DIAMOND DRILLING

TOWNSHIP: ROBB **REPORT NO:** #43

WORK PERFORMED FOR: Falconbridge Ltd.

RECORDED HOLDER: Same as Above (xx)
: Other ( )

Claim No.	Hole No.	Footage	Date	Note
P997534	R44-1	386.0m	Feb/89	(1)
P997537				
P997534				

NOTES: (1) W8906-460 date filed Oct/89

FALCONBRIDGE LIMITED

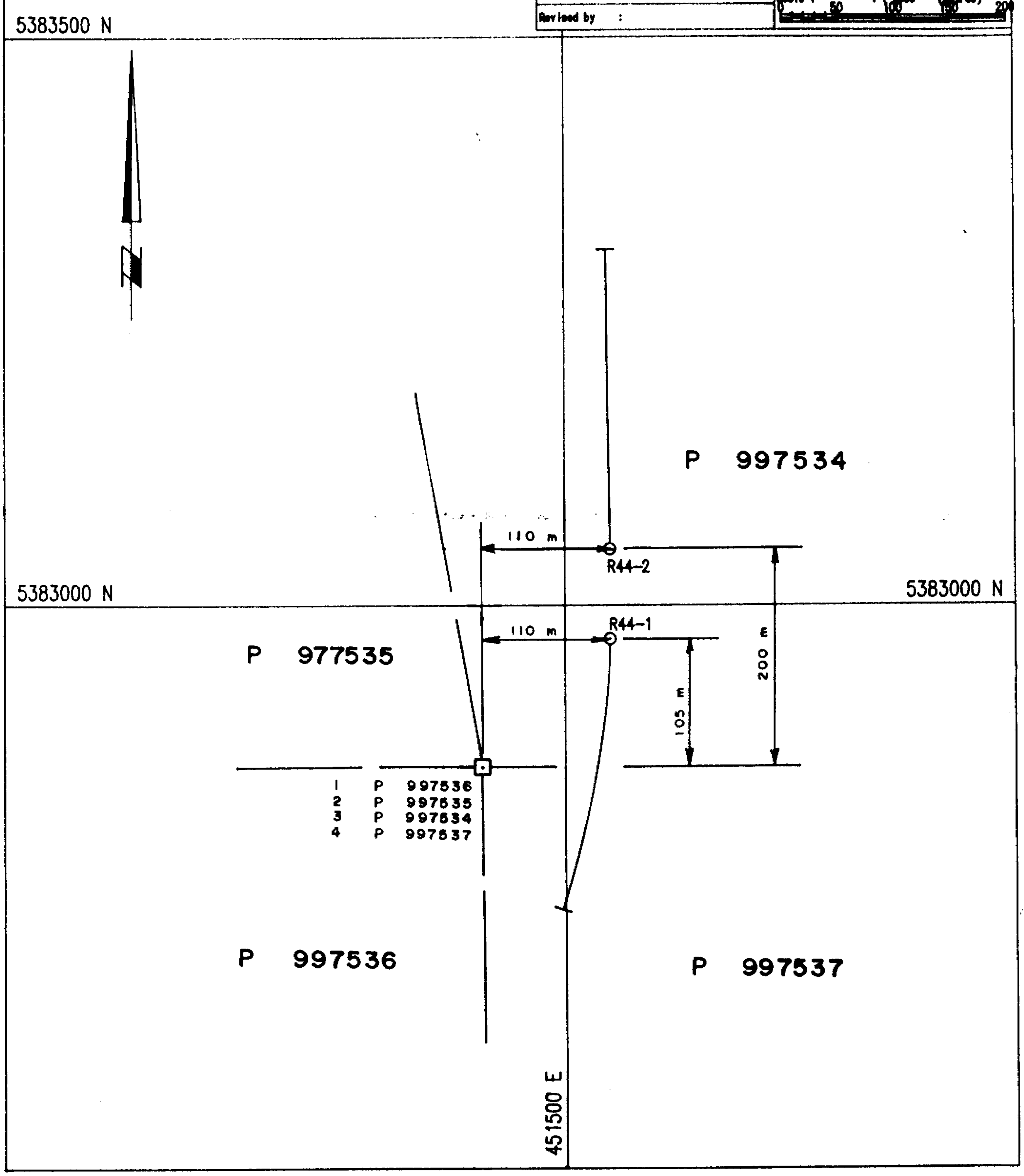
Exploration Division   Timmins, ONTARIO

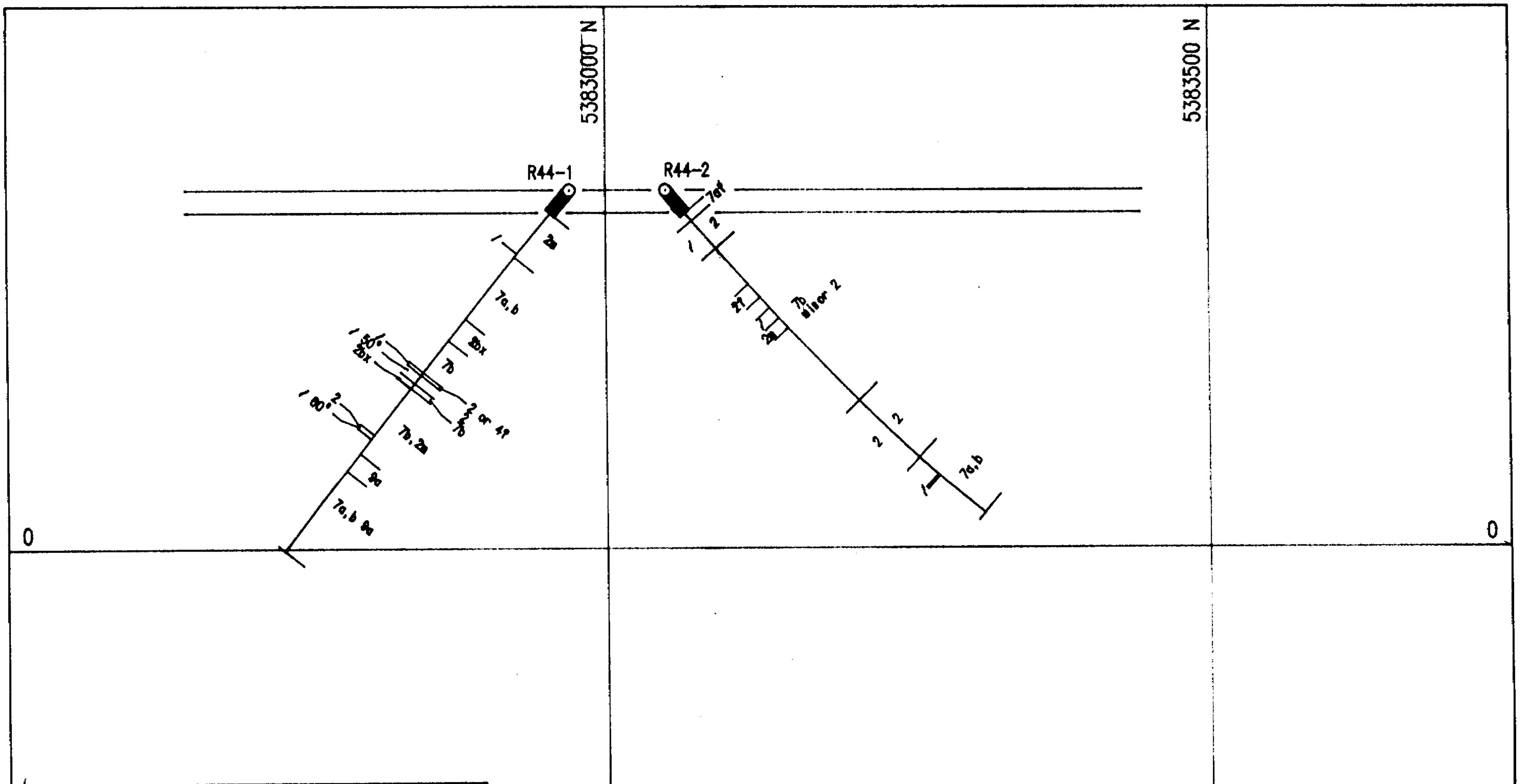
ROBB 44

DIAMOND DRILL PLAN

ROBB Twp.

Traced by	: [illegible] [illegible]	Approved by	: Kim Voytink
Drawn by	: [illegible] [illegible]	Plan no.	: [illegible]
Supervised by	: K Wytnik 27/03/[illegible]	Scale :	1 : 2000 (metres)
Revised by	:		





LEGEND

MAJOR ROCK DIVISION

TEXTURAL/CHEMICAL MODIFIERS

5383000 N

FALCONBRIDGE LIMITED

Exploration Division — Timmins, ONTARIO

ROBB 44

DIAMOND DRILL SECTION

LOOKING WEST — ROBB Twp.

Traced by :		20/03/89
