



52G14SE0049 52G14SE0021 VALORA LAKE

010

### Diamond Drilling

Area of Valora Lake

Report NO 27

Work performed by: Consolidated Morrison Expl. Ltd.

Claim NO	Hole NO	Footage	Date	Note
PA 227092	B-1	581'	Mar/71	(1)
PA 227088	B-2	530'	Mar/71	(1)
	BB-9	557'	Mar/73	(3)
PA 227087	B-3	935'	Mar-Apr/71	(1)
	Pa.210420			
	bB-1	508'	Mar/72	(2)
	BB-2	413'	Mar/72	(2)
	BB-3	845'	Mar/72	(2)
	BB-5	405'	Apr/72	(2)
	BB-6	511'	Mar/73	(3)
	BB-7	585'	Mar/73	(3)
	BB-8	636'	Mar/73	(3)
Pa. 227099	BB-4	505'	Apr/72	(2)

Total:- 12 DH 7011'

#### Notes:

- (1) 276/71
- (2) 63/73
- (3) 64/73

## DIAMOND DRILL RECORD

NAME OF PROPERTY: Baird Option PA 227092

HOLE NO: B - 1 SHEET NO: 1

LENGTH: 596'

LOCATION: Line 40 W, Station 72 S

ELEVATION: Lake Level

AZIMUTH: 180°

STARTED: March 8, 1971

FINISHED: March 13, 1971

REMARKS: Prel. Log

LOGGED BY: J. E. McCombe

DUPLICATE COPY  
POOR QUALITY ORIGINAL  
TO FOLLOW

<u>Footage</u>	<u>Dip</u>	<u>Azimuth</u>
0	-60°	180°
300	-60°	
581	-60°	
0.0 - 50.0		Water
50.0 - 64.0		Mud, sand and gravel, Casing
64.0 - 69.0		Rhyolite - g.h., light coloured in places, fractured at 76.2 some pyrite and chalcopyrite.
96.0 - 120.0		Diorite - medium grade and medium colour
120.0 - 134.0		Rhyolite
134.0 - 134.8		Diorite
134.8 - 181.0		Rhyolite - A little disseminated pyrite throughout and also along fracture planes. A little chalco at 165.
		143 - 162 - rock very light in colour
		162 - 165 - more basic
181.0 - 182.5		Transition zone
182.5 - 217.6		Diorite - coarse grained, medium coloured, some disseminated pyrite, occasional speck of epidote
217.6 - 219.5		Transition zone and quartz and pyrite
219.5 - 225.0		Rhyolite - 1% sulphides pyrite and chalcopyrite
225.0 - 227.0		Diorite
227.0 - 261.0		Rhyolite - 1 - 2% disseminated pyrite sulphides and occasional speck of chalcopyrite at 228 - 1" - 10% sulphides
		235 - 239 - rock becomes more basic
		246 - 2" - 10% sulphides
261.0		Fault - 2" - mud seam
261.0 - 325.0		Rhyolite
		276 - more basic and slightly schistose
		281.5 - 289 - more basic
		291 1" - 20% sulphides, pyrite and chalcopyrite
		317.7 - specks of chalcopyrite

HOLE: B - 1  
SHEET NO: 2

325.0 - 381.0 Andesite? - more basic than above, coarser grained, in places slightly porphyritic

381.0 - 406 Rhyolite - sulphides at 387.5 chalco  
390.0 po  
402.5 po and chalco  
406 dissem. po

406.0 - 430.0 Andesite?  
Sulphides 407 - 2" po  
at 408 becomes darker, coarser grained  
408 - 425 - disseminated cubic pyrite  
418 - 2" - sulphides pyrite + po

430.0 - 552.0 Metavolcanic - schistose  
dark coloured - schistosity 70° CA  
high proportion of chlorite  
some pyrite finely disseminated and as coarse cubes  
occasionally some calcite

440 - 454 - rock is dark grey in colour  
441.5 - vuggy + calcite + pyrite  
461.0 - small blob of sulphides pyrite + chalco + po  
473.5 - small blob of sulphides pyrite + chalco + po  
506 - 507 - porphyritic appearance - coarse grained  
feldspar some siliceous bands

520 - 522 - very siliceous

506 - 527.5 - not as schistose as previously and more siliceous

552.0 - 558.0 Chlorite schist

576.0 - 596.0 Metavolcanic - schistose  
chlorite + some sericite  
siliceous bands  
occasional speck of pyrite

596.0 END OF HOLE

69.0 - 93.5	Box 1	527.5 - 552.0	Box 20
93.5 - 118.4	Box 2	552.0 - 576.0	Box 21
118.4 - 142.0	Box 3	576.0 - 596.0	Box 22
142.0 - 165.5	Box 4		
165.5 - 190.4	Box 5		
190.4 - 215.0	Box 6		
215.0 - 239.0	Box 7		
239.0 - 263.0	Box 8		
263.0 - 281.5	Box 9		
281.5 - 311.0	Box 10		
311.0 - 335.0	Box 11		
335.0 - 358.0	Box 12		
358.0 - 382.4	Box 13		
382.4 - 406.0	Box 14		
406.0 - 430.0	Box 15		
430.0 - 454.0	Box 16		
454.0 - 478.0	Box 17		
478.0 - 502.4	Box 18		
502.4 - 527.5	Box 19		

# DIAMOND DRILL RECORD

NAME OF PROPERTY \_\_\_\_\_

BAIRD OPTION \_\_\_\_\_

Va. 227092

 HOLE NO. B-1

 SHEET NO. 1

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS																	
FROM	TO		NO.	COLUMN IDES	FOOTAGE FROM TO TOTAL																		
		*** HOLE NO. <u>B-1</u> LENGTH <u>596'</u> LOCATION <u>Line 40 W, Station 72 S</u> ELEVATION <u>Lake Level</u> AZIMUTH <u>180°</u> STARTED <u>March 8, 1971</u> FINISHED <u>March 13, 1971</u> REMARKS <u>Frel. Log</u> LOGGED BY <u>J.E. McCombe</u>																					
		<table border="1"> <thead> <tr> <th>Footage</th> <th>Dip</th> <th>Azimuth</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>-60°</td> <td>180°</td> </tr> <tr> <td>300</td> <td>-60°</td> <td></td> </tr> <tr> <td>531</td> <td>-60°</td> <td></td> </tr> </tbody> </table>	Footage	Dip	Azimuth	0	-60°	180°	300	-60°		531	-60°										
Footage	Dip	Azimuth																					
0	-60°	180°																					
300	-60°																						
531	-60°																						
0	50	Water																					
50	61	Mud, Sand and Gravel Casing																					
61	67	Bedrock																					
67	96.0	Rhyolite - f.g., light coloured in places, fractured at 76.2 some <u>pyrite</u> and <u>chalcopryrite</u>																					
96.0	120.0	Diorite - medium grade and medium colour																					
120.0	134.0	Rhyolite																					
134.0	134.8	Diorite																					
134.8	141.0	Rhyolite - A little disseminated <u>pyrite</u> throughout and also along fracture planes. A little <u>chalc</u> at 165.																					
		141-162 - rock very light in colour																					
		162-165 - more basic																					
181.0	182.5	Transition zone																					
182.5	217.6	Diorite - coarse grained, medium coloured, some disseminated <u>pyrite</u> occasional speck of <u>epidote</u>																					
217.6	217.5	Transition zone + quartz + <u>pyrite</u>																					
217.5	225.0	Rhyolite - 1% sulphides <u>pyrite</u> + <u>chalcopryrite</u>																					
225.0	227.0	Diorite																					

PAIRIA  
 MARCH 13 1971  
 P.M.

# DIAMOND DRILL RECORD

NAME OF PROPERTY \_\_\_\_\_ BAIRD OPTION \_\_\_\_\_  
 HOLE NO. B-1 SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO	% SULPHIDES	FOOTAGE		%	%	oz ton	oz ton
				FROM	TO	TOTAL				
227.0	261.0	sulphides Rhyolite - 1-2% disseminated pyrite and occasional speck of chalcopryite at 228 - 1" - 10% sulphides  235-239 - rock becomes more basic 246 - 2" - 10% sulphides  Fault - 2" - mud seam								
261.0	325.0	Rhyolite 276 - more basic and slightly schistose 281.5-289 - more basic 291 1" - 20% sulphides, pyrite + chalcopryite 317.7 - specks of chalcopryite								
325.0	381.0	Andesite ? more basic than above, coarser grained in places slightly porphyritic								
381.0	406	Rhyolite - sulphides at 387.5 chalco 390.0 po 402.5 po + chalco 406 - dissem. po								
406	430	Andesite ?  Sulphides 407 - 2" po at 408 becomes darker, coarser grained 408-425 disseminated cubic pyrite 418 - 2" - sulphies pyrite + po								
430	552	Metavolcanic - schistose dark coloured - schistesity 70° CA high proportion of chlorite some pyrite finely disseminated and as coarse cubes occasionally some calcite  440-454 - rock is dark grey in colour 441.5 - vuggy + calcite + pyrite 461.0 - small blob of sulphides pyrite + chalco + po 473.5 - small blob of sulphides pyrite + chalco + po 506-507 - porphyritic appearance - coarse grained feldspar some siliceous bands  520-522 - very siliceous								

PATRICIA  
 MINING DIV.  
 1940

# DIAMOND DRILL RECORD

NAME OF PROPERTY BAIRD OPTION

HOLE NO. B-1 SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ TON	OZ TON
					FROM	TO				
		506-527.5 - not as schistose as previously and more siliceous								
552	558	Chlorite schist								
576	596	Metavolcanic - schistose chlorite + some sericite siliceous bands occasional speck of pyrite								
596		<u>END OF HOLE</u>								
69	93.5	Box 1								
93.5	118.4	Box 2								
118.4	142.0	Box 3								
142.0	165.5	Box 4								
165.5	190.4	Box 5								
190.4	215.0	Box 6								
215.0	239.0	Box 7								
239.0	263.0	Box 8								
263.0	281.5	Box 9								
281.5	311.0	Box 10								
311.0	335.0	Box 11								
335.0	353.0	Box 12								
353.0	382.4	Box 13								
382.4	406.0	Box 14								
406.0	430.0	Box 15								
430.0	454.0	Box 16								
454.0	473.0	Box 17								
473.0	502.4	Box 18								
502.4	527.5	Box 19								
527.5	552.0	Box 20								
552.0	576.0	Box 21								
576.0	596.0	Box 22								

