



42A03SW0036 18 FRIPP

010

Diamond Drilling

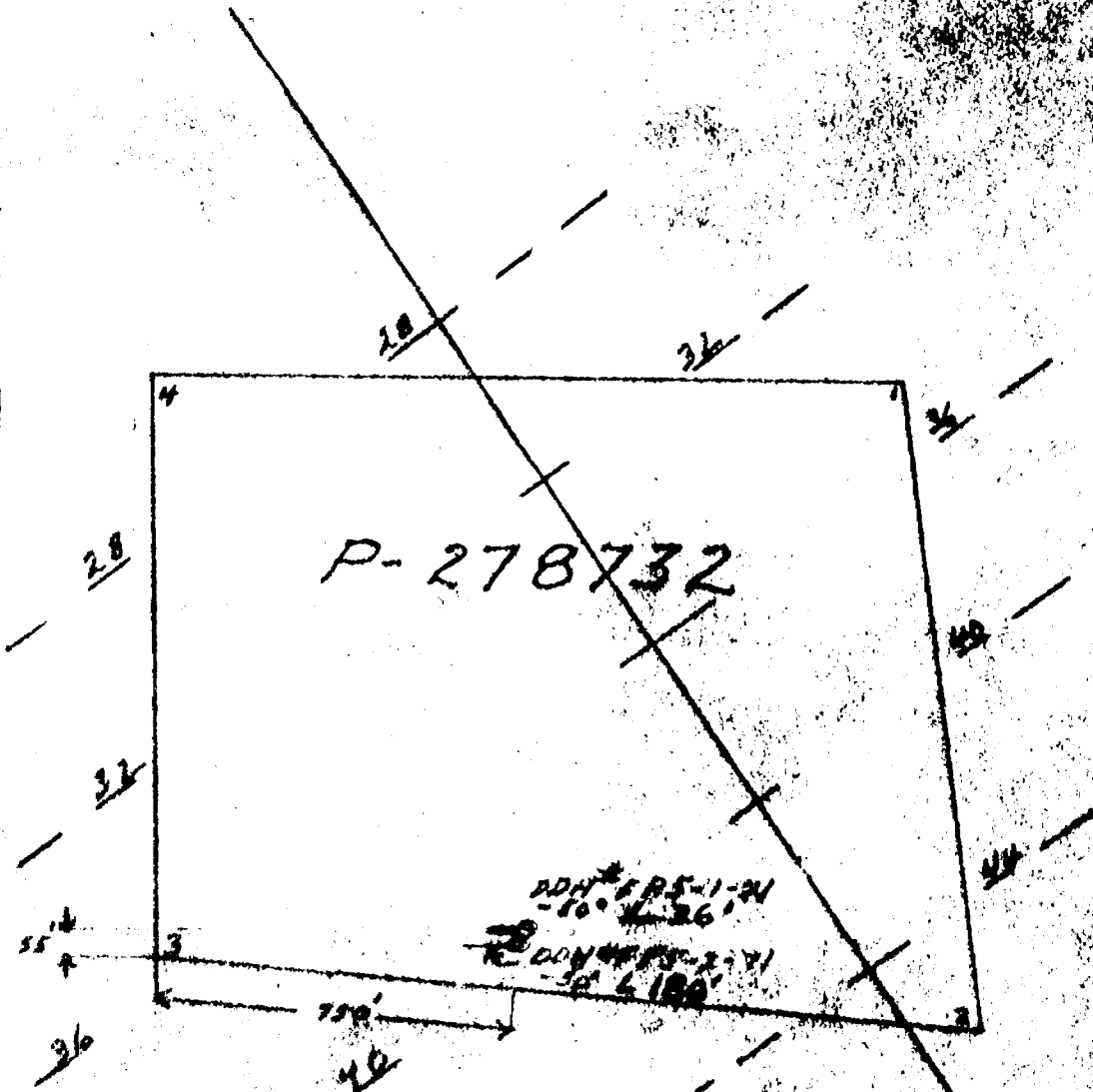
Township of FRIPP

Report No 18

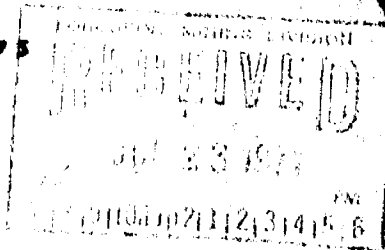
Work performed by: Hollinger Mines

Claim No	Hole No	Footage	Date	Note
P 278732	FP5-1-71	26.0'	July/71	
	FP5-2-71	180.0'	July/71	
	FP5-3-71	689.0'	Oct-Nov/71	
	FP5-4-71	320.0'	Nov/71	
P 278736	FP5-5-71	258.0'	Nov/71	

