010

TOWNSHIP: GENOA TWP **REPORT NO:** 14

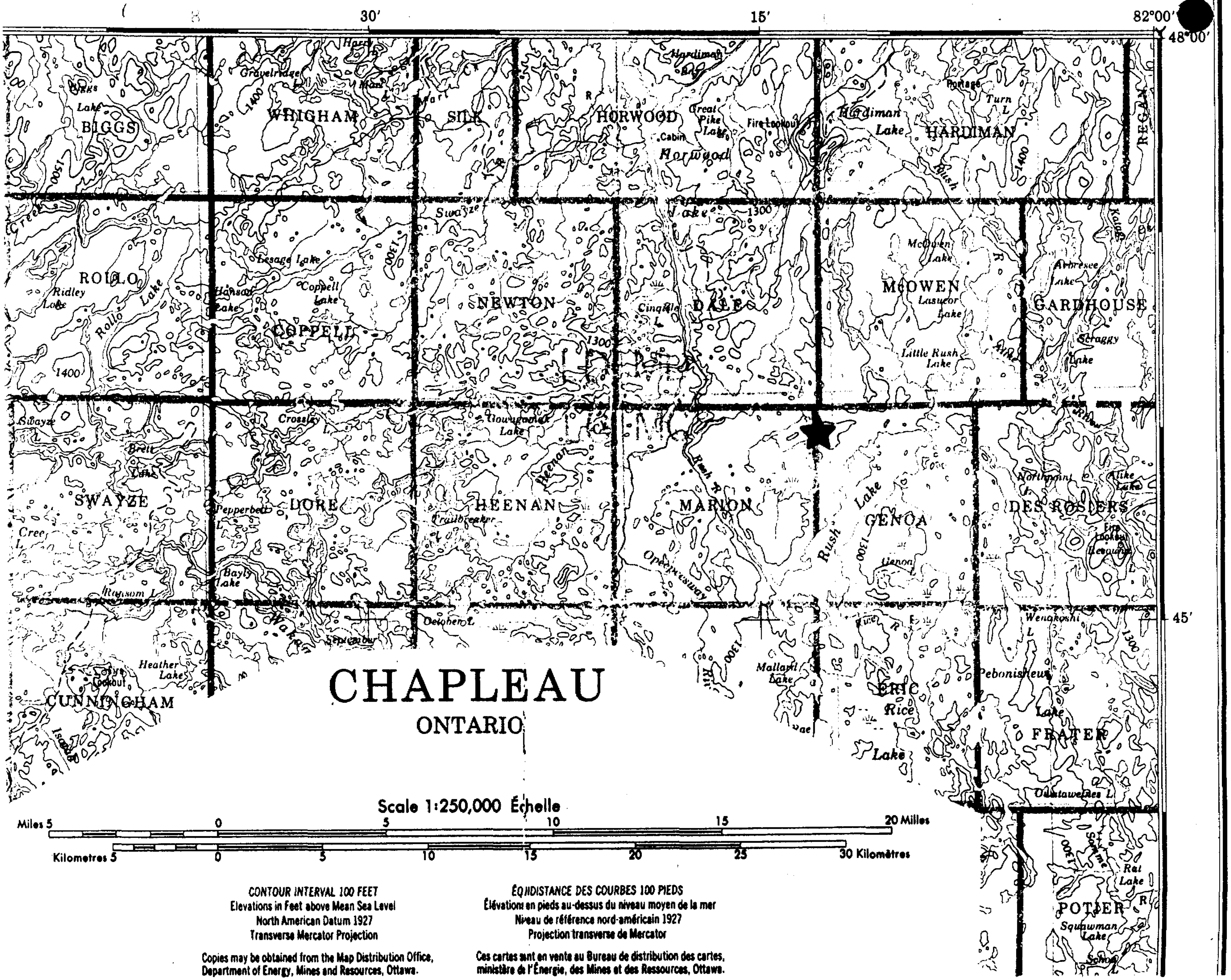
WORK PERFORMED FOR: Falconbridge Ltd.

RECORDED HOLDER: SAME AS ABOVE [X]

: OTHER [ ]

CLAIM NO.	HOLE NO.	FOOTAGE	DATE	NOTE
P583881	GA61-01	346m	Oct 92	(1)
P583881	GA61-02	326m	Oct 92	"
P583881	GA61-03	439.61m	Oct 92	"
P583883	GA61-04	395.0m	Nov 92	"
P583883	GA61-05	244m	Oct 92	"
P583881	GA61-06	835m	Nov 92	"
P583878	GA61-07	593m	Dec 92	"

NOTES: (1) Report of Work # 9360 00056
Filed May 28th 1993


30′
15′
82°00′
48°00′
45′
BIGGS
WHIGHAM
SILK
HORWOOD
HARDIMAN
REGAN
ROLLO
COPPELL
NEWTON
DALE
McOWEN
GARDHOUSE
SWAYZE
DORE
HEENAN
MARION
GENOA
DES ROSIERS
CUNNINGHAM
ERIC
FRATER
POTIER
Biggs Lake
Hardiman Lake
Great Pike Lake
Fire Lookout
Cabin
Horwood Lake
Lesage Lake
Coppell Lake
Ridley Lake
Rollo Lake
Hanson Lake
McOwen Lake
Lasucor Lake
Little Rush Lake
Scraggy Lake
Crossley L
Brett Lake
Trailbreaker
Rush Lake
Opeepeesway
Bayly Lake
Heather Lake
Mallard Lake
Rice Lake
Wenokoshi L
Pebonishewi Lake
Rat Lake
Squawman Lake
1300
1400
1500

CHAPLEAU

ONTARIO

Scale 1:250,000 Échelle

Miles 5 0 5 10 15 20 Milles

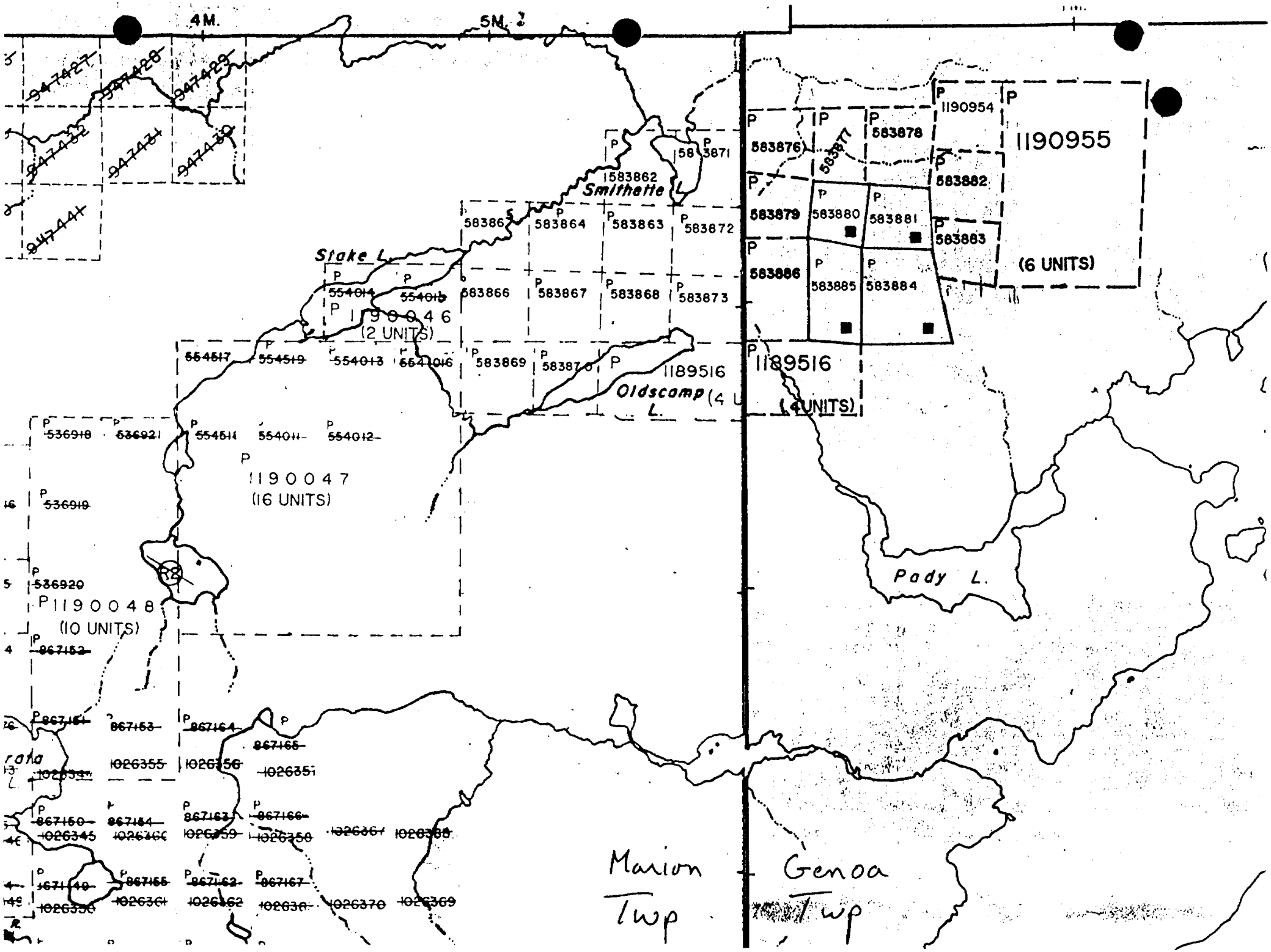
Kilometres 5 0 5 10 15 20 25 30 Kilomètres

CONTOUR INTERVAL 100 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1927
Transverse Mercator Projection

ÉQUIDISTANCE DES COURBES 100 PIEDS
Élévations en pieds au-dessus du niveau moyen de la mer
Niveau de référence nord-américain 1927
Projection transverse de Mercator

Copies may be obtained from the Map Distribution Office,
Department of Energy, Mines and Resources, Ottawa.

Ces cartes sont en vente au Bureau de distribution des cartes,
ministère de l'Énergie, des Mines et des Ressources, Ottawa.


4M.
5M.
947427
947428
947429
947432
947431
947430
947441
583862
Smithette L.
583865
583864
583863
583872
Stake L.
554014
554015
583866
583867
583868
583873
1190046
(2 UNITS)
554517
554519
554013
554016
583869
583870
1189516
Oldscamp L.
(4 UNITS)
1190954
1190955
583876
583877
583878
583882
583879
583880
583881
583883
583886
583885
583884
(6 UNITS)
536918
536921
554511
554011
554012
1190047
(16 UNITS)
536919
536920
1190048
(10 UNITS)
867152
867161
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867164
867165
1026355
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1026351
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867163
867166
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1026350
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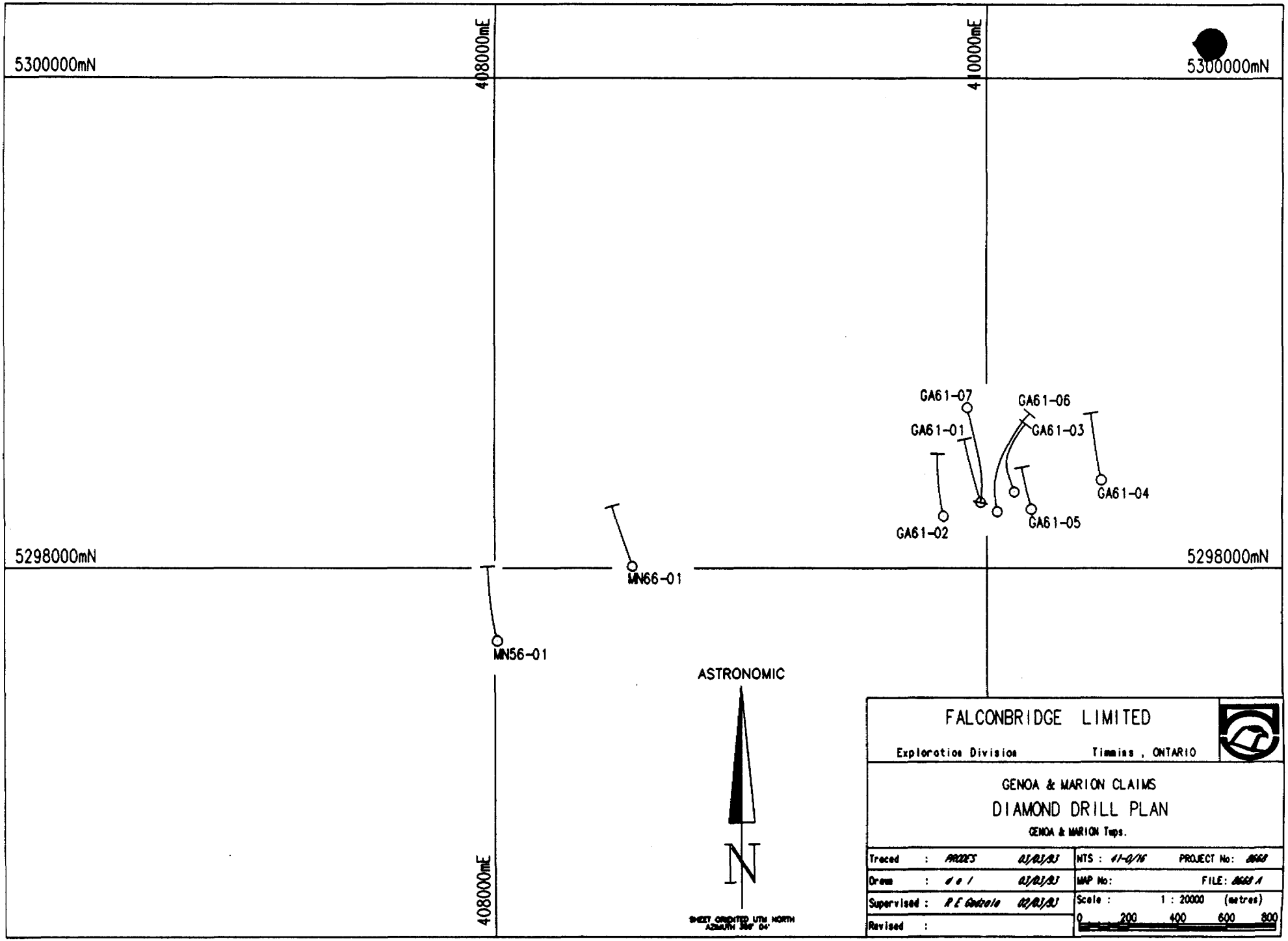
1026370
1026369
Pady L.
Marion Twp
Genoa Twp



FALCONBRIDGE LIMITED

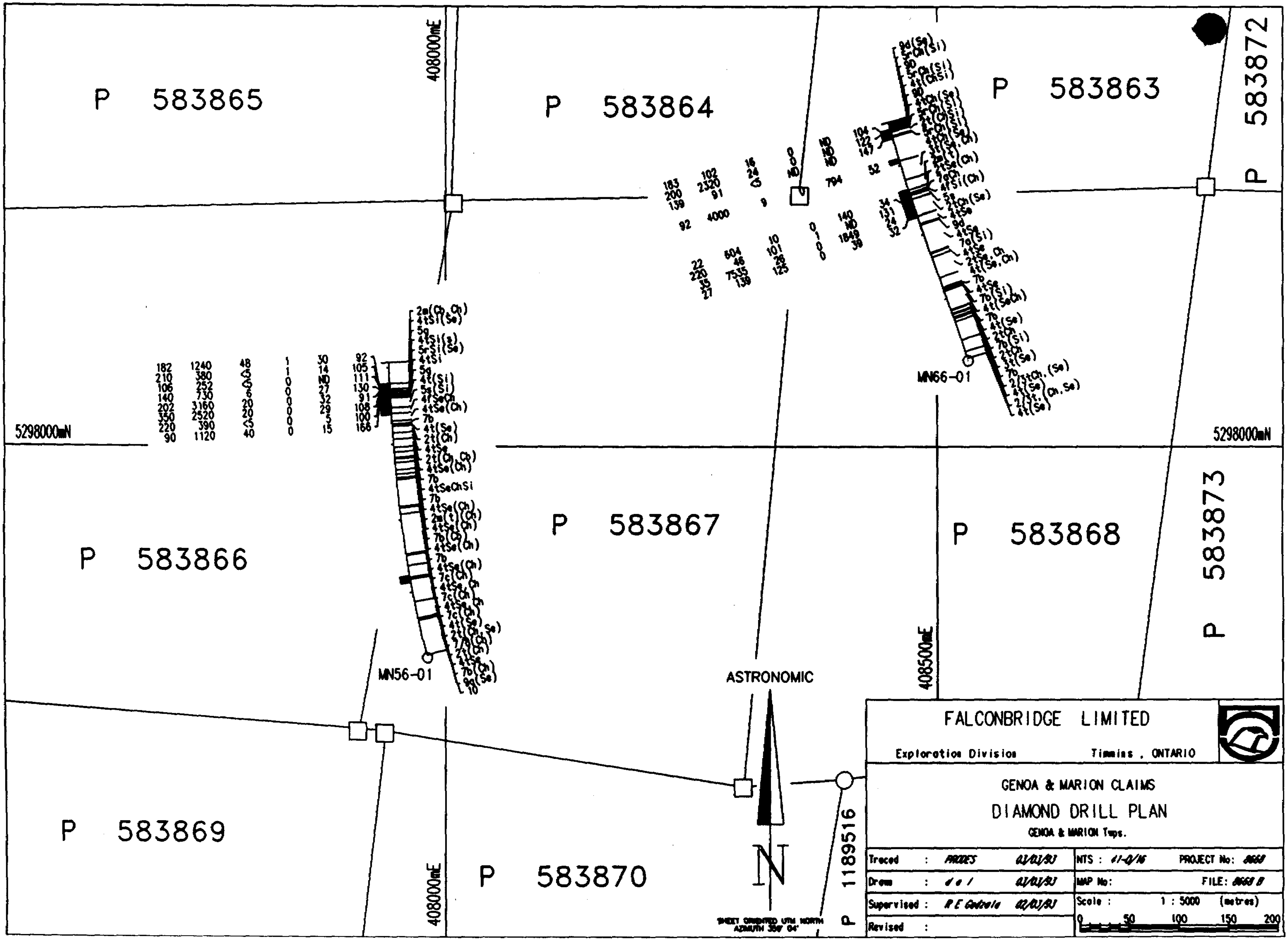
Exploration Division — Timmins, ONTARIO

GENOA & MARION CLAIMS

DIAMOND DRILL PLAN

GENOA & MARION Twps.

Traced	: PROJECTS	01/03/93	NTS : 41-G/16	PROJECT No: 8668
Drawn	: d e l	01/03/93	MAP No:	FILE: 8668 A
Supervised	: R E Gutzole	02/03/93	Scale :	1 : 20000 (metres)
Revised	:		0 200 400 600 800	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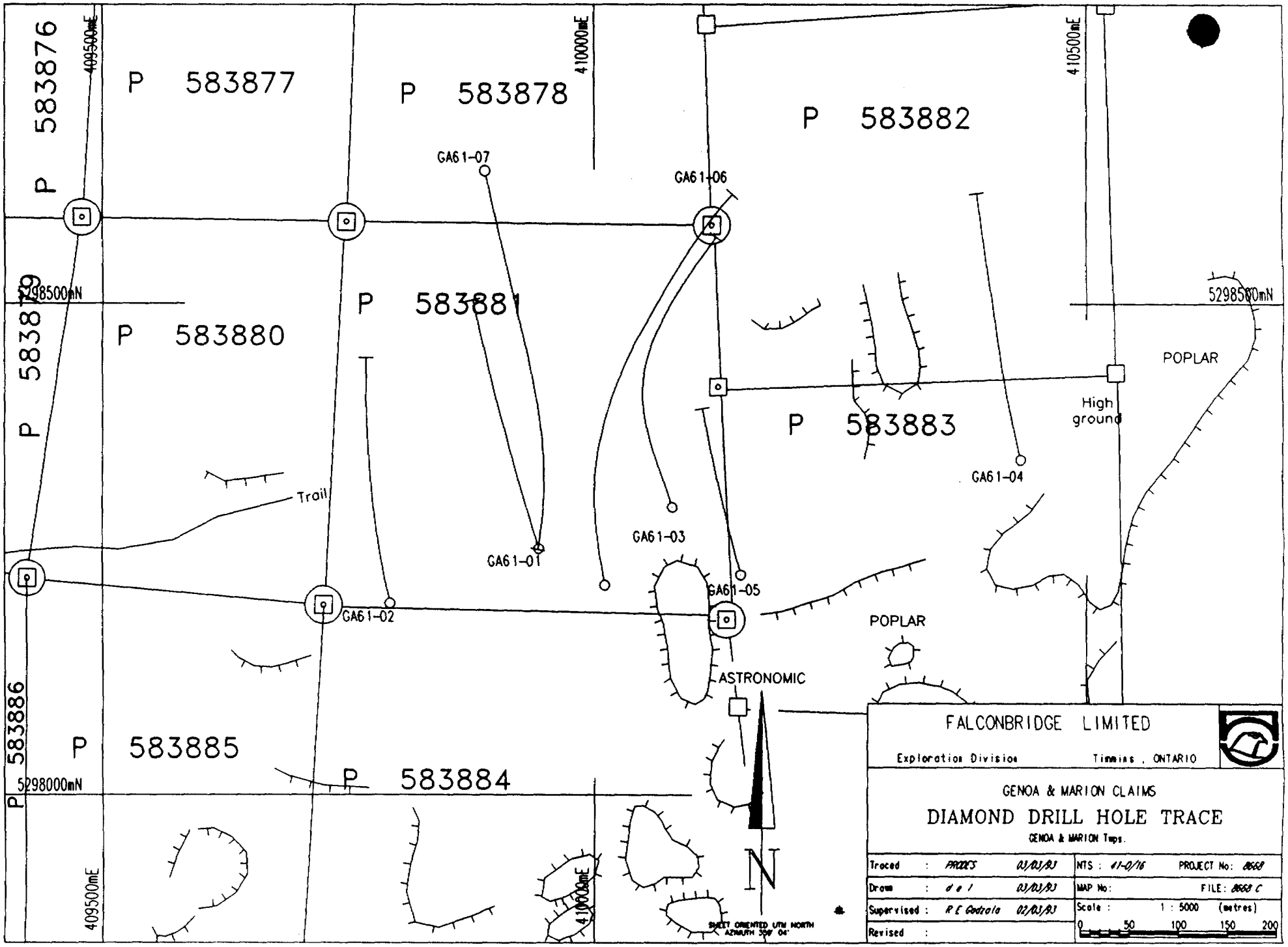
P 583864
P 583863
P 583872
P 583866
P 583867
P 583868
P 583873
P 583869
P 583870
P 1189516
408000mE
408500mE
5298000mN
MN56-01
MN66-01
ASTRONOMIC
N
SHEET ORIENTED UTM NORTH AZIMUTH 358° 04'
FALCONBRIDGE LIMITED
Exploration Division
Timmins , ONTARIO
GENOA & MARION CLAIMS
DIAMOND DRILL PLAN
GENOA & MARION Twps.
Traced :
Drawn :
Supervised :
Revised :
NTS :
PROJECT No:
MAP No:
FILE:
Scale : 1 : 5000 (metres)
0 50 100 150 200


P 583876
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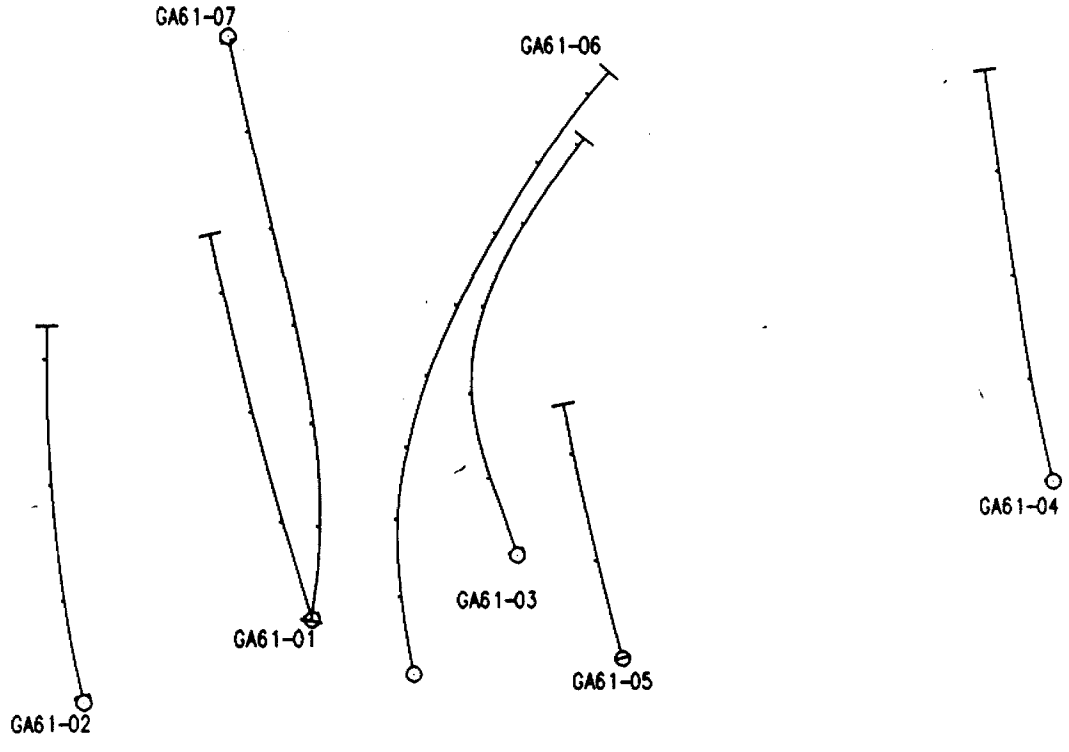
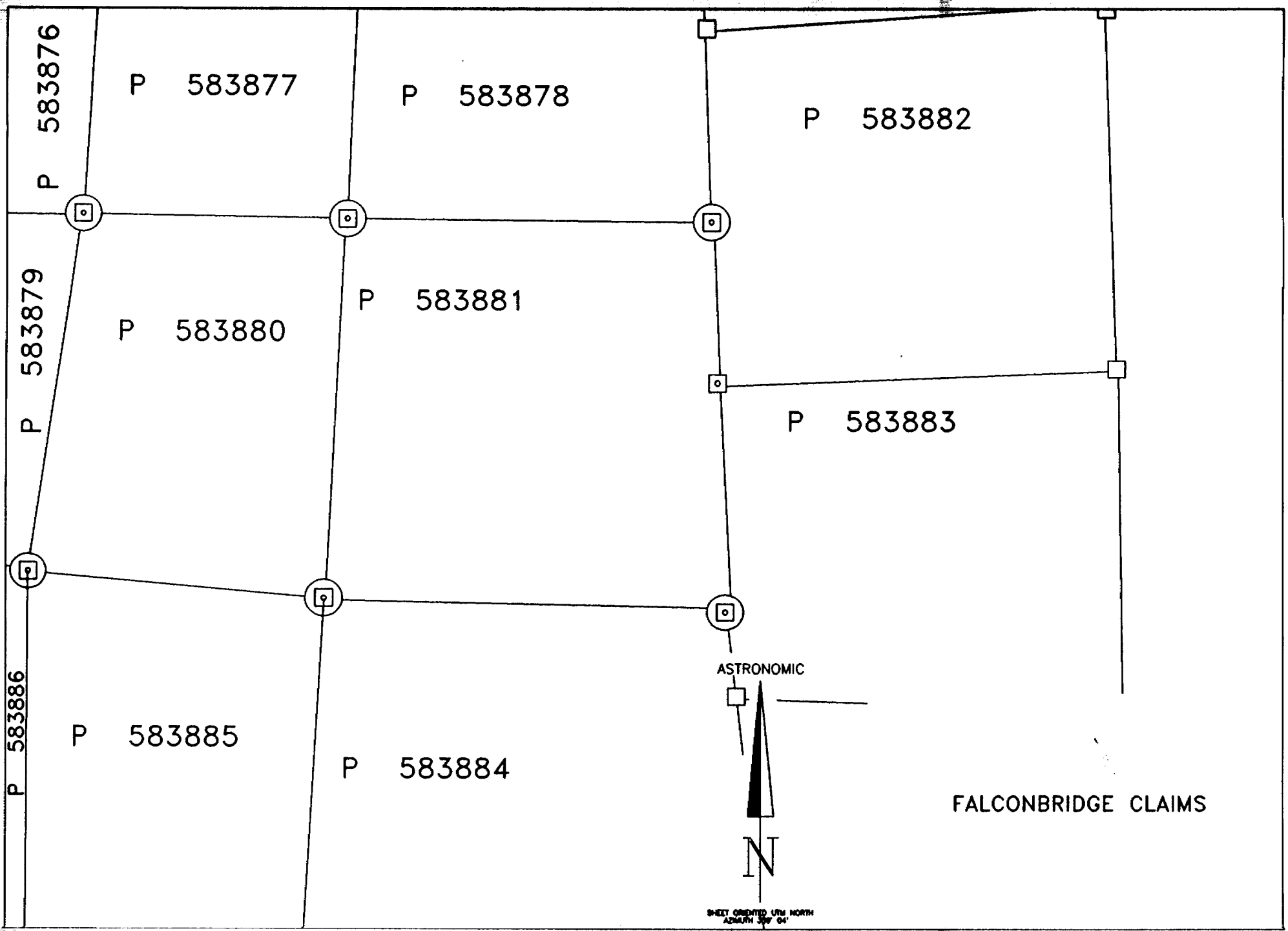
P 583883
P 583886
P 583885
P 583884
409500mE
410000mE
410500mE
5298500mN
5298000mN
GA61-07
GA61-06
GA61-01
GA61-02
GA61-03
GA61-04
GA61-05
Trail
POPLAR
High ground
POPLAR
ASTRONOMIC
N
SHEET ORIENTED UTM NORTH
AZIMUTH 359° 04'
FALCONBRIDGE LIMITED
Exploration Division
Timmins, ONTARIO
GENOA & MARION CLAIMS
DIAMOND DRILL HOLE TRACE
GENOA & MARION Twps.
Traced : PRICES 03/03/93
Drawn : d e l 03/03/93
Supervised : R.E. Godfrey 03/03/93
Revised :
NTS : 41-O/16
PROJECT No: 8668
MAP No:
FILE: 8668 C
Scale : 1 : 5000 (metres)
0 50 100 150 200



DIAMOND DRILL HOLE TRACE


P 583876
P 583877
P 583878
P 583882
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P 583883
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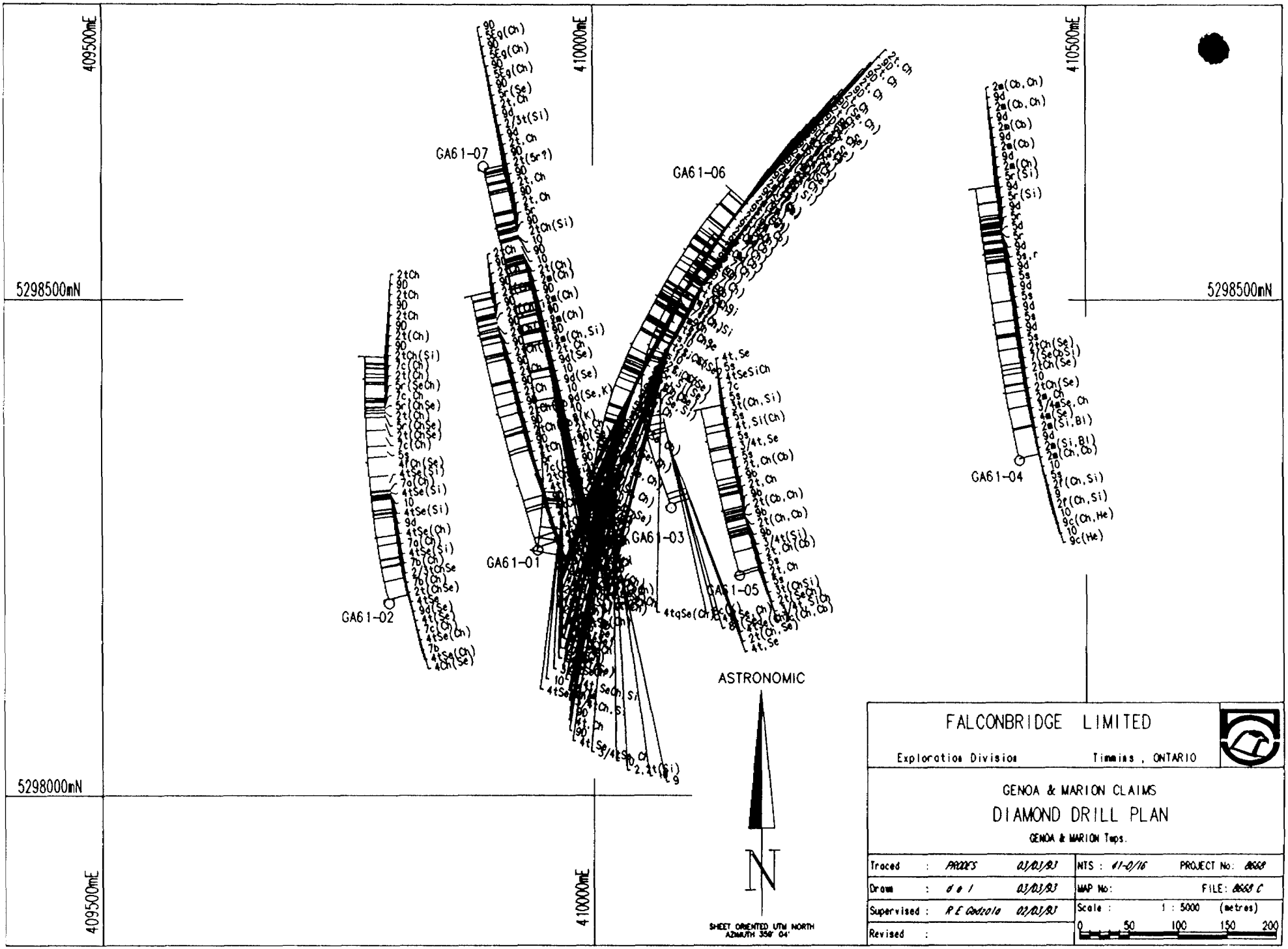
P 583884
ASTRONOMIC
N
SHEET ORIENTED UTM NORTH
AZIMUTH 359° 04'
FALCONBRIDGE CLAIMS



FALCONBRIDGE LIMITED

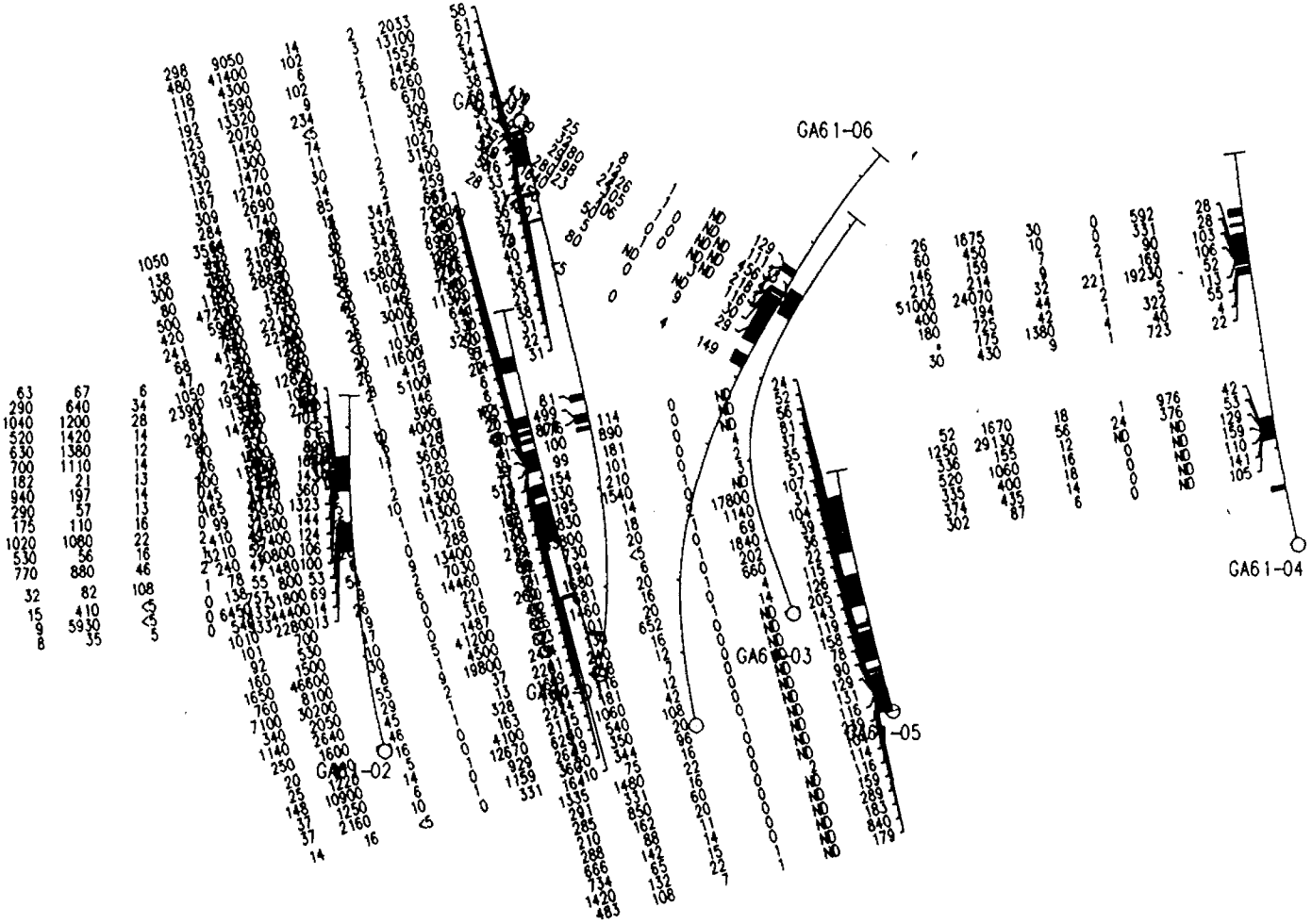
Exploration Division — Timmins, ONTARIO

GENOA & MARION CLAIMS

DIAMOND DRILL PLAN

GENOA & MARION Twps.

Traced	: PROCES	03/03/83	NTS : 41-0/16	PROJECT No: 8668	
Drawn	: d e l	03/03/83	MAP No:	FILE: 8668 C	
Supervised	: R E Godsole	03/03/83	Scale :	1 : 5000	(metres)
Revised	:		0	50 100 150 200	



ASSAYS

Cu >1000 ppm , Zn >1000 ppm , Au >100 ppb , Ag >10 ppm , Pb >100 ppm , Ni >100 ppm

HOLE NUMBER: GA61-01

FALCONBRIDGE LIMITED
DRILL HOLE RECORD

DATE: 01/28/1993
IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: 8668
PROJECT NUMBER: 8668
CLAIM NUMBER: P583881
LOCATION: NW GENOA TWP

PLOTTING COORDS GRID: UTM
NORTH: 5298267.71N
EAST: 409975.47E
ELEV: 439.57

ALTERNATE COORDS GRID: LINE
NORTH: 48+20N
EAST: 168+ 0E
ELEV: 439.57

COLLAR DIP: -50° 0' 0"
LENGTH OF THE HOLE: 346.00M
START DEPTH: 0.00M
FINAL DEPTH: 346.00M

COLLAR ASTRONOMIC AZIMUTH: 345° 0' 0"

GRID ASTRONOMIC AZIMUTH: 345° 0' 0"

DATE STARTED: 09/30/1992
DATE COMPLETED: 10/05/1992
DATE LOGGED: 10/14/1992

COLLAR SURVEY: YES
RQD LOG: NO
HOLE MAKES WATER: NO

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

CONTRACTOR: NOREX DRILLING
CASING: 5m BW in hole.
CORE STORAGE: KIDD MINE
UTM COORD.: YES

COMMENTS : To test HLEM "E" and to test below Pb/Zn inventory.
WEDGES AT:

DIRECTIONAL DATA:

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
20.00	341° 0' 0"	-48°30' 0"	S	OK	
80.00	344° 0' 0"	-46° 0' 0"	S	OK	
140.00	344° 0' 0"	-41° 0' 0"	S	OK	
200.00	346° 0' 0"	-38°30' 0"	S	OK	
260.00	347° 0' 0"	-35° 0' 0"	S	OK	
300.00	347° 0' 0"	-33° 0' 0"	S	OK	

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
-	-	-	-	-	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 4.75	OVERBURDEN «¦ob¦»					
4.75 TO 18.80	FELSIC TUFF «4tChSe»	-pale green to dark grey. -fine to medium grained. -strongly foliated/banded at 40-45°/CA. -3-5% garnets. -0.5-1% felsic fragments subangular, up to 1cm in diameter. -garnets are from 1mm to 10mm in diameter. -bloken up lower contact. -17.70-18.80m, lost core.		-moderate to strong chloritization and sericitization. -patchy moderate silicification. -sericitization is patchy. -chloritization is pervasive.	-trace pyrite.	
18.80 TO 59.25	FELSIC TUFF «4tSe»	-mediium grey with yellow-green sections. -fine to medium grained. -banded unit, banding/bedding at 40-50°/CA. -banding becomes closer to 40°/CA as one moves downhole. -unit is moderately hard. -unit contains trace to 0.5% tourmaline (needles up to 5mm in length). -unit has a sharp lower contact (irregular). -unit contains <0.5% lapilli sized felsic fragments. -fragments are silicified. -fragments are elongated parallel to bedding/foliation approximately 3-4:1. -unit contains 3-5% garnets (1-8mm in diameter, average size 1mm). -garnets are present in the more chloritic sections of the unit. -percentage of garnets decrease downhole. -37.75-37.87m, diabase dykelet at 50°/CA, magnetic. -38.37-38.39m, 1.5cm wide diabase stringer.		-moderate to strong sericitization. -weak chloritization. -patchy silicification.	-trace pyrite.	
59.25 TO 64.35	MAFIC DYKE OR LAMPRO-PYRIC DYKE «7b»	-medium grained. -dark green. -massive unit. -contains 3-5% biotite. -soft. -sharp lower contact at 80°/CA.		-moderately chloritic.	-trace pyrite.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		-unit contains chlorite clots (1-2%).				
64.35 TO 76.45	FELSIC INTRUSION (GRANO-DIORITE) «8(d)»	-medium to coarse grained. -pink-grey in colour. -massive unit. -last 30-50cm of the unit contains 15-20% quartz eyes in a fine grained matrix. -unit contains 1% chlorite clots/flecks. -last 30cm of unit contains wallrock fragments. -sharp lower contact at 50°/CA.		-weak hematization. -weak chloritization. -lower contact moderately bleached.	-trace pyrite.	
76.45 TO 143.95	INTER-MEDIATE TO FELSIC TUFF «4tSe(Ch)»	-light grey to dark yellow-green. -fine to medium grained. -similar to unit between 18.80-59.25m. -bedding/foliation at 40-60°/CA. -76.45-83.00m, bedding 45°/CA, -83.00-92.00m, 40-45°/CA, -92.00-93.00m, 45°/CA, -93.00-95.00m, 50°/CA, -95.00-100.00m, 55°/CA, -100.00-143.95m, 50-60°/CA. -gradational lower contact. -last 50-75cm of unit strongly sericitized and looks cherty. -104.80-106.60m, carbonate vein subparallel to CA, vein is 1.5-2cm wide. -wallrock is highly fractured with angular fragments in the vein. -trace pyrite in the vein.		-moderate to strong sericitization throughout unit. -weak to moderate chloritization (pervasive). -85.00-91.00m, moderate to strong chloritization (in fractures and bands) and strong sericitization (pervasive).	-trace pyrite. -87.12m, 0.5cm wide quartz-carbonate stringer with 2 galena clots (5mm in diameter).	
143.95 TO 148.70	FELSIC TUFF «4tCh»	-dark grey-green. -fine grained. -rare lapilli sized fragments. -weakly to moderately banded at 50-55°/CA. -sharp upper contact at 60°/CA, lower contact at 55°/CA. -unit is moderately to strongly magnetic. -contains 15-25% garnets and 3-5% magnetite.		-strong chloritization.	-1-3% pyrite (fracture controlled and beds). -trace to 0.5% sphalerite. -145.80-146.20m, 1-3% disseminated sphalerite, trace galena and chalcopyrite. -galena and chalcopyrite associated with quartz filled fractures. -trace pyrrhotite. -148.00-148.50m, 20-25% pyrite (weakly	-altered felsic next to the iron formation.

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
					banded).	
148.70 TO 168.58	SULPHIDE IRON FORMATION «5s»	-dark yellow-brown to black. -fine grained. -sharp upper contact at 55°/CA, sharp irregular lower contact. -unit is moderately banded at 50-60°/CA. -sulphides are present as bands and as nodules. -unit contains 10-15% felsic fragments and chlorite blebs. -increased felsic fragments in the last 0.5m of the unit. -149.20-149.55m, small band of felsics, similar to unit between 143.95-148.70m.		-strong chloritization (found in wallrock fragments).	-50-60% pyrite, 30-40% pyrrhotite, 5-10% magnetite. -trace chalcopyrite and sphalerite.	-present on surface. -represents HLEM "E".
168.58 TO 169.68	FELSIC ASH TUFF «4tCh(Se)»	-fine grained. -dark grey-green. -sharp irregular lower contact. -weakly banded at 50-55°/CA. -weakly magnetic, moderately hard. -1-3% quartz.		-moderate silicification. -moderate chloritization.	-unit contains 1-3% pyrite, 1% pyrrhotite. -sulphides are present in 1-3cm wide bands and in fractures.	-similar to unit before the iron formation.
169.68 TO 170.48	FELDSPAR PORPHYRY DYKE «9D»	-creamy grey-white. -fine grained groundmass with phenocrysts. -unit contains 60-70% feldspar phenocrysts. -phenocrysts up to 3mm in diameter. -sharp irregular lower contact.		-weak to moderate silicification.	-trace pyrite.	
170.48 TO 176.03	FELSIC TUFF «4t(Se)»	-fine grained. -light to medium grey-green. -unit has a sharp lower contact at 60°/CA. -very similar to unit between 168.58-169.68m. -weakly banded at 50°/CA.		-weak sericitization and chloritization.	-1-2% pyrite. -1-2% pyrrhotite. -sulphides present in bands parallel to banding and also present in fractures. -171.48-171.76m, 25% pyrite, 10% pyrrhotite.	
176.03 TO 195.10	MAFIC TUFF «2tCh(Si)»	-fine to medium grained. -medium grey-green. -massive to weakly banded/bedded with rare		-moderate chloritization.	-176.03-176.28m, 1-3% pyrrhotite,	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		lapilli sized fragments. -banding at 60°/CA. -slightly fractured at 25-30°/CA, fractures filled with quartz and carbonate. -weak graded bedding suggests tops to the north. -major faulting is last 3m of unit. -fault gouge from 192.35-192.60m, 192.65-192.72m, 193.00-193.07m, 193.80-194.40m, 194.60-194.80m and 194.90-195.10m. -gouge is at 55-60°/CA. -1-2% garnets present near lower part of unit (188.00-195.00m).		-weak to moderate silicification (decreases in strength downhole). -from 189.00-195.10m, unit is strongly chloritized.	trace sphalerite and chalcopyrite. -1% pyrite. -sulphides are in bands parallel to bedding/banding. -185.60-187.23m, 3-5% pyrrhotite, 1-3% pyrite, trace sphalerite and chalcopyrite. -pyrite and pyrrhotite are found in bands parallel to bedding, sphalerite and chalcopyrite finely disseminated throughout. -187.23-187.56m, 3-5% finely disseminated sphalerite, 1-2% galena, 1% chalcopyrite. -trace magnetite. -187.95-188.18m, 10% finely disseminated sphalerite, 2-3% finely disseminated galena and 1% chalcopyrite. -191.50-191.95m, 1-3% disseminated sphalerite, 1% disseminated galena, trace chalcopyrite, 1-3% pyrite. -192.75-193.00m, 3-5% sphalerite, 1% galena, trace chalcopyrite. -sulphides are finely disseminated. -193.10-193.70m, 1-3% sphalerite, trace galena, chalcopyrite. -sphalerite is finely disseminated and fracture controlled.	
195.10 TO 208.45	MAFIC INTRUSIVE «7c(Ch)»	-medium to dark green. -medium to coarse grained. -massive unit. -moderate hardness. -slightly magnetic. -unit is weakly fractured, with fractures oriented between 30-50°/CA. -average orientation is 40°/CA. -unit contains chlorite specks throughout. -sharp irregular lower contact.		-weak to moderate chloritization.		
208.45 TO 223.97	SEDIMENTS OR IRON FORMATION «Sr»	-yellow-green to black. -dark bands are fine grained. -yellow-green areas are medium grained.				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		-strongly bedded/banded. -bedding at 60°/CA (over first 3m of unit), rest of unit at 50°/CA. -strongly magnetic (dark beds are stronger magnetically than lighter beds). -212.55-212.65m, fault gouge and breccia at 60°/CA. -sharp irregular lower contact.		-moderate sericitization. -strong silicification.	-208.45-211.00m, 1% sphalerite (sphalerite is fracture controlled and parallel to bedding). -211.00-212.50m, 3-4% sphalerite, 1% chalcopyrite, 0.5-1% galena, 1% pyrite, 1% pyrrhotite. -sulphides are fracture controlled and finely disseminated, also present parallel to bedding. -212.57-212.77m, 1% fracture controlled sphalerite. -213.48-213.67m, trace sphalerite. -215.18-215.90m 1-2% pyrite, 2-3% sphalerite, trace to 0.5% galena, chalcopyrite. -sulphides are fracture controlled, and parallel to bedding. -217.72-218.00m, 1% sphalerite, trace chalcopyrite. -218.71-219.05m, 1-3% sphalerite, 1% chalcopyrite, trace galena, pyrrhotite. -sulphides are fracture controlled.	-represents HLEM "D".
223.97 TO 235.35	MAFIC TUFF «2tCh(Si)»	-dark grey-green. -fine to medium grained. -weakly bedded with massive sections. -bedding at 50-55°/CA. -slightly fractured at 25-35°/CA. -fractures crosscut bedding and are filled with quartz. -moderate hardness. -sightly magnetic. -1-3% garnets in first 2m of unit. -sharp irregular lower contact.		-moderate to strong chloritization. -patchy weak to moderate silicification.	-233.91-233.98m, 3-4% pyrite, weakly bedded parallel to bedding. -234.10-234.37m, 10-15% pyrite, weakly bedded to bedding. -234.58-234.73m, 85-90% pyrite, bedded at 50°/CA.	
235.35 TO 237.85	FELDSPAR PORPHYRY DYKE «9D»	-medium to coarse grained. -grey. -massive unit, finer grained near contacts. -unit contains 80-90% feldspar phenocrysts. -phenocrysts are 1-4mm in diameter, average size 1mm. -sharp lower contact at 50°/CA.		-weak chloritization.	-trace pyrite.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
237.85 TO 264.47	MAFIC TUFF «2tCh(Cb)»	-medium to dark grey-green. -medium grained. -bedded unit, becoming massive with depth, bedding at 55-60°/CA. -unit contains 1-2% garnets, (amount decreases with depth). -unit has small (<2mm) wide carbonate filled fractures which crosscut the bedding. -more massive areas contain small (<0.5mm) long white leucoxenes. -small bands of dravite are present. -sharp lower contact at 50°/CA.		-moderate chloritization. -weak patchy carbonatization.	-trace to 1% pyrite. -pyrite is present along fractures and bedding planes.	
264.47 TO 269.35	FELDSPAR PORPHYRY DYKE «9D»	-grey. -coarse grained. -sharp upper and lower contacts. -upper contact at 50°/CA, lower contact at 30°/CA. -70-80% phenocrysts, average size 1-2mm.			-trace pyrite.	
269.35 TO 272.10	MAFIC TUFF «2tCh(Cb)»	-similar to unit between 237.85-264.47m. -sharp lower contact at 60°/CA.				
272.10 TO 272.90	FELDSPAR PORPHYRY DYKE «9D»	-similar to unit between 264.47-269.35m.				
272.90 TO 286.20	MAFIC TUFF «2tCh»	-medium to dark green. -fine to medium grained. -similar to unit between 237.85-264.47m. -bedding at 55-60°/CA. -2-3% garnets (1-3mm in diameter).		-moderate chloritization.	-trace pyrite and pyrrhotite.	
286.20 TO 292.82	FELDSPAR PORPHYRY DYKE «9D»	-creamy grey-brown. -coarse grained. -75-80% phenocrysts. -phenocrysts from 1-5mm in diameter, average size 2mm. -sharp upper contact (60°/CA) and lower contact (40°/CA).				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		-trace epidote. -some of the phenocrysts look like orthocase. -most phenocrysts are angular.				
292.82 TO 294.42	MAFIC TUFF «2tCh»	-similar to unit between 272.90-286.20m. -moderately magnetic. -sharp lower contact at 55°/CA.				
294.42 TO 295.35	FELDSPAR PORPHYRY DYKE «9D»	-similar to unit between 286.20-289.82m. -irregular lower contact.				
295.35 TO 300.57	MAFIC TUFF «2tCh(Si)»	-dark green. -fine to medium grained. -weakly bedded at 55-60°/CA. -moderately hard. -modrately to strongly magnetic. -unit contains 2-3% garnets and finely disseminated magnetite. -sharp lower contact at 60°/CA. -slightly fractured. -fractures have an irregular orientation and are filled with carbonate.		-moderate silicification. -moderate to strong chloritization.	-295.35-299.90m, trace pyrite. -299.90-300.57m, 2-3% pyrite, 1-2% pyrrhotite, trace sphalerite, chalcopyrite. -sulphides are weakly banded parallel to bedding.	
300.57 TO 303.18	FELDSPAR PORPHYRY DYKE «9D»	-medium grained. -grey. -unit contains 50-60% phenocrysts, average size 0.5mm. -unit also contains 20-25% chlorite blebs/ flakes. -unit is moderately hard and has sharp contacts. -upper contact at 60°/CA, lower contact at 50°/CA.		-weak chloritization (matrix).	-trace pyrite.	
303.18 TO 308.83	MAFIC TUFF «2tCh(Si)»	-dark green. -similar to unit between 295.35-300.57m. -moderately to strongly magnetic, moderately hard. -magnetism decreases in strength downhole. -2-3% garnets. -sharp lower contact at 45°/CA. -appears that the strongest magnetism (areas with		-moderate to strong chloritization. -patchy moderate silicification.	-303.18-304.00m, 1% pyrite, trace chalcopyrite, pyrrhotite, sphalerite.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		the most magnetite) occurs in the areas with the most garnet.				
308.83 TO 309.74	FELDSPAR PORPHYRY DYKE «9D»	-grey. -similar to the dyke between 286.20-292.82m. -sharp irregular lower contact.				
309.74 TO 316.00	MAFIC TUFF «2t(ChSi)»	-dark green. -similar to unit between 303.18-308.83m, except less magnetic. -sharp lower contact at 50°/CA.		-moderate chloritization and silicification.	-trace pyrite.	
316.00 TO 318.00	FELDSPAR PORPHYRY DYKE «9D»	-grey. -similar to unit between 286.20-292.82m. -sharp irregular lower contact.				
318.00 TO 320.57	MAFIC TUFF «2t(Ch)»	-light grey-green. -similar to unit between 309.74-316.00m except less altered. -sharp lower contact along a fault gouge. -gouge is approximately 1cm wide and at 70-75°/CA.		-weak to moderate chloritization.		
320.57 TO 328.50	FELDSPAR PORPHYRY DYKE «9D»	-light to medium grey. -similar to previous dykes except contains chloritized fragments of wallrock (<0.5%). -fragments are <1cm long. -sharp irregular lower contact.		-weak hematite staining.	-trace pyrite.	
328.50 TO 338.18	MAFIC TUFF «2tCh»	-medium to dark grey-green. -fine grained. -similar to previous mafic units. -bedding at 55-60°/CA. -unit contains 1-2% garnets. -weakly magnetic in areas. -sharp lower contact at 40°/CA.		-moderate to strong chloritization.	-trace pyrite.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
338.18 TO 339.36	FELDSPAR PORPHYRY DYKE «9D»	-similar to dyke between 320.57-328.50m. -sharp irregular lower contact.				
339.36 TO 346.00	MAFIC TUFF «2tCh»	-similar to unit between 328.50-338.18m.			-trace pyrite.	
346.00 TO 346.00	E.O.H.					