PAID  
 1911  
 11-11-11

# DIAMOND DRILL RECORD

NAME OF PROPERTY \_\_\_\_\_

BAIRD OPTION

Pa. 227088

HOLE NO. B-2

SHEET NO. 1

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS																		
FROM	TO		NO.	% SULPHIDES	FOOTAGE FROM TO TOTAL	%	%	% TON	% TON															
		<p>*** HOLE NO. <u>B-2</u> LENGTH <u>550'</u></p> <p>LOCATION <u>Line 40 W, Station 77 S</u></p> <p>ELEVATION <u>Lake Level</u> AZIMUTH <u>0°</u></p> <p>STARTED <u>March 14, 1971</u> FINISHED <u>March 19, 1971</u></p> <p>REMARKS <u>Prel. Log</u> LOGGED BY <u>J.E. McCombe</u></p> <table border="1"> <tr> <th>Footage</th> <th>Dip</th> <th>Azimuth</th> </tr> <tr> <td>0'</td> <td>-60°</td> <td>0°</td> </tr> <tr> <td>120'</td> <td>-65°</td> <td></td> </tr> <tr> <td>300'</td> <td>-67°</td> <td></td> </tr> <tr> <td>*** 530'</td> <td>-69°</td> <td></td> </tr> </table>	Footage	Dip	Azimuth	0'	-60°	0°	120'	-65°		300'	-67°		*** 530'	-69°								
Footage	Dip	Azimuth																						
0'	-60°	0°																						
120'	-65°																							
300'	-67°																							
*** 530'	-69°																							
0	55	Water																						
55	96	Mud, sand and gravel } Casing																						
96	100	Bedrock																						
100	150	Granodiorite? - medium grained and medium grey in colour f.g. disseminated pyrite 1-2% - in some places a few cubes of pyrite																						
		121-122 - fine grained in some places fractured - fractures filled with quartz and occasional pyrite, chalcopryrite and chlorite																						
150	237	Inter to Acidic Volcanics? grey in colour - 50% matrics - 50% light coloured occasional specks of pyrite																						
		151-1/2 fracture filled with quartz and 20% sulphides - pyrite + chalcopryrite																						
		- fracturing 30° CA																						
		185-195 siliceous																						
		195-215 porphyritic																						
		215-220 gneissic appearance - biorite?																						
		220-237 porphyritic appearance																						
		3 - 5% sulphides																						
		pyrite and occasional chalcopryrite																						

PAIRISIA  
 MINING DIV.  
 100 R. J. W. 111  
 MAR. 20 1971  
 P.V.

# DIAMOND DRILL RECORD

NAME OF PROPERTY \_\_\_\_\_ BAIRD OPTION  
 HOLE NO. B-2 SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS			
FROM	TO		NO.	% SULPHIDES	FOOTAGE				
				FROM	TO	TOTAL	%		
237	316	Metavolcanics - basic - greenish grey to black in colour - occasional disseminated cubic pyrite - in places quartz filled fractures 30° CA 262 - quartz and pyrite and chalcopyrite 267 - 2" quartz 237-276 porphyritic and light coloured 282-292 porphyritic 292-298 porphyritic 298-316 quartz filled fractures + pyrite + chalcopyrite							
316	437	Rhyolite? fine grained and siliceous disseminated pyrite - in places cubic - occasional specks of chalcopyrite - fractures filled with quartz and pyrite 340-365 - 2-3% disseminated pyrite and occasional speck of chalcopyrite							
437	445	Granodiorite? - light grey in colour, fine grained and dense							
445	466	Metavolcanic - basic - as before							
466	504	Rhyolite? - as before - occasional blue quartz eyes							
504	509	Transition zone - specks of pyrite and chalcopyrite - 1-2% sulphides							
509	529	Granodiorite? - medium grey in colour - medium grained - 2-3% disseminated sulphides-mainly pyrite but occasional chalcopyrite and po							
529	550	Rhyolite? - as before - very siliceous - 2-3% disseminated pyrite							
550		<u>END OF HOLE</u>							

PATRICK J  
 MINING DIV.



# DIAMOND DRILL RECORD

NAME OF PROPERTY \_\_\_\_\_ BAIRD OPTION  
 HOLE NO. B-2 SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS			
FROM	TO		%	FOOTAGE		%	OZ. TON	OZ. TON	
				FROM	TO				TOTAL
100	124	Box 1							
124	148	Box 2							
148	171	Box 3							
171	195	Box 4							
195	220	Box 5							
220	243	Box 6							
243	268	Box 7							
268	292	Box 8							
292	316	Box 9							
316	340	Box 10							
340	365	Box 11							
365	389	Box 12							
389	416	Box 13							
416	440	Box 14							
440	466	Box 15							
466	490	Box 16							
490	514	Box 17							
514	538	Box 18							
538	550	Box 19							

PAID BY  
 JUL 29 1971

# DIAMOND DRILL RECORD

COLLAR:—

NORTH \_\_\_\_\_  
 EAST \_\_\_\_\_  
 ELEVATION \_\_\_\_\_  
 DIP \_\_\_\_\_  
 LOCATION Line 28W,  
Station 76 S

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-60°	180°			
265	-58°				
600	-58°				
935	-54				

PROPERTY BAIRD OPTION

CORE SIZE \_\_\_\_\_  
 COMMENCED March 20, 1971  
 FINISHED April 6, 1971  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO. B - 3  
 SHEET NO. 1  
 LENGTH 955'  
 LOGGED BY J.E. McCombe

FOOTAGE		DESCRIPTION	CORE SAMPLE NUMBER	FOOTAGE			ASSAYS				AVERAGES			
FROM	TO			FROM	TO	TOTAL	OZ TON Au	OZ TON AG	CU	ZN	AurW	AgW	CuW	ZnW
0.0	70.0	Water: )	B-3				Av	Ag	Cu	30Elem				
70.0	90.0	Mud ) Casing												
90.0	260.0	Sand and Gravel - Boulder at 250 )												
		AX - 265'												
		BW - 209'												
		NX+NW - 201'												
260.0	266.0	Bedrock )												
266.0	300.0	"Volcanic Breccia"	1	291	296	5'	NIL	NIL	0.07	2 - 3 "				
		- fine grained - hard to distinguish individual minerals dark green in colour.												
		- sec quartz cutting rock giving it the appearance of a breccia disseminated sulphides in places												
		2 - 3% - mainly pyrite but occasional chalcopyrite and po												
300.0	303.0	Transition zone from rock type above to a basic volcanic												
303.0	337.0	Basic Volcanic - fairly coarse grained 306 - 307	B - 3				Au	Ag	Cu	"				
		"Andesite" - fine grained 308.5 - 315												
		- dark in colour - approximately 50% matrix cut by sec quartz - 1 - 2% disseminated sulphides mostly pyrite but occasional speck chalcopyrite												
		- occasional sec chlorite												
		310 - 311 - schistose with stringers of quartz and sulphides												
		315 - 337 - becomes more acidic												

**DUPLICATE COPY**  
**FOR QUALITY ORIGINAL**  
**TO FOLLOW**





# DIAMOND DRILL RECORD

COLLAR—  
 NORTH \_\_\_\_\_  
 EAST \_\_\_\_\_  
 ELEVATION \_\_\_\_\_  
 DIP \_\_\_\_\_  
 LOCATION \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

PROPERTY \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

CORE SIZE \_\_\_\_\_  
 COMMENCED \_\_\_\_\_  
 FINISHED \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_  
 MOLE NO. B - 3  
 SHEET NO. 4  
 LENGTH \_\_\_\_\_  
 LOGGED BY J. E. McCombe

FOOTAGE FROM TO	DESCRIPTION	CORE SAMPLE NUMBER	FOOTAGE			ASSAYS				AVERAGES					
			FROM	TO	TOTAL	OZ TON Au	OZ TON Ag	% Cu	% Zn	AuxW	AuxW	CuxW	ZnxW		
468.0   476.6	Intrusive 470.3 1/2" f.g. chlorite schist 473.0 473.4 - diorite?														
476.6   488.0	Diorite - medium grained														
488.0   490.5	Intrusive														
490.5   529.0	"Volcanic Breccia" - same material as logged earlier in hole. Percentage of sulphides perhaps a little higher say 2 - 3% mainly pyrite with some chalcopyrite and occasional po. Rock appears to be an igneous rock either flow or intrusive which has been fractured. Fractures filled with quartz and some disseminated sulphides. Rock is medium grained and dark in colour. 490.1 - 2" - quartz stringer 518 - 529 - rock is lighter in colour and slightly less fractured.	16	490.5	499.5	9'	NIL	NIL	0.05	"						
		17	518.0	523.0	5'	NIL		0.07							
529.0   532.3	Diorite 2 - 3% disseminated pyrite.														
532.3   576.5	"Volcanic Breccia" 545 - 546 - shear zone - very schistose quartz and sericite and chlorite pyrite and chalcopyrite and sphalerite 7 - 8% 553 - 554.8 - shear zone - brecciated & chlorite lower than above but some sulphide mineralization 554.8 - 557 - volcanic breccia but fine grained matrix - possibly some finely disseminated sphalerite.	18	545.0	555.0	10'	NIL		0.24	1.00	30Elem					
		B 3						Cu	Au	"					











BAIRD OPTION

HOLE B - 3

Sheet No. 9

955

END OF HOLE

266.0 - 291.0	Box 1
291.0 - 315.0	Box 2
315.0 - 339.0	Box 3
339.0 - 363.0	Box 4
363.0 - 387.0	Box 5
387.0 - 411.5	Box 6
411.5 - 436.0	Box 7
436.0 - 460.0	Box 8
460.0 - 484.0	Box 9
484.0 - 509.0	Box 10
509.0 - 533.0	Box 11
533.0 - 557.0	Box 12
557.0 - 581.0	Box 13
581.0 - 605.0	Box 14
605.0 - 629.0	Box 15
629.0 - 653.5	Box 16
653.5 - 677.5	Box 17
677.5 - 701.0	Box 18
701.0 - 725.0	Box 19
725.0 - 749.0	Box 20
749.0 - 773.0	Box 21
773.0 - 797.0	Box 22
797.0 - 821.0	Box 23
821.0 - 845.0	Box 24
845.0 - 869.0	Box 25
869.0 - 893.0	Box 26
893.0 - 918.0	Box 27
918.0 - 942.0	Box 28
942.0 - 955.0	Box 29

# DIAMOND DRILL RECORD

NAME OF PROPERTY \_\_\_\_\_

HOLE NO. B-3

SHEET NO. 1

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS																			
FROM	TO		NO.	% SULPHIDES	FOOTAGE FROM TO TOTAL	%	%	01 TON	02 TON																
		<p>*** HOLE NO <u>B-3</u> LENGTH <u>955'</u></p> <p>LOCATION <u>Line 28W, Station 76 S</u></p> <p>ELEVATION <u>Lake Level</u> AZIMUTH <u>180°</u></p> <p>STARTED <u>March 20, 1971</u> FINISHED <u>April 6, 1971</u></p> <p>REMARKS <u>Prel. Log</u> LOGGED BY <u>J.E. McCombe</u></p> <table border="1"> <tr> <th>Footage</th> <th>Dip</th> <th>Aximuth</th> </tr> <tr> <td>0</td> <td>-60°</td> <td>180°</td> </tr> <tr> <td>265</td> <td>-58°</td> <td></td> </tr> <tr> <td>609</td> <td>-58°</td> <td></td> </tr> <tr> <td>*** 935</td> <td>-54°</td> <td></td> </tr> </table>	Footage	Dip	Aximuth	0	-60°	180°	265	-58°		609	-58°		*** 935	-54°									
Footage	Dip	Aximuth																							
0	-60°	180°																							
265	-58°																								
609	-58°																								
*** 935	-54°																								
0	70	Water	B-3																						
70	90	Mud																							
90	260	Sand and Gravel - Boulder at 250																							
260	266	Bedrock																							
266	300	<p>"Volcanic Breccia"</p> <p>- fine grained - hard to distinguish individual minerals dark green in colour</p> <p>- sec quartz cutting rock giving it the appearance of a breccia disseminated sulphides in places 2-3% - mainly pyrite but occasional chalcopyrite and po</p> <p>281-284 has "gneissic" appearance banding 80° CA</p> <p>271-300 slightly higher % matrics - py is cubic</p>	1	2-3	291	296	5'	0.07																	
300	303	Transition zone from rock type above to a basic volcanic																							
303	337	<p>Basic Volcanic - fairly coarse grained 306-307</p> <p>"Andesite" - fine grained 308.5-315</p> <p>- dark in colour - approx 50% matrics</p> <p>cut by sec quartz - 1-2% disseminated sulphides mostly pyrite but occasional speck chalcopyrite</p>	B-3																						