Notes:

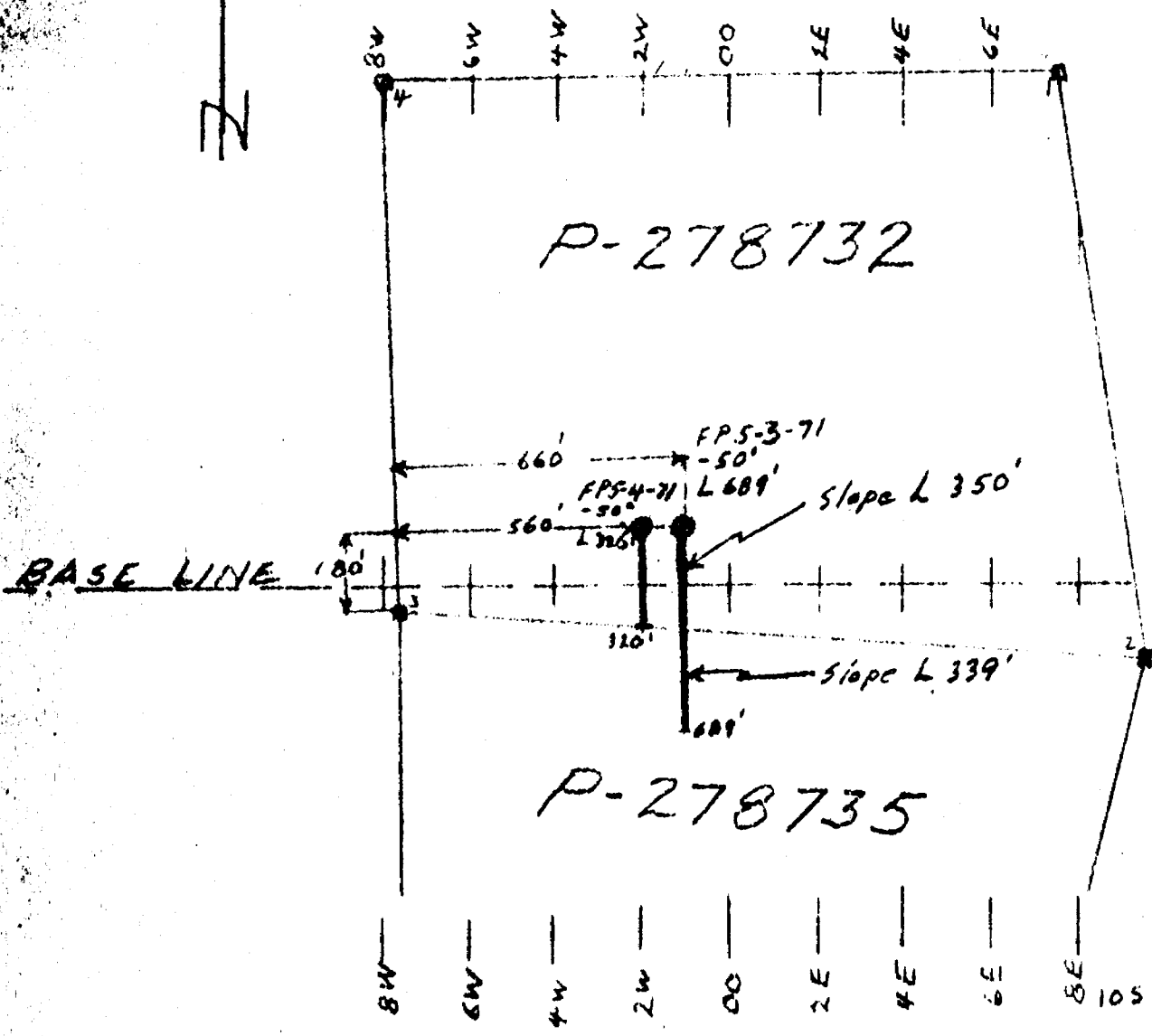


FBL-142
 Location - 5435 W of Rd. on 39+335
 Started - July 2/71
 Finished - July 19/71
 X-ray Drill - 7/8" Core (EX)
 Contractor - Ingomar Explorations, Timmins



