

## DIAMOND DRILLING

TOWNSHIP: REID TOWNSHIP

**REPORT NO: #52** 

WORK PERFORMED FOR: FALCONBRIDGE LTD.

RECORDED HOLDER: SAME AS ABOVE [x]

: OTHER []

CLAIM NO.	HOLE NO.	FOOTAGE	DATE	NOTE
P 865392	MF12-12	239.00 M	MAY/90	(1)
865395-865391	MF12-13	545.00 M	May/90	(1)

NOTES:

(1) FILED JANUARY 14TH, 1990

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HOLE NUMBER: MF13-	01		FALCO	DATE: 1-February-1990 IMPERIAL UNITS: METRIC UNITS: X		
PROJECT NAME: 8 PROJECT NUMBER: 0 CLAIM NUMBER: / LOCATION: M	08150	PLOTTING C	DORDS GRID: LINE NORTH: 180.00N EAST: 2700.00E ELEV: 290.00	ALTERNATE COORD	NS GRID: NORTH: D+ 0 EAST: D+ 0 ELEV: 0.00	COLLAR DIP: -60° 0' 0" LENGTH OF THE HOLE: 320.00m START DEPTH: 0.00m FINAL DEPTH: 320.00m
		COLLAR ASTRONO	IC AZIMUTH: 180" 0' 0"	GRID ASTRONOMIC	AZIMUTH: • • •	
DATE STARTED: DATE COMPLETED: DATE LOGGED:	March 14, 1988 March 19, 1988 March 21, 1988	COLLAR SURVEY: NO MULTISHOT SURVEY: NO RGD LOG: NO		PULSE EM SURVEY: NO Plugged: Yes Hole \$128: Bq		CONTRACTOR: BRADLEY BROS. CASING: PULLED CORE STORAGE: MINESITE

PURPOSE:

## DIRECTIONAL DATA:

	Comments	FLAG	Type of Test	Dip degrées	Astronomic Azimuth	Depth (m)	Comments	FLAG	Type of Test	Dip degrees	Astronomic Azimuth	Depth (m)
		•	•	•	•	-		OK	SING.SHOT	-60" 0"	182* 0'	121.00
		•	-	•	•	•		OK	SING.SHOT	-59" 01	190* 0*	217.00
		•	• • •	•	•			OK	SING.SHOT	-58 0'	198* 0*	313.00
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FALCONBRIDGE LTD HOLE NUMBER: MF13-01 DRILL HOLE RECORD DATE: 25-January-1990 ANGLE TO CA FROM ROCK TEXTURE AND STRUCTURE TO TYPE ALTERATION **MINERALIZATION** REMARKS 0.00 \*|00|\* TO 75.50 -medium green, fine grained. 75.50 MASSIVE -weak pervasive carbonate alteration. -trace to %% pyrite. -1-2% quartz/carbonate veining. -very massive, intrusive looking. -87.0-94.0: highly brecciated interval, broken MAFIC -strong fracture controlled chlorite. TO 95.30 INTRUSIVE «7a» core. -carbonate phenocrysts weathered out locally. 195.3-95.6 « S2 \* \* strongly sheared, and brecciated, possible fault zone. 95.30 **FELSIC** -variable appearance, dark grey to medium yellow--weak to moderate patchy sericite. -%-1% pyrite, disseminated and -1-2% quartz/carbonate veins. TO VOLCANIC green, fine grained. -weak carbonatization. fracture controlled. 141.20 -2-3% quartz eyes, 1-2mm subround. -5% black, very hard fracture filling -trace sphalerite, commonly with pyrite 44. -weak variable foliation. material. and black fracture filling material. -unknown composition, form in thin 140.8-140.8++ FAI +\* fractures or in in situ brecciated -10cm ground rock. patches. 141.20 GRAPHITIC -medium to dark grey. -5% disseminated and roughly bedded TO AND -fine grained, minor ash-lapilli size felsic pyrite. 142.20 CARBONAcomponent. -bedding at 40-60° to core axis. CEOUS TUFF -unit made up of alternating graphite and dirty «бg» carbonaceous tuff. 142.20 FELSIC -medium grey, fine grained. -moderate fracture controlled sericite. -5% pyrite, occurs in dark irregular -weak to moderate foliation at 35° to core axis. VOLCANIC TO -moderate patchy silicification. patches. 149.10 \*4» -3-4% quartz phenocrysts, 1-2mm, subround, equal distribution. 143.1-143.1 \* FA1 30 \* -strongly sheared adjacent rock. 149.10 GRAPH1TE -75% graphite, fine grained, dark grey to black. -loading and fining uphole suggest tops -5% pyrite, occurs in beds or as large subround clots up to 2cm, locally as AND -25% carbonaceous angillite, medium grey, fine TO to the north. 183.00 CARBONAcolloform growths. ash. CEOUS -bedding at 40° to core axis. ARGILLITE -minor (3%) pyritic beds from 1mm to 3mm. «бg» -unit moderate to strongly conductive throughout.