Drawn by :		20/03/89
Supervised by : K Wrytiuk		27/03/89
Revised by :		
Approved by :		
Plan no. :		
Scale : 1 : 5000		

FALCONBRIDGE LTD
DRILL HOLE RECORD

HOLE NUMBER: R44-1 IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: 8142
PROJECT NUMBER: 8142
CLAIM NUMBER:
LOCATION: ROBB

PLOTTING COORDS GRID: UTM
NORTH: 5382970.00N
EAST: 451540.00E
ELEV: 298.00

ALTERNATE COORDS GRID:
NORTH: 9+20W
EAST: 5+ 0W
ELEV: 0.00

COLLAR DIP: -50° 0' 0"
LENGTH OF THE HOLE: 386.00m
START DEPTH: 0.00m
FINAL DEPTH: 386.00m

COLLAR GRID AZIMUTH: ° ' "

COLLAR ASTRONOMIC AZIMUTH: 180° 0' 0"

DATE STARTED: February 22, 1989
DATE COMPLETED: February 27, 1989
DATE LOGGED: February 28, 1989

COLLAR SURVEY: NO
MULTISHOT SURVEY: NO
RQD LOG: NO

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

CONTRACTOR: BRADLEY'S
CASING:
CORE STORAGE:

PURPOSE: To test HLEM anomaly.