PLAN OF DDH # FBL-1-71 W of Hansen
 GROUP
 LIMITED
 ONTARIO

July 19/71
 W.H.



P-278732

P-278735

DDH# FP5-3-71
 Started - Oct. 25/71
 Finished - Nov. 1/71
 Bradley Bros Ltd
 Wire line (A.Q. Core)

DDH# FP5-4-71
 Started - Nov. 2/71
 Finished - Nov. 4/71
 Bradley Bros Ltd
 Wire line (A.Q. Core)

PLAN OF DDH# FP5-3-71 & FP5-4-71

202/71
 Grupp 220
 Hollinger Mine Co

FRIPP# 5 GROUP
 FRIPP TWP, ONT.
 Scale - 1" = 400'

W.H. Hansen
 Nov. 11/71
 W.H.H.
 HOLLINGER MINE CO.
 TIMBER, ONTARIO

Location of Collar from 3 post of Claim ~~282800~~ P-278732

FORM 522

NORTH 1 + 25 N 6 + 60' E, 1 + 80' N
 EAST. XL 1 + 00 W
 ELEV. Surface
 AZIM. 180°
 DIP Collar 50°; 400' - 49°;
 600' - 44°

DIAMOND DRILL REPORT

HOLE NO. FP5-3-71
 COMMENCED Oct. 25, 1971
 FINISHED Nov. 1, 1971
 PURPOSE OF HOLE Test EM Conductor

PROPERTY FRIPP GROUP 5
 Claim P-278732 Fripp Township

FROM	TO	DESCRIPTION	CORE SAMPLES					DESCRIPTION OF SAMPLE
			FROM	TO	RECOV.	WIDTH	ASSAY	
0	12	Casing.						
12	70	Quartz-diorite - coarse grained. 50% plagioclase and 50% mafics. Non-magnetic. Much of the feldspar has a pinkish tint due to hematite staining. Upper contact sharp.						
70	78	Meta sediment - fine grained, green to pinkish in colour. Good banding 75° to core axis. Mafics along shear planes. Non-magnetic. Lower contact sharp. No chilled margin. Granitized in places.						
78	85.2	Qtz. diorite as above.						
85.2	105.7	Fine grained phase of the quartz diorite colour - dark green, fine to medium grained. Cut by Qtz. diorite stringers from 2" to a foot in width, less feldspar.						
105.7	151	Qtz. diorite as before with small zones of the fine grained phase intermixed.						
151	372	Qtz. diorite introduction of black chlorite. Sheared from 20° to core axis to 80° to core axis. 135.5-211 - fine grained phases. From 173 to 210 occasional blebs of cp, py and red hematite. 230-231 - Cp. minor.						

NORTH _____
 EAST _____
 ELEV. _____
 AZIM. _____
 DIP _____

DIAMOND DRILL REPORT

PROPERTY FRIPP GROUP 5Fripp TownshipHOLE NO. FP5-3-71

2.

COMMENCED _____
 FINISHED _____
 PURPOSE OF _____
 HOLE _____

FROM	TO	DESCRIPTION	CORE SAMPLES					DESCRIPTION OF SAMPLE
			FROM	TO	RECOV.	WIDTH	ASSAY	
		240-243.5 - chilled phase.						
		250 - shearing parallel to core axis.						
		Shearing predominantly at low angle to						
		core axis. Occasional shearing 70-80° to						
		core axis.						
		After 238 much less shearing becomes						
		massive.						
		238-372 massive with chilled phase.						
		335 to 342 - chilled phase small zones at						
		361 and 356; bleb of galena at 347.3.						
372	383.4	Mata sediment - graywacke; banding at						
		70° to core axis; green in colour; fine						
		to med. grained. Minor py. Granitized.						
		Chloritized.						
383.4	489.3	Qtz. diorite - mainly massive with fine						
		grained phase at 464.5-487 and 465-468.6.						
489.3	509.3	Qtz. diorite - fine grained phase but						
		granitized to a great extent.						
509.3	520	A fine grained dense rock, possibly an						
		inclusion. Black. Minor amount of sulfides						
		with 20% magnetite in places. Specific						
		gravity of rock is high. Fine magnetite						
		gives a reddish to brass tint on outside						
		of core.						

