



41010NE9110 42 CUNNINGHAM

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DIAMOND DRILLING

TWP/AREA Cunningham REPORT NO. #42

WORK PERFORMED FOR: Falconbridge Ltd.

RECORDED HOLDER: SAME AS ABOVE []
 : OTHER [X] Robert Allan MacGregor

CLAIM NO.	HOLE NO.	FOOTAGE	DATE	NOTE
S116469	CU 32-01	200m	May 91	(1)
S116469	CU 32-03	275m	June 91	(1)
S116469	CU32-04	183m	Mar 91	(1)
		<u>658m</u>		

NOTES:

1. Report of work #W9360.00075

FILED June 24/93

Falconbridge Limited
Peter Lake Option
1992 Progress Report
Cunningham Township
N.T.S. 41-O-10

December, 1992

J.T. Aultman
Field Geologist

EXECUTIVE SUMMARY

The 1992 exploration program on the Peter Lake Option consisted of limited surface geophysics (HLEM) and diamond drilling. The geophysics and drilling were conducted during February and March, 1992. The geophysical survey was completed by Exsics Exploration Limited of Timmins, Ontario and the diamond drilling was completed by Norex Drilling Limited of Porcupine, Ontario.

Diamond drilling on the property in 1992 totalled 337 metres in one complete hole (Cu32-04) and two hole extensions (Cu32-01 and Cu32-03). Hole Cu32-04 was designed to test a geophysical target, while holes Cu32-01 and Cu32-03 were extended to test the down-dip potential of the main mineralized showing area. Mineralization intersected in holes Cu32-03 and Cu32-04 was low grade and over narrow widths. The fractured nature and quartz-carbonate association would suggest that the mineralization has been re-mobilized.

No further work is planned for the Peter Lake Option.





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INTRODUCTION

The Peter Lake Option Agreement was signed on November 1, 1990. The property was acquired because of a Pb/Zn showing present on it. Limited previous work had outlined a zone, 3-5 metres wide and 60-90 metres long, of Pb/Zn mineralization to approximately 30 metres depth. This mineralization returned values of 4% Zn and 1% Pb and consisted of sulphide stringers and disseminated sulphides in a chert breccia. Other Zn/Pb showings in chert and quartz-carbonate veins and numerous untested geophysical anomalies are present on the property.

Exploration on the Peter Lake Option by Falconbridge has included ground geophysics, geological mapping, lithochemical sampling and diamond drilling. This report only covers the 1992 exploration program, the reader is referred to the 1991 property report by Peter Harvey for details of the 1991 program.

LOCATION AND ACCESS

The Peter Lake Option is located approximately 125 kilometres southwest of Timmins, Ontario in the southwestern part of Cunningham Township (See Figure 1). This property consists of four leased and twenty staked claims, totalling approximately 384 hectares. The claims are approximately 20 kilometres north of the Sultan Industrial Road and are easily accessed during the summer by 4x4 pick-up using the extensive network of logging roads present in the area. These roads are summer access only.

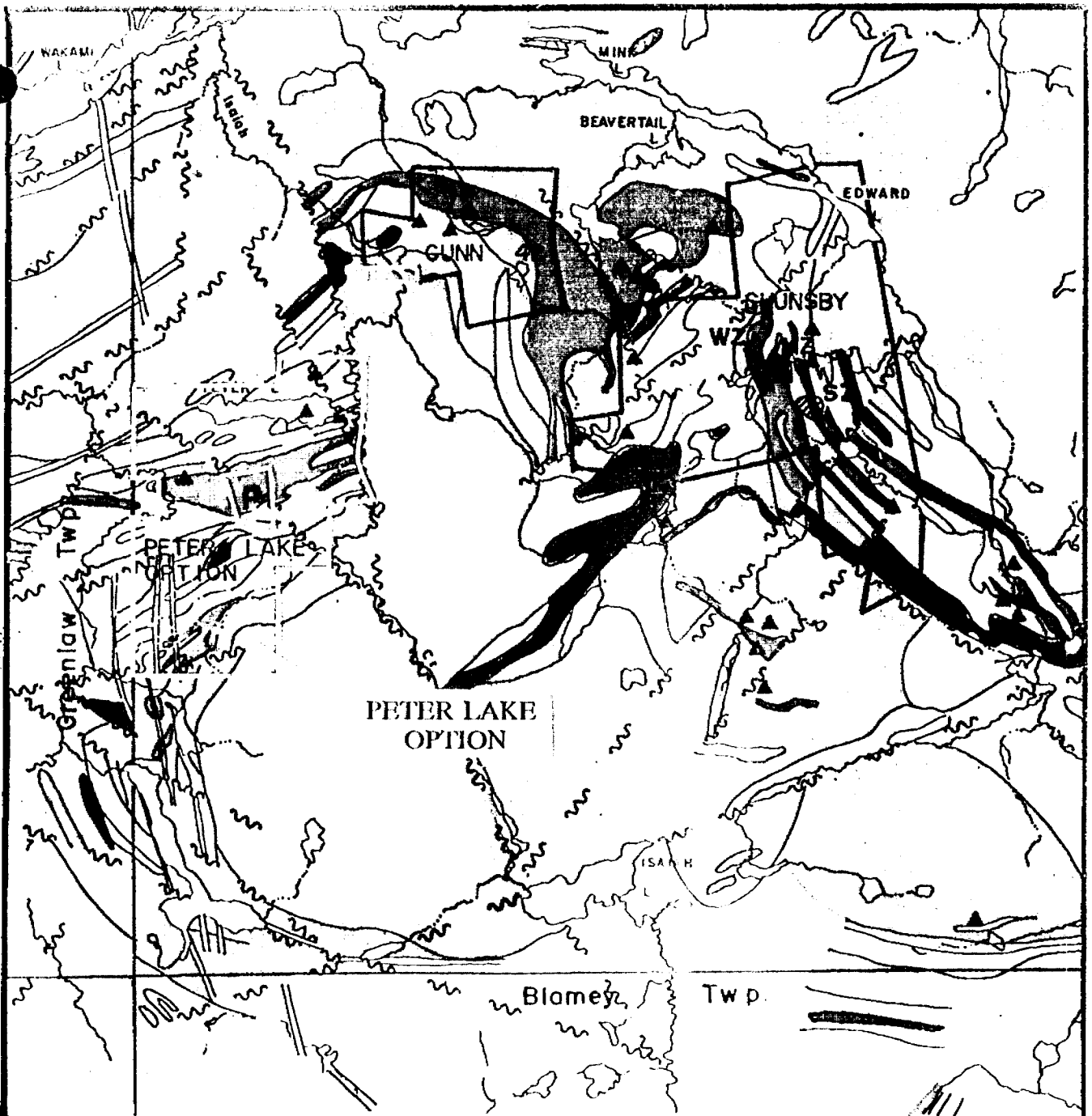
1992 EXPLORATION ACTIVITIES

The 1992 exploration program on the Peter Lake Option consisted of limited surface geophysics (HLEM) and diamond drilling. The geophysics and drilling were conducted during February and March, 1992. The geophysical survey was completed by Exsics Exploration Limited of Timmins, Ontario and the diamond drilling was completed by Norex Drilling Limited of Porcupine, Ontario.

The purpose of the 1992 exploration program was to:

1. Find the eastern strike extent of the HLEM conductor associated with the Pb/Zn mineralized zone by establishing and surveying another gridline (L118E) east of the 1991 grid. The HLEM survey used a shorter cable length (50m) than the 1991 survey (120m) to better define a series of closely spaced conductors located between 140+00N to 147+00N and L113+00E to L117+00E.
2. To drill test HLEM conductor "E" located under Peter Lake.
3. To drill test the down-dip extension of the surface mineralization by extending two 1991 diamond drill holes.





LEGEND

MAJOR ROCK DIVISION

- 10 DIABASE
- 9 FELSIC INTRUSIVE ROCKS
- 8 INTERMEDIATE INTRUSIVE ROCKS
- 7 MAFIC INTRUSIVE ROCKS
- 6 ULTRAMAFIC INTRUSIVE ROCKS
- 5 SEDIMENTARY ROCKS
- 4 FELSIC VOLCANIC ROCKS
- 3 INTERMEDIATE VOLCANIC ROCKS
- 2 MAFIC VOLCANIC ROCKS
- 1 ULTRAMAFIC VOLCANIC ROCKS

- MZ MAIN ZONE
- SZ SOUTH ZONE
- WZ WEST ZONE
- ▲ MINERALIZED OCCURRENCE
- IRON FORMATION

0 2000 m

Figure 8

FALCONBRIDGE LIMITED			
Exploration Division Timmins ONTARIO			
<p>CUNNINGHAM TOWNSHIP PETER LAKE OPTION GEOLOGY AND PROPERTIES</p>			
TRACED: del	DATE: 09/90	NTS: 41-0/10	PROJECT NO: 8118
DRAWN:	DATE:	MAP NO:	FILE:
SUPERVISED ORC	DATE: 09/90	SCALE	1 : 50 000
REVISED:	DATE:		

1992 EXPLORATION RESULTS

1992 Geophysical Survey Results

The 1992 survey was successful in outlining the main mineralized area and in identifying the previously known HLEM conductors. The closely spaced conductors outlined by the 1991 survey were still not clearly identified using the 50m coil separation. Survey results are presented in Appendix A.

The HLEM survey of L118E did not detect any of the conductors that were present on L117E. The sudden truncation of the anomalies along the eastern edge of the property would suggest that the north-south trending Isaiah Creek Fault is located between L117E and L118E.

1992 Diamond Drilling Results

Between March 28 and April 1, 1992, one complete diamond drill hole and two hole extensions totalling 337 metres in length were completed on the Peter Lake Option by Norex Drilling Limited of Porcupine, Ontario. Diamond drilling statistics and direct invoice costs for the 1992 drilling program are illustrated in Table 1. Drill hole locations (surface plan) and drill sections are included in Appendix B. Drill logs, assay results and lithogeochemical data for the drill holes are presented in Appendix C. The diamond drill core from both the 1991 and 1992 drilling programs is stored at the Falconbridge Exploration core storage area in Timmins, Ontario.

HOLE NUMBER	NORTHING	EASTING	AZI	DIP	CASING (m)	HOLE (m)	START	END	COST	
									Invoiced	\$/m
Cu32-01	144+75N	117+00E	000	-50	3.0	75	03/31/92	04/01/92	\$ 3,999	\$53.32
Cu32-03	144+70N	116+50E	000	-65	3.0	79	03/30/92	03/31/92	\$ 4,117	\$52.11
Cu32-04	145+35N	115+70E	000	-50	3.0	183	03/28/92	03/29/92	\$ 9,259	\$50.59
Totals						377			\$17,374	\$51.56

Table 1: 1992 Diamond Drilling Summary for the Peter Lake Option PN 8203.

Drill hole Cu32-01 was extended an additional 75 metres to test the down-dip potential of the surface mineralization. The hole extension intersected massive and pillowed mafic volcanics and a quartz-feldspar porphyry dyke. No anomalous base metal mineralization was encountered in this hole.

Hole Cu32-03 was also extended to test the down-dip potential of the surface mineralization. Cu32-03 was extended 79 metres and encountered pillowed mafic volcanics. This hole intersected narrow quartz-carbonate stringers hosting minor amounts of sphalerite and galena. These stringers returned highly anomalous, but sub-economic base metal values over narrow widths (<0.57m). The mineralization does not appear to be associated with the surface mineralization. The pristine nature of the wallrocks and the association of the sulphides with the quartz-carbonate stringers suggest that the base metal mineralization is part of a late stage, low temperature event. Anomalous assay results are presented in Table 2.

Drill hole Cu32-04 was designed to test HLEM conductor "E" which is located under Peter Lake. This conductor is located approximately 200 metres north of main showing area. The hole



intersected fine to medium grained massive mafic volcanics, with areas of pillowed mafic volcanics. Low angle, narrow quartz-carbonate veins and stringers were encountered in the first 80 metres of the hole. A number of these stringers contained sphalerite and galena mineralization. Several highly anomalous Pb/Zn values over narrow widths (<0.45m) were returned from these stringers and these results are presented in Table 2. The quartz-carbonate veins and stringers appear to be part of a late stage event as indicated by the crosscutting nature and pristine wallrock. The conductor was explained by a narrow band of graphitic interflow material in a pillowed mafic unit.

ENVIRONMENTAL CONCERNS

Normal diamond drilling procedures were followed and all precautions were taken by the contractor to comply with the provisions set forth in the "Environmental Rider" in the Falconbridge Limited Diamond Drilling Contract. Drill casings were capped and left in the ground. All sites were cleaned up and were inspected during and after drilling to ensure that they met Falconbridge standards. Site inspection sheets for the 1992 drilling program are on file in the Timmins Exploration office.



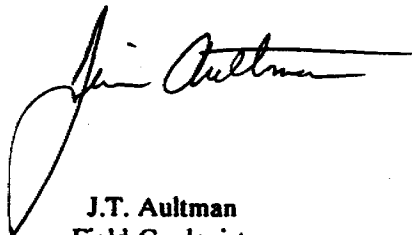


TABLE2: Assay Results from the 1992 diamond drilling program.

HOLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Ni (ppm)	REMARKS
Cu32-01	No Anomalous Values									
Cu32-03	225.50	225.80	0.30	7	1.3	132	11700	2260	76	1-2mm wide carbonate filled fracture with 2% sphalerite
	229.05	229.35	0.30	10	0.7	278	6540	781	97	3mm wide carbonate filled fracture with trace sphalerite
	233.00	233.30	0.30	<5	2	116	59	19700	87	1.5cm wide quartz-carbonate vein with 35% galena
	265.60	265.96	0.36	7	1.2	545	4740	596	63	irregular quartz vein with trace pyrite
	266.63	267.20	0.57	10	0.6	326	2720	451	59	quartz vein with 50% wallrock fragments and trace pyrite
Cu32-04	21.80	22.25	0.45	<5	0.2	102	7220	356	71	1cm wide carbonate stringer with 0.5-1% sphalerite
	23.85	24.30	0.45	<5	1.8	147	10200	12200	35	15cm wide quartz-carbonate vein with 3-5% sphalerite and 1-3% galena
	33.30	33.60	0.30	<5	0.1	115	1200	8	56	1cm wide carbonate stringer with 1-2% sphalerite
	46.60	47.00	0.40	7	0.4	148	26200	185	62	10-15% quartz-carbonate vein with 5-8% sphalerite
	54.00	54.30	0.30	<5	0.7	97	207	6360	86	3cm wide carbonate vein with 0.5% galena

RECOMMENDATIONS:

Based upon the disappointing results obtained during the 1991 and 1992 drilling programs, the potential for the property to contain an economic base metal deposit is limited. Mineralization intersected to date has been low grade and over narrow widths. The fractured nature and quartz-carbonate association would suggest that the mineralization has been re-mobilized. No further work is planned for the Peter Lake Option.