HOLE NUMBER : GA61-01 ASSAYS SHEET DATE: 28/01/1993

Sample	From (M)	To (M)	Leng. (M)	Cu ppm	Zn ppm	Au ppb	Ag ppm	Pb ppm	Ni ppm									
AM06990	86.00	87.00	1.00	40	31	0	0.0	0	17									
AM06991	87.00	87.30	0.30	14	16	0	0.1	331	10									
AM06992	87.30	88.30	1.00	26	29	0	0.0	1	11									
AM06901	142.45	143.95	1.50	14	69	0	0.0	8	35									
AVE.	143.95	147.70	3.75	47	2719	8	0.5	3770	19	0	0	0	0	0	0	0	0	0
AM06902	143.95	144.75	0.80	37	2160	10	0.7	1159	20									
AM06903	144.75	145.75	1.00	37	1250	6	0.3	929	19									
AM06904	145.75	146.25	0.50	148	10900	14	1.1	12670	30									
AM06905	146.25	147.70	1.45	25	1220	5	0.3	4100	15									
AM06906	147.70	148.70	1.00	20	240	16	0.1	163	24									
AM06907	148.70	150.20	1.50	48	66	48	0.2	18	54									
AM06908	150.20	151.70	1.50	40	210	52	0.2	9	44									
AM06909	151.70	153.20	1.50	44	360	20	0.3	6	46									
AM06910	153.20	154.70	1.50	54	192	50	0.2	1	54									
AM06911	154.70	156.20	1.50	52	340	44	0.3	0	48									
AM06912	156.20	157.70	1.50	35	370	48	0.2	1	32									
AM06913	157.70	159.20	1.50	41	237	54	0.3	4	47									
AM06914	159.20	160.70	1.50	38	410	38	0.2	4	44									
AM06915	160.70	162.20	1.50	35	430	62	0.3	7	37									
AM06916	162.20	163.70	1.50	31	330	46	0.2	6	30									
AM06917	163.70	165.20	1.50	47	203	44	0.3	9	47									
AM06918	165.20	166.70	1.50	54	370	70	0.3	7	53									
AM06919	166.70	167.70	1.00	43	225	49	0.3	1	39									
AM06920	167.70	168.58	0.88	40	450	52	0.4	5	36									
AM06922	168.58	169.68	1.10	28	180	16	0.1	36	21									
AM06923	169.68	170.48	0.80	16	44	44	0.0	1	20									
AM06924	170.48	171.48	1.00	19	107	5	0.0	11	18									
AM06925	171.48	172.04	0.56	250	1600	46	0.7	328	90									
AM06926	172.04	172.44	0.40	160	166	28	0.3	12	68									
AM06927	172.44	173.44	1.00	33	108	5	0.0	11	32									
AM06928	175.00	176.00	1.00	18	54	6	0.0	1	25									
AM06929	176.00	176.40	0.40	162	110	12	0.0	4	59									
AM06930	176.40	177.40	1.00	96	43	8	0.0	0	57									
AM06931	184.10	185.60	1.50	104	87	19	0.0	0	36									
AVE.	185.60	189.72	4.12	1168	8541	27	2.1	6012	36	0	0	0	0	0	0	0	0	0
AM06932	185.60	186.60	1.00	1140	2640	45	1.4	13	49									
AM06933	186.60	187.23	0.63	340	2050	29	2.4	37	41									
AM06934	187.23	187.57	0.34	7100	30200	55	9.3	19800	34									
AM06935	187.57	187.87	0.30	760	8100	8	1.3	4500	23									
AM06936	187.87	188.22	0.35	1650	46600	30	5.0	41200	25									
AM06937	188.22	189.72	1.50	160	1500	10	0.3	1487	32									
AM06938	189.72	191.22	1.50	92	530	17	0.2	316	30									
AM06939	191.22	191.50	0.28	101	700	9	0.3	221	21									
AM06940	191.50	191.95	0.45	1010	22800	26	6.4	14460	32									
AM06942	192.75	193.00	0.25	540	44400	9	2.3	7030	24									
AM06943	193.10	193.70	0.60	6450	31800	54	9.2	13400	20									
AM06944	207.45	208.45	1.00	138	800	6	0.3	288	50									

Sample	From (M)	To (M)	Leng. (M)	Cu ppm	Zn ppm	Au ppb	Ag ppm	Pb ppm	Ni ppm									
AVE.	208.45	220.65	12.20	642	9543	13	2.3	4757	24	0	0	0	0	0	0	0	0	0
AM06945	208.45	209.50	1.05	78	1480	28	0.8	1216	51									
AM06946	209.50	211.00	1.50	240	10800	8	1.1	11300	14									
AM06947	211.00	212.50	1.50	3210	37400	0	9.6	14300	73									
AM06948	212.50	212.88	0.38	410	14800	5	2.5	5700	19									
AM06949	212.88	213.40	0.52	99	2950	8	0.7	1282	4									
AM06950	213.40	213.70	0.30	165	4440	16	0.9	3600	5									
AM06951	213.70	215.15	1.45	45	1350	12	0.8	426	7									
AM06952	215.15	216.00	0.85	700	11000	8	2.5	4000	42									
AM06953	216.00	217.25	1.25	86	1600	6	0.7	396	6									
AM06954	217.25	217.65	0.40	60	550	0	0.7	146	6									
AM06955	217.65	218.10	0.45	290	14200	14	2.0	5100	22									
AM06956	218.10	218.65	0.55	81	1350	0	0.9	415	5									
AM06957	218.65	219.15	0.50	2390	19500	9	5.1	11600	30									
AM06958	219.15	220.65	1.50	105	2450	43	0.9	1036	7									
AM06959	220.65	222.15	1.50	47	250	28	0.6	116	4									
AM06960	222.15	223.65	1.50	68	4130	48	1.2	3000	19									
AM06962	223.65	223.97	0.32	241	750	60	1.6	146	40									
AM06963	223.97	225.47	1.50	132	224	25	0.4	96	73									
AM06964	232.85	233.85	1.00	74	236	6	0.3	17	50									
AVE.	233.85	235.35	1.50	311	12448	11	2.7	3957	193	0	0	0	0	0	0	0	0	0
AM06965	233.85	234.50	0.65	420	5960	13	3.1	1600	271									
AM06966	234.50	234.80	0.30	500	47200	18	5.7	15800	272									
AM06967	234.80	235.35	0.55	80	1160	5	0.6	282	58									
AM06968	239.90	241.40	1.50	226	106	5	0.3	34	58									
AM06969	241.40	241.70	0.30	990	60	15	0.4	8	52									
AM06970	241.70	242.70	1.00	79	66	5	0.2	4	40									
AM06971	246.85	247.85	1.00	92	70	6	0.2	4	28									
AM06972	247.85	248.15	0.30	43	81	6	0.1	0	30									
AM06973	248.15	249.15	1.00	68	50	5	0.2	0	35									
AM06974	249.80	250.80	1.00	115	39	6	0.2	1	27									
AM06975	250.80	251.15	0.35	300	420	5	0.6	343	45									
AM06976	251.15	252.70	1.55	138	330	6	0.3	332	36									
AM06977	252.70	253.70	1.00	134	52	0	0.2	5	47									
AM06978	253.70	254.40	0.70	330	85	8	0.3	5	46									
AM06979	254.40	255.40	1.00	138	81	6	0.3	2	39									
AM06980	295.35	296.85	1.50	192	78	6	0.2	0	32									
AM06982	296.85	298.35	1.50	173	45	10	0.2	0	26									
AM06983	298.35	299.85	1.50	192	72	7	0.2	0	30									
AM06984	299.85	300.57	0.72	1050	3510	25	1.5	347	57									
AM06985	300.57	302.07	1.50	41	106	6	0.3	2	26									
AM06986	302.07	303.18	1.11	22	69	76	0.0	6	23									
AM06987	303.18	304.00	0.82	280	145	8	0.4	0	45									
AM06988	304.00	305.50	1.50	228	158	48	0.3	1	37									
AM06989	305.50	307.00	1.50	106	104	30	0.0	2	28									

HOLE NUMBER : GA61-01 GEOCHEMICAL ASSAY DATE: 28/01/1993

Sample	From (M)	To (M)	Leng. (M)	SIO2 %	AL2O3 %	CAO %	MGO %	NA2O %	K2O %	FE2O3 %	TIO2 %	P2O5 %	MNO %	CR2O3 %	LOI %	SUM %	Y PPM	ZR PPM	BA PPM	RB PPM	SR PPM	CO2 %	CU PPM	ZN PPM	NI PPM	CR PPM	FIELD NAME	CHEM ID	ALUM
AN05919	11.00	14.00	3.00	69.92	17.25	1.45	1.38	0.37	1.90	4.39	0.35	0.14	0.21	0.04	2.09	99.49	8	116	200				10	55	20			4PR*	464
AN05920	41.00	44.00	3.00	76.10	15.73	2.61	1.17	0.56	0.96	1.78	0.33	0.10	0.07	0.04	1.53	100.98	4	130	120				15	50	<10			4PR*	381
AN05921	80.00	83.00	3.00	63.31	19.32	4.55	2.01	0.77	2.46	2.82	0.36	0.12	0.10	0.02	3.42	99.24	6	124	620				5	30	<10			3?	248
AN05922	110.00	113.00	3.00	70.25	14.03	3.42	2.14	0.13	1.34	3.94	0.27	0.10	0.19	0.06	2.27	98.11	<2	112	90				<5	20	20			4PR*	287
AN05923	134.00	137.00	3.00	75.37	16.20	1.75	0.42	0.13	2.74	0.82	0.29	0.10	0.01	0.04	2.05	99.89	6	126	350				<5	35	<10			4PR*	351
AN05924	144.00	147.00	3.00	62.50	12.11	0.54	3.21	0.05	0.40	17.15	0.22	0.08	1.07	0.05	2.39	99.76	4	128	70				<5	65	<10			2v*	1223
AN05925	173.00	176.00	3.00	68.20	17.77	2.11	2.04	0.51	2.56	3.80	0.36	0.10	0.12	0.03	2.54	100.16	8	96	190				<5	45	20			4PR*	343
AN05926	182.00	185.00	3.00	53.18	15.63	6.38	9.77	0.59	0.92	10.35	0.59	0.08	0.16	0.05	2.59	100.29	14	34	220				135	40	40			2u	198
AN05927	203.00	205.00	2.00	53.85	15.48	7.69	7.50	0.82	0.86	10.22	0.73	0.22	0.18	0.03	1.31	98.91	22	88	270				85	45	70			2u	165
AN05928	226.00	229.00	3.00	50.62	17.74	5.72	7.95	0.42	2.72	11.70	0.61	0.10	0.17	0.05	2.89	100.67	16	40	310				50	70	80			2u	200
AN05929	260.00	263.00	3.00	53.03	14.21	8.77	5.78	0.55	0.82	15.20	1.21	0.14	0.22	0.04	0.96	100.91	24	76	210				115	85	70			2v	140
AN05930	296.00	299.00	3.00	52.65	14.19	6.17	4.24	0.47	0.58	17.65	1.39	0.14	0.21	0.04	0.99	98.73	42	86	270				145	90	50			2v	197
AN05931	334.00	337.00	3.00	58.33	14.68	6.19	2.31	0.58	0.78	12.93	1.55	0.16	0.26	0.04	1.17	98.98	32	110	330				155	90	40			2w	194

Sample	From (M)	To (M)	Leng. (M)	AG PPM	AU PPB	CO PPM	PB PPM	S PPM	V PPM	AS PPM	SN PPM	CD PPM	SB PPM	BI PPM	SE PPM	HF PPM	TA PPM	W PPM	MO PPM	TH PPM	U PPM	B PPM	CS PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	GD PPM
AN05919	11.00	14.00	3.00			5		300																					
AN05920	41.00	44.00	3.00			<5		500																					
AN05921	80.00	83.00	3.00			5		200																					
AN05922	110.00	113.00	3.00			<5		200																					
AN05923	134.00	137.00	3.00			<5		1600																					
AN05924	144.00	147.00	3.00			5		1500																					
AN05925	173.00	176.00	3.00			5		600																					
AN05926	182.00	185.00	3.00			35		400																					
AN05927	203.00	205.00	2.00			40		700																					
AN05928	226.00	229.00	3.00			40		1400																					
AN05929	260.00	263.00	3.00			50		1200																					
AN05930	296.00	299.00	3.00			50		800																					
AN05931	334.00	337.00	3.00			50		1400																					

Sample	From (M)	To (M)	Leng. (M)	DY PPM	ER PPM	LU PPM	OS PPB	IR PPB	RU PPB	RH PPB	PT PPB	PD PPB	LI PPM	BE PPM	MN PPM	GA PPM	GE PPM	IN PPM	TL PPM	SC PPM	BR PPM	YB PPM	NB PPM
AN05919	11.00	14.00	3.00																				
AN05920	41.00	44.00	3.00																				
AN05921	80.00	83.00	3.00																				
AN05922	110.00	113.00	3.00																				
AN05923	134.00	137.00	3.00																				
AN05924	144.00	147.00	3.00																				
AN05925	173.00	176.00	3.00																				
AN05926	182.00	185.00	3.00																				
AN05927	203.00	205.00	2.00																				
AN05928	226.00	229.00	3.00																				
AN05929	260.00	263.00	3.00																				
AN05930	296.00	299.00	3.00																				
AN05931	334.00	337.00	3.00																				

HOLE NUMBER: GA61-02

FALCONBRIDGE LIMITED
DRILL HOLE RECORD

DATE: 01/28/1993
IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: 8668
PROJECT NUMBER: 008668
CLAIM NUMBER: P583881
LOCATION: NW GENOA TWP

PLOTTING COORDS GRID: UTM
NORTH: 5298212.86N
EAST: 409824.21E
ELEV: 436.77

ALTERNATE COORDS GRID: LINE
NORTH: 48+25N
EAST: 166+50E
ELEV: 436.77

COLLAR DIP: -50° 0' 0"
LENGTH OF THE HOLE: 326.00M
START DEPTH: 0.00M
FINAL DEPTH: 326.00M

COLLAR ASTRONOMIC AZIMUTH: 345° 0' 0"

GRID ASTRONOMIC AZIMUTH: 345° 0' 0"

DATE STARTED: 10/05/1992
DATE COMPLETED: 10/09/1992
DATE LOGGED: 10/28/1992

COLLAR SURVEY: YES
RQD LOG: NO
HOLE MAKES WATER: NO

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

CONTRACTOR: NOREX DRILLING
CASING: 6.0m BW
CORE STORAGE: MINESITE
UTM COORD.: YES

COMMENTS : To test strike extent of Pb/Zn showing. Hole 150m west of showing.
WEDGES AT:

DIRECTIONAL DATA:

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
26.00	350° 0' 0"	-48° 0' 0"	S	OK	
86.00	351° 0' 0"	-44°30' 0"	S	OK	
146.00	353° 0' 0"	-40° 0' 0"	S	OK	
206.00	° ' "	-35° 0' 0"	A	OK	
266.00	° ' "	-32°30' 0"	A	OK	
326.00	° ' "	-29°30' 0"	A	OK	

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
-	-	-	-	-	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 6.65	OVERBURDEN «|ob|»					
6.65 TO 34.40	FELSIC TUFF «4Ch(Se)»	-fine to medium grained. -medium to dark grey-green. -unit is weakly banded/bedded. -bedding is between 35-55°/CA. -average 40-45°/CA. -darker bands are chlorite rich, moderately to strongly magnetic. -darker bands contain 3-5% garnets. -garnets are 1-3mm in diameter. -unit is moderately hard. -unit contains up to 1% lapilli sized fragments. -fragments are elongated 3-4:1, felsic in composition and subrounded. -unit is strongly foliated parallel to bedding (40-50°/CA). -gradational lower contact.		-moderate to strong pervasive chloritization. -weak to moderate sericitization.	-trace pyrite. -trace to 0.5% magnetite.	-similar to top of GA61-01.
34.40 TO 55.71	FELSIC TUFF «4tSe(Ch)»	-fine grained. -light grey-green. -weakly banded/bedded unit. -bedding at 50°/CA. -unit contains rare lapilli sized felsic fragments. -fragments are subrounded. -unit is moderately foliated parallel to bedding. -unit contains 0.5-1% tourmaline laths. -trace amounts of garnets present in the more chloritic sections. -sharp lower contact at 85-90°/CA.		-moderate to strong sericitization (pervasive). -weak patchy chloritization.	-trace pyrite.	
55.71 TO 56.75	MAFIC DYKE «7b»	-medium green. -medium grain size. -massive unit. -sharp lower contact at 45°/CA.		-weak to moderate chloritization.	-trace pyrite.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
56.75 TO 66.41	FELSIC TUFF «4tSe(Ch)»	-medium grey-green. -fine to medium grained. -similar to unit between 34.40-55.71m, except 1-2% garnets, increasing to 3-5%, in the last part of the unit (62.50-66.41m). -garnets are 1-2mm in diameter. -sharp lower contact at 60°/CA. -unit is bedded at 45-50°/CA.		-unit becomes weakly to moderately chloritized in the last 4m of unit. -moderate to strong sericitization.	-trace pyrite.	
66.41 TO 67.80	MAFIC DYKE «7c(Ch)»	-dark grey-green. -medium to coarse grained. -massive unit. -contains 3-5% biotite and 1-2% chlorite flakes/ clots. -contains 1% carbonate filled irregular fractures. -sharp contacts at 55°/CA.		-moderate chloritization.	-trace pyrite.	
67.80 TO 88.10	FELSIC TUFF «4t(Se)»	-fine grained. -medium grey with darker green bands. -bedded/banded unit. -bedding at 45-50°/CA. -rare lapilli sized fragments. -moderate foliation parallel to bedding. -from 67.80-76.00m, unit contains 10-15% chlorite rich bands. -first 10m of the unit contains 5-10% garnets. -garnets range in size from 1-8mm, average size 1-2mm. -last part of the unit contains 3-5% garnets, average size 1mm. -sharp lower contact at 20°/CA. -87-24-87.43m, QFP dyke. -1% tourmaline needles.		-moderate sericitization. -chlorite rich bands. -last 2.5-3m of unit moderately to strongly silicified.	-trace pyrite in chlorite rich areas.	
88.10 TO 99.60	FELSIC INTRUSION (QUARTZ FELDSPAR PORPHYRY) «9d(Se)»	-creamy grey. -coarse grained. -massive unit. -sharp lower contact at 80-90°/CA. -unit contains 15-20% feldspar phenocrysts. -phenocrysts are up to 6mm in diameter. -average size 1-2mm.		-moderate sericitization.	-trace to 0.5% pyrite.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		-unit contains 2-3% mafic specks (biotite). -unit contains 1-3% chlorite clots. -unit is slightly finer grained as the lower contact is approached.				
99.60 TO 125.28	FELSIC TUFF «4tSe»	-creamy yellow-grey to dark grey. -fine to medium grained. -banded to massive. -banding varies from 55-60°/CA in the first 10m of the unit to 50-55° in the remaining part of the unit. -unit is weakly fractured parallel to bedding. -fractures are chlorite filled. -3-5% garnets (1-2mm size) between 101.80-102.00m, 111.10-112.55m. -unit contains 1% tourmaline. -sharp lower contact at 55°/CA.		-moderate to strong pervasive sericitization. -very strong sericitization between 119.0-125.0m. -patchy moderate chloritization and silicification.	-trace pyrite.	
125.28 TO 130.15	MAFIC TUFF «2t(ChSe)»	-medium to dark grey-green. -bedded unit, bedding at 55°/CA. -sharp irregular lower contact. -unit contains 10-15% garnets, 1mm average size.		-moderate sericitization and chloritization. -weak silicification.	-trace pyrite.	
130.15 TO 131.42	MAFIC DYKE «7b(Ch)»	-medium grained. -medium to dark grey-green. -massive unit. -sharp lower contact at 45°/CA. -1-2% chlorite flakes.		-moderate chloritization.		
131.42 TO 135.58	MAFIC TO INTER-MEDIATE TUFF «2/3tChSe»	-light to medium grey-green. -fine grained. -similar to unit between 125.28-130.15m, except unit contains 15-20% felsic beds. -bedding at 55-65°/CA. -3-5% garnets, average size 2-4mm. -sharp lower contact at 55°/CA.			-1% pyrite.	
135.58 TO 135.93	MAFIC DYKE «7b(Ch)»	-similar to unit between 130.15-131.42m. -sharp lower contact at 50°/CA.				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
135.93 TO 149.90	FELSIC TUFF «4tSe(Si)»	-light grey to yellow-green. -fine grained. -bedded unit, bedding at 55-60°/CA. -unit contains trace tourmaline. -143.00-144.35m, 3-5% garnets in a more chloritic section. -sharp lower contact at 45°/CA. -trace to 0.5% lapilli sized felsic fragments. -fragments are subrounded.		-weak pervasive chloritization. -strong sericitization. -moderate to strong silicification in last 2m of unit.	-trace pyrite.	
149.90 TO 150.81	MAFIC DYKE «7a(Ch)»	-fine grained. -medium green. -similar to unit between 130.15-131.42m. -sharp lower contact at 65°/CA.		-moderate chloritization.	-1% pyrite.	
150.81 TO 151.80	FELSIC TUFF «4tSe(Ch)»	-buff-yellow-grey. -fine grained. -similar to unit between 135.93-149.90m, except no visible lapilli. -sharp irregular lower contact.				
151.80 TO 153.02	QUARTZ FELDSPAR PORPHYRY «9d»	-coarse grained. -buff-grey. -massive unit. -contains 5% quartz eyes (1mm in diameter) and 90% feldspar phenocryst (1-3mm in size, average 1mm). -irregular lower contact.		-weak sericitization.	-trace pyrite.	
153.02 TO 155.65	FELSIC TUFF «4tSe(Si)»	-buff-grey-yellow. -fine to very fine grained. -bedded unit, bedding at 60°/CA. -unit contains trace tourmaline. -rare lapilli sized felsic fragments. -sharp lower contact at 65°/CA.		-strong sericitization. -moderate patchy silicification.		
155.65 TO 156.13	DIABASE «10»	-black. -fine grained. -massive. -strongly magnetic.				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		-hard. -sharp lower contact at 55°/CA.				
156.13 TO 160.35	FELSIC TUFF «4tSe(Si)»	-fine grained. -buff-yellow-grey. -similar to unit between 153.02-155.65m. -bedding at 60°/CA. -trace tourmaline. -sharp lower contact at 50°/CA. -160.09-160.14m, mafic dyke stringer.		-strong sericitization. -weak to moderate silicification.		
160.35 TO 161.66	MAFIC DYKE «7a(Ch)»	-medium green. -medium grained. -similar to unit between 130.15-131.42m. -sharp lower contact at 55°/CA.				
161.66 TO 180.90	FELSIC TUFF «4tSe(Si)»	-fine grained. -buff-yellow-grey. -similar to unit between 153.02-155.65m. -gradational lower contact. -bedding at 60°/CA.		-strong sericitization. -moderate silicification (patchy). -weak to moderate pervasive chloritization.	-trace pyrite.	
180.90 TO 205.75	FELSIC FRAGMENTAL «4fCh(Se)»	-dark grey-green. -fine grained matrix with large lapilli, small bomb fragments. -unit contains 60-70% fragments. -fragments are felsic and angular to subangular in shape. -average fragment size 1-2cm, up to 5cm in diameter. -matrix contains 10-20% garnets (1-3mm in size). -matrix is weakly magnetic (patchy). -irregular pink-red carbonate filled fractures are present. -sharp lower contact at 50°/CA.		-strong chloritization (present in matrix). -fragments are moderately silicified and sericitized.	-20% pyrite in last 2m of unit, trace to 1% pyrrhotite. -198.35-198.55m, 1-3% galena, trace pyrrhotite. -galena in carbonate vein.	
205.75 TO 219.15	SULPHIDE IRON FORMATION «5s»	-brown to brass-yellow. -fine to coarse grained. -unit is very magnetic and moderately hard. -unit contains approximately 40% pyrite, 40%		-weak to moderate chloritization and sericitization.	-40% pyrite. -40% pyrrhotite.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		pyrrhotite and 20% cherty material. -sulphides are weakly bedded at 45-50°/CA. -average is 50°/CA. -sulphides have areas that are semi-massive. -cherty areas between 212.17-212.74m, 217.05-217.60m, 218.35-218.80m. -sharp lower contact at 60°/CA.		-alteration in the cherty areas.		
219.15 TO 239.00	MAFIC INTRUSIVE «7c(Ch)»	-dark green. -medium to coarse grained. -massive unit. -1-2m chill margin on the upper contact. -gradational lower contact. -unit contains 2-3% chlorite flakes. -from 223.50-229.50m, rubbly core, fault area? -226.20-226.60m, broken core, fault area. -229.40-229.50m, 2mm wide fault gouge at 25°/CA.		-moderate chloritization.	-trace pyrite.	
239.00 TO 254.42	MAFIC TUFF «2t(ChSe)»	-light to medium grey-green. -fine to medium grained. -weakly bedded unit, bedding at 55-60°/CA. -1% chlorite flakes. -1-2% garnets (1-2mm). -slightly magnetic. -sharp lower contact at 70°/CA.		-weak to moderate pervasive sericitization and chloritization.	-249.15-249.94m, 5% pyrrhotite, 1% pyrite, trace chalcopyrite. -sulphides are disseminated along bedding.	
254.42 TO 259.72	SILICIFIED SEDIMENTS OR IRON FORMATION «5r(ChSe)»	-grey-black. -fine grained. -banded, strongly magnetic unit. -bedding at 65-70°/CA. -darker bands (60-70% of unit) are cherty and magnetic. -lighter bands are coarser, but magnetic. -sharp lower contact at 65°/CA. -from 254.60-255.40m, strong chloritization.		-moderate chloritization and sericitization.	-5-10% pyrrhotite. -trace chalcopyrite. -15-20% magnetite. -255.42-256.20m, trace to 0.5% chalcopyrite, 2-5% pyrrhotite.	-similar to unit in GA61-01.
259.72 TO 263.25	MAFIC TUFF «2t(Ch)»	-fine grained. -medium grained. -weakly bedded to massive unit. -sharp lower contact at 40°/CA. -unit contains 1% garnets, average size 2-3mm.		-weak to moderate chloritization.	-trace pyrite.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
263.25 TO 266.20	SILICIFIED SEDIMENTS OR IRON FORMATION «5r(ChSe)»	-fine grained. -medium to dark grey. -similar to unit between 254.42-259.72m. -sharp lower contact at 70°/CA.			-263.50-263.61m, 70% pyrrhotite, trace chalcopyrite, 30% quartz. -264.44-264.55m, 60% pyrrhotite, trace chalcopyrite.	
266.20 TO 266.75	MAFIC DYKE «7c,Ch»	-dark green. -coarse grained. -massive. -sharp lower contact at 55°/CA.		-moderate to strong chloritization.		
266.75 TO 273.00	SILICIFIED SEDIMENTS OR IRON FORMATION «5r(SeCh)»	-yellow-grey bands and dark grey bands. -fine grained. -similar to unit between 254.42-259.72m. -bedding at 80-85°/CA.			-266.75-267.00m, 10% pyrrhotite. -268.08-268.58m, 20% pyrrhotite, trace chalcopyrite. -270.30-270.52m, 10% pyrrhotite, trace pyrite. -272.90-273.00m, 20% pyrrhotite, trace chalcopyrite.	
273.00 TO 274.85	MAFIC TUFF «2t(Ch)»	-dark green. -fine grained. -similar to unit between 259.72-263.25m. -sharp lower contact at 85°/CA.		-moderate chloritization.	-1-2% pyrite in the last 35cm of unit.	
274.85 TO 277.59	MAFIC INTRUSIVE «7c(Ch)»	-medium green. -medium to coarse grained. -similar to unit between 219.15-239.00m, except no chill margin and unit contains 2-3% biotite. -sharp lower contact at 70°/CA.		-moderate chloritization.		
277.59 TO 293.80	MAFIC TUFF «2tCh(Si)»	-medium to dark green. -fine grained. -weakly bedded unit, bedding at 70°/CA. -unit contains trace garnets and 2-3% biotite. -unit is slightly magnetic and moderately hard. -281.60-282.00m, irregular quartz vein. -283.50-283.62m, irregular quartz vein.		-moderate chloritization. -patchy weak to moderate silicification.	-281.00-285.50m, 1% pyrite (disseminated). -trace pyrrhotite throughout unit.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		-285.00-285.23m, irregular quartz vein. -289.27-289.53m, irregular QFP intrusion. -291.30-291.65m, fault zone, gouge at 85°/CA. -sharp lower contact at 75°/CA.				
293.80 TO 296.23	FELDSPAR PORPHYRY DYKE «9D»	-creamy grey. -coarse grained. -massive unit. -50-60% feldspar phenocrysts (average size 1-2mm). -1% chlorite and biotite flakes. -matrix is fine grained and silicified. -sharp lower contact at 70-75°/CA.		-weak sericitization.	-trace pyrite.	
296.23 TO 302.00	MAFIC TUFF «2t(Ch)»	-medium to dark green. -fine grained. -similar unit between 259.72-263.25m. -sharp lower contact at 60°/CA.		-moderate chloritization.		
302.00 TO 306.15	FELDSPAR PORPHYRY DYKE «9D»	-spotted white-grey. -fine grained matrix with phenocrysts. -massive unit with 80% phenocrysts. -phenocrysts are up to 4mm in diameter, average size 2mm. -phenocrysts are feldspar in composition. -matrix may contain leucoxenes. -sharp lower contact at 50°/CA.		-weak chloritization and sericitization.	-trace pyrite.	
306.15 TO 312.40	MAFIC TUFF «2tCh»	-dark green. -similar to unit between 259.72-263.25m. -irregular lower contact. -bedding at 60-65°/CA. -1-2% garnets, 2-3mm in size.		-moderate to strong chloritization.	-trace to 0.5% pyrite.	
312.40 TO 313.26	FELDSPAR PORPHYRY DYKE «9D»	-similar to unit between 302.00-306.15m. -sharp lower contact at 65°/CA.				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
313.26 TO 316.85	MAFIC TUFF «2tCh»	-similar to unit between 259.72-263.25m. -bedding at 65-70°/CA. -sharp lower contact at 50°/CA.				
316.85 TO 318.26	FELDSPAR PORPHYRY DYKE «9D»	-similar to unit between 302.00-306.15m. -sharp lower contact at 45°/CA.				
318.26 TO 326.00	MAFIC TUFF «2tCh»	-similar to unit between 259.72-263.25m. -bedding at 70°/CA. -1-3% garnets (2-3mm in size).		-moderate to strong chloritization.	-trace pyrite.	
326.00 TO 326.00	E.O.H.					

Sample	From (M)	To (M)	Leng. (M)	Cu ppm	Zn ppm	Au ppb	Ag ppm	Pb ppm	Ni ppm
AN05684	196.80	198.30	1.50	8	35	5	0.2	533	13
AN05685	198.30	198.60	0.30	9	5930	0	0.2	1433	14
AN05686	198.60	200.10	1.50	15	410	0	0.1	757	69
AN05687	200.10	201.60	1.50	11	75	0	0.1	56	13
AN05688	201.60	203.10	1.50	17	67	0	0.2	38	18
AN05689	203.10	204.60	1.50	18	52	0	0.1	29	13
AN05690	204.60	205.75	1.15	17	122	31	0.2	45	25
AN05691	205.75	207.25	1.50	32	164	52	0.1	54	45
AN05692	207.25	208.75	1.50	42	157	76	0.3	63	52
AN05693	208.75	210.25	1.50	58	216	78	0.3	63	78
AN05694	210.25	211.75	1.50	38	287	64	0.2	61	45
AN05695	211.75	212.17	0.42	54	138	68	0.2	58	40
AN05696	212.17	212.75	0.58	19	60	28	0.1	37	40
AN05697	212.75	214.25	1.50	40	140	70	0.3	57	59
AN05698	214.25	215.75	1.50	46	520	74	0.3	56	46
AN05699	215.75	217.05	1.30	44	190	90	0.4	60	51
AN05700	217.05	217.80	0.75	15	39	10	0.0	27	18
AN05639	217.60	218.35	0.75	46	202	70	0.4	54	52
AN05640	218.35	218.80	0.45	26	133	18	0.2	33	33
AN05642	218.80	219.15	0.35	32	82	108	0.6	55	53
AN05643	219.15	220.65	1.50	54	125	6	0.3	21	58
AN05644	247.65	249.15	1.50	8	45	8	0.1	14	20
AN05645	249.15	249.95	0.80	770	880	46	1.5	47	100
AN05646	249.95	251.45	1.50	155	162	10	0.2	31	44
AN05647	251.45	252.95	1.50	330	134	7	0.5	43	67
AN05648	252.95	254.42	1.47	82	78	9	0.3	31	90
AN05649	254.42	255.42	1.00	530	56	16	1.0	52	106
AN05650	255.42	256.20	0.78	1020	1080	22	2.5	49	124
AN05743	256.20	257.70	1.50	280	367	10	0.7	82	62
AN05744	257.70	258.70	1.00	350	70	20	0.3	34	48
AN05745	258.70	259.72	1.02	230	36	13	0.0	26	36
AN05746	259.72	260.30	0.58	148	58	30	0.0	24	69
AN05747	260.30	261.70	1.40	80	140	10	0.0	30	89
AN05748	261.70	263.25	1.55	175	110	16	0.2	31	144
AN05749	263.25	263.65	0.40	290	57	13	0.2	40	1323
AN05750	263.65	264.35	0.70	44	100	6	0.1	27	63
AM06871	264.35	264.65	0.30	940	197	14	0.5	45	360
AM06872	264.65	266.20	1.55	182	21	13	0.1	24	143
AM06873	266.20	266.70	0.50	18	305	0	0.1	38	50
AM06874	266.70	267.05	0.35	700	1110	14	0.6	56	168
AM06875	267.05	268.00	0.95	49	40	0	0.2	23	11
AM06876	268.00	268.60	0.60	630	1380	12	0.9	54	89
AM06877	268.60	270.10	1.50	68	41	5	0.1	20	12
AM06878	270.10	270.60	0.50	520	1420	14	0.8	37	61
AM06879	270.60	272.10	1.50	85	54	8	0.2	21	19
AM06880	272.10	272.70	0.60	143	251	8	0.3	27	24
AM06882	272.70	273.00	0.30	1040	1200	28	1.6	45	103

Sample	From (M)	To (M)	Leng. (M)	Cu ppm	Zn ppm	Au ppb	Ag ppm	Pb ppm	Ni ppm
AM06883	273.00	274.50	1.50	115	218	7	0.3	29	61
AM06884	274.50	274.85	0.35	290	640	34	0.5	45	109
AM06885	274.85	275.85	1.00	63	67	6	0.2	25	111

HOLE NUMBER : GA61-02 GEOCHEMICAL ASSAY DATE: 28/01/1993

Sample	From (M)	To (M)	Leng. (M)	SIO2 %	AL2O3 %	CAO %	MGO %	NA2O %	K2O %	FE2O3 %	TIO2 %	P2O5 %	MNO %	CR2O3 %	LOI %	SUM %	Y PPM	ZR PPM	BA PPM	RB PPM	SR PPM	CO2 %	CU PPM	ZN PPM	NI PPM	CR PPM	FIELD NAME	CHEM ID	ALUM
AN05932	20.00	23.00	3.00	67.95	15.54	2.16	1.67	0.49	1.74	7.23	0.34	0.12	0.26	0.04	2.48	100.03	8	160	190				25	340	10			2x*	354
AN05933	41.00	44.00	3.00	74.25	15.75	1.80	1.64	0.50	1.42	1.80	0.32	0.14	0.06	0.04	1.84	99.56	8	158	210				20	50	50			4PR*	423
AN05934	59.00	62.00	3.00	76.50	15.37	1.18	0.63	0.48	2.28	1.73	0.32	0.12	0.05	0.04	1.81	100.51	12	132	210				<5	30	<10			4PR*	390
AN05935	77.00	80.00	3.00	73.80	14.57	3.03	0.80	0.51	1.30	3.34	0.29	0.10	0.17	0.02	1.20	99.14	6	114	210				<5	45	10			4PR*	301
AN05937	95.00	98.00	3.00	69.84	14.28	4.23	1.44	0.72	1.34	6.04	0.24	0.10	0.32	0.05	1.33	99.94	4	100	330				20	40	50			4PR	227
AN05936	107.00	110.00	3.00	73.96	16.73	1.96	0.98	0.20	2.48	1.13	0.33	0.12	0.04	0.05	2.17	100.12	6	160	510				10	35	20			4PR*	361
AN05938	126.00	129.00	3.00	69.45	14.70	3.94	1.42	0.77	1.28	5.64	0.24	0.10	0.29	0.05	1.30	99.20	6	94	330				10	35	<10			4PR	245
AN05939	140.00	143.00	3.00	74.44	15.53	3.95	2.02	0.11	0.36	1.58	0.32	0.16	0.06	0.04	2.27	100.84	8	104	120				10	25	20			4PR*	351
AN05940	170.00	173.00	3.00	77.00	14.85	3.19	1.28	0.07	0.22	0.58	0.26	0.10	0.02	0.03	2.01	99.57	<2	136	30				15	30	<10			4PR*	427
AN05941	185.00	188.00	3.00	68.03	12.83	0.87	2.99	0.13	1.04	11.78	0.24	0.08	0.49	0.04	2.47	100.99	2	134	100				10	40	20			4PR*	629
AN05942	221.00	224.00	3.00	54.50	11.63	6.15	11.63	0.79	2.52	9.43	0.58	0.28	0.17	0.12	1.36	99.15	14	82	670				40	160	210			1	123
AN05943	242.00	245.00	3.00	54.80	15.52	8.35	7.15	0.15	1.44	9.58	0.51	0.08	0.13	0.05	2.80	100.56	10	50	180				35	30	50			2u	156
AN05944	269.00	272.00	3.00	60.96	0.67	0.91	4.08	<0.01	0.08	33.02	0.03	0.06	0.68	0.02	0.03	100.54	8	14	30				55	120	30			1	67
AN05945	284.00	287.00	3.00	51.71	16.21	8.58	5.50	0.49	1.82	12.50	0.61	0.08	0.31	0.05	1.66	99.53	20	40	210				70	85	50			2w	149
AN05946	308.00	311.00	3.00	52.63	13.46	8.57	4.88	0.57	0.38	16.91	1.42	0.14	0.31	0.02	0.51	99.81	30	88	250				140	95	40			2v	141
AN05947	323.00	326.00	3.00	60.05	14.61	6.30	2.81	0.59	0.80	10.39	1.53	0.18	0.26	0.04	0.80	98.34	32	96	190				100	265	30			2w	190

Sample	From (M)	To (M)	Leng. (M)	AG PPM	AU PPB	CO PPM	PB PPM	S PPM	V PPM	AS PPM	SN PPM	CD PPM	SB PPM	BI PPM	SE PPM	HF PPM	TA PPM	W PPM	MO PPM	TH PPM	U PPM	B PPM	CS PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	GD PPM
AN05932	20.00	23.00	3.00			10		700																					
AN05933	41.00	44.00	3.00			<5		100																					
AN05934	59.00	62.00	3.00			<5		400																					
AN05935	77.00	80.00	3.00			5		100																					
AN05937	95.00	98.00	3.00			5		500																					
AN05936	107.00	110.00	3.00			<5		200																					
AN05938	126.00	129.00	3.00			<5		600																					
AN05939	140.00	143.00	3.00			<5		400																					
AN05940	170.00	173.00	3.00			<5		200																					
AN05941	185.00	188.00	3.00			5		1300																					
AN05942	221.00	224.00	3.00			40		4000																					
AN05943	242.00	245.00	3.00			30		200																					
AN05944	269.00	272.00	3.00			10		3400																					
AN05945	284.00	287.00	3.00			30		4600																					
AN05946	308.00	311.00	3.00			40		1400																					
AN05947	323.00	326.00	3.00			35		2000																					

Sample	From (M)	To (M)	Leng. (M)	DY PPM	ER PPM	LU PPM	OS PPB	IR PPB	RU PPB	RH PPB	PT PPB	PD PPB	LI PPM	BE PPM	MN PPM	GA PPM	GE PPM	IN PPM	TL PPM	SC PPM	BR PPM	YB PPM	NB PPM
AN05932	20.00	23.00	3.00																				
AN05933	41.00	44.00	3.00																				
AN05934	59.00	62.00	3.00																				
AN05935	77.00	80.00	3.00																				
AN05937	95.00	98.00	3.00																				
AN05936	107.00	110.00	3.00																				
AN05938	126.00	129.00	3.00																				
AN05939	140.00	143.00	3.00																				
AN05940	170.00	173.00	3.00																				
AN05941	185.00	188.00	3.00																				
AN05942	221.00	224.00	3.00																				
AN05943	242.00	245.00	3.00																				
AN05944	269.00	272.00	3.00																				
AN05945	284.00	287.00	3.00																				
AN05946	308.00	311.00	3.00																				
AN05947	323.00	326.00	3.00																				

HOLE NUMBER: GA61-03

FALCONBRIDGE LIMITED
DRILL HOLE RECORD

DATE: 01/28/1993
IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: 8668
PROJECT NUMBER: 008668
CLAIM NUMBER: P583881
LOCATION: NW GENOA TWP

PLOTTING COORDS GRID: UTM
NORTH: 5298310.07N
EAST: 410111.45E
ELEV: 439.61

ALTERNATE COORDS GRID: LINE
NORTH: 48+25N
EAST: 169+50E
ELEV: 439.61

COLLAR DIP: -60° 0' 0"
LENGTH OF THE HOLE: 510.00M
START DEPTH: 0.00M
FINAL DEPTH: 510.00M

COLLAR ASTRONOMIC AZIMUTH: 345° 0' 0"

GRID ASTRONOMIC AZIMUTH: 345° 0' 0"

DATE STARTED: 10/13/1992
DATE COMPLETED: 10/16/1992
DATE LOGGED: 11/24/1992

COLLAR SURVEY: YES
RQD LOG: NO
HOLE MAKES WATER: NO

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

CONTRACTOR: NOREX DRILLING
CASING: 6m BW
CORE STORAGE: MINESITE
UTM COORD.: YES

COMMENTS : To test Zn, Pb mineralized zone along strike. Hole extended 210m between Nov. 11-19/92.
WEDGES AT:

DIRECTIONAL DATA:

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
20.00	341° 0' 0"	-56° 0' 0"	S	OK	
80.00	341° 0' 0"	-56° 0' 0"	S	OK	
140.00	338° 0' 0"	-55° 0' 0"	S	OK	
200.00	354° 0' 0"	-56° 0' 0"	S	OK	
260.00	17° 0' 0"	-54° 0' 0"	S	OK	
298.00	20° 0' 0"	-54° 0' 0"	S	OK	
360.00	° ' "	-51° 0' 0"	A	OK	
420.00	34° 0' 0"	-51° 0' 0"	S	OK	
480.00	34° 0' 0"	-50° 0' 0"	S	OK	
510.00	° ' "	-51°30' 0"	A	OK	

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
-	-	-	-	-	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 6.27	OVERBURDEN «ob»					
6.27 TO 16.90	FELSIC TUFF «4t,Se»	-fine grained. -creamy yellow-grey. -bedded unit, bedding at 30-35°/CA. -unit is soft and non-magnetic. -unit appears to be moderately foliated parallel to bedding. -sharp lower contact at 30°/CA. -unit contains 1-2% tourmaline laths.		-weak chloritization. -strong sericitization.		
16.90 TO 27.36	MAFIC TUFF «2t(Ch,Se)»	-fine grained. -medium to dark grey-green. -start of unit is weakly bedded to semi-massive. -bedding increases in strength downhole. -bedding is at 30-35°/CA at start of unit, becomes 20°/CA at 19.0-20.0m and subparallel to the core axis at 21.0-22.0m. -from 23.0m to end of unit, bedding increases to 55°/CA. -unit is soft and slightly magnetic. -sharp lower contact at 55°/CA.		-weak to moderate sericitization. -moderate chloritization. -weak carbonatization.		
27.36 TO 139.36	FELSIC TUFF «4tSe(Ch)»	-fine grained. -light grey-green with yellow-green areas. -bedded unit, bedding ranges between 25-50°/CA. -average bedding at 30-35°/CA. -unit contains areas of more mafic to intermediate composition. -these areas contain 1-2% garnets (1mm in size). -areas are between 33.50-34.50m, 54.50-55.00m, 61.50-63.00m. -unit contains 1-2% tourmaline. -unit is moderately hard and slightly magnetic (in mafic rich areas). -78.50-103.00m, 1-2% garnets, (1-3mm in size, average 1mm). -from 70.00-97.00m, bedding at 30-35°/CA, 97.00-109.00m, bedding at 25°/CA, becomes 20°/CA at 109.00m. -from 109.00-112.00m, bedding becomes 15-20°/CA.		-weak to moderate pervasive chloritization. -moderate to strong sericitization. -moderate patchy silicification. -78.50-103.00m, moderate to strong pervasive chloritization.	-trace pyrite (in the mafic rich areas).	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		-112.00-118.00m, bedding 5-10°/CA. -118.00-127.00m, subparallel to parallel to bedding. -127.20-127.80m, area is highly contorted and looks like a fold nose or hinge. -127.80-139.36m, unit is subparallel to 5°/CA. -sharp lower contact at 25°/CA.				
139.36 TO 146.10	FELSIC INTRUSIVE (GRANO-DIORITE) «8c(Se)»	-medium to coarse grained. -medium pink-grey. -massive unit. -unit is hard and slightly magnetic. -unit contains 1-3% feldspar phenocrysts (2-3mm in size) and 3-5% mafic grains. -weak fracturing at 45°/CA. -fractures are filled with tourmaline. -sharp irreguar lower contact. -145.59-146.10m, bull white quartz vein with 2-3% tourmaline. -irregular lower contact. -upper contact at 40°/CA.		-weak to moderate sericitization. -weak potassic alteration.	-trace 1% pyrite.	
146.10 TO 156.54	FELSIC TUFF «4t(Se,Ch)»	-light to medium grey. -fine grained. -similar to unit between 27.36-139.36m. -bedding at 20-25°/CA. -sharp irregular lower contact.		-moderate pervasive chloritization and sericitization. -strong silicification near contacts.	-trace pyrite.	
156.54 TO 173.35	FELSIC INTRUSIVE «8c(K)»	-medium grained. -light to medium grey-pink. -similar to unit between 139.36-146.10m. -sharp irregular lower contact. -169.74-170.30m, felsic tuff inclusion. -similar to unit between 146.10-156.54m except strong sericitization.		-weak to moderately potassic alteration.	-1% pyrite. -some pyrite is present in fractures.	
173.35 TO 275.95	FELSIC TUFF «4tqSe(Ch)»	-light grey to medium grey-green. -fine grained. -bedded unit, bedding between 30-40°/CA, average of 35°/CA. -unit is moderately hard and slightly magnetic (magnetic in more mafic areas).		-moderate to strong sericitization. -weak to moderate pervasive chloritization. -patchy strong silicification.	-trace pyrite.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		-mafic rich areas between 217.00-218.00m, 223.00-224.50m. -these areas contain 2-3% garnets (1-2mm in size). -unit contains 1-2% tourmaline. -202.00-215.00m, 0.5% blue quartz eyes (1-5mm in diameter). -sharp lower contact at 70°/CA.				
275.95 TO 281.00	MAFIC INTRUSION (GABBROIC DYKE) «7c(Ch)»	-medium to dark green. -coarse grained. -massive unit. -occasional irregular carbonate filled fractures. -unit is weakly magnetic. -sharp lower contact at 80°/CA.		-weak to moderate chloritization. -weak carbonatization.		
281.00 TO 284.95	FELSIC TUFF «4t(Se)Ch»	-similar to unit between 173.35-275.95m. -bedding at 35-40°/CA. -sharp lower contact at 45°/CA.				
284.95 TO 294.95	INTER-MEDIATE TUFF «3t(Ch)»	-medium pink-grey with white bands. -fine grained. -bedded unit, bedding at 30°/CA. -unit contains 15-20% felsic rich beds. -mafic/intermediate beds contain 50-60% garnets (1-2mm in size). -moderate hardness. -trace tourmaline. -gradational lower contact.		-moderate chloritization. -patchy silicification.	-trace pyrite.	
294.95 TO 315.88	FELSIC TUFF «4tSe(Ch)»	-similar to unit between 173.35-275.95m. -bedding at 35-40°/CA. -unit is starting to become more intermediate in composition. -the intermediate bands contain 3-5% garnets (1-3mm in size) and comprise approximately 20% of the unit. -last 5-6m of the unit are more felsic in composition and contain 50% quartz and feldspar bands. -sharp lower contact at 30°/CA. -313.00-313.25m, small "Z" fold.		-moderate to strong sericitization. -weak chloritization (found in bands).	-trace pyrite.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
315.88 TO 316.65	MAFIC TUFF «2t,Ch»	-dark green. -fine grained. -unit is bedded at 30°/CA and contains 10-15% garnets (1mm in size). -sharp lower contact at 30°/CA. -unit is moderately to strongly magnetic and soft.		-moderate to strong chloritization.	-3-5% magnetite.	
316.65 TO 326.85	FELSIC INTRUSION (GRANO-DIORITE) «8c(He)»	-pink-grey. -medium to coarse grained. -massive unit, hard. -unit contains 5% mafic grains. -sharp lower contact at 30°/CA. -unit contains 1-2% feldspar phenocrysts (1-3mm in size). -321.95-322.59m, felsic tuff inclusion, white, fine grained, strongly altered. -contacts at 30°/CA. -3-5% quartz eyes along inclusion contacts.		-weak sericitization. -weak to moderate hematization.	-trace pyrite.	
326.85 TO 329.58	QUARTZ FELDSPAR PORPHYRY DYKE «9d»	-medium grey-white. -coarse grained. -massive unit containing 70-75% feldspar phenocrysts and 5-10% quartz eyes. -phenocrysts are up to 4mm in size (average size 2mm). -unit is hard and has a sharp lower contact at 25°/CA.		-weak to moderate silicification and sericitization.	-trace pyrite.	
329.58 TO 334.65	FELSIC TUFF «4t,Se»	-creamy yellow-grey. -fine grained. -bedded unit, bedding at 30-40°/CA. -unit is soft and contains 1% tourmaline. -sharp irregular lower contact.		-strong sericitization.		
334.65 TO 336.10	MAFIC DYKE «7b»	-medium green. -fine to medium grained. -massive unit, soft and slightly magnetic. -sharp lower contact at 30°/CA. -rare carbonate filled fractures.		-weak chloritization.	-trace pyrite.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
336.10 TO 337.69	FELSIC TUFF «4t,Se»	-bedded unit, similar to unit between 329.58-334.58m. -bedding at 35°/CA. -sharp lower contact at 40°/CA.				
337.69 TO 366.60	MAFIC TO INTER-MEDIATE TUFF «3t(Ch,Se)»	-grey to pink-grey. -medium grained. -bedded unit, bedding at 40°/CA. -unit is weakly magnetic and soft. -unit contains 10% felsic beds. -mafic beds contain 10-15% garnets (1-4mm in size, average 1-2mm). -sharp lower contact at 40°/CA.		-weak to moderate sericitization. -weak to moderate chloritization.	-0.5-1% pyrite. -pyrite is disseminated throughout.	
366.60 TO 369.54	FELSIC INTRUSIVE «9d»	-similar to unit between 326.85-329.58m. -sharp lower contact at 35°/CA.				
369.54 TO 370.11	MAFIC TUFF «2t(Se,Ch)»	-similar to unit between 337.69-366.60m. -sharp lower contact at 55°/CA.				
370.11 TO 371.80	MAFIC DYKE «7b»	-medium grained. -medium to dark green. -massive unit, contains irregular carbonate filled fractures. -unit is soft and slightly magnetic. -unit has a sharp lower contact at 55°/CA.		-weak carbonatization.		
371.80 TO 372.25	MAFIC TUFF «2t(Se,Ch)»	-similar to unit between 337.69-366.60m. -sharp lower contact at 50°/CA.				
372.25 TO 372.74	FELSIC INTRUSIVE «9d»	-similar to unit between 326.85-329.58m. -sharp lower contact at 40°/CA.				
372.74 TO 379.00	MAFIC TUFF «2t(Se,Ch)»	-similar to unit between 337.69-366.60m. -bedding at 35°/CA. -sharp lower contact at 25°/CA.		-378.00-379.00m, moderate to strong chloritization.	-378.00-379.00m, 10-15% disseminated pyrite.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
379.00 TO 379.42	FELSIC INTRUSIVE «9D»	-medium grey and medium grained. -massive unit; sharp lower contact at 40°/CA. -unit is soft and non-magnetic.		-moderate sericitization.	-1% pyrite.	
379.42 TO 380.25	MAFIC TUFF «2t(Se,Ch)»	-similar to unit between 337.69-366.60m. -sharp lower contact at 40°/CA. -bedding at 35-40°/CA.				
380.25 TO 383.50	SULPHIDE FACIES IRON FORMATION «5s»	-brassy yellow-brown. -medium grained. -unit is semi-massive to weakly bedded. -bedding between 25-40°/CA. -average of 35°/CA. -unit contains 90% sulphides. -wallrock fragments are subrounded. -sharp lower contact at 40°/CA. -381.90-382.70m, 60% chloritized wallrock fragments.		-rock fragments are strongly chloritized.	-50% pyrite, 50% pyrrhotite. -pyrite is coarser grained than the pyrrhotite.	
383.50 TO 384.65	DIABASE «10»	-dark grey-black. -fine grained. -massive, hard, magnetic. -sharp lower contact at 45°/CA.				
384.65 TO 397.80	SULPHIDE FACIES IRON FORMATION «5s»	-brassy yellow-brown. -medium to coarse grained. -semi-massive to weakly bedded, bedding at 40-45°/CA. -sharp lower contact at 40°/CA. -unit contains 90-95% sulphides.		-rock fragments are silicified.	-50% pyrite, 50% pyrrhotite. -pyrite is slightly coarser grained than the pyrrhotite.	
397.80 TO 398.95	CHERT AND SULPHIDE IRON FORMATION «5s(Se,Si)»	-creamy grey to yellow-brown. -fine to medium grained. -semi-massive to weakly bedded. -bedding at 40°/CA. -unit contains 90% chert and 10% sulphides. -gradational lower contact. -fractures are filled with chlorite and are irregular in orientation.		-chert sections are weakly to moderately sericitized and chloritized.	-sulphides consist of 60% pyrrhotite and 40% pyrite. -sulphides are fracture controlled and along bedding planes.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
398.95 TO 399.85	MAFIC TUFF «2tCh(Se)»	-medium green. -fine grained. -unit is bedded at 35-40°/CA. -unit contains up to 0.5% lapilli sized fragments (mafic). -sharp lower contact at 30°/CA.		-strong chloritization.		
399.85 TO 404.70	OXIDE FACIES IRON FORMATION «5r,Si(Se)»	-medium grey. -fine grained. -bedded unit, bedding at 40-50°/CA. -average of 40°/CA. -unit contains 25-30% chert and 65-70% oxide iron formation beds. -unit is strongly magnetic and hard. -sharp lower contact at 50°/CA.		-moderate to strong silicification. -weak to moderate sericitization and chloritization.	-3-5% pyrrhotite, 1% pyrite and 10-15% magnetite. -sulphides are present along bedding planes and in fractures.	
404.70 TO 405.58	MAFIC TUFF «2t,Ch(Se)»	-medium green. -fine grained. -weakly bedded at 35°/CA. -sharp lower contact at 40°/CA. -similar to unit between 398.95-399.85m.				
405.58 TO 405.84	DIABASE «10»	-fine grained. -black. -similar to unit between 383.50-384.65m. -sharp lower contact at 50°/CA.				
405.84 TO 406.11	MAFIC TUFF «2t,Ch(Se)»	-similar to unit between 404.70-405.58m and 398.95-399.85m. -sharp irregular lower contact.				
406.11 TO 407.21	DIABASE «10»	-fine grained. -black. -similar to unit between 383.50-384.65m. -sharp lower contact at 70°/CA.				
407.21 TO 420.67	MAFIC INTRUSIVE «7(Ch)»	-medium to dark green. -fine to medium grained. -unit becomes coarser grained downhole. -massive unit.		-weak to moderate chloritization.	-trace pyrite.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		-moderate foliation at 35-40°/CA. -unit is slightly fractured parallel to foliation. -fractures are filled with quartz and carbonate. -unit is slightly magnetic and moderately hard. -unit contains up to 1% leucoxenes (0.5 in length). -sharp lower contact at 45°/CA.				
420.67 TO 421.53	FELDSPAR PORPHYRY DYKE «90»	-medium grey. -coarse grained. -massive, sharp lower contact at 25°/CA. -contains 50% feldspar phenocrysts (up to 3mm in size). -looks like previous feldspar dykes.		-weak to moderate sericitization.	-trace pyrite.	
421.53 TO 425.80	MAFIC INTRUSIVE «7(Ch)»	-similar to unit between 407.21-420.67m. -sharp lower contact at 45°/CA.				
425.80 TO 427.15	FELSIC INTRUSIVE «9d»	-medium grained. -fine grained matrix with large phenocrysts. -massive unit with 60% phenocrysts (1-4mm in size, average 2mm). -phenocryst consist of 40% feldspar and 60% quartz. -sharp lower contact at 50°/CA.		-weak sericitization.	-trace pyrite.	
427.15 TO 427.53	MAFIC INTRUSIVE «7(Ch)»	-similar to unit between 407.21-420.67m. -sharp lower contact at 30°/CA.				
427.53 TO 430.34	FELSIC INTRUSIVE «9d»	-similar to unit between 425.80-427.15m. -sharp lower contact at 35°/CA.				
430.34 TO 431.31	MAFIC INTRUSIVE «7(Ch)»	-similar to unit between 407.21-420.67m. -sharp lower contact at 40°/CA.				
431.31 TO 431.69	FELSIC INTRUSIVE «9d»	-similar to unit between 425.80-427.15m. -sharp lower contact at 70°/CA.				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
431.69 TO 432.85	MAFIC INTRUSIVE «7(Ch)»	-similar to unit between 407.21-420.67m. -sharp lower contact at 25°/CA.				
432.85 TO 433.76	FELSIC INTRUSIVE «9d»	-similar to unit between 425.80-427.15m. -sharp lower contact at 40°/CA.				
433.76 TO 437.31	MAFIC INTRUSIVE «7(Ch)»	-similar to unit between 407.21-420.67m. -sharp lower contact at 20°/CA.				
437.31 TO 449.47	FELSIC INTRUSIVE «9d»	-similar to unit between 425.80-427.15m. -unit contains up to 80-85% phenocrysts and 1-3% mafic grains. -sharp lower contact at 40°/CA.			-1% pyrite.	
449.47 TO 451.35	MAFIC INTRUSIVE «7(Ch)»	-similar to unit between 407.21-420.67m. -unit is finer grained. -sharp lower contact at 30°/CA.				
451.35 TO 452.13	FELSIC INTRUSIVE «9d»	-medium grained. -similar to unit between 425.80-427.15m and 437.31-449.47m. -sharp lower contact at 45°/CA.				
452.13 TO 455.29	MAFIC INTRUSIVE «7(Ch)»	-medium to dark green. -fine to medium grained. -similar to unit between 407.21-420.67m. -sharp lower contact at 35°/CA.				
455.29 TO 457.97	FELSIC INTRUSIVE «9d»	-similar to unit between 425.80-427.15m and 437.31-449.47m. -sharp lower contact at 30°/CA.				
457.97 TO 462.60	MAFIC INTRUSIVE «7(Ch)»	-fine grained. -medium green. -unit is similar to units previously described. -gradational lower contact.			-trace pyrite.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
462.60 TO 472.77	MAFIC TUFF «2t»	-medium green-brown. -fine grained. -bedded unit, bedding at 30°/CA. -sharp lower contact at 30°/CA. -unit is moderately hard and very slightly magnetic. -unit contains 2-3% biotite.		-weak chloritization and sericitization.	-trace pyrite and pyrrhotite.	
472.77 TO 473.06	FELSIC INTRUSIVE «9D»	-grey-brown. -fine grained. -massive unit. -sharp lower contact. -contains 10-15% feldspar phenocrysts. -sharp lower contact at 35°/CA.			-trace pyrite.	
473.06 TO 474.17	MAFIC TUFF «2t(Ch)»	-similar to unit between 432.60-472.77m. -sharp irregular lower contact.				
474.17 TO 476.50	FELSIC INTRUSIVE «9D(Se)»	-medium grey-brown. -medium grained. -massive unit, similar to unit between 472.77-473.06m. -sharp irregular lower contact.		-weak to moderate sericitization.	-trace pyrite.	
476.50 TO 499.45	MAFIC TUFF «2t(Ch)»	-fine grained. -medium grained. -bedded unit, similar to unit between 462.60-472.77m. -unit is moderately foliated. -foliation and bedding at 30°/CA. -sharp lower contact at 30°/CA.		-moderate chloritization.	-trace pyrite.	
499.45 TO 501.12	FELDSPAR PORPHYRY DYKE «9D»	-medium to dark grey-brown. -medium grained. -massive unit. -contains 10-15% feldspar phenocrysts (1-2mm in size). -sharp irregular lower contact. -trace to 1% biotite.		-weak to moderate sericitization. -weak chloritization.	-0.5-1% pyrite.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
501.12 TO 508.64	MAFIC TUFF «2t,Ch»	-similar to unit between 462.60-472.77m except unit contains 5-10% garnets (2-3mm in size). -bedding at 35-40°/CA. -sharp lower contact at 40°/CA.		-moderate to strong chloritization.	-trace pyrite.	
508.64 TO 509.05	FELDSPAR PORPHYRY DYKE «9D»	-similar to unit between 499.45-501.12m. -sharp lower contact at 35°/CA.				
509.05 TO 509.70	MAFIC TUFF «2t,Ch»	-similar to unit between 501.12-508.64m. -sharp irregular lower contact.				
509.70 TO 510.00	FELDSPAR PORPHYRY DYKE «9D»	-similar to unit between 499.45-501.12m.				
510.00 TO 510.00	E.O.H.					

