

41010NE0092 39 CUNNINGHAM

DIAMOND DRILLING

TOWNSHIP: CUNNINGHAM

REPORT NO: 39

WORK PERFORMED FOR: FALCONBRIDGE LTD

RECORDED HOLDER: SAME AS ABOVE []

: OTHER [ ]

<u>CLAIM NO.</u>	<u>HOLE NO.</u>	<u>FOOTAGE</u> (m)	<u>DATE</u>	<u>NOTE</u>
P1132289	CU31-01	125.0	JUNE/91	(1)
1132004	CU31-02	141.5	"	"
116469	CU32-01	125.0	MAY/91	"
"	CU32-02	154.0	MAY-JUNE/91	"
"	CU32-03	196.0	JUNE/91	"

NOTES: (1) W9260.00027, FILED AUG/92.

SEE ASSESSEMENT FILE 2.14596 FOR REPORT AND ORIGINALS

**APPENDIX II**

**DRILL LOGS**

HOLE NUMBER: CQ31-01

FALCONBRIDGE LIMITED  
DRILL HOLE RECORD

DATE: 12/11/1991  
METRIC UNITS: X

PROJECT NAME: B205  
PROJECT NUMBER: 002205  
CLAIM NUMBER: P1132289  
LOCATION: CUMMINGTON TWP

PLOTTING COORDS GRID: UTM

NORTH: N  
EAST: E  
ELEV: 433.00

ALTERNATE COORDS GRID: LINE  
NORTH: 137° N  
EAST: 100° E  
ELEV: 433.00

DATE STARTED: 06/08/1991  
DATE COMPLETED: 06/10/1991  
DATE LOGGED: 06/17/1991

COLLAR SURVEY: NO  
MULTISHOT SURVEY: NO  
ROD LOG: NO

PULSE EM SURVEY: NO  
PLUGGED: NO  
HOLE SIZE: B9

CONTRACTOR: MONEX  
CASING: Bw, 26m,  
CORE STORAGE: MINESITE  
UTM COORD: 1

COLLAR AZIMUTH: 360° ' ' " "

GRID AZIMUTH: 360° ' ' " "

COMMENTS :

REVISIONS AT:

DIRECTIONAL DATA:

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
35.00	360° ' ' " -48° ' ' "	-47° 30' "	S	OK	strongly magnetic	.....	.....	.....	.....	.....	.....
95.00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
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HOLE NUMBER: CQ31-01

DRILL HOLE RECORD

LOGGED BY: D. TRUSCOTT

PAGE: 1

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 26.00	CASING +1db+*	-sand, clay, gravel, boulders.				
26.00 TO 29.16	CHERT: DEBRIS FLOW (?) +5cht, base	-healy to moderately sheared; much ground core; generally weakly to moderately fractured with carbonate-chlorite infill. -29.00-29.16m intense leaching of iron- carbonatized interval.		-Variably carbonatized and chloritic. -Supergene.	-2-4% dusty to fine-grained pyrite disseminated throughout.	
29.16 TO 55.59	LAPILLI TUFF; CHERT FRAGMENTAL +3t, 5cht+	-dark purplish grey to dark grey to tan coloured. -29.16-30.08m intermediate lapilli tuff; 5-7% subangular to subrounded chert fragments to 2.5cm with carbonate veinlets throughout; ash tuff matrix. Rare 0.5 to 2.5cm pyrite and carbonate fragments. Moderately to well foliated at 15° to core axis. -30.08-31.42m 10-15% chert fragments, subrounded to subangular, to 4cm. Fragments poorly aligned at 60° to core axis. Gradational lower contact to lapilli tuff. -31.42-32.14m lapilli tuff as 26.16-30.08m; rare chert fragments; well foliated at 45° to core axis. -32.14-34.25m as 26.16-30.08m; 25-30% chert fragments aligned at 60° to core axis, 3cm to 3cm in size; gradational lower contact at 15° to core axis. -34.25-35.41m lapilli tuff as 31.42-32.14m with 1-2mm chloritic porphyroblasts aligned subparallel to well developed foliation at 15-25° to core axis. -35.41-36.20m chert fragmental/conglomerate as 30.08-31.42m; mafic matrix. Rounded to subangular fragments/clasts aligned at 55° to core axis, parallel to well developed foliation. -36.26-37.59m mafic lapilli tuff; 5-8% chert fragments, subrounded to subangular, to 4mm; banded/foliated at 40-45° to core axis. Banding locally contorted. -37.59-40.44m felsic lapilli tuff; predominantly plagioclase (?) and quartz lapilli; fining uphole. 39.74-39.83m ash tuff bands.		-Moderately carbonatized. -Moderately carbonatized. -Intense pervasive carbonatization. -Weakly to moderately chloritic; pervasively carbonatized. -Moderately chloritic, pervasively carbonatized. -Pervasively carbonatized; weakly to moderately chloritic. -Intensely carbonatized, strongly chloritic. -Weakly to moderately epidotized, sulfidized, weakly carbonatized, weakly chloritic.	-1-2% pyrite blebs throughout. -Semi-massive pyritic carbonate band, 1cm wide, at 50-60° to core axis. -Pyrite and carbonate fragments to 4cm, 2-3%. -Trace to 1% dusty to fine-grained pyrite disseminated throughout. -1-2% carbonate-pyrite fragments. -3-4% fine to medium-grained subhedral to subhedral pyrite, subparallel to banding/foliation. -Trace dusty pyrite disseminated throughout.	

HOLE NUMBER: CUS1-01

DRILL HOLE RECORD

LOGGED BY: D. TAUSCOTT

PAGE: 2

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
39.89-39.93m	CHERT CONGLOMERATE HERCYNITE SILICATE "Schist, slate"	ash tuff bands, 40.00-40.08m ash tuff bands. 40.44-42.90m ash tuff with discontinuous cherty bands from 40.98m; moderately well foliated at 40° to core axis. 42.90-44.03m felsic lapilli tuff as 37.59-40.44m.		-strongly chloritic; locally weakly carbonatized, increasing downhole. -bleached and strongly to intensely carbonatized; locally weakly epidotized (?) and sericitized (?); weakly chloritic. -moderately carbonatized.		
44.03-44.88m		chert fragments/conglomerate as 30.08-31.42m; intermediate-felsic matrix; 33-60% chert fragments/clasts, poorly sorted. 44.88-45.50m felsic ash-lapilli tuff; banded at 80° to core axis. 45.56-45.74m as above. 45.74-48.12m intermediate-felsic lapilli tuff; (fining uphole); lower contact slumped, fractured. 48.12-48.49m as 45.56-45.74m. 48.49-49.42m intermediate lapilli tuff as 26.16-30.08m, fining uphole. 49.42-49.65m clast-supported debris flow (?); chert and carbonate fragments.		-locally moderately carbonatized, moderately epidotized (?). -moderately to strongly carbonatized. -increasingly carbonatized downhole and silicified with weak epidotization (?) and sericitization (?). -Moderately chloritic.	-Trace fine-grained pyrite.	-weakly magnetic.
49.65-55.59m		intermediate lapilli tuff as 26.16-30.08m; well foliated with lapilli aligned parallel to foliation at 55-65° to core axis. 49.65-60.31m coarse fragments.		-Moderately chloritic. -Moderately carbonatized. -Intensely carbonatized.	-3-5% fine-grained pyrrhotite and 2-3% fine-grained pyrite in matrix; trace chalcopyrite (?). -2-3% dusty to fine-grained pyrite & pyrrhotite disseminated throughout. -Local blebby and possibly fragmental pyrite and pyrrhotite. Trace chalcopyrite associated with pyrrhotite.	
50.31-50.43m		ash layer at 50° to core axis.		-51.01-52.43m silicified and weakly epidotized (?). -Intensely carbonatized.		
52.93-53.00m		cherty band in semi-massive fine-grained pyrite band at lower contact.				
55.13-55.59m		fragments as 49.65-50.31m.		-Variable carbonatized, moderately chloritic.	-Trace to 1% medium-grained euhedral pyrite, 2-3% pyrrhotite and trace chalcopyrite fragments to 1.5cm.	
55.59 TO 62.50		-light grey to greenish grey to dark grey; 3.5cm. -Rounded to subangular chert clasts supported by chloritic siltstone and pyrrhotite matrix. -No apparent sorting of fragments to 3.5cm.			-Generally 10-15% pyrrhotite throughout in matrix and as rare blebs and fragments, rarely rimming	

HOLE NUMBER: CU31-01

DRILL HOLE RECORD

LOGGED BY: D. TRUSCOTT

PAGE: 3

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
62.50 TO 98.87	CHERT BRECCIO-CONGLOMERATE of chert, bas	<ul style="list-style-type: none"> <li>-Generally well banded at high angles to core axis.</li> <li>-locally clast-supported.</li> <li>-55.59-59.00m siltstone with rare chert clasts; banded/banded at 70° to core axis.</li> <li>-59.00-61.62m chert conglomerate with 10-30X clasts in siltstone and pyrrhotite matrix.</li> <li>-61.62-62.50m subangular to subrounded fragments in chlorite and pyrrhotite and pyrite matrix.</li> <li>-light to dark grey.</li> <li>-pebble to cobble-sized chert clasts in carbonate and chlorite and pyrrhotite and pyrite matrix; locally argillaceous intervals with varying amounts of chert clasts throughout.</li> <li>-70.10-70.35m pyrrhotitic mudstone; banded at 65° to core axis.</li> <li>-70.96-71.62m as above, with rare medium-grained pyrite cudas and pyrrhotite and chalcopyrite blebs to 1cm.</li> <li>-72.49-73.96m calcareous siltstone.</li> <li>-73.96-74.73 argillaceous interval as 55.59-59.00m; cherty lower contact. Unit increasingly clast-supported from 74.73m.</li> <li>-87.22-88.05m graphitic mudstone; upper contact at 45° to core axis, gradational; moderately well banded with occasional slumping at 50-55° to core axis.</li> <li>-88.37-89.34m mafic tuff/calcareous siltstone; gradational lower contact. Well bedded at 50-55° to core axis.</li> <li>-89.34-98.87m chert breccia as 74.73-87.22m; clast-supported; higher chloritic mudstone and siltstone content in bands to 17cm wide.</li> <li>-dark grey to greenish grey.</li> <li>-moderately well foliated at 35° to core axis.</li> <li>-5-7X fine-grained leucosene (?) disseminated throughout; weakly fractured and carbonate flooded.</li> <li>-101.30-101.85m moderately sheared and carbonate flooded at 20-45° to core axis.</li> <li>-118.50-119.02m amorphous orange-brown mineral as</li> </ul>		<ul style="list-style-type: none"> <li>-Strongly chloritic, weakly to moderately carbonatized.</li> <li>-Weakly graphitic.</li> <li>-Moderately graphitic, strongly chloritic.</li> <li>-As above.</li> </ul>	<ul style="list-style-type: none"> <li>-clasts.</li> <li>-pyrrhotite and pyrite bands throughout to 20X.</li> <li>-rare specks of chalcopyrite associated with pyrrhotite throughout; pyrrhotite and pyrite locally as fracture filling.</li> <li>-5-8X pyrrhotite throughout, massive at upper contact; trace pyrite.</li> <li>-Trace fine-grained pyrite disseminated throughout.</li> <li>-pyrrhotite bands and blebs to 5X.</li> <li>-5-8X dusty to fine-grained pyrrhotite and pyrite disseminated throughout and in narrow banding-parallel bands.</li> <li>-3-5X pyrrhotite disseminated and in blebs throughout; one semi-massive band.</li> <li>-2-4X medium-grained pyrite in matrix and locally disseminated in chert clasts; 10-15X pyrrhotite in matrix.</li> <li>-Trace pyrite in carbonate-filled fractures.</li> <li>-Trace pyrite.</li> </ul>	<ul style="list-style-type: none"> <li>-Moderately to strongly magnetic.</li> <li>-Moderately to strongly magnetic.</li> </ul>
98.87 TO 125.00	BASALT "21"	<ul style="list-style-type: none"> <li>-dark grey to greenish grey.</li> <li>-moderately well foliated at 35° to core axis.</li> <li>-5-7X fine-grained leucosene (?) disseminated throughout; weakly fractured and carbonate flooded.</li> <li>-101.30-101.85m moderately sheared and carbonate flooded at 20-45° to core axis.</li> <li>-118.50-119.02m amorphous orange-brown mineral as</li> </ul>		<ul style="list-style-type: none"> <li>-Strongly carbonatized; moderately chloritic.</li> <li>-Weakly bleached; chloritic.</li> </ul>	<ul style="list-style-type: none"> <li>-Trace pyrite in carbonate-filled fractures.</li> <li>-Trace pyrite.</li> </ul>	

HOLE NUMBER: CUS1-01

DRILL HOLE RECORD

LOGGED BY: D. TRUSCOTT

PAGE: 4

HOLE NUMBER: CQ31-01

DRILL HOLE RECORD

DATE: 12/11/1991

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
125.00 TO 125.00	E.O.M.	fracture filling and staining.				

HOLE NUMBER: CQ31-01

DRILL HOLE RECORD

LOGGED BY: D. THUSCOTT

PAGE: 5

Sample	From (M)	To (M)	Length (M)	Cu ppm	Zn ppm	Au ppb	Ag ppm	Pb ppm	As ppm	Ni ppm
AM04.359	0.00	0.00	0.00	25	30					<10
AM04.360	0.00	0.00	0.00	25	25					<10
AM04.361	0.00	0.00	0.00	20	50					50
AM04.362	0.00	0.00	0.00	70	1615					50
AM04.363	0.00	0.00	0.00	100	725					90
AM04.364	0.00	0.00	0.00	70	870					<10
AM04.365	0.00	0.00	0.00	140	310					140
AM04.366	0.00	0.00	0.00	90	170					50
AM04.367	0.00	0.00	0.00	115	415					100
AM04.368	0.00	0.00	0.00	285	2965					100
AM04.369	0.00	0.00	0.00	45	1045					30
AM04.370	0.00	0.00	0.00	145	415					80
AM04.371	0.00	0.00	0.00	95	120					100
AM04.372	0.00	0.00	0.00	20	110					<10
AM04.373	0.00	0.00	0.00	75	80					100
AM04.374	0.00	0.00	0.00	110	105					180
AM04.375	0.00	0.00	0.00	60	110					<10
AM04.376	0.00	0.00	0.00	105	215					80
AM04.377	0.00	0.00	0.00	90	575					140
AM04.378	0.00	0.00	0.00	120	245					120
AM04.379	0.00	0.00	0.00	85	140					100
AM04.380	0.00	0.00	0.00	115	1355					60
AM04.381	0.00	0.00	0.00	75	9365					<10
AM04.382	0.00	0.00	0.00	35	305					10
AM04.383	0.00	0.00	0.00	95	160					140
AM04.384	0.00	0.00	0.00	130	110					180
AM04.385	0.00	0.00	0.00	110	95					130
AM04.386	0.00	0.00	0.00	250	65					120
AM04.387	0.00	0.00	0.00	20	115					<10
AM04.388	0.00	0.00	0.00	50	80					60
AM04.389	0.00	0.00	0.00	40	75					<10
AM04.390	0.00	0.00	0.00	30	45					<10
AM04.391	0.00	0.00	0.00	45	20					40
AM04.392	0.00	0.00	0.00	20	20					20
AM04.393	0.00	0.00	0.00	75	70					40
AM04.394	0.00	0.00	0.00	35	275					<10
AM04.395	0.00	0.00	0.00	85	605					<10
AM04.396	0.00	0.00	0.00	375	3745					30
AM04.397	0.00	0.00	0.00	35	150					30
AM04.398	0.00	0.00	0.00	25	60					<10
AM04.399	0.00	0.00	0.00	95	115					60
AM04.400	0.00	0.00	0.00	35	55					<10
AM04.951	0.00	0.00	0.00	20	110					<10
AM04.952	0.00	0.00	0.00	85	1160					130
AM04.953	0.00	0.00	0.00	40	210					<10
AM04.954	0.00	0.00	0.00	15	40					<10
AM04.955	0.00	0.00	0.00	60	675					<10

HOLE NUMBER: CU31-01

ASSAYS SHEET



Sample	From (M)	To (M)	Length (M)	Cu ppm	Zn ppm	Au ppb	Ag ppm	Pb ppm	As ppm	Ni ppm
AM04956	0.00	0.00	0.00	45	40	<5	0.1	28	14	50
AM04957	0.00	0.00	0.00	25	20	<10	0.1	7	14	<10
AM04958	0.00	0.00	0.00	25	1135	<10	0.1	16	10	<10
AM04959	0.00	0.00	0.00	115	1100	<10	0.1	3	10	120
AM04960	0.00	0.00	0.00	110	110	<10	0.1	1	10	130
AM04961	0.00	0.00	0.00	120	90	<10	0.1	4	10	100
AM04962	0.00	0.00	0.00	105	140	<10	0.1	1	10	90
AM04963	0.00	0.00	0.00	135	80	<10	0.1	1	10	120
AM04964	0.00	0.00	0.00	130	1195	<10	0.1	1	10	70
AM04965	0.00	0.00	0.00	10	115	<10	0.1	1	10	<10
AM04966	0.00	0.00	0.00	485	19580	<10	0.1	1	10	110
AM04967	0.00	0.00	0.00	255	405	<10	0.1	1	10	90
AM04968	0.00	0.00	0.00	130	215	<10	0.1	1	10	150
AM04969	0.00	0.00	0.00	40	190	<10	0.1	1	10	<10
AM04970	0.00	0.00	0.00	10	60	<10	0.1	1	10	<10
AM04971	0.00	0.00	0.00	10	20	<10	0.1	1	10	<10
AM04972	0.00	0.00	0.00	10	45	<10	0.1	1	10	<10
AM04973	0.00	0.00	0.00	5	70	<10	0.1	1	10	<10
AM04974	0.00	0.00	0.00	110	140	<10	0.1	1	10	120
AM04975	0.00	0.00	0.00	135	445	<10	0.1	1	10	10
AM04976	0.00	0.00	0.00	20	120	<10	0.1	1	10	<10
AM04977	0.00	0.00	0.00	55	80	<10	0.1	1	10	160
AM04978	0.00	0.00	0.00	115	1240	<10	0.1	1	10	90
AM04979	0.00	0.00	0.00	85	85	<10	0.1	1	10	90
AM04980	0.00	0.00	0.00	55	85	<10	0.1	1	10	50
AM04981	0.00	0.00	0.00	20	105	<10	0.1	1	10	20
AM04982	0.00	0.00	0.00	95	100	<10	0.1	1	10	10
AM04983	26.00	29.16	3.16	26	36	<5	0.1	28	23	23
AM04984	30.08	30.08	0.00	47	41	<5	0.1	14	31	23
AM04985	31.42	31.42	0.00	40	51	<5	0.1	16	28	28
AM04986	31.42	32.14	0.72	92	29	<10	0.1	1	10	28
AM04987	32.14	33.50	1.36	155	41	<10	0.1	3	10	33
AM04988	33.50	34.25	0.75	56	39	<10	0.1	4	10	47
AM04989	34.25	35.41	1.16	36	91	<10	0.1	1	10	40
AM04990	35.41	36.26	0.85	36	34	<10	0.1	1	10	27
AM04991	36.26	37.59	1.33	66	83	<10	0.1	1	10	24
AM04992	37.59	39.50	1.91	52	13	<5	0.1	1	10	105
AM04993	39.50	40.44	0.94	30	10	<5	0.1	1	10	27
AM04994	40.44	42.50	2.06	151	13	<10	0.1	1	10	9
AM04995	42.50	42.90	0.40	21	19	<10	0.1	15	34	34
AM04996	42.90	44.03	1.13	11	6	<10	0.1	1	10	19
AM04997	44.03	44.88	0.85	271	10	<10	0.1	1	10	19
AM04998	44.88	45.56	0.68	92	14	<10	0.1	4	25	8
AM04999	45.56	45.74	0.18	239	15	<10	0.1	5	25	25
AM05000	45.74	47.00	1.26	87	12	<10	0.1	1	64	46
AM05001	47.00	48.12	1.12	522	23	<10	0.1	1	64	26

HOLE NUMBER: CQ31-01

ASSAYS SHEET

PAGE: 7

Sample	From (M)	To (M)	Length (M)	Cu ppm	Zn ppm	Au ppb	Ag ppm	Pb ppm	As ppm	Ni ppm
AM04898	48.12	48.49	0.37	23	7	10	0.1	1		11
AM04899	48.49	49.42	0.93	141	17	45	0.1	1		30
AM04900	49.42	49.65	0.23	369	22	14	0.1	6		67
AM04901	49.65	51.01	1.36	73	20	10	0.1	2		49
AM04902	51.01	52.43	1.42	18	8	26	0.1	1		13
AM04903	52.43	53.00	0.57	70	34	14	0.1	2		28
AM04904	53.00	55.13	2.13	71	84	17	0.1	2		23
AM04905	55.13	55.59	0.46	121	227	14	0.1	1		42
AM04906	55.59	56.00	0.41	96	209	34	0.1	5		45
AM04907	56.00	57.50	1.50	73	176	17	0.1	6		26
AM04908	57.50	59.00	1.50	77	157	14	0.1	3		30
AM04909	59.00	60.50	1.50	88	218	14	0.1	5		25
AM04910	60.50	61.42	0.92	77	305	72	0.1	6		31
AM04911	61.42	62.50	1.08	199	732	54	0.3	14		33
AM04912	62.50	63.50	1.00	305	774	38	0.6	19		49
AM04913	63.50	65.00	1.50	86	170	24	0.1	2		20
AM04914	65.00	66.50	1.50	137	289	21	0.3	12		26
AM04915	66.50	68.00	1.50	269	2600	72	0.8	27		42
AM04916	68.00	69.50	1.50	213	1730	51	0.5	45		30
AM04917	69.50	70.96	1.46	369	2790	24	1.3	142		68
AM04918	70.96	71.62	0.66	1350	9760	130	3.8	170		149
AM04919	71.62	72.49	0.87	322	1450	38	0.5	10		33
AM04920	72.49	73.96	1.47	42	117	14	0.1	10		20
AM04921	73.96	75.50	1.54	82	291	24	0.2	3		21
AM04922	75.50	77.00	1.50	35	18	14	0.2	1		20
AM04923	77.00	78.50	1.50	41	14	10	0.3	1		20
AM04924	78.50	80.00	1.50	22	20	247	0.2	1		14
AM04925	80.00	81.50	1.50	21	56	17	0.1	1		14
AM04926	81.50	83.00	1.50	30	49	14	0.1	1		13
AM04927	83.00	84.50	1.50	24	28	17	0.1	1		13
AM04928	84.50	84.69	0.19	17	32	41	0.1	1		13
AM04930	84.69	86.00	1.31	35	40	10	0.1	1		17
AM04931	86.00	87.22	1.22	85	149	24	0.1	1		20
AM04932	87.22	88.05	0.83	351	2300	62	1.1	68		91
AM04933	88.05	88.37	0.32	74	139	17	0.1	1		26
AM04934	88.37	89.34	0.97	61	60	165	0.2	1		32
AM04935	89.34	91.00	1.66	30	26	14	0.1	1		17
AM04936	91.00	92.00	1.00	32	50	10	0.1	2		17
AM04937	92.00	93.50	1.50	22	26	17	0.1	1		18
AM04938	93.50	95.00	1.50	24	43	27	0.2	1		20
AM04939	95.00	96.50	1.50	31	24	45	0.1	4		19
AM04940	96.50	98.00	1.50	56	19	17	0.2	1		25
AM04941	98.00	98.87	0.87	57	29	24	0.1	1		22
AM04942	98.87	99.50	0.63	86	101	17	0.1	2		69
AM04943	99.50	101.00	1.50	123	88	17	0.1	1		64
AM04944	101.00	102.23	1.23	99	78	14	0.1	1		56
AM05847	102.23	104.00	1.77	116	97	17	0.1	1		68

HOLE NUMBER: C131-01

ASSAYS SHEET

Sample	From (M)	To (M)	Length (M)	Cu ppm	Zn ppm	Au ppb	Ag ppm	Pb ppm	As ppm	Ni ppm
AM05840	104.00	105.50	1.50	121	81	<5	0.1	1		61
AM05841	105.50	107.00	1.50	119	85	10	0.1	1		69
AM05842	107.00	108.50	1.50	107	85	26	0.1	1		70
AM05843	108.50	110.00	1.50	113	76	14	0.1	1		69
AM05844	110.00	111.50	1.50	111	70	21	0.1	1		74
AM05845	111.50	113.00	1.50	111	80	10	0.1	1		71
AM05846	113.00	114.50	1.50	95	86	14	0.1	1		66
AM05847	114.50	116.00	1.50	123	75	21	0.1	1		61
AM05848	116.00	117.50	1.50	115	72	14	0.1	1		62
AM05849	117.50	119.00	1.50	99	65	14	0.1	1		80
AM05850	119.00	120.50	1.50	120	86	<5	0.1	1		59
AM05851	120.50	122.00	1.50	99	90	10	0.1	1		63
AM05852	122.00	123.50	1.50	108	85	14	0.1	1		62
AM05853	123.50	125.00	1.50	116	85	26	0.1	1		58

Sample	From (M)	To (M)	Length (M)	SiO2 %	AL2O3 %	CaO %	MgO %	Na2O %	K2O %	Fe2O3 %	TiO2 %	P2O5 %	MnO %	CR2O3 %	LOI %	SLM %	Y	Zr	Ba	Rb	Sr	CO2 %	Cu	Zn	Ni	CR	FIELD NAME	CHEM ID	ALUM
AM04389	34.00	35.00	1.00	63.32	13.80	4.21	1.39	3.22	3.88	4.49	0.35	0.12	0.06	0.00	2.95	97.77	<2	140	BA	RB	SR	CO2	CU	ZN	NI	CR	FIELD NAME	CHEM ID	ALUM
AM04390	35.61	36.26	0.65	63.23	11.76	6.11	1.61	1.31	4.20	5.22	0.28	0.08	0.10	<0.00	4.61	98.37	8	156	BA	RB	SR	CO2	CU	ZN	NI	CR	FIELD NAME	CHEM ID	ALUM
AM04391	37.59	38.59	1.00	69.37	11.89	3.92	1.26	0.36	5.30	3.66	0.30	0.08	0.07	0.01	0.96	100.37	8	178	BA	RB	SR	CO2	CU	ZN	NI	CR	FIELD NAME	CHEM ID	ALUM
AM04392	51.07	52.01	0.94	66.49	16.48	4.28	0.69	0.32	6.40	2.44	0.30	0.10	0.06	<0.00	3.57	99.13	<2	102	BA	RB	SR	CO2	CU	ZN	NI	CR	FIELD NAME	CHEM ID	ALUM
AM04393	54.13	55.13	1.00	63.04	15.53	4.98	1.34	1.57	4.46	3.70	0.36	0.12	0.09	<0.00	4.71	99.89	6	164	BA	RB	SR	CO2	CU	ZN	NI	CR	FIELD NAME	CHEM ID	ALUM
AM04394	59.00	60.00	1.00	58.86	7.27	2.82	2.44	0.07	1.10	21.63	0.21	0.04	0.44	<0.00	3.05	97.94	8	218	BA	RB	SR	CO2	CU	ZN	NI	CR	FIELD NAME	CHEM ID	ALUM
AM04395	63.30	64.30	1.00	63.41	4.79	2.41	2.33	0.08	0.60	17.03	0.20	<0.02	0.66	0.01	3.68	95.22	10	170	BA	RB	SR	CO2	CU	ZN	NI	CR	FIELD NAME	CHEM ID	ALUM
AM04396	70.96	71.62	0.66	72.36	5.19	1.13	1.18	0.89	0.88	11.98	0.18	0.06	0.20	<0.00	4.80	98.47	8	144	BA	RB	SR	CO2	CU	ZN	NI	CR	FIELD NAME	CHEM ID	ALUM
AM04397	72.49	73.49	1.00	67.46	16.20	3.35	1.37	4.86	1.74	3.34	0.36	0.16	0.07	0.00	2.92	100.04	8	146	BA	RB	SR	CO2	CU	ZN	NI	CR	FIELD NAME	CHEM ID	ALUM
AM04398	75.50	76.50	1.00	68.51	0.70	1.59	2.00	0.06	0.06	19.45	0.02	<0.02	1.01	<0.00	2.26	95.66	8	154	BA	RB	SR	CO2	CU	ZN	NI	CR	FIELD NAME	CHEM ID	ALUM
AM04399	91.00	92.00	1.00	67.34	3.55	2.63	2.74	0.16	0.16	18.76	0.12	<0.02	0.88	<0.00	1.71	98.03	8	160	BA	RB	SR	CO2	CU	ZN	NI	CR	FIELD NAME	CHEM ID	ALUM
AM04399	98.87	99.87	1.00	43.67	13.76	9.08	5.21	0.79	1.24	13.61	1.00	0.06	0.24	0.03	10.48	99.16	24	174	BA	RB	SR	CO2	CU	ZN	NI	CR	FIELD NAME	CHEM ID	ALUM
AM04962	118.50	119.02	0.52	46.01	12.64	8.95	7.49	1.86	0.78	12.01	0.83	0.10	0.23	0.04	7.38	98.31	14	180	BA	RB	SR	CO2	CU	ZN	NI	CR	FIELD NAME	CHEM ID	ALUM

