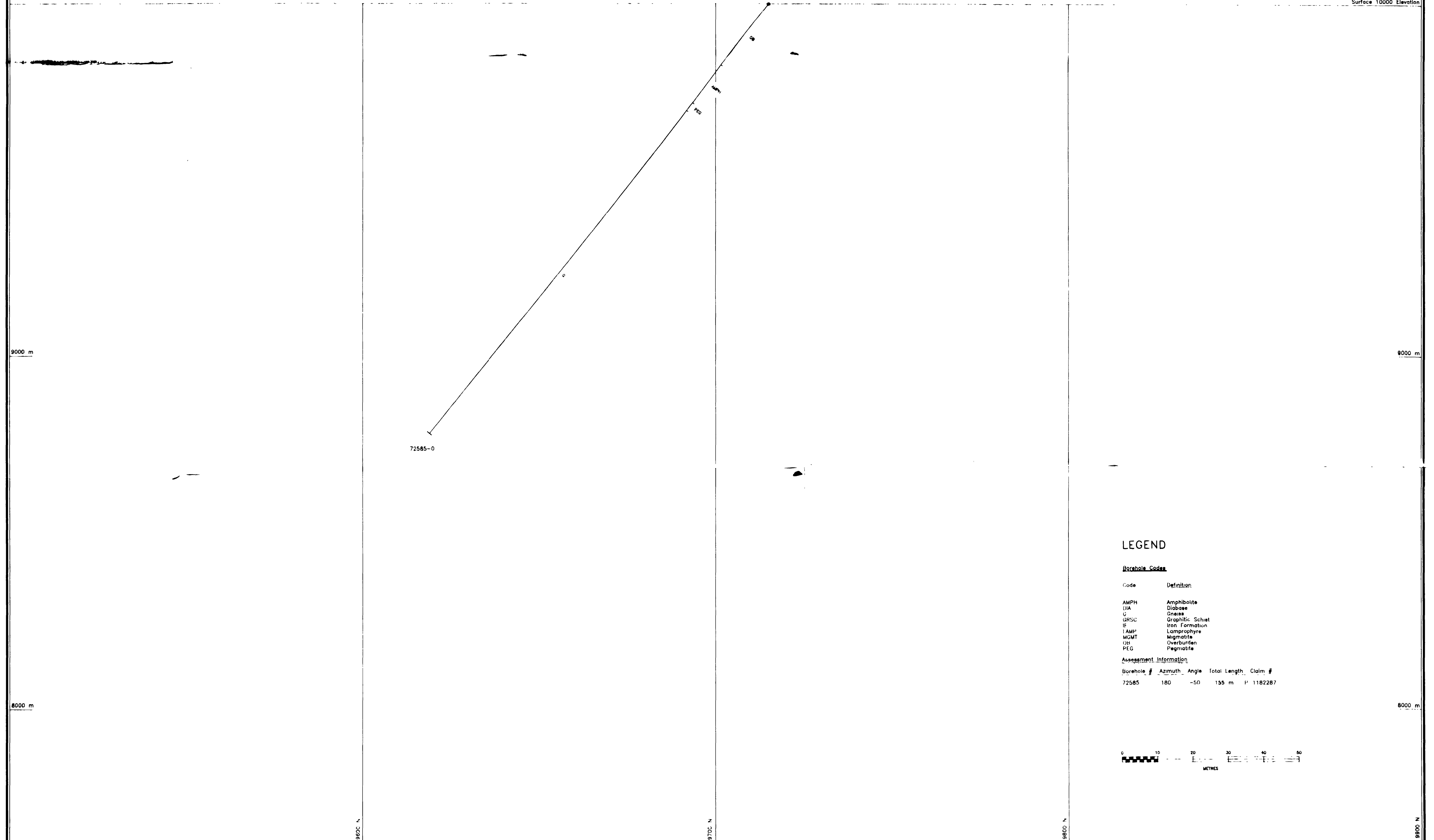
Assessment Information

Borehole #	Azimuth	Angle	Total Length	Claim #
72583	180	-50	172 m	P-1182279



270

Supervisor: John Perry	Date drawn: May, 1993	Project: AGATE PROPERTY	INCO EXPLORATION AND TECHNICAL SERVICES INC.
Compiled by: R.A. Clark	Revised:	Area: SMOOTH ROCK FALLS ONTARIO	
Drawn by: C.R. Laamanen	N.T.S. 42 H 12	FIGURE 1 SHEET 1	
Scale: 1:500	File: 72583.DWG	SECTION 21000 E	