DIRECTIONAL DATA:

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
79.00	186° 0'	-51° 0'	SING.SHOT	OK	
139.00	189° 0'	-51° 0'	SING.SHOT	OK	
199.00	190° 0'	-51° 0'	SING.SHOT	OK	
259.00	194° 0'	-51° 0'	SING.SHOT	OK	
319.00	194° 0'	-51° 0'	SING.SHOT	OK	
379.00	198° 0'	-51° 0'	SING.SHOT	OK	

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

Kim Moytiuk

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 25.00	OVERBURDEN «|ob|»					
25.00 TO 72.50	MASSIVE MAFIC VOLCANIC «2m» or Intrusive?	-dark green, massive. -fine grain. -non magnetic. 40.5-41.0- -80% white quartz-carbonate veins at 60° to core axis with minor epidote/sericite. -blotchy medium to coarse grain only locally, could this be an intrusive rock? -non magnetic. -locally minor pervasive bleaching. -1-2% carbonate amygdules (1cm x 5mm) often with quartz and sometimes looks like chlorite has infilled the amygdules. -see good example at 50.0m. 68.9-69.0 FAULT -2cm wide fault gouge. -at 69.0 - moderate shearing at 60° to core axis. |68.9-69.0| «|S0,60°|»		-weak chlorite in blebs adjacent to quartz veins. -minor spotty bleaching. |68.5-72.5| «Ch» -moderate chlortie in fractures (5%) and spotty (very soft).	-1-2% disseminated pyrite in veins. -overall less than 1% disseminated pyrite.	25.0-35.0 -very badly broken core. -could this be mafic intrusive?
72.50 TO 138.10	MASSIVE MAFIC INTRUSIVE «7a,b»	72.5 -10cm wide zone of broken core and gouge dark green colour. 72.5-78.0 -10% white yellow mm size leucoxenes? -fine grain, dark green. 78-86.5 Massive Mafic Intrusive -medium grain with 1-2% white feldspar phenocrysts, vary in size from 1cm x 1cm to 1mm x 1mm. -pale grey green colour. -non magnetic. -massive mafic intrusive (may just be a baking due to being near quartz veins) is intercalated or intruded by zones of fine grain mafic dikes or intrusive dark green with 10% leucoxenes occur: 86.8-89.5 99.5-101.3 104.8-105.0		less than 1% disseminated pyrite. -2-5% quartz veins contorted, pale yellow white and minor epidote alteration associated with veins. 116.8 - some minor red-pink hematite staining in quartz-carbonate veins.	99.0-99.5 - 20% quartz-veins with sericite and epidote at 60° to core axis. -some more prominent white quartz veins occur: 102.7-102.9 at 85° to core axis.	69.0-74.0 - broken core. 86-86.3 - broken core. 87.5-87.8 - broken core. 99-99.5 - broken core.