HOLE NUMBER : C031-01

GEOCHEMICAL ASSAYS

DATE: 11/12/1991

Sample	From (M)	To (M)	Length (M)	AG	AU	CO	PH	S	V	AS	SM	CD	SB	B1	SE	HF	TA	U	MO	TM	U	B	CS	LA	CE	NO	SM	EU	GD	
				PPM	PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	
AM04389	34.00	35.00	1.00			10		4400																						
AM04390	35.41	36.26	0.85			5		3000																						
AM04391	37.59	38.59	1.00			5		2500																						
AM04392	51.07	52.01	0.94			<5		900																						
AM04393	54.13	55.13	1.00			10		2700																						
AM04394	59.00	60.00	1.00			<5		17800																						
AM04395	63.50	64.50	1.00			10		55000																						
AM04396	70.96	71.62	0.66			45		48100																						
AM04397	72.49	73.49	1.00			10		4300																						
AM04398	75.50	76.50	1.00			<5		52500																						
AM04400	91.00	92.00	1.00			<5		17200																						
AM04399	98.87	99.87	1.00			45		1600																						
AM04962	118.50	119.02	0.52			35		1900																						

HOLE NUMBER : C031-01

GEOCHEMICAL ASSAYS

PAGE: 11

HOLE NUMBER: QJ31-02

FALCONRIDGE LIMITED  
DRILL HOLE RECORD

DATE: 12/11/1991  
METRIC UNITS: X

PROJECT NAME: 8203  
PROJECT NUMBER: 002203  
CLAIM NUMBER:  
LOCATION: CUNNINGHAM TWP

PLOTTING COORDS  
GRID: UTM  
NORTH: N  
EAST: E  
ELEV: 450.00

ALTERNATE COORDS  
GRID: LINE  
NORTH: 140-98M  
EAST: 100- E  
ELEV: 450.00

COLLAR DIP: -50° ' ''  
LENGTH OF THE HOLE: 141.50M  
START DEPTH: M  
FINAL DEPTH: 141.50M

DATE STARTED: 06/11/1991  
DATE COMPLETED: 06/14/1991  
DATE LOGGED: 06/22/1991

COLLAR SURVEY: NO  
MULTISHOT SURVEY: NO  
ROD LOG: NO

PULSE EM SURVEY: NO  
PLUGGED: NO  
HOLE SIZE: 80

CONTRACTOR: MUREX  
CASING: NONE  
CORE STORAGE: MINESITE  
UTM COORD.:

COMMENTS:

DIRECTIONAL DATA:

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
62.00	356° ' ''	-48° ' ''	S	OK	moderately magnetic	.	.	.	.	.	.
110.00	4° ' ''	-47°-30' ' ''	S	OK	.	.	.	.	.	.	.
143.00	4° ' ''	-47° ' ''	S	OK	.	.	.	.	.	.	.
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HOLE NUMBER: QJ31-02

DRILL HOLE RECORD

LOGGED BY: D. THUSCOTT

PAGE: 1

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 40.74	CHERT PEBBLE CONGLO- MERATE? CHERT BRECCIO- CONGLO- MERATE *5Ch,ba*	-light grey to dark grey to yellowish green. -oligoclitic pebble orthoconglomerate, locally breccio-conglomerate to chert breccia; rare cobble-sized clasts. -clasts locally feature ragged sutured boundaries. -siltstone and magnetite and sulphide iron formation clasts rare. -matrix comprised of yellowish brown carbonate (?) and silica (?) cement, silt and variable amounts of pyrrhotite. -30.9k-31.50m coarse-grained lithic wacke with composition approximating 0.00-40.74m (finer-grained analogue). -38.45-40.74m silica-healed chert breccia; angular to subrounded fragments.		-Moderately to strongly silicified; clasts locally feature yellow-brown alteration as in matrix (AM04971). -Matrix moderately chloritic, strongly silicified. -Supergene alteration over upper several metres, decreasing gradually downward.	-pyrrhotite in matrix with rare (trace to 1%) daisy to medium-grained euhedral pyrite and trace chalcopyrite (?). -rare pyrrhotite and pyrite sulphide iron formation pebbles. -sphalerite possibly mixed with pyrrhotite in matrix.	-Moderately to strongly magnetic.
40.74 TO 51.50	FELSIC- INTER- MEDIATE LAPILLI TUFF AND ASH TUFF *3ts*	-greenish grey to tan coloured. -well foliated at 30° to core axis. -locally moderately sheared. -48.37-49.45m sheared at 35° to core axis with rare angular chert fragments to 4mm.		-Argillic chlorite and clay; moderate to strong pervasive carbonatization. -Argillic alteration decreasing downward from 49.57m. -Moderately chloritic.	-Trace to 1% dusty to fine-grained pyrite disseminated throughout. -Slightly elevated pyrite content, fine- to medium-grained euhedra.	-Locally weakly magnetic.
51.50 TO 53.07	GRAPHITIC CHERT: BRECCIA *59,ba,cht*	-dark grey to light grey. -Locally sheared at high angles to core axis with development of graphitic sills; narrow intermediate-mafic lapillitic tuff bands. -51.85-51.99m graphitic shear at 80-90° to core axis with carbonate and chlorite bands shearing parallel. -51.99-52.17m chert breccia with graphitic, chloritic matrix. -52.25-52.86m as above.		-2-3% fine- to medium-grained euhedral pyrite throughout in narrow strata-bound intervals (subtle lighter grey bands). -4-5% pyrite in matrix.		

HOLE NUMBER: CU31-02

DRILL HOLE RECORD

LOGGED BY: O. TRUSCOTT

PAGE: 2

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
53.07 TO 72.32	CHERT "5chta"	-light to dark grey. -locally banded at moderate to high angles to core axis; weakly fractured and carbonate and chlorite filled. -5-10% narrow magnetic and sulphide (pyrrhotite and pyrite) iron formation bands throughout; rare stamping. -pinkish purple hue in chert may reflect sphalerite mineralization. -intercalated lower contact at 85° to core axis. -53.15-53.45m magnetite and sulphide iron formation, banded at 60-70° to core axis. -57.87-58.05m ground core. -at 59.09m: 80cm ground core. -59.59-59.64m fractured at moderate angles to core axis.		-iron formation bands moderately to strongly carbonatized and locally weakly oxidized.	-iron formation bands may contain some sphalerite; pyrite locally fills narrow fractures.	-locally strongly magnetic.
72.32 TO 75.56	BASALT? "27a"	-70.42-70.67m fractured at 55-75° to core axis with argillitic alteration. -70.67-70.81m sheared; chlorite and pyrite flooded. -70.85-70.96m several magnetite and pyrite iron formation bands at 85° to core axis; burdurdy coloured mineral (hematite?) associated with pyrite. -greenish grey to dark grey. -poorly foliated at 40° to core axis; weakly fractured, locally brecciated and carbonate-flooded. -rare irregular-shaped cream coloured plagioclase (?) blebs. -73.76-74.35m brecciated and carbonate-flooded.		-Moderately chloritic.	-Trace to 1% chalcopyrite. -Trace fine-grained pyrite disseminated throughout. -Trace chalcopyrite, trace galena in carbonate.	
75.56 TO 78.68	GRAPHITIC SHEAR "falf.g"	-dark grey to black. -Sheared at 20° to core axis, locally variable; indistinct lower contact. -75.45-78.39m chert breccia in graphitic matrix.			-3-5% pyrite in narrow bands and blebs throughout. -5-8% fine- to medium-grained pyrite in fragments throughout. Massive over 78.05-78.10m.	

HOLE NUMBER: CUS1-02

DRILL HOLE RECORD

LOGGED BY: D. TRUSCOTT

PAGE: 3



FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CH	ALTERATION	MINERALIZATION	REMARKS	
78.68 TO 141.50	BASALT ~2m	<p>-light greenish grey; fine- to medium-grained.</p> <p>-Massive to poorly foliated at 30-35° to core axis; weakly fractured and carbonate (&lt; filled); locally sheared and carbonate-filled.</p> <p>-78.68-79.68m sheared.</p> <p>-83.65-83.85m sheared and quartz-carbonate flooded at 20° to core axis.</p> <p>-92.47-93.24m sheared and quartz flooded at 45° to core axis.</p> <p>-98.09-98.94m sheared and carbonate-quartz and pyrite flooded.</p> <p>-104.82-105.70m sheared at 30° to core axis; quartz and carbonate flooded.</p> <p>-106.78-108.92m as above, partially to wholly dissected basalt rafts.</p> <p>-109.60-110.50m as 104.82-105.70m; numerous euhedral quartz crystals to 1.2cm, concentrically zoned.</p> <p>-116.08-116.22m weakly sheared and quartz-carbonate flooded.</p> <p>-116.77-116.95m graphitic shear with fine-grained basalt (?) rafts.</p> <p>-116.95-118.16m moderately fractured and carbonate-filled.</p> <p>-118.18-118.50m as 116.77-116.95m; sheared at 50° to core axis.</p> <p>-118.50-118.56m as 116.95-118.16m.</p> <p>-118.56-119.26m moderately well foliated at 55-60° to core axis; 1-2mm biotite (?) (chlorite ?) specks throughout.</p> <p>-119.26-119.90m siliceous interval; resembles 119.90-121.20m interval, though sheared and quartz flooded; banded at 60° to core axis; weakly fractured and carbonate-filled.</p> <p>-119.90-121.20m graphitic mudstone; rare pyrite nodules to 2cm.</p> <p>-121.26-122.65m as 118.56-119.26m; weakly sheared</p>		<p>-Generally intensely carbonatized, variably silicified (weakly to moderately); variably chloritic (weakly to strongly).</p> <p>-Intensely carbonatized, locally weakly graphitic; moderately to strongly chloritic.</p> <p>-Weakly silicified, strongly chloritic.</p> <p>-Strongly chloritic (argillitic ?).</p>	<p>-Trace fine-grained pyrite.</p> <p>-Coarse-grained euhedral pyrite at upper contact. Alteration halos (92.31-92.47m and 93.24-93.47m, respectively).</p> <p>-Possible trace sphalerite; 2-3% chalcopyrite (?) associated with flooding; 5-7% fine- to coarse-grained pyrite in carbonate-chlorite matrix.</p> <p>-Trace fine-grained pyrite in flooded zone.</p> <p>-Massive to semi-massive pyrite in quartz-carbonate matrix 107.39-107.53m.</p> <p>-Locally 2-3% dusty pyrite in basalt rafts.</p> <p>-3-5% blebby pyrite.</p> <p>-1-2% pyrite in carbonate veins.</p> <p>-Trace to 1% fine-grained pyrite disseminated throughout.</p> <p>-7-9% fine-grained pyrite in narrow, discontinuous bands throughout; rare pyrite nodules to 1.5cm.</p> <p>-3-5% pyrite in rare nodules and as fracture filling.</p> <p>-5-7% blebby pyrite to 3mm</p>		

HOLE NUMBER: CUS1-02

DRILL HOLE RECORD

LOGGED BY: D. TRUSCOTT

PAGE: 4

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
141.30 TO 141.50	E.O.M.	at 40-50° to core axis; carbonate flooded. -122.89-123.85m as 119.90-121.25m; pyrite nodules, locally weakly boudinaged, to 2cm. -At 131.35m amorphous orange-brown mineral filling narrow fracture. -150.77-161.25m bleached and pervasively carbonatized. -161.25-161.64m sheared and quartz flooded at 40° to core axis; weakly silicified downhole.		weakly graphitic.	disseminated throughout, locally as fracture filling. -3-5% pyrite in nodules, fractures and rare, semi-massive bands. -2-3% dusty to fine-grained pyrite.	

HOLE NUMBER: CU31-02

DRILL HOLE RECORD

LOGGED BY: D. TRUSCOTT

PAGE: 5

Sample	From (M)	To (M)	Length (M)	Cu ppm	Zn ppm	Au ppb	Ag ppm	Pb ppm	Al ppm	Ni ppm
AM0597	0.00	1.00	1.00	35	54	10	0.1	12	20	20
AM0598	1.00	2.00	1.00	20	36	<5	0.1	1	21	21
AM0599	2.00	3.00	1.00	23	31	70	0.1	1	17	17
AM05960	3.50	5.00	1.50	33	45	<5	0.1	1	24	24
AM05961	5.00	6.50	1.50	16	42	<5	0.1	1	19	19
AM05962	6.50	8.00	1.50	22	27	<5	0.1	1	18	18
AM05963	8.00	9.50	1.50	30	33	<5	0.1	1	20	20
AM05964	9.50	11.00	1.50	18	35	<5	0.1	1	19	19
AM05965	11.00	12.50	1.50	23	32	<5	0.1	1	25	25
AM05966	12.50	14.00	1.50	24	57	<5	0.1	1	17	17
AM05967	14.00	15.50	1.50	20	24	<5	0.1	1	19	19
AM05968	15.50	17.00	1.50	24	39	<5	0.1	1	19	19
AM05969	17.00	18.50	1.50	27	33	<5	0.1	1	15	15
AM05970	18.50	20.00	1.50	21	35	14	0.1	2	17	17
AM05971	20.00	21.50	1.50	25	28	<5	0.1	1	22	22
AM05972	21.50	23.00	1.50	29	39	<5	0.2	4	18	18
AM05973	23.00	24.50	1.50	23	34	17	0.3	2	15	15
AM05974	24.50	26.00	1.50	25	23	7	0.1	1	30	30
AM05975	26.00	27.50	1.50	25	22	<5	0.1	3	25	25
AM05976	27.50	29.00	1.50	17	14	21	0.1	1	17	17
AM05977	29.00	30.50	1.50	20	30	<5	0.1	1	17	17
AM05978	30.50	30.94	0.44	23	39	<5	0.1	1	18	18
AM05979	30.94	31.50	0.56	22	54	<5	0.1	1	20	20
AM05980	31.50	32.00	0.50	24	21	<5	0.1	4	23	23
AM05981	32.00	33.50	1.50	29	17	45	0.1	1	25	25
AM05982	33.50	35.00	1.50	19	12	38	0.4	9	23	23
AM05983	35.00	36.50	1.50	23	15	10	0.1	1	19	19
AM05984	36.50	38.00	1.50	28	14	<5	0.1	1	21	21
AM05985	38.00	39.50	1.50	19	14	34	0.2	1	19	19
AM05986	39.50	40.74	1.24	30	88	14	0.1	6	24	24
AM05987	40.74	42.00	1.26	91	93	<5	0.1	3	80	80
AM05988	42.00	42.50	0.50	114	177	<5	0.1	13	106	106
AM05989	42.50	44.00	1.50	102	107	<5	0.1	6	125	125
AM05990	44.00	45.50	1.50	93	464	<5	0.2	121	126	126
AM05991	45.50	47.00	1.50	104	200	<5	0.2	19	153	153
AM05992	47.00	48.50	1.50	97	94	<5	0.3	7	135	135
AM05993	48.50	50.00	1.50	107	140	<5	0.5	24	166	166
AM05994	50.00	51.50	1.50	82	252	<5	0.3	8	116	116
AM05995	51.50	52.30	0.80	410	1350	24	1.3	214	66	66
AM05996	52.30	53.07	0.77	111	844	<5	0.7	145	38	38
AM05997	53.07	54.50	1.43	55	212	45	1.0	35	21	21
AM05998	54.50	56.00	1.50	31	16	21	0.5	2	16	16
AM05999	56.00	57.50	1.50	47	10	7	0.5	2	16	16
AM06000	57.50	59.59	2.09	66	303	<5	0.5	5	24	24
AM06001	59.59	60.50	0.91	41	43	<5	0.7	4	16	16
AM06002	60.50	62.00	1.50	55	358	<5	0.6	22	14	14
AM06003	62.00	63.50	1.50	47	143	<5	1.3	1	12	12

HOLE NUMBER: CQ31-02

ASSAYS SHEET

Sample	From (M)	To (M)	Length (M)	Cu ppm	Zn ppm	Au gpb	Ag ppm	Pb ppm	As ppm	Ni ppm
AM06005	63.50	64.33	0.83	57	13	38	1.8	3		15
AM06006	64.33	65.00	0.67	63	11	<5	1.4	1		12
AM06007	65.00	66.50	1.50	31	24	<5	1.0	1		16
AM06008	66.50	68.00	1.50	30	9	<5	0.4	1		13
AM06009	68.00	70.00	2.00	44	12	<5	0.5	6		14
AM06010	70.00	71.00	1.00	59	208	34	1.5	18		24
AM06011	71.00	72.32	1.32	58	13	38	1.0	4		11
AM06012	72.32	74.00	1.68	34	109	<5	0.1	10		108
AM06013	74.00	75.56	1.56	185	217	<5	0.5	626		133
AM06014	75.56	77.00	1.44	576	1995	24	2.0	84		131
AM06015	77.00	78.68	1.68	322	2790	38	2.5	95		84
AM06016	78.68	80.00	1.32	85	98	<5	0.1	4		149
AM06017	80.00	81.50	1.50	111	79	<5	0.1	1		82
AM06018	81.50	83.00	1.50	119	81	<5	0.1	4		81
AM06019	83.00	84.50	1.50	137	60	<5	0.1	1		63
AM06022	84.50	86.00	1.50	99	57	<5	0.1	1		89
AM06020	86.00	87.50	1.50	104	67	<5	0.1	1		84
AM06023	87.50	89.00	1.50	104	58	<5	0.1	1		78
AM06024	89.00	90.50	1.50	87	72	<5	0.1	1		80
AM06025	90.50	92.00	1.50	80	204	<5	0.2	1		93
AM06026	92.00	93.50	1.50	92	375	10	0.2	1		100
AM06027	93.50	95.00	1.50	100	177	<5	0.1	1		90
AM06028	95.00	96.50	1.50	125	62	<5	0.1	1		73
AM06029	96.50	98.09	1.59	111	75	<5	0.1	1		73
AM06030	98.09	98.94	0.85	423	229	<5	0.3	5		88
AM06031	98.94	99.50	0.56	137	109	<5	0.1	1		124
AM06032	99.50	101.00	1.50	134	71	<5	0.1	1		109
AM06033	101.00	102.50	1.50	124	86	<5	0.1	1		90
AM06034	102.50	104.00	1.50	101	76	<5	0.1	1		91
AM06035	104.00	104.82	0.82	146	71	<5	0.2	1		84
AM06036	104.82	105.70	0.88	140	43	<5	0.1	1		84
AM06037	105.70	106.78	1.08	128	101	<5	0.1	1		84
AM06038	106.78	108.50	1.72	83	44	<5	0.2	2		36
AM06039	108.50	108.92	0.42	141	52	<5	0.2	1		52
AM06040	108.92	109.60	0.68	141	78	<5	0.2	1		52
AM06041	109.60	110.50	0.90	39	33	<5	0.1	1		70
AM06042	110.50	111.50	1.00	121	72	<5	0.1	1		23
AM06043	111.50	113.00	1.50	130	65	<5	0.1	1		60
AM06044	113.00	114.50	1.50	139	51	<5	0.1	1		67
AM06045	114.50	116.00	1.50	121	64	<5	0.1	1		73
AM06046	116.00	116.77	0.77	104	117	<5	0.1	3		93
AM06047	116.77	116.95	0.18	180	308	<5	0.4	18		98
AM06048	116.95	118.18	1.23	162	222	7	0.4	8		125
AM06049	118.18	118.50	0.32	149	507	<5	0.1	27		124
AM06050	118.50	119.28	0.78	133	266	<5	0.1	31		100
AM06051	119.28	119.90	0.62	70	631	<5	0.8	27		49
AM06052	119.90	121.26	1.36	244	1360	<5	1.3	63		35

Sample	From (M)	To (M)	Length (M)	Cu ppm	Zn ppm	Au ppb	Ag ppm	Pb ppm	As ppm	Ni ppm
AM06053	121.26	122.85	1.59	227	261	<5	0.3	8		95
AM06054	122.85	123.83	0.98	559	2910	14	1.5	111		185
AM06055	123.83	125.00	1.17	132	164	<5	0.1	8		103
AM06056	125.00	126.50	1.50	128	78	<5	0.1	1		89
AM06057	126.50	128.00	1.50	140	59	<5	0.1	1		85
AM06058	128.00	129.50	1.50	127	49	<5	0.1	1		76
AM06059	129.50	131.00	1.50	129	349	<5	0.1	1		74
AM06060	131.00	132.30	1.50	133	52	<5	0.1	1		76
AM06061	132.30	134.00	1.50	142	41	7	0.1	1		71
AM06062	134.00	135.50	1.50	135	55	<5	0.1	10		71
AM06063	135.50	137.00	1.50	164	83	<5	0.1	19		81
AM06064	137.00	138.50	1.50	129	44	<5	0.1	2		70
AM06065	138.50	140.00	1.50	130	102	<5	0.1	1		91
AM06066	140.00	141.50	1.50	89	71	<5	0.9	201		73

HOLE NUMBER : CU31-02

GEOCHEMICAL ASSAY

DATE: 11/12/1991

Sample	From (M)	To (M)	Len <sup>g</sup> . (M)	SiO2 %	Al2O3 %	CaO %	MgO %	MnO %	K2O %	Fe2O3 %	TiO2 %	P2O5 %	NiO %	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	ALUM
AM04971	3.74	4.89	1.15	53.08	0.79	0.71	2.16	0.14	0.04	27.42	0.02	<0.02	1.29	<0.00	12.74	98.30	12	182					10	60	<10			11	89
AM04972	16.85	17.35	0.70	53.78	1.03	0.70	2.05	<0.01	0.06	28.13	0.04	<0.02	1.31	<0.00	12.87	97.89	8	210					10	20	<10			11	134
AM04973	29.58	30.41	0.83	46.00	0.81	1.12	2.79	0.02	0.06	32.88	0.05	<0.02	1.48	<0.00	13.46	98.58	8	208					10	45	<10			11	68
AM04974	30.94	31.50	0.56	31.75	6.41	0.88	4.03	<0.01	<0.02	40.93	0.09	<0.02	1.88	<0.00	13.68	99.53	12	270					5	70	<10			2u	704
AM04975	45.50	46.30	0.80	47.67	14.09	8.51	4.47	1.00	1.40	9.97	0.76	0.10	0.32	0.06	9.24	97.59	20	148					110	140	120			4PR*	361
AM04976	53.39	53.07	0.69	82.82	3.90	0.31	0.53	0.13	0.64	5.67	0.13	<0.02	0.06	0.01	3.80	98.00	<2	80					55	80	160			2y	82
AM04978	74.33	75.18	0.85	50.10	11.52	10.04	6.28	3.29	0.68	6.78	0.66	0.52	0.16	0.08	9.36	99.46	16	218					55	80	160			2y	82
AM04979	77.45	78.39	0.94	46.36	3.23	1.02	0.97	0.05	1.02	13.55	0.14	<0.02	0.05	<0.00	14.99	92.59	6	150					115	1240	10			2vi	155
AM04980	78.68	79.68	1.00	46.56	12.67	10.96	6.24	0.08	1.66	9.13	0.57	0.04	0.18	0.05	12.32	99.25	14	116					85	85	90			2vi	100
AM06078	102.00	104.00	2.00	44.65	12.72	12.22	6.20	3.18	0.18	9.71	0.62	0.04	0.29	0.04	7.95	97.77	12	118					55	85	50			2u	82

HOLE NUMBER : CU31-02

GEOCHEMICAL ASSAY

PAGE: 9

GEOCHEMICAL ASSAYS

DATE: 11/12/1995

Sample	From (M)	To (M)	Length (M)	AG ppm	AU ppb	CO ppm	PH ppm	S ppm	V ppm	AS ppm	SI ppm	CO ppm	SB ppm	BI ppm	SE ppm	NF ppm	TA ppm	V ppm	MO ppm	TN ppm	U ppm	B ppm	CS ppm	LA ppm	CE ppm	NO ppm	SM ppm	EU ppm	GD ppm
AM06971	3.76	4.89	1.15	<5			17700																						
AM06972	16.65	17.35	0.70	<5			7800																						
AM06973	29.58	30.41	0.83	<5			29500																						
AM06974	30.96	31.50	0.56	<5			20000																						
AM06975	45.50	46.30	0.80	50			900																						
AM06976	52.38	53.07	0.69	15			15900																						
AM06978	72.33	73.18	0.85	15			1700																						
AM06979	77.45	78.39	0.94	15			113000																						
AM06980	78.68	79.68	1.00	35			2500																						
AM06978	102.00	104.00	2.00	25			17000																						

HOLE NUMBER: CU31-02

GEOCHEMICAL ASSAYS

HOLE NUMBER: CUS2-01

FALCONBRIDGE LIMITED  
DRILL HOLE RECORD

DATE: 12/11/1991  
METRIC UNITS: X

PROJECT NAME: 8203  
PROJECT NUMBER: 008203  
CLAIM NUMBER: P116469  
LOCATION: CUMBERLAND TWP

PLOTTING COORDS GRID: UTM

NORTH: 0.00M  
EAST: 0.00E  
ELEV: 0.00

ALTERNATE COORDS GRID: LINE

NORTH: 143+75M  
EAST: 116+40E  
ELEV: 410.00

DATE STARTED: 05/28/1991  
DATE COMPLETED: 05/30/1991  
DATE LOGGED: 06/01/1991

COLLAR SURVEY: NO  
MULTISHOT SURVEY: NO  
ROD LOG: NO

COLLAR ASTRONOMIC AZIMUTH: 360° ' "

PULSE EM SURVEY: NO  
PLUGGED: NO  
HOLE SIZE: 80

GRID ASTRONOMIC AZIMUTH: 360° ' 0"

CONTRACTOR: MONEX  
CASTING: BW, 2m,  
CORE STORAGE: MINESITE  
UTM COORD.:

COLLAR DIP: -50° ' "  
LENGTH OF THE HOLE: 125.00M  
START DEPTH: M  
FINAL DEPTH: 125.00M

COMMENTS :

DIRECTIONAL DATA:

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
17.00	347°	' "	' "	S	OK						
74.00	358°	' "	' "	S	OK						
119.00	359°	' "	' "	S	OK						
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HOLE NUMBER: CUS2-01