J.T. Aultman
Field Geologist



APPENDIX A

1992 Geophysical Survey Results



FOLLOW-UP PROGRAM

This follow-up program was completed on the Peter Lake Property, Project # 8203. The original program was completed in April, 1991 by Timmins Geophysics Ltd. Refer to "Report on Geophysical survey, Peter Lake Property, Cunningham Township, by D.Londry.

The intent of this follow-up program was to enhance the known conductive zone, better separate them and to better define their characteristics. This was accomplished by rereading a portion of the original grid with a shorter cable length and the maxmin system. One additional line was also cut and read. The new line was called L11800ME and it was surveyed along with the reread.

SURVEY RESULTS

The survey was successful in outlining the suspected target areas and relatively successful in better separating the zones. Even with the 50 meter cable, the zones were still too close for complete separation.

It should be noted here that there was a sizable topographical feature on the grid in the form of a steep hill. No attempt was made to secant chain the lines which traversed this hill, thus there was a small topo error noted mainly in the inphase values for lines affected by the hill. In effect, the coils were not kept coplanar during a portion of the survey and this usually results in inphase errors.

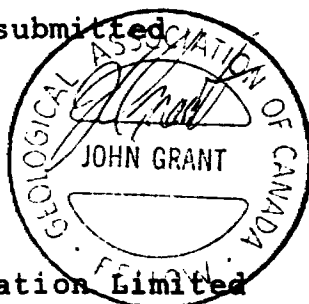
The following zones were outlined by this program. The conductor lettering system used by Timmins Geophysical was adhered to as best as possible.

Line	Station	Zone	Depth	Conductivity	Width
11400E	14715N	C	-21m	35mhos	Normal
	14540N	E	-26m	90mhos	Narrow
	14440N	L	-26m	>100mhos	narrow
	14280	M	-8m	>100mhos	Wide?
	14300N	N	-8m	100mhos	Normal
.....					
11500E	14420N	L	-14m	35mhos	10m
	14320N	M	-6m	90mhos	Normal
	14240	N	-9m	60mhos	10m
	14580N	E	-23m	>100mhos	Narrow
.....					
11600E	14420N	L	-7m	60mhos	Normal
	14335N	M	-8m	>100mhos	Normal
	14180N	P	-8m	58mhos	8m, Normal
.....					
11700E	14440N	L	-14m	60mhos	Normal
	14370N	M	-7m	35mhos	8m
	14250N	P	-8m	40mhos	10m
.....					

The survey was successful in locating and outlining the zones as was expected.

Line 11800ME pretty much follows a creek which generally runs north-south. The lack of any significant HLEM response on L11800ME, compared to the responses noted just 100 meters to the west, suggest that there is a possible fault structure parallelling the creek. It can be seen, that all conductive zones striking into this line from the west stop abruptly . A detailed magnetic survey would help define the type and extent of this north-south cross structure.

Respectfully submitted



J.C. Grant

Exsics Exploration Limited

APPENDIX C

1992 Diamond Drill Hole Logs, Assay and Lithochemistry Results



FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 2.00	OVERBURDEN « ob »	-sand, clay, boulders.				
2.00 TO 30.64	SILTSTONE + MAFIC TUFF; CHERT; MAGNETITE IRON FORMATION; SULPHIDE IRON FORMATION; INTER- MEDIATE TUFF «5,2t»	-medium grey to greenish grey; dark to light grey; black; medium to light grey. -Well banded/bedded at 35° to core axis. -Contacts approximately conformable to bedding. -Units alternate frequently, over narrow intervals. -Weak fracturing with calcite-chlorite in-fill. -Moderately to well foliated parallel bedding. -11.54-12.20m silicified and epidotized chert (?). -12.98-15.89m light grey to greenish grey chert; moderately fractured and chlorite-pyrrhotite-calcite filled. Fractures generally trend at low angles to core axis. -18.76-19.95m intermediate ash tuff/siltstone. Well banded at 30° to core axis with development of slip planes (slickensides). -19.95-21.50m intermediate ash-lapilli tuff. Moderately sheared at 20° to core axis and chlorite-calcite-pyrite-pyrrhotite flooded along anastomosing hairline fractures. -21.50-24.00m much broken core; siltstone and mafic tuff; fractured and calcite flooded with orange-brown amorphous mineral at wallrock contact. -24.21-24.41m 0.5 to 1.0cm wide quartz-chlorite veins with orange-brown mineral (staining) as above. -24.41-26.58m bleached siltstone/lapilli tuff. Well foliated at 35° to core axis. Generally schistose. -26.58-29.50m felsic lapilli tuff; locally cherty (silicified?). Chlorite and pyrrhotite ± pyrite flooding throughout fractures at 35° to core axis. Appears brecciated/clastic, and silicified 27.00-27.27m. -29.50-30.64m weakly to moderately fractured chert with calcite and chlorite flooding;		-Pervasive moderate chloritization with exception of chert intervals. -Variably silicified throughout. -Siltstone intervals generally moderately to strongly chloritized (epidotized ?). -14.60-14.89m and 15.00-15.73m light grey to cream-coloured with "grass" green chlorite (?) spots to 1.5mm throughout. -Moderately to strongly chloritic. -Weakly bleached, moderately to strongly chloritic. Weakly silicified and epidotized. -Weakly to moderately carbonatized, bleached. -Locally weakly carbonatized.	-Trace to 1% pyrite throughout. 3-5% pyrrhotite in bedding-parallel bands, generally associated with siltstone; occasionally in fractures. -Trace to 1% pyrite associated with pyrrhotite. -Pyrite smeared along chloritic slip planes. 1-3% fine-grained sphalerite in quartz-chlorite fractures, 118.10-118.17m. -3-5% pyrrhotite, 2-3% pyrite parallel to schistosity. -Blebbly chalcocopyrite to 2% in narrow calcite vein. -Fine-grained sphalerite to 8% of vein composition. -Trace pyrite throughout. Pyrrhotite in foliation-parallel lozenges throughout; possible sphalerite at 26.26m with 1 speck at 25.16m. -5-10% pyrrhotite in chlorite fractures with trace chalcocopyrite, trace to 1% pyrite; possibly fine-grained sphalerite at 27.16m. -Pyrrhotite and pyrite in veins and chloritic matrix.	-Locally moderately magnetic. -Weakly to moderately magnetic. -Moderately magnetic. -Moderately magnetic. -Moderately magnetic.

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
50.97 TO 86.97	ANDESITE ? «2»	<p>vuggy quartz-calcite vein.</p> <p>-48.58-48.84m sulphide iron formation; contacts at 60° to core axis.</p> <p>-48.84-50.23m numerous narrow chlorite-pyrite-pyrrhotite flooded intervals. Sheared at 25-30° to core axis.</p> <p>-50.23-50.52m as 48.58-48.84m.</p> <p>-50.52-50.97m as 48.84-50.23m.</p> <p>-grey to greenish grey.</p> <p>-Weakly fractured and calcite ± quartz filled; moderately well foliated at 45° to core axis; numerous 1-3mm chlorite spots throughout.</p> <p>-50.97-51.13m sheared contact zone at 55° to core axis; quartz-chlorite flooded.</p> <p>-51.13-51.60m intensely carbonatized.</p> <p>-53.67-54.13m fractured and calcite-quartz flooded with orange-brown amorphous mineral as vein lining at wallrock contact.</p> <p>-64.54-65.08m moderately fractured with calcite fill and amorphous orange-brown mineral to 35% of vein matter.</p> <p>-65.55-66.45m as above.</p> <p>-67.05-68.79m bleached and strongly fractured with quartz-calcite flooding.</p> <p>-68.54-68.79 quartz-calcite flooded along shear (?) at 10-20° to core axis.</p> <p>-68.79-70.29m graphitic chert (foliated and silicified mudstone?); sheared at 25° to core axis, becoming subparallel downhole; variably fractured; quartz-calcite flooding pervasive and increasing in intensity downhole from 69.50m.</p> <p>-70.30-70.43m ground and broken core.</p> <p>-72.43-74.40m weakly to moderately brecciated and bleached; numerous hairline calcite fractures throughout.</p> <p>-74.40-85.52m strongly to intensely carbonatized.</p> <p>-83.56-83.78m bull white calcite-quartz vein at 35° to core axis.</p> <p>-83.99-84.33m quartz-calcite flooded shear as</p>		<p>-Moderately to strongly chloritic, variably carbonatized; locally weakly sericitized (?).</p> <p>-Moderately chloritic.</p> <p>-Moderately to strongly chloritic.</p> <p>-67.05-67.17m weak epidotization at vein/wallrock contact.</p> <p>-Weakly silicified, intensely carbonatized.</p> <p>-Moderately to strongly carbonatized and silicified, increasing downhole; strongly graphitic; moderately to strongly chloritic.</p> <p>-Strongly to intensely carbonatized throughout with more strongly carbonatized portions forming breccia matrix (bleached).</p> <p>-As 67.05-67.17m.</p>	<p>pyrrhotite, 1-2% fine- to medium-grained pyrite euhedra.</p> <p>-Occasional 2-3mm pyrite-calcite veins at moderate to high angles to core axis; 5-10% pyrite, 3-4% pyrrhotite.</p> <p>-Trace to 1% pyrite and trace pyrrhotite disseminated throughout.</p> <p>-Trace sphalerite and galena in pressure shadow of cherty losenge at 57.03m.</p> <p>-2-3% pyrite disseminated throughout.</p> <p>-Trace medium-grained euhedral pyrite.</p> <p>-67.05-67.17m semi-massive fine-grained pyrite halo at vein/wallrock contact.</p> <p>-3-5% pyrite in and around quartz-calcite flooding.</p> <p>-10-15% dusty to fine-grained pyrite decreasing inversely with intensity of alteration.</p> <p>-5-8% dusty to medium-grained</p>	-Moderately magnetic.

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
86.97 TO 89.63	GRAPHITIC MUDSTONE «5g(27)»	<p>67.05-67.17m. -84.76-84.83m calcite-quartz vein at 50° to core axis; pinkish tinge. -85.52-85.76m quartz-calcite vein at 25° to core axis. -85.76-86.16m moderately to strongly fractured siltstone (?). Black chlorite and calcite filled and flooded at high angles (65-85°) to core axis; fractures locally appear anastomosing (augen). -dark grey to black.</p> <p>-Moderately to well bedded at 65-70° to core axis. Fractured and calcite-filled (crosscutting bedding at moderate angles). -Local narrow bedding-parallel calcite bands. Bedding wraps around pyrite nodules with calcite in pressure shadows.</p>		<p>-Variably carbonatized and correspondingly bleached. Moderately chloritic.</p> <p>-Moderately to strongly graphitic, locally weakly to moderately carbonatized.</p>	<p>(euhedral) pyrite 83.99-84.17m.</p> <p>-3-4% medium-grained euhedral and dusty pyrite disseminated throughout, with preference to fracture planes.</p> <p>-15-18% pyrite, disseminated, in bedding-parallel bands and in calcite-rimmed nodules to 2.0cm.</p>	
89.63 TO 139.52	MASSIVE MAFICS «2mu(Ch)»	<p>-As 50.97-86.97m. -Becoming increasingly chlorite-spotted and andesitic in appearance downhole. -89.63-90.93m intermediate feldspar porphyry; moderately porphyritic in sub- to euhedral plagioclase (?) to 4mm. Moderately fractured and quartz-calcite filled.</p> <p>-91.63-91.91m moderately sheared and quartz-calcite flooded at 50-55° to core axis. -95.77-95.80m smokey-grey quartz vein at 25° to core axis. -96.17-97.21m graphitic mudstone (chert ?) as 86.97-89.63m, without nodular pyrite.</p> <p>-100.52-101.12m as 96.17-97.21m; cherty. 6cm calcite-chlorite flooded zone at upper contact at 40° to core axis. -109.10-109.88m strongly fractured and calcite-quartz flooded with amorphous orange-brown mineral lining vein walls subparallel to core axis. -110.92-111.27m calcite-quartz flooded shear at 15° to core axis with amorphous orange-brown mineral in wallrock.</p>		<p>-Moderately chloritic; strongly bleached and silicified 89.63-90.34m; moderately to strongly chloritic; moderately carbonatized 90.34-90.93m.</p> <p>-Moderately chloritic; strongly carbonatized.</p> <p>-Strongly to locally intensely graphitic.</p>	<p>-89.63-90.34m trace to 1% galena, trace to 1% medium-grained sphalerite in quartz veins. -90.34-90.93m trace dusty to fine-grained pyrite disseminated throughout. -3-4% dusty to fine-grained pyrite disseminated throughout. -1% medium-grained pyrite. 1% Fe-carbonate (oxidized sphalerite ?). -5-8% bedding-parallel pyrite and dusty disseminations. Trace chalcopyrite (?) at lower contact.</p> <p>-2-3% fine-grained pyrite, locally along vein contact with wallrock.</p> <p>-Trace to 1% pyrite at wallrock/vein contact.</p>	

HOLE NUMBER: CU32-01

DRILL HOLE RECORD

DATE: 06/09/1992

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
139.52 TO 141.05	QUARTZ FELDSPAR PORPHYRY DYKE «9d»	<ul style="list-style-type: none"> -113.76-114.01m moderately sheared and calcite-quartz flooded at moderate to high angles to core axis. -sharp lower contact at 45°/CA -light grey. -medium to coarse grained. -unit contains 10-15% feldspar phenocrysts (1-3mm in diameter) and 5% quartz phenocrysts (1mm in diameter). -unit is weakly fractured at 40-45°/CA. -fractures are filled with chlorite. -sharp lower contact at 50°/CA. 		<ul style="list-style-type: none"> -Moderately carbonatized and chloritic. -weak chloritization and sericitization. 	<ul style="list-style-type: none"> -Trace fine-grained pyrite at wallrock/vein contact. 	
141.05 TO 200.00	MAFIC VOLCANICS «2m(p)euCh»	<ul style="list-style-type: none"> -medium to dark grey-green. -fine to medium grained. -unit is massive but becomes mainly pillowed at depth. -pillow selvages are up to 2cm wide and contain chlorite, pyrite, hyaloclastite and trace pyrrhotite. -quartz and feldspar filled amygdules are present. -amygdules are up to 5mm in diameter. -massive areas have trace amounts of white leucoxenes (0.5mm in length). -unit is weakly fractured (irregular pattern). -fractures contain quartz carbonate and orthoclase. -193.48-194.48m, area has buff coloured leucoxenes and 1-3% fracture controlled hematite. 		<ul style="list-style-type: none"> -moderate chloritization. -weak sericitization. -patchy weak silicification. -193.48-195.5m, moderate pervasive buff coloured carbonatization and weak sericitization. 	<ul style="list-style-type: none"> -trace pyrite and pyrrhotite. -193.48-195.5m, rare specks of sphalerite in 1-3mm wide quartz filled fractures. 	
200.00 TO 200.00	E.O.H.					