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
138.10 TO 161.20	MAFIC FRAGMENTAL OR MAFIC BRECCIA «2bx»	-contact at 138.10 is at 50° to core axis. -fine grain mafic matrix. -colour dark grey green to light grey. -weak foliation at 55° to 60° core axis from 138.1 to 140.5. 140.5-144.0 MAFIC BRECCIA -really strange rock? -locally fine grain dark green matrix. -massive mafic intrusive fragments in fine grain volcanics. -locally massive mafic intrusive (medium grain) with 2% feldspar phenocrysts matrix with mafic massive volcanic fragments in intrusive matrix and locally looks insitu brecciated. 144-146.0 -massive mafic volcanic. -fine grain. -pale grey colour. 146.2-161.2 MAFIC BRECCIA (mainly due to insitu brecciation?) -pale yellow green colour. -fairly hard - looks on fresh surface like felsic rock. -5% white feldspar phenocrysts (mm x mm). -2-5% grey quartz amygdules and minor chlorite in amygdules. -5% white quartz veinlets. -locally pinkish tinge to rock where looks like pink feldspar fragments? -locally see description as per 140.5 to 144.0.		-weak fracture controlled chlorite. 140-140.5 is really siliceous, cherty, pale green yellow grey. -locally spotty silicification and locally spotty epidote alteration. -weak pervasive silicification. {146-161.2} {«bleaching» «Si» -spotty to pervasive moderate bleaching and silicification (cherty).	-overall less than 1% disseminated pyrite. 138.2-138.3 - 2% 1cm wide stringers of pyrrhotite and in blebs parallel to foliation with 1% blebs of chalcopyrite in pyrrhotite. -1% blebs of pyrrhotite in carbonate veins. 146-146.2 -5% pyrrhotite in blebs and stringers. -speck chalcopyrite in pyrrhotite. 146.2-161.2 -less than 1% disseminated pyrite and or pyrrhotite.	
161.20 TO 195.10	MASSIVE MAFIC INTRUSIVE «7b»	-pale green grey. -massive. -medium to coarse grain. -locally magnetic where pyrrhotite is more abundant. -1-2% quartz and quartz carbonate veins. -5-10% white leucoxenes. (gabbro or diorite) probably gabbro. 194-195.10 - fine grain.		-weak pervasive epidote alteration. -locally rock has pale yellow green sections of weak pervasive silicification (very hard).	-overall less than 1% disseminated pyrite and pyrrhotite. 164-166 - 5-10% disseminated pyrrhotite.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
195.10 TO 198.10	SERICITE SCHIST «2 or 4?»	«┤S2,60°├» -contact at 195.10 is at 60° to core axis. -strong foliation at 60° to core axis. -colour is pale yellow green. -fine grain. -not sure what composition of rock is, mafic or felsic? -could be sediment? or sheared felsic? ash tuff. -cannot tell because so sheared. -very siliceous locally.		-moderate to strong fracture controlled sericite alteration. «Se»	-overall 1-2% disseminate pyrite and pyrrhotite and in fracture. -1-2% 5mm to 1cm wide pyrrhotite stringers associated with carbonate veins (could be sphalerite in pyrrhotite, with reddish tinge. 195.10-195.30 - carbonate-quartz vein at 60° to core axis. 196.2-196.3 - quartz-carbonate vein contorted and minor graphite infracture. 198.0-198.10 - 50% carbonate vein wit 5% disseminated pyrrhotite in fractures. 198.10-198.4 - 2-3% stringer and pyrrhotite and pyrite.	
198.10 TO 206.80	SHEARED MAFIC VOLCANIC «2»	-contact at 198.10 is adjacent to carboante vein at 50° to core axis. -«┤S2 50°├» -strong shearing at 50°- 45° to core axis. 201.5-206.8 -weak foliation at 50°- 45° to core axis. 201.5-206.8 -mafic rock with spotty zones of grey cherty material and then looks like xenoliths of gabbro in rock - migmatic i.e. 205.0-206.2 silicified gabbro?		-weak fracture controlled sericite. -spotty strong silicification (grey) really hard.	198.10-202.5 - 2-3% stringer and fracture controlled pyrrhotite and pyrite speck chalcopyrite. 202.5- 1% stringers and fracture controlled pyrrhotite and pyrite and disseminated.	
206.80 TO 211.80	MASSIVE MAFIC INTRUSIVE «7b»	206.8-211.8 MASSIVE MAFIC INTRUSIVE -dark grey green, medium grain. -massive.		-weak pervasive baking?-fairly hard.	-less then 1% quartz veinlets and stringers of pyrrhotite.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
211.80 TO 281.40	MASSIVE MAFIC INTRUSIVE WITH ZONES OF FINE MASSIVE MAFIC VOLCANIC AS XENOLITHS «7b,2m»	211.8-212.4-is hard to describe. -looks like massive mafic intrusive intercalated with zones varying in width from 10cm to 1m wide of white extremely siliceous material, sometimes these siliceous zones have sharp contacts and other times they are gradational to host rock and probably alteration. -the host mafic intrusive rock is dark grey, fine to medium grain (grades locally). -locally up to 25% feldspar (white phenocrysts). -massive. -overall 1-2% white quartz veins. ┤211.8-212.4├ «2bx» Mafic Breccia -white to cream grey. -looks cherty. -strong foliation (almost looks bedded) at 10° to core axis. -insitu brecciation by quartz veins and looks like clasts (80%) in a green grey fine grain mafic matrix. 212.4-213.5 -massive mafic intrusive? fine grain grey colour. 213.5-214-see description as per 211.8-212.4. 212.4-250 - massive mafic intrusive every 1 meter 20cm wide zone very silicified (white). -varies from fine to medium grain. 226-250 - more green grey colour. 250-261.5 - grey colour massive. -fine to medium grain. ┤261.5-266├ «2» SHEARED MAFIC VOLCANICS -strong foliation at 60° to core axis. -grey green colour. -up to 20% carbonate blebs and veinlets. ┤261.5-266├ «┤S2 60°├» 266-274.7 -contact at 266 is at 70° to core axis.		-spotty to locally pervasive strong silicification (white). -minor fracture controlled epidote alteration associated with quartz veins. ┤211.8-226├ «Si» 226-250 - not as altered weak fracture controlled chlorite. 261.5-266 - weak to moderate fracture controlled sericite and carbonate alteration (fizzes with acid). 266-281.4 - weak fracture controlled carbonate.	211.8-212.4 - 2-5% pyrrhotite stringers and blebs. 212.4-213.2 - 1% pyrrhotite in veinlets. -1% pyrrhotite stringers (reddish tinge could have sphalerite in it). 232.5-234.5 - 2-3% stringers of pyrrhotite 1cm wide with 1% blebs chalcopyrite. 261.5-266 - 2-5% disseminated and blebs.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		-fine grain massive locally spotty zones look like intrusive rock. 274.7 - looks more intrusive? - looks like intusive has come in and only see minor clasts or 1-2m wide zones of mafic volcanic, fine grain.			less than 1% disseminated pyrite and pyrrhotite.	
281.40 TO 299.80	MASSIVE FELSIC INTRUSIVE «9a»	-massive. -white colour, fine grain. -20% black circular phenocrysts? -very siliceous. -20% of rock is mafic intrusive - can see where mafic intrusive has come in and ripped felsic rock apart up to 20% mafic blebs in felsic rock. -locally mafic intrusive rock seems to be intruding felsic intrusive? (this rock is really altered). -5% quartz veins mm wide causing insitu brecciation of felsic rock. 299-299.3 - Massive Mafic Intrusive.		-weak epidote (green) in veinlets.	1% disseminated pyrite and in blebs and veinlets.	
299.80 TO 386.00	MASSIVE MAFIC INTRUSIVE «7a,b 9a» WITH XENOLITHS OF FELSIC INTRUSIVE ROCK	-pale green colour, massive. -fine grain to medium grain. -2-5% white feldspar phenocrysts. -xenoliths of felsic intrusive rock same description as per 281.4-299.8 occur as follows: The mafic-felsic intrusive contacts are contorted with mafics, can see chilled margin in mafic rock 305.8-309.5 312.5-316.7 317.2-318.5 323.4-325.7 326.4-327.3 328.8-328.9 332.0-332.3 337.6-338.0 338.2-338.3 340.3-340.5 341.9-347.0 347.1-342.2 344.8-345.5 355.6-356.4		-weak fracture controlled chlorite (relatively unaltered).	less than 1% disseminated pyrite. 305.7-305.8: -15% blebs of chalcopyrite 1cm x 1cm + 5% pyrrhotite in stringers and blebs over 10cm and disseminated. 353.9-354 - quartz vein at 45° to core axis.	{305-305.8} «0.34%Cu/0.8» -note broken core from 318.3-318.5.