PA  
NO.  
JUL  
AM  
1971



# DIAMOND DRILL RECORD

NAME OF PROPERTY: \_\_\_\_\_ LAB. OPTION: \_\_\_\_\_  
 HOLE NO. B-3 SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ. TON	OZ. TON	
					FROM	TO	TOTAL					
439	454	Intrusive as above slip planes 65° CA generally coated with pyrite with occasional chalcocopyrite										
454	464	Diorite - very fine grained leading contact 90° CA										
464	467.3	Intrusive as before - leading contact 60° CA - leading contact 65° CA	B-3				Cu	Zn	Au	Ag	30 Elements	
467.3	468	Diorite										
468	476.6	Intrusive 470.3 1/2" f.g. chlorite schist 473.0-473.4 - diorite?										
476.6	483	Diorite - medium grained										
483	490.5	Intrusive										
490.5	529	"Volcanic Breccia" - same material as logged earlier in hole. Percentage of sulphides perhaps a little higher say 2-3% mainly pyrite with some chalcocopyrite and occasional no. Rock appears to be an igneous rock either flow or intrusive which has been fractured. Fractures filled with quartz and some disseminated sulphides. Rock is medium grained and dark in colour. 490.1 - 2" quartz stringer 513-529 rock is lighter in colour and slightly less fractured	16		490.5	499.5	9'	0.05		Nil	Nil	"
			17		513	523	5'	0.07		Nil		
529	532.3	Diorite 2-3% disseminated pyrite										
532.3	546.5	"Volcanic Breccia" 545-546 - shear zone - very schistose quartz and sericite and chlorite pyrite and chalcocopyrite and sphalerite 7-8% 553-554.8 - shear zone - brecciated chlorite lower than above but some sulphide mineralization 554.8-557 - volcanic breccia but fine grained matrix - possibly some finely disseminated sphalerite	18		545	555	10'	0.2%	1.00	Nil		30 Elements
			B-3				Cu		Au			"

# DIAMOND DRILL RECORD

NAME OF PROPERTY \_\_\_\_\_ BALDWIN OPTION  
 HOLE NO. B-3 SHEET NO. 4

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ./TON	OZ. TON
				FROM	TO	TOTAL					
		557-576.5 - Volcanic breccia but generally less brecciated and in places has texture of material logged as "intrusive" i.e. may be transition zone. Sulphide mineralization has decreased and is confined mostly to fracture fillings with quartz rather than disseminated throughout rock									
576.5	579	Tuft? f.g. dark green colour, fairly dense, some disseminated cubic pyrite - metavolcanic									
579	587.8	Volcanic Breccia 582.0-582.3 - small stringer of intrusive									
587.8	600.8	Intrusive	19		587.8	600.8	13'	0.08	r	Nil	37 g/ton
600.8	602.0	Volcanic Breccia									
602.0	603.6	Intrusive									
603.6	605.3	Volcanic Breccia - All contacts 90° CA									
605.3	606.7	Intrusive - Large phenocrysts of feld in addition to blue quartz eyes. Feldspar slightly altered - Kaolin? light greenish colour leading contact 74° CA trailing contact 80° CA (irregular)									
606.7	615.0	Volcanic Breccia									
615.0	618.0	Intrusive - much finer grained than previously - quartz and feld phenocrysts 2% sulphides pyrite and chalcopyrite and po Contacts 75° CA									
618.0	618.7	Volcanic Breccia									
618.7	623.7	Intrusive as trim 615.0-618.0 but has "squeezed" look - leading contact 75° CA - trailing contact 75° CA									

P.A. N. 5/10  
 JUL 29 1971  
 AM 7:00 PM 1:00

# DIAMOND DRILL RECORD

NAME OF PROPERTY \_\_\_\_\_

BALD OPTION \_\_\_\_\_

 HOLE NO. B-3

 SHEET NO. 5

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ. TON	OZ. TON
					FROM	TO	TOTAL				
623.7	626.4	Sericite - chlorite - schist									
626.4	628.3	Intrusive - gneissic appearance									
628.3	628.9	Sericite - chlorite - schist									
628.9	630.3	Intrusive - gneissic appearance									
630.3	633.6	Volcanic Breccia - has gneissic appearance with gneissosity 40° CA									
633.6	635.0	Intrusive									
635.0	641.0	Gneiss - red granite gneissosity 52° CA									
641.0	643.5	Transition zone from red granite gneiss to intrusive	B-3								
643.5	648.3	Intrusive - has "squeezed" appearance									
648.3		Fault - fault gouge - chlorite and sericite and ?									
648.3	653.0	Volcanic Breccia with gneissic appearance									
653.0	705.1	Intrusive Contact with above slickensided and 60° CA 654-677 - disseminated sulphide mineralization is very erratic	20	653	653	5'	0.05		Nil		
			21	677.5	682.5	5'	0.16		Nil		
			22	701	706	5'	0.10		T		
705.1	705.9	Diorite? very fine grained and dark leading contact irregular but approximately 90° CA trailing contact 80° CA									
705.9	701.5	Intrusive 728-729 - Schistose - planes are slickensided and 90° CA 763-777 - finer grained with possibly a little more sulphide mineralization from 763 on appears to be the same quartz porphyry intrusive, however, matrix has become very fine grained. In places the quartz eyes disappear generally 773-797. % of sulphides has increased	23	710	715	5'	0.05		Nil		
			24	763	773	10'	0.11		Nil		
			25	773	797	24'	0.11		Nil		

# DIAMOND DRILL RECORD

NAME OF PROPERTY \_\_\_\_\_ HARD OPTION \_\_\_\_\_

HOLE NO. B-3

SHEET NO. 6

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ. TON	OZ. TON
				FROM	TO	TOTAL				
		734-786 : core very broken 788-789 ) some ground?	B-3				Cu		Au	
801.5	803	Contact zone between volcanic breccia and intrusive								
803	806	Volcanic breccia								
806	817	Intrusive - has become more coarse grained. Sulphide mineralization has become more erratic and where it occurs is of a lesser % than previous f.g. material 869-877 - a little more sulphide mineralization slip planes 80° CA	26	831	836	5'	0.03		Nil	
877	878.5	Volcanic breccia - contact with above 80° CA								
878.5	880	Intrusive - contact with above 80° CA								
880	882	Volcanic breccia - contact with above 90° CA								
882	883.7	Intrusive - contact with above 90° CA (Includes 1" of volcanic breccia with contacts 60° CA)								
883.7	885	Volcanic breccia - Contact with intrusive is 80° CA - has occasional disseminated pyrite and odd specks of chalcopyrite								
885	899	Intrusive Short sections of Volcanic breccia 894.4 - 894.5 896.0 - 896.7 898.2 - 899.3  - has some disseminated sulphides - 1% - contacts 70° CA								
907	917.4	Red granite gneiss - disseminated sulphides 5-6% mostly pyrite but occasional speck of chalcopyrite  - altered with considerable chlorite - gneissosity roughly 90° CA								

P. A. R. S. I. A.  
 MINING DIV.  
 JUL 29 1971  
 PM



# DIAMOND DRILL RECORD

NAME OF PROPERTY: \_\_\_\_\_

BARRE OPTION: \_\_\_\_\_

HOLE NO. B-3

SHEET NO. 7

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPH IDES	FOOTAGE			%	%	OZ. TON	OZ. TON
					FROM	TO	TOTAL				
		913-914 - pegmatitic with a few blobs of pyrite and chalcopyrite									
917.4	933.5	Chlorite schist - schistosity 20° CA By 933.5 has become more dense and less schistose Schistosity now 65° CA At 930 - 5" tuffaceous band - dense, hard, cut by quartz stringer with 4% pyrite and chalcopyrite 931.5 - small stringer of calcite									
933.5	935.6	Pegmatitic - core broken - quartz and unidentified black mineral									
935.6	955	Granite - varying from light grey to light red in colour. Medium grained. Approximately 2-3% disseminated sulphides mostly pyrite with some chalcopyrite and po									
955		<u>END OF HOLE</u>									
266	291	Box 1									
291	315	Box 2									
315	337	Box 3									
337	363	Box 4									
363	387	Box 5									
387	411.5	Box 6									
411.5	436	Box 7									
436	460	Box 8									
460	484	Box 9									
484	509	Box 10									
509	533	Box 11									
533	557	Box 12									
557	581	Box 13									
581	605	Box 14									
605	629	Box 15									
629	653.5	Box 16									
653.5	677.5	Box 17									
677.5	701	Box 18									
701	725	Box 19									
725	749	Box 20									
749	773	Box 21									