HOLE NUMBER: CU32-01

DRILL HOLE RECORD

LOGGED BY: D. TRUSCOTT/J. AULTMAN

PAGE: 6

HOLE NUMBER : CU32-01

ASSAYS SHEET

DATE: 09/06/1992

Sample	From (M)	To (M)	Leg. (M)	Cu ppm	Zn ppm	Au ppb	Ag ppm	Pb ppm	As ppm	Ni ppm
AMD4645	2.00	3.50	1.50	32	10	17	0.1	25		24
AMD4646	3.50	5.00	1.50	38	10	14	0.1	9		26
AMD4647	5.00	6.50	1.50	21	9	<5	0.1	1		22
AMD4648	6.50	8.00	1.50	35	10	21	0.2	3		31
AMD4649	8.00	8.51	0.51	90	19	110	0.5	5		33
AMD4650	8.51	9.61	1.10	61	14	38	0.2	1		18
AMD4651	9.61	11.54	1.93	20	9	21	0.1	1		12
AMD4652	11.54	12.20	0.66	36	7	14	0.1	1		15
AMD4653	12.20	12.98	0.78	21	16	<5	0.2	1		16
AMD4654	12.98	14.00	1.02	63	20	<5	1.2	1		21
AMD4655	14.00	14.63	0.63	38	9	<5	0.3	1		14
AMD4656	14.63	15.89	1.26	43	12	<5	0.7	1		18
AMD4657	15.89	17.00	1.11	45	18	10	0.7	2		18
AMD4658	17.00	18.43	1.43	68	322	10	1.3	10		18
AMD4659	18.43	18.76	0.33	152	547	10	2.3	12		31
AMD4660	18.76	19.95	1.19	103	8560	<5	1.9	251		27
AMD4661	19.95	21.50	1.55	177	1310	17	2.2	58		62
AMD4662	21.50	23.00	1.50	165	68	<5	0.3	7		100
AMD4663	23.00	24.00	1.00	266	77	<5	0.4	20		142
AMD4664	24.00	24.50	0.50	196	12900	<5	0.7	459		120
AMD4665	24.50	26.00	1.50	113	402	10	0.5	13		132
AMD4666	26.00	26.58	0.58	134	315	<5	0.9	38		92
AMD4667	26.58	27.27	0.69	249	203	14	2.2	21		80
AMD4668	27.27	27.87	0.60	107	5320	10	1.6	669		20
AMD4669	27.87	29.00	1.13	37	50	14	0.4	11		16
AMD4670	29.00	29.53	0.53	33	14	<5	0.1	1		15
AMD4671	29.53	30.64	1.11	48	123	<5	0.3	6		21
AMD4672	30.64	32.00	1.36	123	4860	17	1.0	141		29
AMD4673	32.00	33.50	1.50	127	491	10	1.3	43		34
AMD4674	33.50	35.03	1.53	49	361	14	0.6	10		20
AMD4675	35.03	35.28	0.25	209	35	24	1.7	4		29
AMD4676	35.28	36.50	1.22	36	12	<5	0.2	1		15
AMD4677	36.50	37.14	0.64	22	26	10	0.1	3		13
AMD4678	37.14	38.00	0.86	43	9	14	0.3	1		20
AMD4679	38.00	39.00	1.00	34	10	10	0.2	1		17
AMD4680	39.00	41.00	2.00	24	10	<5	0.3	1		13
AMD4681	41.00	42.50	1.50	24	6	14	0.2	1		17
AMD4682	42.50	44.00	1.50	34	11	<5	0.2	1		17
AMD4683	44.00	45.50	1.50	48	11	14	0.5	1		16
AMD4684	45.50	47.00	1.50	24	5	10	0.1	1		17
AMD4685	47.00	47.95	0.95	28	6	10	0.1	1		13
AMD4686	47.95	48.50	0.55	536	817	213	3.2	52		43
AMD4687	48.50	48.84	0.34	262	1850	10	1.8	103		50
AMD4688	48.84	49.34	0.50	261	247	10	1.6	6		43
AMD4689	49.34	49.84	0.50	226	479	<5	1.3	19		37
AMD4690	49.84	50.23	0.39	178	611	<5	1.1	15		43
AMD4691	50.23	50.52	0.29	216	3000	<5	2.4	104		104

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Sample	From (M)	To (M)	Long. (M)	Cu ppm	Zn ppm	Au ppb	Ag ppm	Pb ppm	As ppm	Ni ppm
AMD4692	50.52	50.97	0.45	252	602	<5	2.1	256		68
AMD4693	50.97	51.60	0.63	187	627	10	0.8	349		131
AMD4694	51.60	53.00	1.40	129	55	<5	0.2	11		105
AMD4695	53.00	54.50	1.50	158	374	<5	0.2	32		91
AMD4696	54.50	56.00	1.50	139	378	<5	0.1	59		105
AMD4697	56.00	57.50	1.50	101	119	<5	0.1	34		121
AMD4698	57.50	58.54	1.04	136	492	<5	0.1	2		86
AMD4699	58.54	59.00	0.46	142	70	<5	0.1	1		76
AMD4700	59.00	60.50	1.50	127	105	10	0.1	12		53
AMD4701	60.50	62.00	1.50	141	537	<5	0.3	328		36
AMD4702	62.00	63.50	1.50	118	107	<5	0.2	17		35
AMD4703	63.50	64.54	1.04	106	131	<5	0.1	10		52
AMD4704	64.54	65.08	0.54	109	1170	<5	0.3	139		71
AMD4705	65.08	66.45	1.37	94	58	<5	0.1	8		81
AMD4706	66.45	67.05	0.60	122	68	7	0.1	6		79
AMD4707	67.05	68.00	0.95	167	712	<5	0.2	120		99
AMD4708	68.00	68.79	0.79	177	372	<5	0.7	172		100
AMD4709	68.79	69.50	0.71	237	276	17	1.2	101		145
AMD4710	69.50	70.29	0.79	35	268	14	0.9	87		36
AMD4711	70.29	72.41	2.12	146	697	<5	0.6	262		83
AMD4712	72.41	74.00	1.59	135	358	<5	0.2	48		84
AMD4713	74.00	74.40	0.40	101	93	10	0.2	36		85
AMD4714	74.40	75.50	1.10	85	627	<5	0.3	259		100
AMD4715	75.50	77.00	1.50	99	3000	<5	0.4	354		113
AMD4716	77.00	78.50	1.50	89	363	<5	0.4	59		125
AMD4717	78.50	80.00	1.50	112	2010	<5	0.3	402		117
AMD4718	80.00	81.50	1.50	100	156	<5	0.2	43		116
AMD4719	81.50	83.00	1.50	114	142	<5	0.3	38		99
AMD4720	83.00	83.56	0.56	127	148	<5	0.6	23		105
AMD4721	83.56	83.78	0.22	31	347	<5	0.1	2		29
AMD4722	83.78	83.99	0.21	77	140	<5	0.1	2		106
AMD4723	83.99	84.17	0.18	72	62	10	0.6	29		57
AMD4724	84.17	85.52	1.35	143	151	10	0.2	38		89
AMD4724	85.52	86.16	0.64	102	87	14	0.5	72		83
AMD4725	86.16	86.97	0.81	188	10600	14	0.9	2400		102
AMD4727	86.97	87.50	0.53	272	306	21	0.7	87		100
AMD4728	87.50	89.00	1.50	621	3640	113	5.1	148		183
AMD4729	89.00	89.63	0.63	642	4660	110	4.9	143		216
AMD4730	89.63	90.34	0.71	116	1900	14	1.2	2860		46
AMD4731	90.34	90.70	0.36	78	2620	<5	1.8	478		58
AMD4732	90.70	91.63	0.93	89	465	<5	0.6	45		53
AMD4734	91.63	91.91	0.28	637	4200	27	4.5	134		265
AMD4735	91.91	93.50	1.59	43	55	<5	0.1	8		28
AMD4736	93.50	95.00	1.50	43	35	10	0.1	4		30
AMD4737	95.00	96.17	1.17	140	570	10	1.1	201		67
AMD4738	96.17	97.21	1.04	187	771	14	1.8	58		91
AMD4739	97.21	98.00	0.79	275	381	<5	0.8	27		143

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Sample	From (M)	To (M)	Leng. (M)	Cu ppm	Zn ppm	Au ppb	Ag ppm	Pb ppm	As ppm	Ni ppm
AM04740	98.00	99.50	1.50	124	233	<5	0.3	21		114
AM04741	99.50	100.52	1.02	57	67	<5	0.1	7		83
AM04742	100.52	101.12	0.60	305	1510	14	1.2	40		86
AM04743	101.12	102.50	1.38	58	172	<5	0.1	6		94
AM04744	102.50	104.00	1.50	63	51	<5	0.1	3		86
AM04746	104.00	105.50	1.50	93	68	10	0.2	13		95
AM04747	105.50	107.00	1.50	109	64	10	0.2	1		92
AM04748	107.00	108.50	1.50	209	77	<5	0.3	5		87
AM04749	108.50	109.10	0.60	111	39	<5	0.1	2		101
AM04745	109.10	109.88	0.78	95	41	34	0.1	76		85
AM04750	109.88	110.92	1.04	130	48	27	0.1	7		110
AM04751	110.92	111.27	0.35	180	41	<5	0.1	15		103
AM04752	111.27	112.65	1.38	127	40	<5	0.1	1		80
AM04753	112.65	113.76	1.11	225	48	10	0.1	1		88
AM04754	113.76	114.01	0.25	76	86	27	0.1	1		85
AM04755	114.01	114.50	0.49	82	49	<5	0.1	1		97
AM04756	114.50	116.00	1.50	81	66	7	0.1	1		90
AM04757	116.00	117.50	1.50	126	125	7	0.1	1		73
AM04758	117.50	119.00	1.50	106	45	<5	0.1	1		90
AM04759	119.00	120.50	1.50	102	52	<5	0.1	1		80
AM04760	120.50	122.00	1.50	101	43	<5	0.1	1		93
AM04761	122.00	123.50	1.50	95	46	10	0.1	2		111
AM04762	123.50	124.60	1.10	86	31	<5	0.1	1		91
AM04763	124.60	125.00	0.40	83	39	<5	0.1	10		95
AN00390	191.98	193.48	1.50	97.000	138.00	7.0000	0.2000	9.0000		68.000
AN00391	193.48	194.48	1.00	145.00	737.00	<5	0.1000	76.000		77.000
AN00392	194.48	195.98	1.50	89.000	116.00	<5	0.1000	15.000		78.000
AN00393	195.98	197.48	1.50	105.00	58.000	<5	0.1000	22.000		66.000

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GEOCHEMICAL ASSAY

DATE: 09/06/1992

Sample	From (M)	To (M)	Leng. (M)	SiO2 %	Al2O3 %	CaO %	MgO %	Na2O %	K2O %	Fe2O3 %	TiO2 %	P2O5 %	MnO %	CR2O3 %	LOI %	SUM %	Y PPM	ZR PPM	BA PPM	RB PPM	SR PPM	CO2 %	CU PPM	ZN PPM	NI PPM	CR PPM	FIELD NAME	CHEM ID	ALUM
AN04359	5.40	6.80	1.40	76.61	0.57	1.55	1.10	0.11	0.10	19.42	0.03	<0.02	0.28	<0.00	0.62	100.38	6	146					25	30	<10		4PR	32	
AN04360	11.54	12.01	0.47	80.29	0.39	0.85	0.97	0.06	0.06	15.38	0.02	<0.02	0.41	0.00	0.65	99.04	<2	128					25	25	<10		4PR	40	
AN04361	15.22	15.63	0.41	86.27	0.56	0.59	0.72	0.03	0.08	10.72	0.02	<0.02	0.25	<0.00	1.01	100.25	<2	106					20	50	50		4PR	80	
AN04362	20.72	21.26	0.54	77.77	6.32	0.11	0.98	0.14	1.08	10.22	0.23	0.02	0.10	0.00	2.64	99.70	6	180					70	1615	50		4PR*	475	
AN04363	25.82	26.50	0.68	55.12	17.90	0.61	3.42	0.19	3.64	14.34	1.00	0.08	0.32	0.09	3.85	100.56	14	174					100	725	90		2w*	403	
AN04364	48.01	48.50	0.49	80.45	1.51	0.32	0.87	0.16	0.20	10.92	0.06	<0.02	1.07	<0.00	3.00	97.66	6	134					70	870	<10		4PR	222	
AN04365	53.00	54.00	1.00	47.85	14.34	7.48	8.31	2.53	1.26	12.38	0.79	0.04	0.23	0.03	4.44	99.68	16	156					140	310	140		2u	127	
AN04366	68.95	69.57	0.62	51.97	7.52	13.77	2.65	2.31	0.52	8.83	0.43	<0.02	0.07	0.01	8.49	96.58	6	110					90	170	50		2v	45	
AN04367	73.00	74.00	1.00	47.58	13.65	8.35	7.14	3.56	0.42	12.08	0.84	0.06	0.22	0.03	5.11	99.04	18	172					115	415	100		2u	111	
AN04368	88.20	89.00	0.80	34.73	7.64	5.59	1.66	1.28	1.34	17.02	0.35	0.04	0.07	0.03	22.43	92.48	14	188					285	2965	100		2vi	93	
AN04369	89.76	90.26	0.50	67.69	12.28	4.38	1.39	5.00	0.88	3.50	0.25	0.10	0.06	0.05	4.25	99.82	<2	138					45	1045	30		3PR	120	
AN04370	96.45	97.00	0.55	57.97	7.55	3.44	2.43	1.28	0.90	11.82	0.29	0.06	0.10	0.01	12.05	97.89	12	164					145	415	80		2vi	134	
AN04371	104.00	105.50	1.50	47.93	14.53	7.34	6.43	2.57	1.20	13.01	0.86	0.10	0.26	0.04	4.73	98.97	20	178					95	120	100		2u	131	
AN04373	110.00	113.00	3.00	46.54	13.13	10.22	5.58	2.58	1.52	11.27	0.63	0.04	0.24	0.05	6.26	98.04	20	152					75	80	100		2u	92	
AN04374	119.00	122.00	3.00	49.30	15.01	9.59	8.33	2.03	1.30	11.28	0.63	0.04	0.21	0.05	2.88	100.63	16	116					110	105	180		2u	116	
AN00232	135.00	138.00	3.00	49.79	13.81	9.52	8.36	1.82	1.30	10.34	0.63	0.08	0.20	0.08	2.17	98.11	12	32					90	90	110		2u	109	
AN00233	139.52	141.05	1.53	71.05	15.35	1.80	0.55	6.89	1.08	1.39	0.18	0.10	0.02	0.07	0.79	99.27	4	88					10	40	<10		4PR	157	
AN00234	173.00	176.00	3.00	50.03	14.19	11.49	7.32	1.58	0.86	10.70	0.69	0.08	0.20	0.07	1.63	98.84	12	34					90	90	100		2u	102	
AN00235	185.00	188.00	3.00	48.25	14.71	9.20	8.35	2.29	1.06	11.60	0.75	<0.02	0.20	0.06	2.01	98.46	14	40					90	75	120		2u	117	