HOLE NUMBER: R44-1

FALCONBRIDGE LTD
DRILL HOLE RECORD

DATE: 22-March-1989

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		357-386 -massive. -coarse to medium grain. -reddish grey tinge to core. -looks like coming near a diabase. -where rock has reddish tinge. -looks like 20% plagioclase or quartz crystals.		357-386 -baked look.		
386.00 TO 386.00	END OF HOLE					

FALCONBRIDGE LTD
DRILL HOLE RECORD

HOLE NUMBER: R44-2 IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: 8142
PROJECT NUMBER: 008142
CLAIM NUMBER:
LOCATION: ROBB

PLOTTING COORDS GRID: UTM
NORTH: 5383050.00N
EAST: 451540.00E
ELEV: 298.00

ALTERNATE COORDS GRID: LINE
NORTH: 10+ 0N
EAST: 5+ 0W
ELEV: 0.00

COLLAR DIP: -50° 0' 0"
LENGTH OF THE HOLE: 377.00m
START DEPTH: 0.00m
FINAL DEPTH: 377.00m

COLLAR GRID AZIMUTH: 360° 0' 0"
COLLAR ASTRONOMIC AZIMUTH: 360° 0' 0"

DATE STARTED: February 28, 1989
DATE COMPLETED: March 5, 1989
DATE LOGGED: March 6, 1989

COLLAR SURVEY: NO
MULTISHOT SURVEY: NO
RQD LOG: NO

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

CONTRACTOR: BRADLEY'S
CASING:
CORE STORAGE:

PURPOSE: To test HLEM anomaly.

DIRECTIONAL DATA:

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
60.00	360° 0'	-49°30'	SING.SHOT	OK	
120.00	358° 0'	-47° 0'	SING.SHOT	OK	
180.00	359° 0'	-46° 0'	SING.SHOT	OK	
240.00	360° 0'	-46° 0'	SING.SHOT	OK	
300.00	360° 0'	-42° 0'	SING.SHOT	OK	
360.00	359° 0'	-40° 0'	SING.SHOT	OK	