LEGEND

Borehole Codes

Code	Definition
AMPH	Amphibolite
DIA	Diabase
G	Gneiss
GRSC	Graphitic Schist
IF	Iron Formation
LAMP	Lamprophyre
MGMT	Migmatite
OB	Overburden
PEG	Pegmatite

Assessment Information

Borehole #	Azimuth	Angle	Total Length	Claim #
72585	180	-50	155 m	P 1182287

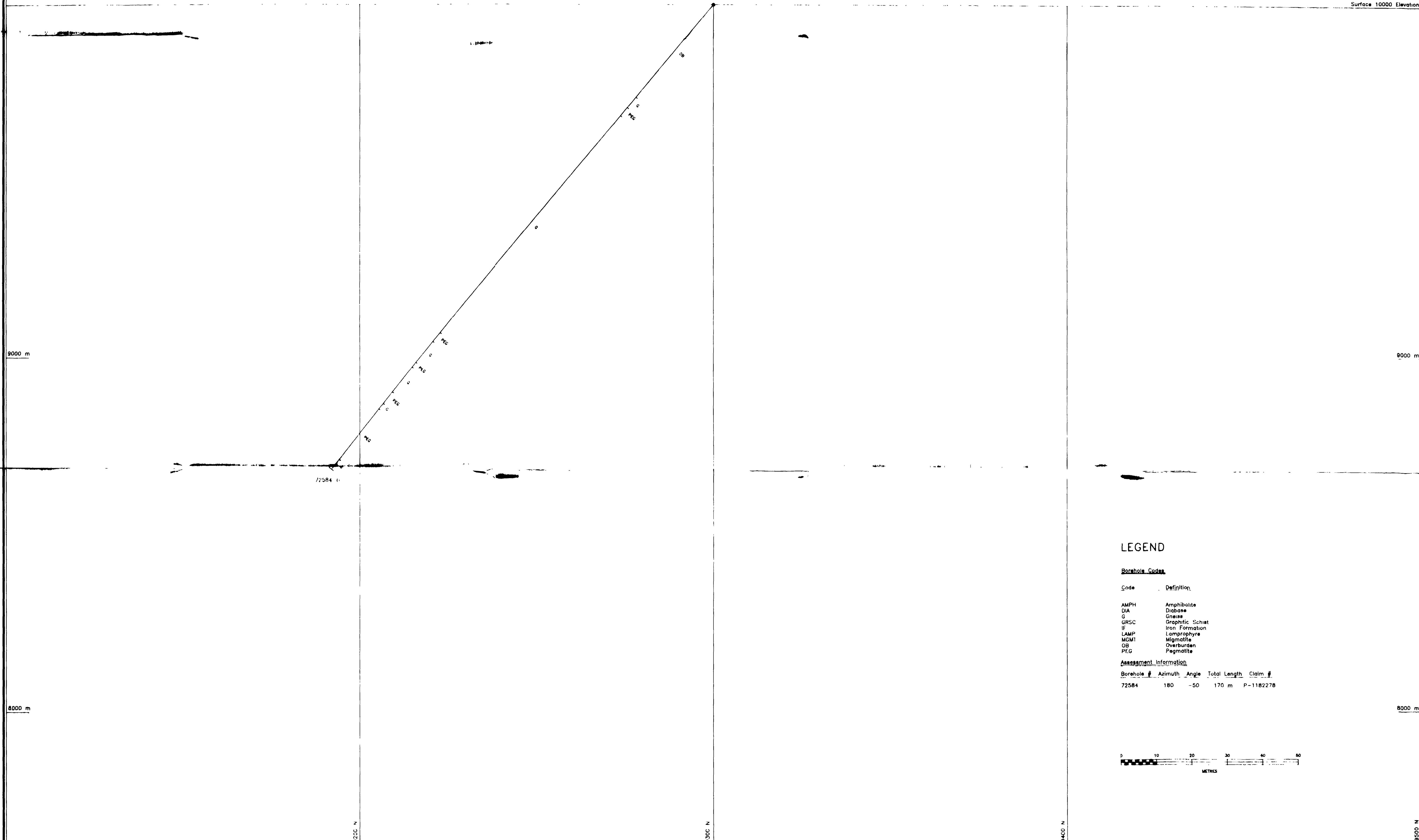


Supervisor John Perry
 Compiled by: R.A. Clark
 Drawn by: C.R. Laamanen
 Scale 1:500