HOLE NUMBER: MF13-01

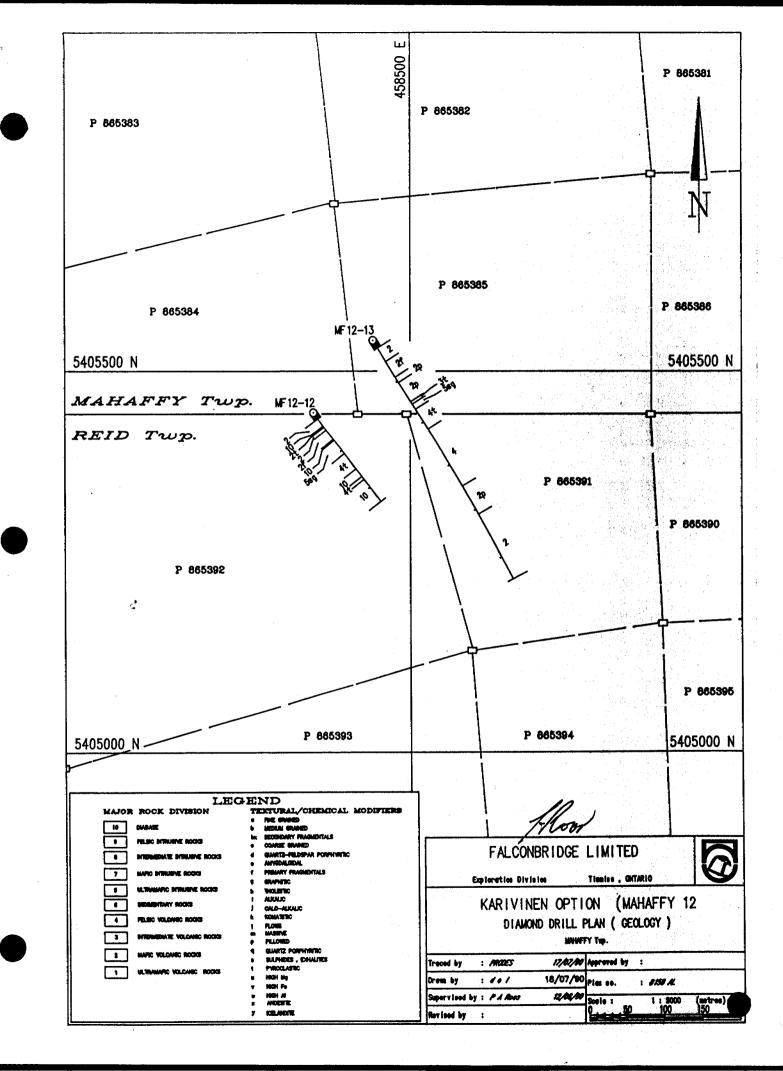
LOGGED BY: J. CECCHETTO

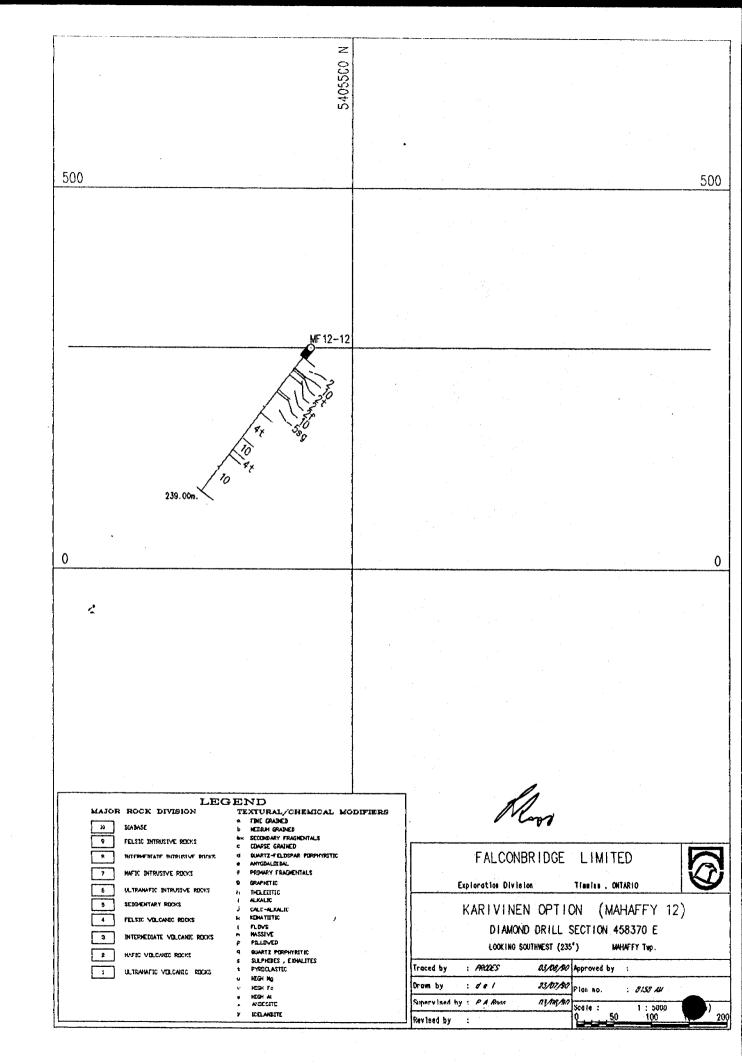
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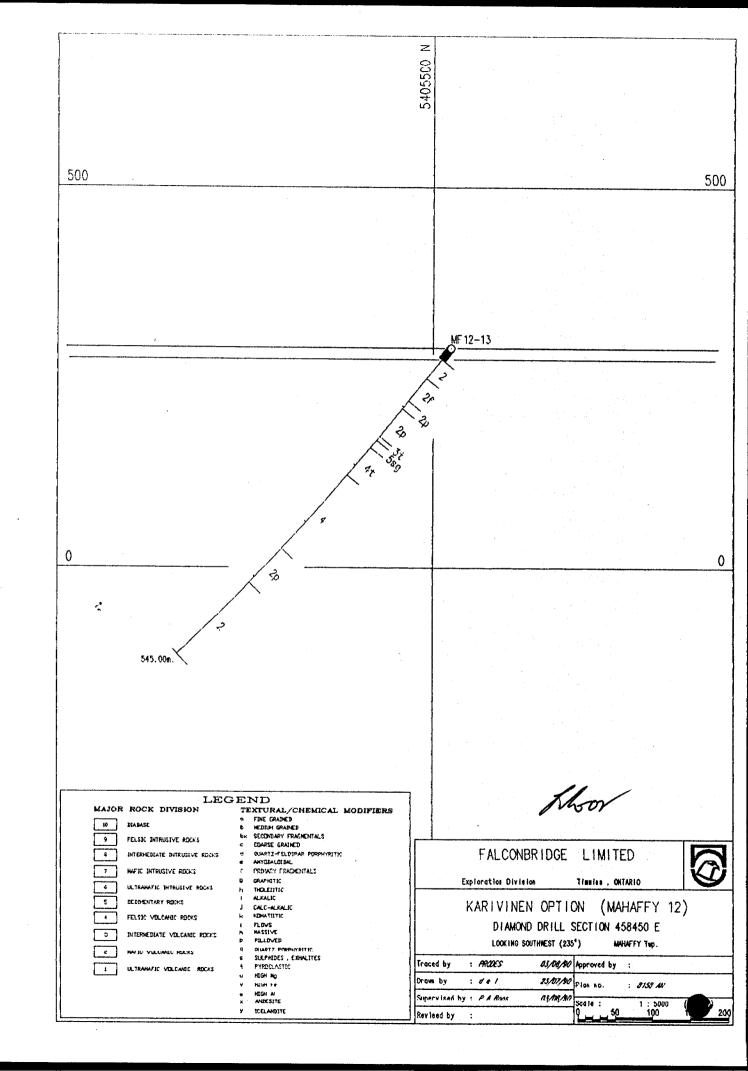
HOLE NUME	ER: MF13-01			FALCONBRIDGE LTD DRILL HOLE RECORD		DATE: 25-January-1990
FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
183.00 TO 209.50	CARBONA- CEOUS MAFIC TUFF «2»	<ul> <li>-medium to dark grey, medium grained.</li> <li>-carbonaceous in filling.</li> <li>-no distinct fragments.</li> </ul>		-moderate carbonaceous contamination. -moderate to strong pervasive carbonate alteration. -4% carbonate rhombs and blebs.	-%-1% disseminated pyrite.	-1% carbonate veinlets, from 2-3mm.
209.50 TO 213.00	CARBONA- CEOUS ARGILLITE «5»	-dark grey to black, very fine grained. -massive. -no primary textures or structures. -weak foliation at 50° to core axis.			-trace pyrite.	-no veining.
213.00 TO 218.20	INTER- MEDIATE ASH TUFF «3t»	-medium grey, medium grained. -weak to moderate foliation at 40° to core axis. -grainy texture, homogeneous throughout interval.		-weak pervasive carbonate. -weak fracture controlled chlorite and sericite.	-trace pyrite.	-no veining.