Sample	From (M)	To (M)	Leng. (M)	Cu ppm	Zn ppm	Au ppb	Ag ppm	Pb ppm	Ni ppm
AN02963	376.50	378.00	1.50	19	28	14	0.6	6	17
AN02964	378.00	379.00	1.00	9	64	16	0.4	0	19
AN02965	379.00	379.42	0.42	18	36	10	0.2	4	15
AN02966	379.42	380.25	0.83	6	101	12	0.0	0	17
AN02967	380.25	381.00	0.75	33	51	60	0.6	1	22
AN02968	381.00	381.90	0.90	51	54	66	0.4	1	38
AN02969	381.90	382.70	0.80	28	168	22	0.2	0	19
AN02970	382.70	383.50	0.80	50	51	44	0.3	7	41
AN02971	384.65	386.00	1.35	34	84	66	0.3	0	27
AN02972	386.00	387.00	1.00	47	116	42	0.3	3	39
AN02973	387.00	388.50	1.50	47	102	39	0.2	2	41
AN02974	388.50	390.00	1.50	39	133	58	0.3	1	29
AN02975	390.00	391.50	1.50	45	123	106	0.3	0	34
AN02976	391.50	393.00	1.50	49	198	105	0.5	0	41
AN02977	393.00	394.50	1.50	39	180	126	0.5	0	33
AN02978	394.50	396.00	1.50	32	182	32	0.3	0	44
AN02979	396.00	397.80	1.80	50	260	88	0.5	1	41
AN02980	397.80	398.95	1.15	24	145	16	0.3	0	31
AN02982	398.95	399.85	0.90	40	81	30	0.3	0	39
AN02983	399.85	401.00	1.15	110	138	32	0.4	2	26
AN02984	401.00	402.00	1.00	136	270	6	0.5	25	30
AN02985	402.00	403.20	1.20	184	190	22	0.5	7	34
AN02986	403.20	404.70	1.50	63	137	0	0.4	8	27
AN02987	404.70	405.56	0.86	58	72	8	0.2	0	46

HOLE NUMBER : GA61-03 GEOCHEMICAL ASSAY DATE: 28/01/1993

Sample	From (M)	To (M)	Leng. (M)	SIO2 %	AL2O3 %	CAO %	MGO %	NA2O %	K2O %	FE2O3 %	TIO2 %	P2O5 %	MNO %	CR2O3 %	LOI %	SUM %	Y PPM	ZR PPM	BA PPM	RB PPM	SR PPM	CO2 %	CU PPM	ZN PPM	NI PPM	CR PPM	FIELD NAME	CHEM ID	ALUM
AN05948	13.00	16.00	3.00	74.33	15.00	1.34	1.65	0.17	2.84	1.98	0.34	0.12	0.05	0.03	2.30	100.14	10	136	200				10	35	20			4PR*	345
AN05949	19.00	22.00	3.00	72.09	14.18	1.47	2.67	0.26	1.92	5.25	0.29	0.12	0.18	0.04	2.40	100.84	8	144	190				10	70	20			4PR*	388
AN05950	31.00	34.00	3.00	74.63	14.38	3.66	1.24	0.41	1.50	3.22	0.29	0.10	0.12	0.03	1.40	100.99	8	126	200				5	50	10			4PR	258
AN03201	52.00	55.00	3.00	69.14	14.33	3.14	0.90	3.12	1.28	4.17	0.28	0.10	0.17	0.05	1.09	97.77	4	106	210				20	125	<10			4PR	190
AN03202	94.00	97.00	3.00	63.61	14.26	4.61	1.81	0.99	0.96	10.34	0.27	0.08	0.45	0.04	1.56	98.98	6	112	180				<5	70	<10			2w	217
AN03203	130.00	133.00	3.00	72.77	15.17	2.01	1.03	1.69	2.54	1.98	0.32	0.10	0.07	0.05	2.29	100.03	8	138	220				<5	20	<10			4PR	243
AN03204	151.00	154.00	3.00	70.84	14.52	2.94	1.40	1.78	1.72	4.62	0.27	0.10	0.21	0.04	2.12	100.57	10	128	200				<5	110	<10			4PR	225
AN03205	163.00	166.00	3.00	68.13	15.52	2.83	1.03	5.06	1.74	2.09	0.24	0.12	0.03	0.01	2.52	99.30	4	80	580				15	50	20			4PR	161
AN03206	178.00	181.00	3.00	72.86	14.71	4.39	0.99	2.18	0.86	2.48	0.29	0.12	0.10	0.03	1.01	100.01	6	132	130				<5	50	<10			4PR	198
AN03207	220.00	223.00	3.00	72.73	15.00	2.81	1.23	2.43	1.16	3.58	0.30	0.10	0.14	0.04	1.11	100.64	8	118	180				<5	35	<10			4PR	234
AN03208	250.00	253.00	3.00	70.02	16.45	2.59	0.93	1.79	1.82	1.96	0.35	0.12	0.05	0.03	1.50	97.59	6	136	280				30	30	20			4PR	265
AN03209	265.00	268.00	3.00	67.56	17.32	2.08	1.69	0.84	2.26	6.32	0.36	0.12	0.27	0.04	1.98	100.83	12	156	240				<5	60	20			3?*	334
AN03210	289.00	292.00	3.00	63.06	15.04	2.86	2.61	0.19	0.50	13.73	0.30	0.10	0.77	0.04	1.79	100.98	10	144	300				15	35	10			2w*	424
AN03211	300.00	303.00	3.00	69.88	14.68	3.07	2.37	0.19	0.16	7.49	0.28	0.10	0.39	0.03	1.92	100.57	6	132	60				30	95	<10			4PR*	429
AN03212	330.00	333.00	3.00	76.06	16.56	2.71	0.77	0.51	0.98	0.74	0.28	0.10	0.02	0.05	1.83	100.62	4	130	220				5	45	<10			4PR*	394
AN03213	351.00	354.00	3.00	63.31	13.60	1.47	2.73	0.27	0.30	14.74	0.24	0.10	0.79	0.04	1.44	99.04	6	142	60				<5	15	<10			2w*	667
AN03214	408.00	411.00	3.00	51.41	15.41	5.27	10.93	2.04	3.34	9.32	0.54	0.08	0.17	0.05	1.56	100.11	14	32	250				15	170	70			2u	145
AN03215	465.00	468.00	3.00	53.36	16.42	9.09	6.49	2.79	0.50	10.10	0.59	0.08	0.17	0.05	0.66	100.27	16	40	60				50	70	70			2u	133
AN03216	492.00	495.00	3.00	52.13	14.44	9.72	4.60	0.89	0.34	12.56	1.16	0.12	0.20	0.03	2.57	98.76	24	70	120				130	155	90			2v	132
AN03217	504.00	507.00	3.00	53.83	13.71	6.57	3.60	1.51	0.40	18.00	1.60	0.16	0.27	0.03	0.63	100.30	36	96	160				120	195	30			2v	162

Sample	From (M)	To (M)	Leng. (M)	AG PPM	AU PPB	CO PPM	PB PPM	S PPM	V PPM	AS PPM	SN PPM	CD PPM	SB PPM	BI PPM	SE PPM	HF PPM	TA PPM	W PPM	MO PPM	TH PPM	U PPM	B PPM	CS PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	GD PPM
AN05948	13.00	16.00	3.00			<5		600																					
AN05949	19.00	22.00	3.00			<5		300																					
AN05950	31.00	34.00	3.00			<5		200																					
AN03201	52.00	55.00	3.00			<5		500																					
AN03202	94.00	97.00	3.00			5		400																					
AN03203	130.00	133.00	3.00			<5		300																					
AN03204	151.00	154.00	3.00			<5		200																					
AN03205	163.00	166.00	3.00			5		300																					
AN03206	178.00	181.00	3.00			<5		200																					
AN03207	220.00	223.00	3.00			<5		500																					
AN03208	250.00	253.00	3.00			5		200																					
AN03209	265.00	268.00	3.00			<5		100																					
AN03210	289.00	292.00	3.00			5		900																					
AN03211	300.00	303.00	3.00			5		700																					
AN03212	330.00	333.00	3.00			10		1100																					
AN03213	351.00	354.00	3.00			10		1200																					
AN03214	408.00	411.00	3.00			35		400																					
AN03215	465.00	468.00	3.00			50		800																					
AN03216	492.00	495.00	3.00			60		1100																					
AN03217	504.00	507.00	3.00			45		1800																					

Sample	From (M)	To (M)	Leng. (M)	DY PPM	ER PPM	LU PPM	OS PPB	IR PPB	RU PPB	RH PPB	PT PPB	PD PPB	LI PPM	BE PPM	MN PPM	GA PPM	GE PPM	IN PPM	TL PPM	SC PPM	BR PPM	YB PPM	NB PPM
AN05948	13.00	16.00	3.00																				
AN05949	19.00	22.00	3.00																				
AN05950	31.00	34.00	3.00																				
AN03201	52.00	55.00	3.00																				
AN03202	94.00	97.00	3.00																				
AN03203	130.00	133.00	3.00																				
AN03204	151.00	154.00	3.00																				
AN03205	163.00	166.00	3.00																				
AN03206	178.00	181.00	3.00																				
AN03207	220.00	223.00	3.00																				
AN03208	250.00	253.00	3.00																				
AN03209	265.00	268.00	3.00																				
AN03210	289.00	292.00	3.00																				
AN03211	300.00	303.00	3.00																				
AN03212	330.00	333.00	3.00																				
AN03213	351.00	354.00	3.00																				
AN03214	408.00	411.00	3.00																				
AN03215	465.00	468.00	3.00																				
AN03216	492.00	495.00	3.00																				
AN03217	504.00	507.00	3.00																				

HOLE NUMBER: GA61-04

FALCONBRIDGE LIMITED
DRILL HOLE RECORD

DATE: 01/28/1993
IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: 8668
PROJECT NUMBER: 008668
CLAIM NUMBER: P583883
LOCATION: NW GENOA TWP

PLOTTING COORDS GRID: UTM
NORTH: 5298358.55N
EAST: 410465.09E
ELEV: 429.88

ALTERNATE COORDS GRID: LINE
NORTH: 47+80N
EAST: 173+ 0E
ELEV: 429.88

COLLAR DIP: -45° 0' 0"
LENGTH OF THE HOLE: 395.00M
START DEPTH: 0.00M
FINAL DEPTH: 395.00M

COLLAR ASTRONOMIC AZIMUTH: 345° 0' 0"

GRID ASTRONOMIC AZIMUTH: 345° 0' 0"

DATE STARTED: 11/07/1992
DATE COMPLETED: 11/13/1992
DATE LOGGED: 11/27/1992

COLLAR SURVEY: YES
RQD LOG: NO
HOLE MAKES WATER: NO

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

CONTRACTOR: NOREX DRILLING
CASING: 3m BW
CORE STORAGE: MINESITE
UTM COORD.: YES

COMMENTS : To test HLEM "F".
WEDGES AT:

DIRECTIONAL DATA:

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
68.00	351° 0' 0"	-47° 0' 0"	S	OK	
109.00	350° 0' 0"	-46° 0' 0"	S	OK	
161.00	° ' "	-46° 0' 0"	A	OK	
250.00	° ' "	-45°30' 0"	A	OK	
320.00	° ' "	-44° 0' 0"	A	OK	
355.00	352° 0' 0"	-44°30' 0"	S	OK	
395.00	352° 0' 0"	-47° 0' 0"	S	OK	

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
-	-	-	-	-	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 3.00	OVERBURDEN «ob»					
3.00 TO 44.85	GRANITE «9c(He)»	-pink-grey. -coarse grained. -massive unit, hard, weakly to moderately magnetic. -unit contains 20-25% mafic grains and 75-80% felsic grains. -unit contains 1-3% magnetite. -irregular lower contact. -21.20-22.62m, zone containing 5-10% quartz and 90-95% fine grained mafic material. -possible shear area. -irregular contacts. -39.11-39.47m, mafic inclusion. -unit is weakly to moderately foliated at 50°/CA.		-weak to moderate hematization.	-trace to 1% pyrite.	
44.85 TO 46.83	DIABASE «10»	-fine grained. -light grey-green. -massive, hard, magnetic unit. -sharp lower contact at 40°/CA. -unit appears to be evenly "chilled".				
46.83 TO 76.30	GRANITE «9c(Ch,He)»	-coarse grained. -dark pink-green. -unit is similar to unit between 3.00-44.85m, except unit becomes more mafic in composition towards the bottom of the unit. -unit is moderately magnetic with a sharp lower contact at 10°/CA. -58.43-59.85m, irregular quartz vein/stringers. -area contains 70% quartz, 5% tourmaline.		-moderate hematization and chloritization.	-58.43-59.85m, 1% pyrite, trace chalcopyrite and arsenopyrite.	
76.30 TO 99.11	DIABASE «10»	-medium to dark grey-green. -medium to coarse grained. -massive unit, moderately hard and moderately to strongly magnetic. -sharp lower contact at 55°/CA.			-5-10% magnetite.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
99.11 TO 108.68	MAFIC FRAGMENTAL «2f(Ch,Si)»	-dark green. -fine grained matrix with fragments. -unit is weakly bedded at 30-35°/CA. -unit contains 5-10% mafic fragments. -fragments are subrounded and range in size from 0.2cm to 3cm in diameter. -unit is moderately hard and weakly to moderately magnetic. -sharp irregular lower contact.		-moderate silicification and chloritization.	-trace to 1% pyrite.	
108.68 TO 110.00	FELDSPAR PORPHYRY DYKE «9»	-light grey-brown. -coarse grained. -massive unit, containing 80-85% feldspar phenocrysts. -phenocrysts are 1-2mm in size. -sharp irregular lower contact.		-weak sericitization.	-trace pyrite.	
110.00 TO 125.45	MAFIC FRAGMENTAL «2f(Ch,Si)»	-dark green. -fine grained. -similar to unit between 99.11-108.68m. -unit contains 10-15% fragments. -unit is hard and moderately to strongly magnetic as the bottom of the unit is approached. -sharp lower contact at 50°/CA. -unit is weakly bedded at 35-40°/CA.		-moderate chloritization. -moderate to strong silicification (strength increases towards lower contact).	-1-3% pyrite. -5-10% pyrrhotite (in last 10m of unit). -trace to 0.5% chalcopyrite (cpy is found between 115.70-125.45m). -pyrrhotite is disseminated and fracture controlled. -chalcopyrite is fracture controlled and present with the pyrrhotite. -125.30-125.45m, 10% pyrite, 5% pyrrhotite and 1-2% sphalerite. -sphalerite is present in quartz stringers.	
125.45 TO 132.45	SULPHIDE IRON FORMATION «5s»	-brown-yellow. -medium grained. -unit is semi-massive to weakly bedded. -bedding at 50°/CA. -unit contains 95% sulphides. -rock fragments are present in narrow cherty beds. -sharp lower contact at 20°/CA.			-sulphides consist of 85% pyrrhotite and 15% pyrite. -pyrite is slightly coarser grained than the pyrrhotite.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
132.45 TO 139.70	DIABASE «10»	-similar to unit between 76.30-99.11m. -broken lower contact.				
139.70 TO 161.50	MAFIC VOLCANIC «2m(Ch,Cb)»	-fine to medium grained. -medium to dark green. -massive unit. -unit is weakly to moderately foliated at 45-50°/CA. -unit is slightly magnetic and soft. -unit is weakly fractured. -fractures are irregular and filled with carbonate. -unit has a gradational lower contact.		-weak to moderate carbonatization. -moderate chloritization.	-1-2% disseminated pyrite.	
161.50 TO 179.75	MAFIC VOLCANICS «2m(Si,Bl)»	-light pink-grey. -fine to medium grained. -similar to unit between 139.70-161.50m except unit contains 15-20% finely disseminated garnets and is more strongly altered. -sharp lower contact at 45°/CA.		-moderate silicification. -moderate bleaching.		
179.75 TO 181.81	QUARTZ FELDSPAR PORPHYRY DYKE «9d»	-medium grey. -coarse grained. -massive unit. -sharp lower contact at 60°/CA. -unit contains 70-80% feldspar phenocrysts and 5-10% quartz eyes. -phenocrysts have an average size of 1mm.		-weak sericitization.	-1-2% disseminated pyrite.	
181.81 TO 183.90	MAFIC VOLCANICS «2m(Si,Bl)»	-similar to unit between 161.50-179.75m. -gradational lower contact.				
183.90 TO 202.20	FELSIC VOLCANIC «4m(Se)»	-light grey. -fine grained. -massive unit. -unit is moderately hard and moderately foliated at 45-50°/CA. -unit contains trace to 0.5% tourmaline. -gradational lower contact.		-moderate sericitization. -weak patchy chloritization.		

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
202.20 TO 229.96	INTER-MEDIATE TO FELSIC VOLCANIC «3/4mSe,Ch»	-fine to medium grained. -light grey-pink becoming pink-green with depth. -massive unit, with weak to moderate foliation at 45-50°/CA. -unit is moderately hard and is slightly magnetic. -unit contains 5-10% blue quartz sweats and 15-20% disseminated garnets. -unit has a sharp lower contact at 55°/CA. -unit is more mafic in the last 6-8m of the unit.		-weak to moderate sericitization. -weak to moderate patchy chloritization (222.0-229.96m). -moderate patchy silicification.	-trace pyrite.	
229.96 TO 270.45	MAFIC VOLCANICS «2m,Ch»	-medium to dark green. -fine to medium grained. -massive unit, moderate foliation at 50°/CA. -unit contains carbonate filled fractures at various orientations. -unit contains 1-3% garnets with local areas containing up to 20%. -unit is soft and weakly to moderately magnetic. -unit contains 3-5% fine grained feldspars (0.2-0.3mm in length). -sharp lower contact at 55°/CA.		-moderate to strong chloritization.	-1-2% disseminated pyrite.	
270.45 TO 285.65	MAFIC TUFF «2tCh(Se)»	-fine grained. -dark grey-green. -bedded unit with bedding at 40-50°/CA. -average of 40°/CA. -sharp lower contact at 40°/CA. -unit is weakly magnetic with patchy strongly magnetic areas. -unit contains 5-10% garnets (up to 3-4mm in size). -279.70-281.60m, possible iron formation. -area has gradational contacts and is strongly magnetic. -sulphide zone is weakly bedded at 40°/CA and shows minor amounts of soft sediment deformation.		-weak to moderate sericitization. -moderate to strong chloritization.	-trace to 1% pyrite throughout. -279.70-281.60m, weak sulphide iron formation. -area contains 50-60% sulphides (60-65% po and 35-40% py).	
285.65 TO 286.40	DIABASE «10»	-fine grained. -dark grey. -massive, magnetic.				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		-sharp lower contact at 30°/CA.				
286.40 TO 289.66	MAFIC TUFF «2tCh(Se)»	-similar to unit between 270.45-285.65m, except it does not have any sulphide iron formation present. -bedding at 35-40°/CA. -sharp lower contact at 25°/CA.			-trace pyrite.	
289.66 TO 294.35	MAFIC DYKE «7(SeCbSi)»	-fine grained. -medium to dark grey-green. -massive unit with a sharp lower contact at 25°/CA. -unit is weakly to moderately foliated. -from 289.66-292.00m, foliation at 30°/CA. -from 292.00-294.35m, foliation changes from 20°/CA to being subparallel to the core axis.		-moderate sericitization. -weak to moderate carbonatization and silicification. -weak chloritization.	-1-2% finely disseminated pyrite throughout. -291.25-292.08m, 60% pyrrhotite, 5% pyrite. -sulphides are disseminated throughout and are weakly bedded parallel to foliation. -292.08-292.15m, 3cm wide chalcopyrite stringer at 20°/CA. -area also contains 2-3% sphalerite and 1% galena along stringer contacts. -1-3% pyrite also present.	-unit is crosscutting mafic tuffs. -possible diabase?
294.35 TO 299.76	MAFIC TUFF «2tCh(Se)»	-similar to units between 270.45-285.65m and 286.40-289.66m. -unit is bedded at 50°/CA and contains up to 0.5% lapilli sized fragments. -sharp lower contact at 50°/CA.			-trace pyrite.	
299.76 TO 302.60	SULPHIDE IRON FORMATION «5s»	-fine to medium grained. -brassy yellow-brown. -semi-massive to weakly bedded. -bedding at 45-50°/CA. -unit contains 90-95% sulphide, remaining 5-10% of the unit consists of chloritic mafic and chert fragments. -301.55-301.58m, chert bed at 50°/CA. -sharp lower contact at 30°/CA. -soft sediment deformation also present.			-sulphides consist of 80-85% pyrrhotite and 15-20% pyrite. -pyrite is coarser grained than the pyrrhotite.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
302.60 TO 302.95	QUARTZ FELDSPAR PORPHYRY DYKE «9d»	-light grey-brown. -coarse grained. -massive unit, contains 60% feldspar phenocrysts and 10% quartz eyes. -phenocrysts are 1-2mm in size. -sharp lower contact at 30°/CA. -trace chlorite grains.		-edges of dyke are strongly chloritic.	-trace pyrite.	
302.95 TO 304.06	SULPHIDE FACIES IRON FORMATION «5s»	-similar to unit between 299.76-302.60m. -sharp lower contact at 55°/CA. -2-3mm wide carbonate filled fracture along lower contact.			-trace sphalerite present in carbonate filled fracture along lower contact.	
304.06 TO 305.67	QUARTZ FELDSPAR PORPHYRY DYKE «9d»	-similar to unit between 302.60-302.95m. -sharp lower contact at 60°/CA.				
305.67 TO 313.78	SULPHIDE FACIES IRON FORMATION «5s»	-similar to unit between 299.76-302.60m. -bedding between 50-55°/CA. -sharp lower contact at 45°/CA. -307.05-307.15m, diabase inclusion. -unit contains 70-75% sulphides.		-wallrock areas are moderately chloritized and silicified.	-65-70% pyrrhotite, 30-35% pyrite. -the pyrite is coarser grained than the pyrrhotite.	
313.78 TO 314.53	QUARTZ FELDSPAR PORPHYRY DYKE «9d»	-similar to unit between 302.60-302.95m. -sharp lower contact at 50°/CA.				
314.53 TO 316.90	SULPHIDE FACIES IRON FORMATION «5s»	-similar to unit between 299.76-302.60m. -bedding at 40-45°/CA. -sharp lower contact at 35°/CA.				
316.90 TO 325.45	QUARTZ FELDSPAR PORPHYRY «9d»	-light to medium grey. -coarse grained. -massive unit, contains 80-85% phenocrysts. -phenocrysts consist of 85% feldspar and 15% quartz. -phenocrysts are between 1-5mm in size, average		-patchy potassic alteration.	-trace pyrite.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		size of 2-3mm. -unit contains 1-2% mafic grains. -sharp lower contact at 40°/CA.				
325.45 TO 327.04	IRON FORMATION «5s,r»	-grey-black to yellow-brown. -fine to medium grained. -bedded unit at 35-40°/CA. -sharp lower contact at 40°/CA. -from 325.45-326.20m, unit is sulphide facies iron formation, area contains 40% sulphides. -this grades into oxide facies iron formation. -from 326.20-327.04m, contains 40-50% chert beds and 20-30% magnetite.		-moderate silicification.	-322-45-326.20m, 40% sulphides (50% pyrrhotite, 50% pyrite). -pyrite is slightly coarser grained than the pyrrhotite.	
327.04 TO 328.87	QUARTZ FELDSPAR PORPHYRY «9d»	-similar to unit between 316.90-325.45m. -sharp lower contact at 40°/CA.				
328.87 TO 329.20	OXIDE FACIES IRON FORMATION «5r»	-medium grey-green. -fine grained. -similar to bottom of unit between 325.45-327.04m. -sharp lower contact at 20°/CA. -unit appears to be an inclusion into the porphyry.				
329.20 TO 330.35	QUARTZ FELDSPAR PORPHYRY «5d»	-similar to unit between 316.90-325.45m. -sharp lower contact at 35°/CA.				
330.35 TO 330.55	OXIDE FACIES IRON FORMATION «5r»	-similar to units between 325.45-327.04m and 328.87-329.20m. -this is an inclusion in the porphyry. -sharp lower contact at 35°/CA.				
330.55 TO 335.00	QUARTZ FELDSPAR PORPHYRY «9d»	-coarse grained. -light grey-white. -similar to unit between 316.90-325.45m. -sharp lower contact at 20°/CA.				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
335.00 TO 336.06	OXIDE FACIES IRON FORMATION «5r(Si)»	-medium to dark grey. -bedded unit, bedding at 20°/CA. -unit is strongly magnetic and hard. -unit contains 3-5% chert beds. -sharp lower contact at 20°/CA.		-moderate to strong silicification.	-10-15% magnetite. -trace pyrite and pyrrhotite (sulphides are along fracture planes).	
336.06 TO 336.84	QUARTZ FELDSPAR PORPHYRY «9d»	-dyke is similar to unit between 316.90-325.45m except it is finer grained. -sharp lower contact at 30°/CA.				
336.84 TO 339.60	OXIDE FACIES IRON FORMATION «5r(Si)»	-similar to unit between 335.00-336.06m. -bedding at 30-35°/CA. -sharp lower contact at 25°/CA. -small "Z" type folds along lower contact.			-339.40-339.60m, 2-3% pyrrhotite, 1% pyrite (fracture controlled).	
339.60 TO 341.55	MAFIC VOLCANICS «2m(Ch)»	-fine to medium grained. -medium green. -massive unit than is moderately foliated. -foliation is subparallel to 10°/CA and appears to be strongly kink banded. -sharp lower contact at 20°/CA. -unit is soft and contains 0.5% quartz filled fractures.		-weak chloritization.		
341.55 TO 342.45	QUARTZ FELDSPAR PORPHYRY «9d»	-similar to unit between 316.90-325.45m, except unit contains 1-2% biotite. -finer grained along contacts. -sharp lower contact at 30°/CA.				
342.45 TO 347.80	MAFIC VOLCANIC «2m(Cb)»	-fine to medium grained. -medium green-brown. -massive unit that is strongly foliated at 15-20°/CA. -foliation gives unit a bedded/banded appearance. -unit has been fractured and faulted at 90° to the foliation. -bands have been offset up to 0.5cm. -fractures are carbonate filled. -between 344.00-346.00m, unit appears to have been weakly folded before fracturing.		-weak carbonatization.		

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		-unit contains 10% biotite and has a sharp lower contact at 30°/CA.				
347.80 TO 348.40	QUARTZ FELDSPAR PORPHYRY «9d»	-similar to unit between 316.90-325.45m, except unit contains 3-5% biotite. -sharp lower contact at 15°/CA.				
348.40 TO 349.10	MAFIC VOLCANIC «2m(Cb)»	-similar to unit between 342.45-347.80m. -unit is foliated at 20°/CA. -sharp lower contact at 5°/CA. -unit contains 20-25% biotite.				
349.10 TO 353.10	QUARTZ FELDSPAR PORPHYRY «9d»	-similar to unit between 316.90-325.45m, sharp lower contact at 15°/CA. -unit contains 3-5% biotite.				
353.10 TO 371.53	MAFIC VOLCANICS «2m(Cb,Ch)»	-fine grained. -medium brown-green.				
		-massive unit, similar to unit between 342.45-347.80m. -unit is moderately to strongly foliated. -foliation between 353.10-359.00m at 20°/CA. -between 359.00-362.00m, foliation at 10°/CA. -between 362.00-365.00m, foliation is subparallel to the core axis. -365.00-369.00m, foliation at 15-20°/CA. -369.00-371.53m, foliation subparallel to the core axis. -the unit is weakly to moderately fractured at 30°/CA (this crosscuts foliation at 90°). -fractures are carbonate filled. -sharp irregular lower contact. -unit appears to be contorted/weakly folded.		-weak carbonatization and chloritization.	-trace pyrite.	
371.53 TO 372.10	QUARTZ FELDSPAR PORPHYRY «9d»	-similar to unit between 316.90-325.45m. -sharp lower contact at 30°/CA.				
372.10 TO 395.00	MAFIC VOLCANICS «2m(Cb,Ch)»	-medium green, fine to medium grained. -similar to units between 342.45-347.80m and 353.10-371.53m.				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		-weak bedding and patchy kink banding still present. -387.55-388.45m, irregular bull white quartz veins. -irregular low angle contacts (10-15°/CA). -391.65-392.80m, irregular quartz vein. -both veins contain 15-20% wallrock fragments.				
395.00 TO 395.00	E.O.H.					

Sample	From (M)	To (M)	Leng. (M)	Cu ppm	Zn ppm	Au ppb	Ag ppm	Pb ppm	Ni ppm
AN06098	56.93	58.43	1.50	41	112	8	0.0	7	81
AN06099	58.43	59.85	1.42	170	55	9	0.4	3	77
AN06100	59.85	61.35	1.50	45	92	6	0.0	2	95
AN02988	110.00	111.50	1.50	281	72	12	0.0	0	47
AN02989	111.50	113.00	1.50	233	73	63	0.1	0	44
AN02990	113.00	114.50	1.50	314	75	14	0.0	0	46
AN02991	114.50	115.50	1.00	302	87	6	0.2	0	105
AN02992	115.50	116.15	0.65	374	435	14	0.3	0	141
AN02993	116.15	117.65	1.50	335	400	18	0.2	0	110
AN02994	117.65	119.15	1.50	368	510	14	0.1	0	79
AN02995	119.15	120.65	1.50	520	1060	16	0.2	0	159
AN02996	120.65	122.15	1.50	181	130	68	0.1	0	78
AN02997	122.15	123.65	1.50	225	186	22	0.0	0	78
AN02998	123.65	125.15	1.50	336	155	12	0.0	0	129
AN02999	125.15	125.45	0.30	46	170	10	0.2	0	65
AN03001	125.45	126.50	1.05	1250	29130	56	24.4	376	53
AN03002	126.50	128.00	1.50	71	377	26	0.3	9	62
AN03003	128.00	129.50	1.50	84	640	18	0.2	0	56
AN03004	129.50	131.00	1.50	64	440	22	0.4	2	47
AN03005	131.00	132.45	1.45	52	1670	18	1.2	976	42
AN03019	278.20	279.70	1.50	30	430	9	0.6	723	22
AN03021	279.70	281.20	1.50	0	175	1380	4.2	40	4
AN03022	281.20	282.60	1.40	180	725	42	1.1	322	55
AN03023	282.60	284.10	1.50	58	215	16	0.3	20	22
AN03024	288.16	289.66	1.50	34	84	10	0.0	3	36
AN03025	289.66	291.20	1.54	8	91	19	0.0	9	93
AN03026	291.20	292.00	0.80	400	194	44	2.2	5	113
AN03027	292.00	292.30	0.30	51000	24070	32	221.2	19230	52
AN03028	292.30	293.30	1.00	212	214	9	1.2	169	106
AN03029	293.30	294.35	1.05	146	159	7	1.5	90	103
AN03030	294.35	295.85	1.50	47	68	5	0.0	10	30
AN03031	295.85	297.35	1.50	35	65	6	0.0	13	41
AN03032	297.35	298.85	1.50	60	450	10	0.2	331	28
AN03033	298.85	299.76	0.91	16	215	12	0.1	31	29
AN03034	299.76	301.10	1.34	27	262	50	0.3	21	37
AN03035	301.10	302.60	1.50	29	165	50	0.3	3	46
AN03036	302.60	302.95	0.35	14	112	18	0.0	10	31
AN03037	302.95	304.06	1.11	26	1675	30	0.3	592	28
AN03038	304.06	305.97	1.91	17	127	0	0.0	84	25
AN03039	305.97	307.00	1.03	25	136	34	0.4	27	37
AN03040	307.00	308.50	1.50	55	187	46	0.7	17	69
AN03042	308.50	310.00	1.50	47	113	57	0.4	3	56
AN03043	310.00	311.50	1.50	58	112	42	0.1	0	74
AN03044	311.50	313.00	1.50	36	122	36	0.1	0	50
AN03045	313.00	313.78	0.78	48	159	86	0.2	0	72
AN03046	313.78	314.53	0.75	10	76	7	0.0	9	29
AN03047	314.53	315.53	1.00	44	128	38	0.3	0	59

Sample	From (M)	To (M)	Leng. (M)	Cu ppm	Zn ppm	Au ppb	Ag ppm	Pb ppm	Ni ppm
AN03048	315.53	316.90	1.37	54	197	30	0.2	0	58
AN03049	325.45	326.22	0.77	82	192	12	0.5	1	47
AN03050	326.22	327.04	0.82	28	194	6	0.0	2	23
AN03051	335.00	336.06	1.06	97	389	10	0.0	1	27
AN03052	336.84	338.10	1.26	79	90	0	0.0	3	26
AN03053	338.10	339.60	1.50	295	264	8	0.0	19	34
AN03054	339.60	341.00	1.40	78	72	20	0.0	1	89

Sample	From (M)	To (M)	Leng. (M)	SIO2 %	AL2O3 %	CAO %	MGO %	NA2O %	K2O %	FE2O3 %	TIO2 %	P2O5 %	MNO %	CR2O3 %	LOI %	SUM %	Y PPM	ZR PPM	BA PPM	RB PPM	SR PPM	CO2 %	CU PPM	ZN PPM	NI PPM	CR PPM	FIELD NAME	CHEM ID	ALUM
AN03281	17.00	20.00	3.00	60.45	15.11	5.16	4.57	1.21	3.44	5.89	0.62	0.52	0.10	0.03	0.78	97.88	16	168	1490				20	50	70			2y	154
AN03282	50.00	53.00	3.00	58.99	15.96	5.11	4.75	1.40	2.98	5.86	0.65	0.58	0.09	0.03	1.24	97.65	14	110	1690				5	50	70			2w	168
AN03283	101.00	104.00	3.00	54.08	16.07	7.96	4.25	0.60	0.38	13.85	1.69	0.16	0.29	0.03	1.04	100.40	24	62	110				105	90	70			2w	180
AN03284	119.00	122.00	3.00	46.12	9.84	6.65	5.51	0.33	0.42	25.66	1.74	0.24	0.61	0.03	0.62	97.78	26	48	100				360	450	110			2v	133
AN03285	146.00	149.00	3.00	45.60	17.48	6.19	10.48	0.45	0.60	13.14	0.77	0.10	0.20	0.06	4.31	99.39	18	36	410				80	60	290			2u	241
AN03286	170.00	173.00	3.00	64.00	13.65	4.47	3.09	0.06	0.32	12.02	0.25	0.08	0.62	0.05	1.80	100.40	6	126	100				15	40	40			2w*	281
AN03287	191.00	194.00	3.00	72.55	17.09	1.96	1.11	0.18	1.28	1.19	0.29	0.12	0.04	0.04	1.91	97.74	8	120	430				<5	10	10			4PR*	500
AN03288	212.00	215.00	3.00	63.58	13.54	3.29	2.91	0.08	0.24	14.18	0.22	0.10	0.76	0.10	1.31	100.28	10	122	70				10	65	20			2w*	375
AN03289	248.00	251.00	3.00	62.47	12.56	3.67	4.04	0.02	0.12	14.80	0.23	0.06	0.61	0.05	2.31	100.93	8	126	40				10	30	20			2v*	330
AN03290	275.00	278.00	3.00	61.84	12.13	0.28	3.56	0.03	0.12	17.92	0.21	0.08	0.99	0.03	2.45	99.65	8	114	30				<5	35	30			2v*	2821
AN03291	291.00	294.00	3.00	64.76	16.12	2.90	4.22	1.29	0.42	5.07	0.49	0.34	0.12	0.05	1.95	97.73	10	168	300				<5	65	100			2y*	350
AN03292	344.00	347.00	3.00	51.77	16.07	10.83	5.41	0.12	1.74	9.99	0.55	0.06	0.19	0.06	1.88	98.69	20	32	150				80	55	90			2w	127
AN03293	362.00	365.00	3.00	50.27	15.04	8.10	5.13	0.13	1.82	8.42	0.46	0.12	0.17	0.04	8.02	97.68	8	38	30				10	<5	170			2w	150
AN03294	383.00	386.00	3.00	51.63	14.71	5.89	3.11	0.59	1.76	11.80	1.49	0.16	0.24	0.01	6.80	98.19	30	88	510				115	75	30			2w	179

Sample	From (M)	To (M)	Leng. (M)	AG PPM	AU PPB	CO PPM	PB PPM	S PPM	V PPM	AS PPM	SN PPM	CD PPM	SB PPM	BI PPM	SE PPM	HF PPM	TA PPM	W PPM	MO PPM	TH PPM	U PPM	B PPM	CS PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	GD PPM
AN03281	17.00	20.00	3.00			20		300																					
AN03282	50.00	53.00	3.00			15		600																					
AN03283	101.00	104.00	3.00			50		1800																					
AN03284	119.00	122.00	3.00			70		11600																					
AN03285	146.00	149.00	3.00			55		800																					
AN03286	170.00	173.00	3.00			10		1100																					
AN03287	191.00	194.00	3.00			<5		200																					
AN03288	212.00	215.00	3.00			20		700																					
AN03289	248.00	251.00	3.00			10		1700																					
AN03290	275.00	278.00	3.00			10		1800																					
AN03291	291.00	294.00	3.00			15		2200																					
AN03292	344.00	347.00	3.00			35		900																					
AN03293	362.00	365.00	3.00			165		600																					
AN03294	383.00	386.00	3.00			45		2000																					

Sample	From (M)	To (M)	Leng. (M)	DY PPM	ER PPM	LU PPM	OS PPB	IR PPB	RU PPB	RH PPB	PT PPB	PD PPB	LI PPM	BE PPM	MN PPM	GA PPM	GE PPM	IN PPM	TL PPM	SC PPM	BR PPM	YB PPM	NB PPM
AN03281	17.00	20.00	3.00																				
AN03282	50.00	53.00	3.00																				
AN03283	101.00	104.00	3.00																				
AN03284	119.00	122.00	3.00																				
AN03285	146.00	149.00	3.00																				
AN03286	170.00	173.00	3.00																				
AN03287	191.00	194.00	3.00																				
AN03288	212.00	215.00	3.00																				
AN03289	248.00	251.00	3.00																				
AN03290	275.00	278.00	3.00																				
AN03291	291.00	294.00	3.00																				
AN03292	344.00	347.00	3.00																				
AN03293	362.00	365.00	3.00																				
AN03294	383.00	386.00	3.00																				

HOLE NUMBER: GA61-05

FALCONBRIDGE LIMITED
DRILL HOLE RECORD

DATE: 01/28/1993
IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: 8668
PROJECT NUMBER: 008668
CLAIM NUMBER: P583883
LOCATION: NW GENOA TWP

PLOTTING COORDS GRID: UTM
NORTH: 5298241.60N
EAST: 410180.68E
ELEV: 448.14

ALTERNATE COORDS GRID: LINE
NORTH: 47+40N
EAST: 170+ 0E
ELEV: 448.14

COLLAR DIP: -50° 0' 0"
LENGTH OF THE HOLE: 244.00M
START DEPTH: 0.00M
FINAL DEPTH: 244.00M

COLLAR ASTRONOMIC AZIMUTH: 345° 0' 0"

GRID ASTRONOMIC AZIMUTH: 345° 0' 0"

DATE STARTED: 10/17/1992
DATE COMPLETED: 10/20/1992
DATE LOGGED: 11/17/1992

COLLAR SURVEY: YES
RQD LOG: NO
HOLE MAKES WATER: NO

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

CONTRACTOR: NOREX DRILLING LTD.
CASING: 0.7m BW
CORE STORAGE: MINESITE
UTM COORD.: YES

COMMENTS : To test HLEM "G".
WEDGES AT:

DIRECTIONAL DATA:

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
60.00	° ' "	-46°30' 0"	A	OK	
150.00	° ' "	-44° 0' 0"	A	OK	
244.00	349° 0' 0"	-40° 0' 0"	S	OK	

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
-	-	-	-	-	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 0.70	OVERBURDEN «¦ob¦»					
0.70 TO 5.47	MAFIC INTRUSIVE «7c(Ch,Cb)»	-medium to coarse grained. -medium to dark green.				
		-massive unit. -weakly magnetic, with areas of moderate to strong magnetism. -unit is easy to mark with a scribe and has a sharp lower contact at 50°/CA. -from 4.35-4.56m, a banded area (mafic tuff) that is curved like a fold nose. -contacts of this area are at 20°/CA.		-weak to moderate chloritization and weak carbonatization.	-trace pyrite and trace to 0.5% pyrrhotite. -sulphides are present along fractures. -from 4.35-4.56m, area contains 3-5% pyrrhotite and trace to 0.5% chalcopyrite. -sulphides are disseminated throughout area.	
5.47 TO 37.10	INTER-MEDIATE TO FELSIC TUFF «3/4t,SiCh»	-fine grained. -light grey-white to dark grey-green.				
		-bedded unit, bedding is between 30-45°/CA. -between 5.47-26.00m, bedding at 35-40°/CA. -between 26.00-34.00m, bedding at 30-35°/CA. -unit contains 25-35% mafic to intermediate beds and 65-75% intermediate to felsic beds. -unit is hard and strongly magnetic. -9.95-10.75m, dirty looking quartz vein with irregular contacts. -vein contains 10% wallrock fragments and 5% pyrrhotite. -11.95m, 2mm wide fault gouge at 35°/CA (parallel to bedding). -between 25.00-28.00m, area contains 15-20% argillite beds. -these argillite beds are narrow (0.5-1cm wide). -sharp lower contact at 20°/CA.		-moderate sericitization. -strongly silicification. -moderate chloritization in more mafic beds.	-unit contains 10-15% pyrrhotite, 1% pyrite and trace chalcopyrite. -the sulphides are present in fractures parallel to bedding and disseminated throughout. -13.15-13.20m, a 1mm chalcopyrite filled fracture crosscutting bedding at 90°. -27.85m, 2mm wide chalcopyrite filled fracture parallel to bedding.	
37.10 TO 59.37	MAFIC TUFF «2t(SeCh)»	-light to medium grey-green. -fine grained.				
		-weakly bedded unit becoming massive looking after 50.00m. -bedding is between 15-45°/CA. -between 40.00-43.00m, bedding starts at 40°/CA, and changes to 15°/CA at 43.00m. -from 43.00-46.00m, bedding increases to 30°/CA.		-weak to moderate sericitization and chloritization.	-3-5% pyrrhotite, trace pyrite. -37.10-42.00m, 10% pyrrhotite, 1% pyrite. -sulphides are disseminated throughout interval. -47.50-48.15m, 15-20% disseminated	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		-gradational lower contact. -unit is moderately magnetic and is fairly soft. -from 52.00-57.77m, unit contains 1-3% biotite. -57.77-59.37m, unit is fine grained, buff-yellow-green, soft and weakly bedded. -bedding at 60-70°/CA. -at 59.26-59.34, the bedding is highly contorted and deformed.		-58.00-59.37m, unit is strongly sericitized and appears to be weakly bleached.	pyrrhotite, trace pyrite.	
59.37 TO 62.44	INTER-MEDIATE TUFF «3t(ChSi)»	-fine grained. -medium grey-green. -unit is weakly bedded. -bedding at 55°/CA. -unit is moderately to strongly magnetic. -unit is easily scratched by a scribe. -irregular lower contact.		-moderate pervasive chloritization. -weak to moderate sericitization.	-5-10% pyrrhotite, 1% pyrite. -sulphides are finely disseminated and fracture controlled throughout the unit.	
62.44 TO 66.04	SULPHIDE FACIES IRON FORMATION «5s»	-medium grained. -brassy yellow-brown. -semi-massive to massive unit. -sulphides comprise approximately 90-95% of the unit. -the remaining 5-10% of the unit consists of mafic inclusions. -sulphides are weakly bedded at 60°/CA. -sharp lower contact at 55°/CA. -unit is strongly magnetic and moderately hard.		-mafic inclusions are strongly chloritized.	-90% pyrrhotite, 10% pyrite in unit.	
66.04 TO 67.47	MAFIC TUFF «2t,Ch»	-medium to dark green. -fine grained. -similar to unit between 37.10-59.37m except no bedding present. -sharp irreguir lower contact.		-moderate to strong chloritization.	-trace to 1% pyrite and pyrrhotite. -sulphides are fracture controlled and disseminated.	
67.47 TO 67.91	SULPHIDE FACIES IRON FORMATION «5s»	-similar to unit between 62.44-66.03m. -sharp irregular lower contact.			-90% pyrrhotite, 10% pyrite.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
67.91 TO 72.15	MAFIC TUFF «2t,Ch(Cb)»	-medium to dark green. -fine grained. -unit similar to unit between 37.10-59.37m. -bedding at 50-55°/CA. -sharp irregular lower contact. -unit contains 2-3% biotite. -unit is soft and slightly magnetic. -70.72-71.21m, irregular quartz stringers.		-moderate carbonatization. -strong chloritization.	-trace pyrite.	
72.15 TO 82.18	INTER-MEDIATE TO FELSIC TUFF «3/4t(Si)»	-medium to dark grey. -fine grained. -bedded unit, bedding changes in orientation downhole. -from 72.15-73.00m, bedding at 40-50°/CA. -from 73.00-77.00m, bedding changes from 30° to 20°/CA. -77.43-77.90m, bedding subparallel to the core axis. -77.90-80.15m, bedding at 10-15°/CA. -80.15-80.60m, bedding subparallel to the core axis. -at 80.36m, 0.5cm wide healed fault breccia zone at 20°/CA. -80.60-82.18m, bedding increases to 50°/CA. -80.38-80.46m, broken core. -unit is moderately hard and strongly magnetic. -unit has a sharp lower contact at 50°/CA.		-moderate silicification. -weak to moderate pervasive chloritization.	-unit contains 5% pyrite and 10-15% pyrrhotite. -sulphides are present in bands parallel to the bedding.	
82.18 TO 84.58	FELSIC INTRUSION «9b»	-medium grey. -medium grained. -massive unit. -unit contains 10% feldspar phenocrysts (1-2mm in size). -unit is weakly fractured at 40-45°/CA. -unit contains 1% biotite. -sharp lower contact at 30°/CA.		-weakly sericitization.	-trace pyrite.	
84.58 TO 87.85	MAFIC TUFF «2t(Ch,Cb)»	-medium to dark green. -fine grained. -weakly bedded unit, bedding is subparallel to the core axis. -unit contains 2-3% carbonate that is present		-moderate carbonatization and chloritization.	-84.58-86.15m, 10% pyrite, 5% pyrrhotite, trace to 0.5% chalcopyrite, trace galena, trace	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		along the bedding planes. -unit is soft and appears to be non-magnetic. -sharp lower contact at 45°/CA. -87.33-87.85m, 70% irregular quartz-carbonate stringers/veins.			sphalerite. -sulphides are present along bedding planes and disseminated throughout. -pyrite is much coarser than the other sulphides. -86.15-87.85m, trace pyrite.	
87.85 TO 88.69	FELSIC INTRUSIVE «9b»	-similar to unit between 82.18-84.58m. -from 88.50-88.69m, bull white quartz vein, irregular upper contact, sharp lower contact at 40°/CA.			-88.38-88.50m, 10% very coarse grained pyrite.	
88.69 TO 89.40	MAFIC TUFF «2t(Cb,Ch)»	-light to medium grey-green. -similar to unit between 84.58-87.85m. -bedding at 25-30°/CA. -no sulphides present. -sharp lower contact at 20°/CA.		-moderate carbonatization.		
89.40 TO 93.18	FELSIC INTRUSIVE «9b»	-medium gray and medium grained. -similar to unit between 82.18-84.58m. -unit contains 25% quartz veins and stringers at 25-30°/CA. -sharp lower contact at 20°/CA. -trace to 1% biotite.			-trace pyrite.	
93.18 TO 96.40	MAFIC TUFF «2t,Ch»	-medium to dark green. -fine grained. -weakly bedded at 20°/CA. -sharp lower contact at 55°/CA. -soft and slightly magnetic. -sharp lower contact at 50°/CA. -irregular oriented carbonate filled fractures present.		-strong chloritization. -weak to moderate bleaching in the first 0.5m of unit.	-97.00-97.50m, 80% pyrite, 10% pyrrhotite, trace sphalerite. -the pyrite is coarser than the pyrrhotite. -the sulphides are in beds parallel to bedding. -the sphalerite is present in carbonate filled fractures. -95.60-96.40m, 35-40% pyrite, 3-5% pyrrhotite, 2-3% sphalerite, trace galena. -sphalerite is disseminated and fracture controlled. -fractures are filled with carbonate. -pyrite is coarse grained and in bands parallel to bedding.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
96.40 TO 100.18	FELSIC INTRUSION «9b»	-similar to unit between 82.18-84.58m. -sharp irregular lower contact.				
100.18 TO 120.28	MAFIC TUFF «2t,Ch(Cb)»	-dark green. -medium grained (becomes finer grained near contacts). -weakly bedded to massive unit. -massive parts show moderate foliation at 25°/CA. -bedding is between 25-40°/CA. -bedding/foliation throughout the unit are listed below: 100.18-103.0m, subparallel to core axis, 103.0-112.0m, 25°/CA, 112.0-114.0m, subparallel to 10°/CA, 114.0-116.8m, 25-30°/CA, 116.8-117.8m, subparallel to core axis, 117.8-120.28m, 35-40°/CA. -bedding becomes better defined in the last 5m of the unit. -unit is soft and moderately magnetic. -massive areas contain 3-4% biotite. -sharp lower contact at 30°/CA. -trace garnets in the last 5m (2-3mm in size).		-moderate to strong chloritization. -weak to moderate carbonatization.	-1-3% pyrite disseminated throughout. -105.50-106.20m, 10-15% pyrite, along a quartz filled fracture at 25°/CA. -116.0-120.28m, 2-3% pyrite, parallel to bedding, fracture controlled and disseminated.	
120.28 TO 123.52	SULPHIDE FACIES IRON FORMATION «5s»	-brassy yellow-brown. -medium grained. -similar to unit between 62.44-66.04m. -unit contains 95% sulphides and is bedded at 30-35°/CA. -sharp lower contact at 50°/CA.			-80% pyrrhotite, 20% pyrite. -pyrite is coarser grained than the pyrrhotite.	
123.52 TO 130.22	INTER-MEDIATE TO FELSIC TUFF «3/4t,Se»	-light to medium grey-green. -fine grained. -unit is weakly bedded. -bedding at 40°/CA. -unit is slightly magnetic and soft. -sharp lower contact at 60°/CA.		-moderate to strong sericitization. -moderate chloritization (in last 3m of unit).	-1-3% pyrite, fracture controlled. -125.80-126.20m, 0.5% fracture controlled red sphalerite (appears to be remobilized).	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
130.22 TO 132.05	SULPHIDE FACIES IRON FORMATION «5s»	-similar to unit between 120.28-123.52m. -bedding at 45-50°/CA. -sharp lower contact at 45°/CA. -trace garnets in last 20cm of unit.			-60% pyrrhotite, 40% pyrite.	
132.05 TO 136.55	FELSIC TUFF «4t,Si(Ch)»	-light to dark grey. -fine grained. -weakly bedded unit, bedding at 55-65°/CA. -sharp irregular lower contact. -unit is hard and moderately to strongly magnetic.		-moderately to strongly silicified. -weak to moderate pervasive chloritization.	-3-5% pyrite (fracture controlled and disseminated throughout). -2-4% pyrrhotite (fracture controlled and disseminated throughout). -trace to 1% magnetite.	
136.55 TO 143.87	SULPHIDE FACIES IRON FORMATION «5s»	-brassy yellow-brown. -similar to units betweem 62.44-66.04m, 120.28-123.52m. -gradational lower contact. -unit contains 90% sulphides. -from 136.55-138.25m, unit contains 30% felsic inclusions. -weak bedding at 45-55°/CA. -unit is very strongly magnetic.		-inclusions are strongly silicified.	-65% pyrrhotite, 35% pyrite. -pyrite is coarser grained than the pyrrhotite. -trace to 1% magnetite.	
143.87 TO 169.85	INTER-MEDIATE TUFF «3t(Ch,Si)»	-light grey-green with pink bands. -medium grained. -unit is weakly bedded or moderately foliated. -bedding/foliation at 45-50°/CA. -unit is moderately hard and moderately to strongly magnetic. -unit contains 5% magnetite and 15-20% garnets (2-3mm in size). -sharp irregular lower contact. -151.67-152.40m, mafic dyke, sharp contacts at 70°/CA. -unit becomes finer grained in last 2-3m.		-moderate chloritization. -weak to moderate silicification. -weak carbonatization.	-2-3% finely disseminated pyrite throughout unit.	
169.85 TO 186.10	SULPHIDE FACIES IRON FORMATION «5s»	-brassy yellow-brown. -medium to coarse grained. -similar to units between 62.44-66.04m, 120.28-123.52m and 136.55-143.87m. -weakly bedded at 40°/CA.		-wallrock fragments are strongly silicified and weakly to moderately chloritized.	-55-60% pyrrhotite, 35-40% pyrite and 5-10% magnetite. -magnetite grains are up to 2mm in	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		-unit contains 80-85% sulphides. -wallrock fragments are subrounded and silicified. -sharp lower contact at 30°/CA. -unit is moderately hard and strongly magnetic. -183.55-184.80m, felsic inclusion, strongly silicified, irregular contacts.			size. -the pyrite is coarser grained than the pyrrhotite. -183.55-184.80m, 1-3% pyrite, 3-5% pyrrhotite, 1-2% magnetite.	
186.10 TO 189.12	MAFIC DYKE «7c»	-dark grey. -coarse grained. -massive unit, weakly magnetic, soft. -sharp lower contact at 40°/CA. -unit contains 1-2% biotite, 2-3% chlorite blebs. -core is highly broken and contains irregular carbonate filled fractures.		-weak carbonatization. -moderate chloritization.	-trace magnetite.	
189.12 TO 210.00	FELSIC TUFF «4tSeSiCh»	-patchy yellow-green and dark grey-green. -fine grained. -weakly bedded to semi-massive unit. -bedding/foliation at 40°/CA. -unit appears to have up to 0.5% lapilli sized fragments. -fragments are subrounded. -unit is hard and weakly to moderately magnetic. -sharp lower contact at 25°/CA.		-moderate chloritization. -moderate to strong sericitization. -moderate silicification.	-3-5% pyrrhotite, 1-2% pyrite. -sulphides are present in fragments and along bedding planes.	
210.00 TO 219.00	SULPHIDE FACIES IRON FORMATION «5s»	-brassy yellow-brown. -medium to coarse grained. -similar to previous sulphide facies iron formations in this hole. -unit contains 60-65% sulphides. -wallrock inclusions appear to be similar to unit between 189.12-210.00m. -inclusions between 210.46-210.89m, 211.19-211.37m, 211.77-212.05m, 212.63-212.93m, 217.05-217.13m and 217.97-218.04m. -unit is weakly bedded at 35°/CA. -sharp lower contact at 30°/CA.		-inclusions are strongly silicified. -moderately sericitized and chloritized.	-80% pyrrhotite, 20% pyrite. -pyrite is coarser grained than the pyrrhotite.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
219.00 TO 244.00	FELSIC TUFF «4t,Se»	-light grey-green to medium green. -fine grained. -unit is bedded with bedding at 50°/CA (starts at 30-40°/CA and increases to 50°). -unit contains up to 0.5% tourmaline. -unit is soft and non-magnetic. -unit is slightly fractured. -fractures are irregular and filled with quartz. -219.23m, 3mm wide fault gouge at 35°/CA.		-moderate to strong sericitization. -weak chloritization (first 2m of unit moderately chloritized).	-trace pyrite.	
244.00 TO 244.00	E.O.H.					