DRILL HOLE RECORD

LOGGED BY: D. TRUSCOTT

PAGE: 1



FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CH	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 5.2% 5.2%	<p>-medium grey to greenish grey; dark to light grey; block; medium to light grey.</p> <p>-well banded/bedded at 35° to core axis. Contacts approximately conformable to bedding. Units alternate frequently, over narrow intervals.</p> <p>-weak fracturing with calcite-chlorite in-fill. Moderately to well foliated parallel bedding. Moderately to strongly silicified and epidotized chert (?).</p> <p>-12.99-15.89m light grey to greenish grey chert; moderately fractured and chlorite-pyrrhotite-calcite filled. Fractures generally trend at low angles to core axis.</p> <p>-18.76-19.95m intermediate ash tuff/siltstone. Well banded at 30° to core axis with development of slip planes (slickensides).</p> <p>-19.95-21.50m intermediate ash-lapilli tuff. Moderately sheared at 20° to core axis and chlorite-calcite-pyrrhotite-pyrrhotite flooded along anastomosing hairline fractures.</p> <p>-21.50-24.00m much broken core; siltstone and mafic tuff; fractured and calcite flooded with orange-brown amorphous mineral at wallrock contact.</p> <p>-24.21-24.61m 0.5 to 1.0cm wide quartz-chlorite veins with orange-brown mineral (retaining) as above.</p> <p>-26.61-26.58m bleached siltstone/lapilli tuff. Well foliated at 35° to core axis. Generally schistose.</p> <p>-26.58-29.50m false lapilli tuff; locally cherty (silicified?). Chlorite and pyrrhotite &amp; pyrite flooding throughout fractures at 35° to core axis. Appears brecciated/clastic, and silicified 27.00-27.27m.</p> <p>-29.50-30.64m weakly to moderately fractured chert with calcite and chlorite flooding;</p>		<p>-pervasive moderate chloritization with exception of chert intervals. Variably silicified throughout.</p> <p>-siltstone intervals generally moderately to strongly chloritized (epidotized?).</p> <p>-14.60-14.89m and 15.00-15.72m light grey to cream-coloured with "grass" green chlorite (?) spots to 1.5mm throughout.</p> <p>-moderately to strongly chloritic.</p> <p>-weakly bleached, moderately to strongly chloritic. Weakly silicified and epidotized.</p>	<p>-Trace to 1% pyrite throughout. 3-5% pyrrhotite in bedding-parallel bands, generally associated with siltstone; occasionally in fractures.</p> <p>-Trace to 1% pyrite associated with pyrrhotite.</p> <p>-Pyrite smeared along chloritic slip planes. 1-3% fine-grained sphalerite in quartz-chlorite fractures, 118.10-118.17m.</p> <p>-3-5% pyrrhotite, 2-3% pyrite parallel to schistosity.</p> <p>-blebby chalcopyrite to 2% in narrow calcite vein.</p> <p>-fine-grained sphalerite to 8% of vein composition.</p> <p>-Trace pyrite throughout. Pyrrhotite in foliation-parallel lenses throughout; possible sphalerite at 26.26m with 1 speck at 25.16m.</p> <p>-5-10% pyrrhotite in chlorite fractures with trace chalcopyrite, trace to 1% pyrite; possibly fine-grained sphalerite at 27.16m.</p> <p>-Pyrrhotite and pyrite in veins and chloritic matrix.</p>	<p>-Locally moderately magnetic.</p> <p>-Moderately magnetic.</p> <p>-Moderately magnetic.</p> <p>-Moderately magnetic.</p>

HOLE NUMBER: CJS2-01

DRILL HOLE RECORD

LOGGED BY: D. TRUSCOTT

PAGE: 2

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
30.64 TO 35.28	BRÉCCIA ZONE "Scht "dur	<ul style="list-style-type: none"> <li>locally sheared with cataclastic development and chloritic matrix. Calcite vein 20.56-29.65m at 30° to core axis.</li> <li>Chert, graphitic chert and mafic (epilil) tuff.</li> <li>Weakly to moderately fractured with calcite and chlorite in stockwork.</li> <li>Brecciated matrix = chlorite and pyrite (10-15%) and pyrrhotite (2-3%).</li> <li>Mafic tuff may be cherty cataclaste.</li> <li>breccia fragments generally appear to be in place (hydrothermal).</li> </ul>		<ul style="list-style-type: none"> <li>Moderately to strongly graphitic, chloritic, carbonatized.</li> </ul>	<ul style="list-style-type: none"> <li>2-3% pyrite, 1% pyrrhotite, trace sphalerite. Sphalerite generally dusty to fine-grained in breccia matrix with calcite and "barite" green chlorite (?) and in narrow calcite stringers.</li> </ul>	<ul style="list-style-type: none"> <li>Moderately magnetic.</li> </ul>
35.28 TO 47.95	CHERT AND SILTSTONE "Scht/siltst"	<ul style="list-style-type: none"> <li>light to medium grey and yellowish green.</li> <li>Chert 70%, siltstone 30%. Siltstone in bands throughout and gradually increasing in unit composition downhole.</li> <li>local offsets to 4cm.</li> <li>Weakly fractured and calcite and chlorite and pyrrhotite filled.</li> <li>36.34-36.39m calcite fragments to 1.2cm in chlorite matrix at 40° to core axis.</li> <li>36.41-36.43m quartz-calcite vein with angular chert fragments; at 60° to core axis.</li> <li>36.48-37.16m chert breccia with chlorite-calcite matrix.</li> <li>37.56-37.64m as 36.48-37.16m.</li> <li>37.84-37.90m as above.</li> <li>40.20-40.38m chert with 1-2mm wide chlorite-filled tension fractures (?) at 50° to core axis and crosscutting chloritic veins with angular calcite fragments as 36.41-36.43m at 45-50° to core axis.</li> </ul>		<ul style="list-style-type: none"> <li>Chert locally weakly carbonatized; siltstone moderately to strongly carbonatized.</li> </ul>	<ul style="list-style-type: none"> <li>1-2% pyrite, 8-10% pyrrhotite in calcite-chlorite fractures/matrix. Pyrite and pyrrhotite occasionally sheared along slip planes.</li> <li>1% pyrite.</li> <li>Trace to 1% pyrrhotite in matrix.</li> <li>8-12% pyrrhotite in matrix.</li> <li>1-2% pyrrhotite in matrix.</li> </ul>	<ul style="list-style-type: none"> <li>Moderately magnetic.</li> <li>Moderately to strongly magnetic.</li> <li>Weakly magnetic.</li> </ul>
47.95 TO 50.97	CHERT "Scht"	<ul style="list-style-type: none"> <li>Weakly fractured and sheared with intercalated graphitic intervals; numerous 0.5 to 1.5cm offsets in bedding/banding.</li> <li>47.95-48.00m cataclaste (?); rubble core; surrounded to subangular chloritic cherty fragments to 0.5cm with pyrite-chlorite-sericite (?) matrix to 40% at 60° to core axis.</li> <li>48.08-48.17m weakly brecciated and sheared with chlorite-pyrrhotite-pyrite flooding.</li> <li>48.21-48.27m as above.</li> <li>48.52m few specks of chalcopryite in narrow.</li> </ul>		<ul style="list-style-type: none"> <li>Moderately to strongly graphitic.</li> </ul>	<ul style="list-style-type: none"> <li>3-5% pyrrhotite, 1% pyrite, dusty to fine-grained, disseminated throughout.</li> <li>10-15% pyrrhotite, 3-5% pyrite.</li> <li>15-20% dusty to fine-grained</li> </ul>	<ul style="list-style-type: none"> <li>Weakly to locally moderately magnetic.</li> <li>Moderately to strongly magnetic.</li> <li>Strongly magnetic.</li> </ul>

HOLE NUMBER: CJS2-01

DRILL HOLE RECORD

LOGGED BY: D. TRUSCOTT

PAGE: 3

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
50.97 TO 66.97	ANDESITE 7 "2"	<ul style="list-style-type: none"> <li>-48.58-48.86m sulphide (iron formation); contacts at 60° to core axis.</li> <li>-48.86-50.23m numerous narrow chlorite-pyrite-pyrrothite flooded intervals. Sheared at 25-30° to core axis.</li> <li>-50.23-50.52m as 48.58-48.86m.</li> <li>-50.52-50.97m as 48.86-50.23m.</li> <li>-grey to greenish grey.</li> <li>-weakly fractured and calcite &amp; quartz filled; moderately well foliated at 45° to core axis; numerous 1-3mm chlorite spots throughout.</li> <li>-50.97-51.13m sheared contact zone at 55° to core axis; quartz-chlorite flooded.</li> <li>-51.13-51.60m intensely carbonatized.</li> <li>-53.67-54.13m fractured and calcite-quartz flooded with orange-brown amorphous mineral as vein lining at wallrock contact.</li> <li>-64.54-65.08m moderately fractured with calcite fill and amorphous orange-brown mineral to 55% of vein matter.</li> <li>-65.55-66.45m as above.</li> <li>-67.05-68.79m bleached and strongly fractured with quartz-calcite flooding.</li> <li>-68.54-68.79 quartz-calcite flooded along shear (?) at 10-20° to core axis.</li> <li>-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.</li> <li>-70.30-70.43m ground and broken core.</li> <li>-72.45-74.60m weakly to moderately brecciated and bleached; numerous hairline calcite fractures throughout.</li> <li>-74.60-85.52m strongly to intensely carbonatized.</li> <li>-83.56-83.76m bull white calcite-quartz vein at 35° to core axis.</li> <li>-83.99-84.33m quartz-calcite flooded shear as</li> </ul>		<ul style="list-style-type: none"> <li>-Moderately to strongly chloritic, variably carbonatized; locally weakly sericitized (?).</li> <li>-Moderately chloritic.</li> <li>-Moderately to strongly chloritic.</li> <li>-67.05-67.17m weak epidotization at vein/wallrock contact.</li> <li>-Weakly silicified, intensely carbonatized.</li> <li>-Moderately to strongly carbonatized and silicified, increasing downhole; strongly graphitic; moderately to strongly chloritic.</li> <li>-Strongly to intensely carbonatized throughout with more strongly carbonatized portions forming breccia matrix (bleached).</li> <li>-As 67.05-67.17m.</li> </ul>	<ul style="list-style-type: none"> <li>-Trace to 1% pyrite and trace pyrrhotite disseminated throughout.</li> <li>-Trace sphalerite and galena in pressure shadow of cherry lensing at 57.03m.</li> <li>-2-3% pyrite disseminated throughout.</li> <li>-Trace medium-grained euhedral pyrite.</li> <li>-67.05-67.17m semi-massive fine-grained pyrite halo at vein/wallrock contact.</li> <li>-3-5% pyrite in and around quartz-calcite flooding.</li> <li>-10-15% ducty to fine-grained pyrite decreasing inversely with intensity of alteration.</li> <li>-5-8% ducty to medium-grained</li> </ul>	<ul style="list-style-type: none"> <li>-Occasional 2-3mm pyrite-calcite veins at moderate to high angles to core axis; 5-10% pyrite, 3-6% pyrrhotite.</li> <li>-Moderately magnetic.</li> </ul>

HOLE NUMBER: QJ32-01

DRILL HOLE RECORD

LOGGED BY: D. TRUSCOTT

PAGE: 4

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS	
86.97 TO 89.63	GRAPHITIC MUDSTONE -5g(27%)	<ul style="list-style-type: none"> <li>-dark grey to black.</li> <li>-Moderately to well bedded at 65-70° to core axis. Fractured and calcite-filled (crosscutting bedding at moderate angles).</li> <li>-local narrow bedding-parallel calcite bands. Bedding wraps around pyrite nodules with calcite in pressure shadows.</li> </ul>		<ul style="list-style-type: none"> <li>-Moderately to strongly graphitic, locally weakly to moderately carbonatized.</li> </ul>	<ul style="list-style-type: none"> <li>-15-18% pyrite, disseminated, in bedding-parallel bands and in calcite-rimmed nodules to 2.0cm.</li> </ul>		
89.63 TO 125.00	ANDESITE(?) -21%	<ul style="list-style-type: none"> <li>-As 50.97-66.97m.</li> <li>-becoming increasingly chlorite-spotted and andesitic in appearance downhole.</li> <li>-89.63-90.93m intermediate feldspar porphyry; moderately porphyritic in sub. to euhedral plagioclase (?) to 4mm. Moderately fractured and quartz-calcite filled.</li> <li>-91.63-91.91m moderately sheared and quartz-calcite flooded at 50-55° to core axis.</li> <li>-95.17-95.86m smoke-grey quartz vein at 25° to core axis.</li> <li>-96.17-97.21m graphitic mudstone (chert ?) as 86.97-89.63m, without nodular pyrite.</li> <li>-100.52-101.12m as 96.17-97.21m; cherty. 6cm calcite-chlorite flooded zone at upper contact at 40° to core axis.</li> <li>-109.10-109.66m strongly fractured and calcite-quartz flooded with amorphous orange-brown mineral lining vein walls subparallel to core axis.</li> <li>-110.92-111.27m calcite-quartz flooded shear at 15° to core axis with amorphous orange-brown mineral in wallrock.</li> </ul>		<ul style="list-style-type: none"> <li>-Moderately chloritic; strongly bleached and silicified 89.63-90.34m; moderately to strongly chloritic; moderately carbonatized 90.34-90.93m.</li> <li>-Moderately chloritic; strongly carbonatized.</li> <li>-Strongly to locally intensely graphitic.</li> </ul>	<ul style="list-style-type: none"> <li>-89.63-90.34m trace to 1% galena, trace to 1% medium-grained sphalerite in quartz veins.</li> <li>-90.34-90.93m trace dusty to fine-grained pyrite disseminated throughout.</li> <li>-3-4% dusty to fine-grained pyrite disseminated throughout.</li> <li>-1% medium-grained pyrite, 1% Fe-carbonate (oxidized sphalerite ?).</li> <li>-5-8% banding-parallel pyrite and dusty disseminations. Trace chalcopyrite (?) at lower contact.</li> </ul>	<ul style="list-style-type: none"> <li>-2-3% fine-grained pyrite, locally along vein contact with wallrock.</li> <li>-Trace to 1% pyrite at wallrock/vein contact.</li> </ul>	

HOLE NUMBER: CUSZ-01

DRILL HOLE RECORD

LOGGED BY: D. TRUSCOTT

PAGE: 5

HOLE NUMBER: CUS2-01

DRILL HOLE RECORD

DATE: 12/11/1991

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
125.00 TO 129.00	E.O.M.	-113.76-114.01m moderately sheared and calcite-quartz flooded at moderate to high angles to core axis.		-Moderately carbonatized and chloritic.	-Trace fine-grained pyrite at wall/rock/vein contact.	

HOLE NUMBER: CUS2-01

DRILL HOLE RECORD

LOGGED BY: D. TRUSCOTT

PAGE: 6

Sample	From (M)	To (M)	Length (M)	Cu ppm	Zn ppm	Au ppb	Ag ppm	Pb ppm	As ppm	Ni ppm
AM04645	2.00	3.50	1.50	32	10	17	0.1	25		24
AM04646	3.50	5.00	1.50	36	10	14	0.1	9		26
AM04647	5.00	6.50	1.50	21	9	<5	0.1	1		22
AM04648	6.50	8.00	1.50	33	10	21	0.2	3		31
AM04649	8.00	8.51	0.51	90	19	110	0.5	5		33
AM04650	8.51	9.61	1.10	61	14	36	0.2	1		18
AM04651	9.61	11.54	1.93	20	9	21	0.1	1		12
AM04652	11.54	12.20	0.66	36	7	14	0.1	1		15
AM04653	12.20	12.98	0.78	21	16	<5	0.2	1		16
AM04654	12.98	14.00	1.02	63	20	<5	1.2	1		21
AM04655	14.00	14.63	0.63	36	9	<5	0.3	1		14
AM04656	14.63	15.89	1.26	43	12	<5	0.7	1		18
AM04657	15.89	17.00	1.11	45	18	10	0.7	2		18
AM04658	17.00	18.43	1.43	48	322	10	1.3	10		18
AM04659	18.43	18.76	0.33	152	547	10	2.3	12		31
AM04660	18.76	19.95	1.19	103	8560	<5	1.9	251		27
AM04661	19.95	21.50	1.55	177	1310	17	2.2	58		62
AM04662	21.50	23.00	1.50	165	68	<5	0.3	7		100
AM04663	23.00	24.00	1.00	266	77	<5	0.4	20		142
AM04664	24.00	24.50	0.50	196	12900	<5	0.7	459		120
AM04665	24.50	26.00	1.50	113	402	10	0.5	13		132
AM04666	26.00	26.58	0.58	134	315	<5	0.9	36		92
AM04667	26.58	27.27	0.69	249	203	14	2.2	21		80
AM04668	27.27	27.87	0.60	107	5320	10	1.6	669		20
AM04669	27.87	29.00	1.13	37	50	14	0.4	11		15
AM04670	29.00	29.53	0.53	33	14	<5	0.1	1		16
AM04671	29.53	30.64	1.11	48	123	<5	0.3	6		21
AM04672	30.64	32.00	1.36	123	4860	17	1.0	141		29
AM04673	32.00	33.50	1.50	127	491	10	1.3	43		34
AM04674	33.50	35.03	1.53	49	361	14	0.6	10		20
AM04675	35.03	35.28	0.25	209	35	24	1.7	4		29
AM04676	35.28	36.50	1.22	36	12	<5	0.2	1		15
AM04677	36.50	37.14	0.64	22	26	10	0.1	3		13
AM04678	37.14	38.00	0.86	43	9	14	0.3	1		20
AM04679	38.00	39.00	1.00	34	10	10	0.2	1		17
AM04680	39.00	41.00	2.00	24	10	<5	0.3	1		13
AM04681	41.00	42.50	1.50	24	6	14	0.2	1		17
AM04682	42.50	44.00	1.50	34	11	<5	0.5	1		17
AM04683	44.00	45.50	1.50	48	48	14	0.2	1		16
AM04684	45.50	47.00	1.50	24	5	10	0.1	1		17
AM04685	47.00	47.95	0.95	28	6	10	0.1	1		13
AM04686	47.95	48.50	0.55	536	817	213	3.2	52		43
AM04687	48.50	48.84	0.34	262	1850	10	1.8	103		50
AM04688	48.84	49.34	0.50	261	247	10	1.6	6		43
AM04689	49.34	49.84	0.50	226	479	<5	1.3	19		37
AM04690	49.84	50.23	0.39	178	611	<5	1.1	15		43
AM04691	50.23	50.52	0.29	216	3000	<5	2.6	104		104

HOLE NUMBER : QJ32-01

ASSAYS SHEET

PAGE : 7

Sample	From (M)	To (M)	Length (M)	Cu ppm	Zn ppm	Au g/t	Ag ppm	Pb ppm	As ppm	Ni ppm
AM04692	50.52	50.97	0.45	252	602	<5	2.1	256		68
AM04693	50.97	51.60	0.63	187	627	10	0.8	349		131
AM04694	51.60	53.00	1.40	129	53	<5	0.2	11		105
AM04695	53.00	54.50	1.50	158	324	<5	0.2	32		91
AM04696	54.50	56.00	1.50	139	378	<5	0.1	59		105
AM04697	56.00	57.50	1.50	101	119	<5	0.1	34		121
AM04698	57.50	58.54	1.04	136	492	<5	0.1	2		86
AM04699	58.54	59.00	0.46	142	70	<5	0.1	1		76
AM04700	59.00	60.50	1.50	127	105	<5	0.1	12		53
AM04701	60.50	62.00	1.50	141	537	10	0.3	328		34
AM04702	62.00	63.50	1.50	118	107	<5	0.2	17		35
AM04703	63.50	64.54	1.04	106	131	<5	0.1	10		52
AM04704	64.54	65.08	0.54	109	170	<5	0.3	139		71
AM04705	65.08	66.45	1.37	94	58	<5	0.1	8		81
AM04706	66.45	67.05	0.60	122	68	7	0.1	6		79
AM04707	67.05	68.00	0.95	167	712	<5	0.2	120		99
AM04708	68.00	68.79	0.79	177	372	<5	0.7	172		100
AM04709	68.79	69.50	0.71	237	276	17	1.2	101		145
AM04710	69.50	70.29	0.79	35	268	14	0.9	87		56
AM04711	70.29	72.41	2.12	146	697	<5	0.6	262		83
AM04712	72.41	74.00	1.59	135	358	<5	0.2	48		84
AM04713	74.00	74.40	0.40	101	93	10	0.2	48		85
AM04714	74.40	75.50	1.10	85	627	<5	0.3	259		100
AM04715	75.50	77.00	1.50	99	3000	<5	0.4	354		113
AM04716	77.00	78.50	1.50	89	363	<5	0.4	59		125
AM04717	78.50	80.00	1.50	112	2010	<5	0.3	402		117
AM04718	80.00	81.50	1.50	100	156	<5	0.2	43		116
AM04719	81.50	83.00	1.50	114	142	<5	0.3	38		99
AM04720	83.00	83.56	0.56	127	148	<5	0.6	23		105
AM04721	83.56	83.78	0.22	31	347	<5	0.1	2		29
AM04722	83.78	83.99	0.21	77	140	<5	0.1	2		106
AM04723	83.99	84.17	0.18	72	62	10	0.6	29		57
AM04724	84.17	85.52	1.35	143	151	10	0.2	38		89
AM04725	85.52	86.16	0.64	102	87	14	0.5	72		83
AM04726	86.16	86.97	0.81	188	10600	21	0.9	2400		102
AM04727	86.97	87.50	0.53	272	306	21	0.7	87		100
AM04728	87.50	89.00	1.50	82	3440	113	5.1	148		183
AM04729	89.00	89.63	0.63	642	4660	110	4.9	143		216
AM04730	89.63	90.34	0.71	116	1900	14	1.2	2860		46
AM04731	90.34	90.70	0.36	78	2620	<5	1.8	478		58
AM04732	90.70	91.63	0.93	89	465	<5	0.6	45		53
AM04733	91.63	91.91	0.28	637	4200	27	4.5	134		265
AM04734	91.91	93.50	1.59	43	35	<5	0.1	8		28
AM04735	93.50	95.00	1.50	43	35	<5	0.1	4		30
AM04736	95.00	96.17	1.17	140	570	10	1.1	201		67
AM04737	96.17	97.21	1.04	187	771	14	1.8	58		91
AM04739	97.21	98.00	0.79	275	381	<5	0.8	27		143

HOLE NUMBER: CQ32-01

ASSAYS SHEET

Sample	From (M)	To (M)	Length (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		92
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		88
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



Sample	From (M)	To (M)	Length (M)	SiO2 %	Al2O3 %	CaO %	MgO %	Na2O %	K2O %	Fe2O3 %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	LOI %	SLM %	Y PPM	Zr PPM	Ba PPM	Rb PPM	Sr PPM	CO2 %	Cu PPM	Zn PPM	Ni PPM	Cr PPM	FIELD NAME	CHEM ID	ALUM
AM04359	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	100.58	6	146					25	30	<10		4PR	32	
AM04360	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		128					25	25	<10		4PR	40	
AM04361	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	
AM04362	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	
AM04363	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		2P*	403	
AM04364	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	154					70	870	<10		4PR	222	
AM04365	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					90	310	140		2U	127	
AM04366	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	
AM04367	73.00	74.00	1.00	47.58	13.65	8.35	7.14	3.56	1.34	17.02	0.84	0.06	0.22	0.03	5.11	99.04	18	172					115	415	100		2U	111	
AM04368	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		2V1	93	
AM04369	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	
AM04370	96.43	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					95	415	80		2V1	134	
AM04371	104.00	105.50	1.50	47.93	14.33	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	
AM04372	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	
AM04374	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	

Sample	From (M)	To (M)	Length (M)	AG ppm	AU ppb	CO ppm	PB ppm	S ppm	V ppm	AS ppm	SI ppm	CD ppm	SB ppm	BI ppm	SE ppm	HF ppm	TA ppm	V ppm	MO ppm	TH ppm	U ppm	B ppm	CS ppm	LA ppm	CE ppm	MO ppm	SM ppm	EU ppm	CO 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	84.20	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																						

COLLAR ASTROMONIC AZIMUTH: 360° ' ° \*  
 GRID: UTM  
 NORTH: 0.00M  
 EAST: 0.00E  
 ELEV: 0.00

COLLAR SURVEY: NO  
 MULTISHOT SURVEY: NO  
 ROD LOG: NO  
 COLLAR DIP: -65° ' ° \*  
 LENGTH OF THE HOLE: 154.00M  
 START DEPTH: M  
 FINAL DEPTH: 154.00M

ALTERNATE COORDS GRID: LINE  
 NORTH: 143+60M  
 EAST: 115+60E  
 ELEV: 411.00  
 GRID ASTROMONIC AZIMUTH: 360° ' 0°  
 COLLAR SURVEY: NO  
 PULSE EN SURVEY: NO  
 PLUGGED: NO  
 HOLE SIZE: 90  
 CONTRACTOR: HOREX  
 CASTING: BU,  
 CORE STORAGE: MINESITE  
 UTM COORD.:

COMMENTS:  
 MEEGES AT:

DIRECTIONAL DATA:

Depth (M)	Astromonic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (M)	Astromonic Azimuth	Dip degrees	Type of Test	FLAG	Comments
17.00	557.30'	° -65°	' °	S	OK						
68.00	° 30'	° -46°	' °	S	OK						
137.00	° 30'	° -46°	' °	S	OK						
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FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 9.09	OVERBUNDEN "1001"	-silty clay, boulders.  -light grey to greenish grey.		-locally weakly chloritic.		
9.09 TO 11.00	CHERT "5ch1"	-locally weakly fractured and carbonate-filled. -9.09-9.34m "dirty", argillaceous chert with narrow bands at 25° to core axis. -9.34-10.70m "clean" white to light grey chert.		-Strongly graphitic.	-1-3% pyrrhotite, trace pyrite.  -3-5% pyrite in patches throughout and in hairline fractures. -9.75-9.79m massive pyrite band at 25° to core axis. -9.85-9.92m as above. -2-3% reddish brown and locally honey coloured fine-grained sphalerite in narrow bands and as rims on chert fragments. Large blebs of pyrite to 5%.	
11.00 TO 55.87	ANDESITIC BASALT ? "2a"	-greenish grey to dark grey/black.  -poorly to moderately well foliated at 20-30° to core axis. Locally moderately fractured and calcite and quartz flooded (increasing downward). Locally spotted with chlorite. Carbonate veins locally host orange-brown amorphous mineral.  -15.26-15.99m graphitic shear (?) similar to 10.70-11.00m; upper contact at 25°, lower contact at 35° to core axis. -23.73-23.78m carbonate vein at 40° to core axis with few specks of galena. -25.25-25.31m as above, with 3-5% sphalerite, 2-3% galena, trace to 1% chalcopyrite and trace pyrite; narrow bands of amorphous orange-brown mineral. -26.65m as 23.73-23.78m with trace sphalerite, chalcopyrite and galena.		-Moderately chloritic; variably carbonatized, locally intensely.  -38.36-42.13m weakly to moderately silicified.	-Trace pyrite disseminated throughout with narrow bands at contacts with carbonate veins. -pyrite content increases slightly in intensely carbonatized areas; locally dusty pyrite in carbonate veins.	