PATERSON  
 MINING DIV.  
 REGISTRATION  
 JUL 29 1971

# DIAMOND DRILL RECORD

NAME OF PROPERTY \_\_\_\_\_

HOLE NO. B-3

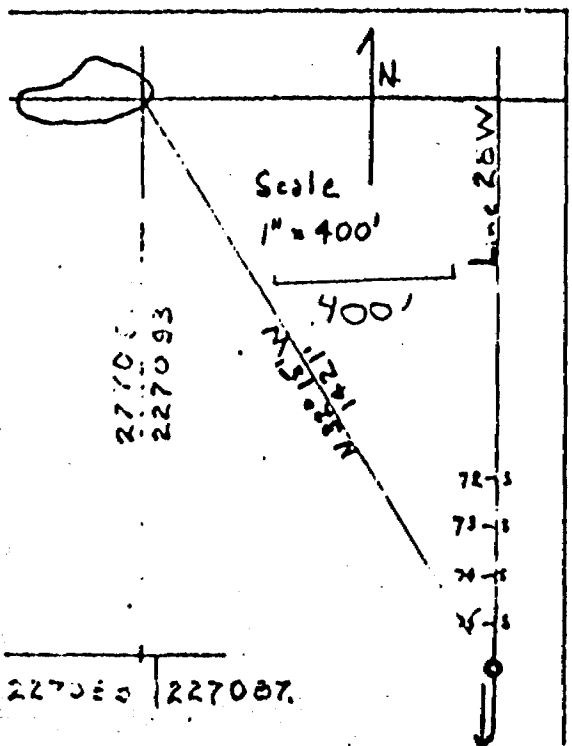
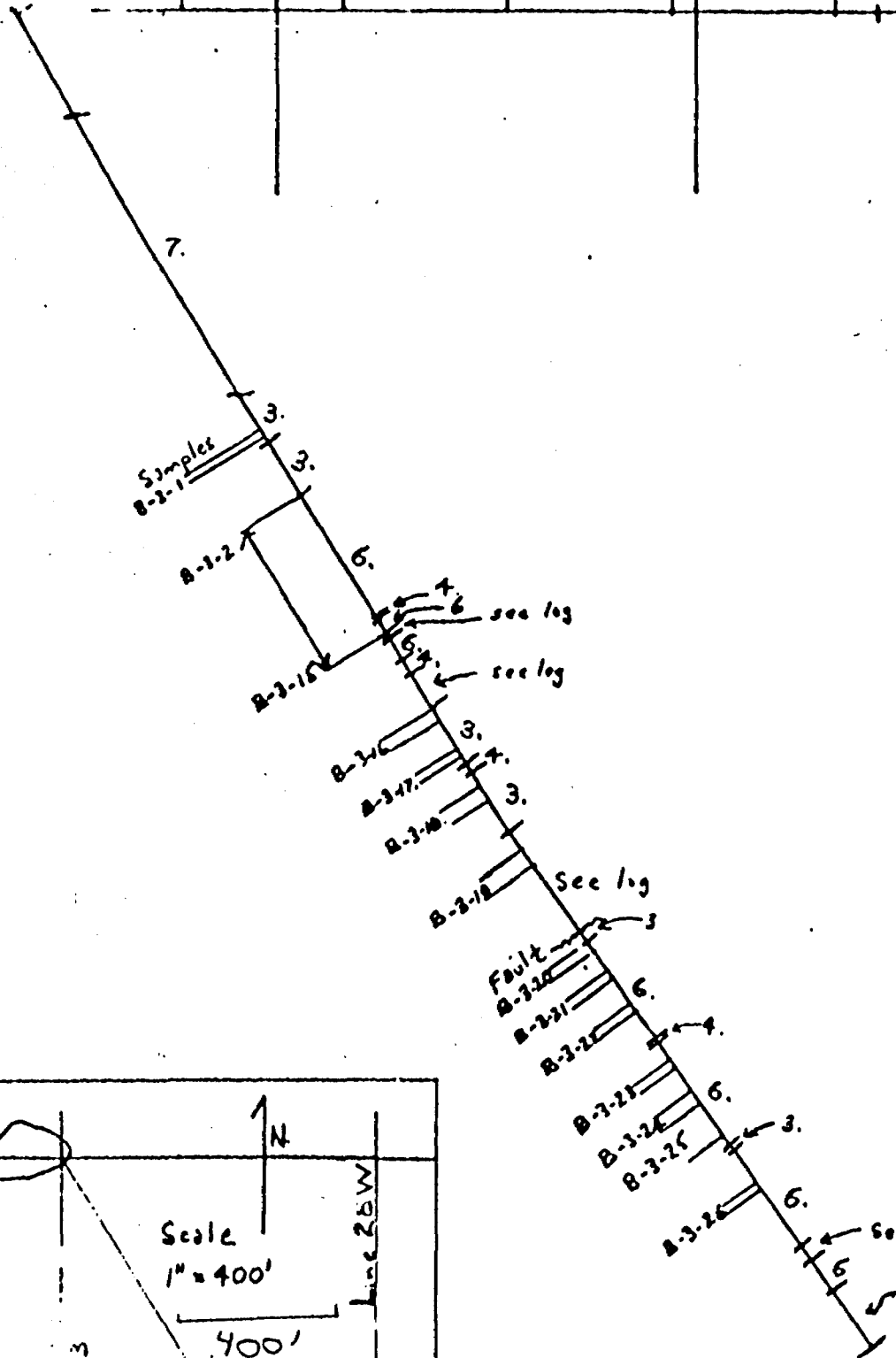
SHEET NO. 8

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	GR. TON	GR. TON
					FROM	TO	TOTAL				
773	797	Box 22									
797	821	Box 23									
821	845	Box 24									
845	869	Box 25									
869	893	Box 26									
893	918	Box 27									
918	942	Box 28									
942	955	Box 29									

PA. RI. 216  
 DIV.

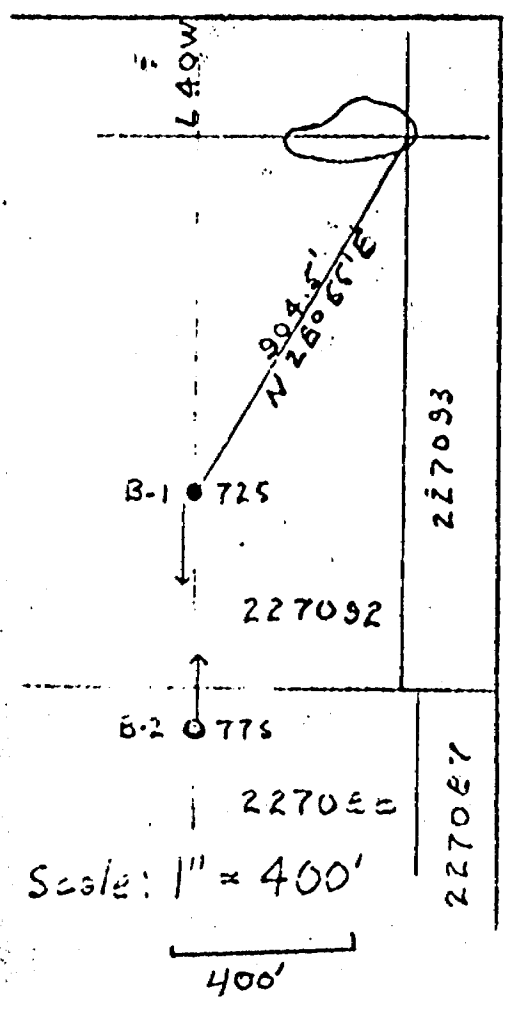
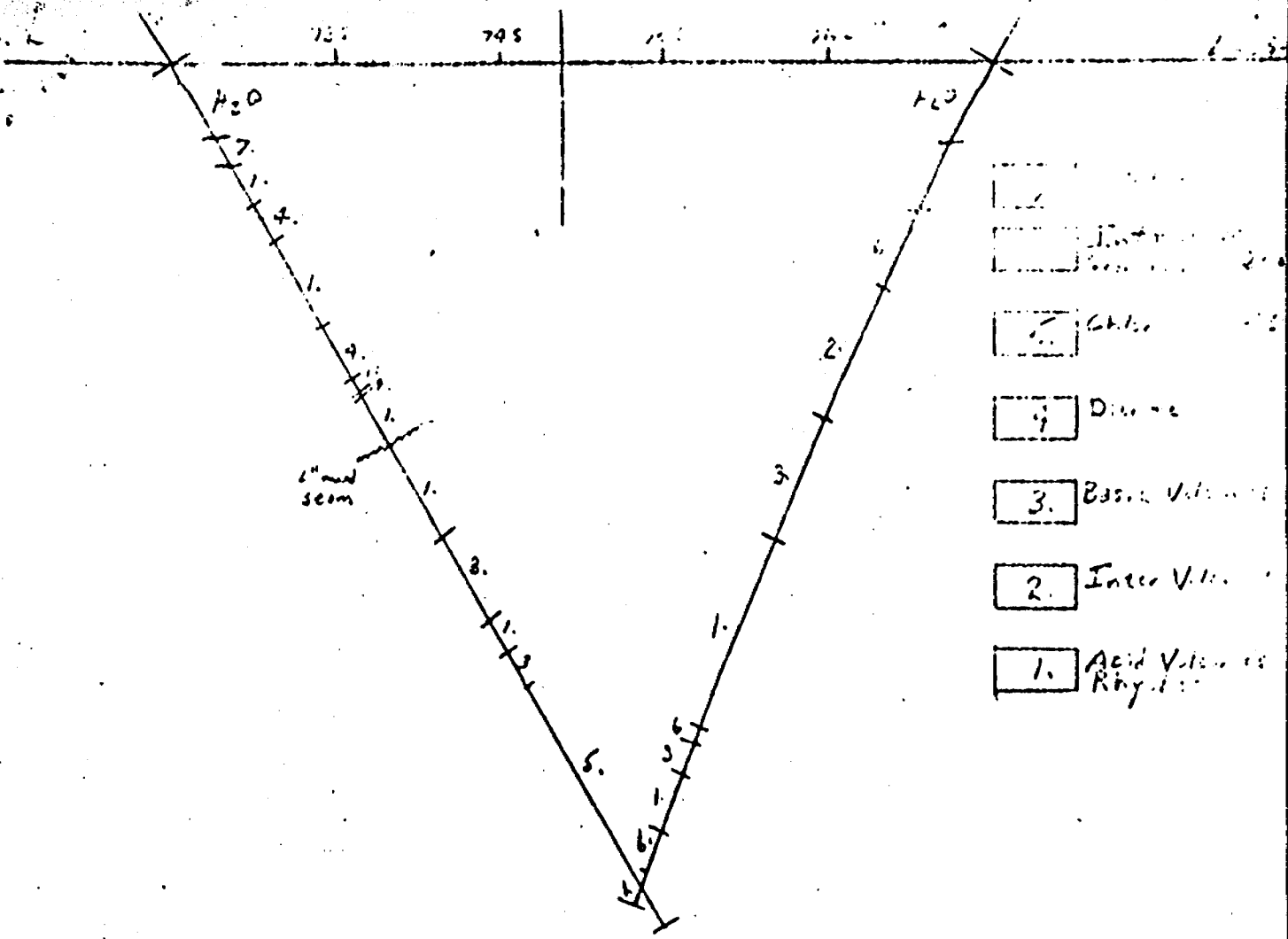
725 750 775 805 815 825 L25

- 7. Over ...
- 6. Intrusive ...
- 5. Chlorite Sch ...
- 4. Diorite
- 3. Basic Volcanics  
Volcanic Brecc
- 2. Inter Volcan
- 1. Acid Volcanic