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

Kim Woytiuk

HOLE NUMBER: R44-2

FALCONBRIDGE LTD
DRILL HOLE RECORD

DATE: 28-March-1989

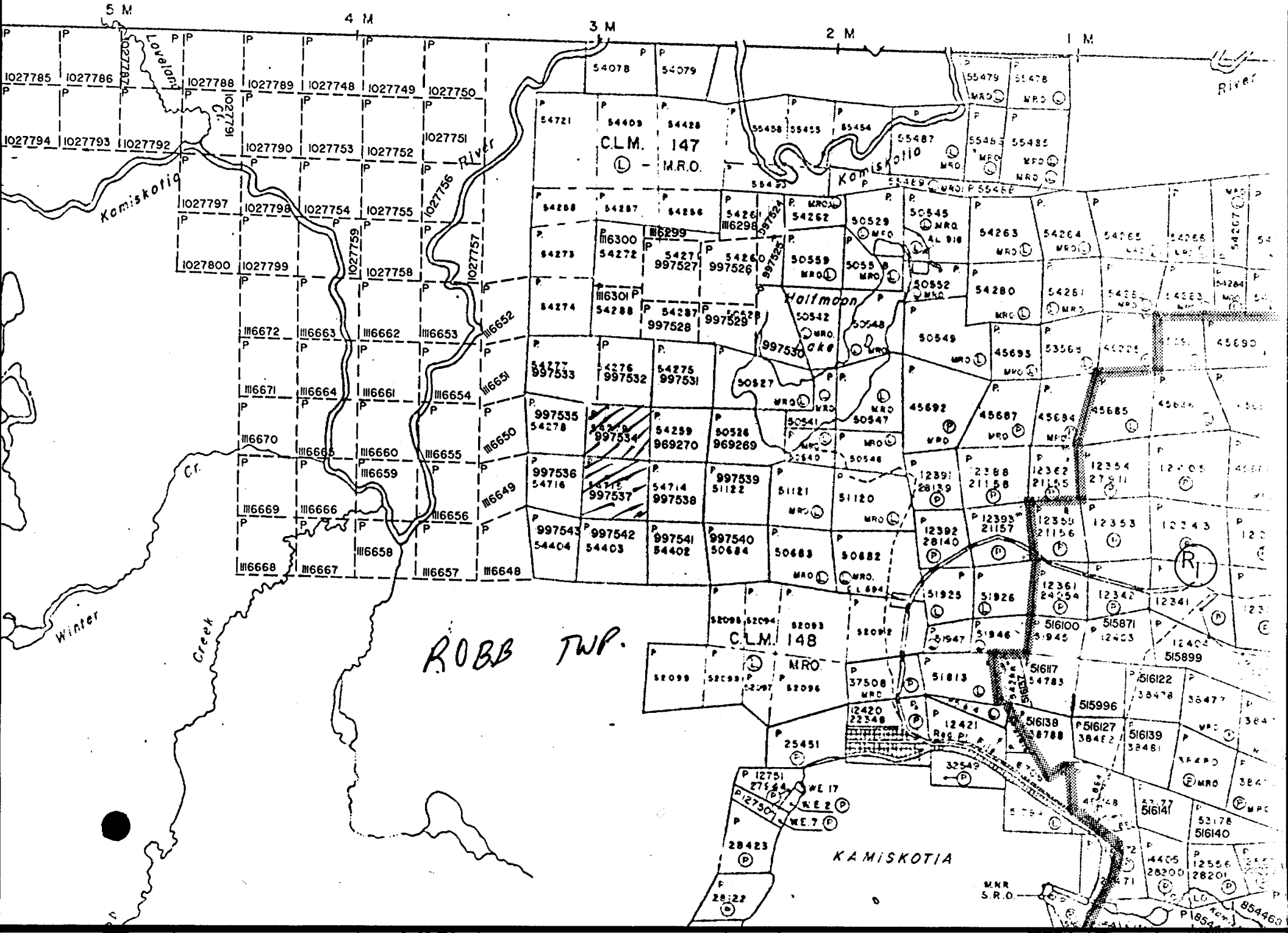
FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 25.00	CASING «{ob}»					
25.00 TO 33.50	MASSIVE MAFIC VOLCANIC OR INTRUSIVE «7a?»	-dark green -fine grain, massive -15% white leucoxenes? mm size 25-33.5 Massive			-less than 1% disseminated pyrite	
33.50 TO 64.20	SHEARED MAFIC VOLCANIC «2»	-can't see contact at 33.5, minor broken core Sheared Mafic Volcanic 35.5-40 -weak to moderate foliation at 45-50° to core axis. «{S2,45°}» 42.0 - 1cm wide fault gouge clay -2-5% quartz blebs and veins, often parallel to foliation -pale grey green colour 40-64.2 - moderate to strong foliation at 40° to core axis. -pale grey green colour 63.6-64.2 - fine grain baking, very hard and siliceous		-weak fracture controlled chlorite and carbonate {42.0-64.2} «Ch» -weak to moderate fracture controlled chlorite		
64.20 TO 237.00	MASSIVE MAFIC INTRUSIVE (GABBRO) «7b» «minor 2»	-contact at 64.2 is at 45° to core axis -64.2-65.0 - fine grain 65.0-75.0: -medium grain to fine grain matrix with 5-25% white feldspar phenocrysts, feldspar are glomeroporphyritic -massive -1-2% quartz and quartz carbonate veins often at 50° to core axis with chlorite in veins -pale green colour 75-89 - medium to coarse grained 89-104 - medium to fine grain darker green colour -at 98.0 - weak foliation at 55° to core axis		«Ep» -epidote alteration adjacent to quartz veins and pervasive to spotty i.e. feldspars are pale green colour	-less than 1% disseminated pyrite	82.8-83.2 broken core