HOLE NUMBER: CUS2-02

DRILL HOLE RECORD

LOGGED BY: D. TRUSCOTT

PAGE: 2

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CL	ALTERATION	MINERALIZATION	REMARKS
55.87 TO 67.40	CHERT "Schist"	<p>-49.72-50.28m graphitic quartz-carbonate flooded shear at 35° to core axis.</p> <p>-45.50-45.95m quartz-calcite flooded shear with partially digested chloritic host rock.</p> <p>-45.95-49.72m increasingly fractured, locally brecciated and quartz-carbonate veined.</p> <p>-49.72-50.28m graphitic quartz-carbonate flooded shear at 35° to core axis.</p> <p>-50.32-51.53m strongly fractured and silicified; fault gouge at 50.60m.</p> <p>-52.54-53.44m as 49.72-50.28m, sheared at 40° to core axis.</p> <p>-53.44-54.28m moderately to strongly fractured, locally brecciated and quartz-carbonate flooded; quartz in vein brecciated, with fragments in carbonate matrix.</p> <p>-54.60-54.66m quartz-carbonate vein and plagioclase (?) secondary ?? vein at 50° to core axis.</p> <p>-55.08-55.22m quartz-carbonate flooded zone at 45° to core axis.</p> <p>-55.22-55.50m weakly sheared, silicified and carbonatized with pyrite and discontinuous pyrrhotite bands subparallel to foliation; pyramitic quartz vein at lower contact.</p> <p>-light grey.</p> <p>-Generally weakly fractured and carbonate filled.</p>	<p>-43.14-43.22m weakly carbonatized, moderately to strongly epidotized.</p> <p>-Locally moderately to strongly graphitic.</p>	<p>-59.17-59.41m moderately carbonatized and epidotized.</p> <p>-Strongly graphitic, locally moderately to strongly chloritic.</p> <p>-Strongly graphitic, moderately chloritic.</p>	<p>-Trace to 1% chalcopyrite.</p> <p>-46.72-46.81m quartz-carbonate veins with sphalerite and galena in carbonate portion.</p> <p>-47.19-47.53m as 46.72-46.81m.</p> <p>-48.47m as above.</p> <p>-49.25-49.28m as above.</p> <p>-Trace sphalerite, pyrite.</p> <p>-Trace pyrite.</p> <p>-1-2% pyrite, trace to 1% sphalerite in carbonate veins at lower contact.</p> <p>-3-5% sphalerite associated with carbonate.</p> <p>-2-3% pyrite, 3-5% pyrrhotite.</p> <p>-Pyrite in carbonate fractures (locally massive) to 4%; pyrrhotite locally associated with pyrite to 2%. Sphalerite and galena veining and void filling with carbonate, trace to 1%.</p>	<p>-Moderately magnetic.</p> <p>-Moderately to strongly magnetic.</p>

HOLE NUMBER: QJ32-02

DRILL HOLE RECORD

LOGGED BY: D. TRUSCOTT

PAGE: 3

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
67.40 TO 71.81	GRAPHITIC SHEAR ZONE (CHERT ?) "Sg, chrtal"	<ul style="list-style-type: none"> <li>-Strongly sheared at 40° to core axis (possibly sheared lower contact of chert unit); chert and pyritic bands and parts locally discontinuous and dymanic with fold axes alligned in shear plane; locally appears to be brecciated graphitic chert; shear angle increasing to core axis at lower contact, graphite contact decreasing.</li> </ul>		<ul style="list-style-type: none"> <li>-Weakly epidotized (?).</li> <li>-Weakly epidotized (?).</li> <li>-Weakly epidotized (?), Fe-carbonatized (?).</li> <li>-Locally graphitic.</li> <li>-67.31-67.40m strongly carbonatized lower contact.</li> </ul>	<ul style="list-style-type: none"> <li>-5-10% pyrite, generally in shear-parallel bands. Sphalerite, galena and chalcopyrite associated with chert intervals.</li> </ul>	<ul style="list-style-type: none"> <li>-Weakly magnetic.</li> </ul>
71.81 TO 74.09	ANDESITIC BASALT <21>	<ul style="list-style-type: none"> <li>-greenish grey, fine- to medium-grained.</li> <li>-foliation masked by alteration; phots of chlorite spots throughout; weakly fractured and quartz-carbonate filled.</li> <li>-light to medium grey.</li> </ul>		<ul style="list-style-type: none"> <li>-Moderately carbonatized, weakly silicified (?) and weakly chloritic.</li> <li>-Locally moderately to strongly carbonatized.</li> </ul>	<ul style="list-style-type: none"> <li>-1-2% fine-grained pyrite disseminated throughout. Trace sphalerite associated with quartz banding at 72.27m.</li> </ul>	<ul style="list-style-type: none"> <li>-locally weakly magnetic.</li> </ul>
74.09 TO 77.00	CHERT <5>chrt	<ul style="list-style-type: none"> <li>-dark grey, fine-grained.</li> <li>-Generally massive to weakly foliated, locally ampdular; rare plagioclase (?) ampdulas/ phenocrysts.</li> <li>-77.31-79.30m weakly sheared and carbonate-chlorite flooded at moderate to high angles to core axis. Locally enstomosing carbonate.</li> </ul>		<ul style="list-style-type: none"> <li>-Variable carbonatized, weakly to moderately chloritic; variably silicified.</li> <li>-Moderately carbonatized and chloritic; moderately to strongly silicified.</li> </ul>	<ul style="list-style-type: none"> <li>-5-8% fine-grained pyrite in irregular bands and hairline fractures throughout. 3-5% pyrrhotite associated with pyrite. Sphalerite and galena hosted in carbonate flooded zone 75.54-75.83m.</li> </ul>	<ul style="list-style-type: none"> <li>-locally weakly magnetic.</li> </ul>
77.00 TO 154.00	BASALT <21>			<ul style="list-style-type: none"> <li>-Trace fine-grained pyrite throughout.</li> </ul>	<ul style="list-style-type: none"> <li>-locally weakly magnetic.</li> </ul>	

HOLE NUMBER: CUS3-02

DRILL HOLE RECORD

LOGGED BY: D. TRUSCOTT

PAGE: 4

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
154.00 TO 154.00	E.O.H.	<p>chlorite vein wrap around siliceous lenses.                      -82.21-82.41m carbonate amygdalites.                      -83.31-83.92m as above.                      -85.52-85.75m as 82.21-82.41m, aligned at 30° to core axis.                      -87.07-87.67m as 77.31-79.30m at 10-15° to core axis.                      -87.88-88.24m strongly etchified, weakly carbonatized.                      -89.32-89.95m as above; weakly brecciated with chloritic matrix.                      -89.95-132.50m medium-grained flow; increasing grain size and increasing degree of foliation downhole at 20-25° to core axis.                      -94.33-94.77m as 87.88-88.24m.                      -132.50m fine-grained flow (upper contact).                      -133.68-134.14m quartz-carbonate vein at 20° to core axis.                      -138.50-138.64m moderately to strongly fractured and carbonate-quartz flooded.                      -142.98-143.90m euhedral to subhedral quartz and plagioclase (?) phenocrysts (?) to 3mm; weakly biotite and hornblende pyritic.                      -145.09-145.35m carbonate-quartz vein at 10° to core axis, 0.5cm wide.                      -149.70-151.01m moderately sheared and chlorite and carbonate flooded.</p>		<p>-Weakly epidotized (?).                      -Medium-grained biotite plates - ragged, medium-grained chlorite spots.                      -Weakly chloritic.                      -Strongly carbonatized, weakly bleached.                      -Strongly carbonatized.                      -Intensely carbonatized and bleached host rock.                      -Strongly chloritic.</p>	<p>-1-2% disseminated pyrite.                      -Trace pyrite.                      -2-3% fine-grained pyrite disseminated throughout.                      -1-2% fine-grained pyrite in quartz-carbonate stringers and veins.                      -5-8% dusty to fine-grained pyrite disseminated throughout.                      -2-4% fine-grained pyrite disseminated throughout, with 1-3% pyrrhotite.</p>	<p>-Moderately magnetic.                      -Weakly magnetic.</p>

HOLE NUMBER: CUS2-02

DRILL HOLE RECORD

LOGGED BY: D. TRUSCOTT

PAGE: 5

Sample	From (M)	To (M)	Length (M)	Cu ppm	Zn ppm	Au ppb	Ag ppm	Pb ppm	As ppm	Ni ppm
AM04.754	9.08	9.70	0.62	66	231	<5	0.9	91		22
AM04.755	9.70	10.70	1.00	280	96	<5	1.6	231		89
AM04.766	10.70	11.00	0.30	481	11300	17	7.3	3390		71
AM04.767	11.00	12.50	1.50	155	2430	10	1.8	988		116
AM04.768	12.50	14.00	1.50	117	127	<5	0.3	48		105
AM04.769	14.00	15.26	1.26	119	804	<5	0.8	89		121
AM04.770	15.26	15.98	0.72	219	419	10	3.5	143		155
AM04.771	15.98	17.00	1.02	103	219	7	2.8	85		133
AM04.772	17.00	18.50	1.50	109	101	<5	0.2	10		99
AM04.773	18.50	20.00	1.50	115	66	<5	0.1	1		90
AM04.774	20.00	21.50	1.50	131	152	<5	0.2	23		95
AM04.775	21.50	23.00	1.50	112	141	7	0.1	19		89
AM04.776	23.00	24.50	1.50	117	551	<5	0.1	121		108
AM04.777	24.50	26.00	1.50	143	1650	<5	0.3	1020		90
AM04.778	26.00	27.50	1.50	79	601	<5	0.2	16		102
AM04.779	27.50	29.00	1.50	86	279	<5	0.1	8		103
AM04.780	29.00	30.50	1.50	127	554	10	0.2	68		89
AM04.781	30.50	32.00	1.50	139	369	7	0.2	20		69
AM04.782	32.00	33.50	1.50	114	97	7	0.2	14		50
AM04.783	33.50	35.00	1.50	142	175	10	0.1	20		41
AM04.785	35.00	35.87	0.87	108	96	<5	0.2	8		57
AM04.786	35.87	37.26	1.39	106	75	14	0.1	97		51
AM04.787	37.26	38.36	1.10	63	73	<5	0.4	2		65
AM04.788	38.36	39.50	1.14	139	81	10	0.1	10		81
AM04.789	39.50	41.00	1.50	70	162	10	0.1	21		72
AM04.790	41.00	42.13	1.13	55	68	<5	0.1	2		61
AM04.791	42.13	42.93	0.80	169	181	<5	0.9	18		137
AM04.792	42.93	43.22	0.29	571	17900	<5	5.7	1070		181
AM04.793	43.22	44.00	0.78	331	581	<5	1.5	129		166
AM04.794	44.00	45.50	1.50	124	100	10	0.3	6		114
AM04.795	45.50	47.00	1.50	79	1880	10	0.3	284		72
AM04.796	47.00	48.50	1.50	105	2060	<5	0.2	103		89
AM04.797	48.50	49.72	1.22	187	1610	<5	0.7	508		110
AM04.798	49.72	50.28	0.56	316	12800	10	6.4	1100		92
AM04.799	50.28	50.52	0.24	211	1310	10	5.8	336		121
AM04.800	50.52	51.53	1.01	112	2530	<5	3.0	610		66
AM04.801	51.53	52.54	1.01	88	287	<5	3.3	54		141
AM04.802	52.54	53.44	0.90	149	972	10	4.0	326		149
AM04.803	53.44	54.50	1.06	74	691	10	0.3	88		107
AM04.804	54.50	55.87	1.37	329	3970	14	5.0	596		159
AM04.805	55.87	57.50	1.63	181	4400	14	1.9	1610		37
AM04.806	57.50	59.00	1.50	261	1790	171	2.1	698		27
AM04.807	59.00	60.05	1.05	202	41	158	2.3	22		28
AM04.808	60.05	61.65	1.60	323	210	151	1.7	40		27
AM04.809	61.65	62.52	0.87	123	255	75	1.7	86		28
AM04.810	62.52	63.50	0.98	115	2170	55	6.0	206		46
AM04.811	63.50	64.42	0.92	288	1970	147	4.8	1350		64

HOLE NUMBER: CU32-02

ASSAYS SHEET



Sample	From (ft)	To (ft)	Legth. (ft)	Cu ppm	Zn ppm	AU ppb	Ag ppm	Pb ppm	As ppm	Ni ppm
AM04812	64.42	64.86	0.44	51	413	31	0.2	107		22
AM04813	64.86	65.24	0.38	28	11	10	0.1	2		16
AM04814	65.24	66.50	1.26	200	881	14	1.6	422		41
AM04815	66.50	67.60	0.90	218	4720	14	1.0	1050		36
AM04816	67.60	68.00	0.60	87	543	45	1.6	388		70
AM04817	68.00	69.50	1.50	101	779	14	1.0	183		69
AM04818	69.50	71.00	1.50	103	5400	10	1.7	1390		66
AM04819	71.00	71.81	0.81	224	4110	17	2.3	1050		109
AM04820	71.81	72.81	1.00	41	141	7	0.2	11		30
AM04821	72.81	74.09	1.28	53	296	10	0.1	12		29
AM04822	74.09	75.50	1.41	249	591	45	1.0	23		123
AM04823	75.50	77.00	1.50	248	2910	10	0.9	2440		95
AM04824	77.00	78.50	1.50	122	211	45	0.4	48		122
AM04825	78.50	80.00	1.50	135	48	45	0.1	2		95
AM04826	80.00	81.50	1.50	155	63	10	0.1	9		117
AM04827	81.50	83.00	1.50	99	37	45	0.1	1		106
AM04828	83.00	84.00	1.00	110	33	14	0.1	1		97
AM04829	84.00	86.00	2.00	139	25	10	0.1	1		82
AM04830	86.00	87.50	1.50	154	34	21	0.1	1		77
AM04831	87.50	89.00	1.50	153	44	24	0.1	1		105
AM04832	89.00	90.50	1.50	139	33	10	0.1	1		81
AM04833	90.50	92.00	1.50	146	41	10	0.1	1		69
AM04834	92.00	93.50	1.50	144	29	14	0.1	1		44
AM04835	93.50	94.13	0.63	132	183	10	0.1	11		128
AM04836	94.13	94.77	0.64	132	60	17	0.1	1		92
AM04837	94.77	97.00	2.23	113	48	10	0.1	1		58
AM04838	97.00	98.00	1.00	176	35	17	0.1	1		56
AM04840	98.00	99.50	1.50	134	41	10	0.1	1		76
AM04841	99.50	101.00	1.50	135	48	45	0.1	1		96
AM04842	101.00	102.13	1.13	161	46	14	0.1	1		116
AM04843	102.13	104.00	1.87	63	43	10	0.1	1		63
AM04844	104.00	105.50	1.50	162	40	17	0.1	1		77
AM04845	105.50	107.00	1.50	136	36	45	0.1	1		70
AM04846	107.00	108.50	1.50	121	34	10	0.1	1		81
AM04847	108.50	110.00	1.50	89	25	45	0.1	1		57
AM04848	110.00	111.50	1.50	496	31	45	0.2	1		86
AM04849	111.50	113.00	1.50	106	31	14	0.3	1		105
AM04850	113.00	114.50	1.50	94	37	45	0.1	1		91
AM04851	114.50	116.00	1.50	83	49	7	0.1	1		104
AM04852	116.00	117.50	1.50	121	38	45	0.1	1		76
AM04853	117.50	119.00	1.50	125	31	45	0.1	1		66
AM04854	119.00	120.50	1.50	121	37	14	0.1	1		71
AM04855	120.50	122.00	1.50	107	38	10	0.1	1		67
AM04856	122.00	123.50	1.50	155	41	10	0.1	1		55
AM04857	123.50	125.00	1.50	126	63	7	0.1	1		88
AM04858	125.00	126.50	1.50	149	43	17	0.1	1		54
AM04859	126.50	128.00	1.50	144	32	7	0.1	2		42

Sample	From (M)	To (M)	Leqg. (M)	Cu ppm	Zn ppm	Au ppb	Ag ppm	Pb ppm	As ppm	Ni ppm
AMD4860	128.00	129.50	1.50	142	29	<5	0.1	1		42
AMD4861	129.50	131.00	1.50	145	37	10	0.1	1		44
AMD4862	131.00	132.50	1.50	197	34	10	0.1	1		55
AMD4863	132.50	134.00	1.50	140	45	21	0.2	1		68
AMD4864	134.00	135.50	1.50	135	26	17	0.2	2		58
AMD4865	135.50	136.27	0.77	135	21	10	0.1	1		60
AMD4866	136.27	137.00	0.73	131	25	14	0.1	1		55
AMD4867	137.00	138.50	1.50	133	33	17	0.1	1		68
AMD4868	138.50	140.00	1.50	141	27	24	0.1	1		57
AMD4869	140.00	142.98	2.98	133	29	17	0.1	1		54
AMD4870	142.98	143.90	0.92	47	42	21	0.1	5		52
AMD4871	143.90	144.50	0.60	138	22	24	0.1	1		55
AMD4872	144.50	146.00	1.50	135	25	17	0.1	1		63
AMD4873	146.00	147.50	1.50	181	32	14	0.1	1		51
AMD4874	147.50	149.00	1.50	141	25	10	0.1	1		51
AMD4875	149.00	149.70	0.70	128	27	<5	0.1	1		84
AMD4876	149.70	151.01	1.31	189	53	14	0.1	1		70
AMD4877	151.01	152.00	0.99	157	29	10	0.1	1		65
AMD4878	152.00	154.00	2.00	149	27	7	0.1	1		65

HOLE NUMBER : CU32-02

GEOCHEMICAL ASSAY

Sample	From (M)	To (M)	Leqth. (M)	SI02 %	AL2O3 %	CAO %	MGO %	MA2O %	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	FI PPM	NAME	CHEM ID	ALUM
AM04375	9.70	10.70	1.00	77.36	0.33	0.43	0.70	0.05	0.04	14.24	0.01	0.01	0.18	<0.00	4.54	97.94	4	120					60	110	<10			4PR	63	
AM04376	14.00	15.00	1.00	46.80	14.79	8.90	5.69	1.32	0.96	11.06	0.90	0.08	0.16	0.04	7.89	98.58	18	152					105	215	80			2V	132	
AM04377	15.98	17.00	1.02	47.68	14.29	9.37	6.21	0.90	1.68	11.92	0.79	0.06	0.21	0.03	5.60	98.73	16	146					90	578	140			2U	120	
AM04378	29.00	30.00	1.00	48.82	14.22	8.59	7.92	2.08	1.02	12.94	0.86	0.08	0.23	0.03	2.83	99.60	22	164					120	245	120			2U	122	
AM04379	40.00	61.00	1.00	48.02	13.27	8.80	7.72	2.17	0.68	12.58	0.85	0.06	0.21	0.03	4.07	98.46	24	168					85	140	100			2M	114	
AM04380	50.32	51.53	1.21	54.09	12.99	8.44	3.66	2.85	1.28	7.39	0.54	0.10	0.13	0.01	7.30	98.78	16	128					115	1355	60			2M	103	
AM04381	59.87	56.87	1.00	84.82	1.38	2.33	0.91	0.08	0.06	5.98	0.03	0.04	0.06	<0.00	2.22	97.50	2	70					75	5365	<10			4PR	56	
AM04382	59.00	60.00	1.00	78.48	0.77	2.44	0.96	0.06	0.14	12.54	0.02	<0.02	0.11	<0.00	5.00	97.52	8	104					95	100	10			4PR	29	
AM04383	71.81	72.81	1.00	66.51	14.84	3.74	1.45	5.04	1.24	3.48	0.34	0.12	0.04	0.00	3.11	99.94	<2	116					35	305	10			3P	148	
AM04384	83.50	84.50	1.00	41.93	13.07	12.84	6.33	1.67	0.48	13.71	0.67	0.02	0.28	0.05	8.81	99.85	14	124					95	160	140			2U	87	
AM04385	87.50	88.50	1.00	50.56	16.47	10.98	4.12	1.93	0.80	11.22	0.77	0.06	0.21	0.05	3.05	100.23	14	144					130	110	180			2M	120	
AM04386	110.00	111.00	1.00	46.97	15.09	11.83	5.04	1.98	0.78	12.88	0.69	0.06	0.25	0.05	3.93	99.54	16	134					110	95	130			2M	103	
AM04388	142.98	143.90	0.92	60.94	16.16	6.06	4.97	5.11	0.86	5.95	0.44	0.18	0.10	0.05	2.02	100.83	8	174					250	65	120			2M	117	
																							50	80	60			2M	118	

HOLE NUMBER: CU32-02

GEOCHEMICAL ASSAY

Sample	From (ft)	To (ft)	Long. (ft)	AG PPM	AU PPM	CO PPM	PB PPM	S PPM	V PPM	AS PPM	SN PPM	CO PPM	SB PPM	BI PPM	SE PPM	HF PPM	TA PPM	V PPM	MO PPM	TN PPM	U PPM	B PPM	CS PPM	LA PPM	CE PPM	MO PPM	EU PPM	CO PPM										
AMD375	9.70	10.70	1.00			<5		52600																														
AMD376	14.00	15.00	1.00			45		17600																														
AMD377	15.98	17.00	1.02			45		1300																														
AMD378	29.00	30.00	1.00			50		3900																														
AMD379	40.00	41.00	1.00			40		4500																														
AMD380	50.32	51.53	1.21			25		6400																														
AMD381	55.87	56.87	1.00			5		25500																														
AMD382	59.00	60.00	1.00			<5		59000																														
AMD383	71.81	72.81	1.00			5		3600																														
AMD384	77.00	77.70	0.70			40		2800																														
AMD385	83.50	84.50	1.00			55		1000																														
AMD386	87.50	88.50	1.00			45		3500																														
AMD387	110.00	111.00	1.00			50		4000																														
AMD388	142.98	143.90	0.92			20		2500																														



FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 3.00	OVERBURDEN = obl =	-sandy clay, organics, boulders, casing.				
3.00 TO 9.22	CHLORITE-GRAPHITE SCHIST =S.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. -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 chalcopyrite filled. -20.60-22.20m moderately sheared and chlorite + pyrrhotite + chalcopyrite flooded, with rare sphalerite + chalcopyrite + galena mineralization associated with narrow chlorite veins. -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 + chalcopyrite to 8%.		-Strongly chloritic; weakly graphitic; talcose (?).  -Locally moderately chloritic and epidotized (?); chloritic bands may represent sheared intermediate tuff or siltstone.  -Moderately to strongly graphitic; moderately chloritic.  -Weakly carbonatized in shear-parallel bands.	-3-5% pyrite throughout, along schistosity and in occasional chert rafts/quartz veins; trace to 1% pyrrhotite in chert.  -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 chalcopyrite in chloritic matrix in cataclastic bands and veins cross-cutting shear at high angles to core axis.	-Moderately magnetic.  -Locally moderately magnetic.
9.22 TO 31.57	CHERT =chte=					
31.57 TO 35.45	SILTSTONE =Sg.sist=					

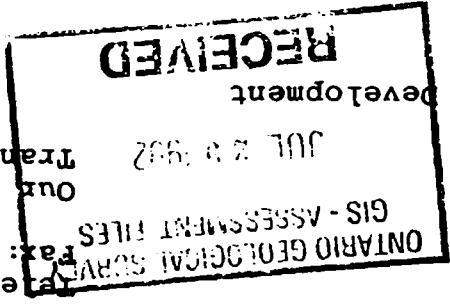
FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
35.45 TO 41.30	CHERT «Sch»	-As 9.22-31.57m: argillaceous bands, generally narrow, at 25° to core axis host dusty to medium-grained locally semi-massive pyrite; weakly fractured and carbonate filled. -grey to black.		-Strongly graphitic.	-Narrow bands and blebs of pyrite throughout.	
41.30 TO 44.44	GRAPHITIC SHEAR «Sg, (FAl)»	-Graphitic shear with refts of dowhole unit; schistosity at 15-20° to core axis; narrow pyrite-carbonate bands at 65° to core axis. -63.00-44.00m ground core. -greenish grey, fine- to medium-grained. -Increasingly coarse-grained dowhole; variably fractured and carbonate & quartz filled.		-Moderately to strongly chloritic; variably carbonatized.	-Rare fine-grained sphalerite (?) associated with carbonate veining; trace fine-grained pyrite disseminated throughout.	
44.44 TO 90.50	BASALT «Zl»	-65.10-45.53m carbonate-quartz flooded with 5-7% blebby sphalerite throughout, trace galena. -66.18-46.36m carbonate-quartz flooded shear as above; 2m wide sphalerite and trace galena in carbonate at host rock contact. -59.11-59.52m carbonate veining hosting 1-2% spotty sphalerite. -59.63-59.92m carbonate veining at 10-15° to core axis, hosting 5-8% sphalerite at wallrock contacts and along carbonate margins. -68.17-68.38m sheared and quartz-carbonate flooded at 40° to core axis. -68.91-69.83m moderately to strongly pervasively carbonatized with quartz-carbonate veins and carbonate veinlets throughout. -73.37-74.70m as above. Locally weakly to moderately sheared and quartz-carbonate flooded. Strong shear at 73.74-73.82m at 45° to core axis. -77.45-78.58m as 68.91-69.83m with quartz-carbonate vein 77.97-78.09 at 40-45° to core axis. -80.72-81.47m as 68.91-69.83m. -81.47-82.16m weakly silicified and moderately hairline fractured; quartz-carbonate vein 81.96-82.10m; lower contact graphitic. -82.16-82.32m carbonatized with carbonate band at upper contact with graphitic band.		-Bleached and carbonatized.  -Intensely chloritic.	-Trace fine-grained pyrite associated with flooding. -2-3% fine- to medium-grained subhedral pyrite at upper contact in vein.  -Trace to 1% fine-grained pyrite in halo around vein.	



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

Mining Lands Branch  
Geoscience Approvals Section  
159 Cedar Street, 4th Floor  
Sudbury, Ontario P3E 6A5

Telephone: (705) 670-7264  
Fax: (705) 670-7262  
Our File: 2.14596  
Transaction #W9260.0026  
M9260.0036



June 17, 1992  
Mining Recorder  
Ministry of Northern Development and Mines  
60 Wilson Avenue  
Timmins, Ontario P4N 2S7  
Dear Sir/Madam:

SUBJECT: APPROVAL OF ASSESSMENT WORK SUBMITTED ON MINING CLAIMS  
P16466 ET AL. IN CUNNINGHAM TOWNSHIP

The assessment work credits for the Geological Survey and Assays, Sections 12 and 17 of the Mining Act Regulations have been approved as outlined on the attached Assessment Work Credit Form.  
The approval date is June 17, 1992.  
Please indicate this approval on the claim record sheet.

Yours sincerely,

Ron C. Gashinski  
Senior Manager, Mining Lands Branch  
Mines and Minerals Division

Enclosures: LJ/11

cc: Assessment Files Office  
Toronto, Ontario

Resident Geologist  
Timmins, Ontario



ASSESSMENT WORK CREDIT FORM

FILE NUMBER: 2.14596  
 DATE: JUNE 17, 1992  
 RECORDER'S REPORT NUMBER: W9260.0026

RECORDED HOLDER: Falconbridge Ltd.

CLIENT NUMBER: 130679

TOWNSHIP OR AREA: Cunningham Township

CLAIM NUMBER	VALUE OF WORK DONE ON THIS CLAIM	VALUE APPLIED TO THIS CLAIM	VALUE ASSIGNED FROM THIS CLAIM	RESERVE
P116466	\$1430	0	0	1430
116467	1430	0	0	1430
116468	1430	0	0	1430
116469	1430	0	0	1430
641188	1430	0	0	1430
641189	1430	0	0	1430
641190	1430	0	0	1430
641191	1430	0	0	1430
641192	1430	0	0	1430
641193	1430	0	0	1430
1131998	1430	540	0	890
1131999	1430	320	0	1110
1132000	1430	320	0	1110
1132001	1430	320	0	1110
1132002	1430	320	0	1110
1132003	1430	320	0	1110
1132004	1430	320	0	1110
1132005	1430	320	0	1110
1132006	1430	320	0	1110
1132007	1430	320	0	1110
1132287	1430	320	0	1110
1132288	1430	320	0	1110
1132289	1443	320	0	1123
23 claims	32,903	4,380	0	28,523

**ASSESSMENT WORK CREDIT FORM**

**FILE NUMBER: 2.14596**  
**DATE: JUNE 17, 1992**  
**RECORDER' S REPORT NUMBER: W9260.0036**

**RECORDED HOLDER: Falconbridge Ltd.**

**CLIENT NUMBER: 130679**

**TOWNSHIP OR AREA: Cunningham Township**

<b>CLAIM NO.</b>	<b>VALUE OF WORK DONE ON CLAIM</b>	<b>RESERVE</b>
P116469	\$2649	\$2650
1132006	1359	1359
1132289	1223	1223
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3 claims	\$5231	\$5231

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
90.50 TO 93.15	GRAPHITIC SHEAR <del>of g. f. fal. +</del>	<ul style="list-style-type: none"> <li>-82.70-83.65m weakly sheared and carbonate-black chlorite-amorphous orange-brown mineral flooded.</li> <li>-83.72-83.99m weakly to moderately sheared and quartz-carbonate-chlorite flooded at 40° to core axis.</li> <li>-83.55-85.71m carbonate-quartz vein at high angle to core axis.</li> <li>-85.07-87.50m weakly to moderately sheared at moderate angles to core axis with carbonate (pink at upper contact) and quartz flooding.</li> <li>-87.25-87.50m moderately to strongly sheared/brecciated and chlorite healed with trace sphalerite in matrix.</li> <li>-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.</li> </ul>		<ul style="list-style-type: none"> <li>-Moderately carbonatized and chloritic, increasing downhole with intervals of shearing; weakly to moderately silicified.</li> <li>-Strongly silicified.</li> </ul>	<ul style="list-style-type: none"> <li>-2-3% dusty to fine-grained pyrite disseminated throughout, 10-40X to 87.94m. Sphalerite and trace galena in carbonate veins along contacts with wallrock as specks and locally massive fining to 3mm.</li> </ul>	
93.15 TO 143.15	BASALT "Z1"	<ul style="list-style-type: none"> <li>-Shear banding at 30° to core axis with carbonate flooding shear plane and filling stockwork; banding locally contorted.</li> <li>-greenish grey, fine- to medium grained.</li> <li>-As 44.44-90.50m; occasional amorphous orange-brown veining associated with carbonate veins; variably chlorite-spotted and calcite spotted to 3mm.</li> <li>-101.86-102.56m moderately to strongly silicified, weakly carbonatized.</li> <li>-104.18-104.35m porphyritic in plagioclase (?).</li> <li>-109.23-109.40m graphitic; carbonate flooded shear at 45-50° to core axis.</li> <li>-111.96-113.14m amygdule interval; amygdules to 1.6mm.</li> <li>-greenish grey; medium-grained.</li> </ul>		<ul style="list-style-type: none"> <li>-Strongly silicified.</li> <li>-Moderately silicified, weakly pervasively carbonatized.</li> </ul>	<ul style="list-style-type: none"> <li>-Trace fine-grained pyrite.</li> <li>-Fractured pyritic band at lower contact.</li> <li>-Trace fine-grained pyrite.</li> </ul>	
143.15 TO 146.15	GABBRO "T1"	<ul style="list-style-type: none"> <li>-Massive to weakly foliated, equigranular.</li> <li>-144.50-145.05m sheared and quartz flooded.</li> </ul>		<ul style="list-style-type: none"> <li>-Moderately to strongly silicified.</li> </ul>	<ul style="list-style-type: none"> <li>-Trace fine-grained pyrite.</li> <li>-Trace pyrite.</li> </ul>	

HOLE NUMBER: CU32-03 DRILL HOLE RECORD LOGGED BY: D. TRUSCOTT PAGE: 4

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ALTERATION	MINERALIZATION	REMARKS
146.15 TO 196.00	BASALT ~21%	<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>-156.85-155.55m 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 6mm, 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 carbonized alteration halo.</p> <p>-moderately to strongly silicified; weakly chloritic groundmass.</p> <p>-bleached haloes around quartz veins weakly carbonized; locally strongly chloritic.</p>	<p>-rare blebs pyrrhotite and void-filling pyrrhotite and trace chalcopyrite at 148.59m. 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>
195.00 TO 196.00	E.O.M.				