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GEOCHEMICAL ASSAYS

DATE: 09/06/1992

Sample	From (M)	To (M)	Leng. (M)	AG PPM	AU PPB	CO PPM	PB PPM	S PPM	V PPM	AS PPM	SN PPM	CD PPM	SB PPM	BI PPM	SE PPM	HF PPM	TA PPM	W PPM	MO PPM	TH PPM	U PPM	B PPM	CS PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	GD PPM		
AM04359	5.40	6.80	1.40			<5		12000																							
AM04360	11.54	12.01	0.47			<5		21600																							
AM04361	15.22	15.63	0.41			<5		19400																							
AM04362	20.72	21.26	0.54			25		22000																							
AM04363	25.82	26.50	0.68			45		1800																							
AM04364	48.01	48.50	0.49			5		30800																							
AM04365	53.00	54.00	1.00			45		1200																							
AM04366	68.95	69.57	0.62			50		47800																							
AM04367	73.00	74.00	1.00			45		1000																							
AM04368	88.20	89.00	0.80			50		135000																							
AM04369	89.76	90.26	0.50			10		3700																							
AM04370	96.45	97.00	0.55			65		58200																							
AM04371	104.00	105.50	1.50			40		3200																							
AM04373	110.00	113.00	3.00			65		8900																							
AM04374	119.00	122.00	3.00			50		600																							
AN00232	135.00	138.00	3.00			45																									
AN00233	139.52	141.05	1.53			<5																									
AN00234	173.00	176.00	3.00			40																									
AN00235	185.00	188.00	3.00			50																									

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GEOCHEMICAL ASSAYS

DATE: 09/06/1992

Sample	From (M)	To (M)	Leng. (M)	DY PPM	ER PPM	LU PPM	OS PPB	IR PPB	RU PPB	RH PPB	PT PPB	PD PPB	LI PPM	BE PPM	MN PPM	GA PPM	GE PPM	IN PPM	TL PPM	SC PPM	BR PPM	YB PPM	NB PPM	
AM04359	5.40	6.80	1.40																					
AM04360	11.54	12.01	0.47																					
AM04361	15.22	15.63	0.41																					
AM04362	20.72	21.26	0.54																					
AM04363	25.82	26.50	0.68																					
AM04364	48.01	48.50	0.49																					
AM04365	53.00	54.00	1.00																					
AM04366	68.95	69.57	0.62																					
AM04367	73.00	74.00	1.00																					
AM04368	88.20	89.00	0.80																					
AM04369	89.76	90.26	0.50																					
AM04370	96.45	97.00	0.55																					
AM04371	104.00	105.50	1.50																					
AM04373	110.00	113.00	3.00																					
AM04374	119.00	122.00	3.00																					
AN00232	135.00	138.00	3.00																					
AN00233	139.52	141.05	1.53																					
AN00234	173.00	176.00	3.00																					
AN00235	185.00	188.00	3.00																					

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HOLE NUMBER: CU32-03

DRILL HOLE RECORD

DATE: 06/09/1992

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 3.00	OVERBURDEN «{ob}»	-sandy clay, organics, boulders, casing.				
3.00 TO 9.22	CHLORITE-GRAPHITE SCHIST «5g,Ch»	-greenish grey. -Strongly sheared with schistosity developed at low angles to core axis. Possibly altered argillaceous chert. -Lower contact at 15-20° to core axis.		-Strongly chloritic; weakly graphitic; talcose (?).	-3-5% pyrite throughout, along schistosity and in occasional chert rafts/quartz veins; trace to 1% pyrrhotite in chert.	-Moderately magnetic.
9.22 TO 31.57	CHERT «5cht»	-medium grey. -Moderately fractured and black chlorite filled at 10-15° and 100-105° to core axis. -Weakly sheared and green chlorite and pyrrhotite flooded. -Narrow chloritic bands throughout at 25° to core axis. -13.01-13.24m felsic lapilli tuff (?); moderately chloritic and epidotized. -17.12-19.51m intermediate lapilli tuff/sheared cataclastic argillaceous chert (?); sheared at 25° to core axis with shear direction rotating into core axis downhole with increasing cataclasis. -19.51-20.60m fractures variably chlorite, pyrite, sphalerite, galena and chalcopryrite filled. -20.60-22.20m moderately sheared and chlorite + pyrrhotite ± chalcopryrite flooded, with rare sphalerite + chalcopryrite + galena mineralization associated with narrow chlorite veins.		-Locally moderately chloritic and epidotized (?); chloritic bands may represent sheared intermediate tuff or siltstone. -Moderately to strongly graphitic; moderately chloritic.	-2-3% pyrrhotite disseminated throughout; 4-6% pyrrhotite associated with chlorite and as massive fracture filling with trace pyrite. -3-5% pyrite in narrow shear-parallel bands; 1-3% pyrrhotite in chlorite-graphite bands; local sphalerite to 3% and trace galena, trace chalcopryrite in chloritic matrix in cataclastic bands and veins cross-cutting shear at high angles to core axis.	-Locally moderately magnetic.
31.57 TO 35.45	SILTSTONE «5g,silst»	-dark grey. -Well banded at 25° to core axis, with gradational upper and lower contacts; cherty intervals throughout. Strongly chloritic and epidotitic (?) bands host dusty pyrrhotite ± chalcopryrite to 8%.		-Weakly carbonatized in shear-parallel bands. -Moderately chloritic, moderately to strongly silicified.	-Trace pyrite, indeterminate pyrrhotite. -33.64-33.78m 2-3% sphalerite in narrow carbonate fractures in cherty interval.	-Weakly, locally strongly, magnetic.

HOLE NUMBER: CU32-03

DRILL HOLE RECORD

LOGGED BY: D. TRUSCOTT/J. AULTMAN

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FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		<p>-82.70-83.63m weakly sheared and carbonate-black chlorite-amorphous orange-brown mineral flooded.</p> <p>-83.72-83.99m weakly to moderately sheared and quartz-carbonate-chlorite flooded at 40° to core axis.</p> <p>-85.55-85.71m carbonate-quartz vein at high angle to core axis.</p> <p>-85.97-87.50m weakly to moderately sheared at moderate angles to core axis with carbonate (pink at upper contact) and quartz flooding.</p> <p>-87.25-87.50m moderately to strongly sheared/brecciated and chlorite healed with trace sphalerite in matrix.</p> <p>-87.50-90.50m as 87.25-87.50m; strongly sheared at 25-35° to core axis; locally carbonate-quartz flooded. Lower contact at 50° to core axis.</p>		<p>-Moderately carbonatized and chloritic, increasing downhole with intervals of shearing; weakly to moderately silicified.</p> <p>-Strongly silicified.</p>	<p>-2-4% fine-grained pyrite associated with flooding.</p> <p>-Weakly pyritic, carbonatized halo downhole.</p> <p>-2-3% dusty to fine-grained pyrite disseminated throughout, 10-40% to 87.94m. Sphalerite and trace galena in carbonate veins along contacts with wallrock as specks and locally massive fining to 3mm.</p>	
90.50 TO 93.15	GRAPHITIC SHEAR «5g, {FA1}»	-Shear banding at 30° to core axis with carbonate flooding shear plane and filling stockwork; banding locally contorted.			-2-3% fine- to medium-grained light brown to honey coloured sphalerite and trace fine- to medium-grained galena in contorted bands and associated with carbonate flooding.	
93.15 TO 143.15	BASALT «21»	<p>-greenish grey, fine- to medium grained.</p> <p>-As 44.44-90.50m; occasional amorphous orange-brown veining associated with carbonate veins; variably chlorite-spotted and calcite spotted to 3mm.</p> <p>-101.86-102.56m moderately to strongly silicified, weakly carbonatized.</p> <p>-104.18-104.35m porphyritic in plagioclase (?).</p> <p>-109.23-109.40m graphitic; carbonate flooded shear at 45-50° to core axis.</p> <p>-111.96-113.14m amygdular interval; amygdules to 1.6mm.</p>		<p>-Strongly silicified.</p> <p>-Moderately silicified, weakly pervasively carbonatized.</p>	<p>-Trace fine-grained pyrite.</p> <p>-Fractured pyritic band at lower contact.</p> <p>-Trace fine-grained pyrite.</p>	
143.15 TO 146.15	GABBRO «71L»	<p>-greenish grey; medium-grained.</p> <p>-Massive to weakly foliated, equigranular.</p> <p>-144.50-145.03m sheared and quartz flooded.</p>		-Moderately to strongly silicified.	<p>-Trace fine-grained pyrite.</p> <p>-Trace pyrite.</p>	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
146.15 TO 196.00	BASALT «2LU»	<p>-greenish grey; fine- to medium-grained.</p> <p>-As 93.15-143.15m; increasingly coarse-grained flows downhole with black chlorite spots to 0.5cm common; poorly foliated at 30-35° to core axis.</p> <p>-154.85-155.55m weakly brecciated and quartz-flooded; weakly bleached halo 153.86-154.85m.</p> <p>-163.27-163.62m carbonate-flooded shear at 25° to core axis.</p> <p>-172.90-174.03m feldspar (-quartz) porphyry dyke; weakly fractured and black chlorite filled; generally buff to grey coloured and poorly foliated with weak alignment of phenocrysts (flow banded) at 30° to core axis; rare zoned plagioclase (?) phenocrysts; plagioclase (?) and K-feldspar (?) phenocrysts to 45%, from 1 to 4mm, sub- to euhedral; rare quartz phenocrysts; narrow chilled contacts.</p> <p>-174.26-174.33m as above.</p> <p>-176.32-196.00m fine-grained, generally massive flows; few quartz veins.</p>		<p>-Generally moderately silicified; biotite - chlorite and calcite.</p> <p>-50cm carbonatized alteration halo.</p> <p>-Moderately to strongly silicified; weakly chloritic groundmass.</p> <p>-Bleached haloes around quartz veins weakly carbonatized; locally strongly chloritic.</p>	<p>-Rare blebs pyrrhotite and void-filling pyrrhotite and trace chalcopyrite at 148.58m. Trace pyrite throughout.</p> <p>-Slightly elevated pyrite content at upper contact.</p> <p>-Trace to 1% dusty to fine-grained, rarely medium-grained pyrite disseminated throughout.</p> <p>-Slightly elevated pyrite content in bleached haloes; trace to 1% pyrite in quartz veins. Trace fine-grained pyrite throughout.</p>	<p>-Generally weakly magnetic.</p> <p>-Locally weakly magnetic.</p>
196.00 TO 275.00	PILLOWED MAFICS «2peu(Ch)»	<p>-medium grey-green.</p> <p>-fine grained.</p> <p>-moderately hard (slightly marked by scribe) and slightly magnetic.</p> <p>-pillowed unit, selvages are up to 2cm wide and contain chlorite, hyaloclastite and pyrite.</p> <p>-pillows have quartz filled amygdules.</p> <p>-unit is weakly fractured at 45-50°/CA.</p> <p>-fractures are filled with carbonate, quartz and orthoclase.</p> <p>-a second minor set of fractures are also present, this set has irregular orientations.</p> <p>-247.42-247.74m -quartz vein at 40°/CA, vein contains 10-15% wallrock fragments and trace pyrite.</p> <p>-265.69-265.77m, irregular quartz vein with trace pyrite.</p> <p>-265.96-266.25m, quartz vein at 40°/CA with 2-3% pyrite.</p> <p>-266.63-267.20m, quartz vein at 40°/CA with 50%</p>		<p>-weak silicification.</p> <p>-moderate chloritization.</p> <p>-weak sericitization.</p> <p>-weak bleaching on pillow rims.</p>	<p>-1-2% pyrite (present in pillow selvages and fractures).</p> <p>-trace pyrrhotite (found in the selvages).</p> <p>-trace sphalerite and galena (found in quartz-carbonate stringers and fractures).</p> <p>-rare specks of chalcopyrite.</p> <p>-225.62-225.68m, 2% sphalerite in a 1-2mm wide fracture.</p> <p>-229.21-229.27m, 3mm wide sphalerite and carbonate filled fracture.</p> <p>-233.05-233.15m, 1.5cm wide quartz (50%) - carbonate (50%) vein at 45°/CA which contains 35% galena and one speck of chalcopyrite.</p>	

HOLE NUMBER: CU32-03

DRILL HOLE RECORD

DATE: 06/09/1992

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
275.00 TO 275.00	E.O.H.	wallock fragments and trace pyrite.				

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DRILL HOLE RECORD

LOGGED BY: D. TRUSCOTT/J. AULTMAN

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HOLE NUMBER : CU32-03

ASSAYS SHEET

DATE: 09/06/1992

Sample	From (M)	To (M)	Leg. (M)	Cu ppm	Zn ppm	Au ppb	Ag ppm	Pb ppm	As ppm	Ni ppm
AM04945	3.00	4.00	1.00	119	115	10	0.1	1		168
AM04946	4.00	5.00	1.00	81	140	<5	0.1	1		167
AM04947	5.00	6.50	1.50	134	112	17	0.2	2		211
AM04948	6.50	8.00	1.50	92	110	<5	0.3	4		162
AM04949	8.00	8.30	0.30	196	110	<5	0.5	9		180
AM04950	8.30	9.22	0.92	158	587	<5	0.4	154		172
AM05801	9.22	11.00	1.78	66	57	10	0.6	1		40
AM05802	11.00	12.50	1.50	61	147	17	0.2	1		28
AM05803	12.50	14.00	1.50	52	56	21	0.3	1		20
AM05804	14.00	15.50	1.50	52	74	72	0.4	1		16
AM05805	15.50	17.12	1.62	42	86	17	0.4	10		17
AM05806	17.12	18.12	1.00	136	4620	<5	1.3	1730		29
AM05807	18.12	19.51	1.39	105	4280	<5	0.8	1050		20
AM05808	19.51	20.60	1.09	97	3750	24	1.3	1710		19
AM05809	20.60	22.20	1.60	151	1210	24	3.2	274		28
AM05810	22.20	23.00	0.80	124	2930	10	2.2	518		21
AM05811	23.00	24.50	1.50	56	50	10	0.3	13		21
AM05812	24.50	26.00	1.50	25	25	<5	0.2	2		15
AM05813	26.00	27.50	1.50	21	18	21	0.1	2		21
AM05814	27.50	29.00	1.50	39	12	55	0.4	1		19
AM05815	29.00	30.50	1.50	30	13	<5	0.2	1		14
AM05816	30.50	31.57	1.07	26	15	<5	0.1	1		15
AM05817	31.57	33.50	1.93	48	24	<5	0.2	1		22
AM05818	33.50	34.50	1.00	33	139	<5	0.2	1		30
AM05819	34.50	35.45	0.95	22	55	<5	0.2	1		14
AM05821	35.45	37.20	1.75	82	103	17	1.3	4		19
AM05822	37.20	37.45	0.25	23	103	10	0.3	11		11
AM05823	37.45	38.84	1.39	29	33	24	0.5	15		15
AM05824	38.84	39.56	0.72	55	7	27	0.4	10		20
AM05825	39.56	41.30	1.74	184	113	96	1.0	43		26
AM05826	41.30	42.43	1.13	337	1620	27	5.9	303		112
AM05827	42.43	44.44	2.01	247	306	21	1.2	65		113
AM05828	44.44	45.10	0.66	164	105	10	0.6	44		126
AM05829	45.10	45.53	0.43	89	17200	10	0.4	1510		75
AM05830	45.53	46.18	0.65	137	3070	14	0.7	425		110
AM05838	46.18	46.36	0.18	71	41800	10	1.0	911		72
AM05831	46.36	47.15	0.79	129	995	65	0.6	135		152
AM05832	47.15	47.68	0.53	171	17900	10	0.8	518		94
AM05833	47.68	48.50	0.82	112	1140	<5	0.2	102		126
AM05834	48.50	50.50	2.00	85	200	<5	0.1	66		121
AM05835	50.50	51.50	1.00	114	1290	<5	0.4	550		130
AM05836	51.50	53.00	1.50	128	63	<5	0.2	3		100
AM05837	53.00	54.50	1.50	105	131	10	0.2	405		106
AM05839	54.50	56.00	1.50	124	152	<5	0.1	94		91
AM05855	56.00	57.50	1.50	95	85	<5	0.1	4		95
AM05856	57.50	59.00	1.50	88	288	<5	0.2	23		102
AM05857	59.00	60.50	1.50	86	2150	<5	0.2	16		95