Sample	From (M)	To (M)	Leng. (M)	Cu ppm	Zn ppm	Au ppb	Ag ppm	Pb ppm	Ni ppm
AN06155	2.75	4.25	1.50	483	108	7	0.7	0	179
AN06156	4.25	4.65	0.40	1420	132	22	0.7	0	840
AN06157	4.65	5.47	0.82	734	65	15	0.3	0	183
AN06158	5.47	7.00	1.53	666	142	14	0.4	0	289
AN06159	7.00	8.50	1.50	288	88	11	0.1	0	159
AN06160	8.50	9.95	1.45	210	162	20	0.1	0	116
AN06162	9.95	10.75	0.80	185	52	20	0.1	1	82
AN06163	10.75	12.25	1.50	285	850	60	0.4	2	114
AN06164	12.25	13.10	0.85	291	331	16	0.3	0	104
AN06165	13.10	13.40	0.30	1335	1480	22	0.5	0	239
AN06166	13.40	14.90	1.50	211	189	50	0.0	0	82
AN06167	14.90	16.00	1.10	98	53	18	0.0	0	43
AN06168	16.00	17.50	1.50	98	46	14	0.2	0	50
AN06169	17.50	19.00	1.50	164	130	32	0.2	0	71
AN06170	19.00	20.50	1.50	206	390	66	0.2	0	95
AN06171	20.50	22.00	1.50	164	75	16	0.2	0	116
AN06172	22.00	23.50	1.50	195	246	34	0.5	0	92
AN06173	23.50	25.00	1.50	360	344	96	1.1	0	131
AN06174	25.00	26.00	1.00	264	350	20	0.1	0	129
AN06175	26.00	26.70	0.70	255	440	10	0.1	0	99
AN06176	26.70	27.00	0.30	625	540	108	0.4	0	90
AN06177	27.00	28.00	1.00	221	360	38	0.8	0	69
AN06178	28.00	29.50	1.50	80	287	14	0.3	0	36
AN06179	29.50	31.00	1.50	92	164	12	0.3	0	47
AN06180	31.00	32.50	1.50	190	555	24	0.7	25	64
AN06182	32.50	34.00	1.50	211	1060	42	0.4	0	78
AN06183	34.00	35.50	1.50	81	450	16	0.2	0	42
AN06184	35.50	37.10	1.60	108	446	20	0.5	0	43
AN06185	37.10	38.50	1.40	221	181	12	0.4	0	158
AN06186	38.50	40.00	1.50	139	116	7	0.5	0	119
AN06187	40.00	41.50	1.50	164	138	12	0.3	0	143
AN06188	41.50	43.00	1.50	228	240	16	0.1	0	205
AN06189	46.50	47.50	1.00	115	101	10	0.1	2	71
AN06190	47.50	48.15	0.65	450	96	54	0.4	3	81
AN06191	48.15	49.15	1.00	194	194	5	0.1	0	66
AN06192	58.37	59.37	1.00	48	195	10	0.0	1	63
AN06193	59.37	60.87	1.50	149	227	10	0.1	1	42
AN06194	60.87	62.44	1.57	91	347	20	0.0	0	31
AN06195	62.44	63.94	1.50	106	305	64	0.3	1	76
AN06196	63.94	65.00	1.06	157	244	44	0.0	0	84
AN06197	65.00	66.03	1.03	108	189	32	0.2	0	79
AN06198	66.03	67.47	1.44	73	169	16	0.4	3	67
AN06199	67.47	67.91	0.44	243	130	652	0.8	14	126
AN06200	67.91	69.41	1.50	62	101	20	0.2	4	115
AN05951	70.65	72.15	1.50	37	298	54	0.1	4	96
AN05952	72.15	73.00	0.85	55	75	46	0.3	0	30
AN05953	73.00	74.50	1.50	40	125	14	0.4	0	73

Sample	From (M)	To (M)	Leng. (M)	Cu ppm	Zn ppm	Au ppb	Ag ppm	Pb ppm	Ni ppm
AN05954	74.50	76.00	1.50	96	51	15	0.4	0	23
AN05955	76.00	77.50	1.50	192	185	22	0.3	3	29
AN05956	77.50	79.00	1.50	153	341	12	0.3	8	31
AN05957	79.00	80.50	1.50	68	1460	16	0.7	660	22
AN05958	80.50	82.18	1.68	44	681	20	0.3	202	36
AN05959	84.58	86.15	1.57	260	1680	6	0.7	1840	39
AN05960	86.15	87.85	1.70	14	194	0	0.3	69	104
AN05962	93.18	94.00	0.82	88	529	14	0.3	51	42
AN05963	94.00	94.50	0.50	89	730	20	0.6	1140	31
AN05964	94.50	95.60	1.10	10	395	6	0.2	75	52
AN05965	95.60	96.40	0.80	219	43800	18	2.4	17800	107
AN05966	115.00	116.50	1.50	34	74	15	0.0	0	50
AN05967	116.50	118.00	1.50	34	76	16	0.0	0	26
AN05968	118.00	119.00	1.00	34	96	18	0.0	0	28
AN05969	119.00	120.28	1.28	27	157	12	0.0	0	27
AN05970	120.28	121.78	1.50	142	102	19	0.3	0	59
AN05971	121.78	122.78	1.00	161	110	24	0.3	0	65
AN05972	122.78	123.58	0.80	86	126	50	0.3	0	39
AN05973	123.58	124.30	0.72	30	68	15	0.1	0	92
AN05974	124.30	125.80	1.50	128	137	12	0.1	0	88
AN05975	125.80	126.20	0.40	138	2830	14	0.2	0	51
AN05976	126.20	127.70	1.50	167	182	17	0.1	0	54
AN05977	127.70	129.30	1.60	158	142	70	0.0	0	67
AN05978	129.30	130.22	0.92	83	140	18	0.1	0	62
AN05979	130.22	131.22	1.00	74	155	18	0.2	0	39
AN05980	131.22	132.05	0.83	105	195	1540	0.6	3	55
AN05982	132.05	133.00	0.95	56	330	210	0.1	2	37
AN05983	133.00	134.00	1.00	46	176	92	0.3	1	43
AN05984	134.00	135.00	1.00	64	73	90	0.2	2	36
AN05985	135.00	136.55	1.55	29	79	98	0.2	5	43
AN05986	136.55	138.00	1.45	109	310	51	0.5	7	73
AN05987	138.00	139.00	1.00	76	194	86	0.6	2	74
AN05988	139.00	140.50	1.50	73	229	90	0.4	5	78
AN05989	140.50	142.00	1.50	73	185	60	0.4	3	85
AN05990	142.00	143.00	1.00	515	154	101	0.4	4	81
AN05991	143.00	143.87	0.87	114	138	46	0.4	3	83
AN05992	143.87	145.37	1.50	33	164	14	0.1	0	44
AN05993	168.35	169.85	1.50	29	62	10	0.0	2	41
AN05994	169.85	171.00	1.15	37	133	98	0.2	0	48
AN05995	171.00	172.00	1.00	37	99	181	0.2	0	56
AN05996	172.00	173.50	1.50	48	198	61	0.3	1	53
AN05997	173.50	175.00	1.50	49	262	59	0.3	0	53
AN05998	175.00	176.50	1.50	36	196	75	0.2	0	50
AN05999	176.50	178.00	1.50	35	288	67	0.2	0	55
AN06000	178.00	179.50	1.50	123	212	77	0.2	0	51
AN02902	179.50	181.00	1.50	52	530	74	0.5	3	44
AN02903	181.00	182.50	1.50	55	221	80	0.5	1	52

Sample	From (M)	To (M)	Leng. (M)	Cu ppm	Zn ppm	Au ppb	Ag ppm	Pb ppm	Ni ppm
AN02904	182.50	183.55	1.05	55	188	53	0.4	0	58
AN02905	183.55	184.80	1.25	29	132	38	0.2	0	43
AN02906	184.80	186.10	1.30	46	122	33	0.4	1	56
AN02907	189.12	190.00	0.88	36	370	34	0.6	4	23
AN02908	190.00	191.50	1.50	40	214	18	0.3	3	24
AN02909	191.50	193.00	1.50	75	89	10	0.3	2	36
AN02910	193.00	194.50	1.50	32	38	16	0.2	6	33
AN02911	194.50	196.00	1.50	33	79	18	0.3	5	29
AN02912	196.00	197.50	1.50	80	293	6	0.3	1	35
AN02913	197.50	199.00	1.50	30	113	9	0.1	5	29
AN02914	199.00	200.50	1.50	52	785	8	0.2	3	23
AN02915	200.50	202.00	1.50	97	610	16	0.2	3	40
AN02916	202.00	203.50	1.50	71	350	16	0.2	3	32
AN02917	203.50	205.00	1.50	43	93	32	0.2	3	23
AN02918	205.00	206.50	1.50	25	84	14	0.2	4	28
AN02919	206.50	208.00	1.50	30	128	14	0.2	4	32
AN02920	208.00	209.00	1.00	20	86	6	0.2	3	40
AN02922	209.00	210.00	1.00	26	118	12	0.1	6	33
AN02923	210.00	211.00	1.00	41	100	890	0.4	0	52
AN02924	211.00	212.50	1.50	64	206	33	0.4	0	58
AN02925	212.50	214.00	1.50	62	207	17	0.5	0	50
AN02926	214.00	215.50	1.50	40	316	18	0.3	0	35
AN02927	215.50	217.00	1.50	45	181	18	0.2	0	52
AN02928	217.00	218.00	1.00	45	237	3	0.3	0	51
AN02929	218.00	219.00	1.00	69	276	35	0.5	0	63
AN02930	219.00	220.50	1.50	20	176	114	0.1	0	24

Sample	From (M)	To (M)	Leng. (M)	SIO2 %	AL2O3 %	CAO %	MGO %	NA2O %	K2O %	FE2O3 %	TIO2 %	P2O5 %	MNO %	CR2O3 %	LOI %	SUM %	Y PPM	ZR PPM	BA PPM	RB PPM	SR PPM	CO2 %	CU PPM	ZN PPM	NI PPM	CR PPM	FIELD NAME	CHEM ID	ALUM
AN03238	1.00	4.00	3.00	46.99	12.32	10.64	7.42	0.80	1.00	15.40	1.39	0.18	0.30	0.04	1.13	97.60	16	50	410				290	140	100			2u	99
AN03239	19.00	22.00	3.00	60.42	12.13	3.91	3.75	1.21	0.32	12.47	0.82	0.18	0.31	0.06	2.35	97.95	18	62	90				35	220	40			2v	223
AN03240	49.00	52.00	3.00	52.45	18.45	4.49	2.42	1.24	2.14	11.63	2.14	0.14	0.35	0.05	2.55	98.05	36	132	1070				75	140	80			2w	234
AN03241	68.00	71.00	3.00	49.97	9.06	7.59	11.89	1.44	3.30	8.49	0.50	0.18	0.19	0.14	4.90	97.65	12	72	1140				25	35	300			1	73
AN03242	76.00	79.00	3.00	65.99	0.78	0.94	2.92	0.07	0.22	25.46	0.06	0.04	0.54	0.05	0.60	97.67	6	16	70				5	115	<10			1	63
AN03243	93.20	96.20	3.00	51.35	13.96	1.22	6.05	1.37	1.18	16.46	0.61	0.08	0.52	0.04	4.71	97.56	6	60	840				<5	270	60			2v*	370
AN03244	111.00	114.00	3.00	53.88	11.43	5.62	9.23	2.89	1.72	8.25	0.51	0.24	0.16	0.11	4.05	98.09	16	94	540				60	45	200			1	112
AN03245	124.00	127.00	3.00	51.28	30.34	0.33	0.99	1.78	0.70	7.36	1.61	0.14	0.19	0.15	2.84	97.72	14	98	50				95	385	70			3?*	1080
AN03246	151.00	154.00	3.00	50.99	13.55	4.52	4.05	0.94	1.38	19.51	0.36	0.18	1.06	0.05	1.50	98.09	14	128	490				10	75	20			2v	198
AN03247	193.00	196.00	3.00	93.37	0.64	0.23	0.65	0.08	0.06	5.07	<0.01	<0.02	0.18	0.07	0.41	100.77	4	14	50				<5	45	<10			4PR	173
AN03248	232.00	235.00	3.00	72.55	13.41	3.26	1.43	0.74	1.00	3.52	0.28	0.10	0.16	0.14	1.58	98.17	12	134	230				35	40	20			4PR	268

Sample	From (M)	To (M)	Leng. (M)	AG PPM	AU PPB	CO PPM	PB PPM	S PPM	V PPM	AS PPM	SN PPM	CD PPM	SB PPM	BI PPM	SE PPM	HF PPM	TA PPM	W PPM	MO PPM	TH PPM	U PPM	B PPM	CS PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	GD PPM
AN03238	1.00	4.00	3.00			60		4600																					
AN03239	19.00	22.00	3.00			20		11000																					
AN03240	49.00	52.00	3.00			70		5900																					
AN03241	68.00	71.00	3.00			50		1400																					
AN03242	76.00	79.00	3.00			10		11000																					
AN03243	93.20	96.20	3.00			30		7000																					
AN03244	111.00	114.00	3.00			40		600																					
AN03245	124.00	127.00	3.00			35		1900																					
AN03246	151.00	154.00	3.00			15		5000																					
AN03247	193.00	196.00	3.00			<5		6000																					
AN03248	232.00	235.00	3.00			20		800																					

Sample	From (M)	To (M)	Leng. (M)	DY PPM	ER PPM	LU PPM	OS PPB	IR PPB	RU PPB	RH PPB	PT PPB	PD PPB	LI PPM	BE PPM	MN PPM	GA PPM	GE PPM	IN PPM	TL PPM	SC PPM	BR PPM	YB PPM	NB PPM
AN03238	1.00	4.00	3.00																				
AN03239	19.00	22.00	3.00																				
AN03240	49.00	52.00	3.00																				
AN03241	68.00	71.00	3.00																				
AN03242	76.00	79.00	3.00																				
AN03243	93.20	96.20	3.00																				
AN03244	111.00	114.00	3.00																				
AN03245	124.00	127.00	3.00																				
AN03246	151.00	154.00	3.00																				
AN03247	193.00	196.00	3.00																				
AN03248	232.00	235.00	3.00																				

HOLE NUMBER: GA61-06

FALCONBRIDGE LIMITED
DRILL HOLE RECORD

DATE: 01/28/1993
IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: 8668
PROJECT NUMBER: 008668
CLAIM NUMBER: P583881
LOCATION: NW GENOA TWP

PLOTTING COORDS GRID: UTM
NORTH: 5298231.30N
EAST: 410042.60E
ELEV: 438.90

ALTERNATE COORDS GRID: LINE
NORTH: 47+60N
EAST: 168+75E
ELEV: 438.90

COLLAR DIP: -60° 0' 0"
LENGTH OF THE HOLE: 835.00M
START DEPTH: 0.00M
FINAL DEPTH: 835.00M

COLLAR ASTRONOMIC AZIMUTH: 345° 0' 0"

GRID ASTRONOMIC AZIMUTH: 345° 0' 0"

DATE STARTED: 10/20/1992
DATE COMPLETED: 11/10/1992
DATE LOGGED: 11/24/1992

COLLAR SURVEY: YES
ROD LOG: NO
HOLE MAKES WATER: NO

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

CONTRACTOR: NOREX DRILLING
CASING: 1.1m BW
CORE STORAGE: MINESITE
UTM COORD.: YES

COMMENTS : To test mineralized zone at depth.
WEDGES 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
10.00	352° 0' 0"	-58° 0' 0"	S	OK		-	-	-	-	-	
60.00	355° 0' 0"	-58° 0' 0"	S	OK		-	-	-	-	-	
120.00	352° 0' 0"	-59° 0' 0"	S	OK		-	-	-	-	-	
160.00	355° 0' 0"	-59° 0' 0"	S	OK		-	-	-	-	-	
180.00	360° 0' 0"	-60°30' 0"	S	OK		-	-	-	-	-	
240.00	10° 0' 0"	-61° 0' 0"	S	OK		-	-	-	-	-	
270.00	11° 0' 0"	-61° 0' 0"	S	OK		-	-	-	-	-	
300.00	14° 0' 0"	-61° 0' 0"	S	OK		-	-	-	-	-	
330.00	12° 0' 0"	-61° 0' 0"	S	OK		-	-	-	-	-	
360.00	17° 0' 0"	-60°30' 0"	S	OK		-	-	-	-	-	
420.00	° ' "	-60°30' 0"	A	OK		-	-	-	-	-	
480.00	23° 0' 0"	-59° 0' 0"	S	OK		-	-	-	-	-	
540.00	33° 0' 0"	-57° 0' 0"	S	OK		-	-	-	-	-	
658.00	27° 0' 0"	-56°30' 0"	S	OK		-	-	-	-	-	
742.00	38° 0' 0"	-57° 0' 0"	S	OK		-	-	-	-	-	
835.00	41° 0' 0"	-53° 0' 0"	S	OK		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
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FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 1.20	OVERBURDEN «|ob|»					
1.20 TO 22.75	FELSIC INTRUSIVE «9»	-creamy grey with light pink areas. -coarse grained. -massive unit. -irregular chlorite rich fractures throughout. -patchy areas appear to be porphyry like. -areas are coarser grained and contain feldspar phenocrysts up to 3mm in diameter. -these areas have gradational contacts. -last 2-3m of unit are finer grained. -sharp lower contact at 5-7°/CA.		-patchy epidotization. -weak hematization (fracture controlled). -weak potassic alteration in last 2-3m of unit.	-trace pyrite.	
22.75 TO 153.85	DIABASE «10»	-dark grey. -fine grained. -massive unit. -hard, moderately to strongly magnetic. -finer grained near contacts. -sharp lower contact at 15°/CA.		-trace epidote along fractures.	-trace to 0.5% magnetite.	
153.85 TO 166.28	SILICIFIED MAFIC VOLCANIC OR MAFIC TUFF «2,2t(Si)»	-light grey-green to dark green. -fine grained. -moderately to strongly banded/bedded. -banding/bedding has varying orientations, from being parallel to the core axis, to 45°/CA. -unit slightly fractured perpendicular to bedding. -fractures are filled with chlorite. -sharp lower contact at 15°/CA. -minor faults with 1-2mm wide gouge, subparallel to CA between 158.0-159.0m and 160.0-161.0m. -2-3% garnets, up to 5mm in diameter.		-moderate silicification and chloritization.	-trace pyrite.	-unit appears to be "cooked" by the diabase units on either side of it.
166.28 TO 198.30	DIABASE «10»	-similar to unit between 22.75-153.85m. -sharp lower contact at 30°/CA.				
198.30 TO 256.75	INTER-MEDIATE TO FELSIC TUFF	-fine to medium grained. -light yellow-green to dark grey. -banded/bedded unit.		-moderate to strong sericitization	-trace pyrite.	-looks similar to top of GA61-01,

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
	«3/4tSe,Ch»	-bedding at 45-55°/CA between 198.30-206.00m, at 40-45°/CA between 206.00-220.00m, and 30-40°/CA between 220.00-256.00m (closer to 256.00m, the bedding is at 30°/CA). -some bedding between 209.00-225.00m, is contorted and looks possibly folded. -unit contains 10-15% garnets (average size 1mm). -garnets are present in the more mafic/chloritic beds. -209.35-209.85m, mafic dyke at 40°/CA. -250.69-252.57m, mafic dyke at 45°/CA.		(pervasive). -moderate to strong chloritization (patchy and along beds). -patchy moderate silicification.		GA61-03.
256.75 TO 275.74	FELSIC TUFF «4t,Se»	-yellow-grey-green. -fine to medium grained. -weakly to moderately bedded unit, bedding at 25-30°/CA. -areas appear to be massive. -unit has a gradational upper contact. -unit contains 0.5% tourmaline. -264.35-266.15m, felsic intrusive dyke (FP). -upper contact at 40°/CA. -irregular lower contact. -266.70-266.93m, irregular felsic dyke. -area contains 10-15%, 1mm quartz eyes. -264.50-265.00m, lost core. -sharp lower contact at 55°/CA.		-moderate to strong pervasive sericitization. -weak patchy chloritization.		
275.74 TO 281.76	GRANO-DIORITE «9O»	-light pink-grey. -coarse grained. -massive unit. -(5%) feldspar phenocrysts (up to 3mm in diameter) are present. -unit has a sharp lower contact at 40°/CA.		-weak sericitization.	-trace pyrite.	
281.76 TO 284.47	FELSIC TUFF «4t,Ch»	-dark grey. -fine grained. -bedded unit, bedding at 20-25°/CA. -unit appears to be contorted by the intrusions present on both sides of it. -sharp lower contact at 35°/CA. -from 283.91-284.07m, felsic intrusion, irregular contacts.		-moderate chloritization. -weak patchy silicification.	-1-2% pyrite.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
284.47 TO 286.08	FELSIC INTRUSIVE «9D»	-creamy grey-brown. -coarse grained. -similar to unit between 275.74-281.76m. -unit has an irregular lower contact. -trace tourmaline.		-moderate pervasive chloritization.	-trace pyrite.	
286.08 TO 300.60	INTER-MEDIATE TO FELSIC TUFF «3/4tCh,Si»	-light to dark grey. -fine grained. -bedded unit, bedding at 30°/CA. -unit contains 1-2% garnets in more chloritic areas. -garnets are 1-3mm in diameter. -sharp lower contact at 20°/CA. -weak to moderate foliation parallel to bedding.		-moderate pervasive chloritization. -moderate silicification (strong near end of unit). -weak to moderate sericitization.	-trace pyrite.	
300.60 TO 301.63	MAFIC DYKE «2/7m»	-fine grained. -medium green. -massive unit. -sharp lower contact at 35°/CA.		-weak chloritization. -weak epidotization.		
301.63 TO 337.50	INTER-MEDIATE TO FELSIC TUFF «3/4t,Se» «Ch,Si»	-light to dark grey. -fine grained. -moderately banded/bedded unit, bedding at 30-40°/CA. -average 35°/CA. -unit contains trace tourmaline and 1-2% garnets. -garnets are present in the more chlorite rich/ mafic bands. -garnets average 1mm in diameter. -gradational lower contact.		-weak to moderate sericitization. -patches of strong sericitization also present. -moderate pervasive chloritization. -moderate silicification (patches of strong silica flooding). -last 2-2.5m of unit have weak to moderate potassic alteration.	-trace pyrite.	
337.50 TO 339.34	QUARTZ FELDSPAR VEIN «9»	-orange-white. -fine grained. -massive unit. -sharp lower contact at 25°/CA. -vein contains 1% wallrock fragments.		-moderate potassic alteration.		

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
339.34 TO 343.85	FELSIC TUFF «4tSi(Se)»	-creamy green-white. -fine grained. -bedded unit, bedding at 10-20°/CA. -sharp lower contact at 40°/CA. -unit appears to be altered and disturbed by the vein before it and the dyke after it.		-strong silicification. -moderate sericitization.		
343.85 TO 353.55	MAFIC DYKE (GABBRO?) «7c(Ch)»	-dark green. -medium to coarse grained. -massive unit, weakly to moderately magnetic. -moderately hard. -sharp lower contact at 60°/CA. -moderate foliation at 50°/CA. -2-3% biotite in unit.		-moderate chloritization. -weak carbonatization.	-trace magnetite.	
353.55 TO 370.65	FELSIC TUFF «4t,Se»	-light grey-green. -fine grained. -bedded unit at 35°/CA. -trace to 0.5% tourmaline. -unit contains trace lapilli sized fragments. -unit is moderately hard. -sharp lower contact at 25°/CA. -trace garnets in last 1-2m of unit.		-moderate to strong sericitization. -weak pervasive chloritization.	-trace pyrite.	
370.65 TO 374.68	MAFIC TUFF «2tCh(Se)»	-medium to dark grey-green. -fine to medium grained. -unit is weakly to moderately bedded at 30°/CA. -unit has a sharp lower contact at 55°/CA. -15-20% garnets present, average size 1-2mm. -weakly to moderately magnetic.		-moderate to strong chloritization. -weak to moderate sericitization.		
374.68 TO 412.68	FELSIC TUFF «4t(Ch,Se)»	-light grey-green. -fine grained. -similar to unit between 353.55-370.65m. -sharp irregular lower contact. -trace to 0.5% tourmaline. -trace garnets. -bedding at 30°/CA. -at 381.50-381.65m, possible fold nose. -parts of unit appear to be semi-massive.		-weak to moderate pervasive chloritization and sericitization.		

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
412.68 TO 430.80	MAFIC TO INTER-MEDIATE TUFF «2/3tCh,Cb»	-fine to medium grained. -medium to dark grey-green. -bedded unit, bedding at 30-35°/CA. -10-15% of the beds are felsic composition. -unit is moderately hard and moderately to strongly magnetic. -unit contains 25-30% garnets, average size 1-2mm. -gradational lower contact.		-moderate to strong chloritization. -weak to moderate carbonatization.	-trace pyrite. -trace to 0.5% pyrrhotite. -1-2% magnetite.	
430.80 TO 442.00	FELSIC TUFF «4tSe(Ch)»	-buff-grey. -fine grained. -bedded unit, bedding at 30-35°/CA. -gradational lower contact. -irregular chlorite filled fractures crosscut bedding.		-strong sericitization. -weak to moderate chloritization.	-trace pyrite.	
442.00 TO 449.85	MAFIC TUFF «2t(Ch,Se)»	-fine grained. -medium to dark grey-green. -bedded unit, bedding at 25-35°/CA, average 35°/CA. -unit contains 10% felsic rich beds. -gradational lower contact. -weakly magnetic in chlorite rich sections. -unit contains 15-20% garnets, average size 1-2mm.		-moderate chloritization and sericitization. -weak silicification.	-trace pyrite and magnetite.	
449.85 TO 454.00	FELSIC TUFF «4tSe(Ch)»	-similar to unit between 430.80-442.00m. -gradational lower contact.				
454.00 TO 457.85	MAFIC TUFF «2t(Ch,Se)»	-similar to unit between 442.00-449.85m. -sharp lower contact at 40°/CA.				
457.85 TO 463.75	GRANO-DIORITE «8»	-creamy grey. -coarse grained. -massive unit. -contains 2-3% feldspar phenocrysts (up to 4mm in diameter). -sharp lower contact at 60°/CA.		-weak sericitization.	-trace pyrite.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
463.75 TO 465.75	MAFIC DYKE «7c(Ch)»	-dark grey-green. -coarse grained. -massive unit. -contains 1-2% biotite. -weakly magnetic. -sharp lower contact at 55°/CA.		-moderate chloritization. -weak carbonatization.	-trace to 0.5% pyrite.	
465.75 TO 469.95	GRANO-DIORITE «8»	-similar to unit between 457.85-463.75m. -sharp contact at 40°/CA.				
469.95 TO 474.88	MAFIC DYKE «7c(Ch)»	-medium grey-green. -medium to coarse grained. -massive unit. -weakly magnetic. -hard unit. -sharp lower contact at 40°/CA.		-weakly carbonatized. -weak to moderate chloritization (1-2% chlorite flakes present).	-trace magnetite and pyrite.	
474.88 TO 478.75	FELSIC TUFF «4tSe(Ch)»	-similar to unit between 430.80-442.00m. -bedding at 30-35°/CA. -sharp lower contact at 35°/CA.		-strong sericitization. -moderate chloritization.		
478.75 TO 480.00	MAFIC TUFF «2tCh(Se)»	-dark green. -fine to medium grained. -weakly bedded at 30-35°/CA. -strongly magnetic. -soft, easily scratched by a scribe. -5-10% garnets. -garnets are 2-3mm in diameter. -sharp lower contact at 45°/CA.		-strong chloritization. -weak to moderate sericitization.	-trace to 1% pyrrhotite. -trace pyrite.	
480.00 TO 494.42	FELSIC TUFF «4tSe(Ch)»	-grey to yellow-green. -fine grained. -bedded unit, bedding between 30-45°/CA. -top of unit at 30°/CA. -increases to 40-45°/CA at lower end. -unit contains 2-3% tourmaline. -moderate foliation parallel to bedding. -sharp lower contact at 40°/CA. -unit also contains trace amounts of garnets in the more chloritic sections.		-strong pervasive sericitization. -moderate pervasive chloritization between 480.00-484.00m.	-trace pyrite.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
494.42 TO 531.57	MAFIC TO INTER-MEDIATE TUFF «2/3tSe,Ch»	-pinkish grey-green. -fine grained. -bedded unit, bedding at 25-30°/CA. -first 6m of unit bedding at 30°/CA, remaining of unit at 25°/CA. -unit is weakly to moderately magnetic (patches are strongly magnetic). -from 507.00-520.00m, unit has an increase in felsic beds, more intermediate in composition, area has 40-45% felsic beds. -unit contains 20-30% garnets (most are in the mafic beds). -unit contains rare lapilli sized felsic fragments. -sharp lower contact at 50°/CA. -from 520.38-520.80m, strong fuchsite shear/vein area, contacts at 30°/CA.		-moderate sericitization. -moderate to strong chloritization. -patchy silicification.	-trace to 1% pyrite. -sulphides are fracture controlled and disseminated throughout. -trace pyrrhotite. -1-2% magnetite. -percentage of sulphides increases in the last 10-12m of unit.	
531.57 TO 533.20	MAFIC DYKE «7b(Ch)»	-medium grained. -medium to dark green. -massive unit with minor amounts of irregular carbonate filled fractures. -sharp lower contact at 40°/CA. -1-2mm wide fault gouge parallel to and along the upper contact.		-moderate chloritization.	-trace pyrite.	
533.20 TO 536.76	QUARTZ FELDSPAR PORPHYRY «9d»	-creamy grey. -coarse grained. -massive unit with 80% phenocrysts. -phenocrysts are 90% feldspar and 10% quartz. -phenocrysts are 1-4mm in size, average 1-2mm. -sharp lower contact at 30°/CA. -from 536.37-536.45m, diabase dyke at 65°/CA.		-weak to moderate sericitization.	-trace pyrite.	
536.76 TO 553.53	MAFIC TUFF «2t(Ch)»	-dark pinkish grey-green. -medium grained. -bedded unit, bedding at 20-30°/CA, average of 30°/CA. -sharp lower contact at 30°/CA. -unit contains 30-40% garnets. -garnets average 2-3mm in size. -from 546.80-547.15m, irregular quartz flooded		-moderate chloritization. -patchy silicification.	-last 3.5-4m of unit contains 5% pyrite and 10% pyrrhotite. -whole unit contains 1-2% magnetite. -552.10-552.65m, 20% pyrrhotite, 5% pyrite. -sulphides along the bedding	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		area. -moderate hardness. -weak to moderate magnetism.			planes. -552.__-553.05m, 10-15% pyrrhotite, 3-5% pyrite. -sulphides parallel to bedding planes.	
553.53 TO 556.82	SULPHIDE IRON FORMATION «5s»	-fine to coarse grained. -brown-yellow in colour. -bedded unit, bedding at 25-40°/CA, average 25°/CA. -some of the bedding between 553.53-555.00m is moderately contorted. -unit has a sharp lower contact at 25°/CA. -unit contains 10-15% cherty wallrock material. -unit is strongly magnetic.		-moderate chloritization and silicification in the wallrock fragments.	-60% pyrrhotite, 40% pyrite. -pyrite is coarser grained than the pyrrhotite.	
556.82 TO 558.93	MAFIC TUFF «2t(Ch)»	-similar to unit between 536.76-553.53m. -bedding at 25°/CA. -gradational lower contact.			-10-15% pyrrhotite, 3-5% pyrite in the last 25cm of the unit.	
558.93 TO 562.95	SULPHIDE IRON FORMATION «5s»	-fine to medium grained. -brassy brown-yellow. -bedded unit, bedding at 25°/CA. -soft sediment deformation present as shown by the contorted bedding. -sharp lower contact at 40°/CA. -unit contains 90-95% sulphides.		-wallrock fragments are strongly chloritized and silicified.	-70% pyrrhotite, 30% pyrite. -pyrite is coarser grained and is present in nodule form.	
562.95 TO 564.25	FELSIC DYKE «9D»	-dark grey. -fine to medium grained. -massive unit, contains 15-20% phenocrysts. -phenocrysts appear to be feldspars and 1mm in diameter. -sharp lower contact at 25°/CA. -trace leucoxenes.		-weakly sericitized. -moderate silicification.		
564.25 TO 586.57	SULPHIDE IRON FORMATION «5s»	-brassy brown-yellow. -fine to medium grained. -massive to semi-massive sulphides. -unit contains 80% sulphides and 20% wallrock fragments/inclusions. -inclusions are both felsic and mafic in		-fragments are strongly chloritized and silicified.	-unit contains 60% pyrrhotite and 40% pyrite. -pyrite is slightly coarser grained than the pyrrhotite.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		composition. -unit is weakly bedded at 20-25°/CA, average 25°/CA. -many areas in the unit show signs of soft sediment deformation. -sharp lower contact at 40°/CA. -unit is strongly magnetic. -565.15-565.60m, mafic inclusions with 10% garnets. -576.32-577.28m, felsic inclusion, consists of 75% of interval. -584.72-585.35m, felsic inclusion with 30% sulphides.				
586.57 TO 587.28	DIABASE DYKE «10»	-dark grey-black. -fine grained. -massive, hard, strongly magnetic. -sharp contacts at 50°/CA.				
587.28 TO 591.38	SULPHIDE IRON FORMATION «5s»	-similar to unit between 564.25-586.57m. -unit contains 80% sulphides. -bedding between 15-30°/CA. -average 20°/CA. -sharp lower contact at 40°/CA.			-60-70% pyrrhotite, 30-40% pyrite.	
591.38 TO 592.95	FELSIC TUFF «4tSi,Ch»	-fine grained. -dark grey. -bedding unit, bedding subparallel to 15°/CA. -unit is moderately to strongly magnetic. -sharp lower contact at 40°/CA. -bedding appears to be contorted.		-strong silicification and chloritization. -weak sericitization.	-unit contains 5-10% pyrrhotite, 5% pyrite, 5% magnetite. -sulphides are present along bedding planes and disseminated throughout.	
592.95 TO 593.57	FELDSPAR PORPHYRY DYKE «9D»	-grey. -coarse grained. -massive unit, coarse feldspar phenocrysts. -80% phenocrysts (1-3mm). -sharp irregular lower contact.		-weak sericitization and chloritization.	-trace pyrite.	
593.57 TO 600.54	FELSIC TUFF «4t,Si,Ch»	-dark grey. -similar to unit between 591.38-592.95m, bedding subparallel to unit. -felsic beds appear cherty.		-strong silicification and chloritization.	-10% pyrrhotite, 5% pyrite. -sulphides along bedding planes.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		-sharp irregular lower contact.				
600.54 TO 602.56	FELDSPAR PORPHYRY DYKE «9D»	-creamy grey. -coarse grained. -massive unit. -similar to dyke between 592.95-593.57m. -contains 1-2% K-spar phenocrysts. -total phenocrysts 85%. -sharp lower contact at 20°/CA. -unit contains 1-2% biotite.				
602.56 TO 605.15	FELSIC TUFF «4t,Si,Ch»	-similar to unit between 591.38-592.95m. -bedding is contorted and subparallel to the core axis. -sharp lower contact at 20°/CA.		-strong silicification and chloritization.	-5% pyrrhotite, 3% pyrite.	
605.15 TO 605.79	SULPHIDE IRON FORMATION «5s»	-brassy yellow-brown. -similar to unit between 564.25-586.57m. -bedding subparallel to 5°/CA. -sharp irregular lower contact.			-90% sulphides (75% pyrrhotite, 25% pyrite). -pyrite is coarser than the pyrrhotite.	
605.79 TO 608.81	FELSIC TUFF «4t,Si,Ch»	-similar to unit between 591.38-592.95m. -bedding subparallel to the core axis. -unit is fractured at 30°/CA. -sharp lower contact at 20°/CA.			-5-10% pyrite, 5% pyrrhotite. -sulphides are along the bedding planes and in fractures.	
608.81 TO 610.96	SULPHIDE IRON FORMATION «5s»	-brassy yellow-brown. -fine grained. -semi-massive to massive unit, contains 80-90% sulphides. -strongly magnetic. -unit is weakly bedded up to 20°/CA. -sharp lower contact at 20°/CA.		-strong chloritization in wallrock fragments. -fragments are also strongly silicified.	-80% pyrrhotite, 20% pyrite.	
610.96 TO 615.55	FELSIC TUFF «4tSiChSe»	-dark grey-black. -fine grained. -unit similar to the previous felsic tuffs except, bedding is between 20-30°/CA, average 20°/CA which becomes 25°/CA near bottom of unit. -unit is strongly magnetic but becomes weaker		-strong silicification and chloritization. -weak sericitization.	-20% pyrrhotite, 10% pyrite, trace chalcopyrite. -sulphides are along bedding planes and fractures. -611.92-612.38m, 85% pyrrhotite, trace	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		downhole, (weakly magnetic at end of unit). -sharp lower contact at 30°/CA.			to 1% pyrite (semi-massive pyrrhotite). -613.75-613.90m, 25-30% pyrrhotite, 10% pyrite, trace chalcopyrite. -sulphides along bedding.	
615.55 TO 622.18	MAFIC VOLCANIC «2m,Ch»	-medium green. -fine to medium grained. -massive to weakly bedded unit. -moderate foliation at 30°/CA. -foliation appears to be parallel to the weak bedding. -unit is soft and slightly magnetic. -sharp lower contact at 50°/CA.		-strong chloritization. -weak carbonatization.	-trace pyrite. -last 0.18m of unit contains 2-3% pyrrhotite. -fracture controlled.	
622.18 TO 623.45	INTER-MEDIATE TO FELSIC TUFF «3/4tCh,Si»	-fine grained. -medium to dark grey. -moderately hard, strongly magnetic unit. -bedding at 35-40°/CA, average 40°/CA. -sharp lower contact at 30°/CA. -bedding is weakly contorted, looks like soft sediment deformation.		-weak to moderate chloritization. -moderate silicification.	-10-15% pyrrhotite. -0.5% chalcopyrite. -sulphides are present along fractures and parallel to bedding planes. -chalcopyrite is intermixed with the pyrrhotite.	
623.45 TO 624.30	MAFIC VOLCANIC OR TUFF «2m(t)»	-medium green. -medium grained. -looks similar to unit between 615.55-622.18m except stronger bedding. -bedding at 35°/CA. -sharp lower contact at 35°/CA.		-weak carbonatization and chloritization.		
624.30 TO 624.85	FELSIC TUFF «4t,Ch,Si»	-similar to unit between 622.18-623.45m. -sharp lower contact at 35°/CA.			-10% pyrrhotite, trace chalcopyrite.	
624.85 TO 631.44	MAFIC TUFF «2t(Cb)»	-medium green. -fine to medium grained. -bedded unit, bedding at top of unit at 20°/CA. -becomes 50°/CA at bottom of unit. -sharp lower contact at 50°/CA. -moderate foliation parallel to bedding. -unit is moderately fractured (tension fractures)		-moderate carbonatization.	-trace pyrite.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		parallel to bedding/foliation.				
631.44 TO 631.91	FELDSPAR DYKE «9D»	-similar to unit between 600.54-602.56m.				
631.91 TO 634.02	MAFIC TUFF «2t(Ch)»	-medium grey-green. -fine grained. -weakly bedded unit at 40-45°/CA. -sharp lower contact at 70°/CA. -unit is soft and very slightly magnetic. -similar to previous mafic tuffs.		-weak carbonatization and chloritization.		
634.02 TO 635.22	FELDSPAR PORPHYRY DYKE «9D»	-light grey-white. -coarse grained. -massive unit, containing 80-85% feldspar phenocrysts (2-3mm in size). -unit also contains 1-2% mafic grains. -sharp lower contact at 50°/CA.		-weak sericitization.	-trace pyrite.	
635.22 TO 664.87	MAFIC TUFF «2tCh(Cb)»	-medium grey-green and green-brown. -fine grained. -bedded unit, bedding at: 25°/CA between 635.22-644.00m, 20°/CA between 644.00-647.00m, 15°/CA between 647.00-648.00m, 10°/CA between 648.00-650.00m, subparallel to core axis between 650.00-653.00m, 20°/CA between 653.00-660.00 and 15°/CA between 660.00-664.87m. -sharp irregular lower contact. -between 653.00-660.00m, unit contains 15-20% biotite. -652.90m, 2mm wide fault gouge at 20°/CA.		-moderate to strong chloritization. -weak to moderate carbonatization (patchy).	-651.00-652.50m, 15-20% pyrrhotite, trace pyrite (sulphides are disseminated throughout). -654.70-655.40m, 3-5% pyrite, trace to 1% pyrrhotite (sulphides are along bedding planes).	
664.87 TO 665.24	FELDSPAR PORPHYRY DYKE «9D»	-similar to unit between 634.02-635.22m. -irregular lower contact.				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
665.24 TO 679.50	MAFIC TUFF «2tCh(Cb)»	-fine grained. -medium to dark green. -similar to unit between 635.22-664.87m. -bedded at 20°/CA between 665.24-670.40m, subparallel to the core axis between 670.40-673.00m and at 15-20°/CA between 673.00-679.50m. -sharp lower contact at 15°/CA.			-trace to 1% pyrite present along bedding planes.	
679.50 TO 689.75	QUARTZ FELDSPAR PORPHYRY «9d(Se)»	-light yellow-grey. -coarse grained. -massive unit containing 80-85% phenocrysts. -phenocrysts are 2-3mm in size and are comprised of 90% feldspar and 10% quartz. -unit has a sharp lower contact at 20°/CA.		-weak to moderate sericitization.	-trace pyrite.	
689.75 TO 709.33	MAFIC TUFF «2t(Ch,Cb)»	-fine to medium grained. -medium grey-green. -similar to units between 635.22-664.87m and 665.24-679.50m. -bedding at 15°/CA between 689.75-691.00m, subparallel to 5°/CA between 691.00-695.50m, 10-15°/CA between 695.50-703.00m, subparallel between 703.00-706.00m and it increases to 30°/CA between 706.00-709.33m. -696.00-709.33m, unit contains carbonate filled tension gashes at 80-90°/CA. -irregular lower contact.		-weak to moderate carbonatization and chloritization.	-trace pyrite.	
709.33 TO 710.08	FELSIC DYKE «9Si(Se)»	-medium grained. -medium grey-green. -massive unit. -irregular contacts. -hard. -10-15% feldspar phenocrysts. -phenocrysts have hazy edges.		-strong silicification. -strong sericitization.		
710.08 TO 710.98	MAFIC VOLCANIC «2m(Ch)»	-medium grey-green. -fine grained. -massive unit, strongly fractured, fractures are filled with quartz and chlorite.		-weak chloritization.		

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		-irregular lower contact. -minor tourmaline in the quartz.				
710.98 TO 711.34	FELSIC DYKE «9DSi(Se)»	-similar to dyke between 709.33-710.08m. -irregular lower contact.				
711.34 TO 712.92	MAFIC VOLCANICS «2m(Ch)»	-light to medium grey-green. -massive unit. -moderate foliation subparallel to core axis. -712.60m, possible fold hinge, faintly visible in the foliation. -sharp lower contact at 40°/CA.		-moderate chloritization. -711.70-712.27m, strong bleaching. -quartz flooding present in interval.		
712.92 TO 714.95	FELSIC DYKE «9D(Se,Si)»	-fine to medium grained. -light grey. -massive unit. -hard. -5% phenocrysts present (they are up to 2mm in diameter and hard to see). -sharp irregular lower contact.		-moderate sericitization and silicification.		
714.95 TO 727.74	MAFIC VOLCANIC «2m,Ch»	-medium to dark grey-green. -fine grained. -massive unit, moderate foliation. -foliation at start of unit is at 10-20°/CA, middle of unit subparallel to core axis and at end of unit it is at 20°/CA. -unit is soft and very slightly magnetic. -sharp lower contact at 40°/CA.		-moderate to strong chloritization.	-trace pyrite.	
727.74 TO 730.08	FELDSPAR PORPHYRY DYKE «9D(Se)»	-spotted grey-white. -medium to coarse grained. -massive unit with 60% feldspar phenocrysts. -phenocrysts are 1-2mm in size. -unit contains 1-3% biotite. -sharp lower contact at 40°/CA.		-weak sericitization		
730.08 TO 732.40	MAFIC VOLCANIC «2m(Ch)»	-fine grained. -medium green. -massive unit, similar to unit between				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		714.95-727.74m. -foliation at 20°/CA. -sharp irregular lower contact.				
732.40 TO 735.21	FELSIC DYKE «9DSi(Se)»	-medium grained. -medium grey-green. -similar to units betwen 709.33-710.08m and 712.92-714.95m. -sharp lower contact at 25°/CA.				
735.21 TO 744.58	MAFIC TUFF «2tCh(Si)»	-dark green. -fine grained. -bedded unit, bedding at 30°/CA. -moderate hardness. -moderate to strong magnetism. -unit contains 15-20% garnets (3-4mm in size). -sharp lower contact at 50°/CA.		-strongly chloritized. -weak to moderate silicification.	-trace pyrite.	
744.58 TO 749.72	FELDPAR PORPHYRY DYKE «9D(Si,Se)»	-similar to units between 709.33-710.08m and 712.92-714.95m. -lower contact at 30°/CA.				
749.72 TO 769.00	MAFIC TUFF «2t,Ch»	-fine grained. -dark green. -similar to unit between 735.21-744.58m. -bedding at 30°/CA. -sharp lower contact at 30°/CA.		-moderate to strong chloritization.		
769.00 TO 774.08	FELSIC DYKE «9D(Si,Se)»	-fine grained. -dark grey. -massive unit with <1% phenocrysts (feldspar and quartz). -unit contains 5-10% biotite and other mafic minerals. -unit is moderately foliated at 30°/CA. -sharp lower contact at 30°/CA. -unit is soft.		-weak to moderate sericitization and chloritization.	-trace pyrite.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
774.08 TO 775.00	MAFIC TUFF «2t,Ch»	-similar to units between 735.21-744.58m and 749.72-769.00m. -bedding at 25°/CA. -sharp lower contact at 25°/CA.				
775.00 TO 776.40	FELSIC DYKE «9D(Se,Ch)»	-similar to unit between 769.00-774.08m except unit contains 3-5% feldspar phenocrysts (1-2mm in size). -sharp lower contact at 30°/CA.				
776.40 TO 803.20	MAFIC TUFF «2t,Ch»	-fine grained. -dark green. -similar to units between 735.72-744.58m and 749.72-769.00m. -unit contains 10-15% garnets and is bedded at 25-30°/CA. -sharp lower contact at 55°/CA.		-moderate to strong alteration.	-trace pyrite and pyrrhotite. -sulphides are along bedding planes.	
803.20 TO 803.95	FELDSPAR PORPHYRY DYKE «9D»	-medium grey-brown. -coarse grained. -massive unit containing 80-85% feldspar phenocrysts (1-2mm in size). -sharp lower contact at 10°/CA. -unit contains 1-3% biotite.		-weak sericitization and chloritization.	-trace pyrite.	
803.95 TO 804.73	MAFIC TUFF «2t,Ch»	-similar to units between 735.72-744.58m and 749.72-769.00m. -bedding at 30°/CA. -irregular lower contact.				
804.73 TO 806.95	FELDSPAR PORPHYRY DYKE «9D»	-similar to unit between 803.20-803.95m except slightly coarser grained. -sharp lower contact at 25°/CA.				
806.95 TO 827.40	MAFIC TUFF «2t,Ch»	-similar to units between 735.72-744.58m and 749.72-769.00m. -bedding at 30°/CA. -sharp lower contact at 30°/CA. -822.30-822.39m, insitu brecciated zone parallel to bedding (30°/CA).				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
827.40 TO 828.60	FELSIC DYKE «9D»	-fine grained. -light to medium brown. -massive unit, moderate hardness, slightly magnetic. -sharp lower contact at 30°/CA. -similar to unit between 769.00-774.08m.		-weak to moderate sericitization and chloritization.		
828.60 TO 835.00	MAFIC TUFF «2t,Ch»	-similar to units between 735.72-744.58m and 749.72-769.00m. -bedding at 30°/CA. -832.84-832.95m, insitu brecciated zone at 40°/CA.		-moderate to strong chloritization.		
835.00 TO 835.00	E.O.H.					