FORM 522

NORTH _____
 EAST _____
 ELEV. _____
 AZIM. _____
 DIP _____

DIAMOND DRILL REPORT

 PROPERTY FRIPP GROUP 5
Fripp Township
HOLE NO. FP5-3-71

COMMENCED _____
 FINISHED _____
 PURPOSE OF _____
 HOLE _____

FROM	TO	DESCRIPTION	CORE SAMPLES					DESCRIPTION OF SAMPLE
			FROM	TO	RECOV.	WIDTH	ASSAY	
		<u>THIN SECTION</u>						
	13	Qtz. diorite						
	73	Meta-sediment						
	98	Qtz. diorite - fine grained						
	158	" " sheared chloritized						
	183	" "						
	198	" " fine grained phase						
	233	" "						
	273	" "						
	318	" "						
	383	Meta sed. - greywacke						
	418	Qtz. diorite						
	473	" "						
	513	Dense magnetic inclusion						
	538	Qtz. diorite - fine grained phase						
	588	" "						
	638	" "						
	658	" " fine grained phase						
	683	" "						

FORM 822

NORTH _____
EAST. _____
ELEV. _____
AZIM. _____
DIP _____

DIAMOND DRILL REPORT

PROPERTY FRIPP GROUP 5

Fripp Township

HOLE NO. FP5-3-71

6.

COMMENCED _____
FINISHED _____
PURPOSE OF _____
HOLE _____

FROM	TO	DESCRIPTION	CORE SAMPLES					DESCRIPTION OF SAMPLE
			FROM	TO	RECOV.	WIDTH	ASSAY	
		<u>ASSAY</u>						
173	177	Qtz. dio. - chloritized, sheared, Cu.						
177	183	" "						
183	188	" "						
188	193	" " <u>fine grained phase</u>						
193	198	" " " " "						
198	203	" " " " "						
203	208	" " " " "						
208	213	" "						
213	218	" "						
230	231	" "						

Location of Collar from #3 of P-278732 East 560'
 FORM 522 NORTH 1 + 25 N North 180'
 EAST. 2 + 00 W
 ELEV. Surface
 AZIM. Grid South = 180°
 DIP Collar @ 50° @ 200' - 46°

DIAMOND DRILL REPORT

HOLE NO. FP5-4-71
 COMMENCED November 2, 1971
 FINISHED November 4, 1971
 PURPOSE OF HOLE Test extension of showing.
 Drilled by Bradley Bros.

PROPERTY FRIPP #5 - BRUCE LAKE
 Claim P-P-278732 Fripp Township

FROM	TO	DESCRIPTION	CORE SAMPLES					DESCRIPTION OF SAMPLE
			FROM	TO	RECOV.	WIDTH	ASSAY	
0	10	Casing. Casing left in the hole.						
10	277.4	Diorite - coarse grained generally - with coarse feldspars, some hornblende or amphibole, quartz and a lot of chlorite in the matrix. The feldspars are usually white but some iron staining has coloured numerous feldspars pinkish. There are some small quartz-carbonates stringers cutting the diorite - some chlorite in the stringers as well. Very rarely is any mineralization seen in the coarse diorites - speck of po @ 33. 73-73.6 small siliceous, pinkish inclusion 70-72.8 inclusion or acidic dyke - differ- entiate - contacts broken but rather regular @ 60° to core axis - no chilling - inclusion is siliceous locally pinkish zones and locally some black specks - minor epidote along hairline stringers - some pyrite - usually associated with the epidote. 78.8-82.5 coarse diorite. 82.5-83.3 small ultrabasic dyke? contacts are chilled and brecciated - somewhat normal to the core axis largely CO ₂ - some epidote alteration - non-magnetic no mineralization.						#s by CPG for Cu, Zn, Ni, Pb mostly coarse diorite-magnetic locally - no min. mostly fine diorite minor py, mgt, cp, hem. coarse minor cp mgt hem coarse minor cp mgt hem coarse minor cp hem coarse " cp fine " cp fine " cp fine " cp fine very little cp py fine very little cp fine very little cp fine w. qtz minor cp coarser w. qtz minor cp contact minor cp
			159	164		5		
			164	169		5		
			169	174		5		
			174	179		5		
			179	184	(183)	5		
			184	189		5		
			189	194		5		
			194	199		5		
			199	204		5		
			204	209		5		
			209	214		5		
			214	219		5		
			219	224		5		
			224	229	(222)	5		
			229	234		5		
			234	239	(232)	5		