218.20 TO 248.00	FELSIC VOLCANIC «4»	-medium to dark green, fine grained. -2% amygdaloidal, 3-8mm, subround to ameboid, quartz/carbonate filled, possibly quartz eyes. -weak foliation at 40° to core axis.		-moderate pervasive chlorite. -strong fracture controlled chlorite. -moderate fracture controlled sericite.	-%% disseminated pyrite.	-1-2% quartz/carbonate veining. -originally logged as mafic volcanic however chemistry suggests felsic volcanic.
248.00 TO 320.00	FELSIC VOLCANIC «4mb»	-medium grey, fine grained. -3% quartz phenocrysts, 1-3mm, subround. -hyalociastitic or in situ brecciated patches iocally. -288.0-downhole: unusual fracture filling material, dark grey, very fine grained and hard. -composes 5% of unit, forms very sharp contacts and has highly irregular orientations. -310.0-downhole: unit has an irregular appearance, appears to be compositionally uniform with variable alteration causing colour change, possible proximity to intrusive.		-strong patchy silicification. -strong fracture controlled sericite. -249.0-256.0: intense silicification, strong fracture controlled sericite 20% quertz dumping.	-1-2% fracture controlled and disseminated pyrite. -local sphalerite blebs and fracture fillings. -256.0-258.0: %-1% sphalerite. -289.0-293.5: %% disseminated sphalerite.	-249.0-256.0: 20% silica veining and dumping.
320.00 TO 320.00	END OF HOLE					-