HOLE NUMBER: CUS2-03

DRILL HOLE RECORD

LOGGED BY: D. TRUSCOTT

PAGE: 5

Sample	From (M)	To (M)	Length (M)	Cu ppm	Zn ppm	Au ppb	Ag ppm	Pb ppm	As ppm	Mn ppm
AM05945	3.00	4.00	1.00	119	115	10	0.1	1		168
AM05946	4.00	5.00	1.00	81	140	<5	0.1	1		167
AM05947	5.00	6.50	1.50	134	112	17	0.2	2		211
AM05948	6.50	8.00	1.50	92	110	<5	0.3	4		162
AM05949	8.00	8.30	0.30	196	110	<5	0.5	9		180
AM05950	8.30	9.22	0.92	158	587	<5	0.4	154		472
AM05801	9.22	11.00	1.78	66	57	10	0.6	1		60
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	17	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
A-05809	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		15
AM05812	24.50	26.00	1.50	25	25	<5	0.2	2		21
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		14
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
AM05820	35.45	37.20	1.75	82	103	17	0.3	11		11
AM05821	37.20	37.45	0.25	23	103	10	0.3	1		11
AM05822	37.45	38.84	1.39	29	33	24	0.5	15		15
AM05823	38.84	39.56	0.72	55	7	27	0.4	10		20
AM05824	39.56	41.30	1.74	184	113	96	1.0	43		26
AM05825	41.30	42.43	1.13	337	1620	27	5.9	303		112
AM05826	42.43	44.44	2.01	247	306	21	1.2	85		113
AM05827	44.44	45.10	0.66	164	105	10	0.6	1510		126
AM05828	45.10	45.53	0.43	89	17200	10	0.4	44		75
AM05829	45.53	46.18	0.65	137	3070	14	0.7	425		110
AM05830	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
AM05838	54.50	56.00	1.50	124	152	<5	0.1	94		91
AM05839	56.00	57.50	1.50	95	85	<5	0.1	4		95
AM05840	57.50	59.00	1.50	88	288	<5	0.2	23		102
AM05841	59.00	60.50	1.50	86	2150	<5	0.2	16		95

HOLE NUMBER : CU32-03

ASSAYS SHEET

Sample	From (M)	To (M)	Length (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	93
AM05859	62.00	63.50	1.50	96	192	<5	0.2	15	92	92
AM05860	63.50	65.00	1.50	130	938	<5	0.2	17	66	66
AM05861	65.00	66.50	1.50	115	91	<5	0.1	7	56	56
AM05862	66.50	68.00	1.50	127	67	<5	0.1	25	56	56
AM05863	68.00	69.50	1.50	112	58	<5	0.1	3	52	52
AM05864	69.50	71.00	1.50	149	61	<5	0.1	4	53	53
AM05865	71.00	72.50	1.50	128	99	10	0.1	7	42	42
AM05866	72.50	74.00	1.50	113	478	<5	0.2	33	63	63
AM05867	74.00	75.50	1.50	84	65	<5	0.2	2	67	67
AM05868	75.50	77.00	1.50	127	45	<5	0.2	2	43	43
AM05869	77.00	78.50	1.50	116	82	<5	0.1	1	63	63
AM05870	78.50	80.00	1.50	134	51	<5	0.2	3	51	51
AM05871	80.00	81.50	1.50	113	71	<5	0.2	11	71	71
AM05872	81.50	83.00	1.50	133	214	<5	0.4	204	108	108
AM05873	83.00	84.50	1.50	101	62	<5	0.1	4	103	103
AM05874	84.50	85.97	1.47	102	87	<5	0.1	1	94	94
AM05875	85.97	87.50	1.53	113	2140	<5	0.9	68	94	94
AM05876	87.50	89.00	1.50	183	7520	24	2.2	291	57	57
AM05878	89.00	90.50	1.50	603	36400	24	2.2	2620	75	75
AM05879	90.50	92.00	1.50	167	20900	34	4.7	8240	154	154
AM05880	92.00	93.00	1.00	93	629	<5	0.1	151	70	70
AM05881	93.00	95.00	2.00	79	371	14	0.3	73	131	131
AM05882	95.00	96.50	1.50	66	310	<5	0.1	85	88	88
AM05883	96.50	98.00	1.50	91	931	<5	0.1	85	107	107
AM05884	98.00	99.50	1.50	93	1730	<5	0.1	335	126	126
AM05885	99.50	101.00	1.50	155	329	<5	0.2	90	105	105
AM05886	101.00	101.86	0.86	42	458	<5	0.2	57	31	31
AM05888	101.86	102.56	0.70	126	384	<5	0.2	57	89	89
AM05889	102.56	104.00	1.44	92	94	<5	0.1	277	85	85
AM05890	104.00	105.50	1.50	123	197	<5	0.1	16	106	106
AM05891	105.50	107.00	1.50	134	92	<5	0.2	4	146	146
AM05892	107.00	108.50	1.50	117	120	<5	0.2	4	108	108
AM05893	108.50	110.00	1.50	99	56	<5	0.1	1	78	78
AM05894	110.00	111.50	1.50	177	177	<5	0.1	4	92	92
AM05895	111.50	113.14	1.18	44	59	<5	0.1	5	62	62
AM05896	113.14	114.00	0.86	113	47	<5	0.2	2	86	86
AM05897	114.00	116.00	2.00	187	1380	<5	0.4	179	93	93
AM05898	116.00	117.50	1.50	130	87	<5	0.3	5	84	84
AM05899	117.50	119.00	1.50	128	40	<5	0.2	8	64	64
AM05900	119.00	120.50	1.50	123	44	<5	0.1	2	72	72
AM05901	120.50	122.00	1.50	107	67	<5	0.2	7	73	73
AM05902	122.00	123.50	1.50	119	70	10	0.1	1	91	91
AM05903	123.50	125.00	1.50	138	59	17	0.2	3	80	80
AM05904	125.00	126.50	1.50							
AM05905	126.50	128.00	1.50							

HOLE NUMBER: CU32-03

ASSAYS SHEET

PAGE: 7

Sample	From (M)	To (M)	Length (M)	Cu ppm	Zn ppm	Au ppb	Ag ppm	Pb ppm	As ppm	Ni ppm
AM05906	128.00	129.50	1.50	129	191	16	0.2	21	54	54
AM05907	129.50	131.00	1.50	140	975	10	0.2	75	50	50
AM05908	131.00	132.50	1.50	126	125	7	0.2	12	51	51
AM05909	132.50	134.00	1.50	157	41	14	0.1	5	61	61
AM05910	134.00	135.50	1.50	131	42	-5	0.1	2	69	69
AM05911	135.50	137.00	1.50	154	39	14	0.1	2	66	66
AM05912	137.00	138.50	1.50	167	147	21	0.2	22	75	75
AM05913	138.50	140.00	1.50	150	32	10	0.2	5	68	68
AM05914	140.00	141.50	1.50	124	39	7	0.1	2	77	77
AM05915	141.50	143.00	1.50	156	177	10	0.2	48	91	91
AM05916	143.00	144.50	1.50	125	36	17	0.1	1	64	64
AM05917	144.50	146.00	1.50	117	43	21	0.1	5	41	41
AM05918	146.00	147.50	1.50	141	37	10	0.1	1	60	60
AM05919	147.50	149.00	1.50	186	38	7	0.1	1	67	67
AM05920	149.00	150.50	1.50	118	36	14	0.1	1	51	51
AM05921	150.50	152.00	1.50	159	31	-5	0.1	1	66	66
AM05922	152.00	153.50	1.50	132	147	17	0.1	47	80	80
AM05923	153.50	155.00	1.50	127	209	10	0.2	10	78	78
AM05924	155.00	156.50	1.50	116	39	14	0.2	1	105	105
AM05925	156.50	158.00	1.50	127	209	10	0.7	44	82	82
AM05926	158.00	159.50	1.50	132	147	-5	0.4	47	87	87
AM05927	159.50	161.00	1.50	139	38	17	0.1	1	80	80
AM05928	161.00	162.50	1.50	125	35	17	0.1	1	79	79
AM05929	162.50	164.00	1.50	135	35	-5	0.1	1	77	77
AM05930	164.00	165.50	1.50	83	34	10	0.1	1	101	101
AM05931	165.50	167.00	1.50	99	77	7	0.8	68	113	113
AM05932	167.00	168.50	1.50	229	347	-5	0.7	2	83	83
AM05933	168.50	170.00	1.50	187	55	-5	0.1	1	56	56
AM05934	170.00	171.50	1.50	176	37	-5	0.1	2	42	42
AM05935	171.50	172.90	1.40	153	36	-5	0.1	2	45	45
AM05936	172.90	174.00	1.10	146	35	-5	0.1	1	50	50
AM05937	174.00	175.00	1.00	131	89	-5	0.2	13	49	49
AM05938	175.00	176.00	1.00	30	332	10	0.1	94	13	13
AM05939	176.00	177.00	1.00	178	45	-5	0.2	56	58	58
AM05940	177.00	178.32	1.32	139	87	14	0.2	11	51	51
AM05941	178.32	179.00	1.68	121	521	-5	0.9	28	36	36
AM05942	179.00	180.50	1.50	139	282	14	0.1	67	60	60
AM05943	180.50	182.00	1.50	126	37	10	0.2	3	52	52
AM05944	182.00	183.50	1.50	138	31	7	0.1	1	53	53
AM05945	183.50	185.00	1.50	149	28	-5	0.1	1	59	59
AM05946	185.00	186.50	1.50	141	35	10	0.1	9	64	64
AM05947	186.50	188.00	1.50	137	39	10	0.2	14	65	65
AM05948	188.00	189.50	1.50	150	95	10	0.2	19	65	65
AM05949	189.50	191.00	1.50	128	58	-5	0.1	43	67	67
AM05950	191.00	192.50	1.50	129	550	-5	0.2	128	75	75
AM05951	192.50	194.00	1.50	161	85	-5	0.2	20	81	81
AM05952				147	50	-5	0.1	5	74	74

NOTE NUMBER: CU32-03

ASSAYS SHEET

Sample	From (M)	To (M)	Length (M)	Cu ppm	Zn ppm	Au ppb	Ag ppm	Pb ppm	As ppm	Ni ppm
AM05954	194.00	195.50	1.50	125	34.8	<5	0.1	28		69
AM05955	195.50	196.00	0.50	139	61	<5	0.2	18		83



Sample	From (M)	To (M)	Length (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 MADE	CHEM ID	ALUM
AH04952	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	BA	RB	SR	CO2	CU	ZN	NI	CR	FIELD MADE	CHEM ID	ALUM
AH04953	11.61	12.31	0.70	73.77	1.02	1.03	1.37	0.04	0.14	20.31	0.05	<0.02	0.44	0.09	0.32	100.48	8	146	BA	RB	SR	CO2	CU	ZN	NI	CR	37*	4PR	368
AH04954	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	BA	RB	SR	CO2	CU	ZN	NI	CR	4PR	4PR	84
AH04955	21.20	22.20	1.00	87.65	0.73	0.43	0.38	0.03	0.08	6.52	0.03	<0.02	0.03	<0.00	1.95	97.84	2	48	BA	RB	SR	CO2	CU	ZN	NI	CR	4PR	4PR	23
AH04956	24.00	25.33	1.33	65.72	0.53	1.05	0.82	0.04	<0.02	11.64	0.03	<0.02	0.21	<0.00	0.46	100.62	6	134	BA	RB	SR	CO2	CU	ZN	NI	CR	4PR	4PR	135
AH04957	30.50	31.00	0.50	62.58	0.06	0.54	1.02	0.02	<0.02	15.84	<0.01	<0.02	0.28	<0.00	0.06	100.41	4	162	BA	RB	SR	CO2	CU	ZN	NI	CR	4PR	4PR	44
AH04958	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	99.52	4	162	BA	RB	SR	CO2	CU	ZN	NI	CR	4PR	4PR	99
AH04959	43.44	44.44	1.00	54.93	8.01	2.19	4.01	0.84	0.48	13.29	0.35	0.04	0.16	0.01	13.36	97.69	12	160	BA	RB	SR	CO2	CU	ZN	NI	CR	2v1	2v1	227
AH04960	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	BA	RB	SR	CO2	CU	ZN	NI	CR	2u	2u	154
AH04961	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	2.36	99.58	12	162	BA	RB	SR	CO2	CU	ZN	NI	CR	2u	2u	132
AH04963	60.50	61.50	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	BA	RB	SR	CO2	CU	ZN	NI	CR	2u	2u	126
AH04964	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	BA	RB	SR	CO2	CU	ZN	NI	CR	2u	2u	124
AH04965	88.00	89.00	1.00	54.67	11.60	7.55	4.92	1.45	1.24	8.19	0.40	0.06	0.16	0.01	15.11	94.49	12	114	BA	RB	SR	CO2	CU	ZN	NI	CR	2u	2u	109
AH04967	91.00	92.00	1.00	61.11	5.32	6.30	1.22	1.45	1.40	5.37	0.19	0.06	0.06	0.01	4.85	99.80	10	96	BA	RB	SR	CO2	CU	ZN	NI	CR	2u	2u	66
AH04968	143.15	144.15	1.00	51.51	12.08	9.24	7.90	1.75	1.00	10.85	0.61	0.04	0.21	0.03	2.92	98.95	10	156	BA	RB	SR	CO2	CU	ZN	NI	CR	2u	2u	107
AH04969	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	BA	RB	SR	CO2	CU	ZN	NI	CR	2u	2u	116
AH04970	172.90	173.90	1.00	69.37	15.60	2.48	6.67	6.80	1.62	2.24	0.18	0.08	0.03	<0.00	1.11	100.19	4	142	BA	RB	SR	CO2	CU	ZN	NI	CR	4PR	4PR	143

GEOCHEMICAL ASSAYS

DATE: 11/12/1991

Sample	From (M)	To (M)	Length (M)	AG PPM	AU PPB	CO PPM	PB PPM	S PPM	V PPM	AS PPM	SM PPM	CD PPM	SB PPM	BI PPM	SE PPM	HF PPM	TA PPM	V PPM	NO PPM	TI PPM	U PPM	B PPM	CS PPM	LA PPM	CE PPM	NO PPM	SM PPM	EU PPM	GD PPM	
AM04952	8.30	9.22	0.92			45		11700																						
AM04953	11.61	12.31	0.70			<5		14500																						
AM04954	15.50	16.30	0.80			<5		11700																						
AM04955	21.20	22.20	1.00			5		33400																						
AM04956	24.00	25.33	1.33			<5		3900																						
AM04957	30.50	31.00	0.50			<5		4400																						
AM04958	32.50	33.50	1.00			<5		10400																						
AM04959	43.44	44.44	1.00			35		44200																						
AM04960	48.90	49.90	1.00			40		2600																						
AM04961	53.00	54.00	1.00			45		1700																						
AM04963	80.50	81.50	1.00			35		3200																						
AM04964	83.00	83.63	0.63			35		2000																						
AM04965	86.00	89.00	1.00			30		8300																						
AM04967	91.00	92.00	1.00			125		30000																						
AM04968	143.15	144.15	1.00			35		2000																						
AM04969	153.86	154.85	0.99			40		2900																						
AM04970	172.90	173.90	1.00			45		900																						

GEOCHEMICAL ASSAYS

**APPENDIX V**

**LITHOGEOCHEMICAL DATA**

FALCONBRIDGE

D. CRUJI

PROJ: 8118-8203

1W-3446-R01

SWISSTILKA BUKAVUKLES

P.O. BOX 10, AUSTINA, ONTARIO

PHONE #: (705) - 642 - 3244 FAX #: (705) - 642 - 3300

I.C.A.P. WHOLE ROCK ANALYSIS

Lithium Metaborate Fusion

REPORT NO. : M9392

Page No. : 1 of 1

File No. : JL25RA

Date : JUL-29-1991

Oxides In % - Minor ppm

SAMPLE #	SiO2	Al2O3	Fe2O3	CaO	MgO	Na2O	K2O	TiO2	MnO	P2O5	Cr2O3	Zr	Y	Cu	Zn	Ni	Co	LOI	TOTAL
%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	%	%
NM04982	45.91	14.68	13.58	8.20	8.82	2.44	0.78	0.82	0.20	0.06	0.050	128	16	90	105	150	35	2.38	97.93
NM04983	54.72	18.96	8.57	2.60	3.09	4.96	3.16	0.91	0.21	0.30	0.010	220	24	55	65	30	25	2.56	100.06
NM04984	70.11	15.53	2.80	1.63	0.69	6.58	1.14	0.38	0.05	0.10	0.010	146	10	40	5	< 10	< 5	1.26	100.28
NM04985	69.27	14.63	4.29	1.51	1.12	3.53	2.58	0.38	0.08	0.10	0.005	138	12	60	45	10	10	1.82	99.31
NM04986	70.15	13.64	4.61	1.02	1.62	1.63	3.26	0.36	0.10	0.08	0.005	122	10	25	115	< 10	5	1.98	98.46
NM04987	58.03	18.86	6.69	3.41	1.77	5.06	1.98	0.93	0.16	0.20	0.005	184	12	65	55	40	20	2.24	99.35
NM04988	64.33	14.29	8.52	1.98	1.50	2.71	1.58	0.64	0.17	0.12	0.020	158	14	80	800	180	45	2.68	98.54
NM04989	79.01	10.45	3.03	0.81	0.70	3.61	1.10	0.31	0.08	0.08	0.010	124	10	65	150	20	20	0.98	100.15
NM04990	64.01	13.10	11.52	1.69	2.99	1.73	1.56	0.66	0.23	0.18	0.005	238	28	30	45	< 10	15	2.70	100.37
NM04991	70.84	15.30	2.61	1.53	0.57	5.92	1.84	0.18	0.04	0.08	0.005	100	< 2	45	15	10	10	1.13	100.04
NM04992	68.27	15.41	2.58	2.52	0.84	5.76	2.06	0.19	0.03	0.08	0.005	98	2	30	65	40	5	1.44	99.20
NM04993	69.19	15.43	1.91	1.82	0.48	5.82	2.24	0.15	0.02	0.08	0.005	122	< 2	30	135	40	< 5	0.87	98.00

MO6831	79.12	10.37	2.64	0.20	0.35	1.54	6.14	0.23	0.03	0.04	0.005	292	120	45	30	< 10	< 5	0.05	100.71
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11/91

SIGNED :



I.C.A.P. WHOLE ROCK ANALYSIS  
 Lithium Metaborate Fusion

SAMPLE #	SiO2 %	Al2O3 %	Fe2O3 %	CaO %	H2O %	Na2O %	K2O %	TiO2 %	MnO %	P2O5 %	Cr2O3 %	Zr ppm	Y ppm	Cu ppm	Zn ppm	Ni ppm	Co ppm	LOI %	TOTAL %
M06081	82.72	2.87	9.15	0.20	0.61	0.29	0.16	0.25	0.07	0.02	0.055	322	10	25	78	30	15	1.55	97.92
M06082	47.88	14.50	13.01	10.05	8.41	2.04	0.54	0.76	0.19	0.06	0.050	146	18	90	130	290	65	1.99	99.50
M06083	46.03	13.87	15.86	6.76	7.10	2.57	0.16	1.41	0.24	0.10	0.015	156	22	140	105	80	70	4.98	99.07
M06084	50.10	11.45	20.03	6.68	5.27	2.30	0.30	1.71	0.31	0.10	0.005	216	38	105	130	30	65	1.78	100.01
M06085	88.68	0.39	8.99	0.11	0.19	0.04	0.02	0.02	0.23	0.02	0.010	72	8	20	65	10	10	1.20	99.88
M06086	49.60	14.83	13.52	8.35	6.45	2.84	0.26	0.94	0.18	0.06	0.045	134	24	135	115	160	60	2.53	99.60
M06087	47.82	14.09	14.68	8.33	7.75	1.78	0.80	0.92	0.22	0.06	0.040	136	20	135	135	150	65	2.54	99.05
M06088	60.85	11.22	10.39	2.73	6.79	2.10	0.24	0.51	0.17	0.02	0.025	92	14	200	40	210	55	5.10	100.16
M06089	48.05	13.92	13.38	8.40	7.70	2.46	0.84	0.72	0.21	0.04	0.060	136	18	160	105	120	60	2.51	98.28
M06090	49.25	12.98	12.94	10.89	7.79	1.96	0.34	0.70	0.22	0.04	0.060	138	22	130	65	120	55	1.93	99.10

M06175	66.39	15.11	7.11	2.14	1.70	4.69	1.28	0.52	0.17	0.16	0.015	154	17	50	40	50	20	1.02	100.30
M06176	72.13	14.19	3.77	1.03	0.63	7.24	0.22	0.44	0.10	0.20	0.015	142	16	65	30	40	15	0.01	99.92
M06177	65.20	11.23	12.60	3.32	2.28	0.24	2.44	0.44	0.23	0.04	0.010	156	14	70	65	30	20	2.24	100.26
M06178	65.86	14.51	5.52	3.53	1.47	5.03	2.26	0.39	0.08	0.14	0.015	114	10	65	40	70	20	1.73	100.53
M06179	61.83	15.01	10.41	1.62	2.24	1.42	1.88	0.82	0.22	0.28	0.010	224	22	40	85	20	15	2.76	98.48
M06180	66.76	15.91	3.64	2.49	1.33	6.93	0.58	0.38	0.11	0.16	0.010	122	16	30	10	20	10	1.86	100.18
M06181	42.71	13.80	25.76	4.95	4.89	1.19	0.36	0.34	0.84	0.06	0.010	250	22	320	190	50	25	3.43	98.34
M06182	69.64	16.59	4.99	0.30	0.82	0.57	3.64	0.50	0.10	0.22	0.005	136	14	40	55	40	25	2.50	99.87
M06183	68.08	13.16	2.83	4.32	0.54	1.26	3.52	0.31	0.15	0.10	0.010	114	12	25	160	40	15	4.85	99.12
M06184	66.06	14.04	7.76	3.16	1.31	2.09	1.74	0.74	0.20	0.26	0.015	168	22	50	50	30	20	2.13	99.50
M06185	49.99	13.99	14.17	10.24	6.67	1.54	0.34	1.02	0.25	0.06	0.035	134	22	135	75	100	55	2.12	100.41

1/91

SIGNED :



FALCONBRIDGE  
 PROJ: 8118-8203

SWASTIKA, ONTARIO  
 P.O. BOX 10, SWASTIKA, ONTARIO  
 PHONE #: (705) - 642 - 3244 FAX #: (705) - 642 - 3300

LV-3709-RCL

I.C.A.P. WHOLE ROCK ANALYSIS  
 Lithium Metaborate Fusion

REPORT No. : M95b9  
 Page No. : 2 of 2  
 File No. : AU23RA  
 Date : AUG-27-1991  
 Oxides in % - Minor ppm

SAMPLE #	SiO2 %	Al2O3 %	Fe2O3 %	CaO %	MgO %	Na2O %	K2O %	TiO2 %	MnO %	P2O5 %	Cr2O3 %	Zr ppm	Y ppm	Cu ppm	Zn ppm	Ni ppm	Co ppm	LOI %	TOTAL %
AJ06186	59.04	15.60	6.02	4.97	1.41	1.56	4.18	1.79	0.14	0.26	0.025	168	26	25	90	150	55	4.79	99.79
AJ06187	60.05	15.86	6.36	1.25	4.04	2.02	5.38	0.74	0.09	0.20	0.025	152	20	30	80	80	30	2.95	98.97
AJ06188	48.66	12.61	16.12	7.93	6.41	2.70	0.58	1.13	0.25	0.08	0.005	174	30	120	105	40	65	1.60	98.06
AJ06189	47.41	14.24	15.46	11.98	6.38	1.10	0.36	0.87	0.25	0.12	0.050	132	22	1070	110	160	65	2.11	100.32
AJ06190	49.70	13.71	14.68	7.70	5.37	2.18	0.16	1.36	0.23	0.10	0.015	154	26	190	125	70	60	5.01	100.20
AJ06191	49.26	13.75	16.39	3.25	5.44	2.19	0.20	1.38	0.19	0.12	0.010	188	26	110	125	50	55	6.30	98.48
AJ06192	46.88	12.74	14.21	6.72	5.25	2.37	0.14	1.28	0.25	0.10	0.005	176	26	100	140	60	60	8.56	98.49
AJ06193	34.11	19.78	20.24	2.70	11.41	1.23	1.34	1.29	0.30	0.10	0.070	184	32	5	210	180	90	7.14	99.73

I.C.A.P. WHOLE ROCK ANALYSIS

Lithium Metaborate Fusion

PROJ: 8203-8210

REPORT No. : 1 of 1  
Page No. : 1 of 1  
File No. : OC30RA  
Date : NOV-04-1991  
Oxides In % - Minors ppm

SAMPLE #	SiO2	Al2O3	Fe2O3	CaO	MgO	Na2O	K2O	TiO2	MnO	P2O5	Cr2O3	Zr	Cu	Ni	Co	LOI
06455	45.75	15.20	13.20	8.89	6.73	2.75	0.58	0.93	0.20	0.12	0.040	122	215	210	50	6.18
06456	75.12	15.45	2.33	1.11	0.67	0.92	1.92	0.45	0.04	0.18	0.070	136	20	80	10	2.55
06457	47.48	15.00	12.71	9.08	8.41	2.29	0.82	0.72	0.24	0.08	0.065	142	115	250	50	2.75
06458	49.57	14.28	12.28	10.69	8.74	1.64	0.52	0.67	0.20	0.10	0.100	144	110	160	45	1.73
06459	49.12	14.31	13.08	10.45	8.22	1.74	0.20	0.68	0.20	0.10	0.055	116	110	130	45	2.35
06460	46.82	14.17	12.44	11.19	5.64	1.22	0.04	1.02	0.18	0.12	0.045	170	60	140	50	8.10
06461	48.82	13.92	12.78	7.40	7.01	3.61	0.32	0.77	0.22	0.10	0.045	160	90	160	45	3.38
06462	47.95	15.47	13.00	7.87	6.83	2.32	0.40	0.87	0.19	0.10	0.055	154	85	150	50	5.18
06463	49.83	15.06	13.25	7.94	7.57	2.67	0.82	0.82	0.19	0.10	0.045	144	150	140	45	2.30
06464	48.03	16.45	12.75	7.97	5.67	3.01	0.06	1.03	0.19	0.10	0.055	140	85	210	55	5.11
06465	46.54	15.85	10.38	8.22	4.61	3.53	0.26	0.84	0.17	0.10	0.045	140	125	130	55	8.51

I.C.A.P. WHOLE ROCK ANALYSIS  
Lithium Metaborate Fusion

REPORT No. : M9692  
Page No. : 1 of 3  
File No. : 5E09R  
Date : SEP-11-1991  
Oxides in % - Minors ppm