NORTH _____
 EAST. _____
 ELEV. _____
 AZIM. _____
 DIP _____

DIAMOND DRILL REPORT

PROPERTY FRIPP #5 GROUP - BRUCE LAKE

Fripp Township

HOLE NO. FP5-4-71

2.

COMMENCED _____
 FINISHED _____
 PURPOSE OF _____
 HOLE _____

FROM	TO	DESCRIPTION	CORE SAMPLES					DESCRIPTION OF SAMPLE
			FROM	TO	RECOV.	WIDTH	ASSAY	
		83.3-91.7 coarse diorite, very minor py.						
		91.7-102.2 finer grained differentiate -						
		usually has a finer dioritic texture, can						
		become very siliceous locally, some epi-						
		dote, contacts @ 45° to core axis.						
		102.2-116.3 coarse grained diorite.						
		116.3-137 differentiate - contacts are						
		gradational and there are gradations into						
		short zones of coarser diorite in this section.						
		137-157.8 back into coarse grained diorite						
		- rock becomes more highly altered around						
		150, 156.8 some specks cp in coarse grained						
		diorite.						
		157.8-230.5 start of a zone of differentiate-						
		local coarse sections. These are the boun-						
		daries of the copper zone. The chalcopyrite						
		is usually associated with quartz-CO ₂ str.						
		There is some minor disseminated pyrite.						
		Locally there is magnetite in both the coarse						
		and fine grained sections - most of the						
		magnetite weathers to hematite and there is						
		very little magnetite after approximately						
		177. Around 220 the quartz-CO ₂ content						
		increases both as stringers and as a brec-						
		ciation phenomenon. The zone appears to						
		end along a stringer.						