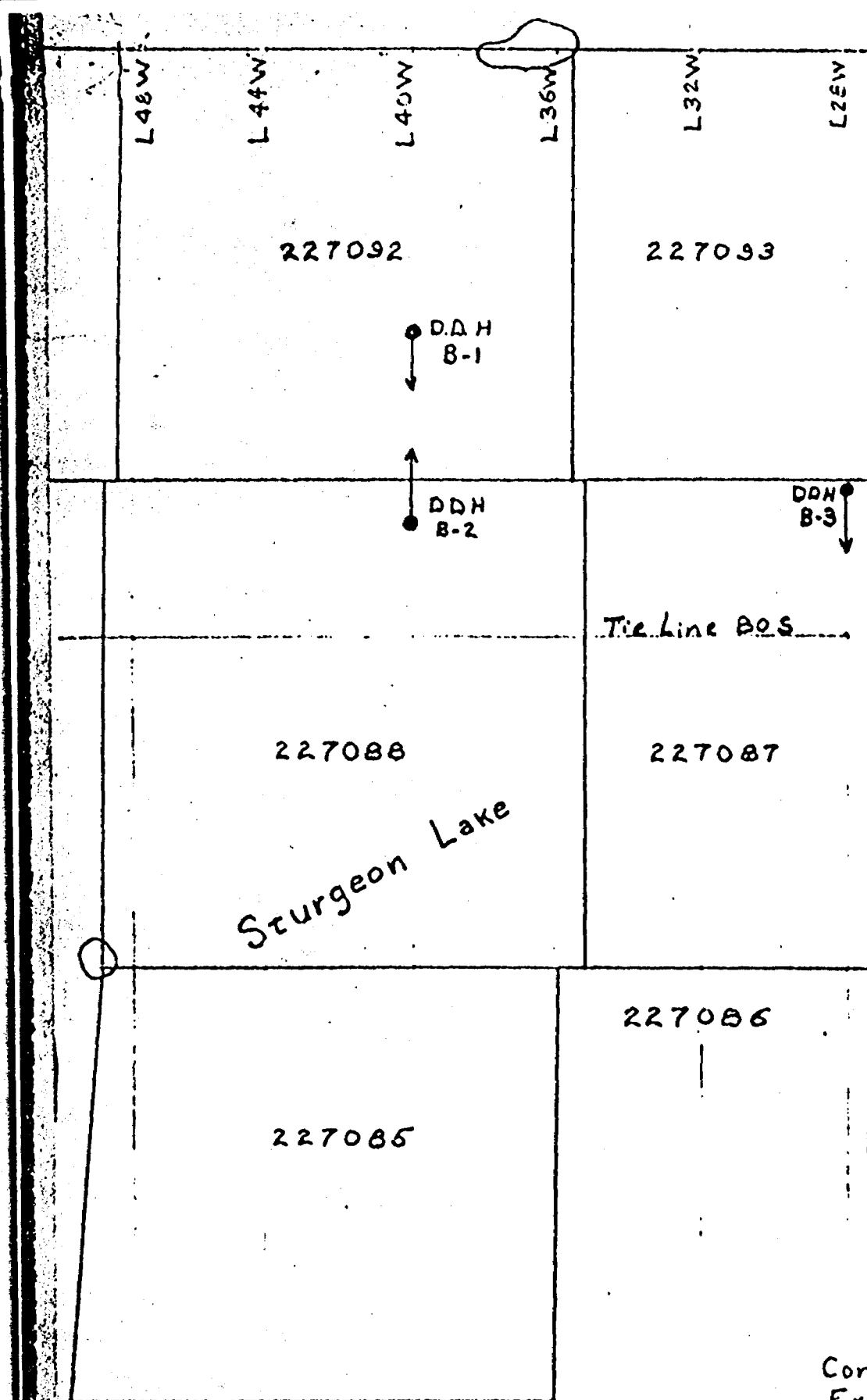


Consolidated Morris  
Explorations Ltd.  
Baird Option  
Section D.D.H. No. B-3  
Scale: H+V - 1" = 100'

27/7/7



Consolidated Morrison  
 Explorations Limited  
 Baird Option  
 Sections: DDH No. B-1 and B-2  
 Scale: H+V - 1" = 100'

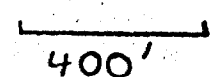


Sturgeon Lake

Tie Line B05

Consolidated Morrison  
Explorations, Limited  
Baird Option

Drill Hole Loc.:  
Scale: 1" = 400'



IMPERIAL OIL LIMITED - DIAMOND DRILL HOLE LOG

PROPERTY Consolidated Morrison Explor. Ltd LOCATION Beidelman Bay, Sturgeon Lake

NTS CODE 52 G HOLE NO. BB 1

LATITUDE ..... AZIMUTH 180° PURPOSE I.P. conductor, possible massive sulphides

DEPARTURE ..... DIP 60° STARTED March 18, 1972

ELEVATION ..... CORE AXT COMPLETED March 20, 1972

SECTION Line 72W 79 S LOGGED BY Z. Hasan

REF. GRID West Grid

DIP TESTS

TEST	FOOTAGE			DIP		LATITUDE		DEPARTURE	
	FROM	TO	TOTAL		CORR.		CUM.		CUM.
Acid		200		61°					
		400		62°					



Valora Lt  
 REPORT #63-73  
 CONSOLIDATED MORRISON  
 EXPL. LTD.

FOOTAGE		DESCRIPTION	CORE SAMPLES					
FROM	TO		NO.	FROM	TO	WIDTH		AVERAGES
0	55	Casing - water						
55	60	Coarse grained granodiorite, disseminated py in fine grained sections, upper 2 ft. has weathered into pink granodiorite						
60	74.6	Coarse grained quartz granodiorite, 3" thick quartz vein at 30° filled with .5% py in stringers at 30°.						
74.6	80	Coarse grained granodiorite with cubes of disseminated <u>py</u> .						
80	83.6	Sheared chlorite rich fine grained diorite ends in a quartz vein, very little <u>pyrite</u> .						
83.6	90.6	Sheared granodiorite (foliation 10° - 30°) with less than .5% py, a few quartz stringers.						
90.6	96	Coarse grained to slightly sheared granodiorite, no pyrite.						
96	115	Coarse grained granodiorite to granite. Very little accessory pyrite. Cubes of secondary pyrite along horizontal joint surface. granodiorite						
115	119	Coarse grained with a parallel chlorite and quartz-filled joint.						
119	121.6	Fine grained sheared mafic diorite with chloritic alteration, no pyrite.						
121.6	123.6	Medium grained granodiorite.						
123.6	134	Coarse grained granodiorite with accessory amount of py.						
134	152	Coarse grained granodiorite with py (.1 - .5%) in chlorite filled fractures (40°). Also a thin layer of quartz-xl tuff						
152	156	Quartz feldspar xl tuff with sheared matrix at 45°. Very thin pyrite layers.						
156	159.6	Sheared felsic crystal tuff						
159.6	166	Fine grained andesite, no sulphides.						

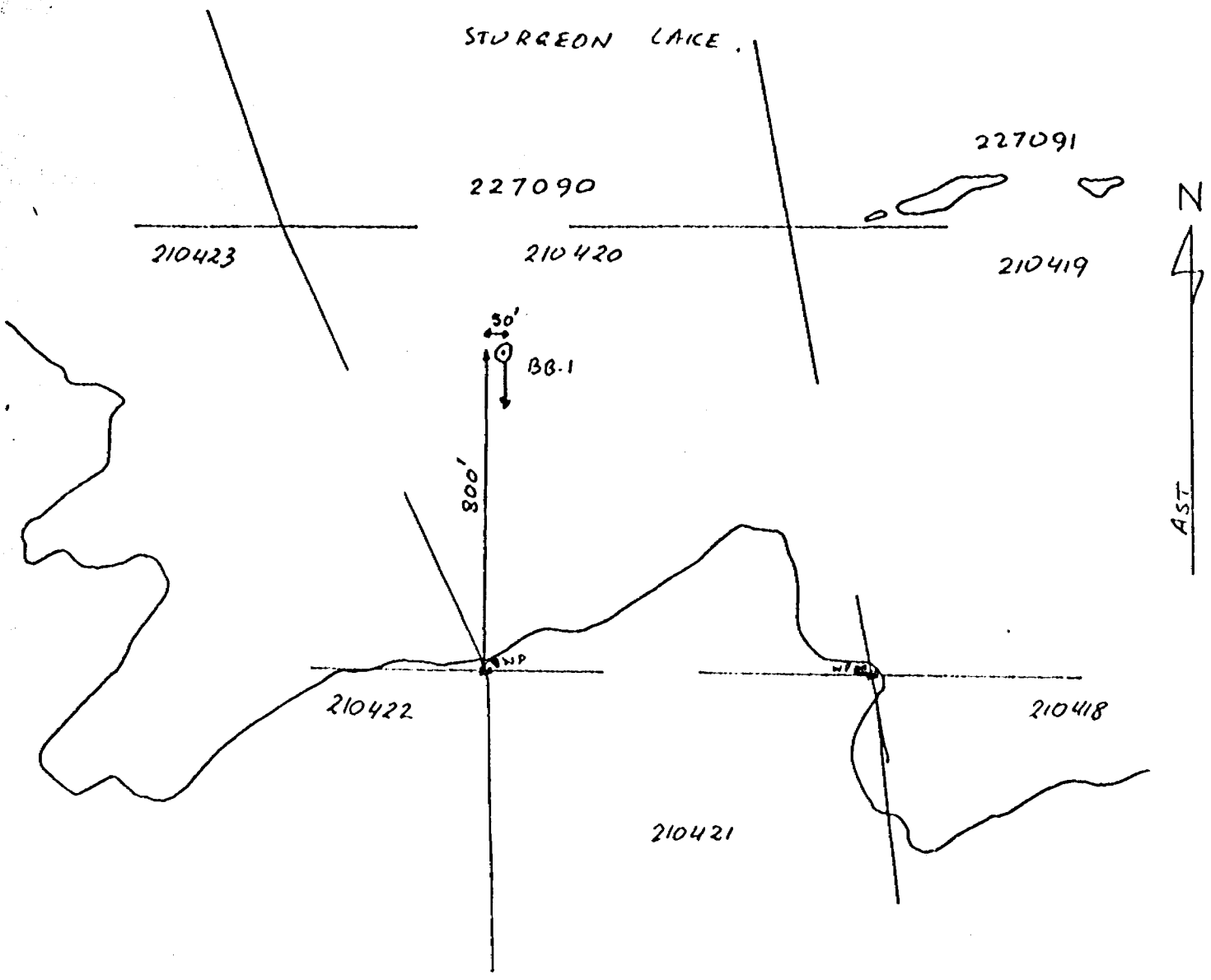
FOOTAGE		DESCRIPTION	CORE SAMPLES					
FROM	TO		NO.	FROM	TO	WIDTH		AVERAGES
166	169	Coarse grained granodiorite accessory pyrite.						
169	180	Fine grained andesite, a little shearing, no mineralization.						
180	188	Medium grained sheared granodiorite, .1 - .5% disseminated pyrite.						
188	209	Quartz feldspar xl tuff with odd cubes of pyrite.						
209	212	Quartz vein leading down to coarse grained granodiorite and clots of quartz and chlorite in vein.						
212	216.6	Sheared andesite (at 45°), no pyrite, grades into sheared granodiorite.						
216.6	218	Chlorite with sheared andesite.						
218	219	Coarse grained granodiorite, no pyrite.						
219	222	Sheared granodiorite.						
222	237	Coarse grained granodiorite with thin quartz stringers containing pyrite. Disseminated cubes of pyrite in coarse grained portion.						
237	248	Coarse grained granodiorite with .3 - .5% disseminated pyrite.						
248	250.6	Sheared (at 40°) granodiorite with little pyrite.						
250.6	257	Coarse grained granodiorite with disseminated pyrite. A 1/4" layer of massive pyrite in a chlorite vein at 60°.						
257	277	Mainly coarse grained granodiorite with a few pyrite cubes, several narrow fine grained sections and one sheared section at 270'.						
277	292	Coarse grained granodiorite with very little pyrite. Some chloritic and potassic alteration between 290' & 292'.						
292	297	Medium grained diorite with chlorite.						
297	300	Sheared quartz feldspar xl tuff, foliation at 45°.						