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		⌊104-118.5⌋ «2?» Mafic Volcanic? -dark grey colour -weak foliation at 50° to core axis -rock is beginning to look variolitic with 50% 2mm x 2mm varioles? white colour (carbonate?) - not hard, can scratch with knife and these varioles or phenocrysts? are elongated parallel to foliation and they are elipsoid in shape to circular in a finer grain mafic matrix (green) 118.5-119 - fining downhole 118.5-130.2 - dark green colour -fine grain with 20% leucoxenes? or feldspar phenocrysts average size 1mm x 1mm 130.2-141.4 SHEAR ZONE -weak to moderate foliation at 60° to core axis ⌊130.2-141.4⌋ «⌊S2,60°⌋»		⌊130.2-141.4⌋ «Se» -weak fracture controlled chlorite and epidote/sericite (yellowy green colour) 141-141.4 - brown stain to rock, oxidation? or carbonate staining	129.8-130.2 - contorted white quartz vein with 10% chlorite blebs in vein 130.4-130.5 - white quartz vein at 60° to core axis with 5% chlorite in blebs 132-132.5 - white quartz vein with 1-2% chlorite clasts in vein - no visible sulphides -contact at 132.5 is at 55° to core axis and is 5mm of gouge in adjacent host rock 133.4-133.5 - white quartz vein is at roughly 55° to core axis, contorted contacts 134.5-135.0 - white quartz vein -contact at 134.5 is at 75° to core axis 135.5-135.6 - white quartz vein 136.4-136.6 - white quartz vein -contact at 136.4 is at 50° to core 139.8-139.9 - white quartz vein	
		140.3-140.7 - 3 quartz veins contorted (white) ⌊141.5-152.8⌋ «2m» -massive, fine grain -pale grey green colour -very very weak foliation at 50° to core axis -could be massive mafic volcanic? or mafic dike? -152.8 - contact at ? 50° to core axis 152.8-153.5 -fine grain, massive -dark green -chilled margin -massive mafic intrusive		141.5-152.8 - weak fracture controlled chlorite 152.5-152.8 - baking, pervasive silicilified 152.8-237 -weak fracture controlled epidote alteration adjacent to veins	182.6-182.7 -quartz carbonate vein (white) at 60° to core axis with 5% mafic (chlorite) clasts in vein with 1% disseminated chalcopyrite in vein and 2-3% blebs of	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		153.5-155.0 - medium grain 155.0 - 237 -medium to coarse grain -dark green -massive -5-10% feldspar phenocrysts 185-187.2 -fine to medium grain mafic dike? -sharp contact at 187.2 is at 65° to core axis			pyrrhotite	
237.00 TO 305.40	MAFIC VOLCANICS «2»	┤237-305.4├ «2» MAFIC VOLCANICS -fine to medium grain, dark green, no visible contact -from 237 to 237.5 - fining downhole but no contact, just a gradation -looks like fine grain mafic volcanic? -dark green -very weak foliation? at 65° to core axis -locally varies from 2-5% carbonate amygdules, average size.		-weak fracture controlled sericte and chlorite ┤290.0-305.4├«bleaching» -weak spotty bleaching -minor fracture controlled silicification	240-240.1 - 2-3% chalcopyrite in blebs and pyrrhotite in stringers and in quartz carbonate overall 1-2% disseminated pyrite and pyrrhotite 276.0 -1cm wide quartz-carbonate vein at 65° to core axis with 2-3% pyrite and chalcopyrite in blebs 281.3 -2mm wide veinlet of carbonate with 2-3% disseminated pyrite and chalcopyrite 288.9 -1cm wide carbonate chlorite vein with 2-3% pyrite and chalcopyrite overall 237-305.4 2-3% pyrite in blebs and cubes	
305.40 TO 377.00	MASSIVE MAFIC INTRUSIVE «7a,b»	305.4-311 Massive Mafic Volcanic or fine grained intrusive rock -dark green -fine grain -contact at 305.4 is roughly at 65° to core axis				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		311-326.3 -medium grain -massive, dark green -1-2% quartz and carbonate veins 326.3-328.5 @ S2,55° -moderate foliation at 55° to core axis. 328.5-344.6 -locally weak foliation at 55-60° to core axis -up to 20% mm size carbonate flecks ? or leucoxenes, white, fine grain matrix 341-342.0 - contorted contact with fine grain massive mafic volcanic or dike? 344.6-368.5 - colour dark grey green, fine grain -massive -2% carbonate fleck or leucoxenes 368.5-377.0 -fine grain, dark green could be massive mafic volcanic -2-3% carbonate blebs and quartz blebs and in veinlets -weak foliation at 50° to core axis		-weak epidote alteration adjacent to quartz veins and chlorite in fractures and locally minor hematite in veinlets 368.5-377 - moderate chlorite in fracture	-overall less than 1% disseminated pyrite -at 313.7 - 1mm x 1mm blebs of chalcopyrite in carbonate veinlets 2mm wide 335-377 - 2-3% disseminated pyrite	
377.00 TO 377.00	END OF HOLE					

LOVELAND TP. M.293



Ministry of Northern Development and Mines
Ontario

Report of Work

DOCUMENT No. W 8906.460

Mining Act

42A12SE0227 43 ROBB

900

Name and Postal Address of Recorded Holder

Falconbridge Limited

P.O. Box 1140, 571 Moneta Avenue, Timmins, Ontario P4N 7H9

1 A 21041

Robb

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed: 2503

for Performance of the following work. (Check one only)

- [ ] Manual Work
- [ ] Shaft Sinking Drifting or other Lateral Work.
- [ ] Compressed Air, other Power driven or mechanical equip.
- [ ] Power Stripping
- [X] Diamond or other Core drilling
- [ ] Land Survey

Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.
See attached schedule								

ONTARIO GEOLOGICAL SURVEY
ASSESSMENT FILES OFFICE
OCT 13 1989
RECEIVED

All the work was performed on Mining Claim(s): P-997534, P-997537

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

A total of 763m of BQ diamond drill core was received and logged from holes R44-1, and R44-2 between February 22 and March 5, 1989. This meterage, equivalent to 2503 days of work, lies within claims P-997534 (554.0m or 1817.6 days) and P-997537 (209m or 685.7 days).