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ASSAYS SHEET

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HOLE NUMBER : CU32-03

ASSAYS SHEET

DATE: 09/06/1992

Sample	From (M)	To (M)	Leng. (M)	Cu ppm	Zn ppm	Au ppb	Ag ppm	Pb ppm	As ppm	Ni ppm
AM05858	60.50	62.00	1.50	115	116	<5	0.2	60		93
AM05859	62.00	63.50	1.50	96	192	<5	0.2	15		92
AM05860	63.50	65.00	1.50	130	938	<5	0.2	17		66
AM05861	65.00	66.50	1.50	115	91	<5	0.1	7		56
AM05862	66.50	68.00	1.50	127	67	<5	0.1	25		36
AM05863	68.00	69.50	1.50	112	58	<5	0.3	3		52
AM05864	69.50	71.00	1.50	149	61	<5	0.1	4		53
AM05865	71.00	72.50	1.50	128	99	10	0.1	7		42
AM05866	72.50	74.00	1.50	113	478	<5	0.2	33		63
AM05867	74.00	75.50	1.50	84	65	<5	0.2	2		67
AM05868	75.50	77.00	1.50	127	45	<5	0.2	2		43
AM05869	77.00	78.50	1.50	116	82	<5	0.1	1		63
AM05870	78.50	80.00	1.50	134	51	<5	0.2	3		51
AM05871	80.00	81.50	1.50	113	71	<5	0.2	11		71
AM05872	81.50	83.00	1.50	133	214	<5	0.4	204		108
AM05873	83.00	84.50	1.50	101	62	<5	0.1	4		103
AM05874	84.50	85.97	1.47	102	87	<5	0.1	1		94
AM05875	85.97	87.50	1.53	113	2140	<5	0.9	68		94
AM05876	87.50	89.00	1.50	81	1250	21	1.4	291		57
AM05878	89.00	90.50	1.50	183	7520	24	2.2	2620		75
AM05879	90.50	92.00	1.50	603	36400	<5	4.7	8240		154
AM05880	92.00	93.00	1.00	167	20900	34	2.0	4800		70
AM05881	93.00	95.00	2.00	93	629	<5	0.1	151		131
AM05882	95.00	96.50	1.50	79	371	14	0.3	73		88
AM05883	96.50	98.00	1.50	66	310	<5	0.1	72		107
AM05884	98.00	99.50	1.50	91	951	<5	0.1	85		126
AM05885	99.50	101.00	1.50	93	1750	<5	0.1	335		93
AM05886	101.00	101.86	0.86	155	329	<5	0.2	86		105
AM05898	101.86	102.56	0.70	42	458	<5	0.2	90		31
AM05887	102.56	104.00	1.44	126	384	<5	0.2	57		89
AM05888	104.00	105.50	1.50	92	94	<5	0.1	277		85
AM05889	105.50	107.00	1.50	123	197	<5	0.1	16		106
AM05890	107.00	108.50	1.50	134	92	<5	0.2	8		146
AM05891	108.50	110.00	1.50	117	120	<5	0.2	4		108
AM05892	110.00	111.50	1.50	99	56	<5	0.1	1		78
AM05893	111.50	111.96	0.46	177	177	<5	0.1	4		92
AM05894	111.96	113.14	1.18	44	59	<5	0.1	5		62
AM05895	113.14	114.00	0.86	113	47	<5	0.2	2		86
AM05896	114.00	116.00	2.00	187	1380	<5	0.4	179		93
AM05897	116.00	117.50	1.50	127	87	<5	0.3	5		84
AM05899	117.50	119.00	1.50	130	59	<5	0.2	8		64
AM05900	119.00	120.50	1.50	128	40	<5	0.1	2		72
AM05901	120.50	122.00	1.50	123	44	7	0.2	16		73
AM05902	122.00	123.50	1.50	134	58	<5	0.2	21		72
AM05903	123.50	125.00	1.50	107	67	14	0.2	7		91
AM05904	125.00	126.50	1.50	119	70	10	0.1	1		80
AM05905	126.50	128.00	1.50	138	59	17	0.2	3		63

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ASSAYS SHEET

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HOLE NUMBER : CU32-03

ASSAYS SHEET

DATE: 09/06/1992

Sample	From (M)	To (M)	Leg. (M)	Cu ppm	Zn ppm	Au ppb	Ag ppm	Pb ppm	As ppm	Ni ppm
AM05906	128.00	129.50	1.50	129	191	14	0.2	21		54
AM05907	129.50	131.00	1.50	140	975	10	0.2	75		50
AM05908	131.00	132.50	1.50	124	125	7	0.2	12		51
AM05909	132.50	134.00	1.50	157	41	14	0.1	5		61
AM05910	134.00	135.50	1.50	131	42	<5	0.1	2		69
AM05911	135.50	137.00	1.50	134	39	14	0.1	2		66
AM05912	137.00	138.50	1.50	167	147	21	0.2	22		75
AM05913	138.50	140.00	1.50	130	32	10	0.2	3		68
AM05914	140.00	141.50	1.50	124	39	7	0.1	2		77
AM05915	141.50	143.15	1.65	156	177	10	0.2	48		91
AM05916	143.15	144.50	1.35	125	36	17	0.1	1		64
AM05917	144.50	145.03	0.53	117	43	21	0.1	5		41
AM05918	145.03	146.15	1.12	141	37	10	0.1	1		60
AM05919	146.15	147.50	1.35	186	38	7	0.1	1		67
AM05921	147.50	149.00	1.50	118	36	14	0.1	1		51
AM05922	149.00	150.50	1.50	159	31	<5	0.1	1		66
AM05923	150.50	152.00	1.50	147	48	10	0.2	10		78
AM05924	152.00	153.50	1.50	116	39	14	0.2	1		78
AM05925	153.50	154.85	1.35	127	209	10	0.7	44		105
AM05926	154.85	155.55	0.70	132	147	<5	0.4	47		80
AM05927	155.55	157.00	1.45	139	38	17	0.1	1		87
AM05928	157.00	158.00	1.00	137	34	17	0.1	1		82
AM05929	158.00	159.50	1.50	125	35	<5	0.1	1		79
AM05930	159.50	161.00	1.50	83	34	<5	0.1	1		77
AM05931	161.00	162.50	1.50	99	77	10	0.1	6		101
AM05932	162.50	164.00	1.50	229	347	7	0.8	68		113
AM05933	164.00	165.50	1.50	187	55	<5	0.7	2		83
AM05934	165.50	167.00	1.50	176	37	<5	0.1	1		56
AM05935	167.00	168.50	1.50	154	40	<5	0.1	2		45
AM05936	168.50	170.00	1.50	153	36	<5	0.1	2		42
AM05937	170.00	171.50	1.50	146	35	<5	0.1	1		50
AM05938	171.50	172.90	1.40	131	89	<5	0.2	13		49
AM05939	172.90	174.03	1.13	30	332	10	0.1	94		13
AM05940	174.03	175.00	0.97	178	65	<5	0.2	56		58
AM05941	175.00	176.32	1.32	139	87	14	0.2	11		51
AM05942	176.32	177.50	1.18	121	521	<5	0.9	28		56
AM05943	177.50	179.00	1.50	139	282	14	0.1	67		60
AM05944	179.00	180.50	1.50	126	37	10	0.2	3		52
AM05945	180.50	182.00	1.50	138	31	7	0.1	1		53
AM05946	182.00	183.50	1.50	149	28	<5	0.1	1		59
AM05947	183.50	185.00	1.50	141	55	10	0.1	9		64
AM05948	185.00	186.50	1.50	137	39	10	0.2	14		65
AM05949	186.50	188.00	1.50	150	93	10	0.2	19		65
AM05950	188.00	189.50	1.50	128	58	<5	0.1	43		67
AM05951	189.50	191.00	1.50	129	550	<5	0.2	128		73
AM05952	191.00	192.50	1.50	161	85	<5	0.2	20		81
AM05953	192.50	194.00	1.50	147	50	<5	0.1	3		74

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HOLE NUMBER : CU32-03

ASSAYS SHEET

DATE: 09/06/1992

Sample	From (M)	To (M)	Leng. (M)	Cu ppm	Zn ppm	Au ppb	Ag ppm	Pb ppm	As ppm	Ni ppm
AM05954	194.00	195.50	1.50	125	348	<5	0.1	28		69
AM05955	195.50	196.00	0.50	139	61	<5	0.2	18		83
AN00394	224.00	225.50	1.50	138.00	437.00	17.000	0.5000	50.000		87.000
AN00395	225.50	225.80	0.30	132.00	011700	7.0000	1.3000	2260.0		76.000
AN00396	225.80	227.30	1.50	101.00	105.00	<5	0.2000	39.000		88.000
AN00397	227.30	228.30	1.00	111.00	40.000	<5	0.1000	1.0000		91.000
AN00398	228.30	229.05	0.75	201.00	126.00	21.000	0.6000	161.00		94.000
AN00399	229.05	229.35	0.30	278.00	6540.0	10.000	0.7000	781.00		97.000
AN00400	229.35	230.85	1.50	467.00	487.00	10.000	0.9000	652.00		172.00
AN00402	230.85	231.85	1.00	149.00	78.000	<5	0.1000	133.00		131.00
AN00403	231.85	233.00	1.15	115.00	207.00	<5	0.1000	80.000		88.000
AN00404	233.00	233.30	0.30	116.00	59.000	<5	2.0000	019700		87.000
AN00405	233.30	233.80	0.50	161.00	45.000	<5	0.1000	41.000		94.000
AN00406	245.92	247.42	1.50	130.00	55.000	<5	0.2000	27.000		62.000
AN00407	247.42	247.74	0.32	139.00	34.000	<5	0.1000	36.000		35.000
AN00408	247.74	249.24	1.50	662.00	73.000	7.0000	0.9000	26.000		75.000
AN00409	264.10	265.60	1.50	108.00	252.00	<5	0.1000	32.000		67.000
AN00410	265.60	265.96	0.36	545.00	4740.0	7.0000	1.2000	596.00		63.000
AN00411	265.96	266.25	0.29	147.00	984.00	38.000	0.2000	91.000		32.000
AN00412	266.25	266.63	0.38	84.000	173.00	<5	0.2000	61.000		108.00
AN00413	266.63	267.20	0.57	326.00	2720.0	10.000	0.6000	451.00		59.000
AN00414	267.20	268.70	1.50	131.00	391.00	7.0000	0.4000	179.00		86.000

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ASSAYS SHEET

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HOLE NUMBER : CU32-03

GEOCHEMICAL ASSAY

DATE: 09/06/1992

Sample	From (M)	To (M)	Leng. (M)	SI02 %	AL2O3 %	CAO %	MGO %	NA2O %	K2O %	FE2O3 %	TIO2 %	P2O5 %	MNO %	CR2O3 %	LOI %	SUM %	Y PPM	ZR PPM	BA PPM	RB PPM	SR PPM	CO2 %	CU PPM	ZN PPM	NI PPM	CR PPM	FIELD NAME	CHEM ID	ALUM
AM04952	8.30	9.22	0.92	65.00	17.87	0.69	0.85	0.89	3.28	6.12	0.99	0.12	0.05	0.09	3.37	99.34	10	156						85	1160	130		37*	368
AM04953	11.61	12.31	0.70	75.77	1.02	1.03	1.37	0.04	0.14	20.31	0.05	<0.02	0.44	0.00	0.32	100.48	8	146						40	210	<10		4PR	84
AM04954	15.50	16.30	0.80	94.10	0.14	0.55	0.12	0.03	0.04	4.75	0.02	<0.02	0.08	<0.00	0.67	100.49	2	94						15	40	<10		4PR	23
AM04955	21.20	22.20	1.00	87.65	0.73	0.43	0.38	0.03	0.08	6.52	0.03	<0.02	0.05	<0.00	1.95	97.84	<2	68						60	675	<10		4PR	135
AM04956	24.00	25.33	1.33	85.72	0.53	1.05	0.82	0.04	0.12	11.64	0.03	<0.02	0.21	<0.00	0.46	100.62	6	134						45	40	50		4PR	44
AM04957	30.50	31.00	0.50	82.58	0.08	0.54	1.02	0.02	<0.02	15.84	<0.01	<0.02	0.28	<0.00	0.06	100.41	6	134						25	20	<10		4PR	14
AM04958	32.50	33.50	1.00	77.77	1.02	0.98	1.67	0.01	0.04	16.35	0.06	<0.02	0.28	0.00	1.13	99.32	4	162						25	1135	<10		4PR	99
AM04959	43.44	44.44	1.00	54.93	8.01	2.19	4.01	0.86	0.48	13.29	0.35	0.04	0.16	0.01	13.36	97.69	12	160						210	935	50		2vi	227
AM04960	48.90	49.90	1.00	45.19	13.94	6.93	8.41	1.21	0.90	11.91	0.74	0.04	0.19	0.03	8.42	97.91	10	136						115	1100	120		2u	154
AM04961	53.00	54.00	1.00	49.29	15.14	8.32	7.64	1.87	1.32	12.29	0.82	0.06	0.24	0.03	2.56	99.58	12	162						110	110	130		2u	132
AM04963	80.50	81.50	1.00	50.63	13.19	7.05	6.57	2.70	0.74	10.59	0.76	0.06	0.20	0.03	6.18	98.70	12	130						105	140	90		2u	126
AM04964	83.00	83.63	0.63	47.88	13.60	7.17	8.45	2.87	0.92	11.62	0.87	0.06	0.26	0.03	5.27	98.98	14	140						135	80	120		2u	124
AM04965	88.00	89.00	1.00	56.67	11.40	7.55	4.92	1.65	1.24	8.19	0.60	0.06	0.16	0.02	6.87	99.35	12	114						130	1195	70		2u	109
AM04967	91.00	92.00	1.00	61.11	5.32	6.30	1.22	0.32	1.40	5.37	0.19	0.06	0.06	0.01	15.11	96.49	6	96						485	19580	110		2wi	66
AM04968	143.15	144.15	1.00	51.51	12.88	9.24	7.90	1.75	1.00	10.85	0.61	0.04	0.21	0.05	2.92	98.95	10	156						255	405	90		2u	107
AM04969	153.86	154.85	0.99	48.46	13.96	8.58	8.71	2.40	1.04	11.10	0.63	0.04	0.20	0.04	4.11	99.26	12	134						130	215	150		2u	116
AM04970	172.90	173.90	1.00	69.37	15.60	2.48	0.67	6.80	1.62	2.24	0.18	0.08	0.03	<0.00	1.11	100.19	4	142						40	190	<10		4PR	143
AN00237	200.00	203.00	3.00	50.85	15.00	11.81	5.29	1.68	0.64	10.36	0.76	0.06	0.22	0.09	1.16	97.90	16	44						80	120	120		2w	106
AN00238	236.00	239.00	3.00	49.43	14.69	10.06	6.63	2.72	1.04	11.59	0.68	0.02	0.24	0.08	1.69	98.87	16	36						50	135	110		2u	106
AN00239	272.00	275.00	3.00	49.80	15.18	9.18	6.59	4.08	0.74	11.21	0.71	<0.02	0.22	0.08	2.03	99.80	16	34						90	85	110		2u	108