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IOLE NUMBER: MF12-12		CONBRIDGE LTD L HOLE RECORD	DATE: 1-May-1990 Imperial Units: Metric Units: X
PROJECT NAME: 8158	PLOTTING COORDS GRID: UTM	ALTERNATE COORDS GRID: LINE	COLLAR DIP: -50° 0' 0"
PROJECT NUMBER: 008158	NORTH:	WORTH: 0+ 0N	LENGTH OF THE HOLE: 239.00m
CLAIM NUMBER: <i>P 865</i> 392	EAST:	EAST: 4+50E	START DEPTH: 0.00m
LOCATION: MAHAFFY TWP	ELEV: 290.00	ELEV: 290.00	FINAL DEPTH: 239.00m
	COLLAR ASTRONOMIC AZIMUTH: 145° 0' 0"	GRID ASTRONOMIC AZIMUTH: • •	
DATE STARTED: February 15, 1989	COLLAR SURVEY: YES	PULSE EN SURVEY: YES	CONTRACTOR: BRADLEY BROS.
DATE COMPLETED: February 19, 1989	HULTISHOT SURVEY: NO	Plugged: No	CASING: 16m LEFT IN HOLE
DATE LOGGED: February 19, 1989	RQD LOG: NO	Nole Size: Bg	CORE STORAGE: MINESITE

PURPOSE:

DIRECTIONAL DATA:

	Comments	FLAG	Type of Test	Dip degrees	Astronomic Azimuth	Depth (m)	Comments	FLAG	Type of Test	Dip degrees	Astronomic Azimuth	Depth (m)
•		•	•	•	•	•		OK	SING.SHOT	-52* 0'	141" 0"	60.00
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HOLE NUMB	ER: MF12-12			FALCONBRIDGE LTD DRILL HOLE RECORD		DATE: 24-May-1989
FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 16.00	OVERBURDEN *{ob}*					
16.00 TO 34.00	MAFIC VOLCANIC «2»	-dark green, fine grained. -8-10% carbonate rhombs, patches, and small veins, fizz moderately in acid. -no observed extrusive textures or structures (ie. selvages or smygdules). -may be an intrusive.		-moderate fracture controlled chlorite locally.	-trace to 0.5% pyrite.	-33.3-33.5m: quartz vein, 10% host inclusions, trace sulphide.
34.00 TO 35.00	DIABASE «10»	-fine grained, dark grey, 3% green feldspår. -moderately magnetic. -very blocky core.				
35.00 TO 37.60	MAFIC LAPILLI TUFF #2t»	-medium to dark green, fine grained matrix, lapilli fragments up to 5cm. -15-20% very distinct felsic lapilli, subround to subangular stretches in plane of foliation at 50° to core axis.		-moderate fracture controlled chlorite.	-0.5% disseminated pyrite.	
37.60 TO 45.20	MAFIC VOLCANIC «2»	-very similar to unit at 16.0 to 34.0m with less carbonate (5% range). -very featureless, possible amygdules locally.			-0.5% disseminated pyrite.	-
45.20 TO 70.00	MAFIC BRECCIA «2f»	<ul> <li>-mafic flow breccia, possible exotic fragments, all mafic in composition.</li> <li>-fine grained, very variable colour from light grey-tan to dark green-grey.</li> <li>-variable colour gives unit a distinct breccia appearance.</li> <li>-possible amygdules locally.</li> <li>-foliated chloritic bends may represent pillow selvages.</li> <li>-do.6-63.44(10)</li> <li>diabase, fine grained, magnetic, very blocky core.</li> <li>-more homogeneous donwhole, unit looks like a flow.</li> </ul>		-moderate bleaching. -moderate fracture controlled chlorite. -3-4% carbonate as variable size rhombs, as irregular patches and as small veins (moderate fizz in acid).	-0.5-1.0% disseminated pyrite from 45.2-50.0m.	
70.00 10 73.00	DIABASE «10»	-fine grained, dark grey, magnetic.	-			•