SAMPLE #	SiO2 %	Al2O3 %	Fe2O3 %	CaO %	MgO %	Mn2O %	K2O %	TI02 %	MnO %	P2O5 %	Cr2O3 %	Zr ppm	Y ppm	Cu ppm	Zn ppm	Ni ppm	Co ppm	LOI %	TOTAL %
AM6576	72.01	14.43	1.77	0.96	0.61	4.97	3.52	0.15	0.02	0.10	0.045	106	6	10	30	10	15	0.80	99.38
AM6577	69.35	2.04	20.32	2.31	2.52	0.13	0.10	0.07	0.24	0.02	0.180	166	16	75	210	10	20	0.66	97.92
AM6578	70.40	14.67	4.33	0.52	1.36	5.92	1.14	0.15	0.06	0.08	0.040	124	2	15	25	10	20	1.34	100.31
AM6579	49.50	14.34	11.79	10.86	6.75	2.36	0.84	0.72	0.23	0.04	0.080	136	18	130	255	140	50	2.42	99.95
AM6580	51.04	13.72	13.06	9.33	7.47	2.59	0.60	0.81	0.22	0.04	0.050	150	20	130	75	80	50	1.49	100.41
AM6581	45.12	13.82	14.73	11.15	7.83	1.83	1.06	0.84	0.28	0.16	0.040	182	24	75	110	140	50	3.37	100.23
AM6582	61.60	0.42	32.65	0.91	3.27	0.06	0.08	0.03	0.52	0.02	0.020	208	14	40	595	10	10	0.01	99.31
AM6583	39.19	6.72	25.04	7.24	12.45	0.38	0.54	0.79	0.18	0.02	0.575	216	6	180	230	640	110	5.57	98.63
AM6584	90.88	0.30	4.39	2.62	1.05	0.02	0.04	0.01	0.05	0.02	0.080	62	4	25	48	40	30	1.04	100.16
AM6585	77.05	12.34	7.42	1.21	0.61	5.19	2.02	0.13	0.03	0.08	0.050	112	2	35	30	10	10	0.67	100.79
AM6586	87.25	0.45	7.42	0.28	0.36	0.07	0.06	0.02	0.03	0.02	0.100	66	4	410	60	10	95	3.48	99.50
AM6587	72.57	0.10	21.36	0.74	0.80	0.01	0.02	0.01	0.20	0.02	0.065	156	12	855	60	80	30	1.77	97.62
AM6588	58.63	15.24	7.36	7.00	4.94	3.17	0.72	0.83	0.12	0.08	0.110	124	22	105	105	170	60	1.78	99.98
AM6589	47.59	9.34	30.39	0.18	3.45	0.06	0.12	0.47	0.21	0.02	0.065	260	20	90	250	30	15	8.87	100.75
AM6590	76.88	0.27	18.06	0.08	0.54	0.01	0.02	0.02	0.45	0.02	0.045	124	8	20	25	10	20	4.25	100.55
AM6591	48.68	14.94	13.98	7.84	7.72	3.13	0.58	0.91	0.21	0.06	0.045	178	22	90	95	140	50	2.40	100.50
AM6592	47.64	15.40	11.58	7.57	5.11	3.29	0.06	0.86	0.21	0.08	0.045	144	20	115	75	140	50	6.93	98.77
AM6593	45.41	20.78	13.76	1.42	4.99	0.31	8.12	1.02	0.12	0.08	0.075	164	30	10	75	180	65	4.47	100.57
AM6594	87.52	0.11	10.74	0.05	0.05	0.02	0.02	0.01	0.07	0.02	0.015	100	6	10	5	10	10	1.86	100.46
AM6595	49.29	14.28	10.15	8.44	4.72	1.98	0.70	0.78	0.18	0.06	0.075	160	22	90	65	110	50	7.78	98.44
AM6596	49.04	15.06	10.06	7.00	4.54	0.94	1.80	0.82	0.15	0.08	0.080	148	18	110	50	200	80	8.65	98.22
AM6597	85.77	0.41	11.81	0.26	0.96	0.04	0.04	0.02	0.47	0.02	0.050	86	8	10	10	20	25	0.96	100.75
AM6598	47.98	15.05	12.56	8.76	7.60	1.75	0.28	0.84	0.24	0.08	0.095	178	26	125	100	200	75	3.06	98.29
AM6599	53.64	13.20	11.62	7.94	7.67	3.64	0.28	0.67	0.20	0.02	0.070	122	16	75	115	100	45	1.57	100.52
AM6600	47.66	13.85	11.91	11.35	7.18	1.91	0.58	0.68	0.21	0.04	0.060	122	18	110	90	90	50	3.58	99.01
AM6601	75.42	12.67	2.26	1.30	0.55	0.08	4.92	0.30	0.05	0.08	0.035	174	16	10	25	20	15	2.30	99.97
AM6602	64.95	0.18	30.71	0.06	2.19	0.02	0.06	0.01	0.92	0.02	0.035	226	10	5	105	10	10	0.75	99.88
AM6603	71.86	14.71	2.48	0.90	1.01	6.00	2.28	0.21	0.04	0.08	0.050	130	8	20	20	30	30	0.94	100.56

SIGNED : 



SWASTIKA LABORATORIES

P.O. BOX 10 SWASTIKA, ONTARIO

PHONE #: (705) - 642 - 3244 FAX #: (705) - 642 - 3300

I.C.A.P. WHOLE ROCK ANALYSIS

Lithium Metaborate Fusion

REPORT No. : M9622

Page No. : 2 of 3

File No. : 8209R

Date : SEP-11-1991

Oxides in % - Minors ppm

SAMPLE #	SiO2 %	Al2O3 %	Fe2O3 %	CaO %	MgO %	Na2O %	K2O %	TiO2 %	MnO %	P2O5 %	Cr2O3 %	Zr ppm	Y ppm	Cu ppm	Zn ppm	Ni ppm	Co ppm	LOI %	TOTAL %
M9622-1	68.83	16.78	2.12	1.37	0.82	6.91	2.08	0.23	0.03	0.10	0.070	126	4	5	30	10	15	1.06	100.40
M9619-4	60.53	14.06	9.47	0.76	4.61	1.45	3.98	0.83	0.12	0.12	0.045	160	12	45	50	40	40	3.62	99.59
M9620-4	68.76	11.10	8.24	0.43	4.17	1.58	1.64	0.34	0.14	0.14	0.040	186	14	60	290	10	10	2.95	99.56
M9621-4	71.20	14.43	2.08	1.23	0.83	6.16	1.84	0.19	0.04	0.08	0.045	92	4	25	265	10	10	1.33	99.44
M9622-4	68.48	12.31	9.04	0.35	2.39	1.08	2.62	0.38	0.11	0.10	0.080	162	10	205	615	20	30	3.45	100.38
M9623-4	51.26	13.52	11.96	8.72	7.46	3.26	0.76	0.80	0.22	0.06	0.055	138	16	175	135	100	45	1.77	99.82
M9624-4	70.18	0.63	5.96	7.16	0.43	0.06	0.02	0.02	0.07	0.02	0.180	84	8	275	23760	20	30	4.72	89.40
M9625-4	48.29	14.22	12.86	9.98	7.37	2.39	0.40	0.81	0.22	0.06	0.055	132	20	205	220	120	55	2.30	98.94
M9626-4	50.72	14.41	12.29	9.05	6.70	3.17	0.94	0.84	0.22	0.06	0.058	128	20	155	85	130	85	2.48	100.93
M9627-4	52.01	13.94	12.34	6.77	7.37	3.34	0.56	0.85	0.22	0.06	0.070	118	16	135	155	130	50	2.81	100.34
M9628-4	46.57	14.55	12.05	8.05	6.66	2.20	0.52	0.80	0.20	0.08	0.045	142	22	165	100	120	50	8.16	99.88
M9629-4	46.21	15.35	13.93	11.51	7.18	1.36	0.28	0.89	0.23	0.06	0.070	146	22	175	90	140	50	2.87	99.95
M9630-4	47.17	17.23	18.01	1.29	6.75	0.56	1.14	0.98	0.39	0.06	0.085	174	16	95	145	160	65	5.87	99.49
M9631-4	45.79	14.72	13.26	7.27	6.29	1.39	0.68	0.83	0.22	0.06	0.045	154	20	130	95	120	55	8.60	99.16
M9632-4	48.02	14.97	11.62	10.30	4.79	2.28	0.18	0.85	0.22	0.06	0.050	106	18	155	80	130	55	6.49	99.82
M9633-4	44.83	16.27	11.59	7.43	4.78	3.83	0.42	0.90	0.18	0.08	0.060	120	18	160	90	130	55	8.80	99.16
M9634-4	48.17	15.38	12.34	11.36	5.22	1.77	0.22	0.83	0.22	0.08	0.065	128	20	190	95	140	55	3.81	99.46
M9635-4	48.77	14.84	12.77	8.50	7.93	3.10	0.34	0.82	0.21	0.08	0.050	120	20	175	85	120	55	2.60	100.01
M9636-4	44.94	14.50	12.52	8.22	9.25	1.86	0.50	0.74	0.19	0.06	0.040	134	14	190	105	210	60	5.31	98.12
M9637-4	47.51	14.16	12.95	6.51	6.67	3.42	0.40	0.97	0.24	0.06	0.040	142	18	165	100	70	50	7.18	100.12
M9638-4	49.68	15.23	11.97	10.55	6.47	1.60	0.36	0.75	0.24	0.06	0.080	132	18	165	100	130	55	2.66	99.63

SIGNED :

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14-3851-R01

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I.C.A.P. WHOLE ROCK ANALYSIS

Lithium Metaborate Fusion

REPORT No. : M9692

Page No. : 3 of 3

File No. : 8E09R

Date : SEP-11-1991

Oxides in % - Minors ppm

SAMPLE #	SiO2 %	Al2O3 %	Fe2O3 %	CaO %	MgO %	Na2O %	K2O %	TiO2 %	MnO %	P2O5 %	Cr2O3 %	Zr ppm	Y ppm	Cu ppm	Zn ppm	Ni ppm	Co ppm	LOI %	TOTAL %
50.43	14.77	10.97	10.19	7.24	1.91	0.76	0.75	0.21	0.06	0.075	138	16	130	180	120	50	1.94	99.28	

11/91

SIGNED :



Information collected on this form is obtained under the authority of the Mining Act. The collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, 100 Queen Street West, Toronto, Ontario, P3E 6A5, telephone (705) 670-7284.



900

- Instructions:**
- Please type or print and submit in duplicate.
  - Refer to the Mining Act and Regulations for requirements.
  - 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) <b>FALCONBRIDGE LTD</b>	Client No. <b>130679</b>
Address <b>P.O. BOX 1140 571 MONETA AVE TIMMINS ONT.</b>	Telephone No. <b>705-267-1188</b>
Mining Division <b>PORCUPINE</b>	Township/Area <b>CUNNINGHAM</b>
Dates Work Performed From: <b>JULY 1 / 91</b> To: <b>OCT 1 / 91</b>	

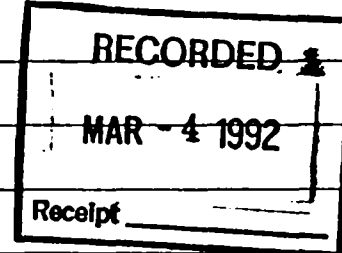
**Work Performed (Check One Work Group Only)**

Work Group	Type
Geotechnical Survey	<b>GEOLOGICAL MAPPING LITHOGEOCHEMICAL SURVEY</b>
Physical Work, Including Drilling	
Rehabilitation	
Other Authorized Work	
Assays	
Assignment from Reserve	

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**MAY 27 1992**

**MINING LANDS BRANCH**



ROUNDED TO NEAREST DOLLAR

Total Assessment Work Claimed on the Attached Statement of Costs \$ **32,903.00**

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
<b>PETER HARVEY</b>	<b>P.O. BOX 1555 149 BLOOR ST SOUTH PORCUPINE ONT P0H 1H0</b>
<b>MAURICE HOULE</b>	
<b>DAVID TRUSCOTT</b>	
<b>CHRIS ROUSSAIN</b>	

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	Recorded Holder or Agent (Signature) <b>Ken Jeffery</b>
------	--

**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 report is true.

Name and Address of Person Certifying  
**Bruce Jeffery 571 Moneta Ave. Box 1140 Timmins Ont. P4N 7H9**

Telephone No. <b>267-1188</b>	Date	Certified By (Signature) <b>Ken Jeffery</b>
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**For Office Use Only**

<b>32,903.00</b>	Date Recorded <b>MARCH 4 / 92</b>	Mining Recorder <b>[Signature]</b>	Received Stamp <b>APR 16 1992</b>
	Deemed Approval Date <b>JUNE 2 / 92</b>	Date Approved <b>[Signature]</b>	<b>LOIS [Signature]</b>
	Date Notice for Amendments Sent <b>April 13<sup>th</sup> / 92</b>		

	Work Report Number for Applying Receive	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
Total Number of Claims	SEE ATTACHED		SHEET (S)				
Total Value Work Done							
Total Value							
Total Assignment							

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MINING LANDS BRANCH

edits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to prioritize the deletion of credits. Please mark (✓) one of the following:

Credits are to be cut back starting with the claim listed last, working backwards.

Credits are to be cut back equally over all claims contained in this report of work.

Credits are to be cut back as prioritized on the attached appendix.

the event that you have not specified your choice of priority, option one will be implemented.

1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

2: If work has been performed on patented or leased land, please complete the following:

certify that the recorded holder had a beneficial interest in the patented leased land at the time the work was performed.	Signature 	Date
--	---------------	------

Claim Number	type	Claim Units	Description of Work	Assessment Credits To Date (\$)	Value of Assessment Done on this Claim	Value of Assessment Applied to this Claim	Value of Assessment Assigned from this Claim	Reserve Added From This work
116466	L	1	Geological Mapping, Sampling	4400	1371	0	0	1371
116467	L	1	Geological Mapping, Sampling	4400	1371	0	0	1371
116468	L	1	Geological Mapping, Sampling	4400	1371	0	0	1371
116469	L	1	Geological Mapping, Sampling	4400	1371	0	0	1371
641188	U*	1	Geological Mapping, Sampling	4400	1371	0	0	1371
641189	U*	1	Geological Mapping, Sampling	4400	1371	0	0	1371
641190	U*	1	Geological Mapping, Sampling	4400	1371	0	0	1371
641191	U*	1	Geological Mapping, Sampling	4400	1371	0	0	1371
641192	U*	1	Geological Mapping, Sampling	4400	1371	0	0	1371
641193	U*	1	Geological Mapping, Sampling	4400	1371	0	0	1371
641352	U*	1	Geological Mapping, Sampling	4400	1371	0	0	1371
1131998	U	1	Geological Mapping, Sampling	260	1371	540	0	831
1131999	U	1	Geological Mapping, Sampling	80	1371	320	0	1051
1132000	U	1	Geological Mapping, Sampling	80	1371	320	0	1051
1132001	U	1	Geological Mapping, Sampling	80	1371	320	0	1051
1132002	U	1	Geological Mapping, Sampling	80	1371	320	0	1051
1132003	U	1	Geological Mapping, Sampling	80	1371	320	0	1051
1132004	U	1	Geological Mapping, Sampling	80	1371	320	0	1051
1132005	U	1	Geological Mapping, Sampling	80	1371	320	0	1051
1132006	U	1	Geological Mapping, Sampling	80	1371	320	0	1051
1132007	U	1	Geological Mapping, Sampling	80	1371	320	0	1051
1132287	U	1	Geological Mapping, Sampling	80	1371	320	0	1051
1132288	U	1	Geological Mapping, Sampling	80	1371	320	0	1051
1132289	U	1	Geological Mapping, Sampling	80	1371	320	0	1051
24 Total				32020	32904	4380	0	\$ 28524

Notes: -Cost Breakdown as follows;

Amount claimed as Assessment Dollars (see Statement of Costs)	\$ 32903
Work Value per claim (total 24)	\$ 1371

Valeur des travaux d'évaluation exécutés sur ce claim																			Valeur totale des travaux exécutés
---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	------------------------------------

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Nombre d'unités																				Nombre total de claims
Numéro de rapport sur les travaux exécutés pour l'affectation de la réserve																				

MAY 27 1992  
MINING LANDS BRANCH

ATTACHMENT TO W-92600026

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<sup>e</sup> 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	10992	
	Field Supervision Supervision sur le terrain	8778	19770
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type DRAFTING CHARGES	3210	
			3210
Supplies Used Fournitures utilisées	Type ASSAYS GEOCHEM	4440	
			4440
Equipment Rental Location de matériel	Type MAR - 4 1992		
	Receipt		8000
Total Direct Costs Total des coûts directs			27419

RECORDED  
MAR - 4 1992  
Receipt

ROUNDING COSTS ERROR.

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.

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 RECEIVED		
	MAY 27 1992		
	MINING LANDS BRANCH		
Food and Lodging Nourriture et hébergement	ROOM & BOARD & TRUCK RENTAL	8566	8566
Mobilization and Demobilization Mobilisation et démoblisation			
Sub Total of Indirect Costs Total partiel des coûts indirects			8566
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)			5484
Total Value of Assessment Credit (Total of Direct and Allowable indirect costs) Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)			32903

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	Évaluation 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 Senior Geologist I am authorized (Recorded Holder, Agent, 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. Jeffrey Date \_\_\_\_\_

Report of Work Conducted After Recording Claim

Transaction Number *Assessment*  
**W9260.00027**

Mining ~~AMENDMENT~~ **AMENDMENT TO W9260.00027**

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions about this collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Fourth Floor, 159 Cedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.

- 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) <b>FALLOUBRIDGE LTD.</b>		Client No. <b>130679</b>
Address <b>PO BOX 1140 571 MONETA AVE TIMMINI ONT</b>		Telephone No. <b>(705) 267-1188</b>
Mining Division <b>PORCUPINE</b>	Township/Area <b>CUNNINGHAM TWP.</b>	M or G Plan No.
Dates Work Performed From: <b>MAY 27/91</b> To: <b>JUNE 12/91</b>		

Work Performed (Check One Work Group Only) *as per attached*

Work Group	Type	
Geotechnical Survey		
Physical Work, Including Drilling	<b>DIAMOND DRILLING (5 HOLES)</b>	
Rehabilitation		
Other Authorized Work		
Assays	<b>GEOCHEMISTRY OF CORE</b>	<i>SEE W9260.00026</i>
Assignment from Reserve		<b>\$40,985</b>

ONTARIO GEOLOGICAL SURVEY  
GIS - ASSESSMENT FILES  
JUN 16 1992  
**RECEIVED**

Total Assessment Work Claimed on the Attached Statement of Costs \$ **63,569** (*SEE ATTACHED CHART*)

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
<b>NOREX DRILLING LTD.</b>	<b>PO BOX 88 PORCUPINE ONT P0N 1C0</b>

RECORDED  
MAR - 4 1992  
Receipt \_\_\_\_\_

(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 <b>Feb. 5/92</b>	Recorded Holder or Agent (Signature) <i>Ken Jeffery</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 report is true.		
Name and Address of Person Certifying <b>Bruce D. Jeffery, Box 1140, 571 Moneta Ave. Timmins Ont. P4N 7H9</b>		
Telephone No. <b>267-1188</b>	Date <b>Feb. 5/92</b>	Certified By (Signature) <i>Ken Jeffery</i>

For Office Use Only

<b>\$ 40,985</b>	Total Value Cr. Recorded	Date Recorded <b>MAR. 4<sup>th</sup> 1992</b>	Mining Recorder <i>Bl Whit</i>	Received Stamp <b>MAR 4 1992</b> 9:10
	Deemed Approval Date <b>JUNE 2/92</b>	Date Approved		
	Date Notice for Amendments Sent			

Number	Units	Description of Work	Value of Assessment Done on this Claim	Value of Assessment Applied to this Claim	Value of Assessment Assigned from this Claim	Reserve To be Applied At a Future Date
116466	L	1	0	0	0	0
116467	L	1	0	0	0	0
116468	L	1	0	0	0	0
116469	L	1 DDH Cu-32-01 to Cu-32-03	<del>23452</del> 20802	0	0	<del>23452</del> 20,802
641188	U	1	0	0	0	0
641189	U	1	0	0	0	0
641190	U	1	0	0	0	0
641191	U	1	0	0	0	0
641192	U	1	0	0	0	0
641193	U	1	0	0	0	0
641352	U	1	0	0	0	0
1131998	U	1	0	0	0	0
1131999	U	1	0	0	0	0
1132000	U	1	0	0	0	0
1132001	U	1	0	0	0	0
1132002	U	1	0	0	0	0
1132003	U	1	0	0	0	0
1132004	U	1 DDH Cu-31-02	<del>12027</del> 10668	0	0	<del>12027</del> 10,668
1132005	U	1	0	0	0	0
1132006	U	1	0	0	0	0
1132007	U	1	0	0	0	0
1132287	U	1	0	0	0	0
1132288	U	1	0	0	0	0
1132289	U	1 DDH Cu-31-01	<del>10738</del> 9515	0	0	<del>10738</del> 9515
24		Total	46216	0	0	<del>46216</del> 40,985

S 231

AMENDMENT TO  
W 9260.00027

P2

*[Handwritten Signature]*





FOR ASSESSMENT CREDIT  
État des coûts aux fins  
du crédit d'évaluation

Transaction No./N° de transaction  
W9260.00027 (Drilling)  
↓  
W9260.00036  
(GCHEN)

Mining Act/Loi sur les mines

APPENDIX TO W9260.00027

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<sup>e</sup> 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'œuvre		
	Field Supervision Supervision sur le terrain	10 319	7502
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert- conseil	Type DRILLING	39537	28713
	GCHEN	7195	5231
Supplies Used Fournitures utilisées	Type		
Equipment Rental Location de matériel	Type		
<b>Total Direct Costs Total des coûts directs</b>			<b>41476</b>

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		
Food and Lodging Nourriture et hébergement	TRUCK RENTAL CODGING	6518	4740
Mobilization and Demobilization Mobilisation et démobilisation			
<b>Sub Total of Indirect Costs Total partiel des coûts indirects</b>			<b>4740</b>
<b>Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)</b>			<b>4740</b>
<b>Total Value of Assessment Credit (Total of Direct and Allowable indirect costs)</b>			<b>46216</b>

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

- Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
- 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

- Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
- 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	Évaluation 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 \_\_\_\_\_ I am authorized  
(Recorded Holder, Agent, 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 \_\_\_\_\_ Date  
MAY 26/92

~~W9260.00027~~  
(ECHA) W9260.00036

Assessment Cost Sheet PN8203 Peter Lake Option

Cost Breakdown as follows;

Cost per metre \$ 63,569/740 metres \$ 85.90

From Mining Act Section 7.(4)

1 claim unit (400m X 400m) is 16 hectares

Maximum value of assessment work that may be assigned from a leased claim \$ 750.00 per hectare

Maximum value allowable that may be assigned from leased claim P116469 \$12,000

Can only claim DDH costs on Patented or Leased Claims on or after June 3, 1991

Note: Drilling was carried out as follows.

DDH-31-01	06\08\91 to 06\10\91	in claim 1132289	
DDH-31-02	06\11\91 to 06\14\91	in claim 1132004	
DDH-32-01	05\28\91 to 05\30\91	in claim 116469	Cannot claim costs prior to June 3, 1991
DDH-32-02	05\30\91 to 06\05\91	in claim 116469	Hole was approximately half completed by June 3, 1991
DDH-32-03	06\05\91 to 06\07\91	in claim 116469	

Total drilling costs to be claimed for assessment

DDH-31-01	125 metres (all of 125m)	\$ 10738
DDH-31-02	140 metres (all of 140m)	\$ 12027
DDH-32-01	125 metres (none of 125m)	\$ 0
DDH-32-02	154 metres (1/2 of 154m)	\$ 6615
DDH-32-03	196 metres (all of 196m)	\$ 16837
Total Metres	740	Total Claimed \$ 46216

Total allowable costs to be claimed (per Claim)

Total for claim 116469	\$ 23452
Total for claim 1132004	\$ 12027
Total for claim 1132289	\$ 10738

Total Claimed

\$ 46216

*W. J. ...*  
\$ (40,985 + 5,231 (ECHA))

AMENDMENT TO W9260.00027 P1

*W. J. ...*

RECORDED  
MAR - 4 1992  
Receipt \_\_\_\_\_

Information collected on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions about this collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Fourth Floor, 159 Cedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.

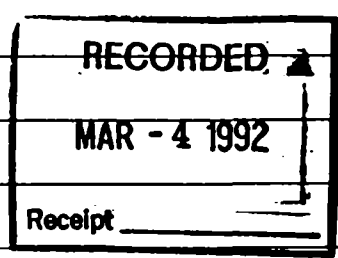
2.14596

- 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) FALCONBRIDGE LTD		Client No. 130679
Address PO BOX 1140 571 MONETA AVE TIMMINOON ONT.		Telephone No. 705 267 1188
Mining Division PORCUPINE	Township/Area CUNNINGHAM TWP	M or G Plan No.
Dates Work Performed From: MAY 27/92		To: JUN 12/92

Work Performed (Check One Work Group Only)

Work Group	Type
Geotechnical Survey	GEOCHEMISTRY
Physical Work, Including Drilling	RECEIVED
Rehabilitation	MAY 27 1992
Other Authorized Work	MINING LANDS BRANCH
Assays	
Assignment from Reserve	



Total Assessment Work Claimed on the Attached Statement of Costs \$ 5231 (SEE COST SHEET)

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
P. MARLEY D. TRASCOTT	PO BOX 1140 571 MONETA AVE TIMMINOON ONT.

(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 MAY 26/92	Recorded Holder or Agent (Signature) M. J. [Signature]
--	-------------------	---

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 report is true.		
Name and Address of Person Certifying		
Telephone No. 267 1188	Date MAY 26/92	Certified By (Signature) M. J. [Signature]

For Office Use Only

Total Value Cr. Recorded 5231	Date Reported MAR. 4/92	Mining Recorder [Signature]	Received Stamp RECORDED MAR - 4 1992 Receipt
	Deemed Approval Date JUNE 2/92	Date Approved	
	Date Notice for Amendments Sent		

(0001)

Work Report Number Applying for Reserve	Claim Number (see Note 2)	Number of Claim Units
1	116466	1
	116467	1
	116468	1
	116469	1
	641188	1
	641189	1
	641190	1
	641191	1
	641192	1
	641193	1
	641352	1
	1131998	1
	1131999	1
	1132000	1
	1132001	1
	1132002	1
	1132003	1
Total Number of Claims		

Total Value Work Done	Value of Assessment Work Done on this Claim	Value Applied to this Claim
1	0	NIL
	0	
	0	
	0	
	0	
	0	
	0	
	0	
	0	
	0	
	0	
	0	
	0	
	0	
	0	
	0	
	0	
	0	
	0	
Total Value Work Done		

Total Assigned From	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date	Total Reserve
	NIL	NIL	
Total Assigned From			2650

RECEIVED  
MAY 27 1992  
MINING LANDS BRANCH

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to prioritize the deletion of credits. Please mark (✓) one of the following:

- Credits are to be cut back starting with the claim listed last, working backwards.
- Credits are to be cut back equally over all claims contained in this report of work.
- Credits are to be cut back as prioritized on the attached appendix.

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.	Signature <i>[Signature]</i>	Date MAY 26/92
---	---------------------------------	-------------------



STATEMENT OF COSTS  
for Assessment Credit  
État des coûts aux fins  
du crédit d'évaluation

Transaction No./N° de transaction  
W 9260.00027

4  
W 9260.00036

Mining Act/Loi sur les mines

AMENDMENT TO W 9260.00027

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 to determine the 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 E 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<sup>e</sup> étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre		
	Field Supervision Supervision sur le terrain	10319	7502
Contractor's and Consultant's Fees Frais de l'entrepreneur et de l'expert- conseil	Type DRILLING	39537	28713
	GEOCHEM	7195	5231
Supplies Used Fournitures utilisées	Type		
	<div style="border: 2px solid black; padding: 5px; width: fit-content; margin: auto;"> <p>RECORDED</p> <p>MAR - 4 1992</p> <p>Receipt</p> </div>		
Equipment Material Location de matériel	Type		
	<div style="border: 2px solid black; padding: 5px; width: fit-content; margin: auto;"> <p>RECEIVED</p> <p>MAY 27 1992</p> </div>		
Total Direct Costs Total des coûts directs			41476

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		
	<div style="border: 2px solid black; padding: 5px; width: fit-content; margin: auto;"> <p>W 9260.00036</p> </div>		
Food and Lodging Nourriture et hébergement	TRUCK RENTAL LODGING	6518	4740
Mobilization and Demobilization Mobilisation et démobilisation			
Sub Total of Indirect Costs Total partiel des coûts indirects			4740
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)			4740
Total Value of Assessment Credit (Total of Direct and Allowable Indirect costs)			46216

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.

Timing Discounts

Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.

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

- Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
- 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	Évaluation 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 in the accompanying Report of Work form.

I, as \_\_\_\_\_, I am authorized  
(Recorded Holder, Agent, Position in Company)

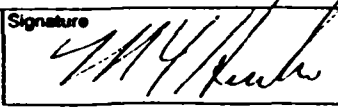
to make this certification

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)

to make this attestation.