NORTH _____
 EAST _____
 ELEV. _____
 AZIM. _____
 DIP _____

DIAMOND DRILL REPORT

PROPERTY FRIPP #5 GROUP - BRUCE LAKE

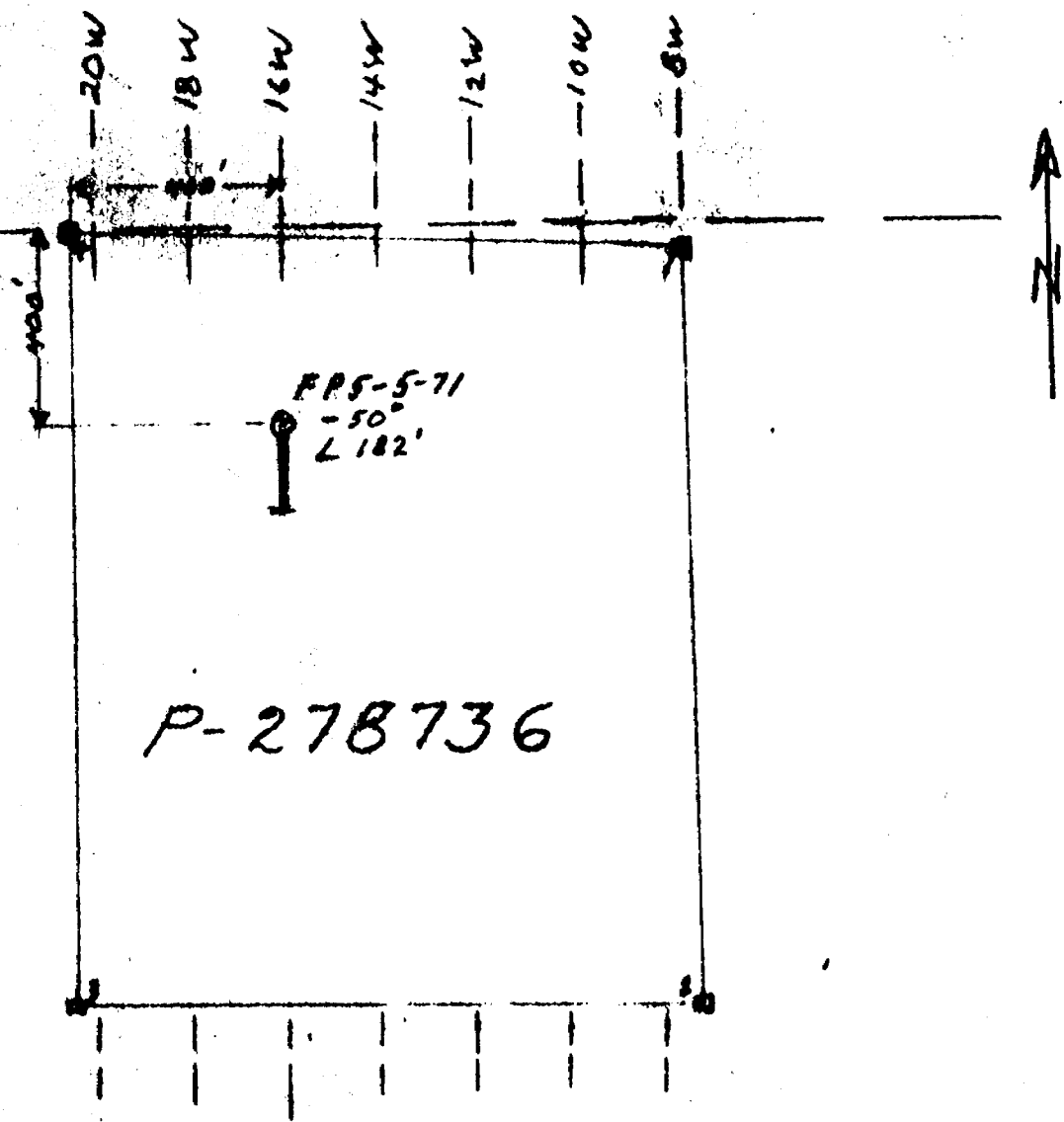
Fripp Township

HOLE NO. FP5-4-71

3.

COMMENCED _____
 FINISHED _____
 PURPOSE OF _____
 HOLE _____

FROM	TO	DESCRIPTION	CORE SAMPLES					DESCRIPTION OF SAMPLE
			FROM	TO	RECOV.	WIDTH	ASSAY	
		230.5-277.4 zone of coarse diorite with only local finer grained patches - minor pyrite - no chalcopryite; the feldspars are stained pinkish as before; near the fault gouge @ 277.4 the diorite becomes more siliceous and a bit finer grained.						
277.4	320	Ultrabasic - peridotite - generally fine grained - blue black. The start of the zone is in a fault gouge approximately 3' wide. After this zone the ultrabasic is more competent. The peridotite is highly fractured with serpentine and carbonate introduced. The U.B. is magnetic overall but there are also small bands of magnetite found associated with the carbonate fractures as @ 296.5. There is some minor pyrrhotite in the ultrabasic as well. 314.7-316.5 small dyke or inclusion?? Contacts broken - the ultrabasic is highly carbonatized around this zone. The zone is very soft and composed mainly of chlorite. There is no mineralization in it and it is non-magnetic.						
								Geochemistry
		competent. The peridotite is highly fractured with serpentine and carbonate introduced. The U.B. is magnetic overall but there are also small bands of magnetite found associated with the carbonate fractures as @ 296.5. There is some minor pyrrhotite in the ultrabasic as well.	284	285		1		Peridotite, CO ₂ strcs, magnetite, po
		introduced. The U.B. is magnetic overall but there are also small bands of magnetite found associated with the carbonate fractures as @ 296.5. There is some minor pyrrhotite in the ultrabasic as well.	292	293		1		" " " " "
		314.7-316.5 small dyke or inclusion?? Contacts broken - the ultrabasic is highly carbonatized around this zone. The zone is very soft and composed mainly of chlorite. There is no mineralization in it and it is non-magnetic.	312	313		1		Peridotite - CO ₂ - some rosettes magnetic, no visib. min.
	320	END OF HOLE						