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HOLE NUMB	ER: MF12-12			FALCONBRIDGE LTD DRILL HOLE RECORD		DATE: 24-May-1989
FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
73.00 T0 108.50	GRAPHITE, CARBON- ACEOUS ARGILLITE, CHERTY TUFF AND MASSIVE PYRITE *58g*	<ul> <li>overall interval contains approximately 25% pyrite, 25% graphite, 40% carbonaceous argillite and 10% chery tuff.</li> <li>Interval is variable as described below.</li> <li>73.0-73.7m: fine ash to lapilli tuff, felsic to intermediate.</li> <li>-73.7-76.5m: carbonaceous argillite, 5% pyrite.</li> <li>-74.5-75.0m: banded pyrite, at 60° to core axis, inter layered carbonaceous argillite.</li> <li>-75.0-76.8m: 10-15% pyrite, rough bedding with graphite.</li> <li>-76.8-84.6m: bedded and intercalated carbonaceous argillite.</li> <li>-84.5m: 2cm band of red mineral (hematite, red streak).</li> <li>-84.6-90.5m: felsic lapilli tuff.</li> <li>-05.96.0m: 90% pyrite, 10% graphite.</li> <li>-pyrite is fine to medium grained and brecciated.</li> <li>-98.0-99.0m: 90% graphite, 10% quartz/pyrite.</li> <li>-90.0-101.5m: as 96.0-98.0m.</li> <li>-101.5-102.5m: graphite.</li> </ul>				-interval contains patches of very conductive material. -all sulphide and graphitic intervals are extremely conductive.
108.50 TO 150.00	FELSIC TUFF «4t»	<ul> <li>-lapilli tuff, very variable colour from yellow- green to dark grey.</li> <li>-30% dark grey, irregular shaped fragments, fairly hard.</li> <li>-5% white, angular siliceous fragments.</li> <li>{130.0-130.0}*</li> <li>FAI *&gt; 1cm ground rock at 45° to the core axis.</li> </ul>		-strong fracture controlled sericite.	-trace disseminated pyrite.	-3-4% quartz veining, trace pyrite.
150.00 TO 170.50	DIABASE «10»	-dark grey, black, fine to medium grained. -magnetic.				

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HOLE NUME	ER: MF12-12			FALCONBRIDGE LTD DRILL HOLE RECORD		DATE: 24-May-1989
FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
170.50 TO 178.50	FELSIC TUFF «4t»	-as 108.5 to 150.0m. -more homogeneous, 20% in situ brecciation.			-177.0-177.5m: 1% pyrrhotite, 1% pyrite.	* whole rock sample at this interval indicates intermediate composition (mixed tuff ? or diabase contamination?)
178.50 TO 239.00	DIABASE «10»	-as 150.0-170.5m -medium grained to coarse at end of hole.				
239.00 TO 239.00	END OF HOLE					

HOLE NUMBER: MF12-12

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865395+865341

HOLE NUMBER: MF12-13		ONBRIDGE LTD HOLE RECORD	DATE: 1-May-1990 Imperial Units: Metric Units: X
PROJECT NAME: 8158	PLOTTING COORDS GRID: UTM	ALTERNATE COORDS GRID: LINE	COLLAR DIP: -50° 0' 0"
PROJECT NUMBER: 008158	NORTH:	NORTH: 1+ DN	LENGTH OF THE HOLE: 545.00m
CLAIM NUMBER: 865395 + 665391	EAST:	EAST: 5+30E	START DEPTH: 0.00m
LOCATION: NAMAFFY TUP.	ELEV: 290.00	Elev: 290.00	FINAL DEPTH: 545.00m
	COLLAR ASTRONOMIC AZIMUTH: 150° 0' 0"	GRID ASTRONOMIC AZIMUTH: • • •	
	COLLAR SURVEY: NO	PULSE EN SURVEY: YES	CONTRACTOR: BRADLEY BROS.
	LTISHOT SURVEY: NO	PLUGGED: NO	CASING: 10m LEFT IN NOLE
	RGD LOG: NO	HOLE \$1ZE: BQ	CORE STORAGE: MINESITE

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PURPOSE:

DIRECTIONAL DATA:

Azimuth       degrees       Test       (m)       Azimuth       degrees       Test         165* 01       -52* 01       SIMG.SNOT OK       - </th <th>epth</th> <th>Astronomic</th> <th>Dip</th> <th>Type of</th> <th>FLAG</th> <th>Comments</th> <th>Depth</th> <th>Astronomic</th> <th>Dip</th> <th>Type of</th> <th>FLAG</th> <th>Comments</th> <th></th>	epth	Astronomic	Dip	Type of	FLAG	Comments	Depth	Astronomic	Dip	Type of	FLAG	Comments	
148* 01       -50* 01* SING_SNOT OK         150* 01       -47* 01* SING_SNOT OK         150* 01       -47* 01* SING_SNOT OK         150* 01       -44* 01* SING_SNOT OK         152* 01       -44* 01* SING_SNOT OK         -       - </th <th>(m)</th> <th></th> <th>degrees</th> <th>Test</th> <th></th> <th></th> <th></th> <th>Azimuth</th> <th>degrees</th> <th>Test</th> <th></th> <th></th> <th></th>	(m)		degrees	Test				Azimuth	degrees	Test			
150° 0'       -47° 0' SING.SHOT OK         150° 0'       -45° 30' SING.SHOT OK         152° 0'       -44° 0' SING.SHOT OK         -       - <td>00.00</td> <td>145. 01</td> <td>-52' 0'</td> <td>SING.SHOT</td> <td>ок</td> <td></td> <td>•</td> <td>-</td> <td>•</td> <td>· •</td> <td>•</td> <td></td> <td></td>	00.00	145. 01	-52' 0'	SING.SHOT	ок		•	-	•	· •	•		
150° 0'       -45°30' SING.SHOT OK         152° 0'       -44° 0' SING.SHOT OK         -       -         - <td>00.00</td> <td>148* 0*</td> <td></td> <td></td> <td></td> <td></td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td></td> <td></td>	00.00	148* 0*					•	•	•	•	•		
152° 0' -44° 0' SING.SHOT OK	00.00		-47 0	SING.SHOT	OK		•	•	•	-	•		
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HOLE NUMBER: ME12-13