Signature 	Date MAY 26/92
--	-------------------

Assess: Cost Sheet PNB203 Peter Lake Option

Cost breakdown as follows;

Cost per metre \$ 63,569/740 metres \$ 85.90

From Mining Act Section 7.(4)

1 claim unit (400m X 400m) is 16 hectares

Maximum value of assessment work that may be assigned from a leased claim \$ 750.00 per hectare

Maximum value allowable that may be assigned from leased claim P116469 \$12,000

Can only claim DDH costs on Patented or Leased Claims on or after June 3, 1991

Note: Drilling was carried out as follows.

DDH-31-01	06\08\91 to 06\10\91	in claim 1132289	
DDH-31-02	06\11\91 to 06\14\91	in claim 1132004	
DDH-32-01	05\28\91 to 05\30\91	in claim 116469	Cannot claim costs prior to June 3, 1991
DDH-32-02	05\30\91 to 06\05\91	in claim 116469	Hole was approximately half completed by June 3, 1991
DDH-32-03	06\05\91 to 06\07\91	in claim 116469	

Total drilling costs to be claimed for assessment

DDH-31-01	125 metres (all of 125m)	\$ 10738
DDH-31-02	140 metres (all of 140m)	\$ 12027
DDH-32-01	125 metres (none of 125m)	\$ 0
DDH-32-02	154 metres (1/2 of 154m)	\$ 6615
DDH-32-03	196 metres (all of 196m)	\$ 16837
<b>Total Metres</b>	<b>740</b>	<b>Total Claimed \$ 46216</b>

Total allowable costs to be claimed (per Claim)

Total for claim 116469	\$ 23452
Total for claim 1132004	\$ 12027
Total for claim 1132289	\$ 10738

Total Claimed

\$ 46216

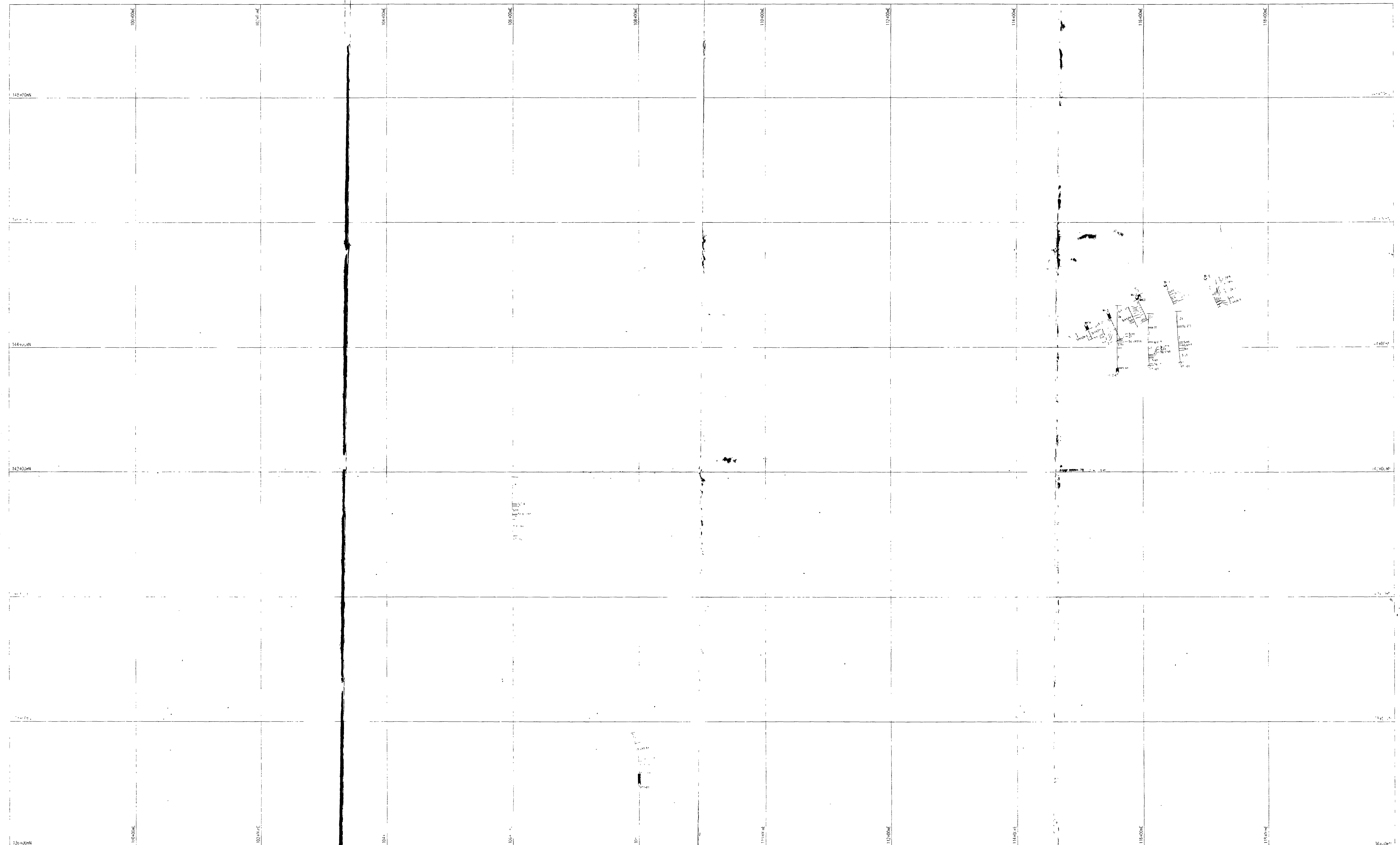
*(40,985 + 5,231 (extra))*

*AMENDMENT TO W9260.00027 P1*

RECORDED  
MAR - 4 1992  
Receipt \_\_\_\_\_

RECEIVED  
MAY 27 1992  
MINING LANDS BRANCH





**Geology**

- LEGEND**
- MAJOR ROCK DIVISIONS**
- 10 DIABASE
  - 9 INTERMEDIATE INTRUSIVE ROCKS
  - 8 MAFIC INTRUSIVE ROCKS
  - 6 ULTRAMAFIC INTRUSIVE ROCKS
  - 5 SEDIMENTARY ROCKS
  - 4 FELTIC VOLCANIC ROCKS
  - 3 INTERMEDIATE VOLCANIC ROCKS
  - 2 MAFIC VOLCANIC ROCKS
  - 1 ULTRAMAFIC VOLCANIC ROCKS
- TEXTURAL/GEOCHEMICAL MODIFIER**
- 0 Fine Grained
  - 1 Medium Grained
  - 2 Coarse Grained
  - 3 Quartz-Feldspar Phic
  - 4 Amphibole/Pyroxene
  - 5 Plagioclase/Anorthite
  - 6 Pyroxene/Anorthite
  - 7 Amphibole/Pyroxene
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  - 78 Amphibole/Pyroxene
  - 79 Amphibole/Pyroxene
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  - 90 Amphibole/Pyroxene
  - 91 Amphibole/Pyroxene
  - 92 Amphibole/Pyroxene
  - 93 Amphibole/Pyroxene
  - 94 Amphibole/Pyroxene
  - 95 Amphibole/Pyroxene
  - 96 Amphibole/Pyroxene
  - 97 Amphibole/Pyroxene
  - 98 Amphibole/Pyroxene
  - 99 Amphibole/Pyroxene
- ALTERATION MINERALOGY**
- 01 Actinolite
  - 02 Actinolite
  - 03 Actinolite
  - 04 Actinolite
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  - 94 Actinolite
  - 95 Actinolite
  - 96 Actinolite
  - 97 Actinolite
  - 98 Actinolite
  - 99 Actinolite
- Cu > 200 ppm  
 Zn > 500 ppm  
 Au > 2500 ppb  
 Ag > 1.4 ppm  
 Pb > 75 ppm

for original see 2.14596

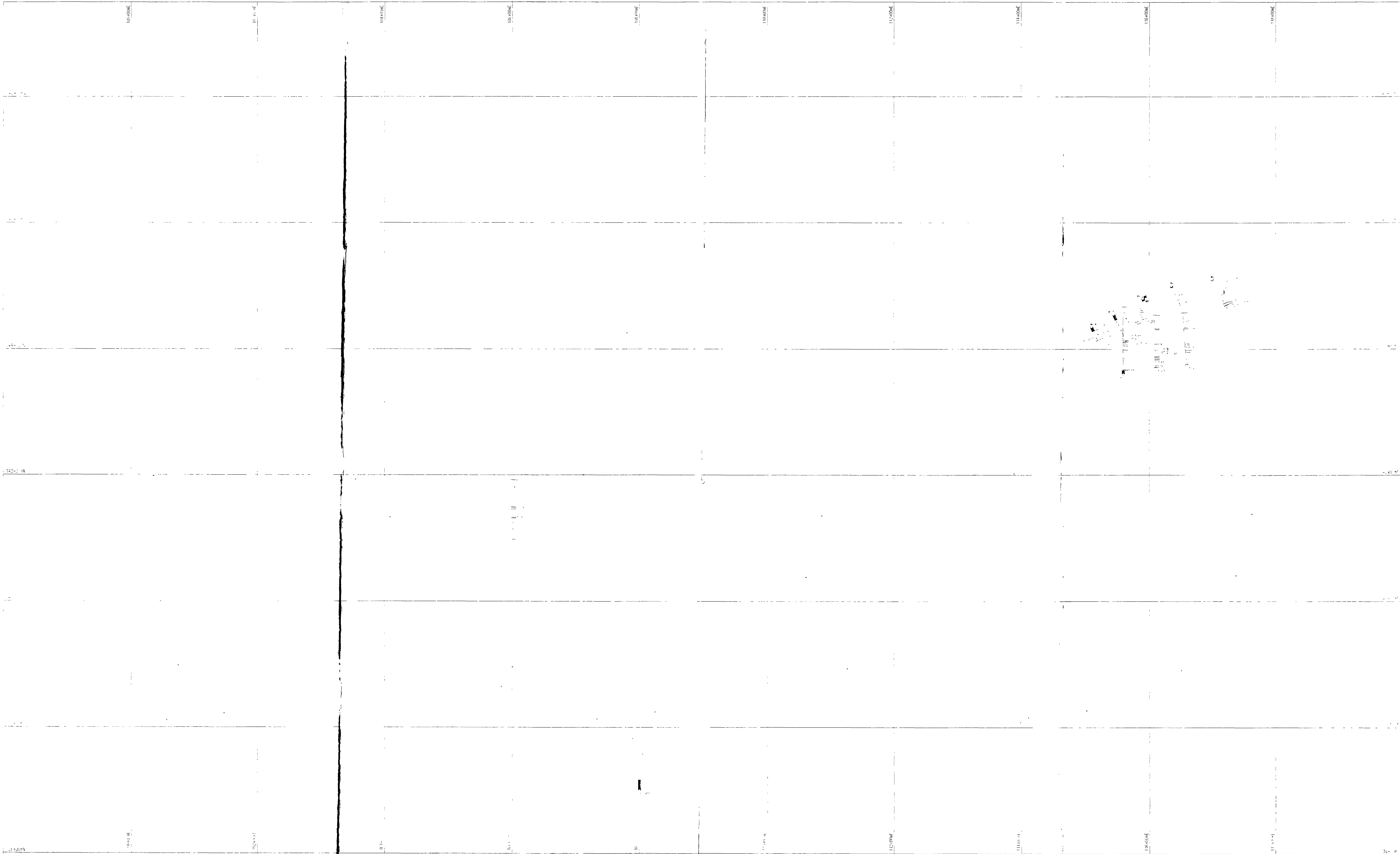


FALCONBRIDGE LIMITED  
 Exploration Division Timmins ONTARIO

PETER LAKE OPTION (CUNNINGHAM 31 & 32)  
 DRILLING DRILL PLAN (ASSAYS & GEOLOGY)

CUNNINGHAM Twp

DATE	22.09.97	WTS	4142.97	PROJECT No	2517
REV	01	WSP No		FILE	2517
SCALE	1:2000	Scale	1:2000	(metres)	



**LEGEND**

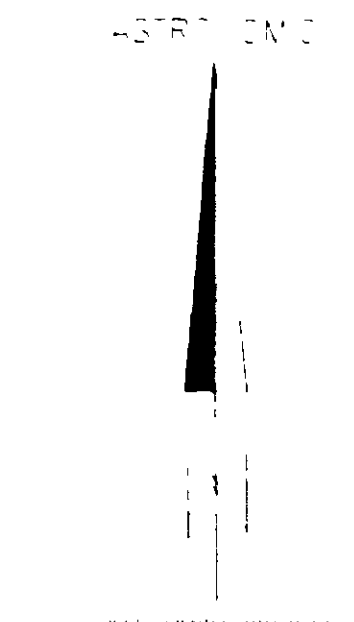
**Geology**

- MAP POLY DIVISIONS**
- 1 DIABASE
  - 2 METAVOLCANIC ROCKS
  - 3 METAFELSIC INTRUSIVE ROCKS
  - 4 METAFELSIC INTRUSIVE ROCKS
  - 5 SEDIMENTARY ROCKS
  - 6 METAVOLCANIC ROCKS
  - 7 METAFELSIC INTRUSIVE ROCKS
  - 8 METAFELSIC INTRUSIVE ROCKS
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  - 28 METAFELSIC INTRUSIVE ROCKS
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  - 31 METAFELSIC INTRUSIVE ROCKS
  - 32 METAFELSIC INTRUSIVE ROCKS
  - 33 METAFELSIC INTRUSIVE ROCKS
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  - 48 METAFELSIC INTRUSIVE ROCKS
  - 49 METAFELSIC INTRUSIVE ROCKS
  - 50 METAFELSIC INTRUSIVE ROCKS

- TEXTURAL-GEOCHEMICAL MINIFIELD**
- 1 Fine Grained
  - 2 Medium Grained
  - 3 Coarse Grained
  - 4 Porphyritic
  - 5 Plagioclase Fragmented
  - 6 Plagioclase Fragmented
  - 7 Plagioclase Fragmented
  - 8 Plagioclase Fragmented
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  - 50 Plagioclase Fragmented

- TEXTURAL-GEOCHEMICAL MINIFIELD**
- 1 Fine Grained
  - 2 Medium Grained
  - 3 Coarse Grained
  - 4 Porphyritic
  - 5 Plagioclase Fragmented
  - 6 Plagioclase Fragmented
  - 7 Plagioclase Fragmented
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  - 50 Plagioclase Fragmented

for originals see 2.14596

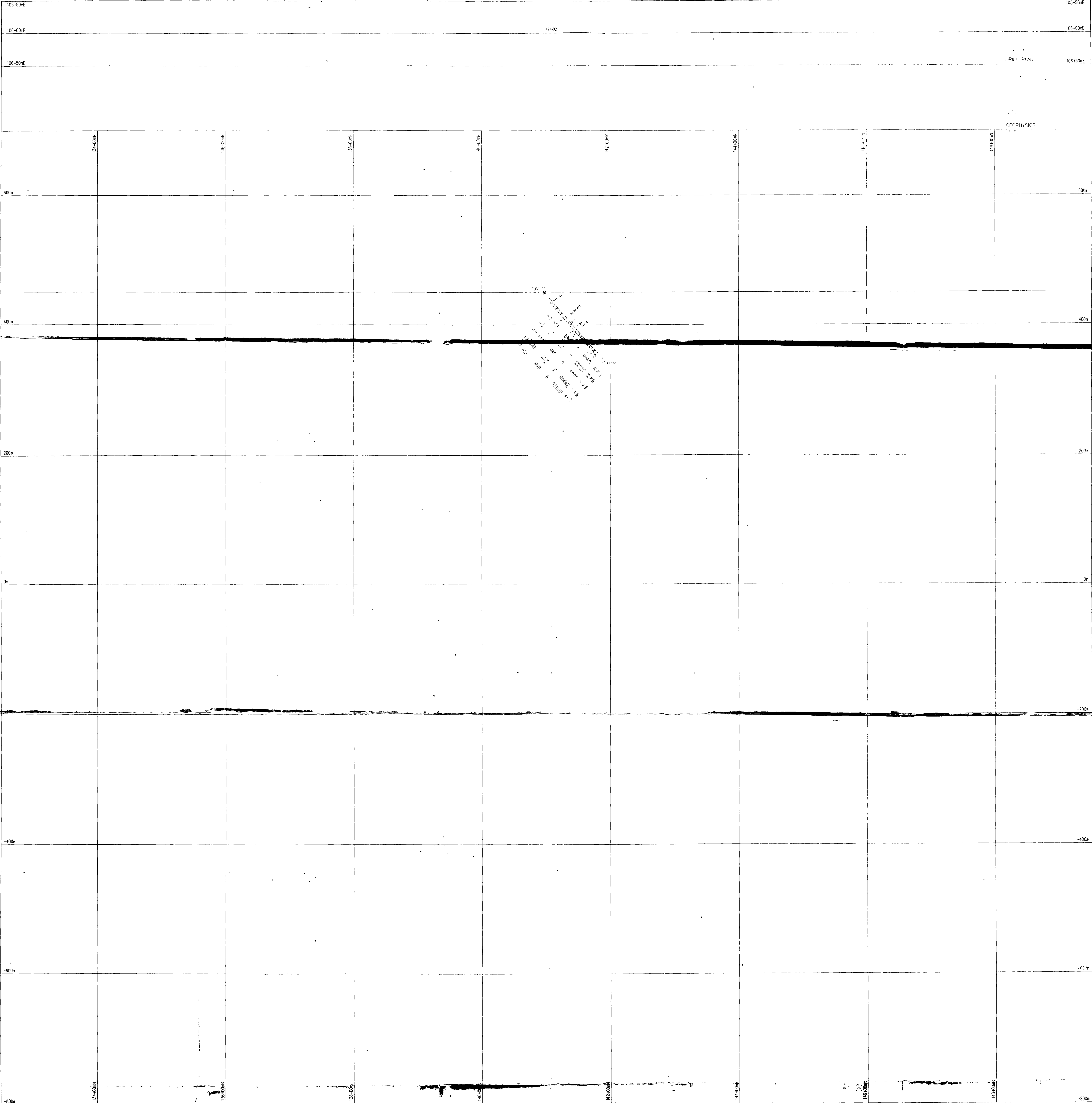


**FALCONBRIDGE LIMITED**  
 Engineering Division Timmins, ONTARIO

**PETER LAE OPTION (CUNNINGHAM 31 & 32)**  
 PROJECT OF L. PLAN (ASSAYS & GEOLOGY)

CUNNINGHAM 31

DATE: 10/20/81  
 SCALE: 1:3000 (metres)



**LEGEND**

**Geology**

**MAJOR ROCK DIVISIONS**

- 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

**TEXTURAL/GEOCHEMICAL MODIFIERS**

- a Fine Crystals
- b Medium Crystals
- c Breccia
- d Coarse Grained
- e Quartz-Feldspar Phyc
- f Amphibole/Pyroxene
- g Plagioclase
- h Olivine/Pyroxene
- i Olivine
- j Olivine
- k Olivine
- l Olivine
- m Olivine
- n Olivine
- o Olivine
- p Olivine
- q Olivine
- r Olivine
- s Olivine
- t Olivine
- u Olivine
- v Olivine
- w Olivine
- x Olivine
- y Olivine
- z Olivine

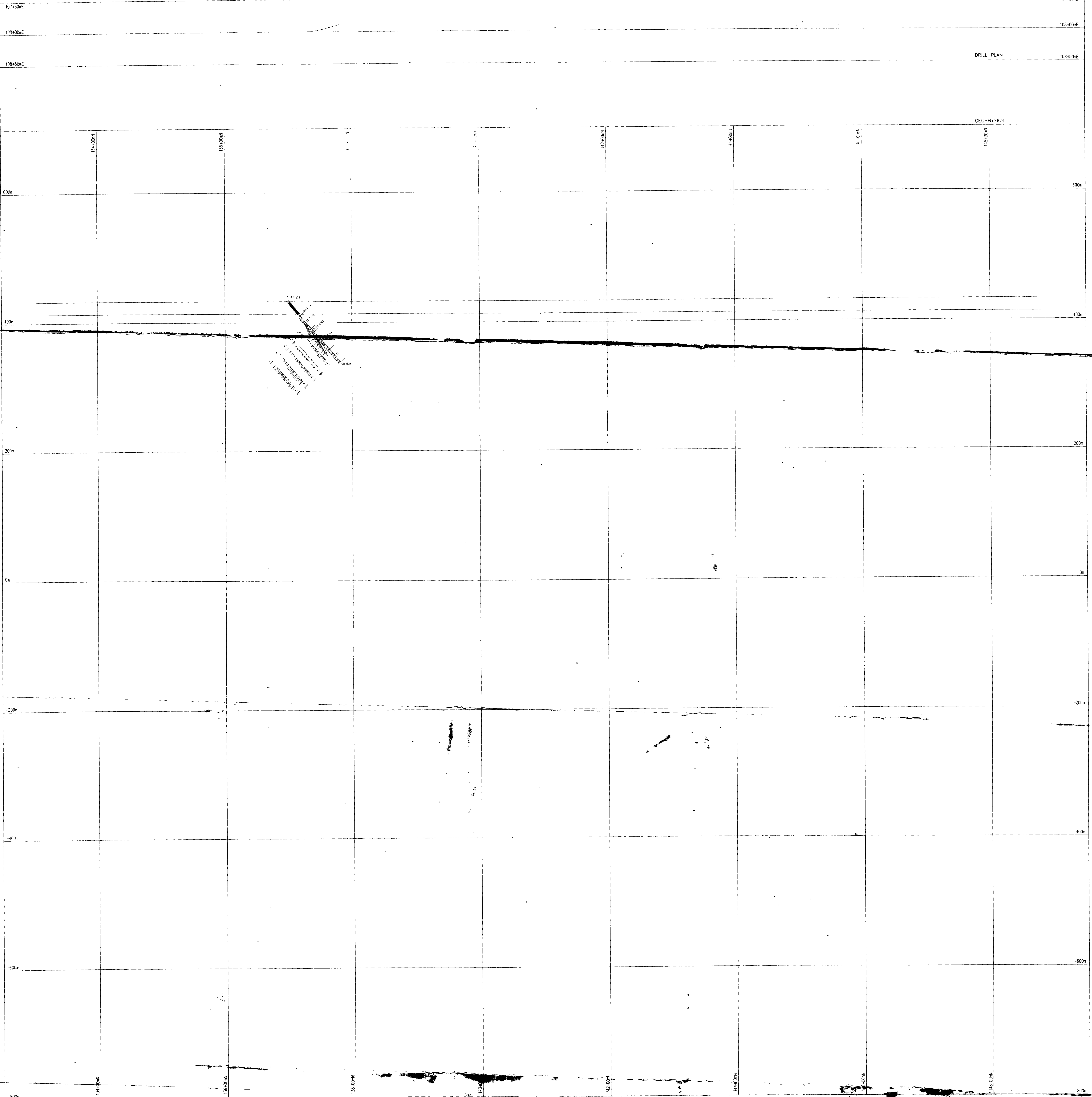
**ALTERATION MODIFIERS (PRODES)**

- 1000 Chlorite
- 1001 Bleached
- 1002 Carbonaceous
- 1003 Carbonatization
- 1004 Chloritization
- 1005 Epithermal
- 1006 Hematization
- 1007 Hydrothermal
- 1008 Serpentinization
- 1009 Sulfidation
- 1010 Calc-silicates

Cu > 200 ppm  
 Zn > 500 ppm  
 Au > 2500 ppb  
 Ag > 2.4 ppm  
 Pd > 75 ppm

For originals see: **2. 14596**

FALCONBRIDGE LIMITED			
Exploration Division		Timmins ONTARIO	
PETER LAKE OPTION (CUNNINGHAM 31 & 32)			
DIAMOND DRILL SECTION L 106400 E (+/-50m)			
LOOKING WEST		CUNNINGHAM Top	
Traced	2/20/97	MET	4/4/98 PROJECT No. 4237
Drawn	Jim Campbell	1/11/97	MAP No. FILE 4237
Supervised	P. R. Duff	4/97	Scale 1:2000 (metres)
Revised			



**LEGEND**

- Geology**
- MAJOR ROCK DIVISIONS
- 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

- TEXTURAL/GEOCHEMICAL MODIFIERS
- a Fine Grained
  - b Medium Grained
  - bc Blocky
  - c Coarse Grained
  - d Quartz-Feldspar (Qz)
  - e Amphibole/Pyroxene (Am/Py)
  - f Plagioclase/Pyroxene (Pl/Py)
  - g Clinopyroxene/Pyroxene (Cpx/Py)
  - h Hornblende/Pyroxene (Hbl/Py)
  - i Hornblende
  - j Anorthite
  - k Calc-Alkaline
  - l Alkaline
  - m Fresh
  - n Massive
  - o Vesicular/Spherulitic
  - p Fibrous
  - q Columnar
  - r Sphincter
  - s Sphincter
  - t Sphincter
  - u High Mg
  - v High Fe
  - w High Al
  - x Anhydrous
  - y Hydrous
  - z None

- ALTERATION MODIFIERS (PRODES)
- 400 Anhydrous
  - 401 Bleached
  - 402 Carbonaceous
  - 403 Chloritization
  - 404 Epidotization
  - 405 Hematization
  - 406 Pyritization
  - 407 Sericitization
  - 408 Sulfidation
  - 409 Silicification
  - 410 Sulfate
  - 411 Sulfidation
  - 412 Sulfate
  - 413 Sulfidation
  - 414 Sulfate
  - 415 Sulfidation
  - 416 Sulfate
  - 417 Sulfidation
  - 418 Sulfate
  - 419 Sulfidation
  - 420 Sulfate

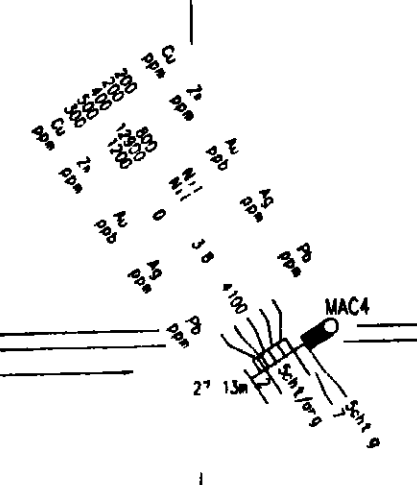
Cu > 200 ppm  
 Zn > 500 ppm  
 Au > 2500 ppb  
 Ag > 2.4 ppm  
 Pb > 75 ppm

For originals see: 2.14596

FALCONBRIDGE LIMITED			
Exploration Division		Timmins, ONTARIO	
PETER LAKE OPTION (CUNNINGHAM 31 & 32)			
DIAMOND DRILL SECTION L 108400 E (+/-50m)			
LOOKING WEST		CUNNINGHAM Top	
Drawn	PRODES 12/08/91	MTS	41-01/92
Drawn	John Campbell 21/11/91	MAP No	FILE 0203/91
Supervised	D. R. Day 12/08/91	Scale	1:2000 (Metric)
Revised			