Date drawn: May, 1993
 Revised:
 N.T.S. 42 H 12
 File 72585.DWG

Project AGATE PROPERTY
 Area SMOOTH ROCK FALLS
 ONTARIO
 FIGURE 1 SHEET 1

**INCO EXPLORATION AND
 TECHNICAL SERVICES INC.**
 SECTION 14300 E



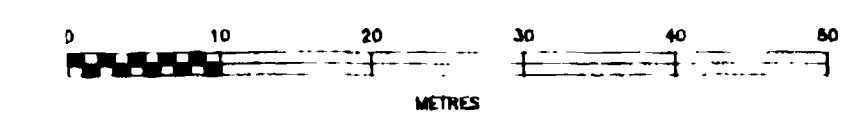
LEGEND

Borehole Codes

Code	Definition
AMPH	Amphibolite
DIA	Diorite
G	Gneiss
GRSC	Graphitic Schist
IF	Iron Formation
LAMP	Lampophyre
MGMT	Migmatite
OB	Overburden
PEG	Pegmatite

Assessment Information

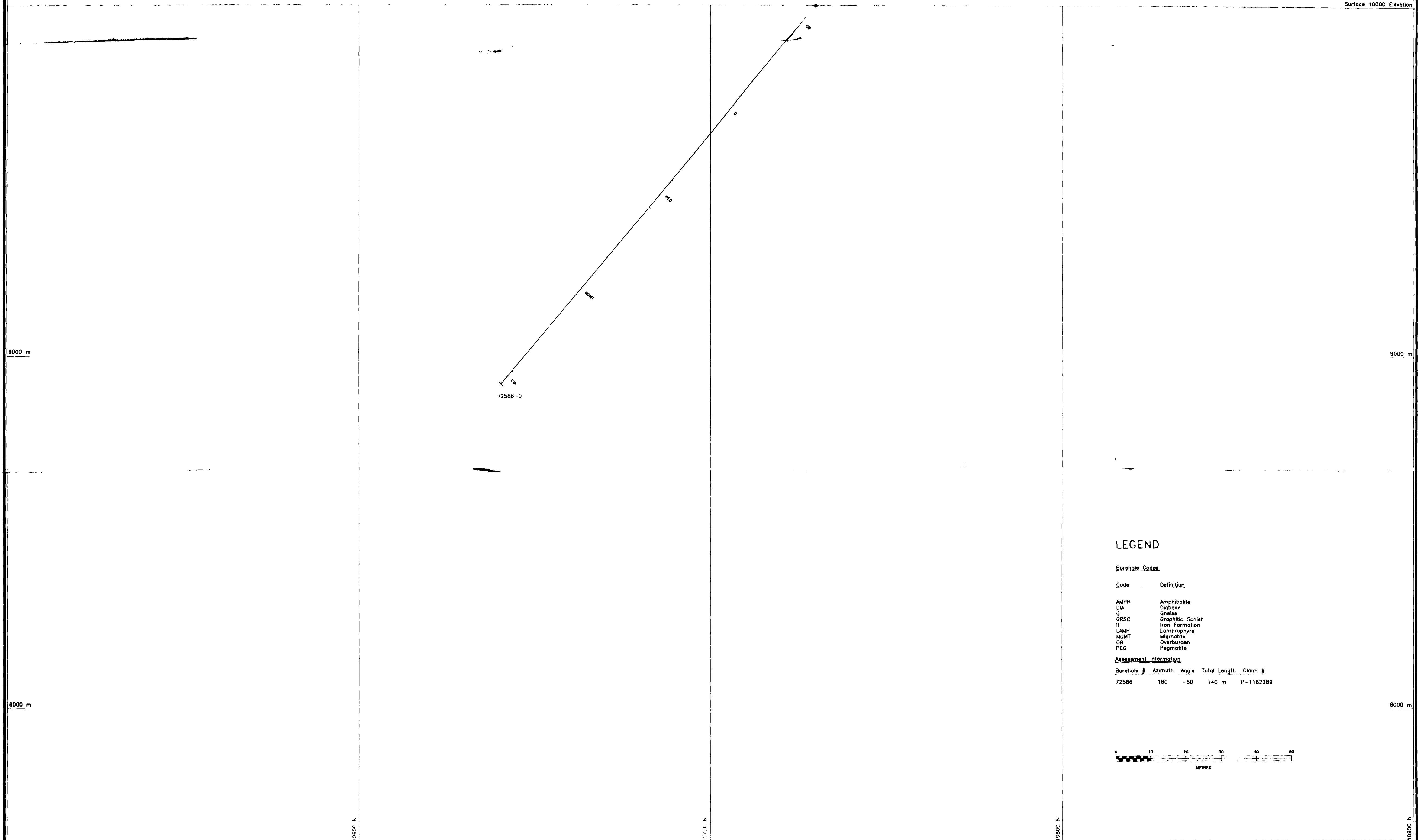
Borehole #	Azimuth	Angle	Total Length	Claim #
72584	180	-50	170 m	P-1182278