HOLE NUMBER: CU32-03

GEOCHEMICAL ASSAY

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HOLE NUMBER : CU32-03

GEOCHEMICAL ASSAYS

DATE: 09/06/1992

Sample	From (M)	To (M)	Leng. (M)	AG PPM	AU PPB	CO PPM	PB PPM	S PPM	V PPM	AS PPM	SN PPM	CD PPM	SB PPM	BI PPM	SE PPM	HF PPM	TA PPM	W PPM	MO PPM	TH PPM	U PPM	B PPM	CS PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	GO PPM		
AN04952	8.30	9.22	0.92			45		11700																							
AN04953	11.61	12.31	0.70			<5		14500																							
AN04954	15.50	16.30	0.80			<5		11700																							
AN04955	21.20	22.20	1.00			5		33400																							
AN04956	24.00	25.33	1.33			<5		3900																							
AN04957	30.50	31.00	0.50			<5		4400																							
AN04958	32.50	33.50	1.00			<5		10400																							
AN04959	43.44	44.44	1.00			35		44200																							
AN04960	48.90	49.90	1.00			40		2400																							
AN04961	53.00	54.00	1.00			45		1700																							
AN04963	80.50	81.50	1.00			35		3200																							
AN04964	83.00	83.63	0.63			35		2000																							
AN04965	88.00	89.00	1.00			30		8300																							
AN04967	91.00	92.00	1.00			125		30000																							
AN04968	143.15	144.15	1.00			35		2000																							
AN04969	153.86	154.85	0.99			40		2900																							
AN04970	172.90	173.90	1.00			<5		900																							
AN00237	200.00	203.00	3.00			50																									
AN00238	236.00	239.00	3.00			55																									
AN00239	272.00	275.00	3.00			45																									

HOLE NUMBER: CU32-03

GEOCHEMICAL ASSAYS

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HOLE NUMBER : CU32-03

GEOCHEMICAL ASSAYS

DATE: 09/06/1992

Sample	From (M)	To (M)	Leng. (M)	DY PPM	ER PPM	LU PPM	OS PPB	IR PPB	RU PPB	RH PPB	PT PPB	PD PPB	LI PPM	BE PPM	MN PPM	GA PPM	GE PPM	IN PPM	TL PPM	SC PPM	BR PPM	YB PPM	NB PPM	
AM04952	8.30	9.22	0.92																					
AM04953	11.61	12.31	0.70																					
AM04954	15.50	16.30	0.80																					
AM04955	21.20	22.20	1.00																					
AM04956	24.00	25.33	1.33																					
AM04957	30.50	31.00	0.50																					
AM04958	32.50	33.50	1.00																					
AM04959	43.44	44.44	1.00																					
AM04960	48.90	49.90	1.00																					
AM04961	53.00	54.00	1.00																					
AM04963	80.50	81.50	1.00																					
AM04964	83.00	83.63	0.63																					
AM04965	88.00	89.00	1.00																					
AM04967	91.00	92.00	1.00																					
AM04968	143.15	144.15	1.00																					
AM04969	153.86	154.85	0.99																					
AM04970	172.90	173.90	1.00																					
AN00237	200.00	203.00	3.00																					
AN00238	236.00	239.00	3.00																					
AN00239	272.00	275.00	3.00																					

HOLE NUMBER: CU32-03

GEOCHEMICAL ASSAYS

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HOLE NUMBER: CU32-04

DRILL HOLE RECORD

DATE: 06/09/1992

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 4.85	DVERBURDEN «{obj}»					
4.85 TO 183.00	MAFIC VOLCANICS «2meu(Ch)»	<ul style="list-style-type: none"> -fine to medium grained. -medium to dark green. -massive and with rare faint, narrow pillow selvages. -unit contains <0.5% white leucoxenes (up to 1mm in length). -quartz and feldspar filled amygdules present. -amygdules are up to 5mm in diameter. -massive areas have white leucoxenes (0.5mm in length). -unit is slightly fractured at 30-40°/CA. -fractures are filled with carbonate, quartz and orthoclase. -a minor set of fractures has an irregular orientation. -unit is weakly foliated at 40-45°/CA. -unit contains irregular narrow (<1-3mm wide) quartz and orthoclase fractures. -unit becomes more pillowed with depth. -the selvages become 1-3cm wide and contain chlorite, pillow fragments and trace pyrite. -between 135.0 and 145.0m, a number of sediment like bands are present in the selvages. -these bands are weakly conductive. 		-weak to moderate chloritization.	<ul style="list-style-type: none"> -21.80-22.25m, 0.5-1% sphalerite present in a 1cm wide carbonate stringer, parallel to CA. -23.85-24.28m, 3-5% sphalerite and 1-3% galena in a quartz-carbonate vein (80% quartz, 20% carbonate); vein is 15cm wide and is at 30°/CA. -24.60-24.65m, trace sphalerite. -27.04-27.09m, trace to 0.5% sphalerite. -33.43-33.51m, 1-2% sphalerite and trace chalcopyrite in a 1cm carbonate vein at 25°/CA. -44.23-44.24m, trace sphalerite in a 2mm wide carbonate fracture. -46.60-47.00m, a 10-15cm wide quartz-carbonate vein (60% quartz, 40% carbonate) at 25°/CA. Vein contains 5-8% sphalerite and trace galena and chalcopyrite. -54.08-54.14m, 3cm wide carbonate vein at 35°/CA with 0.5% galena present. -78.70-78.90m, specks of chalcopyrite in carbonate stringers. 	-the sphalerite and galena mineralization appears to be a late stage low temperature event.
183.00 TO 183.00	E.O.H.					

HOLE NUMBER: CU32-04

DRILL HOLE RECORD

LOGGED BY: J. AULTMAN

PAGE: 2

HOLE NUMBER : CU32-04

ASSAYS SHEET

DATE: 09/06/1992

Sample	From (M)	To (M)	Leng. (M)	Cu ppm	Zn ppm	Au ppb	Ag ppm	Pb ppm	As ppm	Ni ppm
AN00369	20.80	21.80	1.00	117.00	55.000	<5	0.1000	82.000		87.000
AN00370	21.80	22.25	0.45	102.00	7220.0	<5	0.2000	356.00		71.000
AN00371	22.25	23.85	1.60	84.000	614.00	<5	0.1000	103.00		81.000
AN00372	23.85	24.30	0.45	147.00	010200	<5	1.8000	012200		35.000
AN00373	24.30	25.80	1.50	104.00	79.000	<5	0.1000	79.000		142.00
AN00374	25.80	27.30	1.50	102.00	206.00	<5	0.2000	39.000		89.000
AN00375	27.30	28.80	1.50	116.00	56.000	<5	0.1000	5.0000		60.000
AN00376	32.80	33.30	0.50	114.00	59.000	<5	0.1000	7.0000		67.000
AN00377	33.30	33.60	0.30	115.00	1200.0	<5	0.1000	8.0000		56.000
AN00378	33.60	35.10	1.50	129.00	30.000	7.0000	0.1000	1.0000		54.000
AN00379	43.60	45.10	1.50	128.00	211.00	<5	0.2000	11.000		45.000
AN00380	45.10	46.60	1.50	164.00	65.000	<5	0.2000	93.000		83.000
AN00382	46.60	47.00	0.40	148.00	026200	7.0000	0.4000	185.00		62.000
AN00383	47.00	48.50	1.50	109.00	98.000	<5	0.1000	1.0000		75.000
AN00384	53.00	54.00	1.00	109.00	51.000	<5	0.1000	1.0000		75.000
AN00385	54.00	54.30	0.30	97.000	207.00	<5	0.7000	6360.0		86.000
AN00386	54.30	55.30	1.00	117.00	55.000	<5	0.1000	4.0000		66.000
AN00387	77.70	78.70	1.00	100.00	58.000	<5	0.1000	1.0000		79.000
AN00388	78.70	79.00	0.30	407.00	83.000	14.000	0.3000	7.0000		58.000
AN00389	79.00	80.00	1.00	146.00	79.000	7.0000	0.1000	1.0000		63.000

HOLE NUMBER: CU32-04

ASSAYS SHEET

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HOLE NUMBER : CU32-04

GEOCHEMICAL ASSAY

DATE: 09/06/1992

Sample	From (M)	To (M)	Leng. (M)	SI02 %	AL2O3 %	CAO %	MGO %	NA2O %	K2O %	FE2O3 %	TIO2 %	P2O5 %	MNO %	CR2O3 %	LOI %	SUM %	Y PPH	ZR PPH	BA PPH	RB PPH	SR PPH	CO2 %	CU PPH	ZN PPH	NI PPH	CR PPH	FIELD NAME	CHEM ID	ALUM ID
AN00226	6.00	9.00	3.00	49.88	14.72	11.36	6.88	2.25	0.28	11.19	0.74	0.08	0.22	0.09	1.16	98.87	16	44					105	80	150		2u	106	
AN00227	49.00	52.00	3.00	48.49	14.54	10.25	8.11	1.54	1.16	11.18	0.72	0.06	0.19	0.06	1.85	98.15	14	36					115	90	110		2u	112	
AN00228	81.00	84.00	3.00	49.58	14.90	9.91	7.36	1.78	0.60	12.25	0.77	<0.02	0.27	0.08	2.29	99.79	14	44					105	130	130		2u	121	
AN00229	126.00	129.00	3.00	49.98	14.46	9.35	6.69	3.04	0.30	11.42	0.75	0.16	0.24	0.08	2.06	98.52	16	38					85	130	120		2u	114	
AN00230	174.00	177.00	3.00	49.70	14.58	10.12	7.50	1.95	1.08	11.02	0.72	0.04	0.22	0.07	2.09	99.08	12	38					95	90	100		2u	111	

HOLE NUMBER: CU32-04

GEOCHEMICAL ASSAY

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HOLE NUMBER : CU32-04

GEOCHEMICAL ASSAYS

DATE: 09/06/1992

Sample	From (M)	To (M)	Length (M)	AG PPM	AU PPB	CO PPM	PB PPM	S PPM	V PPM	AS PPM	SN PPM	CD PPM	SB PPM	BI PPM	SE PPM	HF PPM	TA PPM	W PPM	MO PPM	TH PPM	U PPM	B PPM	CS PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	GD PPM		
AN00226	6.00	9.00	3.00			50																									
AN00227	49.00	52.00	3.00			45																									
AN00228	81.00	84.00	3.00			45																									
AN00229	126.00	129.00	3.00			55																									
AN00230	174.00	177.00	3.00			45																									

HOLE NUMBER : CU32-04

GEOCHEMICAL ASSAYS

PAGE: 5

HOLE NUMBER : CU32-04

GEOCHEMICAL ASSAYS

DATE: 09/06/1992

Sample	From (M)	To (M)	Leng. (M)	DY PPM	ER PPM	LU PPM	OS PPB	IR PPB	RU PPB	RH PPB	PT PPB	PD PPB	LI PPM	BE PPM	MN PPM	GA PPM	GE PPM	IN PPM	TL PPM	SC PPM	BR PPM	YB PPM	NB PPM
AN00226	6.00	9.00	3.00																				
AN00227	49.00	52.00	3.00																				
AN00228	81.00	84.00	3.00																				
AN00229	126.00	129.00	3.00																				
AN00230	174.00	177.00	3.00																				

HOLE NUMBER: CU32-04

GEOCHEMICAL ASSAYS

PAGE: 6

Report of Work Conducted After Recording Claim

Mining Act

ASSET FILES
Transaction Number
W9360.00075

Personal information collected on this form is obtained under the authority of the this collection should be directed to the Provincial Manager, Mining Lands, 1 Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.



41010NE9110 42 CUNNINGHAM

900

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

Recorded Holder(s) Robert Allan MacGregor		Client No. 162287
Address 28 Ford Street, Sault Ste. Marie, ON, P6A 4N4		Telephone No. (705)949-4250
Mining Division Porcupine	Township/Area Cunningham	M or G Plan No. G-1095
Dates Work Performed From: March 28, 1992		To: April 1, 1992

Work Performed (Check One Work Group Only)

Work Group	Type
Geotechnical Survey	
Physical Work, Including Drilling	
Rehabilitation	
Other Authorized Work	
Assays	
Assignment from Reserve	

ONTARIO GEOLOGICAL SURVEY
DIAMOND DRILLING
GIS - ASSESSMENT FILES
JUN 2 1993
RECEIVED

RECORDED
MAR 19 1993
Receipt _____

Total Assessment Work Claimed on the Attached Statement of Costs \$ 18,600

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.