Sample	From (M)	To (M)	Leng. (M)	Cu ppm	Zn ppm	Au ppb	Ag ppm	Pb ppm	Ni ppm
AN06024	515.85	517.35	1.50	25	110	24	0.5	17	20
AN06025	517.35	518.85	1.50	41	144	15	0.2	54	22
AN06026	518.85	520.35	1.50	30	49	0	0.0	7	24
AN06027	520.35	520.80	0.45	10	19	0	0.5	4	149
AN06028	520.80	522.30	1.50	39	57	0	0.2	9	24
AN06029	522.30	523.80	1.50	22	64	5	0.1	7	24
AN06030	523.80	525.30	1.50	20	115	0	0.1	74	20
AN06031	525.30	526.80	1.50	12	37	0	0.0	0	16
AN06032	526.80	528.30	1.50	27	43	0	0.0	0	23
AN06033	528.30	529.80	1.50	23	54	0	0.0	0	22
AN06034	529.80	531.58	1.78	33	43	5	0.0	0	18
AN06035	550.50	552.00	1.50	17	61	8	0.0	0	25
AN06036	552.00	552.65	0.65	28	187	20	0.0	2	38
AN06037	552.65	553.05	0.40	19	156	35	0.1	2	21
AN06038	553.05	553.53	0.48	25	347	82	0.0	7	43
AN06039	553.53	554.75	1.22	41	381	35	0.1	6	48
AN06040	554.75	555.75	1.00	39	707	48	0.1	7	45
AN06042	555.75	556.82	1.07	39	429	65	0.1	3	60
AN06043	556.82	557.82	1.00	21	376	0	0.0	6	26
AN06044	557.82	558.93	1.11	17	308	26	0.1	6	32
AN06045	558.93	559.85	0.92	40	227	20	0.2	6	63
AN06046	559.85	561.35	1.50	27	171	39	0.3	2	28
AN06047	561.35	562.95	1.60	39	343	36	0.4	1	52
AN06048	562.95	564.25	1.30	25	108	0	0.1	5	33
AN06049	564.25	565.15	0.90	40	148	90	0.4	1	43
AN06050	565.15	565.60	0.45	28	1450	80	0.4	9	29
AN06051	565.60	567.10	1.50	31	530	37	0.2	2	35
AN06052	567.10	568.60	1.50	43	742	44	0.4	5	46
AN06053	568.60	570.10	1.50	40	629	29	0.4	0	36
AN06054	570.10	571.60	1.50	37	500	29	0.3	0	33
AN06055	571.60	573.10	1.50	43	466	51	0.6	0	45
AN06056	573.10	574.60	1.50	53	368	65	0.6	3	59
AN06057	574.60	575.60	1.00	41	320	47	0.5	1	51
AN06058	575.60	576.30	0.70	44	196	32	0.4	1	54
AN06059	576.30	577.28	0.98	33	214	9	0.1	2	41
AN06060	577.28	578.78	1.50	31	266	49	0.1	2	31
AN06062	578.78	580.28	1.50	72	182	51	0.1	2	43
AN06063	580.28	581.78	1.50	49	234	54	0.2	4	44
AN06064	581.78	583.28	1.50	50	305	26	0.1	31	59
AN06065	583.28	584.72	1.44	44	137	53	0.4	4	44
AN06066	584.72	585.35	0.63	40	167	0	0.3	7	45
AN06067	585.35	586.57	1.22	41	126	43	0.4	3	31
AN06068	587.28	588.78	1.50	51	216	36	0.3	0	57
AN06069	588.78	590.28	1.50	40	199	46	0.2	4	28
AN06070	590.28	591.38	1.10	21	292	13	0.1	0	27
AN06071	591.38	592.95	1.57	22	213	38	0.1	1	51
AN06072	592.95	593.57	0.62	6	80	0	0.0	2	34

Sample	From (M)	To (M)	Leng. (M)	Cu ppm	Zn ppm	Au ppb	Ag ppm	Pb ppm	Ni ppm
AN06073	593.57	594.35	0.78	25	110	0	0.1	0	31
AN06074	594.35	595.85	1.50	45	77	15	0.3	0	44
AN06075	595.85	597.35	1.50	12	82	0	0.1	0	22
AN06076	597.35	598.85	1.50	8	33	0	0.1	0	16
AN06077	598.85	600.54	1.69	18	63	16	0.1	1	22
AN06078	602.56	604.00	1.44	28	201	14	0.0	2	42
AN06079	604.00	605.15	1.15	12	72	0	0.0	2	22
AN06080	605.15	605.85	0.70	44	153	70	0.4	7	45
AN06082	605.85	607.35	1.50	173	72	38	0.1	0	26
AN06083	607.35	608.81	1.46	37	58	12	0.0	0	20
AN06084	608.81	609.96	1.15	85	84	0	0.1	0	75
AN06085	609.96	610.96	1.00	66	103	20	0.2	0	64
AN06086	610.96	611.90	0.94	28	449	29	0.0	0	23
AN06087	611.90	612.40	0.50	106	236	30	0.3	0	64
AN06088	612.40	613.70	1.30	36	529	8	0.0	0	33
AN06089	613.70	614.00	0.30	88	333	0	0.1	0	48
AN06090	614.00	615.55	1.55	56	1450	5	0.0	0	30
AN06091	615.55	617.05	1.50	93	168	10	0.0	0	75
AN06092	620.92	621.88	0.96	72	66	52	0.0	0	43
AN06093	621.88	622.18	0.30	199	187	10	0.2	2	35
AN06094	622.18	623.45	1.27	540	1640	50	0.6	3	116
AN06095	623.45	624.30	0.85	98	155	0	0.0	0	60
AN06096	624.30	624.85	0.55	357	280	7	0.1	0	218
AN06097	624.85	626.35	1.50	90	86	65	0.0	0	64
AN03055	649.50	651.00	1.50	65	40	8	0.2	0	71
AN03056	651.00	652.50	1.50	369	29	24	1.3	0	456
AN03057	652.50	654.00	1.50	137	32	12	0.6	0	111
AN03058	654.00	654.70	0.70	142	70	0	0.5	0	88
AN03059	654.70	655.40	0.70	430	25	8	1.2	0	129
AN03060	655.40	656.90	1.50	107	50	21	0.6	0	48
AN03062	656.90	658.40	1.50	76	37	20	0.8	0	32

Sample	From (M)	To (M)	Leng. (M)	SIO2 %	AL2O3 %	CAO %	MGO %	NA2O %	K2O %	FE2O3 %	TIO2 %	P2O5 %	MNO %	CR2O3 %	LOI %	SUM %	Y PPM	ZR PPM	BA PPM	RB PPM	SR PPM	CO2 %	CU PPM	ZN PPM	NI PPM	CR PPM	FIELD NAME	CHEM ID	ALUM
AN03249	13.00	16.00	3.00	68.93	15.96	2.02	0.98	7.36	0.72	2.12	0.25	0.12	0.05	0.14	0.80	99.44	6	90	240				20	30	20			4PR	158
AN03250	157.00	160.00	3.00	44.97	15.22	11.92	8.40	0.77	0.24	13.03	0.62	0.08	0.35	0.08	2.71	98.40	12	70	50				25	65	150			2u	118
AN03251	220.00	223.00	3.00	66.66	13.93	3.31	2.35	0.58	1.24	8.26	0.29	0.10	0.44	0.05	1.92	99.13	12	180	100				10	95	20			2w*	272
AN03252	238.00	241.00	3.00	70.41	14.46	3.30	1.59	0.50	1.60	6.56	0.33	0.10	0.34	0.06	1.65	100.91	12	198	150				<5	60	20			4PR	268
AN03253	250.00	253.00	3.00	61.90	12.91	6.85	4.49	2.06	0.70	7.50	0.42	0.34	0.32	0.05	1.66	99.22	16	176	230				10	50	70			2y	134
AN03254	259.00	262.00	3.00	71.64	16.04	2.00	0.97	1.68	2.66	1.36	0.37	0.14	0.04	0.05	1.72	98.65	6	306	390				5	25	<10			4PR	253
AN03255	289.00	292.00	3.00	73.43	14.14	4.93	0.72	2.29	1.12	2.62	0.28	0.10	0.10	0.09	0.95	100.77	8	148	220				15	55	10			4PR	170
AN03256	313.00	316.00	3.00	74.73	13.72	3.72	0.52	3.37	0.74	2.45	0.27	0.10	0.10	0.04	0.92	100.67	8	130	200				25	90	<10			4PR	175
AN03257	340.00	343.00	3.00	73.21	14.13	2.85	0.43	3.56	1.92	1.68	0.29	0.10	0.05	0.10	1.44	99.75	8	130	410				55	35	20			4PR	170
AN03258	346.00	349.00	3.00	48.10	12.45	6.64	8.09	3.07	4.22	9.19	0.84	0.50	0.14	0.06	4.48	97.78	16	88	1010				140	55	140			2u	89
AN03259	358.00	361.00	3.00	73.83	15.09	4.52	0.65	1.16	1.92	1.36	0.33	0.12	0.03	0.05	1.16	100.21	8	160	510				20	50	20			4PR	199
AN03260	371.00	374.00	3.00	50.95	12.93	6.33	4.32	0.20	0.08	20.30	0.25	0.10	1.21	0.04	1.53	98.23	8	118	30				<5	50	20			2v	196
AN03261	406.00	409.00	3.00	75.11	15.29	3.83	0.83	1.89	1.30	0.95	0.32	0.10	0.06	0.03	1.21	100.91	6	164	270				30	55	10			4PR	218
AN03262	418.00	421.00	3.00	57.66	14.82	3.94	3.18	0.20	0.12	17.45	0.29	0.12	1.05	0.04	1.63	100.48	10	150	50				<5	40	<10			2v*	348
AN03263	432.00	439.00	7.00	74.55	15.65	2.65	1.36	0.33	0.32	1.32	0.32	0.10	0.04	0.03	2.26	98.94	4	124	160				<5	20	<10			4PR*	474
AN03264	445.00	448.00	3.00	68.81	11.92	3.55	2.95	0.28	0.24	9.65	0.24	0.08	0.46	0.05	1.97	100.20	8	114	60				45	50	<10			4PR*	293
AN03265	451.00	454.00	3.00	75.50	15.47	2.48	1.10	0.35	0.98	1.43	0.31	0.10	0.04	0.05	1.77	99.57	6	132	290				5	15	<10			4PR*	406
AN03266	487.00	490.00	3.00	76.84	15.00	2.92	0.43	0.45	1.60	0.51	0.26	0.10	0.01	0.05	1.72	99.89	6	134	250				25	35	<10			4PR*	302
AN03267	505.00	508.00	3.00	61.00	12.27	2.31	2.70	0.27	0.52	16.22	0.22	0.08	0.87	0.04	1.65	98.14	6	138	70				5	30	<10			2v*	396
AN03268	541.00	544.00	3.00	61.45	13.49	0.44	3.27	0.04	0.16	19.28	0.22	0.14	0.98	0.06	1.34	100.87	12	128	20				5	20	40			2v*	2108
AN03269	595.00	598.00	3.00	62.45	0.36	1.24	4.23	<0.01	<0.02	27.47	0.02	<0.02	1.33	0.04	0.74	97.91	4	20	<10				<5	100	20			1	28
AN03270	611.00	614.00	3.00	62.75	15.90	2.92	2.60	0.93	0.88	8.20	1.12	0.18	0.14	0.04	2.11	97.78	28	104	560				95	60	50			2x*	336
AN03271	616.00	619.00	3.00	79.15	0.34	0.35	2.71	0.02	<0.02	15.29	0.03	<0.02	0.65	0.04	0.18	98.77	6	14	20				<5	180	<10			4PR	87
AN03272	628.00	631.00	3.00	50.04	14.88	8.29	10.91	0.36	0.38	10.06	0.45	0.06	0.20	0.09	2.03	97.74	12	36	50				20	45	180			2u	165
AN03275	661.00	664.00	3.00	55.05	16.90	10.71	4.02	0.06	1.04	9.56	0.59	0.06	0.22	0.05	2.16	100.45	14	36	120				90	35	70			2w	143
AN03276	673.00	676.00	3.00	50.73	16.93	6.99	3.69	0.65	0.92	11.19	0.57	0.08	0.25	0.05	5.71	97.76	12	32	70				50	50	60			2w	198
AN03277	697.00	700.00	3.00	51.77	16.88	6.57	3.43	0.58	2.58	9.19	0.59	0.10	0.20	0.05	5.93	97.85	8	36	210				65	60	40			2w	173
AN03273	721.00	724.00	3.00	47.13	14.45	9.28	5.74	0.34	1.76	8.81	0.60	0.08	0.17	0.05	11.52	99.90	16	40	310				45	45	70			2u!	127
AN03274	739.00	742.00	3.00	53.41	15.67	2.74	3.34	0.44	0.52	18.82	1.52	0.18	0.46	0.03	0.97	98.09	54	106	210				150	110	50			2v*	424
AN03278	754.00	757.00	3.00	61.67	16.69	4.66	1.74	0.64	0.84	10.02	1.59	0.16	0.21	0.05	0.99	99.29	44	106	420				155	75	70			2x*	272
AN03279	784.00	787.00	3.00	50.76	16.90	5.52	3.09	0.60	0.76	14.79	1.52	0.16	0.44	0.03	3.41	97.95	40	102	280				115	90	60			2w	246
AN03280	820.00	823.00	3.00	53.33	14.36	6.69	4.26	0.63	0.56	11.48	1.15	0.24	0.29	0.04	4.81	97.86	26	102	450				125	95	60			2w	182

Sample	From (M)	To (M)	Leng. (M)	AG PPM	AU PPB	CO PPM	PB PPM	S PPM	V PPM	AS PPM	SN PPM	CD PPM	SB PPM	BI PPM	SE PPM	HF PPM	TA PPM	W PPM	MO PPM	TH PPM	U PPM	B PPM	CS PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	GD PPM
AN03249	13.00	16.00	3.00			20		500																					
AN03250	157.00	160.00	3.00			40		500																					
AN03251	220.00	223.00	3.00			10		300																					
AN03252	238.00	241.00	3.00			5		200																					
AN03253	250.00	253.00	3.00			15		1700																					
AN03254	259.00	262.00	3.00			<5		5000																					
AN03255	289.00	292.00	3.00			15		200																					
AN03256	313.00	316.00	3.00			<5		300																					
AN03257	340.00	343.00	3.00			10		300																					
AN03258	346.00	349.00	3.00			40		400																					
AN03259	358.00	361.00	3.00			15		300																					
AN03260	371.00	374.00	3.00			15		400																					
AN03261	406.00	409.00	3.00			15		300																					
AN03262	418.00	421.00	3.00			10		500																					
AN03263	432.00	439.00	7.00			<5		200																					
AN03264	445.00	448.00	3.00			10		2500																					
AN03265	451.00	454.00	3.00			<5		200																					
AN03266	487.00	490.00	3.00			10		500																					
AN03267	505.00	508.00	3.00			10		3400																					
AN03268	541.00	544.00	3.00			15		3800																					
AN03269	595.00	598.00	3.00			10		23000																					
AN03270	611.00	614.00	3.00			30		1900																					
AN03271	616.00	619.00	3.00			10		11000																					
AN03272	628.00	631.00	3.00			50		300																					
AN03275	661.00	664.00	3.00			45		1500																					
AN03276	673.00	676.00	3.00			25		1900																					
AN03277	697.00	700.00	3.00			35		7600																					
AN03273	721.00	724.00	3.00			30		500																					
AN03274	739.00	742.00	3.00			40		1800																					
AN03278	754.00	757.00	3.00			45		1100																					
AN03279	784.00	787.00	3.00			40		800																					
AN03280	820.00	823.00	3.00			35		800																					

Sample	From (M)	To (M)	Leng. (M)	DY PPM	ER PPM	LU PPM	OS PPB	IR PPB	RU PPB	RH PPB	PT PPB	PD PPB	LI PPM	BE PPM	MN PPM	GA PPM	GE PPM	IN PPM	TL PPM	SC PPM	BR PPM	YB PPM	NB PPM
AN03249	13.00	16.00	3.00																				
AN03250	157.00	160.00	3.00																				
AN03251	220.00	223.00	3.00																				
AN03252	238.00	241.00	3.00																				
AN03253	250.00	253.00	3.00																				
AN03254	259.00	262.00	3.00																				
AN03255	289.00	292.00	3.00																				
AN03256	313.00	316.00	3.00																				
AN03257	340.00	343.00	3.00																				
AN03258	346.00	349.00	3.00																				
AN03259	358.00	361.00	3.00																				
AN03260	371.00	374.00	3.00																				
AN03261	406.00	409.00	3.00																				
AN03262	418.00	421.00	3.00																				
AN03263	432.00	439.00	7.00																				
AN03264	445.00	448.00	3.00																				
AN03265	451.00	454.00	3.00																				
AN03266	487.00	490.00	3.00																				
AN03267	505.00	508.00	3.00																				
AN03268	541.00	544.00	3.00																				
AN03269	595.00	598.00	3.00																				
AN03270	611.00	614.00	3.00																				
AN03271	616.00	619.00	3.00																				
AN03272	628.00	631.00	3.00																				
AN03275	661.00	664.00	3.00																				
AN03276	673.00	676.00	3.00																				
AN03277	697.00	700.00	3.00																				
AN03273	721.00	724.00	3.00																				
AN03274	739.00	742.00	3.00																				
AN03278	754.00	757.00	3.00																				
AN03279	784.00	787.00	3.00																				
AN03280	820.00	823.00	3.00																				

HOLE NUMBER: GA61-07

FALCONBRIDGE LIMITED
DRILL HOLE RECORD

DATE: 01/28/1993
IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: 8668
PROJECT NUMBER: 008668
CLAIM NUMBER: P583878
LOCATION: NW GENOA TWP

PLOTTING COORDS GRID: UTM
NORTH: 5298653.60N
EAST: 409921.00E
ELEV: 410.85

ALTERNATE COORDS GRID: LINE
NORTH: 52+10N
EAST: 168+45E
ELEV: 410.85

COLLAR DIP: -53° 0' 0"
LENGTH OF THE HOLE: 593.00M
START DEPTH: 0.00M
FINAL DEPTH: 593.00M

COLLAR ASTRONOMIC AZIMUTH: 167°49' 0"

GRID ASTRONOMIC AZIMUTH: 345° 0' 0"

DATE STARTED: 11/20/1992
DATE COMPLETED: 12/02/1992
DATE LOGGED: 12/02/1992

COLLAR SURVEY: YES
RQD LOG: NO
HOLE MAKES WATER: YES

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

CONTRACTOR: NOREX DRILLING
CASING: 3m BW
CORE STORAGE: MINESITE
UTM COORD.: YES

COMMENTS : To test down dip extent of mineralized zone from the North.
WEDGES AT:

DIRECTIONAL DATA:

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
10.00	° ' "	-50°30' 0"	A	OK	
60.00	° ' "	-50° 0' 0"	A	OK	
120.00	167° 0' 0"	-48° 0' 0"	S	OK	
180.00	167° 0' 0"	-49° 0' 0"	S	OK	
242.00	168° 0' 0"	-50° 0' 0"	S	OK	
300.00	° ' "	-49° 0' 0"	A	OK	
360.00	166° 0' 0"	-48°30' 0"	S	OK	
426.00	175° 0' 0"	-46° 0' 0"	S	OK	
480.00	181° 0' 0"	-45°30' 0"	S	OK	
540.00	° ' "	-49° 0' 0"	A	OK	
593.00	190° 0' 0"	-47° 0' 0"	S	OK	

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
-	-	-	-	-	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 5.00	OVERBURDEN «|ob|»					
5.00 TO 10.43	FELDSPAR PORPHYRY DYKE «9D»	-grey-white. -medium to coarser grained. -massive unit. -unit contains 60% feldspar phenocrysts (1-2mm in size). -unit is slightly fractured at 45-55°/CA. -sharp lower contact (due to highly broken nature of the core unable to measure contact). -unit highly broken and weakly weathered.		-weakly sericitic.	-trace pyrite.	
10.43 TO 13.75	SEDIMENTS «5Eg(Ch)»	-medium grey to black. -fine grained. -bedded unit, bedding at top of unit is at 45-50°/CA and becomes 35°/CA towards the lower contact. -unit contains 5% greywacke beds, 70% cherty beds and 25% graphitic argillite beds. -greywacke beds are slightly magnetic. -unit has a sharp lower contact at 35°/CA. -tops appear to be to the north. -between 11.00-12.30m, the core is highly broken and contains 2 areas of healed insitu brecciated fault zones at 11.85m and 12.15m. -these appear to be parallel to bedding (40°/CA). -missing core between 11.15-11.80m. -fractures are parallel to bedding and also irregularly oriented.		-weak to moderate chloritization in the greywacke beds.	-unit contains 2-3% sphalerite, trace to 0.5% galena and trace pyrite. -sulphides are parallel to bedding and fracture controlled. -from 10.56-10.68m, 3-4% sphalerite, trace galena. -sulphides are disseminated and fracture controlled. -11.85-12.30m, 1-2% sphalerite, trace galena. -sulphides are fracture controlled. -12.30-13.75m, 2-3% sphalerite, 0.5% galena. -sulphides are fracture controlled.	-sulphides appear to be remobilized.
13.75 TO 18.40	FELDSPAR PORPHYRY «9D»	-similar to unit between 5.00-10.43m. -sharp lower contact at 35°/CA. -16.00-16.18m, cherty sediment inclusion, trace sphalerite present.				
18.40 TO 29.00	SEDIMENTS «5Eg(Ch)»	-light grey to black. -similar to unit between 10.43-13.75m. -bedding between 10-20°/CA, average of 15°/CA. -core is highly broken and rubbly. -remnant micro fault fractures present		-greywacke beds are moderately chloritized.	-19.25-20.60m, 3-5% sphalerite, trace galena. -sulphides are fracture controlled and disseminated.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		throughout. -these fractures appear to crosscut bedding at 70-80°/CA. -some are irregular and contain breccia. -sharp lower contact at 50°/CA. -unit contains 5-10% greywacke beds, 65-70% cherty beds and 20-25% argillite beds. -26.85-27.55m, missing core. -27.55-28.00m, feldspar porphyry dyke, similar to the units between 5.00-10.43m and 13.75-18.40m. -between 24.70-27.55m, the core is highly broken.			-20.00-23.00m, trace sphalerite (fracture controlled). -28.00-29.00m, 1-2% sphalerite, trace galena. -sulphides are fracture controlled and parallel to bedding.	
29.00 TO 31.56	FELDSPAR PORPHYRY DYKE «9D»	-similar to units between 5.00-10.43m and 13.75-18.40m. -sharp lower contact at 20°/CA.				
31.56 TO 42.22	SEDIMENTS «5Eg(Ch)»	-fine grained. -light grey to black. -unit contains 60-70% cherty beds, 25-30% argillite beds and 1-2% greywacke beds. -bedding is 5°/CA to subparallel to core axis. -36.25-36.50m, core is highly broken, possible fault. -38.00-38.40m, core is highly broken and beds are contorted (possible healed fault). -unit is moderately hard and very slightly magnetic. -38.55-38.90m, bull white quartz vein, upper contact at 35°/CA, lower contact at 30°/CA, vein contains 10% pyrite. -sharp lower contact at 65°/CA.		-moderate silicification and chloritization (in greywacke beds).	-unit contains 5% sphalerite, 1% pyrite, 0.5% galena and trace chalcopyrite. -31.56-35.00m, 2-3% pyrite (disseminated along bedding planes). -35.00-36.25m, 3-5% sphalerite, 1% pyrite (disseminated along bedding planes and in fractures). -36.50-38.00m, 10-15% sphalerite, trace galena and pyrite, (sulphides are fracture controlled and along bedding planes). -38.00-38.55m, 5% sphalerite, trace galena (sulphides are present in the matrix and around the wallrock fragments). -38.90-41.00m, 3-4% sphalerite, 1% galena, trace pyrite, chalcopyrite (sulphides are present along fractures and bedding planes). -41.00-42.22m, 3-4% sphalerite, 1-2% galena (sulphides are fracture controlled).	-sulphides appear to be remobilized.

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
42.22 TO 43.18	FELDSPAR PORPHYRY DYKE «9D»	-similar to units between 5.00-10.43m, 13.75-18.40m and 29.00-31.56m. -sharp irregular lower contact.			-42.22-42.32m, trace galena and sphalerite (both are fracture controlled).	
43.18 TO 46.45	OXIDE FACIES IRON FORMATION «5r(Se)»	-light grey to light yellow-green. -bedded/banded unit. -bedding between 40-55°/CA, average of 50°/CA. -sharp lower contact at 50°/CA. -unit contains 10-15% chert beds. -the other beds are moderately hard and strongly magnetic. -unit starts with a 20-25cm wide greywacke bed.		-moderate sericitization in non chert beds.	-trace to 1% sphalerite, 10-15% magnetite. -43.18-43.45m, trace sphalerite. -43.45-44.00m, 1-2% fracture controlled sphalerite. -44.00-46.45m, trace sphalerite.	
46.45 TO 76.77	MAFIC TUFF «2t,Ch»	-dark grey-green. -fine grained. -bedded unit, bedding at 40°/CA. -unit is moderately hard and slightly magnetic. -sharp lower contact at 50°/CA. -unit contains 3-5% garnets (1-2mm in size) and trace to 1% biotite (patches). -rare carbonate filled fractures parallel to bedding.		-moderate to strong chloritization.	-trace pyrite.	
76.77 TO 78.18	QUARTZ FELDSPAR PORPHYRY «9d»	-medium grey. -medium to coarse grained. -massive unit, contains 75% phenocrysts (98% feldspar and 2% quartz). -average size 1-2mm. -quartz eyes are along the contacts. -sharp lower contact at 40°/CA.		-weak to moderate sericitization.	-trace pyrite.	
78.18 TO 79.98	MAFIC TO INTER-MEDIATE TUFF «2/3t(Si)»	-fine grained. -medium grey-green. -bedded unit, bedding at 40-45°/CA. -sharp lower contact at 35°/CA. -moderately hard and weakly magnetic. -unit appears to be "cooked" by the porphyry dykes.		-unit is moderately silicified and weakly sericitized.	-trace to 1% pyrrhotite and pyrite. -fracture controlled and along bedding planes.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
79.98 TO 80.75	FELSIC PORPHYRY DYKE «9d»	-similar to unit between 76.77-78.18m. -irregular lower contact.				
80.75 TO 94.80	MAFIC TUFF «2t,Ch»	-similar to unit between 46.45-76.77m, bedding at 40°/CA. -sharp lower contact at 40°/CA.				
94.80 TO 96.08	FELDSPAR PORPHYRY DYKE «9D»	-medium grey. -medium to coarse grained. -massive unit, sharp lower contact at 50°/CA. -unit contains 75-80% feldspar phenocrysts. -phenocrysts are up to 3mm in size. -trace to 0.5% mafic grains.		-weak to moderate sericitization.	-trace pyrite.	
96.08 TO 99.00	MAFIC TUFF AND OXIDE FACIES IRON FORMATION «2t(Sr?)»	-medium grey-green. -fine grained. -bedded unit, bedding between 40-60°/CA, average of 40°/CA. -sharp lower contact at 45°/CA. -unit is hard and moderately to strongly magnetic. -unit contains 10% chert beds. -first 30cm and last 50cm of unit are mostly mafic in composition and contain 3-5% garnets.		-weak to moderate sericitization. -weak to moderate chloritization (in mafic beds).	-trace pyrrhotite, 10-20% magnetite.	
99.00 TO 104.96	FELDSPAR PORPHYRY DYKE «9D»	-light to medium grey-green. -medium grained. -similar to unit between 94.80-96.08m, -irregular lower contact.				
104.96 TO 106.00	MAFIC TUFF «2t,Ch»	-similar to unit between 46.45-76.77m. -bedding at 40°/CA. -sharp lower contact at 55°/CA.				
106.00 TO 106.56	FELDSPAR PORPHYRY DYKE «9D»	-similar to unit between 94.80-96.08m. -sharp lower contact at 40°/CA.				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
106.56 TO 106.91	MAFIC TUFF «2t,Ch»	-similar to unit between 94.80-96.08m. -sharp lower contact at 40°/CA.				
106.91 TO 107.55	OXIDE FACIES IRON FORMATION «5r»	-medium grey-brown-green. -fine grained. -bedded unit, bedding at 40°/CA. -unit is moderately to strongly magnetic and moderately hard. -unit contains 10% chert beds. -sharp lower contact at 40°/CA.		-weak chloritization.	-trace pyrite. -3-5% pyrrhotite. -5-10% magnetite. -trace chalcopyrite and sphalerite. -sulphides are present in fractures and along bedding planes.	
107.55 TO 110.61	FELDSPAR PORPHYRY DYKE «9D»	-similar to units between 5.00-10.43m, 13.75-18.40m, 29.00-31.56m and 42.22-43.18m. -sharp lower contact at 45°/CA.				
110.61 TO 118.95	MAFIC TUFF «2tCh(Si)»	-medium to dark green. -fine grained. -similar to unit between 46.45-76.77m. -unit becomes finer grained downhole and contains less garnets (<1%). -sharp lower contact at 60°/CA.		-moderate silicification in the last 2-3m.		
118.95 TO 121.50	DIABASE «10»	-fine grained. -medium grey-green. -massive unit, contains trace epidote phenocrysts. -unit is hard and very slightly magnetic. -sharp lower contact at 15°/CA.				
121.50 TO 122.90	FELDSPAR PORPHYRY DYKE «9D»	-medium pink-grey. -coarse grained. -massive unit. -unit contains 75-80% feldspar phenocrysts (1-3mm in size). -irregular lower contact.		-moderate potassic alteration.		

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
122.90 TO 148.65	DIABASE «1O»	-medium green. -medium to coarse grained. -massive, similar to unit between 118.95-121.50m. -non-magnetic to slightly magnetic. -unit becomes finer grained towards bottom of unit. -sharp lower contact at 30°/CA.				
148.65 TO 151.73	MAFIC TUFF «2t(Ch)»	-dark green. -fine grained. -similar to unit between 46.45-76.77m. -bedding at 40-45°/CA. -unit is slightly magnetic, soft and strongly broken. -unit contains 5-8% garnets. -first 50-75cm of unit is insitu brecciated (due to diabase?). -fault gouge at 151.60m at 20°/CA. -broken irregular lower contact.		-moderate chloritization.	-trace pyrite.	
151.73 TO 153.15	MAFIC VOLCANIC «2m(Ch)»	-fine grained. -dark green. -massive unit. -contains carbonate filled tension gashes. -unit is soft and slightly magnetic. -sharp lower contact at 85°/CA.		-moderate chloritization. -weak silicification.	-trace pyrite.	
153.15 TO 154.00	FELDSPAR PORPHYRY DYKE «9D»	-medium grey. -fine to medium grained. -massive unit, contains 10% feldspar phenocrysts (1-3mm in size). -sharp irregular lower contact.				
154.00 TO 157.98	MAFIC VOLCANIC «2m(Ch)»	-dark green. -fine grained. -massive unit with possible hazy pillow selvages. -unit is slightly magnetic and moderately hard. -sharp lower contact at 50°/CA. -156.50m, fault gouge at 20°/CA.		-moderate chloritization.	-trace pyrite.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
157.98 TO 158.60	FELDSPAR PORPHYRY DYKE «9D»	-similar to unit between 153.15-154.00m. -sharp lower contact at 50°/CA.				
158.60 TO 160.80	MAFIC VOLCANIC «2m(Ch)»	-similar to units between 151.73-153.15m and 154.00-157.98m. -sharp lower contact at 50°/CA. -moderate foliation at 40°/CA.				
160.80 TO 161.93	FELDSPAR PORPHYRY DYKE «9D»	-similar to unit between 153.15-154.00m. -sharp lower contact at 50°/CA.				
161.93 TO 172.15	MAFIC VOLCANIC «2m(Ch,Si)»	-dark green. -fine to medium grained. -massive unit, similar to units between 151.73-153.15m, 154.00-157.98m and 158.60-160.80m. -sharp lower contact at 40°/CA. -moderate foliation at 40-45°/CA.		-moderate chloritization. -weak to moderate silicification.		
172.15 TO 175.93	MAFIC TUFF «2t,Ch»	-similar to unit between 46.45-76.77m. -bedding at 40-45°/CA. -sharp irregular lower contact.				
175.93 TO 192.56	FELSIC INTRUSIVE «9d(Se)»	-medium to coarse grained. -light to medium grey. -massive unit, contains 80-85% feldspar phenocrysts and trace to 1% quartz eyes. -unit also contains 1-3% mafic grains. -sharp lower contact at 35°/CA.		-moderate sericitization.	-trace to 0.5% pyrite.	
192.56 TO 195.96	DIABASE «10»	-medium grey. -fine grained. -massive, similar to unit between 122.90-148.65m. -sharp irregular lower contact.				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
195.96 TO 196.50	FELSIC INTRUSIVE «9d(Se)»	-similar to unit between 175.93-192.56m. -irregular lower contact.				
196.50 TO 197.10	DIABASE «10»	-similar to unit between 122.90-148.65m. -sharp lower contact at 10°/CA.				
197.10 TO 203.65	FELSIC INTRUSIVE «9d(Se,K)»	-similar to unit between 175.93-192.56m. -sharp lower contact at 40°/CA.		-weak potassic alteration.		
203.65 TO 222.83	DIABASE «10»	-fine grained. -medium grey-green. -massive unit. -moderately magnetic and hard. -sharp lower contact at 40°/CA. -trace epidote phenocrysts (3-5mm in size).				
222.83 TO 224.28	FELSIC DYKE (GRANO-DIORITE) «8(K)»	-pink-grey. -medium grained. -massive unit. -hard, non-magnetic. -unit contains 5-10% mafic grains. -sharp lower contact at 55°/CA.		-weak potassic alteration.	-1-2% pyrite.	
224.28 TO 233.90	MAFIC TUFF «2t,Ch»	-medium to dark green. -fine grained. -bedded unit, bedding at 35-40°/CA. -unit is moderately hard and weakly to moderately magnetic (patchy). -unit contains 10-15% garnets (average size of 1-2mm). -sharp lower contact at 35°/CA.		-moderate chloritization (with bands of strongly chloritized material). -weak silicification.	-trace to 1% pyrite. -trace pyrrhotite. -sulphides are present along bedding planes.	
233.90 TO 234.85	FELSIC DYKE «9D(Se)»	-light pink-grey. -fine to medium grained. -massive unit with 1% feldspar phenocrysts (1-2mm in size). -sharp lower contact at 40°/CA. -unit is moderately hard.		-weak to moderate sericitization. -weak chloritization.	-1-2% pyrite.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
234.85 TO 239.65	MAFIC TUFF «2t,Ch»	-similar to unit between 224.28-233.90m. -bedding at 40°/CA. -sharp lower contact at 55°/CA.				
239.65 TO 240.07	FELDSPAR PORPHYRY DYKE «9D»	-purple-grey. -medium to coarse grained. -massive unit. -irregular lower contact. -unit contains 60-65% feldspar phenocrysts (1-2mm in size). -the matrix is very fine grained and dark in colour.		-weak sericitization.		
240.07 TO 240.64	MAFIC TUFF «2t,Ch»	-similar to unit between 224.28-233.90m. -bedded at 40°/CA. -sharp lower contact at 50°/CA.				
240.64 TO 241.55	FELSIC DYKE «9D»	-similar to unit between 239.65-240.07m, but becomes finer grained downhole (starts to look like the unit between 233.90-234.85m). -sharp lower contact at 40°/CA.				
241.55 TO 253.15	MAFIC TUFF «2t,Ch»	-similar to unit between 224.28-233.90m. -bedding at 35-40°/CA. -sharp lower contact at 60°/CA. -241.65m, 2mm wide fault gouge at 20°/CA. -242.10m, 2mm wide fault gouge at 20°/CA. -244.40-244.48m, fault zone (healed) and 1-2mm wide fault gouge. -both at 45°/CA.			-1-2% pyrite.	
253.15 TO 263.15	QUARTZ FELDSPAR PORPHYRY «9d»	-pink-grey-brown. -coarse grained (fine to medium along contacts). -massive unit, containing 85-90% phencrysts. -phenocrysts average 3-4mm in size and consist of 85% feldspar and 15% quartz. -sharp lower contact at 50°/CA.		-weak to moderate sericitization. -weak patchy chloritization (along fractures).	-trace pyrite.	
263.15 TO 266.00	MAFIC TUFF «2t,Ch»	-similar to units between 224.28-233.90m and 241.55-253.15m. -bedding at 40°/CA. -unit contains 3-4% garnets (1-3mm in size). -sharp lower contact at 50°/CA.		-moderate to strong chloritization.		

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
266.00 TO 266.88	QUARTZ FELDSPAR PORPHYRY DYKE «9d»	-similar to unit between 253.15-263.15m. -sharp lower contact at 50°/CA.				
266.88 TO 267.00	MAFIC TUFF «2t,Ch»	-similar to unit between 263.15-266.00m. -sharp lower contact at 50°/CA.				
267.00 TO 267.25	QUARTZ FELDSPAR PORPHYRY DYKE «9d»	-similar to unit between 253.15-263.15m. -sharp lower contact at 50°/CA.				
267.25 TO 282.03	MAFIC TUFF «2t,Ch»	-similar to units between 224.28-233.90m, 241.55-253.15m and 263.15-266.00m. -bedding at 35-40°/CA. -sharp lower contact at 40°/CA. -unit becomes more massive near the lower contact.		-moderate to strong chloritization.	-1-2% pyrite.	
282.03 TO 286.52	QUARTZ FELDSPAR PORPHYRY DYKE «9d»	-similar to unit between 253.15-263.15m. -sharp lower contact at 45°/CA.				
286.52 TO 323.92	MAFIC TUFF «2t,Ch»	-medium green. -fine grained.				
		-weakly bedded unit, bedding at 40-50°/CA, average 40°/CA. -unit is moderately hard and weakly magnetic. -unit contains 1% biotite (patchy). -299.92-302.92m, unit is well bedded and appears to be weakly bleached. -interval contains 3-5% biotite. -300.74-300.84m, quartz vein at 50°/CA. -vein contains 3-5% pyrite and 1% pyrrhotite along contacts. -302.21-302.33m, irregular quartz vein containing 1% pyrite. -321.50-323.92m, 10-15% biotite present.		-moderate chloritization. -weak patchy carbonatization. -unit becomes moderately bleached between 321.50-323.92m.	-1-2% finely disseminated pyrite. -trace pyrrhotite. -299.92-302.92m, 2-3% pyrite, 1-3% pyrrhotite. -sulphides are both disseminated and along bedding planes. -321.35-323.92m, 10-15% pyrite, trace to 1% pyrrhotite. -pyrite and pyrrhotite present along	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
					bedding planes.	
323.92 TO 325.86	FELDSPAR PORPHYRY DYKE «9D»	-medium grey-brown. -medium to coarse grained. -massive unit, contains 75% feldspar phenocrysts (1-3mm in size). -sharp lower contact at 40°/CA. -unit contains trace quartz eyes along contacts.		-weak sericitization and chloritization.	-trace pyrite.	
325.86 TO 336.80	MAFIC TUFF «2t,Ch»	-medium to dark green. -fine to medium grained. -similar to unit between 286.52-323.92m, bedding at 45-50°/CA. -sharp lower contact at 50°/CA. -332.95m, 2mm wide fault gouge at 50°/CA. -334.29-334.33m, fault zone with 1.5cm wide fault gouge at 50°/CA.		-moderate to strong chloritization. -first metre of unit is moderately bleached.	-1-2% pyrite throughout the unit. -326.55-326.80m, 5% fracture controlled pyrite. -335.00-335.80m, 50% pyrite, fracture controlled and disseminated.	
336.80 TO 369.15	FELSIC TUFF «4t,Se(Ch)»	-fine grained. -light yellow-grey to medium yellow-grey-green. -bedded unit, with bedding at 50-55°/CA. -unit is soft and non-magnetic. -unit contains rare small lapilli sized fragments. -fragments are subangular. -trace to 0.5% tourmaline. -sharp lower contact at 45°/CA. -359.50-364.65m, more mafic area, contains 10-15% garnets (1-2mm in size).		-moderate to strong sericitization (patches of very strong alteration). -weak to moderate chloritization. -chloritization is patchy. -359.50-364.65m, moderate chloritization.	-trace pyrite.	
369.15 TO 379.50	INTER-MEDIATE TO FELSIC TUFF «3/4tSeCh»	-medium grey-green with white bands. -fine to medium grained. -bedded unit, bedding at 40°/CA. -unit contains 25-30% felsic beds. -mafic beds contain 30-40% garnets. -gradational lower contact. -345.50-345.85m, QFP dyke, similar to previous dykes in this hole.		-felsic beds are strongly sericitized. -mafic beds are moderately chloritized.	-trace pyrite.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
379.50 TO 504.33	FELSIC TUFF «4tSe(Ch)»	-fine grained. -light yellow-grey-green. -similar to unit between 336.80-369.15m except less mafic material present in the unit. -bedding ranges between 30-50°/CA. -bedding at 40°/CA. -452.00-455.50m, area is more mafic in composition and contains 5% garnets. -sharp lower contact at 35°/CA. -unit contains 1% tourmaline.		-moderate to strong sericitization. -weak pervasive chloritization. -patchy moderate to strong silicification in last 10m of unit.	-trace pyrite.	
504.33 TO 513.96	QUARTZ FELDSPAR PORPHYRY DYKE «9d(Se)»	-medium grey-white. -medium grained. -massive unit, containing 15% phenocrysts and 5% mafic grains. -phenocrysts consist of 85-90% feldspar and 10-15% quartz. -phenocrysts are 1-3mm in size, average of 1mm. -unit is moderately hard and very slightly magnetic. -unit has an irregular lower contact.		-weak to moderate sericitization.	-1% pyrite.	
513.96 TO 516.95	MAFIC TO INTER-MEDIATE TUFF «2/3tSeCh»	-fine grained. -medium green with grey-white bands. -unit is similar to units between 286.52-323.92m and 325.86-336.80m. -mafic beds contains 10-15% garnets (1-2mm in size). -bedding at 40°/CA. -unit has a sharp lower contact at 30°/CA. -mafic beds are moderately magnetic.		-moderate to strong chloritization in the mafic beds. -moderate sericitization in the felsic beds.	-trace pyrite.	
516.95 TO 521.10	QUARTZ FELDSPAR PORPHYRY DYKE «9d(Se)»	-similar to unit between 504.33-513.96m. -irregular lower contact.				
521.10 TO 556.29	INTER-MEDIATE TO FELSIC TUFF «3/4tSeCh»	-light yellow-grey to medium grey-green. -fine grained. -unit is bedded with bedding starting at 35-40°/CA between 521.10-545.00m.		-strong sericitization. -weak to moderate chloritization.	-549.25-549.50m, 1-2% pyrrhotite, trace to 0.5% chalcopyrite.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		-between 545.00-556.29m, bedding becoming 15-20°/CA. -unit contains 30% mafic to intermediate beds (in first 50-60% of the unit). -mafic beds contain 25-30% garnets and are slightly magnetic. -unit is soft and has an irregular lower contact. -unit contains 0.5-1% tourmaline.			-sulphides are disseminated in and along a quartz stringer.	
556.29 TO 572.80	MAFIC DYKE OR DIABASE «10»	-dark green. -medium to coarse grained (finer grained along the contacts). -massive unit. -moderate foliation that is subparallel to the core axis. -unit is weakly to moderately magnetic and moderately hard. -irregular lower contact.		-patchy moderate carbonatization.	-trace pyrite. -3-5% magnetite.	
572.80 TO 593.00	FELSIC TUFF «4tSe(Ch)»	-light to medium yellow-green-grey. -fine grained. -similar to unit between 379.50-504.33m. -bedding changes from subparallel to core axis to 25°/CA in first 2m of unit. -rest of unit at 35-40°/CA. -1% tourmaline.		-moderate chloritization in first 2-3m of unit. -strong sericitization (patches of very strong sericitization).	-trace pyrite.	
593.00 TO 593.00	E.O.H.					

Sample	From (M)	To (M)	Leng. (M)	Cu ppm	Zn ppm	Au ppb	Ag ppm	Pb ppm	Ni ppm									
AN02931	10.43	11.15	0.72	298	9050	14	1.5	2033	58									
AVE.	11.85	13.75	1.90	204	13087	29	1.6	4291	35	0	0	0	0	0	0	0	0	0
AN02932	11.85	12.30	0.45	480	41400	102	2.6	13100	61									
AN02933	12.30	13.75	1.45	118	4300	6	1.3	1557	27									
AVE.	18.40	24.50	6.10	133	2344	47	1.4	1065	41	0	0	0	0	0	0	0	0	0
AN02934	18.40	19.25	0.85	117	1590	102	1.9	1456	34									
AN02935	19.25	19.70	0.45	192	13320	9	1.9	6260	34									
AN02936	19.70	20.00	0.30	123	2070	234	1.4	670	38									
AN02937	20.00	21.50	1.50	129	1450	0	1.3	309	50									
AN02938	21.50	23.00	1.50	130	1300	74	1.1	156	36									
AN02939	23.00	24.50	1.50	132	1470	11	1.3	1027	43									
AN02940	28.00	29.00	1.00	167	12740	30	1.6	3150	45									
AVE.	31.56	36.25	4.69	186	6869	35	1.3	2255	48	0	0	0	0	0	0	0	0	0
AN02942	31.56	32.00	0.44	309	2690	14	1.5	409	54									
AN02943	32.00	33.50	1.50	284	1740	85	1.9	259	76									
AN02944	33.50	35.00	1.50	64	780	14	0.6	663	33									
AN02945	35.00	36.25	1.25	172	21800	8	1.4	7210	31									
AVE.	36.50	44.00	7.50	310	18147	26	2.0	6515	43	0	0	0	0	0	0	0	0	0
AN02946	36.50	38.00	1.50	162	23990	32	1.5	7340	36									
AN02947	38.00	38.55	0.55	580	28880	10	3.1	8990	57									
AN02948	38.55	38.90	0.35	123	1580	59	3.0	1262	73									
AN02949	38.90	39.90	1.00	95	5710	0	1.8	1766	40									
AN02950	39.10	41.00	1.90	490	22100	40	2.4	7540	43									
AN02951	41.00	42.22	1.22	440	22520	5	1.7	11370	36									
AN02952	42.22	43.18	0.96	40	1280	26	0.4	641	23									
AN02953	43.18	43.45	0.27	28	840	0	0.9	330	38									
AN02954	43.45	44.00	0.55	208	12820	20	1.2	3270	31									
AN02955	44.00	45.00	1.00	98	324	13	0.6	41	25									
AN02956	45.00	46.45	1.45	88	285	5	0.3	32	24									
AN02957	46.45	47.95	1.50	105	232	16	0.2	44	61									
AN02958	78.18	79.00	0.82	129	1050	25	1.2	91	22									
AN02959	79.00	80.00	1.00	184	317	10	0.5	34	25									
AN02960	106.56	106.91	0.35	87	223	0	0.2	20	37									
AN02962	106.91	107.55	0.64	270	2350	8	0.8	14	31									
AN03006	298.40	299.90	1.50	130	16	84	0.2	0	45									
AN03007	299.90	300.90	1.00	140	61	11	0.2	0	76									
AN03008	300.90	301.90	1.00	363	201	10	0.7	133	81									
AN03009	301.90	302.90	1.00	52	118	22	0.1	54	29									
AN03010	302.90	304.40	1.50	123	40	5	0.0	19	26									
AN03011	320.00	321.35	1.35	13	41	0	0.1	0	36									
AN03012	321.35	322.85	1.50	450	248	5	0.8	20	499									
AN03013	322.85	323.92	1.07	440	305	11	0.7	49	877									
AN03014	325.86	326.86	1.00	107	64	0	0.3	5	63									
AN03015	326.86	327.86	1.00	94	85	10	0.2	5	45									
AN03016	334.00	335.00	1.00	352	178	8	1.0	0	76									
AN03017	335.00	335.80	0.80	117	69	46	0.7	33	71									
AN03018	335.80	336.80	1.00	44	56	7	0.3	2	59									

Sample	From (M)	To (M)	Leng. (M)	Cu ppm	Zn ppm	Au ppb	Ag ppm	Pb ppm	Ni ppm
AN03063	547.70	549.20	1.50	18	30	24	0.2	0	14
AN03064	549.20	549.55	0.35	186	47	17	0.3	1	14
AN03065	549.55	551.05	1.50	11	48	16	0.1	0	10

Sample	From (M)	To (M)	Leng. (M)	SIO2 %	AL203 %	CAO %	MGO %	NA20 %	K20 %	FE203 %	TIO2 %	P205 %	MNO %	CR203 %	LOI %	SUM %	Y PPM	ZR PPM	BA PPM	RB PPM	SR PPM	CO2 %	CU PPM	ZN PPM	NI PPM	CR PPM	FIELD NAME	CHEM ID	ALUM
AN03295	5.00	8.00	3.00	73.11	16.14	1.18	1.09	1.68	0.90	2.31	0.29	0.12	0.04	0.05	0.96	97.87	2	88	260				15	300	20			4PR*	429
AN03296	53.00	56.00	3.00	54.00	17.39	7.64	3.09	0.73	0.58	14.07	1.66	0.20	0.30	0.05	0.61	100.32	42	120	270				145	100	60			2w	194
AN03297	86.00	89.00	3.00	57.47	17.66	4.97	1.98	0.72	1.12	11.17	1.87	0.22	0.32	0.05	0.73	98.29	28	100	180				105	100	60			2w	259
AN03298	113.00	116.00	3.00	61.48	17.32	5.44	1.84	0.84	0.98	7.68	1.33	0.16	0.22	0.10	0.51	97.89	24	76	410				155	55	130			2x	239
AN03299	148.00	151.00	3.00	55.32	14.15	5.20	5.37	0.54	1.24	13.93	1.20	0.16	0.30	0.05	1.57	99.02	26	82	210				110	45	80			2v	203
AN03300	182.00	185.00	3.00	72.83	15.33	1.23	1.50	1.68	0.94	2.35	0.23	0.12	0.03	0.05	1.38	97.66	<2	78	250				5	20	10			4PR*	398
AN03151	236.00	239.00	3.00	51.17	13.48	6.82	3.98	1.87	0.46	19.98	1.46	0.18	0.54	0.04	0.90	100.86	34	186	70				195	710	50			2v	147
AN03152	248.00	251.00	3.00	55.46	15.12	4.52	4.24	2.32	0.70	14.62	1.58	0.18	0.38	0.09	1.53	100.75	30	102	230				360	135	60			2v	201
AN03153	278.00	281.00	3.00	52.20	15.00	8.60	5.36	2.37	0.58	14.29	1.25	0.14	0.21	0.03	0.60	100.64	28	88	90				165	125	60			2v	130
AN03155	302.00	305.00	3.00	52.91	16.07	6.52	7.53	2.20	1.12	11.96	0.60	0.08	0.26	0.06	1.57	100.89	18	44	80				30	75	60			2u	163
AN03154	308.00	311.00	3.00	52.88	16.07	8.99	6.15	1.84	1.06	10.73	0.59	0.08	0.17	0.09	0.99	99.62	18	30	100				95	65	20			2u	135
AN03156	329.00	332.00	3.00	55.45	15.17	2.71	9.03	3.62	0.42	7.90	0.54	0.18	0.10	0.05	3.44	98.63	18	90	110				90	45	60			2u	225
AN03157	341.00	344.00	3.00	73.60	16.76	2.29	1.15	0.60	2.20	1.50	0.32	0.12	0.03	0.04	1.93	100.55	8	156	300				15	50	<10			4PR*	329
AN03158	371.00	374.00	3.00	55.14	15.01	3.70	4.24	0.22	0.52	17.45	0.29	0.10	1.01	0.05	2.18	99.93	8	218	40				10	70	<10			2v*	338
AN03159	401.00	404.00	3.00	73.88	15.89	3.00	1.74	0.77	1.16	1.51	0.35	0.12	0.06	0.05	1.90	100.41	4	148	110				30	25	10			4PR*	322
AN03160	422.00	425.00	3.00	72.59	17.07	2.78	1.54	0.38	1.18	1.45	0.35	0.16	0.03	0.04	1.99	99.54	6	98	130				115	30	<10			4PR*	393
AN03161	452.00	455.00	3.00	63.21	15.29	3.88	3.03	2.17	1.24	8.67	0.39	0.26	0.35	0.05	2.03	100.57	10	134	270				60	105	20			2w	210
AN03162	488.00	491.00	3.00	69.54	15.55	1.63	1.57	1.33	1.66	6.74	0.33	0.12	0.30	0.05	1.81	100.64	6	126	300				35	95	<10			4PR*	337
AN03163	527.00	530.00	3.00	67.63	14.62	2.39	2.28	0.53	1.88	8.65	0.31	0.12	0.45	0.04	1.89	100.78	16	168	190				<5	130	<10			2w*	305
AN03164	569.00	572.00	3.00	44.69	9.27	8.74	11.21	1.47	2.28	8.91	0.67	0.30	0.15	0.12	12.68	100.36	14	88	1060				55	50	180			1!	74
AN03165	581.00	584.00	3.00	76.36	14.71	1.41	1.17	0.33	2.28	2.21	0.34	0.12	0.04	0.09	1.92	100.88	8	150	190				160	65	30			4PR*	366

Sample	From (M)	To (M)	Leng. (M)	AG PPM	AU PPB	CO PPM	PB PPM	S PPM	V PPM	AS PPM	SN PPM	CD PPM	SB PPM	BI PPM	SE PPM	HF PPM	TA PPM	W PPM	MO PPM	TH PPM	U PPM	B PPM	CS PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	GD PPM
AN03295	5.00	8.00	3.00			10		800																					
AN03296	53.00	56.00	3.00			45		1000																					
AN03297	86.00	89.00	3.00			50		1100																					
AN03298	113.00	116.00	3.00			50		900																					
AN03299	148.00	151.00	3.00			50		900																					
AN03300	182.00	185.00	3.00			10		500																					
AN03151	236.00	239.00	3.00			45		5800																					
AN03152	248.00	251.00	3.00			55		2400																					
AN03153	278.00	281.00	3.00			45		2600																					
AN03155	302.00	305.00	3.00			35		1200																					
AN03154	308.00	311.00	3.00			40		2000																					
AN03156	329.00	332.00	3.00			30		2600																					
AN03157	341.00	344.00	3.00			10		1400																					
AN03158	371.00	374.00	3.00			5		800																					
AN03159	401.00	404.00	3.00			<5		300																					
AN03160	422.00	425.00	3.00			<5		600																					
AN03161	452.00	455.00	3.00			15		1200																					
AN03162	488.00	491.00	3.00			5		500																					
AN03163	527.00	530.00	3.00			5		400																					
AN03164	569.00	572.00	3.00			40		1500																					
AN03165	581.00	584.00	3.00			<5		500																					

Sample	From (M)	To (M)	Leng. (M)	DY PPM	ER PPM	LU PPM	OS PPB	IR PPB	RU PPB	RH PPB	PT PPB	PD PPB	LI PPM	BE PPM	MN PPM	GA PPM	GE PPM	IN PPM	TL PPM	SC PPM	BR PPM	YB PPM	NB PPM
AN03295	5.00	8.00	3.00																				
AN03296	53.00	56.00	3.00																				
AN03297	86.00	89.00	3.00																				
AN03298	113.00	116.00	3.00																				
AN03299	148.00	151.00	3.00																				
AN03300	182.00	185.00	3.00																				
AN03151	236.00	239.00	3.00																				
AN03152	248.00	251.00	3.00																				
AN03153	278.00	281.00	3.00																				
AN03155	302.00	305.00	3.00																				
AN03154	308.00	311.00	3.00																				
AN03156	329.00	332.00	3.00																				
AN03157	341.00	344.00	3.00																				
AN03158	371.00	374.00	3.00																				
AN03159	401.00	404.00	3.00																				
AN03160	422.00	425.00	3.00																				
AN03161	452.00	455.00	3.00																				
AN03162	488.00	491.00	3.00																				
AN03163	527.00	530.00	3.00																				
AN03164	569.00	572.00	3.00																				
AN03165	581.00	584.00	3.00																				

ASSAYERS
LABORATOIRES/LABORATORIES
DIVISION DE/OF ASSAYERS CORPORATION LTD.
780, AV. DU CUIVRE, C.P. 665, ROUYN-NORANDA (QUÉBEC) J9X 5C6 TÉL.: (819) 797-4653 FAX: (819) 797-4501

Certificat/Certificate

2R-2065-RG1

Comp: **FALCONBRIDGE LTD.**
Proj: 8668
Attn: JIM AULTMAN

Date: DEC-18-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: DEC-01-92

GA61-07

No. D'Echantillon / Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
AN02931	14	-	-	1.5	298	58	2033	9050
AN02932	102	88	116	2.6	480	61	13100	41400
AN02933	6	-	-	1.3	118	27	1557	4300
AN02934	102	122	82	1.9	117	34	1456	1590
AN02935	9	-	-	1.9	192	34	6260	13320
AN02936	234	218	250	1.4	123	38	670	2070
AN02937	<5	-	-	1.3	129	50	309	1450
AN02938	74	-	-	1.1	130	36	156	1300
AN02939	11	-	-	1.3	132	43	1027	1470
AN02940	30	-	-	1.6	167	45	3150	12740
AN02941	12	-	-	9.7	1090	46	372	28030
AN02942	14	16	12	1.5	309	54	409	2690
AN02943	85	70	99	1.9	284	76	259	1740
AN02944	14	-	-	0.6	64	33	663	780
AN02945	8	-	-	1.4	172	31	7210	21800
AN02946	32	-	-	1.5	162	36	7340	23990
AN02947	10	-	-	3.1	580	57	8990	28880
AN02948	59	-	-	3.0	123	73	1262	1580
AN02949	<5	-	-	1.8	95	40	1766	5710
AN02950	40	-	-	2.4	490	43	7540	22100
AN02951	5	-	-	1.7	440	36	11370	22520
AN02952	26	-	-	0.4	40	23	641	1280

Certifié par/Certified by _____

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780, AV. DU CUIVRE, C.P. 665, ROUYN-NORANDA (QUÉBEC) J9X 5C6 TÉL.: (819) 797-4653 FAX: (819) 797-4501

Certificat/Certificate

2R-2065-RG1

Comp: **FALCONBRIDGE LTD.**
Proj: 8668
Attn: JIM AULTMAN

Date: DEC-18-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: DEC-01-92

No. D'Echantillon / Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
AN02931	14	-	-	1.5	298	58	2033	9050
AN02932	102	88	116	2.6	480	61	13100	41400
AN02933	6	-	-	1.3	118	27	1557	4300
AN02934	102	122	82	1.9	117	34	1456	1590
AN02935	9	-	-	1.9	192	34	6260	13320
AN02936	234	218	250	1.4	123	38	670	2070
AN02937	<5	-	-	1.3	129	50	309	1450
AN02938	74	-	-	1.1	130	36	156	1300
AN02939	11	-	-	1.3	132	43	1027	1470
AN02940	30	-	-	1.6	167	45	3150	12740
AN02941	12	-	-	9.7	1090	46	372	28030
AN02942	14	16	12	1.5	309	54	409	2690
AN02943	85	70	99	1.9	284	76	259	1740
AN02944	14	-	-	0.6	64	33	663	780
AN02945	8	-	-	1.4	172	31	7210	21800
AN02946	32	-	-	1.5	162	36	7340	23990
AN02947	10	-	-	3.1	580	57	8990	28880
AN02948	59	-	-	3.0	123	73	1262	1580
AN02949	<5	-	-	1.8	95	40	1766	5710
AN02950	40	-	-	2.4	490	43	7540	22100
AN02951	5	-	-	1.7	440	36	11370	22520
AN02952	26	-	-	0.4	40	23	641	1280

Certifie par/Certified by _____

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DIVISION DE/OF ASSAYERS CORPORATION LTD.
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Certificat/Certificate

2R-2065-RG2

Comp: **FALCONBRIDGE LTD.**
Proj: 8668
Attn: JIM AULTMAN

Date: DEC-20-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: DEC-01-92

No. D'Echantillon / Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
AN02953	<5	-	-	0.9	28	38	330	840
AN02954	20	23	16	1.2	208	31	3270	12820
AN02955	13	-	-	0.6	98	25	41	324
AN02956	5	-	-	0.3	88	24	32	285
AN02957	16	-	-	0.2	105	61	44	232
AN02958	25	-	-	1.2	129	22	91	1050
AN02959	10	12	8	0.5	184	25	34	317
AN02960	<5	-	-	0.2	87	37	20	223
AN02961	3705	3910	3500	3.0	>4500	4	17	162
AN02962	8	-	-	0.8	270	31	14	2350