290

Supervisor: John Perry	Date drawn: May, 1993	Project: AGATE PROPERTY	INCO EXPLORATION AND TECHNICAL SERVICES INC.
Compiled by: R.A. Clark	Revised:	Area: SMOOTH ROCK FALLS ONTARIO	
Drawn by: C.R. Laamanen	N.T.S. 42 H 12	FIGURE 1	SHEET 1
Scale: 1:500	File: 72584.DWG	SECTION 23600 E	

72586.DWG



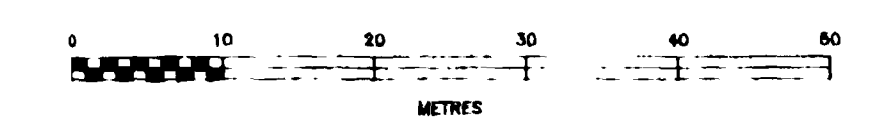
LEGEND

Borehole Codes

Code	Definition
AMPH	Amphibolite
DIA	Diabase
G	Gneiss
GRSC	Graphitic Schist
IF	Iron Formation
LAMP	Lamprophyre
MGMT	Migmatite
OB	Overburden
PEG	Pegmatite

Assessment Information

Borehole #	Azimuth	Angle	Total Length	Claim #
72586	180	-50	140 m	P-1182289



300

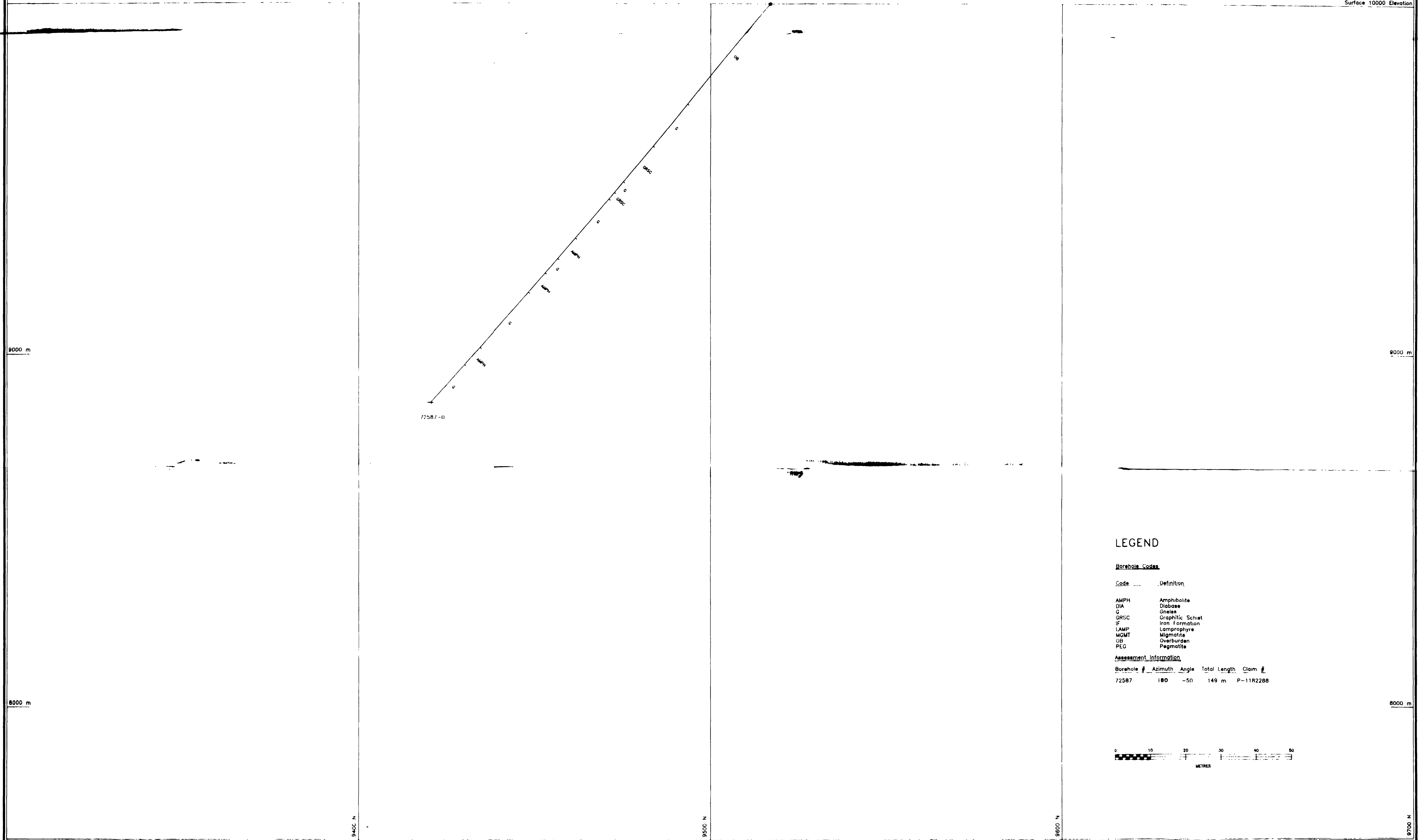
Supervisor: John Perry
 Compiled by: R.A. Clark
 Drawn by: C.R. Laamanen
 Scale: 1:500

Date drawn: May, 1993
 Revised:
 N.T.S. 42 H 12
 File: 72586.DWG

Project: AGATE PROPERTY
 Area: SMOOTH ROCK FALLS ONTARIO
 FIGURE 1 SHEET 1

INCO EXPLORATION AND TECHNICAL SERVICES INC.
 SECTION 14100 E

72587.DWG



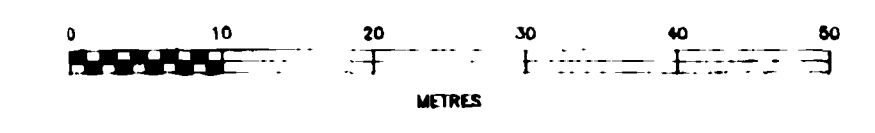
LEGEND

Borehole Codes

Code	Definition
AMPH	Amphibolite
DIA	Diabase
G	Gneiss
GRSC	Graphitic Schist
IF	Iron Formation
LAMP	Lamprophyre
MGMT	Migmatite
OB	Overburden
PLC	Pegmatite

Assessment Information

Borehole #	Azimuth	Angle	Total Length	Claim #
72587	180	-50	149 m	P-1182288



310

Supervisor John Perry	Date drawn May, 1993	Project. AGATE PROPERTY	INCO EXPLORATION AND TECHNICAL SERVICES INC.
Compiled by R.A. Clark	Revised	Area. SMOOTH ROCK FALLS ONTARIO	
Drawn by C.R. Laamanen	N.T.S. 42 H 12	FIGURE 1	SHEET 1
Scale: 1:500	File: 72587.DWG	SECTION 13600 E	