P-278736

Started. Nov. 6 /71
 Finished - Nov. 8 /71
 Bradley Bros. Ltd.
 Wire Line (AQ Core)

PLAN OF DDH # FPS-5-71
 FRIPP # 5 GROUP
 FRIPP TWP, ONT.
 Scale - 1" = 400'

W. H. Hansen
 MANAGER MINES LIMITED
 THAMES, ONTARIO

Nov. 14 /71
 [Signature]

Location of Collar from #4 of P-278736 East 460'
South 400'

FORM 522

NORTH 4 + 00 S
EAST XL 16 W
ELEV. Surface
AZIM. Crid South 180°
DIP Collar @ 45°
No other tests.

DIAMOND DRILL REPORT

PROPERTY FRIPP #5 GROUP - BRUCE LAKE

Claim P.P. 278736 Fripp Township

HOLE NO. MF5-5-71
COMMENCED November 6, 1971
FINISHED November 8, 1971
PURPOSE OF HOLE Test fault zone + EM

Drilled by Bradley Bros.

FROM	TO	DESCRIPTION	CORE SAMPLES					DESCRIPTION OF SAMPLE
			FROM	TO	RECOV.	WIDTH	ASSAY	
0	16	Casing.						
16	18.6	The fine grained phase of the diorite - dark brown to black in colour - has the same texture as the coarser diorite. Non-magnetic. No mineralization.						
18.6	30.5	Ultrabasic - peridotite? - mostly carbonate, magnetic; it is grey to blue-grey in colour, usually has a speckled appearance (from carbonate). Locally there are numerous small black blobs of exsolved magnetite. There is a bit of talc and serpentine near the contacts. Upper contact ground, lower contact @ 50° to core axis. Very minor pyrite mineralization.						
30.5	248.6	Start of a zone of diorite - the first few feet are very dark and chloritic due to the adjacent ultrabasic. The black chlorite content gradually decreases away from the above zone. This first section is mainly coarse grained diorite and the finer grained material starts to appear at 86.8. The first bit of mineralization appears in this zone as well. The first mineral seen is pyrite, but further on there are occasional specks of chalcoprite	91	96		5		Split. Cu, Zn, Ni, Ag, Pb. Fine grained dior. - minor py, cp, pb.
			128	133		5		Some fine and coarse dior. - 3% py.

NORTH _____
 EAST _____
 ELEV. _____
 AZIM. _____
 DIP _____

DIAMOND DRILL REPORT

PROPERTY FRIPP #5 GROUP - BRUCE LAKE
Fripp Township

HOLE NO. FP5-5-71

2.

COMMENCED _____
 FINISHED _____
 PURPOSE OF _____
 HOLE _____

FROM	TO	DESCRIPTION	CORE SAMPLES					DESCRIPTION OF SAMPLE
			FROM	TO	RECOV.	WIDTH	ASSAY	
		and galena. Mineralization is not confined to the fine grained variety, although there is generally more sulphides there. This main zone of fine grained material, with a few coarse sections, ends at 111.						
		After 111, the diorite is generally coarse grained with a few fine grained sections:						
		120-121 - grey, hard, minor py, ep, epidote.						
		161.6-163 - grey, hard, minor py, ep, PbS, epidote.						
		182.1-183.2 - grey, hard, few specks py.						
		208.6-214 - " " " " " "						
		237.2-243.2 - black, with feldspar specks minor pyrite.	238	243		5		Black - fine grained diorite with specks of feldspar minor pyrite.
		acidic differentiate or inclusion.						
		132.7-133.5, 134.8-135.3, 143.2-148						
		These zones are pink, hard, minor min., very irregular contacts.						
		The remainder of this zone is coarse grained diorite - feldspars from time to time are stained pinkish by iron.						
		Other constituents include hornblende, chlorite and minor quartz. Mineralization is generally very minor - mainly pyrite,						
		only a few specks of chalcopyrite and galena.						