*AN02961 - CU >4500 PPM - NO PULP OR REJECT LEFT

Certifie par/Certified by _____

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Certificat/Certificate

2R-2065-RG2

Comp: **FALCONBRIDGE LTD.**
Proj: 8668
Attn: JIM AULTMAN

Date: DEC-20-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: DEC-01-92

No. D'Echantillon / Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
AN02953	<5	-	-	0.9	28	38	330	840
AN02954	20	23	16	1.2	208	31	3270	12820
AN02955	13	-	-	0.6	98	25	41	324
AN02956	5	-	-	0.3	88	24	32	285
AN02957	16	-	-	0.2	105	61	44	232
AN02958	25	-	-	1.2	129	22	91	1050
AN02959	10	12	8	0.5	184	25	34	317
AN02960	<5	-	-	0.2	87	37	20	223
AN02961	3705	3910	3500	3.0	>4500	4	17	162
AN02962	8	-	-	0.8	270	31	14	2350

*ANO2961 - CU >4500 PPM - NO PULP OR REJECT LEFT

Certifie par/Certified by _____

ASSAYERS
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DIVISION DE/OF ASSAYERS CORPORATION LTD.
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Certificat/Certificate

2R-2110-RG1

Comp: **FALCONBRIDGE LTD.**
Proj: 8668
Attn: JIM AULTMAN

Date: DEC-21-92

Nombre D'Echantillons/No. of Samples: GA61-07
Soumis le/Submitted: DEC-13-92

No. D'Echantillon Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
AN03006	84	-	-	0.2	130	45	ND	16
AN03007	11	-	-	0.2	140	76	ND	61
AN03008	10	-	-	0.7	363	81	133	201
AN03009	22	-	-	0.1	52	29	54	118
AN03010	5	-	-	ND	123	26	19	40
AN03011	<5	-	-	0.1	13	36	ND	41
AN03012	5	-	-	0.8	450	499	20	248
AN03013	11	-	-	0.7	440	877	49	305
AN03014	<5	-	-	0.3	107	63	5	64
AN03015	10	-	-	0.2	94	45	5	85
AN03016	8	-	-	1.0	352	76	ND	178
AN03017	46	42	50	0.7	117	71	33	69
AN03018	7	-	-	0.3	44	59	2	56
AN03063	24	-	-	0.2	18	14	ND	30
AN03064	17	-	-	0.3	186	14	1	47
AN03065	16	-	-	0.1	11	10	ND	48

Certifié par/Certified by _____

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Certificat/Certificate

2R-2110-RG1

Comp: **FALCONBRIDGE LTD.**
Proj: 8668
Attn: JIM AULTMAN

Date: DEC-21-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: DEC-13-92

No. D'Echantillon / Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
AN03006	84	-	-	0.2	130	45	ND	16
AN03007	11	-	-	0.2	140	76	ND	61
AN03008	10	-	-	0.7	363	81	133	201
AN03009	22	-	-	0.1	52	29	54	118
AN03010	5	-	-	ND	123	26	19	40
AN03011	<5	-	-	0.1	13	36	ND	41
AN03012	5	-	-	0.8	450	499	20	248
AN03013	11	-	-	0.7	440	877	49	305
AN03014	<5	-	-	0.3	107	63	5	64
AN03015	10	-	-	0.2	94	45	5	85
AN03016	8	-	-	1.0	352	76	ND	178
AN03017	46	42	50	0.7	117	71	33	69
AN03018	7	-	-	0.3	44	59	2	56
AN03063	24	-	-	0.2	18	14	ND	30
AN03064	17	-	-	0.3	186	14	1	47
AN03065	16	-	-	0.1	11	10	ND	48

*Certifie par/Certified by*_____

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DIVISION DE/OF ASSAYERS CORPORATION LTD.
760, AV. DU CUIVRE, C.P. 666, ROUYN-NORANDA (QUÉBEC) J9X 5C8 TÉL.: (819) 797-4663 FAX: (819) 797-4601

Certificat/Certificate

2R-2112-RG1

Comp: FALCONBRIDGE LTD.
Proj: 8668
Attn: JIM AULTMAN

GA61-06

Date: DEC-21-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: DEC-12-92

No. D'Echantillon Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
AN03055	8	-	-	0.2	65	71	ND	40
AN03056	24	-	-	1.3	369	456	ND	29
AN03057	12	-	-	0.6	137	111	ND	32
AN03058	<5	-	-	0.5	142	88	ND	70
AN03059	8	-	-	1.2	430	129	ND	25
AN03060	21	-	-	0.6	107	48	ND	50
AN03061	326	349	302	1.3	**	2	21	175
AN03062	20	-	-	0.8	76	32	ND	37

**TO FOLLOW

*Certifié par/Certified by*_____

"AU SERVICE DE L'INDUSTRIE DEPUIS PLUS DE 60 ANS"
"SERVING INDUSTRY FOR OVER 60 YEARS"

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Certificat/Certificate

2R-2021-RG1

Comp: **FALCONBRIDGE LTD.**
Proj: 8668
Attn: JIM AULTMAN

Date: DEC-04-92

GA61-06

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: NOV-21-92

No. D'Echantillon / Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
AN06024	24	-	-	0.5	25	20	17	110
AN06025	15	-	-	0.2	41	22	54	144
AN06026	<5	-	-	ND	30	24	7	49
AN06027	<5	-	-	0.5	10	149	4	19
AN06028	<5	-	-	0.2	39	24	9	57
AN06029	5	-	-	0.1	22	24	7	64
AN06030	<5	-	-	0.1	20	20	74	115
AN06031	<5	-	-	ND	12	16	ND	37
AN06032	<5	-	-	ND	27	23	ND	43
AN06033	<5	-	-	ND	23	22	ND	54
AN06034	5	-	-	ND	33	18	ND	43
AN06035	8	-	-	ND	17	25	ND	61
AN06036	20	-	-	ND	28	38	2	187
AN06037	35	-	-	0.1	19	21	2	156
AN06038	82	-	-	ND	25	43	7	347
AN06039	35	30	40	0.1	41	48	6	381
AN06040	48	52	44	0.1	39	45	7	707
AN06041	26	-	-	12.2	9810	16	74	75400
AN06042	65	-	-	0.1	39	60	3	429
AN06043	<5	-	-	ND	21	26	6	376
AN06044	26	-	-	0.1	17	32	6	308
AN06045	20	-	-	0.2	40	63	6	227

Certifie par/Certified by _____

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Certificat/Certificate

2R-2021-RG1

Comp: **FALCONBRIDGE LTD.**
Proj: 8668
Attn: JIM AULTMAN

Date: DEC-04-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: NOV-21-92

No. D'Echantillon / Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
AN06024	24	-	-	0.5	25	20	17	110
AN06025	15	-	-	0.2	41	22	54	144
AN06026	<5	-	-	ND	30	24	7	49
AN06027	<5	-	-	0.5	10	149	4	19
AN06028	<5	-	-	0.2	39	24	9	57
AN06029	5	-	-	0.1	22	24	7	64
AN06030	<5	-	-	0.1	20	20	74	115
AN06031	<5	-	-	ND	12	16	ND	37
AN06032	<5	-	-	ND	27	23	ND	43
AN06033	<5	-	-	ND	23	22	ND	54
AN06034	5	-	-	ND	33	18	ND	43
AN06035	8	-	-	ND	17	25	ND	61
AN06036	20	-	-	ND	28	38	2	187
AN06037	35	-	-	0.1	19	21	2	156
AN06038	82	-	-	ND	25	43	7	347
AN06039	35	30	40	0.1	41	48	6	381
AN06040	48	52	44	0.1	39	45	7	707
AN06041	26	-	-	12.2	9810	16	74	75400
AN06042	65	-	-	0.1	39	60	3	429
AN06043	<5	-	-	ND	21	26	6	376
AN06044	26	-	-	0.1	17	32	6	308
AN06045	20	-	-	0.2	40	63	6	227

Certifie par/Certified by _____

"AU SERVICE DE L'INDUSTRIE DEPUIS PLUS DE 50 ANS"
"SERVING INDUSTRY FOR OVER 50 YEARS"

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ASSAYERS
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DIVISION DE/OF ASSAYERS CORPORATION LTD.
780, AV. DU CUIVRE, C.P. 665, ROUYN-NORANDA (QUÉBEC) J9X 5C6 TÉL.: (819) 797-4653 FAX: (819) 797-4501

Certificat/Certificate

2R-2021-RG2

Comp: **FALCONBRIDGE LTD.**
Proj: 8668
Attn: JIM AULTMAN

Date: DEC-14-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: NOV-21-92

No. D'Echantillon / Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
AN06046	39	38	40	0.3	27	28	2	171
AN06047	36	-	-	0.4	39	52	1	343
AN06048	<5	-	-	0.1	25	33	5	108
AN06049	90	-	-	0.4	40	43	1	148
AN06050	80	-	-	0.4	28	29	9	1450
AN06051	37	35	40	0.2	31	35	2	530
AN06052	44	-	-	0.4	43	46	5	742
AN06053	29	-	-	0.4	40	36	ND	629
AN06054	29	-	-	0.3	37	33	ND	500
AN06055	51	-	-	0.6	43	45	ND	466
AN06056	65	-	-	0.6	53	59	3	368
AN06057	47	-	-	0.5	41	51	1	320
AN06058	32	-	-	0.4	44	54	1	196
AN06059	9	-	-	0.1	33	41	2	214
AN06060	49	-	-	0.1	31	31	2	266
AN06061	1762	2023	1500	3.9	14200	2	25	195
AN06062	51	-	-	0.1	72	43	2	182
AN06063	54	-	-	0.2	49	44	4	234
AN06064	26	-	-	0.1	50	59	31	305
AN06065	53	-	-	0.4	44	44	4	137
AN06066	<5	-	-	0.3	40	45	7	167
AN06067	43	-	-	0.4	41	31	3	126

Certifie par/Certified by _____

ASSAYERS
LABORATOIRES/LABORATORIES
DIVISION DE/OF ASSAYERS CORPORATION LTD.
780, AV. DU CUIVRE, C.P. 665, ROUYN-NORANDA (QUÉBEC) J9X 5C6 TÉL.: (819) 797-4653 FAX: (819) 797-4501

Certificat/Certificate

2R-2021-RG2

Comp: **FALCONBRIDGE LTD.**
Proj: 8668
Attn: JIM AULTMAN

Date: DEC-14-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: NOV-21-92

No. D'Echantillon / Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
AN06046	39	38	40	0.3	27	28	2	171
AN06047	36	-	-	0.4	39	52	1	343
AN06048	<5	-	-	0.1	25	33	5	108
AN06049	90	-	-	0.4	40	43	1	148
AN06050	80	-	-	0.4	28	29	9	1450
AN06051	37	35	40	0.2	31	35	2	530
AN06052	44	-	-	0.4	43	46	5	742
AN06053	29	-	-	0.4	40	36	ND	629
AN06054	29	-	-	0.3	37	33	ND	500
AN06055	51	-	-	0.6	43	45	ND	466
AN06056	65	-	-	0.6	53	59	3	368
AN06057	47	-	-	0.5	41	51	1	320
AN06058	32	-	-	0.4	44	54	1	196
AN06059	9	-	-	0.1	33	41	2	214
AN06060	49	-	-	0.1	31	31	2	266
AN06061	1762	2023	1500	3.9	14200	2	25	195
AN06062	51	-	-	0.1	72	43	2	182
AN06063	54	-	-	0.2	49	44	4	234
AN06064	26	-	-	0.1	50	59	31	305
AN06065	53	-	-	0.4	44	44	4	137
AN06066	<5	-	-	0.3	40	45	7	167
AN06067	43	-	-	0.4	41	31	3	126

Certifie par/Certified by _____

ASSAYERS
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DIVISION DE/OF ASSAYERS CORPORATION LTD.
780, AV. DU CUIVRE, C.P. 665, ROUYN-NORANDA (QUÉBEC) J9X 5C6 TÉL.: (819) 797-4653 FAX: (819) 797-4501

Certificat/Certificate

2R-2021-RG3

Comp: **FALCONBRIDGE LTD.**
Proj: 8668
Attn: JIM AULTMAN

Date: DEC-04-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: NOV-21-92

No. D'Echantillon / Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
AN06068	36	-	-	0.3	51	57	ND	216
AN06069	46	-	-	0.2	40	28	4	199
AN06070	13	10	16	0.1	21	27	ND	292
AN06071	38	43	33	0.1	22	51	1	213
AN06072	<5	-	-	ND	6	34	2	80
AN06073	<5	-	-	0.1	25	31	ND	110
AN06074	15	18	12	0.3	45	44	ND	77
AN06075	<5	-	-	0.1	12	22	ND	82
AN06076	<5	-	-	0.1	8	16	ND	33
AN06077	16	-	-	0.1	18	22	1	63
AN06078	14	-	-	ND	28	42	2	201
AN06079	<5	-	-	ND	12	22	2	72
AN06080	70	-	-	0.4	44	45	7	153
AN06081	1600	-	-	3.7	*	3	27	176
AN06082	38	-	-	0.1	173	26	ND	72
AN06083	12	-	-	ND	37	20	ND	58
AN06084	<5	<5	<5	0.1	85	75	ND	84
AN06085	20	-	-	0.2	66	64	ND	103
AN06086	29	-	-	ND	28	23	ND	449
AN06087	30	-	-	0.3	106	64	ND	236
AN06088	8	-	-	ND	36	33	ND	529
AN06089	<5	-	-	0.1	88	48	ND	333

* NO MORE SAMPLE

Certifie par/Certified by _____

CTA

ASSAYERS
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DIVISION DE/OF ASSAYERS CORPORATION LTD.
780, AV. DU CUIVRE, C.P. 665, ROUYN-NORANDA (QUÉBEC) J9X 5C6 TÉL.: (819) 797-4653 FAX: (819) 797-4501

Certificat/Certificate

2R-2021-RG3

Comp: **FALCONBRIDGE LTD.**
Proj: 8668
Attn: JIM AULTMAN

Date: DEC-04-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: NOV-21-92

No. D'Echantillon / Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
AN06068	36	-	-	0.3	51	57	ND	216
AN06069	46	-	-	0.2	40	28	4	199
AN06070	13	10	16	0.1	21	27	ND	292
AN06071	38	43	33	0.1	22	51	1	213
AN06072	<5	-	-	ND	6	34	2	80
AN06073	<5	-	-	0.1	25	31	ND	110
AN06074	15	18	12	0.3	45	44	ND	77
AN06075	<5	-	-	0.1	12	22	ND	82
AN06076	<5	-	-	0.1	8	16	ND	33
AN06077	16	-	-	0.1	18	22	1	63
AN06078	14	-	-	ND	28	42	2	201
AN06079	<5	-	-	ND	12	22	2	72
AN06080	70	-	-	0.4	44	45	7	153
AN06081	1600	-	-	3.7	*	3	27	176
AN06082	38	-	-	0.1	173	26	ND	72
AN06083	12	-	-	ND	37	20	ND	58
AN06084	<5	<5	<5	0.1	85	75	ND	84
AN06085	20	-	-	0.2	66	64	ND	103
AN06086	29	-	-	ND	28	23	ND	449
AN06087	30	-	-	0.3	106	64	ND	236
AN06088	8	-	-	ND	36	33	ND	529
AN06089	<5	-	-	0.1	88	48	ND	333

* NO MORE SAMPLE

Certifie par/Certified by _____

CTA

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DIVISION DE/OF ASSAYERS CORPORATION LTD.
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Certificat/Certificate

2R-2021-RG4

Comp: **FALCONBRIDGE LTD.**
Proj: 8668
Attn: JIM AULTMAN

Date: DEC-04-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: NOV-21-92

No. D'Echantillon / Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
AN06090	5	-	-	ND	56	30	ND	1450
AN06091	10	10	10	ND	93	75	ND	168
AN06092	52	-	-	ND	72	43	ND	66
AN06093	10	-	-	0.2	199	35	2	187
AN06094	50	-	-	0.6	540	116	3	1640
AN06095	<5	-	-	ND	98	60	ND	155
AN06096	7	7	6	0.1	357	218	ND	280
AN06097	65	-	-	ND	90	64	ND	86

Certifie par/Certified by

ASSAYERS
LABORATOIRES/LABORATORIES
DIVISION DE/OF ASSAYERS CORPORATION LTD.
780, AV. DU CUIVRE, C.P. 665, ROUYN-NORANDA (QUÉBEC) J9X 5C6 TÉL.: (819) 797-4653 FAX: (819) 797-4501

Certificat/Certificate

2R-2021-RG4

Comp: **FALCONBRIDGE LTD.**
Proj: 8668
Attn: JIM AULTMAN

Date: DEC-04-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: NOV-21-92

No. D'Echantillon / Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
AN06090	5	-	-	ND	56	30	ND	1450
AN06091	10	10	10	ND	93	75	ND	168
AN06092	52	-	-	ND	72	43	ND	66
AN06093	10	-	-	0.2	199	35	2	187
AN06094	50	-	-	0.6	540	116	3	1640
AN06095	<5	-	-	ND	98	60	ND	155
AN06096	7	7	6	0.1	357	218	ND	280
AN06097	65	-	-	ND	90	64	ND	86

Certifié par/Certified by _____

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DIVISION DE/OF ASSAYERS CORPORATION LTD.
780, AV. DU CUIVRE, C.P. 665, ROUYN-NORANDA (QUÉBEC) J9X 5C6 TÉL.: (819) 797-4653 FAX: (819) 797-4501

Certificat/Certificate

2R-2112-RG1

Comp: **FALCONBRIDGE LTD.**
Proj: 8668
Attn: JIM AULTMAN

Date: DEC-31-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: DEC-12-92

GA61-06

No. D'Echantillon / Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
AN03055	8	-	-	0.2	65	71	ND	40
AN03056	24	-	-	1.3	369	456	ND	29
AN03057	12	-	-	0.6	137	111	ND	32
AN03058	<5	-	-	0.5	142	88	ND	70
AN03059	8	-	-	1.2	430	129	ND	25
AN03060	21	-	-	0.6	107	48	ND	50
AN03061	326	349	302	1.3	*	2	21	175
AN03062	20	-	-	0.8	76	32	ND	37

*AN03061 - CU - >4500 PPM - NO PULP OR REJECT LEFT

Certifie par/Certified by _____

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Certificat/Certificate

2R-2112-RG1

Comp: **FALCONBRIDGE LTD.**
Proj: 8668
Attn: JIM AULTMAN

Date: DEC-31-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: DEC-12-92

No. D'Echantillon / Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
AN03055	8	-	-	0.2	65	71	ND	40
AN03056	24	-	-	1.3	369	456	ND	29
AN03057	12	-	-	0.6	137	111	ND	32
AN03058	<5	-	-	0.5	142	88	ND	70
AN03059	8	-	-	1.2	430	129	ND	25
AN03060	21	-	-	0.6	107	48	ND	50
AN03061	326	349	302	1.3	*	2	21	175
AN03062	20	-	-	0.8	76	32	ND	37

*AN03061 - CU - >4500 PPM - NO PULP OR REJECT LEFT

Certifie par/Certified by _____

CTA

ASSAYERS
LABORATOIRES/LABORATORIES
DIVISION DE/OF ASSAYERS CORPORATION LTD.
780, AV. DU CUIVRE, C.P. 665, ROUYN-NORANDA (QUÉBEC) J9X 5C6 TÉL.: (819) 797-4653 FAX: (819) 797-4501

Certificat/Certificate

2R-2008-RG1

Comp: **FALCONBRIDGE LTD.**
Proj: 8668
Attn: JIM AULTMAN

Date: DEC-01-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: NOV-21-92

GA61-05

No. D'Echantillon / Sample Number	AU PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
AN06155	7	0.7	483	179	ND	108
AN06156	22	0.7	1420	840	ND	132
AN06157	15	0.3	734	183	ND	65
AN06158	14	0.4	666	289	ND	142
AN06159	11	0.1	288	159	ND	88
AN06160	20	0.1	210	116	ND	162
AN06161	1372	4.1	!	3	32	169
AN06162	20	0.1	185	82	1	52
AN06163	60	0.4	285	114	2	850
AN06164	16	0.3	291	104	ND	331
AN06165	22	0.5	1335	239	ND	1480
AN06166	50	ND	211	82	ND	189
AN06167	18	ND	98	43	ND	53
AN06168	14	0.2	98	50	ND	46
AN06169	32	0.2	164	71	ND	130
AN06170	66	0.2	206	95	ND	390
AN06171	16	0.2	164	116	ND	75
AN06172	34	0.5	195	92	ND	246
AN06173	96	1.1	360	131	ND	344
AN06174	20	0.1	264	129	ND	350
AN06175	10	0.1	255	99	ND	440
AN06176	108	0.4	625	90	ND	540

!NO MORE SAMPLE

Certifie par/Certified by C. Hallman

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DIVISION DE/OF ASSAYERS CORPORATION LTD.
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Certificat/Certificate

2R-2008-RG1

Comp: **FALCONBRIDGE LTD.**
Proj: 8668
Attn: JIM AULTMAN

Date: DEC-01-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: NOV-21-92

No. D'Echantillon / Sample Number	AU PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
AN06155	7	0.7	483	179	ND	108
AN06156	22	0.7	1420	840	ND	132
AN06157	15	0.3	734	183	ND	65
AN06158	14	0.4	666	289	ND	142
AN06159	11	0.1	288	159	ND	88
AN06160	20	0.1	210	116	ND	162
AN06161	1372	4.1	!	3	32	169
AN06162	20	0.1	185	82	1	52
AN06163	60	0.4	285	114	2	850
AN06164	16	0.3	291	104	ND	331
AN06165	22	0.5	1335	239	ND	1480
AN06166	50	ND	211	82	ND	189
AN06167	18	ND	98	43	ND	53
AN06168	14	0.2	98	50	ND	46
AN06169	32	0.2	164	71	ND	130
AN06170	66	0.2	206	95	ND	390
AN06171	16	0.2	164	116	ND	75
AN06172	34	0.5	195	92	ND	246
AN06173	96	1.1	360	131	ND	344
AN06174	20	0.1	264	129	ND	350
AN06175	10	0.1	255	99	ND	440
AN06176	108	0.4	625	90	ND	540

!NO MORE SAMPLE

Certifie par/Certified by C Hullman

ASSAYERS
LABORATOIRES/LABORATORIES
DIVISION DE/OF ASSAYERS CORPORATION LTD.
780, AV. DU CUIVRE, C.P. 665, ROUYN-NORANDA (QUÉBEC) J9X 5C6 TÉL.: (819) 797-4653 FAX: (819) 797-4501

Certificat/Certificate

2R-2008-RG2

Comp: **FALCONBRIDGE LTD.**
Proj: 8668
Attn: JIM AULTMAN

Date: DEC-01-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: NOV-21-92

No. D'Echantillon / Sample Number	AU PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
AN06177	38	0.8	221	69	ND	360
AN06178	14	0.3	80	36	ND	287
AN06179	12	0.3	92	47	ND	164
AN06180	24	0.7	190	64	25	555
AN06181	994	4.3	14240	3	26	185
AN06182	42	0.4	211	78	ND	1060
AN06183	16	0.2	81	42	ND	450
AN06184	20	0.5	108	43	ND	446
AN06185	12	0.4	221	158	ND	181
AN06186	7	0.5	139	119	ND	116
AN06187	12	0.3	164	143	ND	138
AN06188	16	0.1	228	205	ND	240
AN06189	10	0.1	115	71	2	101
AN06190	54	0.4	450	81	3	96
AN06191	5	0.1	194	66	ND	194
AN06192	10	ND	48	63	1	195
AN06193	10	0.1	149	42	1	227
AN06194	20	ND	91	31	ND	347
AN06195	64	0.3	106	76	1	305
AN06196	44	ND	157	84	ND	244
AN06197	32	0.2	108	79	ND	189
AN06198	16	0.4	73	67	3	169

Certifie par/Certified by G. Hallman

ASSAYERS
LABORATOIRES/LABORATORIES
DIVISION DE/OF ASSAYERS CORPORATION LTD.
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Certificat/Certificate

2R-2008-RG2

Comp: **FALCONBRIDGE LTD.**
Proj: 8668
Attn: JIM AULTMAN

Date: DEC-01-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: NOV-21-92

No. D'Echantillon / Sample Number	AU PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
AN06177	38	0.8	221	69	ND	360
AN06178	14	0.3	80	36	ND	287
AN06179	12	0.3	92	47	ND	164
AN06180	24	0.7	190	64	25	555
AN06181	994	4.3	14240	3	26	185
AN06182	42	0.4	211	78	ND	1060
AN06183	16	0.2	81	42	ND	450
AN06184	20	0.5	108	43	ND	446
AN06185	12	0.4	221	158	ND	181
AN06186	7	0.5	139	119	ND	116
AN06187	12	0.3	164	143	ND	138
AN06188	16	0.1	228	205	ND	240
AN06189	10	0.1	115	71	2	101
AN06190	54	0.4	450	81	3	96
AN06191	5	0.1	194	66	ND	194
AN06192	10	ND	48	63	1	195
AN06193	10	0.1	149	42	1	227
AN06194	20	ND	91	31	ND	347
AN06195	64	0.3	106	76	1	305
AN06196	44	ND	157	84	ND	244
AN06197	32	0.2	108	79	ND	189
AN06198	16	0.4	73	67	3	169

Certifie par/Certified by C. Hallman

ASSAYERS
LABORATOIRES/LABORATORIES
DIVISION DE/OF ASSAYERS CORPORATION LTD.
780, AV. DU CUIVRE, C.P. 665, ROUYN-NORANDA (QUÉBEC) J9X 5C6 TÉL.: (819) 797-4653 FAX: (819) 797-4501

Certificat/Certificate

2R-2008-RG3

Comp: **FALCONBRIDGE LTD.**
Proj: 8668
Attn: JIM AULTMAN

Date: DEC-01-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: NOV-21-92

No. D'Echantillon / Sample Number	AU PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
AN06199	652	0.8	243	126	14	130
AN06200	20	0.2	62	115	4	101
AN05951	54	0.1	37	96	4	298
AN05952	46	0.3	55	30	ND	75
AN05953	14	0.4	40	73	ND	125
AN05954	15	0.4	96	23	ND	51
AN05955	22	0.3	192	29	3	185
AN05956	12	0.3	153	31	8	341
AN05957	16	0.7	68	22	660	1460
AN05958	20	0.3	44	36	202	681
AN05959	6	0.7	260	39	1840	1680
AN05960	<5	0.3	14	104	69	194
AN05961	80	42.8	19390	14	132	132600
AN05962	14	0.3	88	42	51	529
AN05963	20	0.6	89	31	1140	730
AN05964	6	0.2	10	52	75	395
AN05965	18	2.4	219	107	17800	43800

Certifie par/Certified by C. Hellman

CTA

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DIVISION DE/OF ASSAYERS CORPORATION LTD.
780, AV. DU CUIVRE, C.P. 665, ROUYN-NORANDA (QUÉBEC) J9X 5C6 TÉL.: (819) 797-4653 FAX: (819) 797-4501

Certificat/Certificate

2R-2008-RG3

Comp: **FALCONBRIDGE LTD.**
Proj: 8668
Attn: JIM AULTMAN

Date: DEC-01-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: NOV-21-92

No. D'Echantillon / Sample Number	AU PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
AN06199	652	0.8	243	126	14	130
AN06200	20	0.2	62	115	4	101
AN05951	54	0.1	37	96	4	298
AN05952	46	0.3	55	30	ND	75
AN05953	14	0.4	40	73	ND	125
AN05954	15	0.4	96	23	ND	51
AN05955	22	0.3	192	29	3	185
AN05956	12	0.3	153	31	8	341
AN05957	16	0.7	68	22	660	1460
AN05958	20	0.3	44	36	202	681
AN05959	6	0.7	260	39	1840	1680
AN05960	<5	0.3	14	104	69	194
AN05961	80	42.8	19390	14	132	132600
AN05962	14	0.3	88	42	51	529
AN05963	20	0.6	89	31	1140	730
AN05964	6	0.2	10	52	75	395
AN05965	18	2.4	219	107	17800	43800

Certifié par/Certified by C. Hillman

ASSAYERS
LABORATOIRES/LABORATORIES
DIVISION DE/OF ASSAYERS CORPORATION LTD.
780, AV. DU CUIVRE, C.P. 665, ROUYN-NORANDA (QUÉBEC) J9X 5C6 TÉL.: (819) 797-4653 FAX: (819) 797-4501

Certificat/Certificate

2R-2034-RG1

Comp: **FALCONBRIDGE LTD**
Proj: 8668
Attn: JIM AULTMAN

Date: DEC-02-92

Nombre D'Echantillons/No. of Samples: GA61-05
Soumis le/Submitted: NOV-25-92

No. D'Echantillon / Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
AN02901	29	-	-	50.8	2780	100	1012	95400
AN02902	74	-	-	0.5	52	44	3	530
AN02903	80	80	80	0.5	55	52	1	221
AN02904	53	50	56	0.4	55	58	ND	188
AN02905	38	-	-	0.2	29	43	ND	132
AN02906	33	-	-	0.4	46	56	1	122
AN02907	34	-	-	0.6	36	23	4	370
AN02908	18	-	-	0.3	40	24	3	214
AN02909	10	-	-	0.3	75	36	2	89
AN02910	16	-	-	0.2	32	33	6	38
AN02911	18	-	-	0.3	33	29	5	79
AN02912	6	-	-	0.3	80	35	1	293
AN02913	9	-	-	0.1	30	29	5	113
AN02914	8	-	-	0.2	52	23	3	785
AN02915	16	-	-	0.2	97	40	3	610
AN02916	16	-	-	0.2	71	32	3	350
AN02917	32	-	-	0.2	43	23	3	93
AN02918	14	-	-	0.2	25	28	4	84
AN02919	14	-	-	0.2	30	32	4	128
AN02920	6	-	-	0.2	20	40	3	86
AN02921	39	-	-	25.6	1970	78	692	65400
AN02922	12	-	-	0.1	26	33	6	118

Certifie par/Certified by C. Hellman

ASSAYERS
LABORATOIRES/LABORATORIES
DIVISION DE/OF ASSAYERS CORPORATION LTD.
780, AV. DU CUIVRE, C.P. 665, ROUYN-NORANDA (QUÉBEC) J9X 5C6 TÉL.: (819) 797-4653 FAX: (819) 797-4501

Certificat/Certificate

2R-2034-RG1

Comp: **FALCONBRIDGE LTD**
Proj: 8668
Attn: JIM AULTMAN

Date: DEC-02-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: NOV-25-92

No. D'Echantillon / Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
AN02901	29	-	-	50.8	2780	100	1012	95400
AN02902	74	-	-	0.5	52	44	3	530
AN02903	80	80	80	0.5	55	52	1	221
AN02904	53	50	56	0.4	55	58	ND	188
AN02905	38	-	-	0.2	29	43	ND	132
AN02906	33	-	-	0.4	46	56	1	122
AN02907	34	-	-	0.6	36	23	4	370
AN02908	18	-	-	0.3	40	24	3	214
AN02909	10	-	-	0.3	75	36	2	89
AN02910	16	-	-	0.2	32	33	6	38
AN02911	18	-	-	0.3	33	29	5	79
AN02912	6	-	-	0.3	80	35	1	293
AN02913	9	-	-	0.1	30	29	5	113
AN02914	8	-	-	0.2	52	23	3	785
AN02915	16	-	-	0.2	97	40	3	610
AN02916	16	-	-	0.2	71	32	3	350
AN02917	32	-	-	0.2	43	23	3	93
AN02918	14	-	-	0.2	25	28	4	84
AN02919	14	-	-	0.2	30	32	4	128
AN02920	6	-	-	0.2	20	40	3	86
AN02921	39	-	-	25.6	1970	78	692	65400
AN02922	12	-	-	0.1	26	33	6	118

Certifie par/Certified by C. Hallman

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ASSAYERS
LABORATOIRES/LABORATORIES
DIVISION DE/OF ASSAYERS CORPORATION LTD.
780, AV. DU CUIVRE, C.P. 665, ROUYN-NORANDA (QUÉBEC) J9X 5C6 TÉL.: (819) 797-4653 FAX: (819) 797-4501

Certificat/Certificate

2R-2034-RG2

Comp: **FALCONBRIDGE LTD**
Proj: 8668
Attn: JIM AULTMAN

Date: DEC-02-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: NOV-25-92

No. D'Echantillon / Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
AN02923	890	-	-	0.4	41	52	ND	100
AN02924	33	35	30	0.4	64	58	ND	206
AN02925	17	-	-	0.5	62	50	ND	207
AN02926	18	-	-	0.3	40	35	ND	316
AN02927	18	-	-	0.2	45	52	ND	181
AN02928	3	-	-	0.3	45	51	ND	237
AN02929	35	50	30	0.5	69	63	ND	276
AN02930	114	-	-	0.1	20	24	ND	176
AN05966	15	-	-	ND	34	50	ND	74
AN05967	16	-	-	ND	34	26	ND	76
AN05968	18	-	-	ND	34	28	ND	96
AN05969	12	-	-	ND	27	27	ND	157
AN05970	19	-	-	0.3	142	59	ND	102
AN05971	24	-	-	0.3	161	65	ND	110
AN05972	50	-	-	0.3	86	39	ND	126
AN05973	15	-	-	0.1	30	92	ND	68
AN05974	12	-	-	0.1	128	88	ND	137
AN05975	14	-	-	0.2	138	51	ND	2830
AN05976	17	-	-	0.1	167	54	ND	182
AN05977	70	-	-	ND	158	67	ND	142
AN05978	18	-	-	0.1	83	62	ND	140
AN05979	18	-	-	0.2	74	39	ND	155

Certifie par/Certified by C. Hullman

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ASSAYERS
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Certificat/Certificate

2R-2034-RG2

Comp: **FALCONBRIDGE LTD**
Proj: 8668
Attn: JIM AULTMAN

Date: DEC-02-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: NOV-25-92

No. D'Echantillon / Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
AN02923	890	-	-	0.4	41	52	ND	100
AN02924	33	35	30	0.4	64	58	ND	206
AN02925	17	-	-	0.5	62	50	ND	207
AN02926	18	-	-	0.3	40	35	ND	316
AN02927	18	-	-	0.2	45	52	ND	181
AN02928	3	-	-	0.3	45	51	ND	237
AN02929	35	50	30	0.5	69	63	ND	276
AN02930	114	-	-	0.1	20	24	ND	176
AN05966	15	-	-	ND	34	50	ND	74
AN05967	16	-	-	ND	34	26	ND	76
AN05968	18	-	-	ND	34	28	ND	96
AN05969	12	-	-	ND	27	27	ND	157
AN05970	19	-	-	0.3	142	59	ND	102
AN05971	24	-	-	0.3	161	65	ND	110
AN05972	50	-	-	0.3	86	39	ND	126
AN05973	15	-	-	0.1	30	92	ND	68
AN05974	12	-	-	0.1	128	88	ND	137
AN05975	14	-	-	0.2	138	51	ND	2830
AN05976	17	-	-	0.1	167	54	ND	182
AN05977	70	-	-	ND	158	67	ND	142
AN05978	18	-	-	0.1	83	62	ND	140
AN05979	18	-	-	0.2	74	39	ND	155

Certifie par/Certified by C. Hellman

ASSAYERS
LABORATOIRES/LABORATORIES
DIVISION DE/OF ASSAYERS CORPORATION LTD.
780, AV. DU CUIVRE, C.P. 665, ROUYN-NORANDA (QUÉBEC) J9X 5C6 TÉL.: (819) 797-4653 FAX: (819) 797-4501

Certificat/Certificate

2R-2034-RG3

Comp: **FALCONBRIDGE LTD**
Proj: 8668
Attn: JIM AULTMAN

Date: DEC-02-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: NOV-25-92

No. D'Echantillon / Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
AN05980	1540	-	-	0.6	105	55	3	195
AN05981	44	-	-	24.3	10100	24	74	64000
AN05982	210	-	-	0.1	56	37	2	330
AN05983	92	-	-	0.3	46	43	1	176
AN05984	90	-	-	0.2	64	36	2	73
AN05985	98	-	-	0.2	29	43	5	79
AN05986	51	52	50	0.5	109	73	7	310
AN05987	86	-	-	0.6	76	74	2	194
AN05988	90	-	-	0.4	73	78	5	229
AN05989	60	-	-	0.4	73	85	3	185
AN05990	101	120	82	0.4	515	81	4	154
AN05991	46	-	-	0.4	114	83	3	138
AN05992	14	-	-	0.1	33	44	ND	164
AN05993	10	-	-	ND	29	41	2	62
AN05994	98	-	-	0.2	37	48	ND	133
AN05995	181	-	-	0.2	37	56	ND	99
AN05996	61	-	-	0.3	48	53	1	198
AN05997	59	-	-	0.3	49	53	ND	262
AN05998	75	-	-	0.2	36	50	ND	196
AN05999	67	-	-	0.2	35	55	ND	288
AN06000	77	-	-	0.2	123	51	ND	212

Certifié par/Certified by C. Hulsman

ASSAYERS
LABORATOIRES/LABORATORIES
DIVISION DE/OF ASSAYERS CORPORATION LTD.
780, AV. DU CUIVRE, C.P. 665, ROUYN-NORANDA (QUÉBEC) J9X 5C6 TÉL.: (819) 797-4653 FAX: (819) 797-4501

Certificat/Certificate

2R-2034-RG3

Comp: FALCONBRIDGE LTD
Proj: 8668
Attn: JIM AULTMAN

Date: DEC-02-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: NOV-25-92

No. D'Echantillon / Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
ANO5980	1540	-	-	0.6	105	55	3	195
ANO5981	44	-	-	24.3	10100	24	74	64000
ANO5982	210	-	-	0.1	56	37	2	330
ANO5983	92	-	-	0.3	46	43	1	176
ANO5984	90	-	-	0.2	64	36	2	73
ANO5985	98	-	-	0.2	29	43	5	79
ANO5986	51	52	50	0.5	109	73	7	310
ANO5987	86	-	-	0.6	76	74	2	194
ANO5988	90	-	-	0.4	73	78	5	229
ANO5989	60	-	-	0.4	73	85	3	185
ANO5990	101	120	82	0.4	515	81	4	154
ANO5991	46	-	-	0.4	114	83	3	138
ANO5992	14	-	-	0.1	33	44	ND	164
ANO5993	10	-	-	ND	29	41	2	62
ANO5994	98	-	-	0.2	37	48	ND	133
ANO5995	181	-	-	0.2	37	56	ND	99
ANO5996	61	-	-	0.3	48	53	1	198
ANO5997	59	-	-	0.3	49	53	ND	262
ANO5998	75	-	-	0.2	36	50	ND	196
ANO5999	67	-	-	0.2	35	55	ND	288
ANO6000	77	-	-	0.2	123	51	ND	212

Certifie par/Certified by G Hallman

ASSAYERS
LABORATOIRES/LABORATORIES
DIVISION DE/OF ASSAYERS CORPORATION LTD.
780, AV. DU CUIVRE, C.P. 665, ROUYN-NORANDA (QUÉBEC) J9X 5C6 TÉL.: (819) 797-4653 FAX: (819) 797-4501

Certificat/Certificate

2R-2118-RG1

Comp: **FALCONBRIDGE LTD.**
Proj: 8668
Attn: JIM AULTMAN

Date: DEC-22-92

Nombre D'Echantillons/No. of Samples: GA61-04
Soumis le/Submitted: DEC-14-92

No. D'Echantillon / Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
AN06098	8	-	-	ND	41	81	7	112
AN06099	9	-	-	0.4	170	77	3	55
AN06100	6	-	-	ND	45	95	2	92
AN02988	12	-	-	ND	281	47	ND	72
AN02989	63	54	72	0.1	233	44	ND	73
AN02990	14	-	-	ND	314	46	ND	75
AN02991	6	-	-	0.2	302	105	ND	87
AN02992	14	-	-	0.3	374	141	ND	435
AN02993	18	-	-	0.2	335	110	ND	400
AN02994	14	-	-	0.1	368	79	ND	510
AN02995	16	-	-	0.2	520	159	ND	1060
AN02996	68	-	-	0.1	181	78	ND	130
AN02997	22	-	-	ND	225	78	ND	186
AN02998	12	-	-	ND	336	129	ND	155
AN02999	10	-	-	0.2	46	65	ND	170
AN03000	15	14	16	0.3	104	79	ND	575
AN03001	56	-	-	24.4	1250	53	376	29130
AN03002	26	32	20	0.3	71	62	9	377
AN03003	18	-	-	0.2	84	56	ND	640
AN03004	22	-	-	0.4	64	47	2	440
AN03005	18	-	-	1.2	52	42	976	1670
AN03019	9	-	-	0.6	30	22	723	430

Certifie par/Certified by _____

ASSAYERS
LABORATOIRES/LABORATORIES
DIVISION DE/OF ASSAYERS CORPORATION LTD.
780, AV. DU CUIVRE, C.P. 665, ROUYN-NORANDA (QUÉBEC) J9X 5C6 TÉL.: (819) 797-4653 FAX: (819) 797-4501

Certificat/Certificate

2R-2118-RG1

Comp: **FALCONBRIDGE LTD.**
Proj: 8668
Attn: JIM AULTMAN

Date: DEC-22-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: DEC-14-92

No. D'Echantillon / Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
ANO6098	8	-	-	ND	41	81	7	112
ANO6099	9	-	-	0.4	170	77	3	55
ANO6100	6	-	-	ND	45	95	2	92
ANO2988	12	-	-	ND	281	47	ND	72
ANO2989	63	54	72	0.1	233	44	ND	73
ANO2990	14	-	-	ND	314	46	ND	75
ANO2991	6	-	-	0.2	302	105	ND	87
ANO2992	14	-	-	0.3	374	141	ND	435
ANO2993	18	-	-	0.2	335	110	ND	400
ANO2994	14	-	-	0.1	368	79	ND	510
ANO2995	16	-	-	0.2	520	159	ND	1060
ANO2996	68	-	-	0.1	181	78	ND	130
ANO2997	22	-	-	ND	225	78	ND	186
ANO2998	12	-	-	ND	336	129	ND	155
ANO2999	10	-	-	0.2	46	65	ND	170
ANO3000	15	14	16	0.3	104	79	ND	575
ANO3001	56	-	-	24.4	1250	53	376	29130
ANO3002	26	32	20	0.3	71	62	9	377
ANO3003	18	-	-	0.2	84	56	ND	640
ANO3004	22	-	-	0.4	64	47	2	440
ANO3005	18	-	-	1.2	52	42	976	1670
ANO3019	9	-	-	0.6	30	22	723	430

Certifie par/Certified by _____

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ASSAYERS
LABORATOIRES/LABORATORIES
DIVISION DE/OF ASSAYERS CORPORATION LTD.
780, AV. DU CUIVRE, C.P. 665, ROUYN-NORANDA (QUÉBEC) J9X 5C6 TÉL.: (819) 797-4653 FAX: (819) 797-4501

Certificat/Certificate

2R-2118-RG2

Comp: **FALCONBRIDGE LTD.**
Proj: 8668
Attn: JIM AULTMAN

Date: DEC-31-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: DEC-14-92

No. D'Echantillon / Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
ANO3020	54	-	-	1.3	240	62	127	134
ANO3021	1380	1380	1380	4.2	*	4	40	175
ANO3022	42	-	-	1.1	180	55	322	725
ANO3023	16	-	-	0.3	58	22	20	215
ANO3024	10	-	-	ND	34	36	3	84
ANO3025	19	-	-	ND	8	93	9	91
ANO3026	44	-	-	2.2	400	113	5	194
ANO3027	32	-	-	221.2	51000	52	19230	24070
ANO3028	9	-	-	1.2	212	106	169	214
ANO3029	7	-	-	1.5	146	103	90	159
ANO3030	5	-	-	ND	47	30	10	68
ANO3031	6	-	-	ND	35	41	13	65
ANO3032	10	-	-	0.2	60	28	331	450
ANO3033	12	-	-	0.1	16	29	31	215
ANO3034	50	40	60	0.3	27	37	21	262
ANO3035	50	-	-	0.3	29	46	3	165
ANO3036	18	-	-	ND	14	31	10	112
ANO3037	30	-	-	0.3	26	28	592	1675
ANO3038	<5	-	-	ND	17	25	84	127
ANO3039	34	-	-	0.4	25	37	27	136
ANO3040	46	44	48	0.7	55	69	17	187
ANO3041	314	-	-	1.6	5700	3	36	240

*ANO3021 - CU >4500 PPM - NO PULP OR REJECT LEFT

Certifie par/Certified by _____

ASSAYERS
LABORATOIRES/LABORATORIES
DIVISION DE/OF ASSAYERS CORPORATION LTD.
780, AV. DU CUIVRE, C.P. 665, ROUYN-NORANDA (QUÉBEC) J9X 5C6 TÉL.: (819) 797-4653 FAX: (819) 797-4501

Certificat/Certificate

2R-2118-RG2

Comp: **FALCONBRIDGE LTD.**
Proj: 8668
Attn: JIM AULTMAN

Date: DEC-31-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: DEC-14-92

No. D'Echantillon / Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
ANO3020	54	-	-	1.3	240	62	127	134
ANO3021	1380	1380	1380	4.2	*	4	40	175
ANO3022	42	-	-	1.1	180	55	322	725
ANO3023	16	-	-	0.3	58	22	20	215
ANO3024	10	-	-	ND	34	36	3	84
ANO3025	19	-	-	ND	8	93	9	91
ANO3026	44	-	-	2.2	400	113	5	194
ANO3027	32	-	-	221.2	51000	52	19230	24070
ANO3028	9	-	-	1.2	212	106	169	214
ANO3029	7	-	-	1.5	146	103	90	159
ANO3030	5	-	-	ND	47	30	10	68
ANO3031	6	-	-	ND	35	41	13	65
ANO3032	10	-	-	0.2	60	28	331	450
ANO3033	12	-	-	0.1	16	29	31	215
ANO3034	50	40	60	0.3	27	37	21	262
ANO3035	50	-	-	0.3	29	46	3	165
ANO3036	18	-	-	ND	14	31	10	112
ANO3037	30	-	-	0.3	26	28	592	1675
ANO3038	<5	-	-	ND	17	25	84	127
ANO3039	34	-	-	0.4	25	37	27	136
ANO3040	46	44	48	0.7	55	69	17	187
ANO3041	314	-	-	1.6	5700	3	36	240

*ANO3021 - CU >4500 PPM - NO PULP OR REJECT LEFT

Certifie par/Certified by _____

ASSAYERS
LABORATOIRES/LABORATORIES
DIVISION DE/OF ASSAYERS CORPORATION LTD.
780, AV. DU CUIVRE, C.P. 665, ROUYN-NORANDA (QUÉBEC) J9X 5C6 TÉL.: (819) 797-4653 FAX: (819) 797-4501

Certificat/Certificate

2R-2118-RG3

Comp: **FALCONBRIDGE LTD.**
Proj: 8668
Attn: JIM AULTMAN

Date: DEC-21-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: DEC-14-92

No. D'Echantillon / Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
AN03042	57	58	56	0.4	47	56	3	113
AN03043	42	-	-	0.1	58	74	ND	112
AN03044	36	-	-	0.1	36	50	ND	122
AN03045	86	-	-	0.2	48	72	ND	159
AN03046	7	-	-	ND	10	29	9	76
AN03047	38	-	-	0.3	44	59	ND	128
AN03048	30	-	-	0.2	54	58	ND	197
AN03049	12	-	-	0.5	82	47	1	192
AN03050	6	-	-	ND	28	23	2	194
AN03051	10	-	-	ND	97	27	1	389
AN03052	<5	-	-	ND	79	26	3	90
AN03053	8	-	-	ND	295	34	19	264
AN03054	20	-	-	ND	78	89	1	72

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DIVISION DE/OF ASSAYERS CORPORATION LTD.
780, AV. DU CUIVRE, C.P. 665, ROUYN-NORANDA (QUÉBEC) J9X 5C6 TÉL.: (819) 797-4653 FAX: (819) 797-4501

Certificat/Certificate

2R-2118-RG3

Comp: **FALCONBRIDGE LTD.**
Proj: 8668
Attn: JIM AULTMAN

Date: DEC-21-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: DEC-14-92

No. D'Echantillon / Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
AN03042	57	58	56	0.4	47	56	3	113
AN03043	42	-	-	0.1	58	74	ND	112
AN03044	36	-	-	0.1	36	50	ND	122
AN03045	86	-	-	0.2	48	72	ND	159
AN03046	7	-	-	ND	10	29	9	76
AN03047	38	-	-	0.3	44	59	ND	128
AN03048	30	-	-	0.2	54	58	ND	197
AN03049	12	-	-	0.5	82	47	1	192
AN03050	6	-	-	ND	28	23	2	194
AN03051	10	-	-	ND	97	27	1	389
AN03052	<5	-	-	ND	79	26	3	90
AN03053	8	-	-	ND	295	34	19	264
AN03054	20	-	-	ND	78	89	1	72

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DIVISION DE/OF ASSAYERS CORPORATION LTD.
780, AV. DU CUIVRE, C.P. 665, ROUYN-NORANDA (QUÉBEC) J9X 5C6 TÉL.: (819) 797-4653 FAX: (819) 797-4501

Certificat/Certificate

2R-2078-RG1

Comp: **FALCONBRIDGE LTD.**
Proj: 8668
Attn: JIM AULTMAN

Date: DEC-20-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: DEC-03-92

GA61-03

No. D'Echantillon / Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
ANO2963	14	-	-	0.6	19	17	6	28
ANO2964	16	-	-	0.4	9	19	ND	64
ANO2965	10	-	-	0.2	18	15	4	36
ANO2966	12	-	-	ND	6	17	ND	101
ANO2967	60	-	-	0.6	33	22	1	51
ANO2968	66	-	-	0.4	51	38	1	54
ANO2969	22	-	-	0.2	28	19	ND	168
ANO2970	44	-	-	0.3	50	41	7	51
ANO2971	66	-	-	0.3	34	27	ND	84
ANO2972	42	-	-	0.3	47	39	3	116
ANO2973	39	-	-	0.2	47	41	2	102
ANO2974	58	-	-	0.3	39	29	1	133
ANO2975	106	100	112	0.3	45	34	ND	123
ANO2976	105	92	118	0.5	49	41	ND	198
ANO2977	126	136	116	0.5	39	33	ND	180
ANO2978	32	-	-	0.3	32	44	ND	182
ANO2979	88	-	-	0.5	50	41	1	260
ANO2980	16	-	-	0.3	24	31	ND	145
ANO2981	306	302	310	1.3	>4500	3	21	217
ANO2982	30	-	-	0.3	40	39	ND	81
ANO2983	32	-	-	0.4	110	26	2	138
ANO2984	6	-	-	0.5	136	30	25	270

*ANO2981 - CU >4500 PPM - NO PULP OR REJECT LEFT

Certifie par/Certified by _____

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DIVISION DE/OF ASSAYERS CORPORATION LTD.
780, AV. DU CUIVRE, C.P. 665, ROUYN-NORANDA (QUÉBEC) J9X 5C6 TÉL.: (819) 797-4653 FAX: (819) 797-4501

Certificat/Certificate

2R-2078-RG1

Comp: **FALCONBRIDGE LTD.**
Proj: 8668
Attn: JIM AULTMAN

Date: DEC-20-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: DEC-03-92

No. D'Echantillon / Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
ANO2963	14	-	-	0.6	19	17	6	28
ANO2964	16	-	-	0.4	9	19	ND	64
ANO2965	10	-	-	0.2	18	15	4	36
ANO2966	12	-	-	ND	6	17	ND	101
ANO2967	60	-	-	0.6	33	22	1	51
ANO2968	66	-	-	0.4	51	38	1	54
ANO2969	22	-	-	0.2	28	19	ND	168
ANO2970	44	-	-	0.3	50	41	7	51
ANO2971	66	-	-	0.3	34	27	ND	84
ANO2972	42	-	-	0.3	47	39	3	116
ANO2973	39	-	-	0.2	47	41	2	102
ANO2974	58	-	-	0.3	39	29	1	133
ANO2975	106	100	112	0.3	45	34	ND	123
ANO2976	105	92	118	0.5	49	41	ND	198
ANO2977	126	136	116	0.5	39	33	ND	180
ANO2978	32	-	-	0.3	32	44	ND	182
ANO2979	88	-	-	0.5	50	41	1	260
ANO2980	16	-	-	0.3	24	31	ND	145
ANO2981	306	302	310	1.3	>4500	3	21	217
ANO2982	30	-	-	0.3	40	39	ND	81
ANO2983	32	-	-	0.4	110	26	2	138
ANO2984	6	-	-	0.5	136	30	25	270

*ANO2981 - CU >4500 PPM - NO PULP OR REJECT LEFT

Certifie par/Certified by _____

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DIVISION DE/OF ASSAYERS CORPORATION LTD.
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Certificat/Certificate

2R-2078-RG2

Comp: **FALCONBRIDGE LTD.**
Proj: 8668
Attn: JIM AULTMAN

Date: DEC-15-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: DEC-03-92

No. D'Echantillon / Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
AN02985	22	-	-	0.5	184	34	7	190
AN02986	<5	<5	<5	0.4	63	27	8	137
AN02987	8	-	-	0.2	58	46	ND	72

Certifie par/Certified by _____

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Certificat/Certificate

2R-2078-RG2

Comp: **FALCONBRIDGE LTD.**
Proj: 8668
Attn: JIM AULTMAN

Date: DEC-15-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: DEC-03-92

No. D'Echantillon / Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
AN02985	22	-	-	0.5	184	34	7	190
AN02986	<5	<5	<5	0.4	63	27	8	137
AN02987	8	-	-	0.2	58	46	ND	72

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Certificat/Certificate

2R-1938-RG1

Comp: **FALCONBRIDGE LTD.**
Proj: 8668
Attn: JIM AULTMAN

Date: NOV-16-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: NOV-06-92

~~HHO~~ GA61-02

No. D'Echantillon / Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
AN05684	5	-	-	0.2	8	13	533	35
AN05685	<5	-	-	0.2	9	14	1433	5930
AN05686	<5	-	-	0.1	15	69	757	410
AN05687	<5	-	-	0.1	11	13	56	75
AN05688	<5	-	-	0.2	17	18	38	67
AN05689	<5	-	-	0.1	18	13	29	52
AN05690	31	34	28	0.2	17	25	45	122
AN05691	52	52	52	0.1	32	45	54	164
AN05692	76	-	-	0.3	42	52	63	157
AN05693	78	-	-	0.3	58	78	63	216
AN05694	64	-	-	0.2	38	45	61	287
AN05695	68	-	-	0.2	54	40	58	138
AN05696	28	-	-	0.1	19	40	37	60
AN05697	70	-	-	0.3	40	59	57	140
AN05698	74	-	-	0.3	46	46	56	520
AN05699	90	-	-	0.4	44	51	60	190
AN05700	10	-	-	ND	15	18	27	39
AN05639	70	-	-	0.4	46	52	54	202
AN05640	18	-	-	0.2	26	33	33	133
AN05641	50	-	-	14.6	9510	17	128	68800
AN05642	108	-	-	0.6	32	53	55	82
AN05643	6	-	-	0.3	54	58	21	125

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Certificat/Certificate

2R-1938-RG1

Comp: **FALCONBRIDGE LTD.**
Proj: 8668
Attn: JIM AULTMAN

Date: NOV-16-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: NOV-06-92

No. D'Echantillon / Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
AN05684	5	-	-	0.2	8	13	533	35
AN05685	<5	-	-	0.2	9	14	1433	5930
AN05686	<5	-	-	0.1	15	69	757	410
AN05687	<5	-	-	0.1	11	13	56	75
AN05688	<5	-	-	0.2	17	18	38	67
AN05689	<5	-	-	0.1	18	13	29	52
AN05690	31	34	28	0.2	17	25	45	122
AN05691	52	52	52	0.1	32	45	54	164
AN05692	76	-	-	0.3	42	52	63	157
AN05693	78	-	-	0.3	58	78	63	216
AN05694	64	-	-	0.2	38	45	61	287
AN05695	68	-	-	0.2	54	40	58	138
AN05696	28	-	-	0.1	19	40	37	60
AN05697	70	-	-	0.3	40	59	57	140
AN05698	74	-	-	0.3	46	46	56	520
AN05699	90	-	-	0.4	44	51	60	190
AN05700	10	-	-	ND	15	18	27	39
AN05639	70	-	-	0.4	46	52	54	202
AN05640	18	-	-	0.2	26	33	33	133
AN05641	50	-	-	14.6	9510	17	128	68800
AN05642	108	-	-	0.6	32	53	55	82
AN05643	6	-	-	0.3	54	58	21	125