The holes were drilled by Bradley Bros. Ltd., diamond drill contractors, Box 485 Timmins, Ontario, P4N 7E7. The machine used on this job was a Boyles 35A.

R44-1 = P-997534 (177M)
P-997537 (209 M).

R44-2 = 377M on P-997534.

RECORDED
APR 13 1989

RECEIVED
APR 13 1989
1:00 p.m.
DC.

Date of Report: 89/4/3

Recorded Holder or Agent (Signature): W. Paul Bruney

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying

K. Woytiuk, Falconbridge Limited P.O. Box 1140, 571 Moneta Ave

Timmins, Ontario, P4N 7H9

Date Certified: March 30, 1989

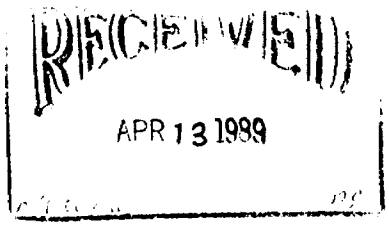
Certified by (Signature): Kim Woytiuk

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work Shaft Sinking, Drifting or her Lateral Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Compressed air, other power driven or mechanical equip.	Type of equipment		
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.	Names and addresses of owner or operator together with dates when drilling/stripping done.	Work Sketch (as

SCHEDULE

CLAIM #	NO. OF DAYS	TOWNSHIP
P- 969269	120.	ROBB
P- 969270	120.	ROBB
P- 997524	60.	ROBB
P- 997525	120.	ROBB
P- 997526	103.	ROBB
P- 997527	60.	ROBB
P- 997528	120.	ROBB
P- 997529	120.	ROBB
P- 997530	120.	ROBB
P- 997531	120.	ROBB
P- 997532	120.	ROBB
P- 997533	120.	ROBB
P- 997534	120.	ROBB
P- 997535	120.	ROBB
P- 997536	120.	ROBB
P- 997537	120.	ROBB
P- 997538	120.	ROBB
P- 997539	120.	ROBB
P- 997540	120.	ROBB
P- 997541	120.	ROBB
P- 997542	120.	ROBB
P- 997543	120.	ROBB
TOTAL DAYS	2,503.0	



WPB

Ministry of Northern Development and Mines

Ontario

Report of Work

Mining Act

Instructions — Supply required data on a separate form for each type of work to be recorded (see table below).
— For Geo-technical work use form no. 1362 "Report of Work (Geological, Geophysical, Geochemical and Expenditures)".

Name and Postal Address of Recorded Holder	Prospector's Licence No.
Falconbridge Limited P.O. Box 1140, 571 Moneta Avenue, Timmins, Ontario P4N 7H9	A 21647

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed: 2503

for Performance of the following work. (Check one only)

- [ ] Manual Work
- [ ] Shaft Sinking Drifting or other Lateral Work.
- [ ] Compressed Air, other Power driven or mechanical equip.
- [ ] Power Stripping
- [X] Diamond or other Core drilling
- [ ] Land Survey

Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.
See attached schedule								

All the work was performed on Mining Claim(s): P-997534, P-997537

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

A total of 763m of BQ diamond drill core was received and logged from holes R44-1, and R44-2 between February 22 and March 5, 1989. This meterage, equivalent to 2503 days of work, lies within claims P-997534 (554.0m or 1817.6 days) and P-997537 (209m or 685.7 days).

The holes were drilled by Bradley Bros. Ltd., diamond drill contractors, Box 485 Timmins, Ontario, P4N 7E7. The machine used on this job was a Boyles 35A.

RECEIVED
APR 13 1989
9:00 a.m. DC.

Date of Report	Recorded Holder or Agent (Signature)
89/4/3	W. Paul Bonney

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying		
K. Woytiuk, Falconbridge Limited P.O. Box 1140, 571 Moneta Ave Timmins, Ontario, P4N 7H9	Date Certified: March 30, 1989	Certified by (Signature): Kim Woytiuk

Table of Information/Attachments Required by the Mining Recorder

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Compressed air, other power driven or mechanical equip.	Type of equipment		
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted *within 30 days of recording.*	Names and addresses of owner or operator together with dates when drilling/stripping done.	
Diamond or other core	Signed core log showing: footage, diameter of		Work Sketch (as

SCHEDULE

CLAIM #	NO. OF DAYS	TOWNSHIP
P- 969269	120.	ROBB
P- 969270	120.	ROBB
P- 997524	60.	ROBB
P- 997525	120.	ROBB
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P- 997531	120.	ROBB
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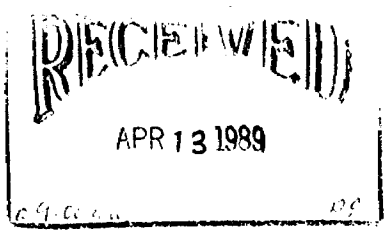
P- 997538	120.	ROBB
P- 997539	120.	ROBB
P- 997540	120.	ROBB
P- 997541	120.	ROBB
P- 997542	120.	ROBB
P- 997543	120.	ROBB
TOTAL DAYS	2,503.0	



WPB