220

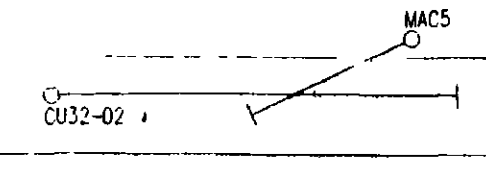


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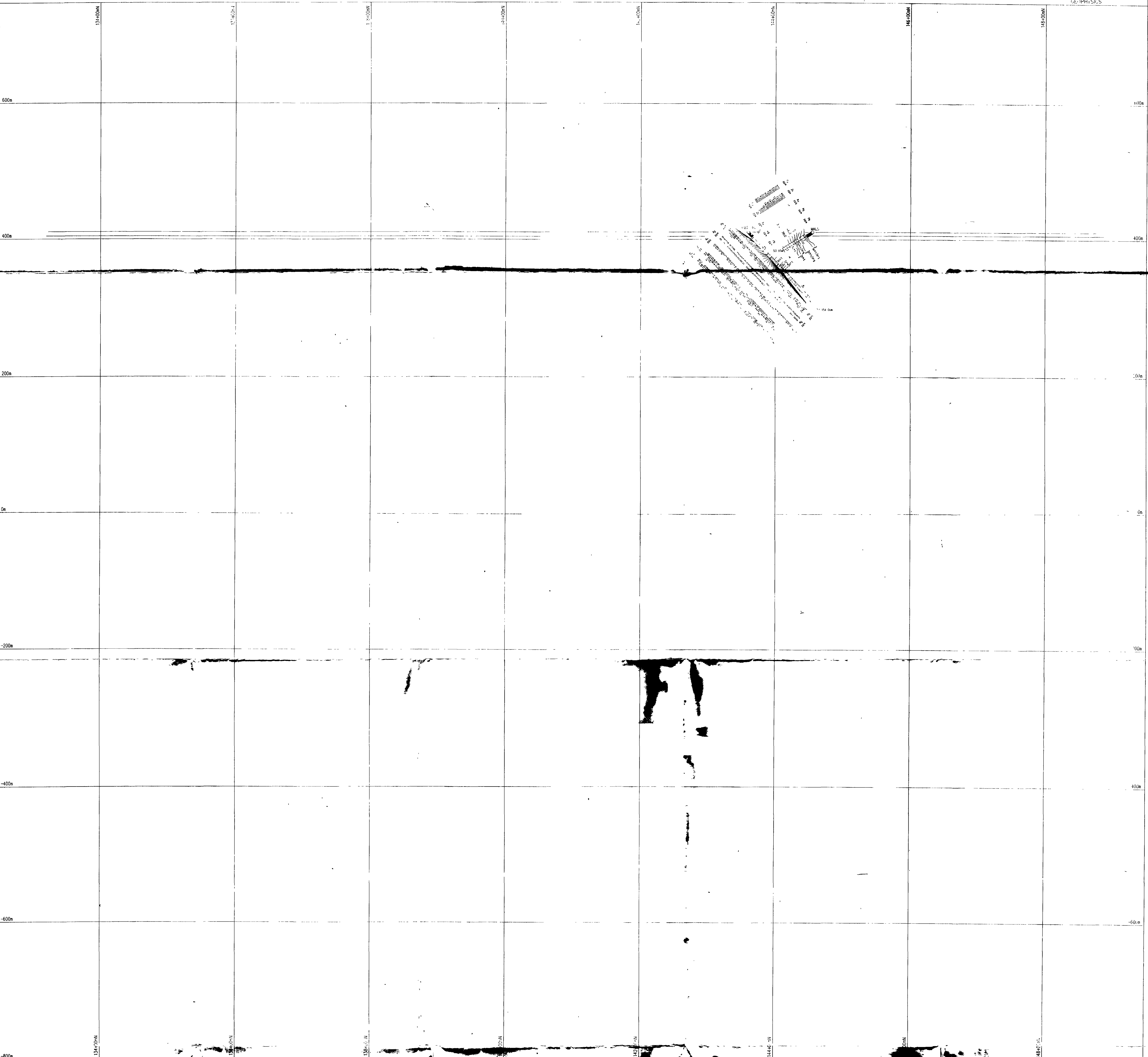
MAJOR ROCK DIVISIONS		TEXTURAL/GEOCHEMICAL MODIFIERS	
10	DIABASE	1	Plumbeous (K2O)
9	FELSIC INTRUSIVE ROCKS	2	Enriched (P2O5)
8	INTERMEDIATE INTRUSIVE ROCKS	3	Enriched (FeO)
7	MAFIC INTRUSIVE ROCKS	4	Enriched (MgO)
6	ULTRAMAFIC INTRUSIVE ROCKS	5	Enriched (CaO)
5	SEDIMENTARY ROCKS	6	Enriched (Na2O)
4	METAMORPHIC ROCKS	7	Enriched (SiO2)
3	IGNEOUS ROCKS	8	Enriched (Al2O3)
2	SEDIMENTARY ROCKS	9	Enriched (K2O)
1	IGNEOUS ROCKS	10	Enriched (FeO)

For originals see: 2. 14596

FALCONBRIDGE LIMITED			
Exploration Division		Timmins, ONTARIO	
PETER LAKE OPTION (CUNNINGHAM 31 & 32)			
DIAMOND DRILL SECTION L 115408 E (+/-25m)			
LOOKING WEST		CUNNINGHAM Twp.	
Traced	PROJ 12/08/91	WTS 41-0/10	PROJECT No. 2292
Drawn	J.A. Campbell 2/11/91	WSP No.	FILE 423P
Supervised	D.P. Ovi 12/08/91	Scale	1:2000 (metric)
Revised			



GEOPHYSICS



**LEGEND**

- Geology**
- MAJOR ROCK DIVISIONS**
- 10 DABASE
  - 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

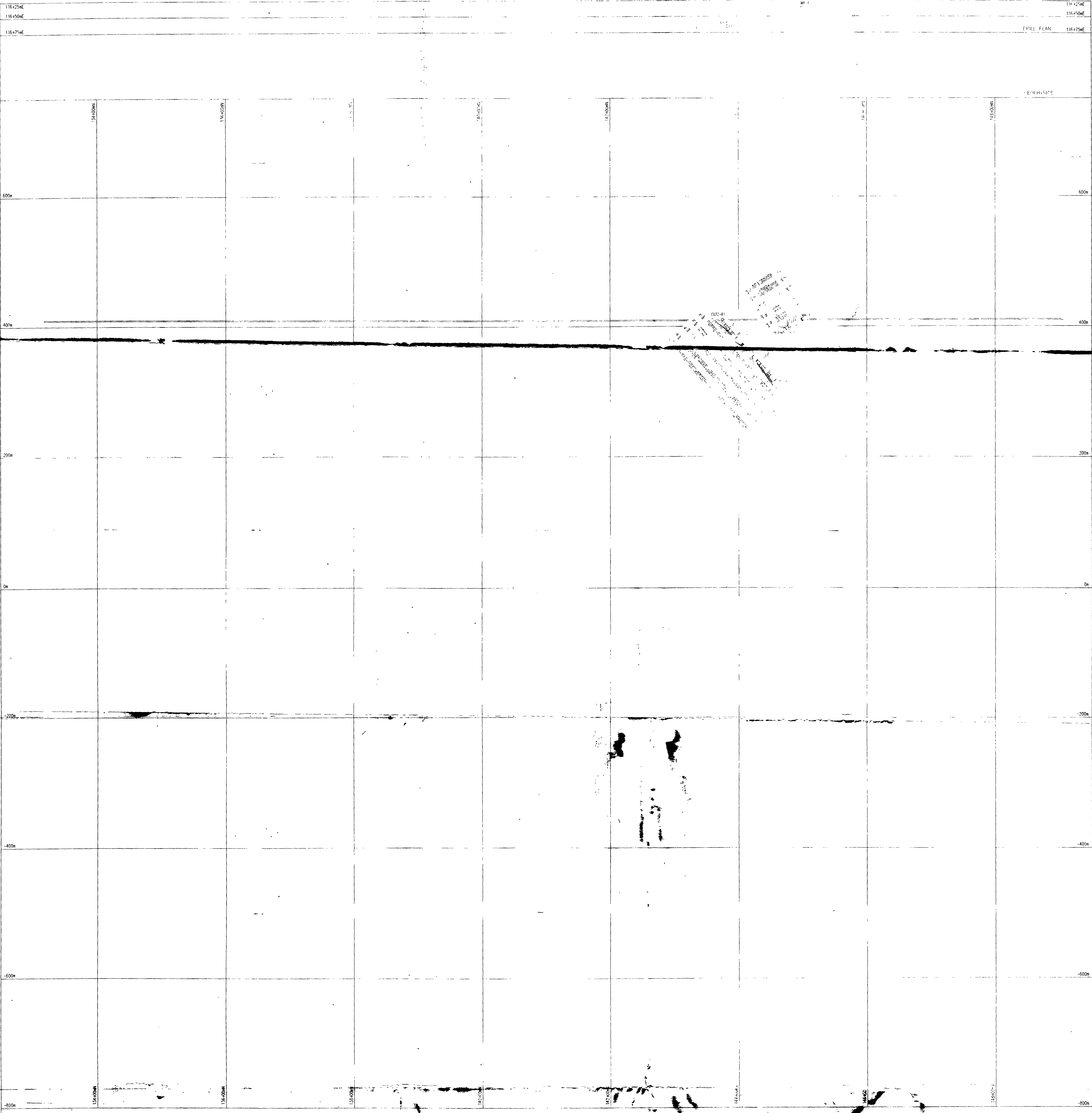
- TEXTURAL/GEOCHEMICAL MODIFIERS**
- 1 Fine Grained
  - 2 Medium Grained
  - 3 Coarse Grained
  - 4 Quartz-feldspar texture
  - 5 Porphyritic texture
  - 6 Granitic texture
  - 7 Dioritic texture
  - 8 Andesitic texture
  - 9 Basaltic texture
  - 10 Mafic texture
  - 11 Amphibole/Sphene texture
  - 12 Pyroxene texture
  - 13 Olivine texture
  - 14 Olivine + Pyroxene texture
  - 15 Olivine + Garnet texture
  - 16 Olivine + Biotite texture
  - 17 Olivine + Hornblende texture
  - 18 Olivine + Amphibole texture
  - 19 Olivine + Pyroxene + Amphibole texture
  - 20 Olivine + Pyroxene + Amphibole + Garnet texture
  - 21 Olivine + Pyroxene + Amphibole + Garnet + Biotite texture
  - 22 Olivine + Pyroxene + Amphibole + Garnet + Biotite + Hornblende texture
  - 23 Olivine + Pyroxene + Amphibole + Garnet + Biotite + Hornblende + Plagioclase texture
  - 24 Olivine + Pyroxene + Amphibole + Garnet + Biotite + Hornblende + Plagioclase + Titanite texture
  - 25 Olivine + Pyroxene + Amphibole + Garnet + Biotite + Hornblende + Plagioclase + Titanite + Zircon texture
  - 26 Olivine + Pyroxene + Amphibole + Garnet + Biotite + Hornblende + Plagioclase + Titanite + Zircon + Sphene texture
  - 27 Olivine + Pyroxene + Amphibole + Garnet + Biotite + Hornblende + Plagioclase + Titanite + Zircon + Sphene + Epidote texture
  - 28 Olivine + Pyroxene + Amphibole + Garnet + Biotite + Hornblende + Plagioclase + Titanite + Zircon + Sphene + Epidote + Clinopyroxene texture
  - 29 Olivine + Pyroxene + Amphibole + Garnet + Biotite + Hornblende + Plagioclase + Titanite + Zircon + Sphene + Epidote + Clinopyroxene + Orthopyroxene texture
  - 30 Olivine + Pyroxene + Amphibole + Garnet + Biotite + Hornblende + Plagioclase + Titanite + Zircon + Sphene + Epidote + Clinopyroxene + Orthopyroxene + Ilmenite texture

- ALTERATION MODIFIERS / PROCESSES**
- 1 Alteration
  - 2 Brecciation
  - 3 Carbonatization
  - 4 Chloritization
  - 5 Sulfidation
  - 6 Silicification
  - 7 Serpentinization
  - 8 Sulfate
  - 9 Silica
  - 10 Sulfide
  - 11 Sulfate + Silica
  - 12 Sulfate + Sulfide
  - 13 Sulfate + Silica + Sulfide
  - 14 Sulfate + Silica + Sulfide + Carbonatization
  - 15 Sulfate + Silica + Sulfide + Carbonatization + Chloritization
  - 16 Sulfate + Silica + Sulfide + Carbonatization + Chloritization + Sulfidation
  - 17 Sulfate + Silica + Sulfide + Carbonatization + Chloritization + Sulfidation + Silicification
  - 18 Sulfate + Silica + Sulfide + Carbonatization + Chloritization + Sulfidation + Silicification + Serpentinization
  - 19 Sulfate + Silica + Sulfide + Carbonatization + Chloritization + Sulfidation + Silicification + Serpentinization + Sulfate
  - 20 Sulfate + Silica + Sulfide + Carbonatization + Chloritization + Sulfidation + Silicification + Serpentinization + Sulfate + Silica
  - 21 Sulfate + Silica + Sulfide + Carbonatization + Chloritization + Sulfidation + Silicification + Serpentinization + Sulfate + Silica + Sulfide
  - 22 Sulfate + Silica + Sulfide + Carbonatization + Chloritization + Sulfidation + Silicification + Serpentinization + Sulfate + Silica + Sulfide + Silica
  - 23 Sulfate + Silica + Sulfide + Carbonatization + Chloritization + Sulfidation + Silicification + Serpentinization + Sulfate + Silica + Sulfide + Silica + Sulfate
  - 24 Sulfate + Silica + Sulfide + Carbonatization + Chloritization + Sulfidation + Silicification + Serpentinization + Sulfate + Silica + Sulfide + Silica + Sulfate + Silica
  - 25 Sulfate + Silica + Sulfide + Carbonatization + Chloritization + Sulfidation + Silicification + Serpentinization + Sulfate + Silica + Sulfide + Silica + Sulfate + Silica + Sulfate

Cu > 200 ppm  
 Zn > 500 ppm  
 Au > 2500 ppb  
 Ag > 2.4 ppm  
 Pb > 75 ppm

For originals see: 2.14596

FALCONBRIDGE LIMITED				
Exploration Division		Timmins, ONTARIO		
PETER LAKE OPTION (CORNINGHAM 31 & 32)				
DIAMOND DRILL SECTION L 115450 E (+/-25m)				
LOOKING WEST		CORNINGHAM Twp		
Traced	PRESET	07.09.07	NTS	27x40 cm
Drawn	11.10.07	27.11.07	MAP 74	FILE 3535
Supervised	P.R. Dyer	07.09.07	Scale	1:2000 (metres)
Revised				



CUT-01  
 116.450E  
 400m  
 116.550E  
 400m  
 116.650E  
 400m  
 116.750E  
 400m

**LEGEND**

**Geology**

**MAJOR ROCK DIVISIONS**

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

Cu > 200 ppm  
 Zn > 500 ppm  
 Au > 2500 ppb  
 Ag > 2.4 ppm  
 Pb > 75 ppm

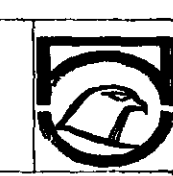
**TEXTURAL/GEOCHEMICAL MODIFIERS**

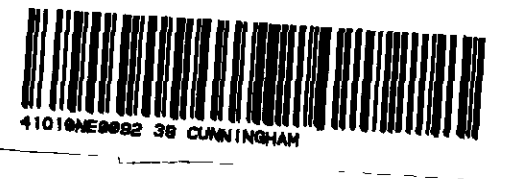
- a Fine Crystals
- b Medium Crystals
- cc Coarse Grained
- d Quartz Felsparic Phyr
- e Amphibole/Pyroxene
- f Plagioclase/Pyroxene
- g Calcite/Aragonite
- h Pyroxene
- i Anhydrite
- j Calcite
- k Pyroxene
- l Amphibole
- m Quartz/Pyroxene
- n Pyroxene
- o High T<sub>z</sub>
- p High P<sub>z</sub>
- q Anhydrite
- r Sphalerite
- s Text
- A Pyroxene (Cr<sub>2</sub>)
- B Pyroxene (Cr<sub>2</sub>)
- C Text
- D Text
- E Text
- F Text
- G Text
- H Text
- I Text
- J Pyroxene
- K Pyroxene
- L Pyroxene
- M Pyroxene
- N Pyroxene
- O Pyroxene
- P Pyroxene
- Q Pyroxene
- R Pyroxene
- S Pyroxene
- T Pyroxene
- U Pyroxene
- V Pyroxene
- W Pyroxene
- X Pyroxene
- Y Pyroxene
- Z Pyroxene

**ALTERATION MODIFIERS (PPROES)**

- AN2 Anhydrite
- BR2 Biotite
- CH2 Chlorite
- CO2 Calcite
- EP2 Epidote
- HE2 Hematite
- KA2 Kaolinite
- MT2 Magnetite
- OP2 Olivine
- PH2 Pyroxene
- SP2 Sphalerite
- ST2 Staurolite
- TE2 Topaz
- TR2 Trilobite

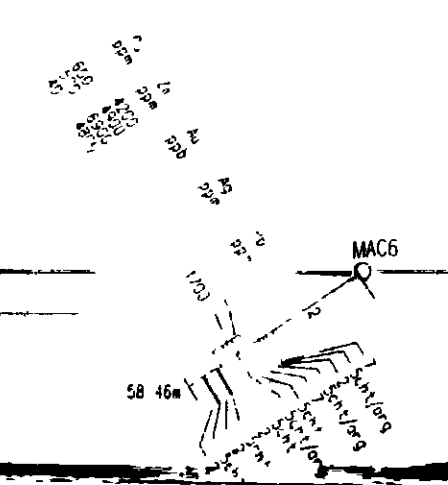
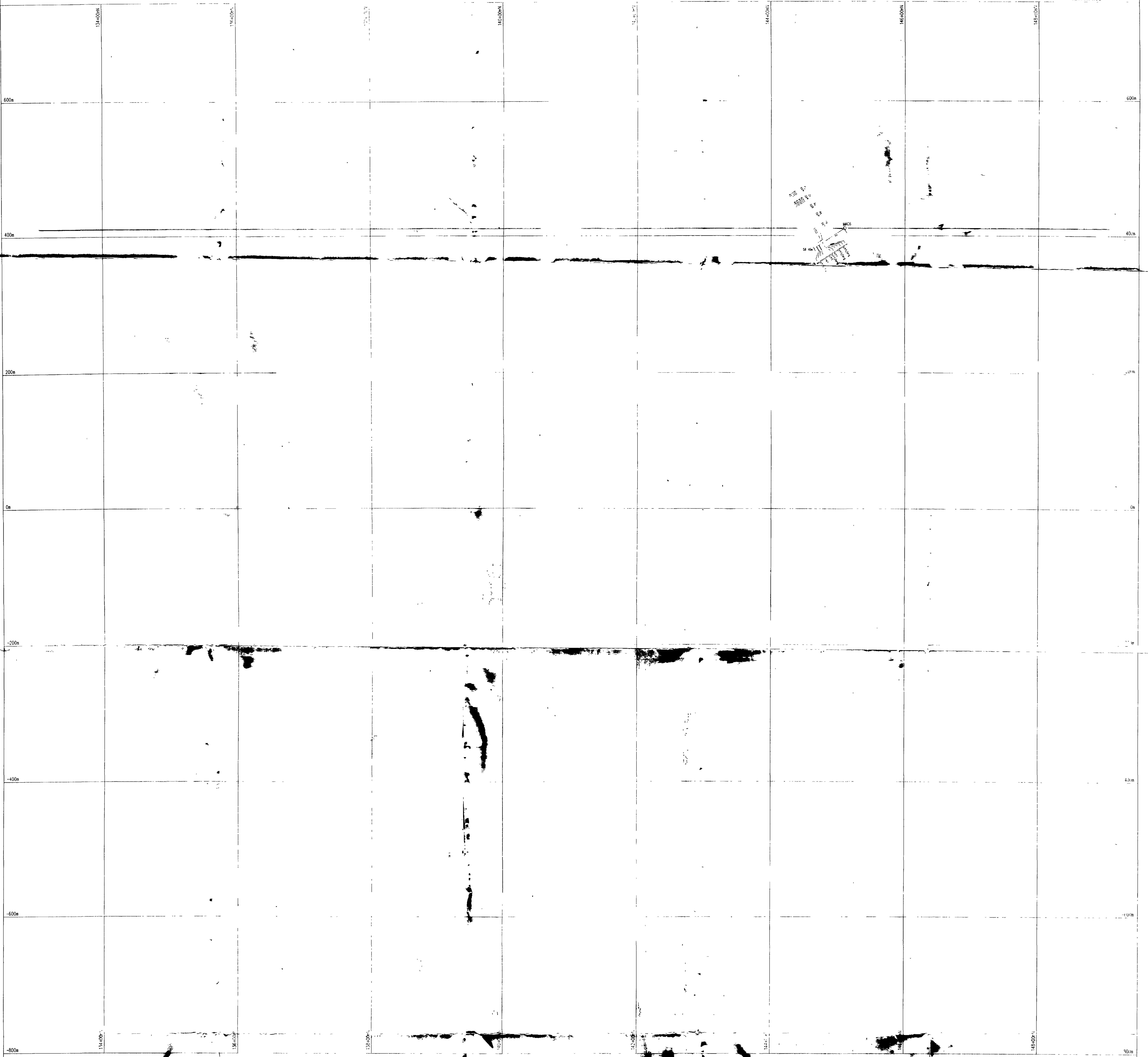
*In originals see: 2. 1459 6*

FALCONER LIMITED		
Exploration Division	Toronto, ONTARIO	
<b>PETER LAIE OPTION (CUNNINGHAM 31 &amp; 32)</b> HAMMID FIELD (TOWN 116450 E (1/2-25a)) CUNNINGHAM Twp.		
Trace	AN2	PROJECT No. 0327
Draw	J.P. Campbell	FILE 0327
Supervised	J.P. Campbell	Scale 1:2000 (metres)
Revised		



860

CEOPHYSCS



### LEGEND

- Geology**
- MAJOR FACIES GROUPS
- 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

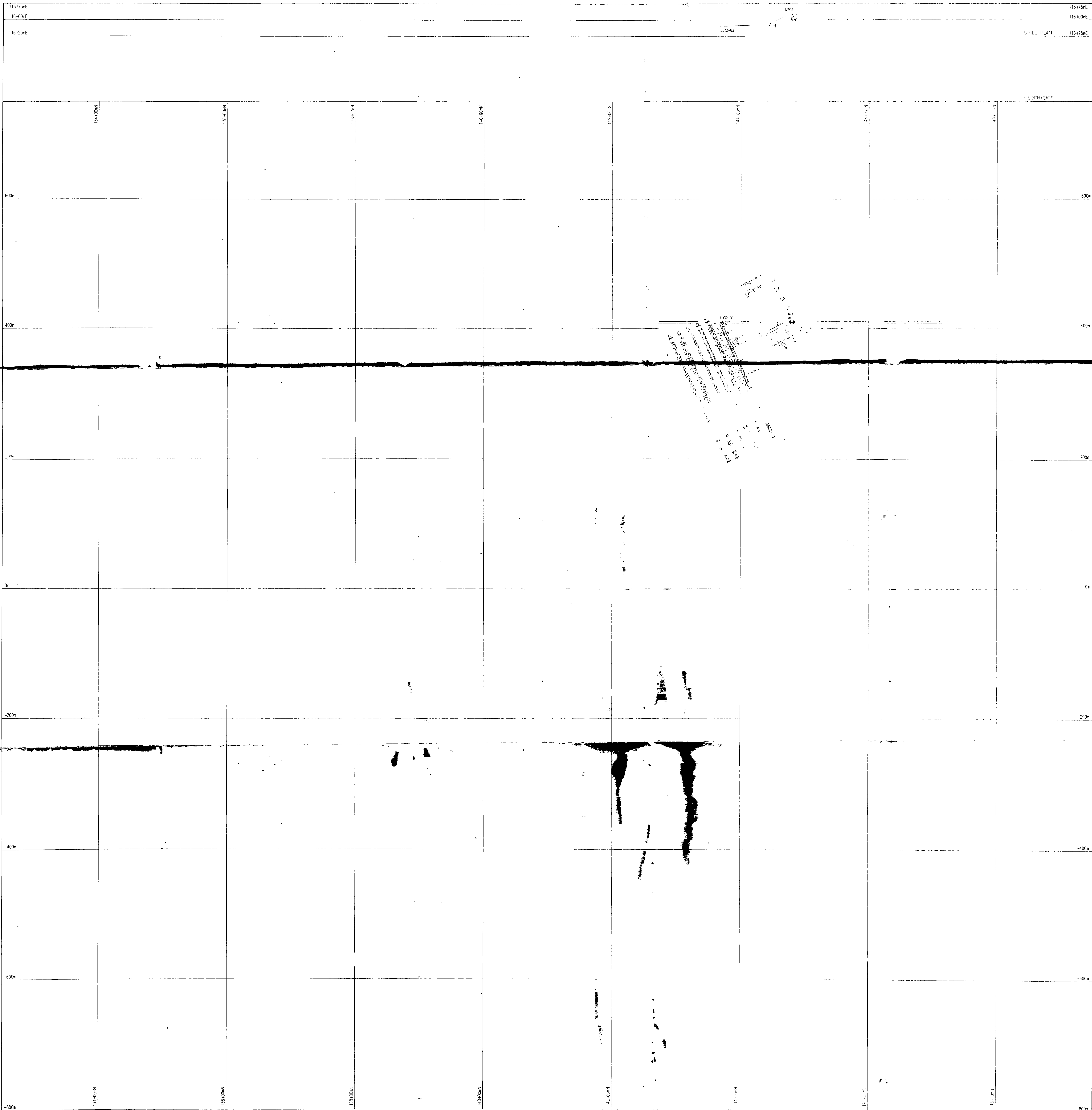
- ALTERATION 11 - FEELT FR. 1
- 11a Chlorite
  - 11b Epidote
  - 11c Sericite
  - 11d Pyrite
  - 11e Magnetite
  - 11f Hematite
  - 11g Limonite
  - 11h Sphalerite
  - 11i Dolomite
  - 11j Calcite
  - 11k Anhydrite
  - 11l Silica
  - 11m Barite
  - 11n Fluorite
  - 11o Quartz
  - 11p Pyroxene
  - 11q Amphibole
  - 11r Olivine
  - 11s Garnet
  - 11t Biotite
  - 11u Hornblende
  - 11v Plagioclase
  - 11w Quartz
  - 11x Calcite
  - 11y Dolomite
  - 11z Anhydrite

Cu > 200 ppm  
 Zn > 500 ppm  
 Pb > 2500 ppm  
 Ag > 2.5 ppm  
 Vb > 75 ppm

for original see  
 2.14596

FALCONBRIDGE LIMITED			
PETE LAKE VELOCITY CORRELATION 01 & 02			
(DAMODRILL TESTING - 117400 E (-) 250)			
LUTON, WEST			
Drawn	Checked	Supervised	Reviewed
2000	2000	2000	2000
1	1	1	1
Scale: 1:200 (Metric)			





**Geology**

**LEGEND**

**MAJOR ROCK DIVISIONS**

- 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

Cu > 200 ppm  
 Zn > 500 ppm  
 Au > 2500 ppb  
 Ag > 2.4 ppm  
 Pb > 75 ppm

**TEXTURAL/GEOCHEMICAL MODIFIERS**

- A Fine Grained
- B Medium Grained
- bc Breccia
- C Coarse Grained
- d Quartz/Orthopyroxene
- e Amphibole/Pyroxene
- f Plagioclase/Pyroxene
- g Olivine/Pyroxene
- h Olivine/Orthopyroxene
- i Olivine/Plagioclase
- j Olivine
- k Olivine/Pyroxene
- l Olivine/Pyroxene
- m Olivine/Pyroxene
- n Olivine/Pyroxene
- o Olivine/Pyroxene
- p Olivine/Pyroxene
- q Olivine/Pyroxene
- r Olivine/Pyroxene
- s Olivine/Pyroxene
- t Olivine/Pyroxene
- u Olivine/Pyroxene
- v Olivine/Pyroxene
- w Olivine/Pyroxene
- x Olivine/Pyroxene
- y Olivine/Pyroxene
- z Olivine/Pyroxene

**ALTERATION MODIFIERS (PROCES)**

- <A> Alteration
- <B> Brecciation
- <C> Carbonatization
- <D> Chloritization
- <E> Epithermal
- <F> Hydrothermal
- <G> Oxidation
- <H> Serpentinization
- <I> Silicification
- <J> Sulfidation
- <K> Talc-Carbonatization

- A Plagioclase (100%)
- B Olivine (100%)
- C Olivine (100%)
- D Olivine (100%)
- E Olivine (100%)
- F Olivine (100%)
- G Olivine (100%)
- H Olivine (100%)
- I Olivine (100%)
- J Olivine (100%)
- K Olivine (100%)
- L Olivine (100%)
- M Olivine (100%)
- N Olivine (100%)
- O Olivine (100%)
- P Olivine (100%)
- Q Olivine (100%)
- R Olivine (100%)
- S Olivine (100%)
- T Olivine (100%)
- U Olivine (100%)
- V Olivine (100%)
- W Olivine (100%)
- X Olivine (100%)
- Y Olivine (100%)
- Z Olivine (100%)

In originals see: 2.14596

FALCONBRIDGE LIMITED			
Exploration Division		Timmins, ONTARIO	
PETER LAKE OPTION (CUMBERLAND 31 & 32)			
DIAMOND DRILL SECTION L 116400 E (+/-25m)			
LOOKING WEST		CUMBERLAND Twp	
Dated	2/2/92	NS	44-47
Drawn	J.R. Saper	MAP No.	FILE 0882
Supervised	J.R. Saper	Scale	1:200 (metres)
Revised			