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Certificat/Certificate

2R-1938-RG2

Comp: **FALCONBRIDGE LTD.**
Proj: 8668
Attn: JIM AULTMAN

Date: NOV-16-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: NOV-06-92

No. D'Echantillon / Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
AN05644	8	-	-	0.1	8	20	14	45
AN05645	46	-	-	1.5	770	100	47	880
AN05646	10	-	-	0.2	155	44	31	162
AN05647	7	-	-	0.5	330	67	43	134
AN05648	9	-	-	0.3	82	90	31	78
AN05649	16	14	18	1.0	530	106	52	56
AN05650	22	-	-	2.5	1020	124	49	1080
AN05743	10	-	-	0.7	280	62	82	367
AN05744	20	-	-	0.3	350	48	34	70
AN05745	13	-	-	ND	230	36	26	36
AN05746	30	-	-	ND	148	69	24	58
AN05747	10	-	-	ND	80	89	30	140
AN05748	16	-	-	0.2	175	144	31	110
AN05749	13	10	16	0.2	290	1323	40	57
AN05750	6	-	-	0.1	44	63	27	100
AM06871	14	-	-	0.5	940	360	45	197
AM06872	13	-	-	0.1	182	143	24	21
AM06873	<5	-	-	0.1	18	50	38	305
AM06874	14	-	-	0.6	700	168	56	1110
AM06875	<5	-	-	0.2	49	11	23	40
AM06876	12	-	-	0.9	630	89	54	1380
AM06877	5	-	-	0.1	68	12	20	41

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Certificat/Certificate

2R-1938-RG2

Comp: **FALCONBRIDGE LTD.**
Proj: 8668
Attn: JIM AULTMAN

Date: NOV-16-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: NOV-06-92

No. D'Echantillon / Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
AN05644	8	-	-	0.1	8	20	14	45
AN05645	46	-	-	1.5	770	100	47	880
AN05646	10	-	-	0.2	155	44	31	162
AN05647	7	-	-	0.5	330	67	43	134
AN05648	9	-	-	0.3	82	90	31	78
AN05649	16	14	18	1.0	530	106	52	56
AN05650	22	-	-	2.5	1020	124	49	1080
AN05743	10	-	-	0.7	280	62	82	367
AN05744	20	-	-	0.3	350	48	34	70
AN05745	13	-	-	ND	230	36	26	36
AN05746	30	-	-	ND	148	69	24	58
AN05747	10	-	-	ND	80	89	30	140
AN05748	16	-	-	0.2	175	144	31	110
AN05749	13	10	16	0.2	290	1323	40	57
AN05750	6	-	-	0.1	44	63	27	100
AM06871	14	-	-	0.5	940	360	45	197
AM06872	13	-	-	0.1	182	143	24	21
AM06873	<5	-	-	0.1	18	50	38	305
AM06874	14	-	-	0.6	700	168	56	1110
AM06875	<5	-	-	0.2	49	11	23	40
AM06876	12	-	-	0.9	630	89	54	1380
AM06877	5	-	-	0.1	68	12	20	41

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780, AV. DU CUIVRE, C.P. 665, ROUYN-NORANDA (QUÉBEC) J9X 5C6 TÉL.: (819) 797-4653 FAX: (819) 797-4501

Certificat/Certificate

2R-1938-RG3

Comp: **FALCONBRIDGE LTD.**
Proj: 8668
Attn: JIM AULTMAN

Date: NOV-16-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: NOV-06-92

No. D'Echantillon / Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
AM06878	14	-	-	0.8	520	61	37	1420
AM06879	8	-	-	0.2	85	19	21	54
AM06880	8	-	-	0.3	143	24	27	251
AM06881	1268	1302	1234	4.8	12600	9	60	172
AM06882	28	-	-	1.6	1040	103	45	1200
AM06883	7	-	-	0.3	115	61	29	218
AM06884	34	-	-	0.5	290	109	45	640
AM06885	6	-	-	0.2	63	111	25	67

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DIVISION DE/OF ASSAYERS CORPORATION LTD.
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Certificat/Certificate

2R-1938-RG3

Comp: **FALCONBRIDGE LTD.**
Proj: 8668
Attn: JIM AULTMAN

Date: NOV-16-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: NOV-06-92

No. D'Echantillon / Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
AM06878	14	-	-	0.8	520	61	37	1420
AM06879	8	-	-	0.2	85	19	21	54
AM06880	8	-	-	0.3	143	24	27	251
AM06881	1268	1302	1234	4.8	12600	9	60	172
AM06882	28	-	-	1.6	1040	103	45	1200
AM06883	7	-	-	0.3	115	61	29	218
AM06884	34	-	-	0.5	290	109	45	640
AM06885	6	-	-	0.2	63	111	25	67

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780, AV. DU CUIVRE, C.P. 665, ROUYN-NORANDA (QUÉBEC) J9X 5C6 TÉL.: (819) 797-4653 FAX: (819) 797-4501

Certificat/Certificate

2R-1764-RG1

Comp: **FALCONBRIDGE LTD.**
Proj: 8668
Attn: JIM AULTMAN

Date: NOV-07-92

Nombre D'Echantillons/No. of Samples: GAG1-01
Soumis le/Submitted: OCT-14-92

No. D'Echantillon / Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
AMD6922	16			0.1	28	21	36	180
AMD6923	44			ND	16	20	1	44
AMD6924	5			ND	19	18	11	107
AMD6925	46			0.7	250	90	328	1600
AMD6926	28			0.3	160	68	12	166
AMD6927	5			ND	33	32	11	108
AMD6928	6			ND	18	25	1	54
AMD6929	12			ND	162	59	4	110
AMD6930	8			ND	96	57	ND	43
AMD6931	19			ND	104	36	ND	87
AMD6932	45	40	50	1.4	1140	49	13	2640
AMD6933	29			2.4	340	41	37	2050
AMD6934	55			9.3	7100	34	19800	30200
AMD6935	8			1.3	760	23	4500	8100
AMD6936	30			5.0	1650	25	41200	46600
AMD6937	10			0.3	160	32	1487	1500
AMD6938	17			0.2	92	30	316	530
AMD6939	9			0.3	101	21	221	700
AMD6940	26			6.4	1010	32	14460	22800
AMD6941	40	44	36	12.8	8675	14	105	61400
AMD6942	9			2.3	540	24	7030	44400
AMD6943	54			9.2	6450	20	13400	31800

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J.J. Landers

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DIVISION DE/OF ASSAYERS CORPORATION LTD.
780, AV. DU CUIVRE, C.P. 665, ROUYN-NORANDA (QUÉBEC) J9X 5C6 TÉL.: (819) 797-4653 FAX: (819) 797-4501

Certificat/Certificate

2R-1764-RG1

Comp: **FALCONBRIDGE LTD.**
Proj: 8668
Attn: JIM AULTMAN

Date: NOV-07-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: OCT-14-92

No. D'Echantillon / Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
AM06922	16			0.1	28	21	36	180
AM06923	44			ND	16	20	1	44
AM06924	5			ND	19	18	11	107
AM06925	46			0.7	250	90	328	1600
AM06926	28			0.3	160	68	12	166
AM06927	5			ND	33	32	11	108
AM06928	6			ND	18	25	1	54
AM06929	12			ND	162	59	4	110
AM06930	8			ND	96	57	ND	43
AM06931	19			ND	104	36	ND	87
AM06932	45	40	50	1.4	1140	49	13	2640
AM06933	29			2.4	340	41	37	2050
AM06934	55			9.3	7100	34	19800	30200
AM06935	8			1.3	760	23	4500	8100
AM06936	30			5.0	1650	25	41200	46600
AM06937	10			0.3	160	32	1487	1500
AM06938	17			0.2	92	30	316	530
AM06939	9			0.3	101	21	221	700
AM06940	26			6.4	1010	32	14460	22800
AM06941	40	44	36	12.8	8675	14	105	61400
AM06942	9			2.3	540	24	7030	44400
AM06943	54			9.2	6450	20	13400	31800

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Certifie par/Certified by _____

J.J. Landers

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LABORATOIRES/LABORATORIES
DIVISION DE/OF ASSAYERS CORPORATION LTD.
780, AV. DU CUIVRE, C.P. 665, ROUYN-NORANDA (QUÉBEC) J9X 5C6 TÉL.: (819) 797-4653 .FAX: (819) 797-4501

Certificat/Certificate

2R-1764-RG2

Comp: **FALCONBRIDGE LTD.**
Proj: 8668
Attn: JIM AULTMAN

Date: OCT-21-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: OCT-14-92

No. D'Echantillon / Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
AM06944	6			0.3	138	50	288	800
AM06945	28			0.8	78	51	1216	1480
AM06946	8			1.1	240	14	11300	10800
AM06947	<5			9.6	3210	73	14300	37400
AM06948	5			2.5	410	19	5700	14800
AM06949	8			0.7	99	4	1282	2950
AM06950	16			0.9	165	5	3600	4440
AM06951	12			0.8	45	7	426	1350
AM06952	8			2.5	700	42	4000	11000
AM06953	6			0.7	86	6	396	1600
AM06954	<5			0.7	60	6	146	550
AM06955	14			2.0	290	22	5100	14200
AM06956	<5			0.9	81	5	415	1350
AM06957	9			5.1	2390	30	11600	19500
AM06958	43			0.9	105	7	1036	2450
AM06959	28			0.6	47	4	116	250
AM06960	48			1.2	68	19	3000	4130
AM06961	16			10.2	9080	11	86	62400
AM06962	60			1.6	241	40	146	750
AM06963	25			0.4	132	73	96	224

Certifié par/Certified by _____

J.J. Landers

CTA

ASSAYERS
LABORATOIRES/LABORATORIES
DIVISION DE/OF ASSAYERS CORPORATION LTD.
780, AV. DU CUIVRE, C.P. 665, ROUYN-NORANDA (QUÉBEC) J9X 5C6 TÉL.: (819) 797-4653 FAX: (819) 797-4501

Certificat/Certificate

2R-1764-RG2

Comp: **FALCONBRIDGE LTD.**
Proj: 8668
Attn: JIM AULTMAN

Date: OCT-21-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: OCT-14-92

No. D'Echantillon / Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AG PPM	CU PPM	NI PPM	PB PPM	ZN PPM
AM06944	6			0.3	138	50	288	800
AM06945	28			0.8	78	51	1216	1480
AM06946	8			1.1	240	14	11300	10800
AM06947	<5			9.6	3210	73	14300	37400
AM06948	5			2.5	410	19	5700	14800
AM06949	8			0.7	99	4	1282	2950
AM06950	16			0.9	165	5	3600	4440
AM06951	12			0.8	45	7	426	1350
AM06952	8			2.5	700	42	4000	11000
AM06953	6			0.7	86	6	396	1600
AM06954	<5			0.7	60	6	146	550
AM06955	14			2.0	290	22	5100	14200
AM06956	<5			0.9	81	5	415	1350
AM06957	9			5.1	2390	30	11600	19500
AM06958	43			0.9	105	7	1036	2450
AM06959	28			0.6	47	4	116	250
AM06960	48			1.2	68	19	3000	4130
AM06961	16			10.2	9080	11	86	62400
AM06962	60			1.6	241	40	146	750
AM06963	25			0.4	132	73	96	224

Certifie par/Certified by _____

J.J. Landers

Laboratoires TSL/ASSAYERS Laboratories

780 AV. DU CUIVRE C.P. 665 ROUYN-NORANDA QUEBEC J9X 5C6

PHONE #: 819-797-4653 FAX #: 819-797-4501

FALCONBRIDGE LTD
TIMMINS
2R-1967-RG1
ATTN:JIM AULTMAN
PROJ.:8668

REPORT No. : T2201
Page No. : 1 of 1
File No. : NO25RA
Date : DEC-02-1992
Oxides in % - Minors ppm

I.C.A.P. WHOLE ROCK ANALYSIS

Lithium MetaBorate Fusion

MN46.01

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 %	S ppm
AN05901	70.65	15.25	4.33	3.77	2.33	0.53	0.88	0.34	0.16	0.14	0.040	138	8	10	25	20	< 5	2.44	100.85	500
AN05902	66.35	13.05	9.83	3.62	2.67	0.24	1.30	0.29	0.44	0.10	0.030	118	6	15	25	10	< 5	2.79	100.72	300
AN05903	65.44	15.22	6.13	5.04	2.86	0.64	1.36	0.32	0.24	0.12	0.040	152	6	15	30	10	< 5	2.88	100.28	< 100
AN05904	72.99	15.84	1.35	3.35	1.06	2.23	1.76	0.34	0.04	0.12	0.050	144	8	20	35	10	< 5	1.66	100.79	200
AN05905	64.35	12.84	9.15	4.72	3.40	0.57	0.50	0.33	0.50	0.12	0.030	100	10	15	25	20	< 5	4.02	100.53	600
AN05906	66.40	14.39	6.93	4.62	2.89	0.37	0.26	0.31	0.28	0.12	0.055	70	4	15	15	10	< 5	2.70	99.31	300
AN05907	69.80	16.93	3.44	3.61	1.93	0.49	1.20	0.50	0.13	0.12	0.035	130	12	20	25	30	< 5	2.42	100.60	200
AN05908	74.19	16.28	1.03	2.56	0.54	1.53	2.12	0.36	0.03	0.14	0.035	148	10	10	25	10	< 5	1.96	100.77	200
AN05909	73.69	13.97	1.73	4.03	2.17	0.19	0.40	0.28	0.08	0.10	0.025	102	4	25	15	10	< 5	2.85	99.49	300
AN05910	75.65	13.57	0.84	2.91	1.86	0.19	0.30	0.26	0.03	0.08	0.025	100	4	15	10	20	< 5	2.08	97.78	400
AN05911	71.36	16.06	1.36	3.14	1.68	0.82	1.38	0.35	0.05	0.12	0.030	122	4	10	35	10	< 5	2.25	98.60	< 100
AN05912	68.95	13.75	5.06	5.05	2.80	0.34	1.40	0.28	0.20	0.10	0.050	110	6	15	10	< 10	< 5	2.54	100.52	400
AN05913	72.18	15.69	1.76	2.98	2.21	0.43	1.74	0.37	0.05	0.14	0.020	114	6	10	15	20	< 5	2.40	99.97	700
AN05914	71.36	15.39	2.78	4.17	2.00	0.53	1.30	0.32	0.10	0.10	0.050	110	6	10	15	20	< 5	2.35	100.47	200
AN05915	70.21	14.40	3.96	3.85	2.11	0.48	2.24	0.31	0.14	0.10	0.035	106	6	35	15	10	< 5	2.78	100.61	300

SIGNED :

TSL/92

FALCONBRIDGE LTD
TIMMINS
2R-1967-RG1
ATTN:JIM AULTMAN
PROJ.:8668

Laboratoires TSL/SAYERS Laboratories
780 AV. DU CUIVRE C.P. 665 ROUYN-NORANDA QUEBEC J9X 5C6
PHONE #: 819-797-4653 FAX #: 819-797-4501

REPORT No. : T2201
Page No. : 1 of 1
File No. : NO25RA
Date : DEC-02-1992
Oxides in % - Minors ppm

I.C.A.P. WHOLE ROCK ANALYSIS

Lithium MetaBorate Fusion

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 %	S ppm
\NO5901	70.65	15.25	4.33	3.77	2.33	0.53	0.88	0.34	0.16	0.14	0.040	138	8	10	25	20	< 5	2.44	100.85	500
\NO5902	66.35	13.05	9.83	3.62	2.67	0.24	1.30	0.29	0.44	0.10	0.030	118	6	15	25	10	< 5	2.79	100.72	300
\NO5903	65.44	15.22	6.13	5.04	2.86	0.64	1.36	0.32	0.24	0.12	0.040	152	6	15	30	10	< 5	2.88	100.28	< 100
\NO5904	72.99	15.84	1.35	3.35	1.06	2.23	1.76	0.34	0.04	0.12	0.050	144	8	20	35	10	< 5	1.66	100.79	200
\NO5905	64.35	12.84	9.15	4.72	3.40	0.57	0.50	0.33	0.50	0.12	0.030	100	10	15	25	20	< 5	4.02	100.53	600
\NO5906	66.40	14.39	6.93	4.62	2.89	0.37	0.26	0.31	0.28	0.12	0.055	70	4	15	15	10	< 5	2.70	99.31	300
\NO5907	69.80	16.93	3.44	3.61	1.93	0.49	1.20	0.50	0.13	0.12	0.035	130	12	20	25	30	< 5	2.42	100.60	200
\NO5908	74.19	16.28	1.03	2.56	0.54	1.53	2.12	0.36	0.03	0.14	0.035	148	10	10	25	10	< 5	1.96	100.77	200
\NO5909	73.69	13.97	1.73	4.03	2.17	0.19	0.40	0.28	0.08	0.10	0.025	102	4	25	15	10	< 5	2.85	99.49	300
\NO5910	75.65	13.57	0.84	2.91	1.86	0.19	0.30	0.26	0.03	0.08	0.025	100	4	15	10	20	< 5	2.08	97.78	400
\NO5911	71.36	16.06	1.36	3.14	1.68	0.82	1.38	0.35	0.05	0.12	0.030	122	4	10	35	10	< 5	2.25	98.60	< 100
\NO5912	68.95	13.75	5.06	5.05	2.80	0.34	1.40	0.28	0.20	0.10	0.050	110	6	15	10	< 10	< 5	2.54	100.52	400
\NO5913	72.18	15.69	1.76	2.98	2.21	0.43	1.74	0.37	0.05	0.14	0.020	114	6	10	15	20	< 5	2.40	99.97	700
\NO5914	71.36	15.39	2.78	4.17	2.00	0.53	1.30	0.32	0.10	0.10	0.050	110	6	10	15	20	< 5	2.35	100.47	200
\NO5915	70.21	14.40	3.96	3.85	2.11	0.48	2.24	0.31	0.14	0.10	0.035	106	6	35	15	10	< 5	2.78	100.61	300

SIGNED :

TSL/92

Laboratoires TSL/ASSAYERS Laboratories
780 AV. DU CUIVRE C.P. [illegible] ROUYN-NORANDA QUEBEC J9X 5C6
PHONE #: 819-797-4653 FAX #: 819-797-4501

FALCONBRIDGE LTD

2R-1654-RG1
ATTN:JIM AULTMAN
PROJ.:8231

Oct. 5/92
Same #'s cause lower as Assays

REPORT No. : T2083
Page No. : 1 of 1
File No. : OC06RA
Date : OCT-27-19[illegible]
Oxides in % - Minors ppm

I.C.A.P. WHOLE ROCK ANALYSIS

Lithium MetaBorate Fusion

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 %	S ppm
AM07176	49.19	12.63	19.55	8.62	5.35	1.65	0.30	1.71	0.29	0.14	0.045	102	44	45	160	40	40	0.90	100.39	1200
AM07177	53.16	12.32	15.77	7.10	4.85	2.92	0.38	1.70	0.25	0.16	0.090	136	46	65	170	40	40	0.61	99.32	1500
AM07178	55.88	14.39	12.24	5.13	4.85	2.74	0.34	1.30	0.14	0.26	0.040	158	54	20	105	60	25	3.60	100.90	300
AM07179	53.29	12.74	16.87	3.61	4.56	4.01	0.26	1.77	0.23	0.20	0.025	136	54	25	150	20	35	1.55	99.10	700
AM07180	53.45	13.14	12.10	6.30	4.96	2.03	0.88	1.25	0.14	0.26	0.045	148	52	35	115	50	25	5.83	100.39	800
AM07181	53.96	12.21	17.31	7.39	4.11	2.54	0.48	1.77	0.25	0.16	0.070	132	50	160	290	50	50	0.62	100.88	3600
AM07182	51.94	12.86	14.70	8.67	5.67	2.14	0.36	1.42	0.18	0.12	0.050	92	38	95	95	60	45	1.35	99.43	200
AM07183	53.83	12.18	15.71	7.44	4.62	3.39	0.26	1.77	0.20	0.16	0.030	126	44	40	110	50	30	0.48	100.08	900
AM07184	63.88	11.60	11.04	7.14	2.02	2.22	0.22	1.33	0.15	0.20	0.115	174	58	85	220	40	25	0.34	100.25	700
AM07185	58.16	13.60	12.32	3.12	2.32	4.38	2.00	1.82	0.14	0.18	0.040	144	50	35	110	20	35	1.70	99.78	4000
AM07186	75.24	13.27	2.82	1.65	0.30	4.14	1.82	0.21	0.04	0.06	0.065	24	30	5	25	< 10	< 5	0.76	100.38	400
AM07187	54.11	12.44	10.45	9.25	4.44	3.29	0.32	1.70	0.11	0.24	0.040	140	60	5	60	30	20	2.30	98.70	800
AM07188	49.54	16.52	17.83	0.21	1.89	1.14	3.76	2.83	0.05	0.20	0.025	316	32	2210	195	50	20	5.17	99.15	3800
AM07189	56.15	13.33	13.70	4.93	4.58	2.37	0.16	1.56	0.10	0.34	0.025	184	68	40	40	30	30	3.61	100.85	6900
AM07190	55.40	12.12	14.84	6.70	3.47	2.45	0.52	1.84	0.18	0.32	0.045	196	72	50	115	< 10	20	0.79	98.67	800
AM07191	45.87	14.83	15.48	8.53	6.11	3.25	1.18	3.07	0.21	0.72	0.030	162	26	25	145	80	50	0.26	99.52	700
AM07192	54.04	11.94	13.41	4.99	3.97	2.39	0.22	1.64	0.23	0.18	0.025	140	48	85	140	30	40	5.20	98.24	600
AM07193	51.05	18.65	8.35	6.91	4.56	3.34	1.08	0.49	0.12	0.14	0.030	66	30	5	35	80	30	3.78	98.50	200
AM07194	67.40	14.90	4.45	2.69	1.15	4.64	1.16	0.57	0.05	0.16	0.100	176	18	< 5	65	10	15	0.74	98.01	300

SIGNED : [signature]

TSL/92

FALCONBRIDGE LTD

2R-1654-RG1
ATTN:JIM AULTMAN
PROJ.:8231

Laboratoires TSL ASSAYERS Laboratories
780 AV. DU CUIVRE C.P. 665 ROUYN-NORANDA QUEBEC J9X 5C6
PHONE #: 819-797-4653 FAX #: 819-797-4501

REPORT No. : T2083
Page No. : 1 of 1
File No. : OC06RA
Date : OCT-27-19
Oxides in % - Minors ppm

I.C.A.P. WHOLE ROCK ANALYSIS

Lithium MetaBorate Fusion

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 %	S ppm
AM07176	49.19	12.63	19.55	8.62	5.35	1.65	0.30	1.71	0.29	0.14	0.045	102	44	45	160	40	40	0.90	100.39	1200
AM07177	53.16	12.32	15.77	7.10	4.85	2.92	0.38	1.70	0.25	0.16	0.090	136	46	65	170	40	40	0.61	99.32	1500
AM07178	55.88	14.39	12.24	5.13	4.85	2.74	0.34	1.30	0.14	0.26	0.040	158	54	20	105	60	25	3.60	100.90	300
AM07179	53.29	12.74	16.87	3.61	4.56	4.01	0.26	1.77	0.23	0.20	0.025	136	54	25	150	20	35	1.55	99.10	700
AM07180	53.45	13.14	12.10	6.30	4.96	2.03	0.88	1.25	0.14	0.26	0.045	148	52	35	115	50	25	5.83	100.39	800
AM07181	53.96	12.21	17.31	7.39	4.11	2.54	0.48	1.77	0.25	0.16	0.070	132	50	160	290	50	50	0.62	100.88	3600
AM07182	51.94	12.86	14.70	8.67	5.67	2.14	0.36	1.42	0.18	0.12	0.050	92	38	95	95	60	45	1.35	99.43	200
AM07183	53.83	12.18	15.71	7.44	4.62	3.39	0.26	1.77	0.20	0.16	0.030	126	44	40	110	50	30	0.48	100.08	900
AM07184	63.88	11.60	11.04	7.14	2.02	2.22	0.22	1.33	0.15	0.20	0.115	174	58	85	220	40	25	0.34	100.25	700
AM07185	58.16	13.60	12.32	3.12	2.32	4.38	2.00	1.82	0.14	0.18	0.040	144	50	35	110	20	35	1.70	99.78	4000
AM07186	75.24	13.27	2.82	1.65	0.30	4.14	1.82	0.21	0.04	0.06	0.065	24	30	5	25	< 10	< 5	0.76	100.38	400
AM07187	54.11	12.44	10.45	9.25	4.44	3.29	0.32	1.70	0.11	0.24	0.040	140	60	5	60	30	20	2.30	98.70	800
AM07188	49.54	16.52	17.83	0.21	1.89	1.14	3.76	2.83	0.05	0.20	0.025	316	32	2210	195	50	20	5.17	99.15	3800
AM07189	56.15	13.33	13.70	4.93	4.58	2.37	0.16	1.56	0.10	0.34	0.025	184	68	40	40	30	30	3.61	100.85	6900
AM07190	55.40	12.12	14.84	6.70	3.47	2.45	0.52	1.84	0.18	0.32	0.045	196	72	50	115	< 10	20	0.79	98.67	800
AM07191	45.87	14.83	15.48	8.53	6.11	3.25	1.18	3.07	0.21	0.72	0.030	162	26	25	145	80	50	0.26	99.52	700
AM07192	54.04	11.94	13.41	4.99	3.97	2.39	0.22	1.64	0.23	0.18	0.025	140	48	85	140	30	40	5.20	98.24	600
AM07193	51.05	18.65	8.35	6.91	4.56	3.34	1.08	0.49	0.12	0.14	0.030	66	30	5	35	80	30	3.78	98.50	200
AM07194	67.40	14.90	4.45	2.69	1.15	4.64	1.16	0.57	0.05	0.16	0.100	176	18	< 5	65	10	15	0.74	98.01	300

SIGNED : W Pisa

TSL/92

FALCONBRIDGE LTD
TIMMINS
2R-2106-RG1
ATTN:JIM AULTMAN
PROJ.:8668

Laboratoires TSL/ASSAYERS Laboratories
780 AV. DU CUIVRE C.P. [illegible] ROUYN-NORANDA QUEBEC J9X 5C6
PHONE #: 819-797-4653 FAX #: 819-797-4501

REPORT No. : T2256
Page No. : 1 of 1
File No. : DE21RA
Date : JAN-06-19[illegible]
Oxides in % - Minors ppm

I.C.A.P. WHOLE ROCK ANALYSIS

Lithium MetaBorate Fusion

SAMPLE #	SiO2 %	Al2O3 %	Fe2O3 %	CaO %	MgO %	Na2O %	K2O %	TiO2 %	MnO %	P2O5 %	Cr2O3 %	Zr ppm	Y ppm	Cu ppm	Zn ppm	Ni ppm	Co ppm	Ba ppm	LOI %	TOTAL %	S ppm
AN03164	44.69	9.27	8.91	8.74	11.21	1.47	2.28	0.67	0.15	0.30	0.120	88	14	55	50	180	40	1060	12.68	100.36	1500
AN03165	76.36	14.71	2.21	1.41	1.17	0.33	2.28	0.34	0.04	0.12	0.085	150	8	160	65	30	< 5	190	1.92	100.88	500

TSL/93

SIGNED : [signature]

FALCONBRIDGE LTD
TIMMINS
2R-2106-RG1
ATTN:JIM AULTMAN
PROJ.:8668

Laboratoires TSL/ASSAYERS Laboratories

780 AV. DU CUIVRE C.P. ROUYN-NORANDA QUEBEC J9X 5C6
PHONE #: 819-797-4653 FAX #: 819-797-4501

REPORT No. : T22[illegible]6
Page No. : 1 *of* 1
File No. : DE21RA
Date : JAN-06-19[illegible]
Oxides in % - Minors ppm

I.C.A.P. WHOLE ROCK ANALYSIS

Lithium MetaBorate Fusion

SAMPLE #	SiO2 %	Al2O3 %	Fe2O3 %	CaO %	MgO %	Na2O %	K2O %	TiO2 %	MnO %	P2O5 %	Cr2O3 %	Zr ppm	Y ppm	Cu ppm	Zn ppm	Ni ppm	Co ppm	Ba ppm	LOI %	TOTAL %	S ppm
AN03164	44.69	9.27	8.91	8.74	11.21	1.47	2.28	0.67	0.15	0.30	0.120	88	14	55	50	180	40	1060	12.68	100.36	1500
AN03165	75.36	14.71	2.21	1.41	1.17	0.33	2.28	0.34	0.04	0.12	0.085	150	8	160	65	30	< 5	190	1.92	100.88	500

SIGNED : [signature]

TSL/93

Laboratoires TSL/ASSAYERS Laboratories

740 AV. DU CUIVRE C.P. 665 ROUYN-NORANDA QUEBEC J9X 5C6
PHONE #: 819-797-4653 FAX #: 819-757-4501

REPORT No. : T2264
Page No. : 1 of 5
File No. : 82264
Date : JAN-15-1993
Oxides in % - Minors ppm

FALCONBRIDGE LTD.
ATTN: JIM AULTMAN
PROJ: 8668

2R-2120-RG1

I.C.A.P. WHOLE ROCK ANALYSIS

Lithium MetaBorate Fusion

SAMPLE #	SiO2 %	Al2O3 %	P2O5 %	CaO %	MgO %	Na2O %	K2O %	TiO2 %	MnO %	P2O5 %	Cr2O3 %	Sr ppm	Y ppm	Cu ppm	Zn ppm	Ni ppm	Co ppm	Ba ppm	LOI %	TOTAL %	S ppm
AN03151	51.17	13.48	13.08	5.82	3.99	1.07	0.46	1.46	0.24	0.10	0.040	186	34	195	710	50	45	70	0.90	100.86	5800
AN03152	55.46	15.12	11.42	4.52	4.28	2.32	0.70	1.58	0.38	0.10	0.005	102	30	350	435	60	55	230	1.53	100.75	5100
AN03153	52.29	15.00	11.29	8.60	5.35	2.37	0.58	1.25	0.21	0.11	0.030	88	28	165	0025	60	45	90	0.60	100.64	2600
AN03154	52.89	16.07	10.23	8.99	6.15	1.84	1.06	0.59	0.21	0.08	0.005	30	18	95	65	20	40	100	0.799	99.62	2000
AN03155	52.91	16.07	11.96	5.52	7953	2.20	1.12	0.60	0.26	0.08	0.060	44	18	30	75	60	35	80	1.57	100.89	1200
AN03156	56.45	15.17	7.70	2.71	9.03	3.62	0.42	0.54	0.16	0.10	0.050	90	18	90	45	60	30	110	1.50	98.63	2600
AN03157	73.65	16.76	1.50	2.29	1.15	0.60	2.20	0.32	0.03	0.12	0.040	156	6	15	50	< 10	10	300	1.93	100.55	1400
AN03158	55.14	15.01	17.45	3.70	4.21	0.22	0.52	0.29	0.01	0.10	0.045	218	8	10	70	< 10	< 5	40	2.10	99.93	800
AN03159	73.88	15.89	1.51	3.00	1.78	0.77	1.16	0.35	0.08	0.12	0.045	148	4	30	25	10	< 5	110	1.80	100.41	300
AN03160	72.59	17.07	1.45	2.78	1.58	0.38	1.18	0.35	0.03	0.16	0.040	98	6	115	30	< 10	< 5	130	1.99	99.54	600
AN03161	63.21	15.29	6.67	3.88	3.03	2.17	1.74	0.39	0.35	0.25	0.050	134	10	50	105	20	15	270	2.03	100.57	1200
AN03162	69.54	15.55	4.74	1.63	1.57	1.33	1.66	0.33	0.30	0.12	0.045	126	6	35	95	< 10	5	300	1.81	100.64	500
AN03163	67.63	14.62	8.55	2.39	2.28	0.53	2.18	0.31	0.45	0.11	0.040	168	16	< 5	130	< 10	5	190	1.69	100.78	400
AN03201	69.18	14.33	7.17	3.14	0.93	3.12	1.58	0.28	0.10	0.10	0.035	106	8	20	175	< 10	< 5	210	1.09	97.77	500
AN03202	63.61	14.26	10.18	4.61	1.81	0.99	0.96	0.27	0.19	0.01	0.040	112	6	< 5	70	< 10	< 5	180	1.56	96.96	400
AN03203	72.77	15.17	1.98	2.01	1.03	1.69	2.54	0.32	0.07	0.10	0.045	138	8	< 5	20	< 10	< 5	220	2.29	100.81	1300
AN03204	70.84	14.52	4.52	2.94	1.49	1.78	1.72	0.27	0.21	0.10	0.035	128	10	< 5	110	< 10	< 5	200	2.12	100.57	200
AN03205	60.13	15.52	3.09	2.83	1.03	5.06	1.74	0.24	0.01	0.12	0.015	80	4	15	50	20	< 5	580	2.52	95.30	300
AN03206	72.85	14.71	2.48	4.39	0.99	2.18	0.86	0.29	0.10	0.12	0.030	132	6	< 5	50	< 10	< 5	190	1.07	100.91	200
AN03207	72.73	15.00	3.58	2.81	1.23	2.43	1.16	0.30	0.14	0.10	0.040	118	8	< 5	55	< 10	< 5	180	1.13	100.64	500
AN03208	70.02	16.45	1.96	2.59	0.93	1.79	1.82	0.35	0.05	0.12	0.030	136	6	30	30	20	5	280	1.50	97.59	200
AN03209	67.55	17.32	6.32	2.08	1.62	0.84	2.56	0.36	0.13	0.11	0.040	156	12	< 5	50	20	< 5	240	1.98	100.83	100
AN03210	63.05	15.04	13.73	2.86	2.61	0.39	0.50	0.30	0.27	0.10	0.035	144	10	15	95	10	5	300	1.79	100.98	900
AN03211	69.89	14.68	7.49	3.07	2.37	0.19	0.16	0.28	0.39	0.10	0.030	132	6	30	95	< 10	5	60	1.92	100.57	700
AN03212	76.05	16.56	0.74	2.71	0.77	0.51	0.58	0.28	0.02	0.10	0.045	130	4	5	65	< 10	10	220	1.83	100.62	1100
AN03213	63.31	13.60	14.74	1.47	2.73	0.27	0.20	0.24	0.79	0.10	0.040	142	6	< 5	15	< 10	10	60	1.44	95.84	1200
AN03214	51.41	15.41	9.32	5.27	10.93	2.04	3.24	0.54	0.17	0.09	0.045	32	14	15	170	70	35	250	1.56	100.11	400
AN03215	53.35	16.42	10.10	9.09	6.49	2.79	0.50	0.59	0.17	0.01	0.050	40	16	50	70	70	50	60	0.66	100.27	800
AN03216	52.13	14.44	12.56	9.72	4.63	0.89	0.24	1.16	0.20	0.11	0.030	70	24	130	155	90	60	120	2.57	98.76	1100
AN03217	53.83	13.71	18.00	5.57	3.63	1.51	0.40	1.60	0.25	0.15	0.025	96	26	120	195	30	45	160	0.63	100.30	1800
AN03218	50.00	13.83	15.91	9.84	6.02	2.32	0.48	1.33	0.23	0.15	0.040	102	30	190	115	80	50	130	0.75	100.91	1500
AN03219	71.50	14.73	2.35	3.48	2.04	1.35	2.44	0.31	0.05	0.12	0.030	118	8	30	60	< 10	< 5	150	2.70	100.61	200
AN03220	66.54	12.62	7.98	3.64	2.53	1.26	0.58	0.25	0.36	0.01	0.040	86	8	25	85	< 10	10	100	1.36	97.67	500
AN03221	64.52	13.55	9.38	3.47	2.65	0.30	0.50	0.27	0.44	0.10	0.020	152	12	< 5	70	< 10	< 5	40	2.69	97.88	300
AN03222	72.09	16.09	1.32	2.36	1.46	1.85	1.48	0.33	0.04	0.12	0.050	142	4	5	40	< 10	< 5	150	1.40	98.79	100

SIGNED :

Laboratoires TSL/ASSAYERS Laboratories

784 AV. DU CUIVRE C.P. 665 ROUYN-NORANDA QUEBEC J9X 5C6
PHONE #: 819-797-4653 FAX #: 819-797-4501

REPORT No. : T2264
Page No. : 2 of 5
File No. : M2264
Date : JAN-15-1993
Oxides in % - Minors ppm

FALCONBRIDGE LTD.
ATTN: JIM AULTMAN
PROJ: 8660

2R-2120-RG1

I.C.A.P. WHOLE ROCK ANALYSIS

Lithium Metaborate Fusion

SAMPLE #	SiO2 %	Al2O3 %	Fe2O3 %	CaO %	MgO %	Na2O %	K2O %	TiO2 %	MnO %	P2O5 %	Cr2O3 %	Zr ppm	Y ppm	Cu ppm	Zn ppm	Ni ppm	Co ppm	Ba ppm	LOI %	TOTAL %	S ppm
AN03223	74.76	15.24	2.17	3.94	0.08	1.74	1.98	0.31	0.04	0.10	0.040	156	10	10	50	< 10	5	210	0.47	100.61	600
AN03224	69.28	16.53	2.72	3.71	1.95	0.33	0.10	0.34	0.10	0.12	0.010	164	15	< 5	55	10	15	40	2.22	97.45	400
AN03225	57.68	14.24	8.26	8.34	6.33	3.57	0.30	0.63	0.17	0.26	0.200	104	14	40	85	120	30	60	3.48	100.90	3400
AN03226	72.65	15.73	3.58	2.92	1.68	0.52	0.72	0.28	0.08	0.12	0.020	122	6	10	10	320	5	60	1.88	97.75	200
AN03227	74.23	17.33	1.28	1.64	1.11	0.57	2.14	0.19	0.02	0.10	0.030	118	12	30	15	20	5	240	0.91	100.68	2300
AN03228	47.56	13.08	9.06	9.49	6.25	2.47	0.10	0.83	0.21	0.32	0.040	110	20	70	110	50	35	60	8.03	97.82	100
AN03229	78.50	14.23	0.95	2.38	1.70	0.35	1.50	0.28	0.05	0.08	0.020	92	8	< 5	40	< 10	< 5	190	2.00	97.82	100
AN03230	72.55	14.31	0.88	1.94	1.34	2.09	2.42	0.28	0.05	0.08	0.045	92	12	90	30	< 10	< 5	290	1.91	97.82	200
AN03231	73.27	13.71	1.94	1.92	1.06	0.83	2.66	0.28	0.08	0.08	0.035	98	4	5	20	< 10	< 5	180	1.77	97.63	200
AN03232	55.29	10.30	17.31	4.90	2.62	0.35	0.52	0.27	1.07	0.06	0.025	98	6	10	40	< 10	5	60	5.28	97.75	1600
AN03233	69.32	14.86	2.33	3.45	1.67	0.31	2.02	0.28	0.09	0.06	0.010	142	6	20	25	< 10	5	190	3.27	97.66	300
AN03234	66.12	10.53	11.21	2.12	2.90	0.23	0.36	0.19	0.39	0.06	0.030	110	8	< 5	40	< 10	< 5	40	3.81	97.96	2000
AN03235	79.28	0.70	14.46	2.08	2.23	0.03	<0.02	0.02	0.37	0.04	0.035	16	4	40	85	< 10	5	10	1.17	100.46	16400
AN03236	47.50	14.82	9.53	8.36	8.67	1.41	0.06	0.40	0.18	0.06	0.060	28	10	50	35	190	55	80	7.63	98.57	300
AN03237	65.17	10.94	8.59	7.67	4.64	2.79	0.06	0.48	0.13	0.06	0.090	42	10	50	45	80	40	630	4.55	97.99	1300
AN03238	46.95	12.32	15.40	10.66	7.62	0.80	1.03	1.39	0.30	0.18	0.040	52	16	290	140	100	50	410	1.15	97.63	4600
AN03239	60.42	12.13	12.47	3.91	3.75	1.21	0.32	0.82	0.31	0.18	0.065	62	18	35	220	40	20	90	2.35	97.95	11000
AN03240	52.45	18.45	11.63	4.49	2.32	1.24	2.16	2.14	0.35	0.14	0.065	132	36	75	140	80	70	1070	2.55	98.05	5900
AN03241	49.97	9.06	8.49	7.59	11.59	1.44	0.50	0.50	0.19	0.18	0.140	72	12	25	55	300	50	1340	4.90	97.65	1100
AN03242	65.39	0.78	25.46	0.94	2.97	0.07	0.22	0.06	0.54	0.04	0.050	16	6	5	115	< 10	10	70	0.60	97.67	11000
AN03243	51.38	13.95	16.46	1.22	6.05	1.37	1.18	0.61	0.52	0.08	0.035	60	8	< 5	270	60	30	840	4.71	97.54	7000
AN03244	52.08	11.41	8.25	5.62	9.28	2.89	1.77	0.51	0.36	0.24	0.110	94	16	60	45	200	60	540	4.05	98.09	600
AN03245	51.28	30.34	7.36	0.33	0.99	1.76	0.70	1.61	0.19	0.14	0.150	98	18	95	385	70	35	50	2.84	97.72	1900
AN03246	50.09	13.55	19.51	4.52	4.05	0.94	1.38	0.36	1.06	0.18	0.045	128	18	10	25	20	15	490	1.50	98.09	5000
AN03247	93.97	0.64	5.07	0.23	0.65	0.08	0.06	<0.01	0.18	<0.02	0.070	14	4	< 5	45	< 10	< 5	50	0.41	100.71	6000
AN03248	72.58	13.41	3.52	3.26	1.43	0.74	1.00	0.28	0.16	0.10	0.135	134	12	35	40	20	20	230	1.58	98.17	600
AN03249	68.93	15.96	2.12	2.02	0.98	7.36	3.72	0.25	0.05	0.12	0.140	90	6	25	30	20	20	240	0.80	99.44	500
AN03250	44.97	15.22	13.00	11.92	8.40	0.77	0.24	0.62	0.35	0.08	0.075	70	12	25	85	150	40	50	2.71	98.48	500
AN03251	66.66	13.93	8.26	3.31	2.35	0.58	1.24	0.23	0.44	0.10	0.055	180	12	10	95	20	10	100	1.92	99.11	300
AN03252	70.41	14.46	6.56	3.30	1.59	0.50	1.60	0.33	0.24	0.10	0.050	198	12	< 5	60	20	< 5	150	1.65	100.93	200
AN03253	61.90	12.92	7.50	6.85	4.49	2.06	0.70	0.42	0.32	0.34	0.055	176	16	10	50	70	15	230	1.66	99.22	1700
AN03254	71.64	16.04	1.36	2.00	0.97	1.68	2.66	0.37	0.04	0.14	0.050	306	6	5	25	< 10	< 5	390	1.72	98.69	5000
AN03255	73.49	14.14	2.62	4.93	0.72	2.29	1.12	0.28	0.10	0.10	0.095	166	8	15	55	10	15	220	0.95	100.77	200
AN03256	74.73	13.72	2.45	3.72	0.52	3.37	0.74	0.27	0.10	0.10	0.035	130	8	25	90	< 10	< 5	200	0.97	100.67	300
AN03257	73.21	14.13	1.69	2.85	0.43	3.56	1.97	0.29	0.05	0.10	0.100	130	8	55	35	20	10	410	1.44	99.75	300

TSL/VS

SIGNED :

Laboratoires TSL/ASSAYERS Laboratories
780 AV. DU CUIVRE C.P. 665 ROUYN-NORANDA QUEBEC J9X 5C6
PHONE #: 819-797-4653 FAX #: 819-797-4501

FALCONBRIDGE LTD.
ATTN: JIM AULTMAN
PROJ: 6656

2R-212C-3G1

I.C.A.P. WHOLE ROCK ANALYSIS

Lithium MetaBorate Fusion

REPORT No. : T2264
Page No. : 3 of 5
File No. : M2264
Date : JAN-15-1993
Oxides in % - Minors ppm

SAMPLE #	SiO_2 %	Al_2O_3 %	Fe_2O_3 %	CaO %	MgO %	Na_2O %	K_2O %	TiO_2 %	MnO %	P_2O_5 %	Cr_2O_3 %	Zr ppm	Y ppm	Cu ppm	Zn ppm	Ni ppm	Co ppm	Ba ppm	LOI %	TOTAL %	[illegible] ppm
AN03258	48.10	12.45	[illegible]	6.64	[illegible]	3.07	[illegible]	0.84	[illegible]	0.50	0.060	88	[illegible]	140	[illegible]	140	[illegible]	1010	4.48	97.78	[illegible]
AN03259	73.83	15.09	1.36	4.52	[illegible]	1.16	[illegible]	0.33	[illegible]	0.12	0.075	160	[illegible]	20	[illegible]	20	15	510	[illegible]	100.21	[illegible]
AN03260	50.95	12.93	20.30	6.33	4.32	0.20	[illegible]	0.25	[illegible]	0.13	0.040	118	[illegible]	< 5	50	20	[illegible]	30	1.59	98.23	[illegible]
AN03261	75.11	15.29	10.95	3.83	0.83	1.89	1.30	0.32	0.06	0.13	0.030	164	6	30	55	10	15	2700	1.52	100.91	[illegible]
AN03262	57.66	14.82	17.45	3.94	[illegible]	0.20	0.12	0.25	1.05	0.12	0.040	150	10	< 5	40	< 10	10	10	1.63	100.48	500
AN03263	74.55	15.65	1.32	2.65	[illegible]	0.33	[illegible]	0.32	[illegible]	0.13	[illegible]	124	[illegible]	< 5	20	< 10	[illegible]	160	0.26	98.94	200
AN03264	68.81	11.92	9.65	3.55	2.95	0.28	[illegible]	0.24	[illegible]	0.05	[illegible]	114	8	45	50	< 10	10	60	1.97	100.20	2500
AN03265	75.50	15.47	1.43	2.48	1.10	0.35	0.98	0.31	0.04	0.13	0.050	132	6	5	15	< 10	< 5	250	1.77	99.57	200
AN03266	76.86	15.00	0.51	2.92	0.43	0.45	1.60	0.26	0.01	0.13	0.050	134	6	25	35	< 10	10	250	1.72	99.89	500
AN03267	61.00	12.27	16.22	2.31	2.73	0.27	0.52	0.22	0.87	0.03	0.040	138	6	5	30	< 10	10	70	1.65	96.14	3400
AN03268	61.45	13.49	19.26	0.44	3.27	0.04	0.16	0.22	0.98	0.14	0.060	128	12	5	20	40	15	20	1.34	100.87	3800
AN03269	62.45	0.36	27.47	1.24	4.23	<0.01	<0.02	0.32	1.33	<0.02	0.040	20	4	< 5	100	23	10	< 10	0.74	97.91	23000
AN03270	62.75	15.90	8.20	2.92	2.60	0.93	0.88	1.12	0.14	0.18	0.035	104	28	95	60	53	30	560	2.11	97.78	3900
AN03271	79.15	0.34	15.25	0.35	2.21	0.02	<0.02	0.33	0.65	<0.02	0.040	14	6	< 5	100	< 10	10	20	0.18	96.77	13000
AN03272	50.03	14.88	10.08	0.29	10.91	0.36	0.38	0.15	0.20	0.05	0.085	36	12	20	[illegible]	180	50	50	2.03	97.74	300
AN03273	47.13	14.45	6.81	9.28	5.74	0.34	1.76	0.50	0.17	0.03	0.045	40	16	45	45	70	30	310	11.52	95.90	500
AN03274	53.41	15.67	14.82	2.74	3.31	0.44	0.52	1.32	0.46	0.18	0.030	106	54	150	110	50	40	210	0.97	98.09	1800
AN03275	55.05	16.90	9.56	13.71	4.02	0.06	1.04	0.59	0.22	0.06	0.055	36	14	90	35	70	45	120	2.16	100.45	1500
AN03276	50.73	16.93	11.19	6.99	3.69	0.65	0.92	0.57	0.25	0.08	0.045	32	12	50	50	60	25	70	5.21	97.76	1900
AN03277	51.77	16.88	9.19	5.57	3.43	0.58	2.56	0.59	0.20	0.10	0.045	36	8	65	60	40	35	210	5.93	97.05	7600
AN03278	61.67	16.69	10.32	4.66	1.74	0.64	0.64	1.59	0.21	0.16	0.050	106	44	155	75	70	45	420	0.99	99.29	3100
AN03279	50.76	16.90	14.79	5.52	9.09	0.60	0.76	1.52	0.44	0.16	0.025	102	40	115	90	60	40	280	3.41	97.95	800
AN03280	53.33	14.36	11.48	5.69	4.26	0.63	0.36	1.15	0.25	0.24	0.040	102	26	125	95	60	35	450	4.81	97.86	800
AN03281	60.45	15.11	5.89	5.16	4.57	1.21	3.44	0.62	0.10	0.52	0.026	168	16	20	50	70	20	1190	0.58	97.88	300
AN03282	58.99	15.96	5.86	5.11	4.75	1.40	2.98	0.65	0.05	0.58	0.030	120	14	5	50	70	15	1690	1.24	97.65	600
AN03283	54.08	16.07	13.85	7.96	4.25	0.60	0.38	1.69	0.29	0.16	0.030	62	24	105	90	70	50	110	1.04	100.40	1800
AN03284	45.17	9.84	25.66	6.65	5.51	0.33	0.42	1.74	0.61	0.24	0.030	48	26	360	450	310	70	100	0.62	97.78	11600
AN03285	45.60	17.48	13.14	6.19	10.48	0.45	0.60	0.77	0.20	0.10	0.065	36	18	80	60	290	55	410	4.31	99.39	800
AN03286	64.00	13.65	12.02	4.47	3.09	0.06	0.32	0.25	0.62	0.08	0.055	126	6	15	40	40	10	100	1.60	100.40	1100
AN03287	72.55	17.09	1.19	1.98	1.11	0.18	1.28	0.29	0.04	0.12	0.035	120	8	< 5	10	10	< 5	430	1.41	97.74	200
AN03288	63.58	13.54	14.18	3.29	2.91	0.08	0.24	0.22	0.76	0.10	0.100	122	10	10	65	20	20	70	1.31	100.28	700
AN03289	62.47	12.56	14.80	3.67	4.04	0.02	0.12	0.23	0.61	0.06	0.045	126	8	10	30	20	10	40	2.31	100.93	1700
AN03290	61.84	12.13	17.92	0.28	3.56	0.03	0.12	0.21	0.99	0.08	0.030	114	8	< 5	35	30	10	30	2.45	99.65	1800
AN03291	64.76	16.12	5.07	2.90	4.22	1.29	0.42	0.49	0.12	0.34	0.050	168	10	< 5	65	100	15	300	1.95	97.73	2200
AN03292	51.77	18.07	5.99	10.83	5.41	0.12	1.74	0.55	0.19	0.06	0.065	32	20	90	55	90	35	150	1.88	98.69	900

SIGNED : [signature]

18./91

FALCONBRIDGE LTD.
ATTN: JIM AULTMAN
PROJ: 8668

28-2120-R01

Laboratoires TSL/ASSAYERS Laboratories

780 AV. DU CUIVRE C.P. 665 ROUYN-NORANDA QUEBEC J9X 5C6
PHONE #: 819-797-4653 FAX #: 819-797-4501

REPORT No. : T2264
Page No. : 4 of 5
File No. : M2264
Date : JAN-15-1993
Oxides in % - Minors ppm

I.C.A.P. WHOLE ROCK ANALYSIS

Lithium Metaborate Fusion

SAMPLE #	SiO_2 %	Al_2O_3 %	Fe_2O_3 %	CaO %	MgO %	Na_2O %	K_2O %	TiO_2 %	MnO %	P_2O_5 %	Cr_2O_3 %	Sr ppm	Zr ppm	Cu ppm	Zn ppm	Ni ppm	Co ppm	Ba ppm	LOI %	TOTAL %	[illegible] ppm
AN03293	50.27	15.04	8.42	8.10	[illegible]	0.13	1.82	0.46	0.17	0.12	[illegible]	38	[illegible]	10	[illegible]	170	[illegible]	30	8.02	97.69	500
AN03294	51.63	14.71	11.80	5.89	3.11	0.59	1.76	1.49	0.24	0.16	0.015	88	33	115	[illegible]	30	45	510	6.80	98.17	2000
AN03295	73.12	16.14	2.31	1.18	1.09	1.66	0.90	0.29	0.04	0.12	0.050	88	2	15	300	20	10	260	0.96	97.87	[illegible]
AN03296	54.00	17.39	10.07	7.64	3.09	0.73	0.56	1.66	0.30	0.20	0.050	120	42	145	100	60	45	270	0.61	100.32	100
AN03297	57.47	17.66	11.07	4.97	[illegible]	0.72	[illegible]	1.87	0.32	0.22	0.050	100	28	105	100	60	50	180	0.73	98.27	[illegible]
AN03298	61.40	17.32	7.08	5.44	1.84	0.84	[illegible]	1.33	0.22	0.16	0.100	76	21	155	[illegible]	130	50	410	0.31	97.80	900
AN03299	55.32	14.15	13.93	5.20	5.17	0.54	1.24	1.20	0.30	0.16	0.050	82	26	110	[illegible]	80	50	210	1.58	99.02	900
AN03300	72.03	15.33	2.35	1.23	1.50	1.66	0.94	0.23	0.03	0.12	0.045	78	< 2	5	20	10	10	250	1.08	97.65	500
AN05916	54.31	18.79	8.09	8.36	4.30	0.46	1.26	0.52	0.21	0.10	0.080	38	12	95	60	70	35	350	2.49	99.23	400
AN05917	53.86	15.11	9.12	8.10	5.26	0.20	0.80	0.64	0.23	0.08	0.060	46	15	20	35	40	30	120	4.75	99.21	300
AN05918	53.90	16.51	6.52	6.31	1.14	0.65	1.40	1.45	0.17	0.16	0.060	96	29	110	50	70	60	180	2.54	100.81	2500
AN05919	59.92	17.25	4.39	1.45	1.30	0.37	1.90	0.35	0.21	0.14	0.040	116	[illegible]	10	55	20	5	200	2.09	99.49	300
AN05920	76.20	15.73	[illegible]	2.61	1.17	0.56	0.96	0.33	0.07	0.10	0.040	130	[illegible]	15	80	< 10	< 5	120	1.53	100.98	300
AN05921	63.31	19.32	2.82	4.55	2.01	0.77	[illegible]	0.36	0.10	0.12	0.020	124	5	5	[illegible]	< 10	[illegible]	620	3.42	99.24	200
AN05922	70.25	14.03	3.94	3.42	2.14	0.13	[illegible]	0.27	0.19	0.10	0.050	112	[illegible]	< 5	20	20	[illegible]	90	2.27	98.11	200
AN05923	75.37	16.20	0.82	1.75	0.42	0.13	2.74	0.29	0.01	0.10	0.040	126	[illegible]	< 5	[illegible]	< 10	< 5	350	2.05	99.89	1600
AN05924	62.50	12.11	17.15	0.54	3.21	0.05	0.40	0.22	1.07	0.08	0.045	120	4	< 5	65	< 10	5	70	2.39	99.76	1500
AN05925	68.20	17.77	3.83	2.71	2.04	0.51	2.56	0.36	0.12	0.10	0.030	96	8	< 5	45	20	5	190	2.54	100.16	600
AN05926	53.18	15.63	10.35	6.38	5.77	0.59	1.92	0.59	0.16	0.08	0.045	34	14	135	40	40	35	220	2.59	100.29	400
AN05927	53.85	15.46	10.22	7.69	3.50	0.82	[illegible]	0.73	0.18	0.22	0.025	88	22	85	45	70	40	270	1.31	98.91	700
AN05928	50.62	17.74	11.70	5.72	7.95	0.12	2.92	0.61	0.17	0.10	0.060	40	16	50	[illegible]	80	40	310	2.09	100.67	1400
AN05929	53.03	14.21	15.20	8.77	5.78	0.55	0.87	1.21	0.22	0.14	0.035	76	21	115	85	70	50	210	0.96	100.91	1200
AN05930	52.65	14.19	17.65	6.17	4.24	0.47	0.58	1.39	0.21	0.14	0.040	86	42	145	90	50	50	270	0.99	98.73	800
AN05931	58.33	14.68	12.93	6.19	2.31	0.58	0.78	1.55	0.26	0.16	0.040	110	32	155	90	40	50	330	1.17	98.98	1100
AN05932	67.95	15.54	7.23	2.16	1.67	0.49	1.74	0.38	0.26	0.12	0.035	160	8	25	340	10	10	190	2.48	100.03	700
AN05933	74.25	15.75	1.80	1.80	1.44	0.50	1.42	0.32	0.06	0.14	0.035	158	8	20	50	50	< 5	210	1.84	99.56	100
AN05934	76.50	15.37	1.73	1.18	0.43	0.48	2.28	0.32	0.05	0.12	0.035	132	12	< 5	30	< 10	< 5	210	1.81	100.51	400
AN05935	73.80	14.57	3.38	3.03	0.80	0.51	1.90	0.29	0.07	0.10	0.020	114	6	< 5	45	10	5	210	1.20	99.14	100
AN05936	73.96	14.73	1.13	1.96	0.98	0.20	2.48	0.33	0.04	0.12	0.045	160	6	10	35	20	< 5	510	2.17	100.12	200
AN05937	69.04	14.28	6.03	4.23	1.44	0.72	1.94	0.24	0.32	0.10	0.050	100	4	20	40	50	5	330	1.33	99.94	500
AN05938	69.45	14.70	5.61	3.94	1.42	0.77	1.28	0.24	0.29	0.10	0.045	94	6	10	35	< 10	< 5	330	1.30	99.20	600
AN05939	74.44	15.53	1.50	3.95	2.02	0.11	0.36	0.32	0.06	0.16	0.040	104	8	10	25	20	< 5	120	2.27	100.84	400
AN05940	77.00	14.85	0.58	3.19	1.28	0.07	0.22	0.26	0.02	0.10	0.025	136	< 2	15	30	< 10	< 5	30	2.01	99.57	200
AN05941	68.03	12.93	11.78	0.87	2.99	0.13	1.04	0.24	0.49	0.08	0.010	134	2	10	40	20	5	100	2.47	100.99	1300
AN05942	54.50	11.63	9.43	6.15	11.63	0.79	2.57	0.58	0.37	0.28	0.120	82	14	40	160	210	40	670	1.36	99.15	4000