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

Name	Address
Alex Gagnon Norex Drilling Limited	P.O. Box 88, Porcupine, ON, P0N 1C0
Jim T. Aultman (author) Falconbridge Limited	P.O. Box 1140, 571 Moneta Avenue, Timmins, ON, P4N 7H9

(attach a schedule if necessary)

Certification of Beneficial Interest * See Note No. 1 on reverse side

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 10/3/93	Recorded Holder or Agent (Signature) <i>[Signature]</i>
--	-----------------	--

Certification of Work Report

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 reporting is true.		
Name and Address of Person Certifying R.E. Gadzala, c/o Falconbridge Limited, P.O. Box 1140, 571 Moneta Avenue, Timmins, ON, P4N 7H9		
Telephone No. (705)267-1188	Date March 3, 1993	Certified By (Signature) <i>R. Gadzala</i>

For Office Use Only

Total Value Cr. Recorded <i>18,600.</i>	Date Recorded MARCH 25 th /93	Mining Recorder <i>[Signature]</i>	Received Stamp RECEIVED MAR 25 1993 <i>TR (C) 4:00</i>
	Deemed Approval Date JUNE 20 th /93	Date Approved <i>[Signature]</i>	
	Date Notice for Amendments Sent		



Ministry of
Northern Development
and Mines



Ministère du
Développement du Nord
et des mines

Statement of Costs
for Assessment Credit

État des coûts aux fins
du crédit d'évaluation

Transaction No./N° de transaction

W9360.00075

Mining Act/Loi sur les mines

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, Minings 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.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre		
	Field Supervision Supervision sur le terrain	\$500	\$500
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert- conseil	Type Diamond Drilling	\$17,374	
	Report	500	
			\$17,874
Supplies Used Fournitures utilisées	Type		
Equipment Rental Location de matériel	Type		
Total Direct Costs Total des coûts directs			\$18,374

2. Indirect Costs/Coûts indirects

** Note: When claiming Rehabilitation work indirect costs are not allowable as assessment work.
Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type Truck Rental	\$150	
	Gas	\$76	
			\$226
Food and Lodging Nourriture et hébergement			
Mobilization and Demobilization Mobilisation et démobilisation			
Sub Total of Indirect Costs Total partiel des coûts indirects			\$226
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)			
Total Value of Assessment Credit (Total of Direct and Allowable Indirect costs)			\$18,600

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.

Filing Discounts

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:

Total Value of Assessment Credit	Total Assessment Claimed
	x 0.50 =

Remises pour dépôt

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.

Valeur totale du crédit d'évaluation	Evaluation totale demandée
	x 0,50 =

Certification Verifying Statement of Costs

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.

that as R.E. Gadzala (Sr. Field Geologist) am authorized
(Recorded Holder, Geologist, Position in Company)

to make this certification

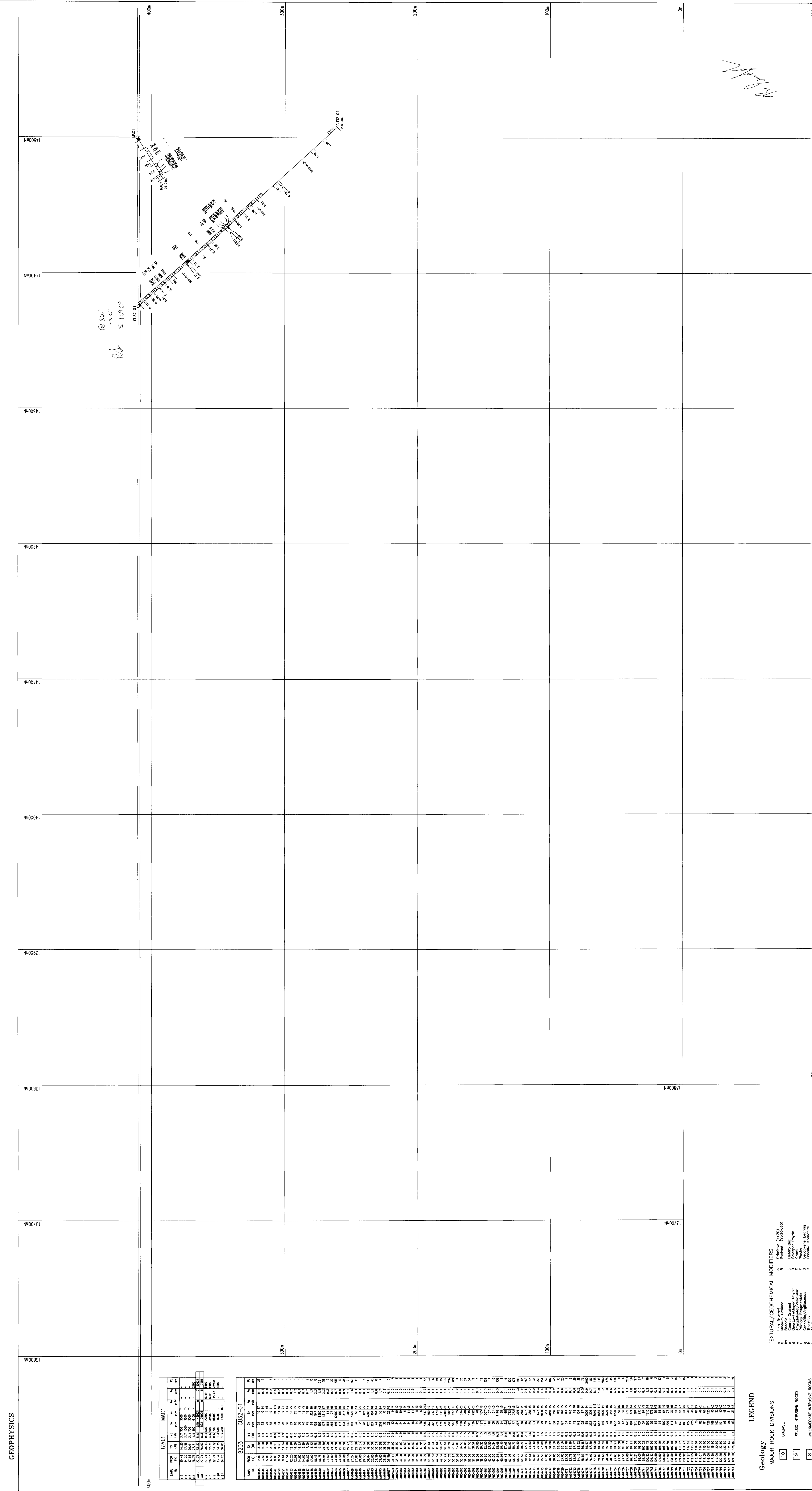
Attestation de l'état des coûts

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.

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

à faire cette attestation.

Signature R. Gadzala Date March 5/93



FALCONBRIDGE LIMITED
 Exploration Division Timmins - ONTARIO

PETER LAKE PROJECT (CUNNINGHAM 31 & 32)
 DIAMOND DRILL SECTION 11650 E (1/25th)

Project No. 4027
 Date: 07/09/07
 Drawn: J.P.P.
 Checked: J.A.H.
 Scale: 1:1000 (Metric)

GEOPHYSICS

6203 M01

Depth (m)	Resistivity (ohm-m)	Apparent Resistivity (ohm-m)
0	100	100
10	100	100
20	100	100
30	100	100
40	100	100
50	100	100
60	100	100
70	100	100
80	100	100
90	100	100
100	100	100

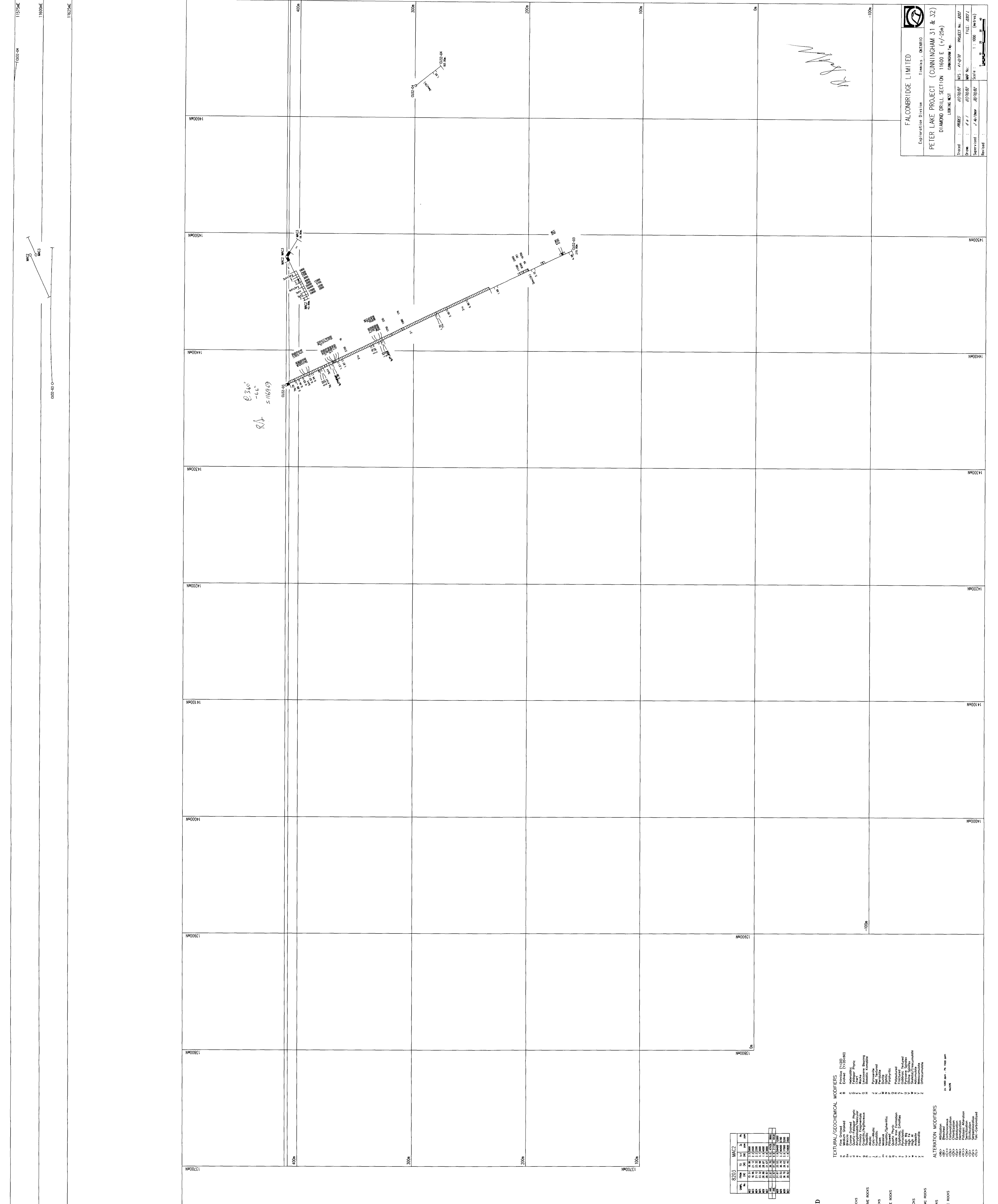
8203 C03Z-01

Depth (m)	Resistivity (ohm-m)	Apparent Resistivity (ohm-m)
0	100	100
10	100	100
20	100	100
30	100	100
40	100	100
50	100	100
60	100	100
70	100	100
80	100	100
90	100	100
100	100	100

- Geology**
- MAJOR ROCK DIVISIONS**
- 10 TAMBAC
 - 9 FELSIC INTRUSIVE ROCKS
 - 8 INTERMEDIATE INTRUSIVE ROCKS
 - 7 MAFIC INTRUSIVE ROCKS
 - 6 ULTRAMAFIC INTRUSIVE ROCKS
 - 5 SEMI-METAMORPHIC ROCKS
 - 4 FELSIC VOLCANIC ROCKS
 - 3 INTERMEDIATE VOLCANIC ROCKS
 - 2 MAFIC VOLCANIC ROCKS
 - 1 ULTRAMAFIC VOLCANIC ROCKS
- TEXTURAL/GEOCHEMICAL MODIFIERS**
- 0 Fine Grained
 - A Primary (C30-60)
 - B Metamorphic
 - C Hydrothermal
 - D Cataclastic
 - E Metasomatic
 - F Metasedimentary
 - G Metavolcanic
 - H Metachert
 - I Metagreywacke
 - J Metaglimstone
 - K Metagypsiferous
 - L Metagypsiferous
 - M Metagypsiferous
 - N Metagypsiferous
 - O Metagypsiferous
 - P Metagypsiferous
 - Q Metagypsiferous
 - R Metagypsiferous
 - S Metagypsiferous
 - T Metagypsiferous
 - U Metagypsiferous
 - V Metagypsiferous
 - W Metagypsiferous
 - X Metagypsiferous
 - Y Metagypsiferous
 - Z Metagypsiferous
- ALTERATION MODIFIERS**
- 000 None
 - 001 Brecciated
 - 002 Brecciated
 - 003 Brecciated
 - 004 Brecciated
 - 005 Brecciated
 - 006 Brecciated
 - 007 Brecciated
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 - 100 Brecciated

GEOPHYSICS

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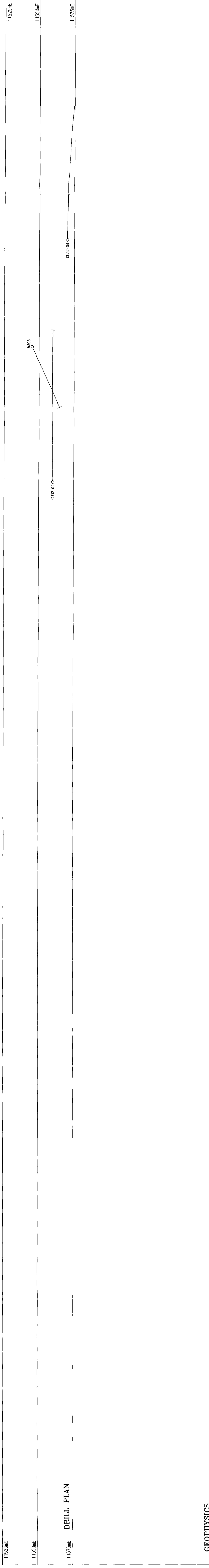


- Geology**
- MAJOR ROCK DIVISIONS**
- 10 DIAMIC
 - 9 FELSIC INTRUSIVE ROCKS
 - 8 INTERMEDIATE INTRUSIVE ROCKS
 - 7 MAFIC INTRUSIVE ROCKS
 - 6 ULTRAMAFIC INTRUSIVE ROCKS
 - 5 SEMI-METAMORPHIC ROCKS
 - 4 FELSIC VOLCANIC ROCKS
 - 3 INTERMEDIATE VOLCANIC ROCKS
 - 2 MAFIC VOLCANIC ROCKS
 - 1 ULTRAMAFIC VOLCANIC ROCKS
- TEXTURAL/SEDIMENTOLOGICAL MODIFIERS**
- 0000 Medium Grained
 - 0001 Coarse Grained
 - 0002 Fine Grained
 - 0003 Porphyritic
 - 0004 Crystalline
 - 0005 Glassy
 - 0006 Crystalline
 - 0007 Crystalline
 - 0008 Crystalline
 - 0009 Crystalline
 - 0010 Crystalline
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 - 0100 Crystalline
- ALTERATION MODIFIERS**
- 0000 None
 - 0001 Chlorite
 - 0002 Chlorite
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 - 0100 Chlorite