FOOTAGE		DESCRIPTION	CORE SAMPLES						
FROM	TO		NO.	FROM	TO	WIDTH			AVERAGES
300	318.6	granodiorite with Coarse grained to medium grained disseminated pyrite. .5 - 1% pyrite at 302'. 1/4" massive pyrite layer (50°) at 303.6'.							
318.6	338	Medium to coarse grained granodiorite with thin diorite sections. Medium grained parts are more mafic. .5 to 1% pyrite along fractures filled also with chlorite. Blebs of pyrite in diorite sections.							
338	353	Coarse grained granodiorite with .3 - .5% pyrite in fractures. in							
353	357	Chlorite rich layer, fine grained sheared granodiorite with quartz vein.							
357	360	Andesite layer with pyrite and quartz.							
360	363	Sheared medium grained diorite.							
363	367	Sheared medium grained andesite with irregular quartz stringers.							
367	379	Sheared granodiorite with .5 to 1.5% disseminated cubes of pyrites foliation at 45°.							
379	387	Sheared granodiorite with disseminated pyrite.							
387	395	Medium grained quartz feldspar xl tuff, very little pyrite.							
395	399	Medium grained chloritic sheared feldspar xl tuff.							
399	419.6	Partly foliated (45°) quartz feldspar xl tuff with stringers of pyrite and some pyrite dissemination.							
419.6	421	Coarse grained granodiorite.							
421	426.6	Medium grained sheared andesite, very little pyrite, quartz-chlorite vein at 426.6'.							
426.6	430.6	Coarse grained granodiorite with biotite and disseminated pyrite.							
430.6	439.6	Medium grained quartz feldspar xl tuff with disseminated pyrite.							

FOOTAGE		DESCRIPTION	CORE SAMPLES							
FROM	TO		NO.	FROM	TO	WIDTH	% Cu	% Zn	Oz Au	Oz Ag AVERAGES
439.6	441	Quartz feldspar xl tuff								
441	442	Medium grained andesite.								
442	461	Coarse grained granodiorite with disseminated cubes of pyrite.								
461	463	Medium grained andesite.								
463	467	Coarse grained granodiorite.								
467	474	Andesite and dacite showing little shearing.								
474	487	Coarse grained granodiorite.								
487	489	Andesite								
489	491	Granodiorite and quartz vein.								
491	493	Andesite								
493	498	Medium grained andesite.								
498	500	Fine grained andesite.								
500	502	Quartz vein with chlorite and pyrite.								
502	505	Andesite.								
505	508	Andesite and quartz feldspar/xl tuff with stringers of pyrite.	908	505	507.6	2.6	0.01	0.76	0.02	0.94
		End of hole								

PATRICIA  
 MINING DIV.  
**RECEIVED**  
 MAY - 1 1973  
 AM 7:29 10:11 12:34 PM



IMPERIAL OIL LIMITED  
 BEIDELMAN BAY, STURGEON LAKE AREA  
 ONTARIO  
 CONSOLIDATED MORRISON OPTION  
 LOCATION OF DIAMOND DRILL HOLE  
 DDH. BB-1

SCALE 1" = 400 FT  
 ───────────  
 400'

IMPERIAL OIL LIMITED - DIAMOND DRILL HOLE LOG

PROPERTY..... Consolidated Morrison Expl. Ltd. LOCATION..... Beidelman Bay, Sturgeon Lake, Ontario

NTS CODE..... 52 G..... HOLE NO..... BB 2.....

LATITUDE..... AZIMUTH..... 180..... PURPOSE..... I.P. Conductor

DEPARTURE..... DIP..... 60°..... STARTED..... MARCH 22, 1972

ELEVATION..... CORE..... Axt..... COMPLETED..... MARCH 25, 1972

SECTION..... Line 72W, 84S..... LOGGED BY..... Z. Hasan.....

REF. GRID..... West Grid.....

DIP TESTS

TEST	FOOTAGE			DIP		LATITUDE		DEPARTURE	
	FROM	TO	TOTAL		CORR.		CUM.		CUM.
Acid		200		58°					
		385		58°					

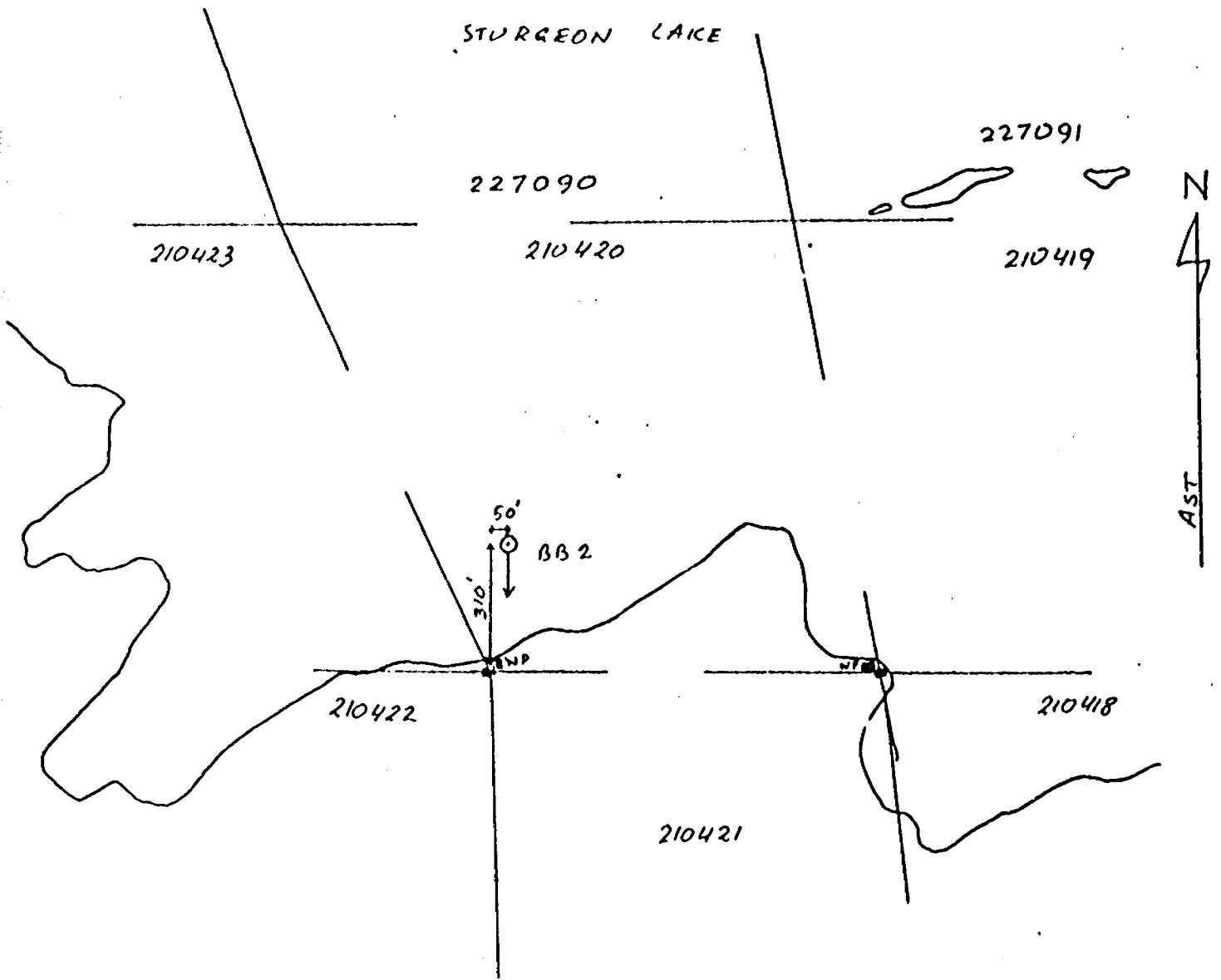
*Z. Hasan*  


FOOTAGE		DESCRIPTION	CORE SAMPLES						
FROM	TO		NO.	FROM	TO	WIDTH			AVERAGES
0	47	Casing - water							
47	99.6	Coarse to medium grained granodiorite, some py and chlorite in fractures at 51'; fractures with chlorite at 71'; quartz vein at 85'							
99.6	111	Sheared andesite, chloritized amphibole and feldspar (foliation 45°) specs of pyrite at 105.6'; 107' - 111' interlayered sheared andesite and quartz vein and sheared granodiorite							
111	116.6	Granodiorite							
116.6	120.6	Sheared andesite with feldspar stringers							
120.6	122.6	Granodiorite with accessory pyrite							
122.6	126.6	Sheared andesite with a quartz vein							
126.6	127	Mixture of granite and quartz-chlorite vein							
127	128	Lost core							
128	131	Coarse grained granite with stringers of pyrite at 129							
131	136.6	Sheared andesite with 1 ft. of quartz vein, some chlorite							
136.6	138	Coarse grained granite							
138	139	Lost core							
139	140	Quartz vein and andesite							
140	143	Sheared andesite, foliation at 45°							
143	161.6	Coarse grained granodiorite with accessory amount of pyrite cubes and specs of chalcopyrite							
161.6	162.6	Andesite							

FOOTAGE		DESCRIPTION	CORE SAMPLES							
FROM	TO		NO.	FROM	TO	WIDTH	% Cu	% Zn	Oz Au	Oz Ag AVERAGES
62.6	172	Coarse grained granodiorite with specs of pyrite. One stringer of pyrite at 159								
172	173	Granodiorite with stringers of pyrrhotite	909	172	173	1'	0.02	tr.	tr.	nil
173	187	Coarse grained granodiorite with minor pyrite and pyrrhotite								
187	226	Coarse grained granodiorite with stringers of pyrrhotite, pyrite and minor chalcopyrite at 192', 200' and 201'. 1/8" vein of pyrrhotite & py at 211, 215 and 220								
226	246	Coarse grained granodiorite with chalcopyrite, pyrrhotite and sphalerite stringers from 237' - 238'. Pyrite stringer at 244'.	910	237	238	1'	0.03	0.17	tr.	tr.
246	267	Coarse grained granodiorite - numerous minute fractures filled with chlorite. Quartz chlorite vein from 266'-267' Py, po and some cpy mineralization from 250.6'-251.6' 257.6'-258.6' Stringers of sulphides at 262' and 265.6'	911 912	250.6 257.6	251.6 258.6	1' 1'	0.01 0.02	tr. tr.	tr. tr.	nil nil
267	287	Fractured coarse grained granodiorite, some chloritic alteration in the bottom section. Sulphide stringers at 273.6', 275', 277.6' and at 282' - mainly po, py and minor cpy								
287	288	Sheared andesite								
288	296	Coarse grained granodiorite, one bleb of po and py between 291' and 292'								
296	301.6	About 2-4% po, py and minor cpy in fractures in granodiorite.								
301	307	Coarse grained granodiorite, pyrite stringers at 306'								
307	323	Coarse grained granodiorite containing a few fractures filled with chlorite, py and po at 313' and 317'								
323	339	Coarse grained granodiorite with fractures filled with chlorite, py, po and a little cpy. Sulphide stringers at 330', 331', 332' 337' and 338'	919 920	329.6 336	332.6 338	3' 2'	0.01 tr.	0.03 tr.	nil nil	nil nil