## FALCONBRIDGE LTD DRILL HOLE RECORD

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DATE: 24-May-1989

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 19.00	*{ob}*					
19.00 TO 52.00	MAFIC VOLCANIC «2»	-dark green, fine grained. -1-2% amygdules, 3-5mm, irregular shaped, carbonate filled. -no distinct selvages. -1-2% carbonate rhombs locally.		-weak to moderate pervasive carbonatization. -3-4% carbonate fractures, veins and irregular patches, fizz in acid. -weak to moderate fracture controlled chlorite.	-1% disseminated pyrite.	
52.00 TO 90.00	MAFIC BRECCIA «2f»	<ul> <li>-variable colour from light grey to dark green, fine grained.</li> <li>-up to 2% amygdules locally, 5mm, subround to ameboid, carbonate filled.</li> <li>-unit contains distinct intervals of hyaloclastite, flow breccia, tuff and massive sections.</li> <li>-52.0-55.5m: hyaloclastite, distinct dark angular fragments.</li> <li>-71.5-76.0m: 5-8% distinct lapilli fragments, cream coloured, carbonatized, subround irregular shapes.</li> <li>-86.0-90.0m: flow breccia.</li> <li>-other intervals are generally massive with amygdules and possible selvages locally.</li> <li>-74.5-76.8m: possible ash tuff, appears to be bedded at 50° to core axis, some bands are very siliceous.</li> </ul>		<ul> <li>-moderate bleaching.</li> <li>-moderate pervasive carbonatization.</li> <li>-weak to moderate fracture controlled chlorite.</li> <li>-up to 3% carbonate rhombs locally.</li> </ul>	-0.5 to 1.0% disseminated pyrite.	-3% carbonate veining, <2.0cm in size, random orientations.
90.00 TO 103.00	MAFIC VOLCANIC «2p»	<pre>-medium grey, fine grained. -1-2% amygdaloidal, distinct chloritic selvages. -similar composition to above units.</pre>		<ul> <li>-weak bleaching.</li> <li>-weak to moderate pervasive carbonatization.</li> <li>-strong fracture controlled chlorite, chloritic selvages.</li> </ul>	-0.5% disseminated pyrite. -1 small fleck of sphalerite at 89.5m.	
103.00 TO 150.30	MAFIC VOLCANIC «2p»	-medium grey, fine grained. -3-4% amygdules throughout, variable sizes, distinct selvages. -amygdules are carbonate/chlorite and very rarely quartz filled.		-moderate bleaching. -moderate pervasive carbonatization. -strong fracture controlled chlorite.	-0.5% disseminated pyrite.	
		-moderate foliation at 50° to core axis. {112.6-112.6}*{FAI}* -0.5cm of ground rock/paste at 50° to core axis. -139.Dm-downhole: unit becomes darker in colour, majority of amygdules are chlorite		-strong fracture controlled sericite locally. -tan or mauve coloured.	-149.0m-downhole: 2% pyrite, commonly as euhedral cubes up to 0.75cm in size.	