FALCONBRIDGE LIMITED
 Exploration Division
PETER LAKE PROJECT (CUNNINGHAM 31 & 32)
 DIAMOND DRILL SECTION 11600 E (+/-25m)
 CUNNINGHAM Twp.
 LONKING WEST

Project No.: 4887
 Draw No.: 4887
 Date: 02/08/07
 Scale: 1:1000 (Metric)

Revised: 02/08/07



11554E DRILL PLAN

8203 MAC5	
Time	Depth (m)
00:00	0
00:05	10
00:10	20
00:15	30
00:20	40
00:25	50
00:30	60
00:35	70
00:40	80
00:45	90
00:50	100
00:55	110
01:00	120
01:05	130
01:10	140
01:15	150
01:20	160
01:25	170
01:30	180
01:35	190
01:40	200
01:45	210
01:50	220
01:55	230
02:00	240
02:05	250
02:10	260
02:15	270
02:20	280
02:25	290
02:30	300

8203 CHZ-04	
Time	Depth (m)
00:00	0
00:05	10
00:10	20
00:15	30
00:20	40
00:25	50
00:30	60
00:35	70
00:40	80
00:45	90
00:50	100
00:55	110
01:00	120
01:05	130
01:10	140
01:15	150
01:20	160
01:25	170
01:30	180
01:35	190
01:40	200
01:45	210
01:50	220
01:55	230
02:00	240
02:05	250
02:10	260
02:15	270
02:20	280
02:25	290
02:30	300

8203 CHZ-02	
Time	Depth (m)
00:00	0
00:05	10
00:10	20
00:15	30
00:20	40
00:25	50
00:30	60
00:35	70
00:40	80
00:45	90
00:50	100
00:55	110
01:00	120
01:05	130
01:10	140
01:15	150
01:20	160
01:25	170
01:30	180
01:35	190
01:40	200
01:45	210
01:50	220
01:55	230
02:00	240
02:05	250
02:10	260
02:15	270
02:20	280
02:25	290
02:30	300

GEOPHYSICS

Geology

- MAJOR ROCK DIVISIONS
- 1 DIBSE
 - 2 FELIC INTRUSIVE ROCKS
 - 3 FELIC INTRUSIVE ROCKS
 - 4 FELIC INTRUSIVE ROCKS
 - 5 FELIC INTRUSIVE ROCKS
 - 6 ULTRAMAFIC INTRUSIVE ROCKS
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 - 100 ULTRAMAFIC INTRUSIVE ROCKS

TEXTURAL/GEOCHEMICAL MODIFIERS

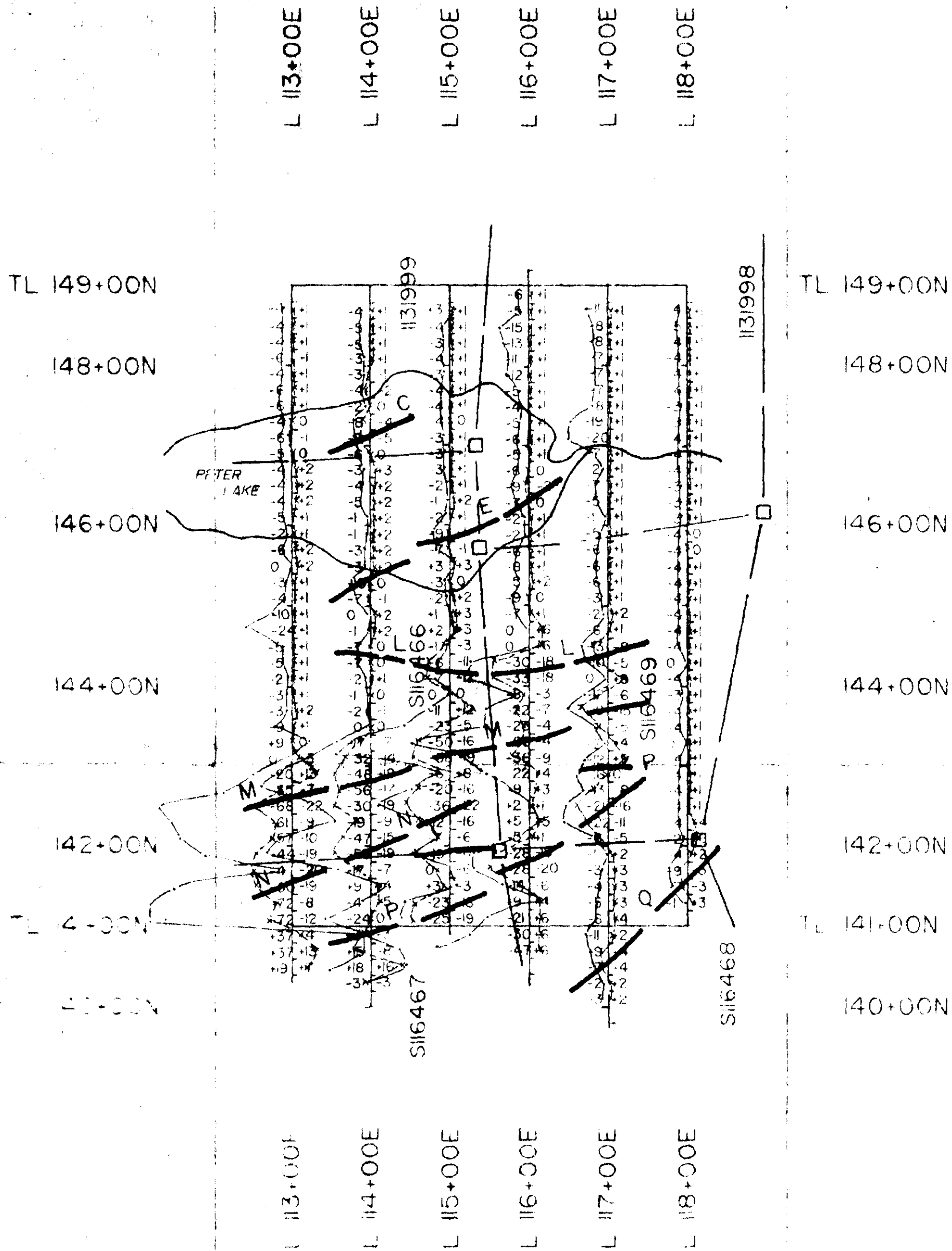
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- 102 DIBSE (1525-60)
- 103 DIBSE (1525-60)
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- 106 DIBSE (1525-60)
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- 109 DIBSE (1525-60)
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ALTERATION MODIFIERS

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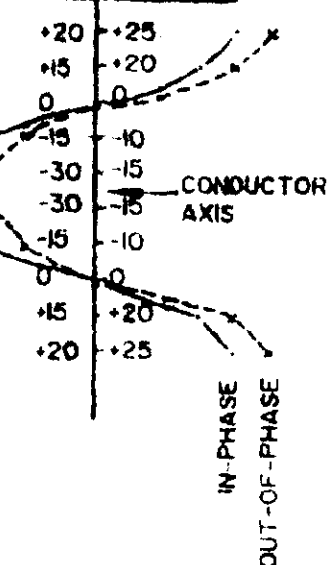
FALCONBRIDGE LIMITED
 Exploration Division
 Peter Lake Project (Cunningham 31 & 32)
 Diamond Drill Section 11550 E (1/25th)
 CUNNINGHAM 31
 PROJECT No. 4877
 DATE 22/09/07
 SHEET No. 11550E
 SCALE 1:1000 (Metric)
 DRAWN BY P.A.
 CHECKED BY J.A./D.M.
 APPROVED BY P.A.
 DATE 22/09/07

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MAX-MIN II

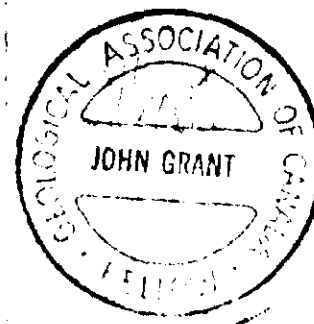
250




410109E9110 42 CUNNINGHAM

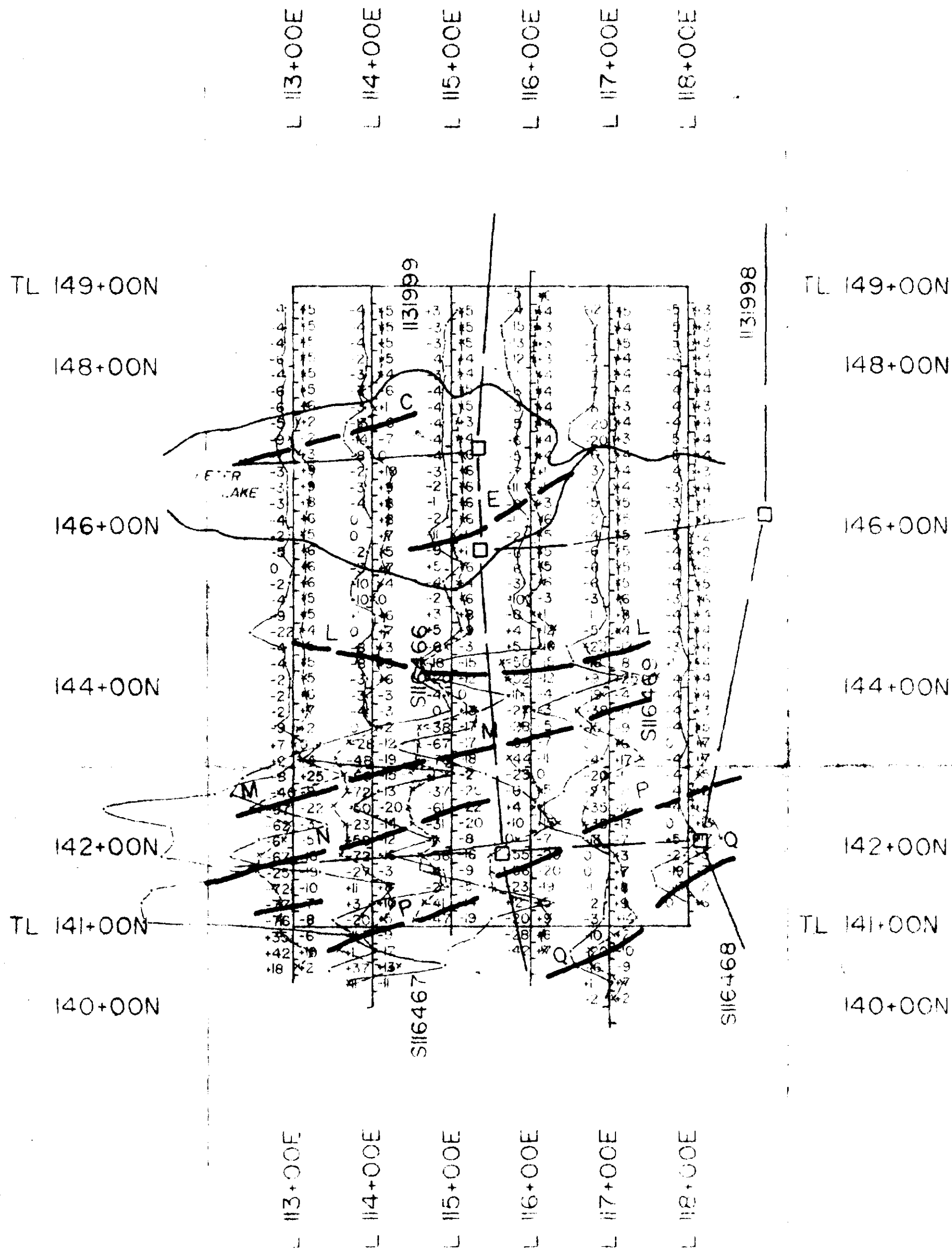
LEGEND

INSTRUMENT: Apex Parametrics Max-Min II
TYPE: Maximum Coupled, Horizontal Loop Survey
PARAMETRICS MEASURED: In-phase (%), Out of phase (%)
FREQUENCY: 444 Hz
LINE SEPARATION: 50m
OPERATOR: R. Mathieu
PROFILE SCALE: 1cm=20%



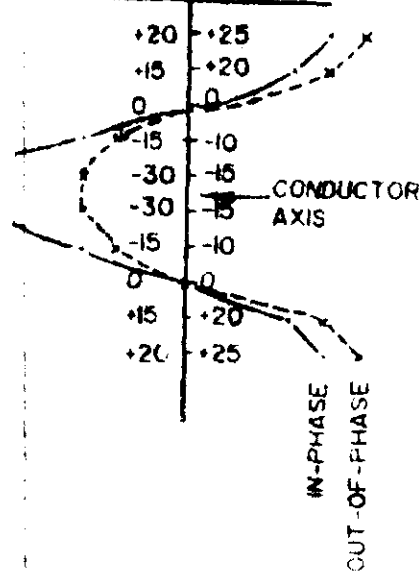
 EXSICS EXPLORATION LTD. P.O. Box 1688, PLM 2X1 Suite 13, Hollinger Bldg, Timmins O-T Telephone: 705-267-4151		
CLIENT	FALCONBRIDGE LIMITED	
PROPERTY	CUNNINGHAM TOWNSHIP	
TITLE	MAX-MIN II 444 Hz	
Date	Scale	NTS
Drawn	Interp	Job No.

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MAX-MIN II

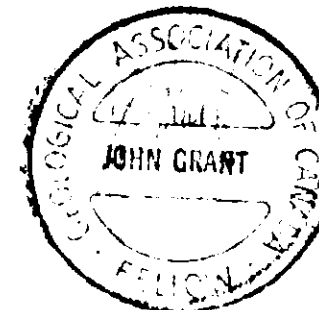
260




41018NE9118 42 CUNNINGHAM

LEGEND

INSTRUMENT: Apex Parametrics Max-Min II
MODE: Maximum Coupled, Horizontal Loop Survey
PARAMETERS MEASURED: In-phase (%)
 Out of phase (%)
FREQUENCY: 1777 Hz
SEPARATION: 50m
OPERATOR: R. Mathieu
PROFIT SCALE: 1cm=20%



 EXSICS EXPLORATION LTD P.O. Box 1889, RCM-741 Suite 101, Hellingier Bldg, Ottawa, Ont. Telephone: 725-267-4511			
CLIENT	FALCONBRIDGE LIMITED		
PROPERTY	CUNNINGHAM TOWNSHIP		
TITLE	MAX-MIN II 1777 Hz		
Date	2001	Scale	NIS
Drawn		Interp	Job No. 23