FOOTAGE		DESCRIPTION	CORE SAMPLES							
FROM	TO		NO.	FROM	TO	WIDTH	% Cu	% Zn	Oz Au	Oz Ag AVERAGES
339	349	Coarse grained granodiorite, po, cpy, py at 347								
349	351.6	Sheared quartz-feldspar xl tuff. 3% py at 351.6'								
351.6	377	Coarse grained granodiorite, quartz feldspar xl tuff at 355', py and po stringer at 366.6								
377	388	Quartz feldspar xl tuff, some po, cpy, py and sphalerite stringer at 387								
388	413	Sheared medium grained andesite - pyrite stringers (3") at 395 and about 8" thick at 397 narrow sections of quartz feldspar xl tuff mixed with andesite accesscry pyrite at 406. Foliation 45°.	921	395	395.3	3"	0.02	0.06	tr.	0.24
		End of hole.	922	397	397.6	6"	0.04	0.67	tr.	0.32

PATRICIA  
MINING DIV.  
**RECEIVED**  
MAY - 1 1970  
AM 7:00 11:00 12:00 1:00 2:00 3:00 4:00 PM



IMPERIAL OIL LIMITED  
 BEIDELMAN BAY, STURGEON LAKE AREA  
 ONTARIO  
 CONSOLIDATED MORRISON OPTION  
 LOCATION OF DIAMOND DRILL HOLE  
 DDH. BB - 2

SCALE 1" = 400 FT  
 400'



IMPERIAL OIL LIMITED - DIAMOND DRILL HOLE LOG

PROPERTY..... Cons. Morrison Exploration Ltd. LOCATION Beidelman Bay, Sturgeon Lake, Ontario  
 NTS CODE..... 52 G HOLE NO..... BB 3

LATITUDE..... AZIMUTH..... 180° PURPOSE..... I.P. Conductor  
 DEPARTURE..... DIP..... 60° STARTED..... March 27, 1972  
 ELEVATION..... CORE..... Axt COMPLETED..... April 4, 1972  
 SECTION..... L 72 W, 77 + 50 S LOGGED BY..... Z. Hasan  
 REF. GRID..... West

DIP TESTS

TEST	FOOTAGE			DIP		LATITUDE		DEPARTURE	
	FROM	TO	TOTAL		CORR.		CUM.		CUM.
Acid		200'		60°					
		400		59°					
		600		55°					
		800		55°					



FOOTAGE		DESCRIPTION	CORE SAMPLES							
FROM	TO		NO.	FROM	TO	WIDTH	% Cu	% Zn	Oz/T Au	Oz/T AVERAGES
0	120	Casing - 0-30' water; 30 to 120 overburden								
120	123	chloritized medium-grained andesite (foliation 60°)								
123	124.6	sheared quartz-feldspar xl tuff, foliation at 80°								
124.6	125.6	coarse-grained chloritized quartz-feldspar xl tuff 6% stringers of pyrite at 60°	913	124	125	1'	0.10	0.15	Tr	0.64
125.6	128	sheared coarse-grained andesite, foliation at 60°								
128	151	quartz-feldspar xl. tuff with blue quartz eyes, narrow sheared sections. 2-4% disseminated py. along cracks.	941	131.6	135	3.6'	tr	0.04	-	Nil
			929	138.6	140	1.6'	0.02	0.04	-	Tr
			942	148.6	150	1.6'	0.01	0.01	-	Nil
151	152	chloritized basic lava								
152	154	quartz feldspar xl. tuff with accessory py.								
154	155	chloritized quartz-feldspar xl. tuff with accessory py.								
155	165	coarse-grained quartz feldspar xl. tuff								
165	166	lost core								
166	171	andesite lava and tuff, narrow medium-grained sections								
171	174	sheared coarse-grained andesite, foliation at 60°-70°								
174	176	granodiorite								
176	180	quartz feldspar xl. tuff with quartz vein								
180	185	Disseminated cubes of pyrite (2-4%) and specs of cpy in quartz-feldspar xl. tuff	939	180	185	5'	0.01	0.01	-	Nil
185	198	quartz-feldspar xl. tuff with accessory py.	1	197'	199'	2'	tr.	0.02	tr.	tr.



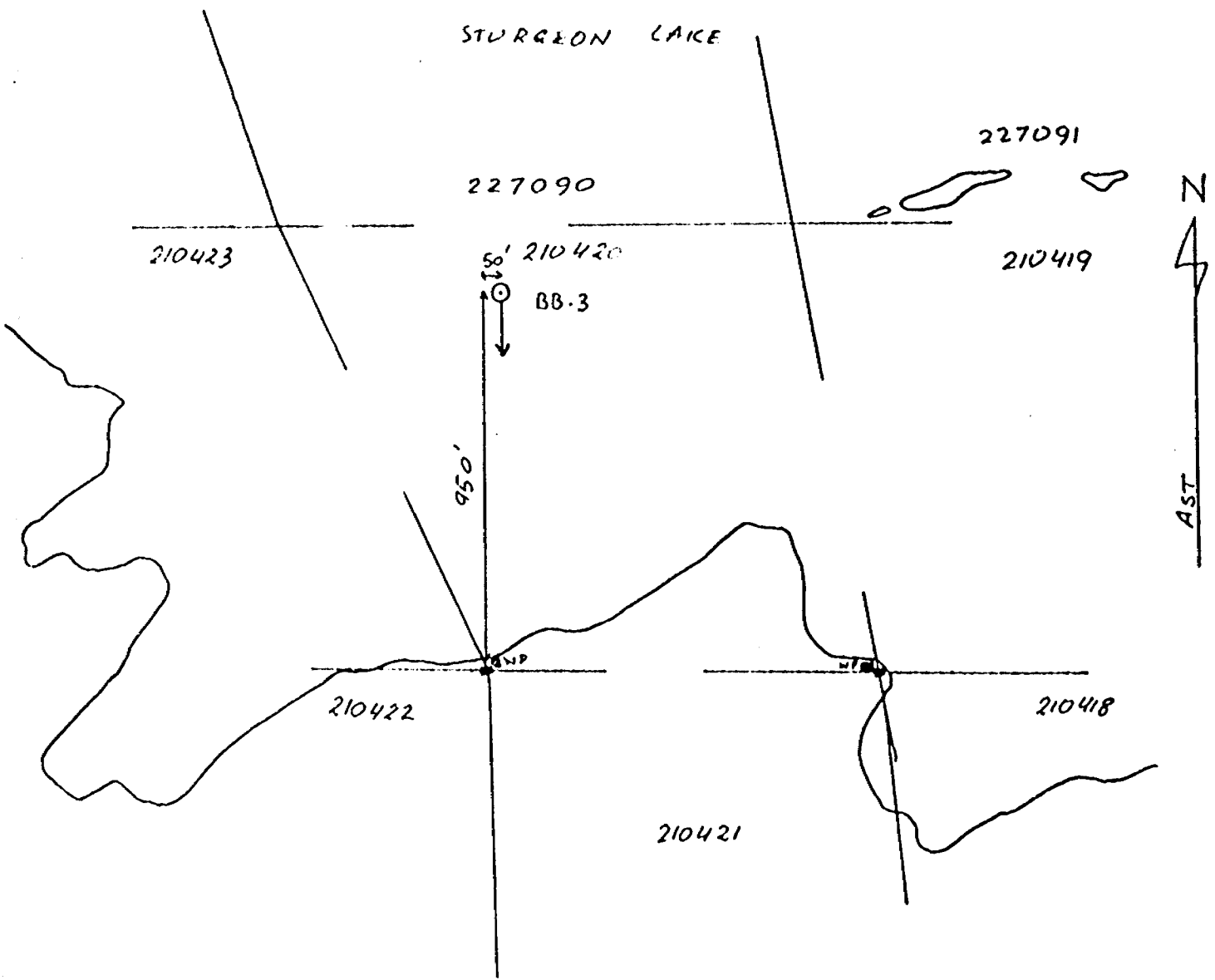
FOOTAGE		DESCRIPTION	CORE SAMPLES							
FROM	TO		NO.	FROM	TO	WIDTH	% Cu	% Zn	Oz/t	AVERAGES
327	331.6	medium-grained granodiorite, .5% pyrite cubes							Au	OZ/1 LB
331.6	353	medium-grained grey quartz-feldspar xl. tuff sheared from 331.6' to 348' at 45°, accessory cubes of pyrite								
353	359	coarse-grained granodiorite, minor pyrite along cracks.								
359	365	coarse-grained quartz-feldspar xl. tuff, pyrite stringers at 363.6' and 364'.								
365	380	mixture of chlorite with narrow layers and sheared quartz-feldspar xl. tuff, py stringers at 367	914	367	367.6	6"	Tr	0.10	Tr	Tr
380	398	coarse-grained granodiorite with narrow pyrite stringer at 381' and 383'. Quartz-chlorite vein at 391'.								
398	402	sheared quartz feldspar xl. tuff, 10% sulphide in a stringer at 399 - containing py, cpy and sphalerite over 2". Accessory py cubes at 202.	915	399	399.6	6"	0.14	3.98	Tr	1.06
402	407	sheared medium-grained granodiorite, foliation at 45° minor pyrite								
407	410	coarse-grained granodiorite - 2-4% disseminated pyrite	935	407	409	2'	0.01	0.02	-	Nil
410	428	coarse-grained granodiorite, narrow sections of quartz-feldspar xl. tuff - 1" mineralized vein containing cpy sph & py at 414'. Quartz-chlorite - pyrite vein at 418 to 418.6	916	414	414.6	6"	0.01	0.70	Tr	Tr
428	440	medium to coarse-grained quartz-feldspar xl. tuff, narrow mafic sections rich in chlorite and sulphide 2% pyrite 435' - 437' 40% py, cp, sph 437' - 440'	946 917	435 437	437 440	2' 3'	0.03 0.02	0.02 3.20	- tr	Nil 0.38
440	442	chlorite rich zone, lost 1' of core. Does not look to contain any mineralization in the part recovered.								
442	454	coarse-grained quartz-feldspar xl. tuff and granodiorite disseminated 2% pyrite between 443.6' and 446' - Quartz vein at from 446'-447', disseminated py to 459'	945 937 943	443 445 450	445 450 454	2' 5' 4'	0.01 0.01 0.01	0.01 0.03 0.03	- - -	Nil Nil Nil



FOOTAGE		DESCRIPTION	CORE SAMPLES							
FROM	TO		NO.	FROM	TO	WIDTH	% Cu	% Zn	Oz/t	AVERAGES
571	580.6	coarse-grained granodiorite with narrow quartz veins containing chlorite and ½" cubes of pyrite total pyrite content 1-2% in veins 50-60%								
580.6	584	mixture of quartz vein, chlorite and andesite, foliation at 80°								
584	592.6	coarse-grained granodiorite, quartz rich .5% py.								
592.6	614	andesite with 1% py, small amount of coarse -grained granodiorite in layers - foliation at 70-80°. Chloritization and epidotization present.								
614	628	coarse-grained granodiorite, fractures filled with chlorite and .5 - 2% pyrite as large cubes								
628	629	quartz-chlorite vein								
629	633	coarse-grained quartz feldspar xl. tuff ) 1-2% disseminated								
		) pyrite								
633	640	coarse-grained granodiorite )								
640	655	fine-grained partly sheared chlorite rich quartz-feldspar xl. tuff 2-3% finely disseminated pyrite								
655	662	feldspar rich pink coloured xl. tuff disseminated 2-3% pyrite								
662	668	green mafic rich xl. tuff, 2-3% pyrite								
668	696	alternate light and dark coloured xl. tuff 1-2% disseminated py Stringers of py & sphalerite at 694; foliation 50-80°	918	694	694.3	3"	Tr	0.19	Tr	Tr
696	713	sheared quartz-feldspar xl. tuff (30°), 2-3% disseminated pyrite								
713	715	8-10% py, sphalerite, po and cpy in sheared chloritized xl tuff	933	713	715	2'	0.03	0.23	-	0.22
715	717	8% py, po, some cpy in sheared xl. tuff	932	715	717	2'	0.02	0.11	-	N11