HOLE NUMBER: MF12-13

HOLE NUME	BER: MF12-13			FALCONBRIDGE LTD Drill Hole Record		DATE: 24-May-1989
FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA		MINERALIZATION	REMARKS
		filled.				
150.30 TO 156.50	INTER- MEDIATE TUFF «3t»	-dark grey, fine grained. -no distinct fragments, unit has a tuffaceous appearance. -host is very siliceous with 5% black clots strongly stretched in plane of foliation. -moderate foliation at 55 to 60° to core axis.		-carbonaceous infilling.	-150.3-154.0m: 1-2% disseminated pyrite. -154.0-156.5m: 5% disseminated pyrite.	
156.50 TO 169.00	CARBON- ACEOUS TUFF, GRAPHITE AND MASSIVE PYRITE «5sg»	<ul> <li>-interval composed of 20% pyrite, 20% carbonaceous argillite and 60% graphite.</li> <li>-variable as described below.</li> <li>-156.5-158.1m: 90% graphite, 5% pyrite, 5% carbonate veins.</li> <li>-pyrite as breccisted clots up to 3cm.</li> <li>-158.1-158.35m: 50% pyrite, 50% graphite, pyrite as above.</li> <li>-158.35-158.6m: bedded graphite, at 55* to core axis.</li> <li>-158.6-159.5m: 50% pyrite, irregular blobs, 50% graphite.</li> <li>-159.5-164.3m: carbonaceous argillite with 10-15% graphite.</li> <li>-164.3-165.5m: graphite.</li> <li>-165.5-166.9m: 90% massive pyrite, 5% graphite, 5% carbonate.</li> <li>-pyrite fine grained in massive and brecciated forms.</li> <li>-166.9-169.0m: carbonaceous argillite.</li> <li>-167.6-167.9m: 40% pyrite.</li> </ul>			-see texture and structure for detailed description. -no observed sphalerite or chalcopyrite. -165.5-166.9m: 90% pyrite.	-156.5-167.9m: highly conductive interval.
169.00 TO 217.00	FELSIC TUFF «4t»	<ul> <li>-variable colour from yellow-green to dark grey, fine grained matrix.</li> <li>-very irregular appearance, composition appears to be fairly homogeneous.</li> <li>-distinct fragment forms, from 2-6cm, subround.</li> <li>-fragments tend to be very siliceous with a sericitic matrix.</li> <li>-2% quartz phenocrysts/crystals locally.</li> <li>-very siliceous intervals have a crackle appearance locally.</li> <li>-matrix has a moderate very variable fabric, commonly parallels fragments.</li> </ul>		-strong fracture controlled sericite. -moderate pervasive sericite. -strong silicification locally (primary?). -weak chlorite locally.	-0.5% disseminated pyrite. -195.5m: small fleck of sphalerite.	-2% quartz veining.