SIGNED : [signature]

Laboratoires TSL/ASSAYERS Laboratories
780 AV. DU CUIVRE C.P. 665 ROUYN-NORANDA QUEBEC J9X 5C6
PHONE #: 819-797-4653 FAX #: 819-797-4501

FALCONBRIDGE LTD.
ATTN: JIM AULTHAN
PROJ : 8668

2R-Z 120-RG1

I.C.A.P. WHOLE ROCK ANALYSIS

Lithium Metaborate Fusion

REPORT No. : T2264

File No. : M2264
Date : JAN-15-1993
Oxides in % - Minors ppm

SAMPLE #	SiO2 %	Al2O3 %	Fe2O3 %	CaO %	MgO %	Na2O %	K2O %	TiO2 %	MnO %	P2O5 %	Cr2O3 %
AN05943	54.80	15.52	9.56	8.35	[illegible]	0.15	[illegible]	0.51	0.13	0.08	0.050
AN05944	60.96	0.67	33.02	0.91	[illegible]	<0.01	0.08	0.03	[illegible]	0.06	0.010
AN05945	51.71	14.21	[illegible]	8.59	5.50	0.49	1.82	0.61	[illegible]	0.08	0.055
AN05946	52.63	13.46	[illegible]	8.57	4.80	0.57	0.38	1.42	[illegible]	0.14	0.020
AN05947	60.05	14.51	[illegible]	6.30	2.81	0.59	0.80	1.53	[illegible]	0.18	0.035
AN05948	74.33	15.00	1.98	1.34	[illegible]	0.17	[illegible]	0.34	[illegible]	0.12	0.030
AN05949	72.09	14.10	5.25	1.47	[illegible]	0.26	[illegible]	0.29	[illegible]	0.12	0.035
AN05950	74.63	14.38	3.22	3.66	[illegible]	0.41	[illegible]	0.29	0.13	0.10	0.030

SAMPLE #	Zr ppm	Y ppm	Cu ppm	Zn ppm	Ni ppm	Co ppm	Ba ppm	LOI %	TOTAL %	[illegible] ppm
AN05943	50	[illegible]	35	30	50	30	100	2.80	100.56	[illegible]
AN05944	14	[illegible]	55	120	30	10	30	0.03	100.54	[illegible]
AN05945	40	26	70	[illegible]	50	30	210	1.66	91.53	[illegible]
AN05946	88	30	140	95	40	40	250	0.51	91.81	[illegible]
AN05947	96	32	100	265	30	35	190	0.80	98.34	[illegible]
AN05948	136	[illegible]	10	[illegible]	20	[illegible]	200	[illegible]	100.16	600
AN05949	144	[illegible]	10	[illegible]	20	[illegible]	190	2.40	100.84	300
AN05950	126	[illegible]	5	50	10	[illegible]	200	1.40	100.79	200

SIGNED : [signature]

TSL/93


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49+60mN
50+40mN
51+20mN
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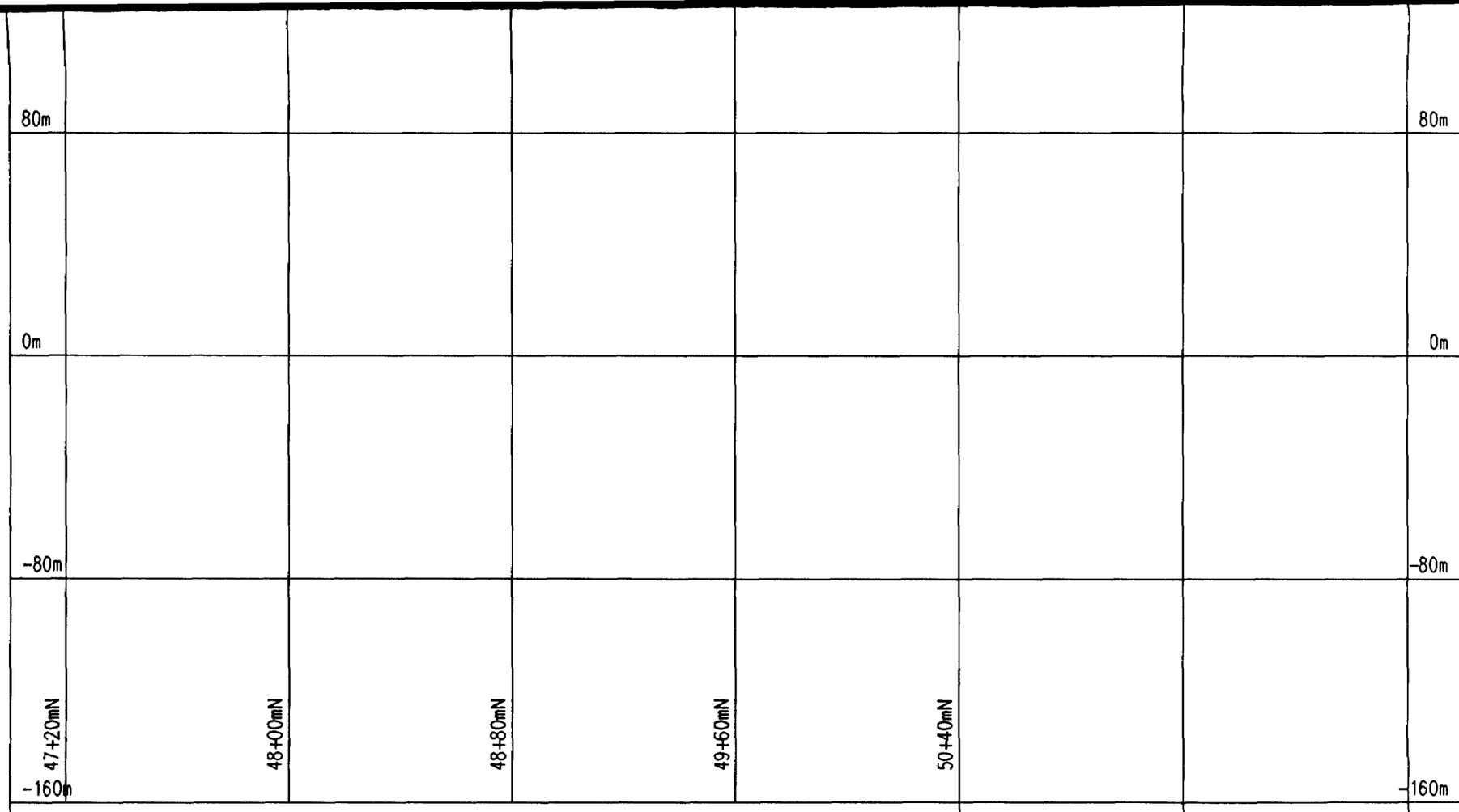


LEGEND

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	A	Primitive (Y<20)
b	Medium Grained	B	Evolved (Y>20<60)
bx	Breccia		
c	Coarse Grained	C	Heterolithic
d	Quartz-Feldspar Phyric	D	Feldspar Phyric
e	Amygdaloidal/Vesicular	E	Chert
f	Primary Fragmentals	F	Wacke
g	Graphitic/Argillaceous	G	Leucoxene Bearing
h	Tholeiitic	H	Basaltic Komatiite
i	Alkalic		
j	Calc-Alkalic	J	Pyroxenite
k	Komatiitic	K	Net Textured
l	Flows	L	Peridotite
m	Massive	M	Dunite
n	Variolitic/Spherulitic	N	Ophitic
p	Pillowed	P	Porphyritic
q	Quartz Phyric	Q	
r	Oxide Iron Formation	R	Polysutured
s	Sulphides, Exhalites	S	Fractured
t	Pyroclastic	T	Gabbroic Textured
u	High Mg	U	Pyroxene Spinifex
v	High Fe	V	Olivine Spinifex
w	High Al	W	Skeletal/Crescumulate
x	Andesite	X	Adcumulate
y	Icelandite	Y	Mesocumulate
z		Z	Orthocumulate

ALTERATION MODIFIERS

<Ab>	Albitization
<Bl>	Bleached
<C>>	Carbonaceous
<Cb>	Carbonatization
<Ch>	Chloritization
<Ep>	Epidotization
<He>	Hematization
<K>>	Potassic Alteration
<Se>	Sericitization
<Si>	Silicification
<Sr>	Serpentinization
<Tc>	Talc-Carbonatized

Cu >1000 ppm , Zn >1000 ppm ,
Au >100 ppb , Ag >10 ppm ,
Pb >100 ppm , Ni >100 ppm

FALCONBRIDGE LIMITED

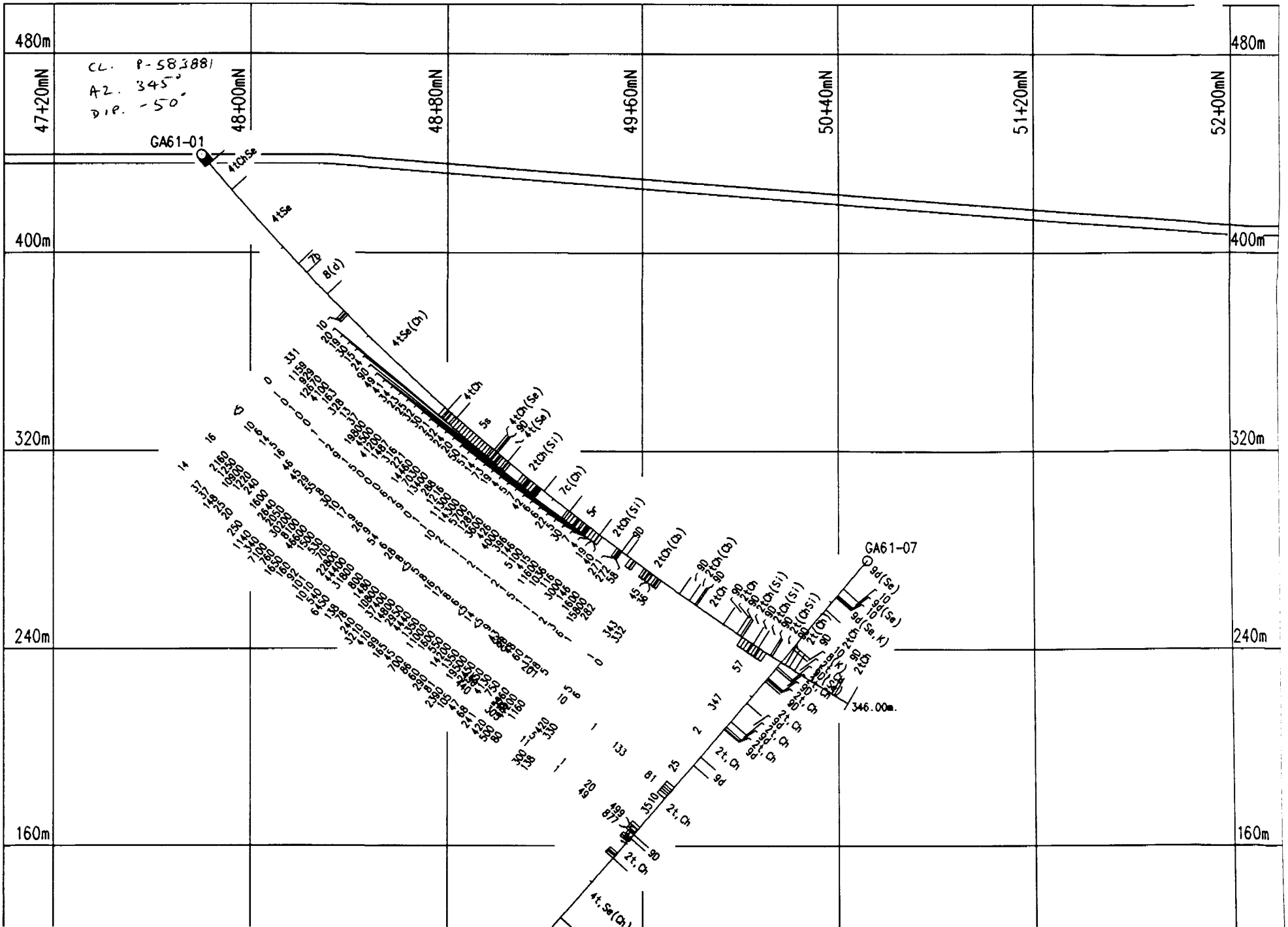
Exploration Division — Timmins, ONTARIO

GENOA/HEENAN CLAIMS

ROTATED DRILL SECTION L 166+50 E (+/-50m)

LOOKING SOUTHWEST (345°) — GENOA & MARION Twps.

Traced	: PROZES	12/03/93	NTS : 41-0/16	PROJECT No: 8668
Drawn	: d e l	17/03/93	MAP No:	FILE: 8668 F
Supervised	: R E Godsole	02/03/93	Scale :	1 : 2000 (metres)
Revised	:			0 20 40 60 80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48+80mN
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GA61-07
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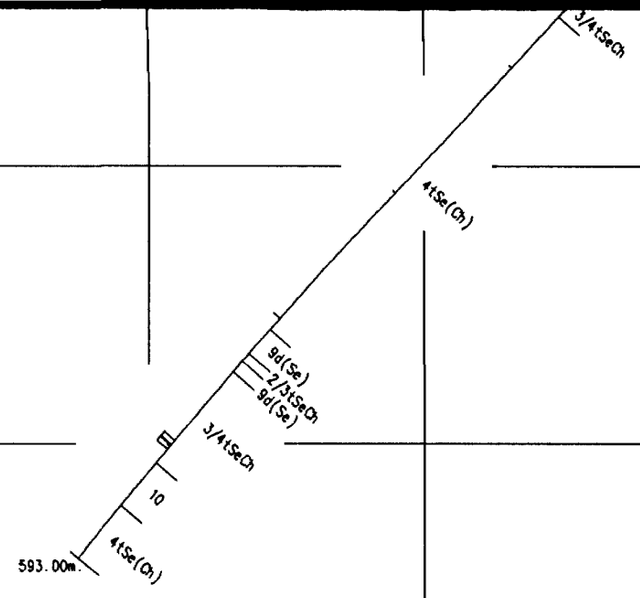
240m
160m



80m
0m
-80m
-160m
-240m

47+20mN
48+00mN
48+80mN
49+60mN
50+40mN

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
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2	MAFIC VOLCANIC ROCKS
1	ULTRAMAFIC VOLCANIC ROCKS

TEXTURAL/GEOCHEMICAL MODIFIERS

a	Fine Grained	A	Primitive (Y<20)
b	Medium Grained	B	Evolved (Y>20<60)
bx	Breccia		
c	Coarse Grained	C	Heterolithic
d	Quartz-Feldspar Phyric	D	Feldspar Phyric
e	Amygdaloidal/Vesicular	E	Chert
f	Primary Fragmentals	F	Wacke
g	Graphitic/Argilloceous	G	Leucoxene Bearing
h	Tholeiitic	H	Basaltic Komatiite
i	Alkalic		
j	Calc-Alkalic	J	Pyroxenite
k	Komatiitic	K	Net Textured
l	Flows	L	Peridotite
m	Massive	M	Dunite
n	Variolitic/Spherilitic	N	Ophitic
p	Pillowed	P	Porphyritic
q	Quartz Phyric	Q	
r	Oxide Iron Formation	R	Polysutured
s	Sulphides, Exhalites	S	Fractured
t	Pyroclastic	T	Gabbroic Textured
u	High Mg	U	Pyroxene Spinifex
v	High Fe	V	Olivine Spinifex
w	High Al	W	Skeletal/Crescumulate
x	Andesite	X	Adcumulate
y	Icelandite	Y	Mesocumulate
z		Z	Orthocumulate

ALTERATION MODIFIERS

<Ab>	Albitization
<Bl>	Bleached
<C>>	Carbonaceous
<Cb>	Carbonatization
<Ch>	Chloritization
<Ep>	Epidotization
<He>	Hematization
<K>>	Potassic Alteration
<Se>	Sericitization
<Si>	Silicification
<Sr>	Serpentinization
<Tc>	Talc-Carbonatized

Cu >1000 ppm , Zn >1000 ppm ,
Au >100 ppb , Ag >10 ppm ,
Pb >100 ppm , Ni >100 ppm

FALCONBRIDGE LIMITED

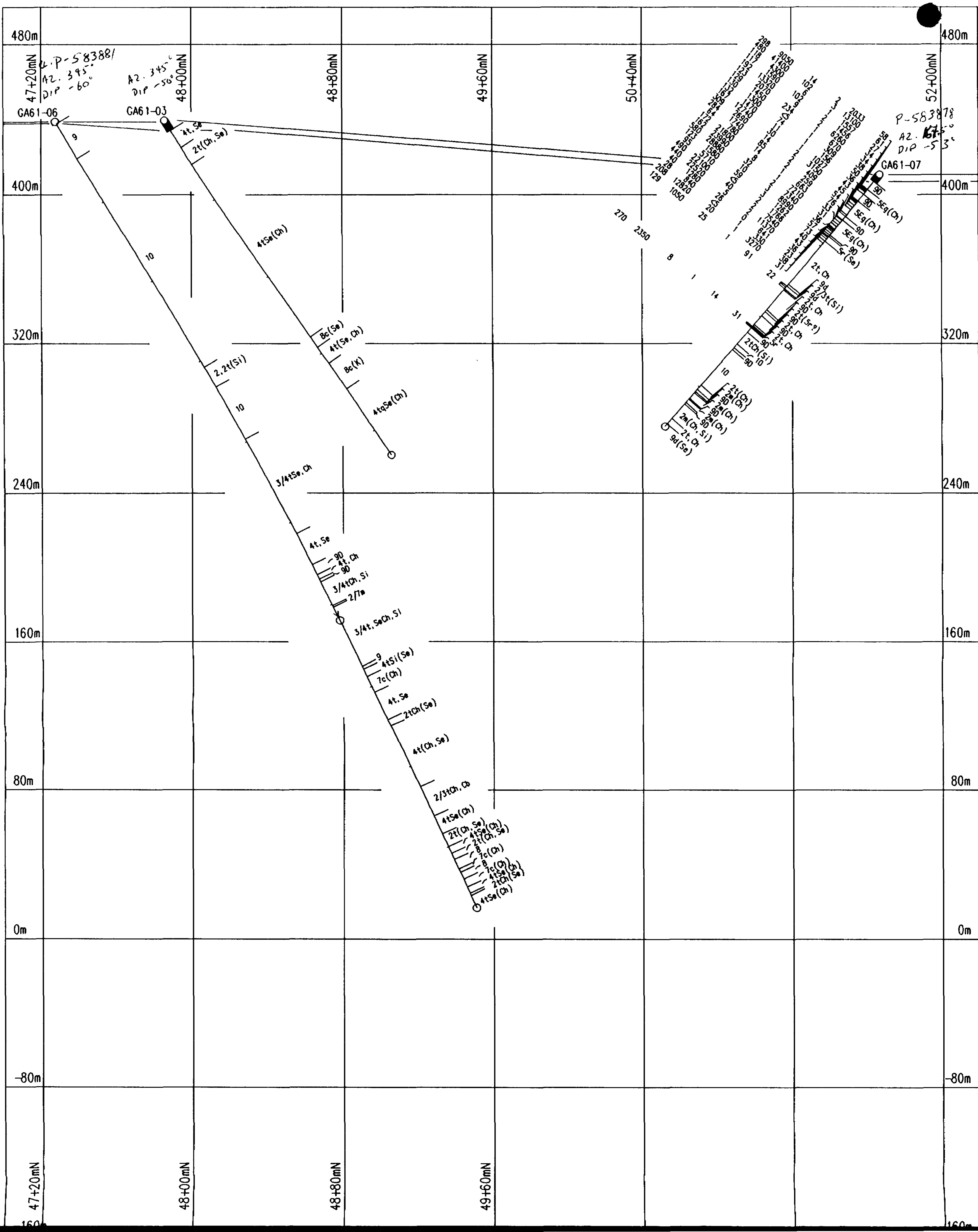
Exploration Division — Timmins, ONTARIO

GENOA/HEENAN CLAIMS

ROTATED DRILL SECTION L 168+00 E (+/-50m)

LOOKING SOUTHWEST (345°) — GENOA & MARION Twps.

Traced	:	PRODES	12/03/93	NTS : 41-0/16 — PROJECT No: 0668
Drawn	:	d e l	17/03/93	MAP No: — FILE: 0668 G
Supervised	:	R E Godsolo	02/03/93	Scale : 1 : 2000 (metres)
Revised	:			0 20 40 60 80



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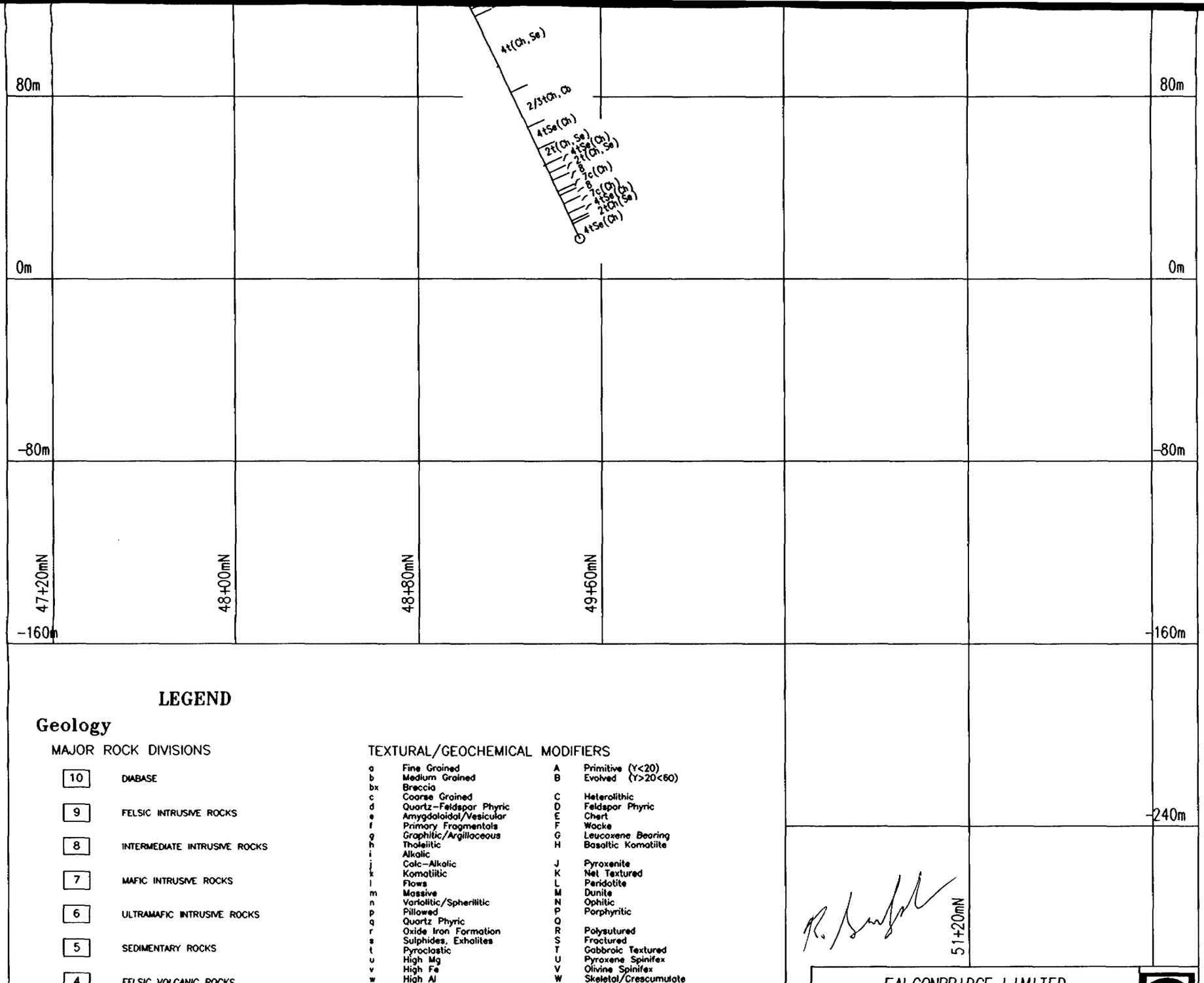

LEGEND

Geology

MAJOR ROCK DIVISIONS

10	DIABASE
9	FELSIC INTRUSIVE ROCKS
8	INTERMEDIATE INTRUSIVE ROCKS
7	MAFIC INTRUSIVE ROCKS
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b	Medium Grained	B	Evolved (Y>20<60)
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d	Quartz-Feldspar Phyric	D	Feldspar Phyric
e	Amygdaloidal/Vesicular	E	Chert
f	Primary Fragmentals	F	Wacke
g	Graphitic/Argillaceous	G	Leucoxene Bearing
h	Tholeiitic	H	Basaltic Komatiite
i	Alkalic		
j	Calc-Alkalic	J	Pyroxenite
k	Komatiitic	K	Net Textured
l	Flows	L	Peridotite
m	Massive	M	Dunite
n	Variolitic/Spherilitic	N	Ophitic
p	Pillowed	P	Porphyritic
q	Quartz Phyric	Q	
r	Oxide Iron Formation	R	Polysutured
s	Sulphides, Exhalites	S	Fractured
t	Pyroclastic	T	Gabbroic Textured
u	High Mg	U	Pyroxene Spinifex
v	High Fe	V	Olivine Spinifex
w	High Al	W	Skeletal/Crescumulate
x	Andesite	X	Adcumulate
y	Icelandite	Y	Mesocumulate
z		Z	Orthocumulate

ALTERATION MODIFIERS

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<Cb>	Carbonatization
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<K>>	Potassic Alteration
<Se>	Sericitization
<Si>	Silicification
<Sr>	Serpentinization
<Tc>	Talc-Carbonatized

Cu >1000 ppm , Zn >1000 ppm ,
Au >100 ppb , Ag >10 ppm ,
Pb >100 ppm , Ni >100 ppm

FALCONBRIDGE LIMITED

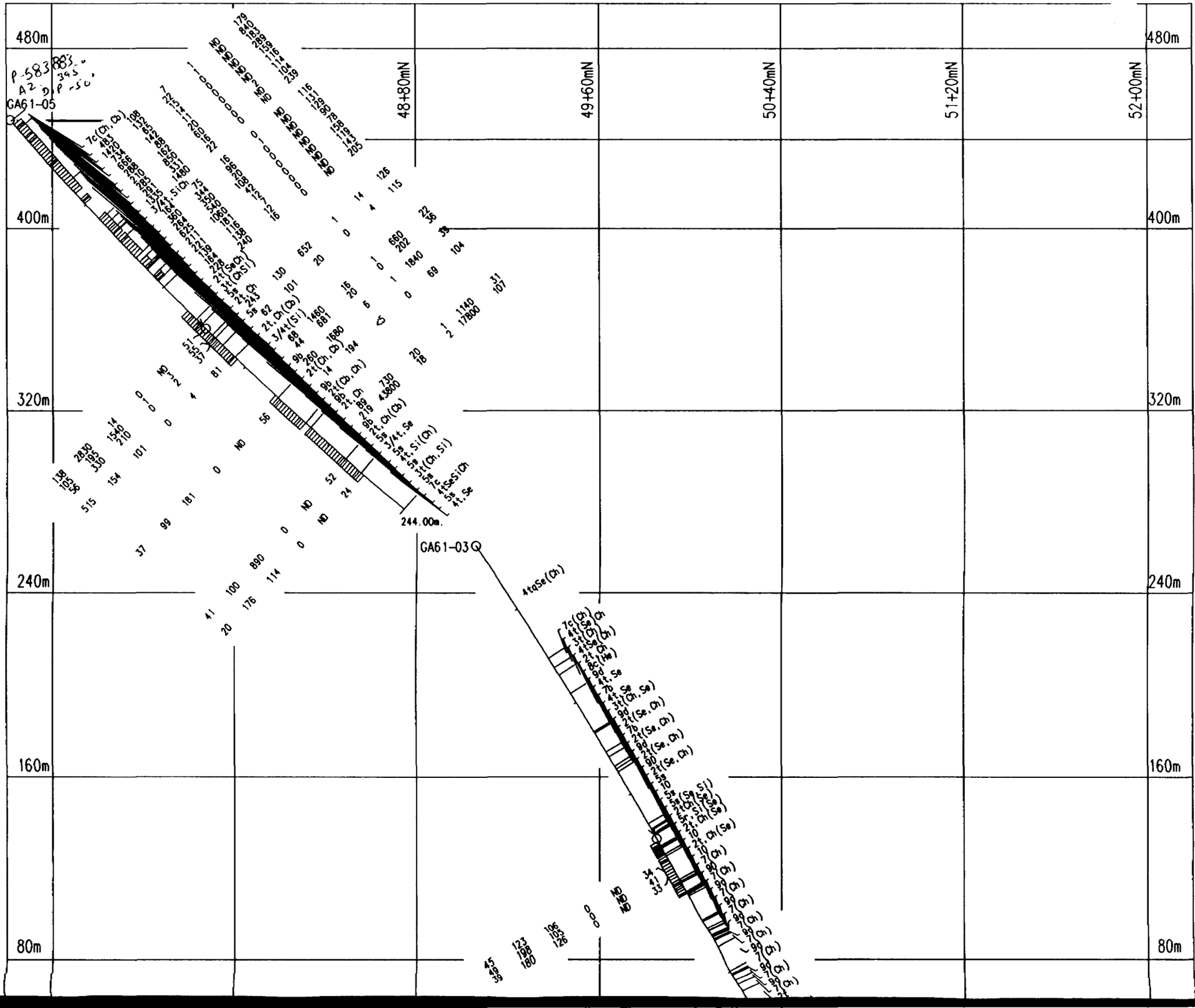
Exploration Division — Timmins, ONTARIO

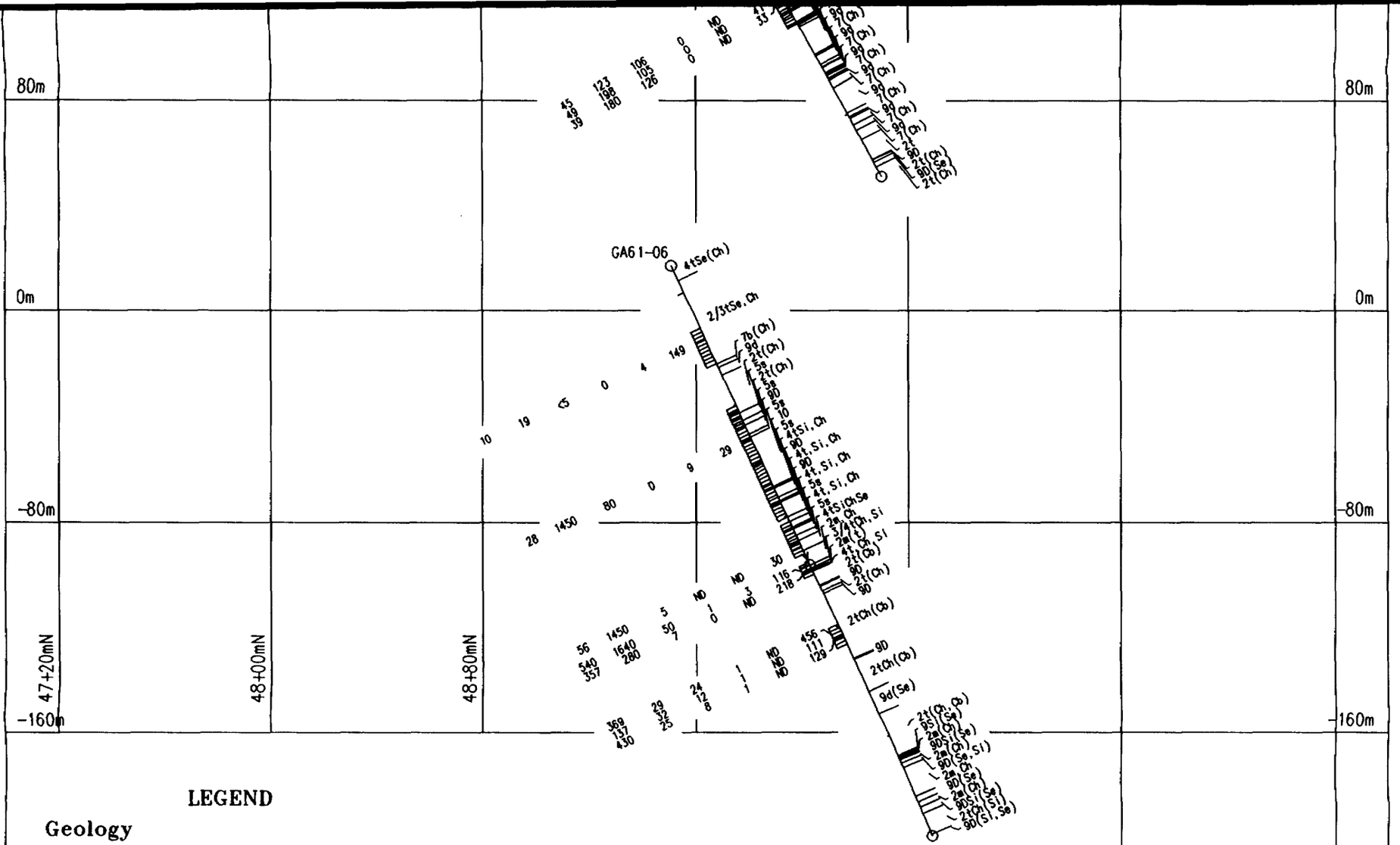
GENOA/HEENAN CLAIMS

ROTATED DRILL SECTION L 169+00 E (+/-50m)

LOOKING SOUTHWEST (345°) — GENOA & MARION Twps.

Traced	:	PROCES	12/03/93	NTS : 41-O/16 — PROJECT No: 8668
Drawn	:	d e l	17/03/93	MAP No: — FILE: 8668 N
Supervised	:	R E Codiolo	02/03/93	Scale : 1 : 2000 (metres)
Revised	:			0 20 40 60 80


480m
400m
320m
240m
160m
80m
48+80mN
49+60mN
50+40mN
51+20mN
52+00mN
GA61-05
GA61-03
244.00m.



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	A	Primitive (Y<20)
b	Medium Grained	B	Evolved (Y>20<60)
bx	Breccia		
c	Coarse Grained	C	Heterolithic
d	Quartz-Feldspar Phyric	D	Feldspar Phyric
e	Amygdaloidal/Vesicular	E	Chert
f	Primary Fragmentals	F	Wacke
g	Graphitic/Argillaceous	G	Leucoxene Bearing
h	Tholeiitic	H	Basaltic Komatiite
i	Alkalic		
j	Calc-Alkalic	J	Pyroxenite
k	Komatiitic	K	Net Textured
l	Flows	L	Peridotite
m	Massive	M	Dunite
n	Variolitic/Spherilitic	N	Ophitic
p	Pillowed	P	Porphyritic
q	Quartz Phyric	Q	
r	Oxide Iron Formation	R	Polysutured
s	Sulphides, Exhalites	S	Fractured
t	Pyroclastic	T	Gabbroic Textured
u	High Mg	U	Pyroxene Spinifex
v	High Fe	V	Olivine Spinifex
w	High Al	W	Skeletal/Crescumulate
x	Andesite	X	Adcumulate
y	Icelandite	Y	Mesocumulate
z		Z	Orthocumulate

ALTERATION MODIFIERS

<Ab>	Albitization
<Bl>	Bleached
<C>>	Carbonaceous
<Cb>	Carbonatization
<Ch>	Chloritization
<Ep>	Epidotization
<He>	Hematization
<K>>	Potassic Alteration
<Se>	Sericitization
<Si>	Silicification
<Sr>	Serpentinization
<Tc>	Talc-Carbonatized

Cu >1000 ppm , Zn >1000 ppm ,
Au >100 ppb , Ag >10 ppm ,
Pb >100 ppm , Ni >100 ppm

FALCONBRIDGE LIMITED

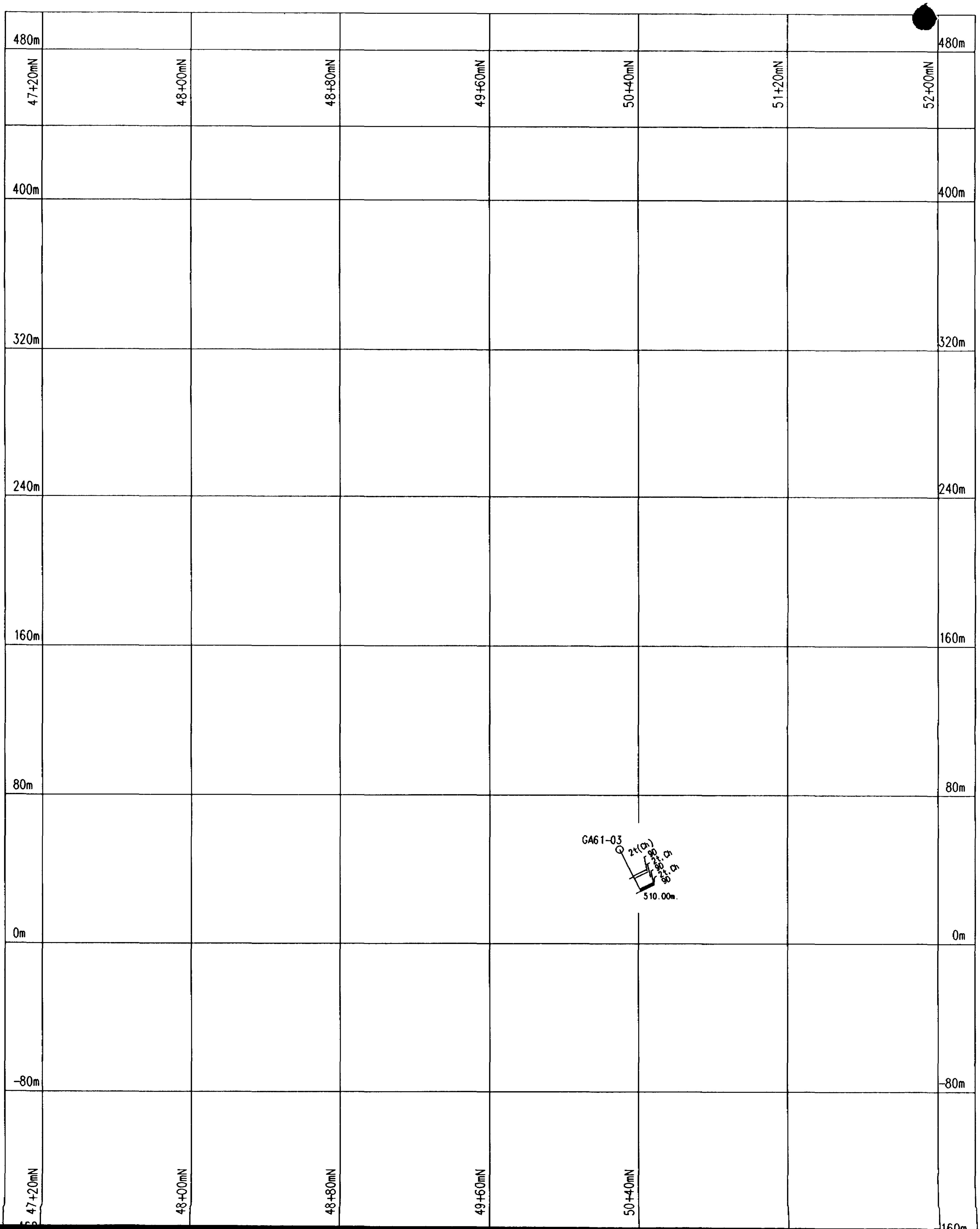
Exploration Division — Timmins, ONTARIO

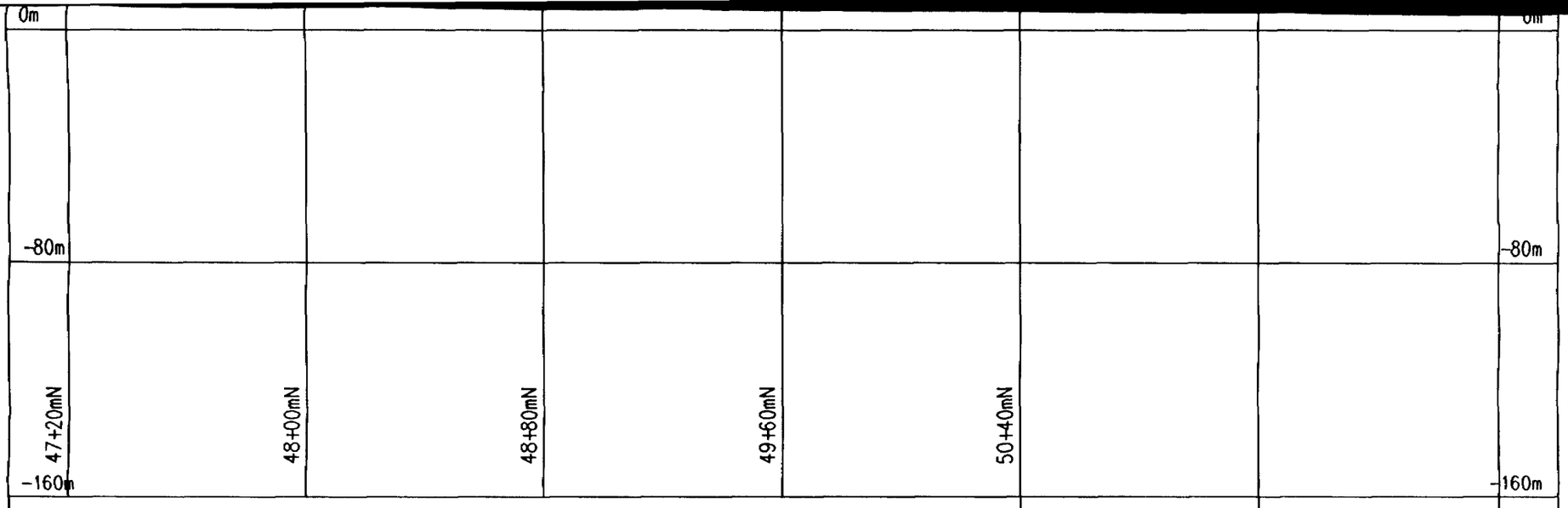
GENOA/HEENAN CLAIMS

ROTATED DRILL SECTION L 170+00 E (+/-50m)

LOOKING SOUTHWEST (345°) — GENOA & MARION Twps.

Traced	: PROCES	12/03/91	NTS : 41-0/16	PROJECT No: 8668	
Drawn	: d d l	17/03/91	MAP No:	FILE: 8668 J	
Supervised	: R.E Godsola	02/03/91	Scale :	1 : 2000	(metres)
Revised	:		0 20 40 60 80		


480m
47+20mN
48+00mN
48+80mN
49+60mN
50+40mN
51+20mN
52+00mN
400m
320m
240m
160m
80m
GA61-03
2t(Ch)
90
2t, Ch
90
2t, Ch
90
510.00m.
0m
-80m



LEGEND

Geology

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x	Andesite	X	Adcumulate
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z		Z	Orthocumulate

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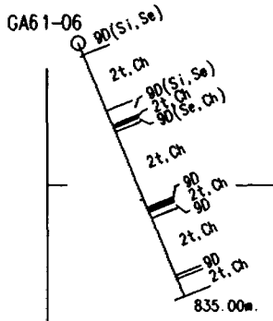

-240m

FALCONBRIDGE LIMITED

Exploration Division Timmins, ONTARIO

GENOA/HEENAN CLAIMS

ROTATED DRILL SECTION L 171+00 E (+/-50m)

LOOKING SOUTHWEST (345°) GENOA & MARION Twps.

Traced	:	PROCES	12/03/93	NTS : 41-O/16 PROJECT No: 8668
Drawn	:	d a l	17/03/93	MAP No: FILE: 8668 X
Supervised	:	R E Godsiolo	02/03/93	Scale : 1 : 2000 (metres)
Revised	:			0 20 40 60 80

480m

47+20mN

48+00mN

48+80mN

49+60mN

50+40mN

51+20mN

52+00mN

P-583883
Az. 345°
Dip. -45°

CA61-04

9c(He)

10

9c(Ch, He)

10

27(Ch, Si)

9

27(Ch, Si)

5s

10

2m(Ch, Cb)

2m(Si, Bl)

9d

2m(Si, Bl)

4m(Se)

3/4mSe, Ch

2m Ch

2m(Ch, Cb)

9d

2m(Cb, Ch)

9d

2m(Cb, Ch)

395.00m.

400m

320m

240m

160m

80m

0m

-80m

47+20mN

48+00mN

48+80mN

49+60mN

80m

0m

-80m

-160m

47+20mN

48+00mN

48+80mN

49+60mN

50+40mN

-240m

LEGEND

Geology

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FALCONBRIDGE LIMITED

Exploration Division Timmins, ONTARIO

GENOA/HEENAN CLAIMS

ROTATED DRILL SECTION L 173+00 E (+/-50m)

LOOKING SOUTHWEST (345°) GENOA & MARION Twps.

Traced	:	FROZES	12/03/93	NTS : 41-0/16	PROJECT No: 8668
Drawn	:	d e l	17/03/93	MAP No:	FILE: 8668 L
Supervised	:	R E Gadiolo	02/03/93	Scale :	1 : 2000 (metres)
Revised	:				0 20 40 60 80

ASSM'T FILES

Ministry of Northern Development and Mines
Ontario

Report of Work Conducted After Recording Claim

Transaction Number
W9360.00056

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

41016SE9057 14 GENOA

900

uestions about
Cedar Street,

Instructions:
- Please type or print and submit
- 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)		Client No.
FALCONBRIDGE LIMITED		130679
Address		**Telephone No.**
P.O. BOX 1140, 571 MONETA AVENUE, TIMMINS, ON, P4N 7H9		(705)267-1188
Mining Division	**Township/Area**	**M or G Plan No.**
PORCUPINE	MARION AND GENOA	G-1131, G-1174
Dates Work Performed From: 30/09/92	To: 02/12/92	

Work Performed (Check One Work Group Only)

	Work Group	Type
	Geotechnical Survey	DIAMOND DRILLING WITH ASSAYS AND WPA
	Physical Work, Including Drilling	
	Rehabilitation	
	Other Authorized Work	
	Assays	
	Assignment from Reserve	

ONTARIO GEOLOGICAL SURVEY
GIS - ASSESSMENT FILES
MAY 20 1993
RECEIVED

RECORDED
MAR 24 1993
Receipt

Total Assessment Work Claimed on the Attached Statement of Costs $ 220,700.00

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
ALEX GAGNON NOREX DRILLING LIMITED	P.O. BOX 88, PORCUPINE, ON, P0N 1C0
R.E. GADZALA FALCONBRIDGE LIMITED	P.O. BOX 1140, 571 MONETA AVENUE, TIMMINS, ON, P4N 7H9

(attach a schedule if necessary)

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

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date	Recorded Holder or Agent (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
R.E. GADZALA, c/o FALCONBRIDGE LIMITED, P.O. BOX 1140, 571 MONETA AVENUE, TIMMINS, ON, P4N 7H9

Telepone No.	Date	Certified By (Signature)
(705)267-1188	March 24/93	R. Gadzala

For Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder	Received Stamp
$ 220,700.00	MARCH 24/93	S. White	RECEIVED PORCUPINE MINING DIVISION MAR 24 1993
	Deemed Approval Date JUNE 22/93	Date Approved	
	Date Notice for Amendments Sent		

0241 (03/91)

Work Report Number for Applying Reserve	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
	P-583883	1	$10,908.00	Ø	Ø	$10,908.00
	P-583882	1	$20,333.00	Ø	Ø	$20,333.00
	P-583881	1	$143,560.00	Ø	Ø	$143,560.00
	P-583878	1	$6,383.00	Ø	Ø	$6,383.00
	P-583868	1	$12,309.00	Ø	Ø	$12,309.00
	P-583867	1	$11,524.00	Ø	Ø	$11,524.00
	P-583866	1	$10,759.00	Ø	Ø	$10,759.00
	P-583863	1	$4,924.00	Ø	Ø	$4,924.00
	8		$220,700.00	Ø	Ø	$220,700.00
	Total Number of Claims		Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

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:

1. ☐ Credits are to be cut back starting with the claim listed last, working backwards.
2. ☒ Credits are to be cut back equally over all claims contained in this report of work.
3. ☐ Credits are to be cut back as priorized 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	Date

0241 (03/91)

Ontario

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des mines

Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation

Mining Act/Loi sur les mines

Transaction No./N° de transaction W9360.00056

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, 4e étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre		
	Field Supervision Supervision sur le terrain	$1500.00	$1500.00
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type DRILLING	$207,982.00	
	ASSAYS/WRA	$10,089.00	
			$218,071.00
Supplies Used Fournitures utilisées	Type		
Equipment Rental Location de matériel	Type		
	Total Direct Costs Total des coûts directs		$219,571.00

RECORDED MAR 24 1993 Receipt

2. Indirect Costs/Coûts indirects

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

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type TRUCK RENTAL	$1000.00	
	GAS	$129.00	
Food and Lodging Nourriture et hébergement			
Mobilization and Demobilization Mobilisation et démobilisation			
	Sub Total of Indirect Costs Total partiel des coûts indirects		$1129.00
	Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)		$1129.00
	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		$220,700.00

PORCUPINE MINING DIVISION RECEIVED MAR 24 1993

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

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

Filing Discounts

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

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

Total Value of Assessment Credit		Total Assessment Claimed
	× 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
	× 0,50 =	

Certification Verifying Statement of Costs

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

that as R.E. GADZALA, (SR. FIELD GEOLOGIST) 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)

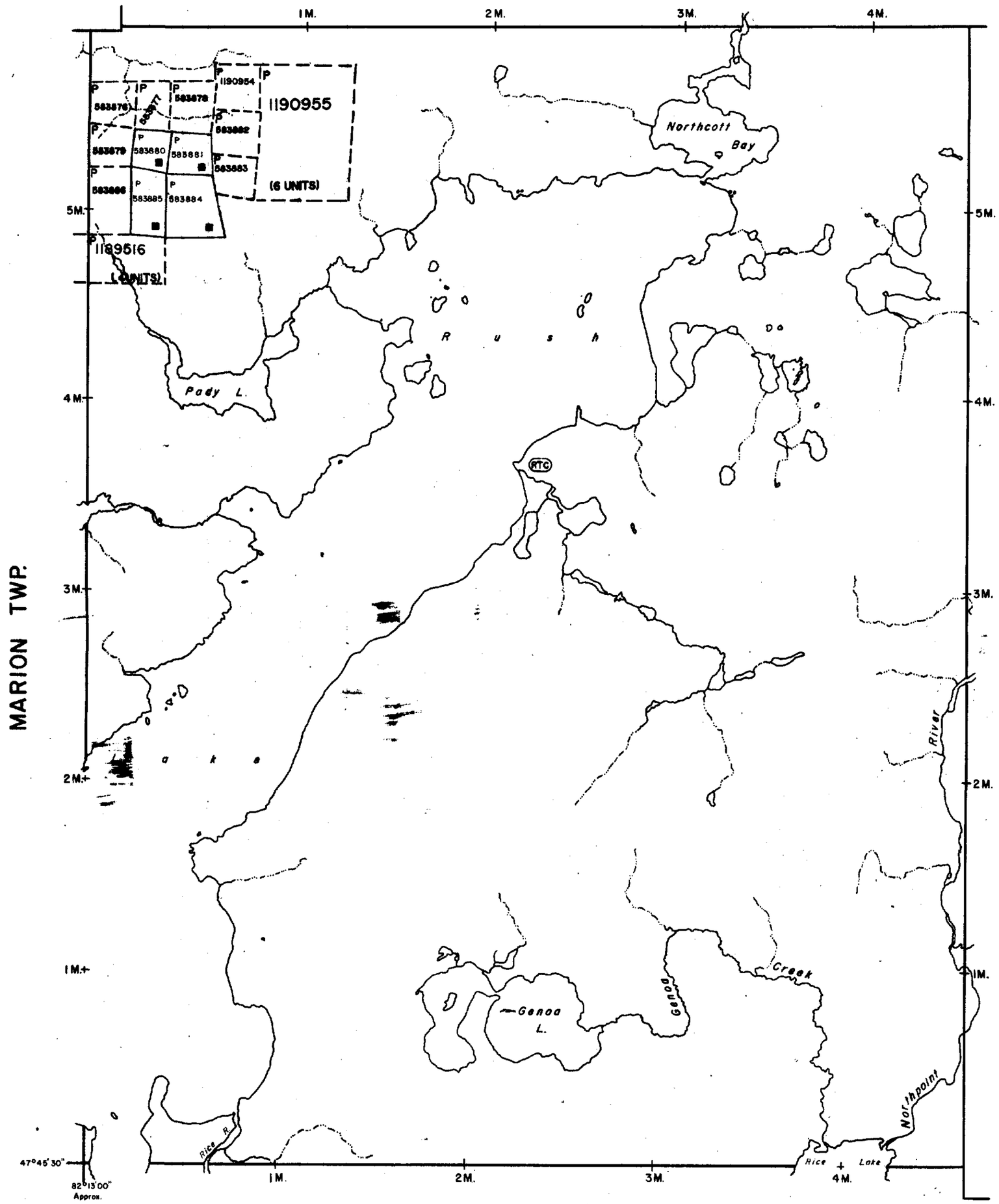
à faire cette attestation.

Signature	Date
R. Gadzala	March 24/93

0212 (04/91)

Nota : Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.

McOWEN TWP.



SCALE: 1 INCH = 40 CHAINS

FEET 0 1000 2000 4000 6000 8000

METRES 0 200 1000 (1 KM) 2000 (2 KM)

LEGEND

PATENTED LAND	(P)
CROWN LAND SALE	C.S.
LEASES	(L)
LOCATED LAND	Loc.
LICENSE OF OCCUPATION	L.O.
MINING RIGHTS ONLY	M.R.O.
SURFACE RIGHTS ONLY	S.R.O.
ROADS	
IMPROVED ROADS	
KING'S HIGHWAYS	
RAILWAYS	
POWER LINES	
MARSH OR MUSKEG	
MINES	
CANCELLED	C.

L.U.P. : LAND USE PERMIT

(RTC) REMOTE TOURIST CAMPS

NOTES

400' surface rights reservation along the shores of all lakes and rivers.

LEASE, SURFACE & MINING RIGHTS ■

TOWNSHIP

GENOA

M.N.R. ADMINISTRATIVE DISTRICT

CHAPLEAU

MINING DIVISION

PORCUPINE

LAND TITLES / REGISTRY DIVISION

SUDBURY

Ontario Ministry of Natural Resources

Ministry of Northern Development and Mines

Date
REVISED FEB. 1990
ACTIVATED AUGUST 18, 1992
BY D.C.
CHECKED BY B.B.

Number
G-1131

41016SE9057 14 GENOA