HOLE NUMBER: MF12-13

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HOLE NUMBER: MF12-13

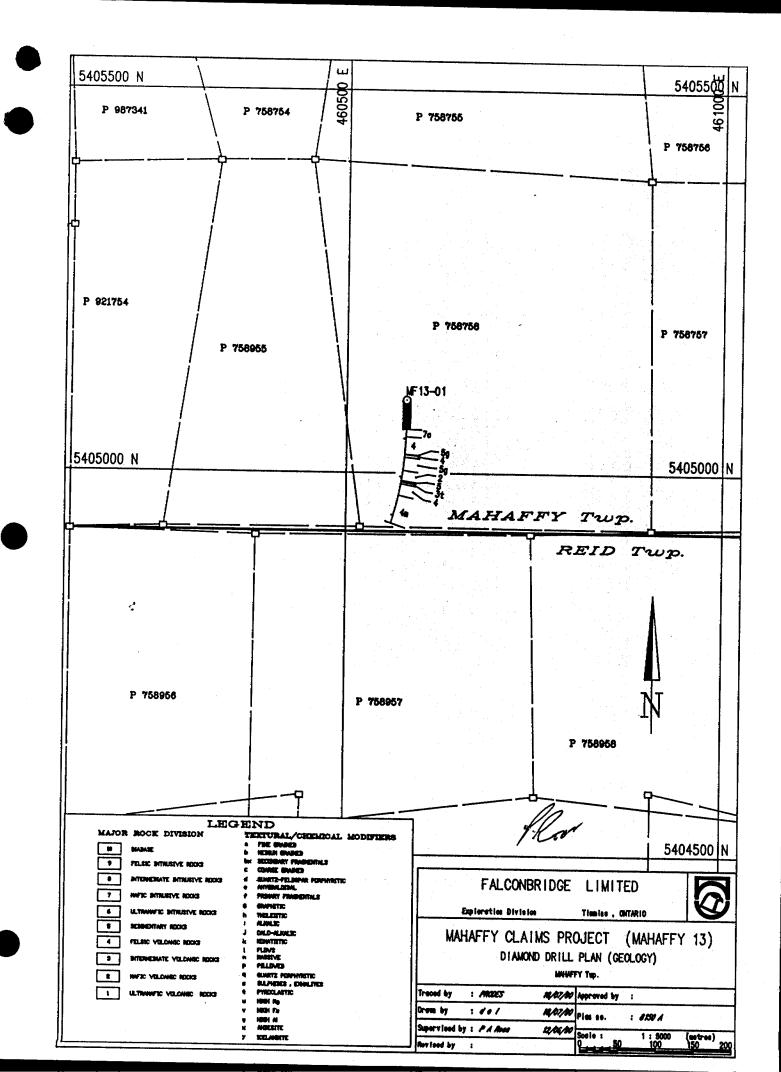
FALCONBRIDGE LTD DRILL HOLE RECORD

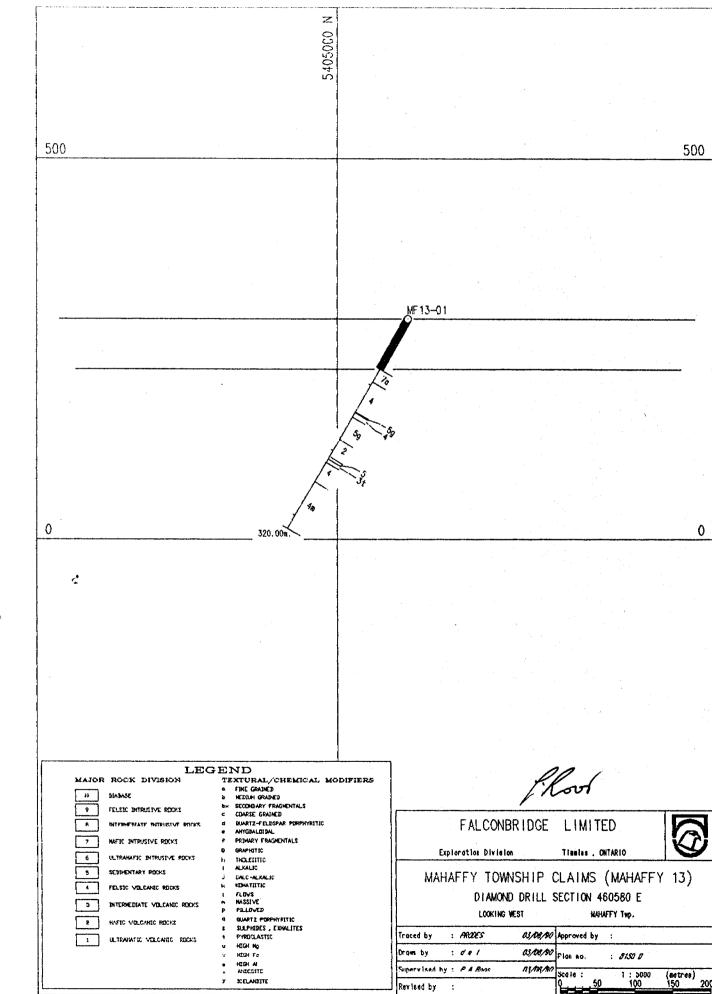
ANGLE FROM ROCK TO TYPE TEXTURE AND STRUCTURE TO CA ALTERATION MINERALIZATION REMARKS 217.00 FELSIC -rock has a very variable appearance which may be in part primary, or alteration induced. TO VOLCANIC 348.00 -variable as described below. #4» -217.0-230.0m: dark grey, fine grained, -217.0-230.0m: moderate fracture -217.0-213.3m: 1-2% disseminated homogeneous colour, interval is cross cut with controlled sericite. pyrite. a high density of micro fractures filled with a cream coloured material. -230.0-244.0m: dominantly light to medium -230.0-244.0m: strong fracture -230.0-244.0m: 0.5% disseminated yellow-green, interval has a banded appearance controlled sericite, moderate pyrite. due to strong fracture controlled sericite. pervasive sericite. -strong in situ precciation due to alteration. -strong fracture controlled chlorite. -numerous small shear slips at 50° to core axis. -244.On-downhole: medium grey host with dark -244.0m-downhole: intense fracture -244.0-289.0m: 2% disseminated and grey anastomosing chlorite fractures. controlled chlorite, forms in fracture controlled pyrite. -270.4-270.5m: 1% chalcopyrite and fine grained, strongly in situ brecciated by anastomosing veinlets up to 1cm wide. 2-3% galena, fracture controlled. -300.0m-downhole: pervasive nature of chlorite intensifies in host to incipient alteration. -295.0-295.5m: 1% sphalerite, light -host is very siliceous. 302.4-302.4 + FAI + fault, 0.5cm of paste at 40° to core axis. moderate. brown, disseminated. -300.4m: small speck of chalcopyrite. 305.1-305.1 + FAI + fault, 1cm of paste at 35" -289.0m: 3-5% pyrite. in patches, fracture controlled and disseminated. to core axis. -336.0-336.25m: quartz vein, 2-3% pyrite. 348.00 MAFIC -contact zone, 348.0-348.5m, breccia, mafic and -moderate bleaching dominantly from -348.0-358.0m: 3-5% pyrite, fracture -1% carbonate veinlets. controlled and disseminated. VOLCANIC 348.0 to 358.0m. TO felsic. 410.00 \*20\* 4348.5-349.0 - FAI > fault, ground rock, paste. moderate fracture controlled chlorite, -2-3% pyrite throughout. -bleached light grey to medium green, fine in pillow selvages. grained. -weak pervasive carbonate. -1-2% amygdaloidal locally, 2-4mm, carbonate -1-2% carbonate rhombs locally. filled, ameboid. -distinct pillow selvages locally. -399.0-410.0m: distinct pillow breccia, subround fragments, irregular shapes. 410.00 MAFIC -medium green to dark grey, fine grained. -weak to moderate pervasive -0.5% disseminated pyrite. -5-8% quartz/carbonate veining, very very massive with the exception of quartz VOLCAN1C carbonatization. irregular orientations. TO. 545.00 -444.Om-downhole: 1-2% veining. «2» carbonate veining. -similar composition to above unit. 545.00 END OF HOLE TO 545.00

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MAHAFFY TOWNSHIP