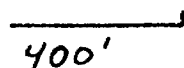
FOOTAGE		DESCRIPTION	CORE SAMPLES							
FROM	TO		NO.	FROM	TO	WIDTH	% Cu	% Zn	Oz/T	AVERAGES
717	719.6	3-4% disseminated py in sheared xl. tuff								
719.6	727	coarse-grained quartz eye xl. tuff, very little py								
727	739	fine-grained sheared diorite - 2-3% py in stringers								
739	751	coarse-grained xl. tuff with 5% pyrite								
751	755	fine-grained sheared xl. tuff, foliation at 30°								
755	763	coarse-grained xl. tuff with 2-3% disseminated cubes of py								
763	798	coarse-grained granodiorite, a few fractures filled with chlorite, narrow sections of xl. tuff, accessory cubes of pyrite								
798	804	coarse-grained xl. tuff - accessory pyrite								
804	811	coarse-grained granodiorite - accessory pyrite 2-3% disseminated pyrite between 808' and 811'								
811	816	mixture of fine-grained granodiorite (sheared) and quartz vein, foliation at 50°, 3-4% disseminated pyrite								
816	824	coarse-grained granodiorite, py stringers with chlorite at 817' and 821'.								
824	827	coarse-grained xl. tuff with 3% pyrite cubes								
827	834	coarse-grained granodiorite with minor pyrite								
834	845	fine-grained mafic sheared xl. tuff, 2-3% disseminated pyrite as accessory, foliation at 70-80°								
		End of hole								

PATRICIA  
MINING DIV.  
**RECEIVED**  
MAY - 1 1973  
AM 7 8,9,10,11,12,13,14 PM 1-4



IMPERIAL OIL LIMITED  
 BEIDELMAN BAY, STURGEON LAKE AREA  
 ONTARIO  
 CONSOLIDATED MORRISON OPTION  
 LOCATION OF DIAMOND DRILL HOLE  
 DDH. BB.3

SCALE 1" = 400 FT





IMPERIAL OIL LIMITED - DIAMOND DRILL HOLE LOG

PROPERTY..Consolidated Morrison Expl. Ltd.LOCATION..Beidelman Bay..Sturgeon.....

NTS CODE.....52 G..... HOLE NO.....BB-4.....

LATITUDE..... AZIMUTH .....180..... PURPOSE I.P. Conductor..

DEPARTURE..... DIP .....60°..... STARTED April 8, 1972..

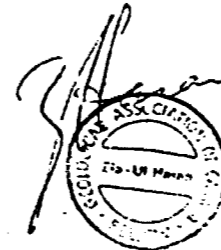
ELEVATION..... CORE .....Axt..... COMPLETED April 13, 1972

SECTION ..Line 72W, 51S..... LOGGED BY Z. Hasan.....

REF. GRID ..West Grid.....

DIP TESTS

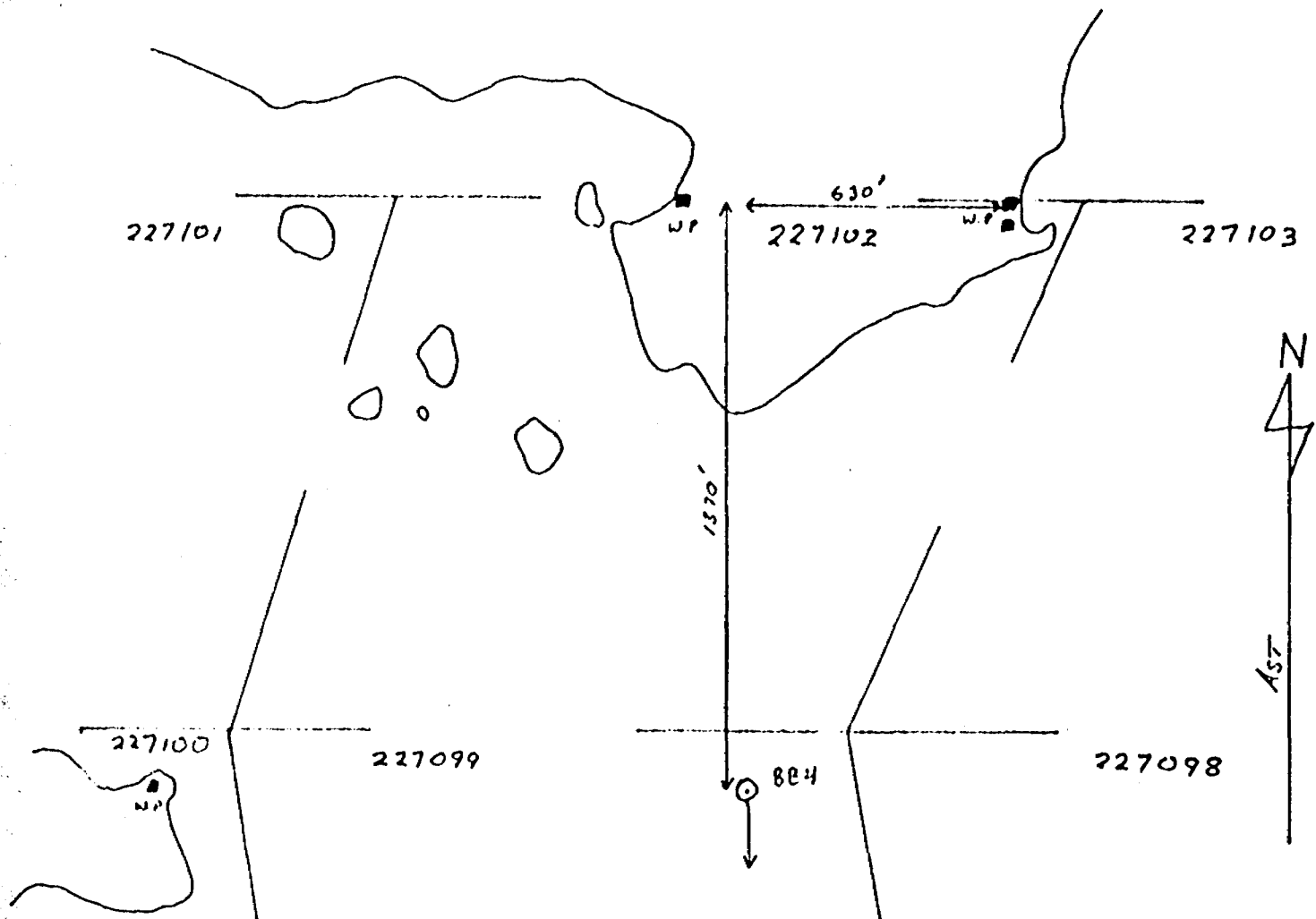
TEST	FOOTAGE			DIP		LATITUDE		DEPARTURE	
	FROM	TO	TOTAL		CORR.		CUM.		CUM.
Acid		200		60					
		400		55°					



FOOTAGE		DESCRIPTION	CORE SAMPLES						
FROM	TO		NO.	FROM	TO	WIDTH			AVERAGES
0	108	0-20' water, 20'-108' overburden							
108	109	quartz vein							
109	110	quartz vein and dacite lava							
110	112	lost core							
112	130	dacite lava and tuff, foliation at 20-45°							
130	191	rhyodacite to andesite crystal tuff, narrow sheared sections; foliation at 30°-45°, lost core 177 to 178' 179.6 to 181'							
191	199	medium-grained porphyritic dacite. Subhedral xls of feldspar in fine-grained matrix; disseminated cubes of <u>py</u> and minor <u>cpy</u> at 192-193'							
199	206	sheared dacite xl tuff, foliation at 70 to 80°							
206	230	fine-grained rhyodacite tuff and lava, foliation at 80-90°							
230	260	Dacite to rhyodacite xl tuff, narrow sections are sheared, thin layers of fine-grained tuff and medium-grained dacite lava, minor accessory pyrite. Foliation 60-90°. Feldspar variation at 248-249'.							
260	286.6	rhyolite and rhyodacite xl tuff and fine-grained tuff, foliation at 50°-80°, narrow rhyolite tuff sections of 6" thickness lost core 262-265'							
286.6	304	dacite tuff and medium-grained lava showing flow structure, narrow sheared section, foliation at 50-80°. Lost 6" core between 303' & 304'							
304	317.6	medium-grained dacite lava lost 1' of core between 316' & 317.6'							

FOOTAGE		DESCRIPTION	CORE SAMPLES							
FROM	TO		NO.	FROM	TO	WIDTH	% Cu	% Ni	% Zn	Oz/T Ag AVERAGES
317.6	338	mixture of dacite xl tuff, fine-grained tuff and medium-grained dacite flow, foliation at 60°-80°								
338	348	medium-grained dacite lava								
348	362	medium-grained porphyritic dacite lava with feldspar phenocrysts and some fragments								
362	375	fine-grained dacite lava								
375	376	lost core								
376	380	porphyritic andesite and fragmentals								
380	389	rhyodacite xl tuff, foliation at 30°, mafic xls abundant, po, and cpy stringers along cracks at 386 and 388'								
389	399	rhyolite xl tuff and fine-grained tuff with mafic xls, stringers containing cpy & po at 390.6	948	387.6	392.6	5'	0.04	0.02	tr.	nil
399	411	rhyolite xl tuff containing feldspar xl fragments minor cpy, py and po from 406' to 409'	949	406.6	409	2.6'	0.02	tr.	0.01	nil
411	449	fine-grained rhyolite flow and some xl tuff, foliation at 30° to 90°, chloritization								
449	454	coarse-grained rhyolite xl tuff, fragments replaced by po & py, sulphides also occur along fractures, minor cpy, profuse chloritization								
454	472	xl tuff showing heavy chloritization, cpy & po at 470'								
472	505	xl tuff, siliceous fragmentals and rhyolite lava, chloritization, minor dissemination of pyrrhotite pyrite, foliation at 30°. cpy, po and py disseminated from 491.6' to 494'. end of hole	950	491.6	494.6	3'	0.03	0.01	tr.	nil

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 PATRICIA  
 MINING DIV.  
 AM 7:29 04/12/68 PM 12:34

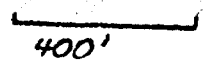


STURGEON LAKE

IMPERIAL OIL LIMITED  
 BEIDELMAN BAY, STURGEON LAKE AREA, ONTARIO  
 CONSOLIDATED MORRISON OPTION

LOCATION OF DIAMOND DRILL HOLE  
 DDH. BB-4

SCALE: 1" = 400 FT

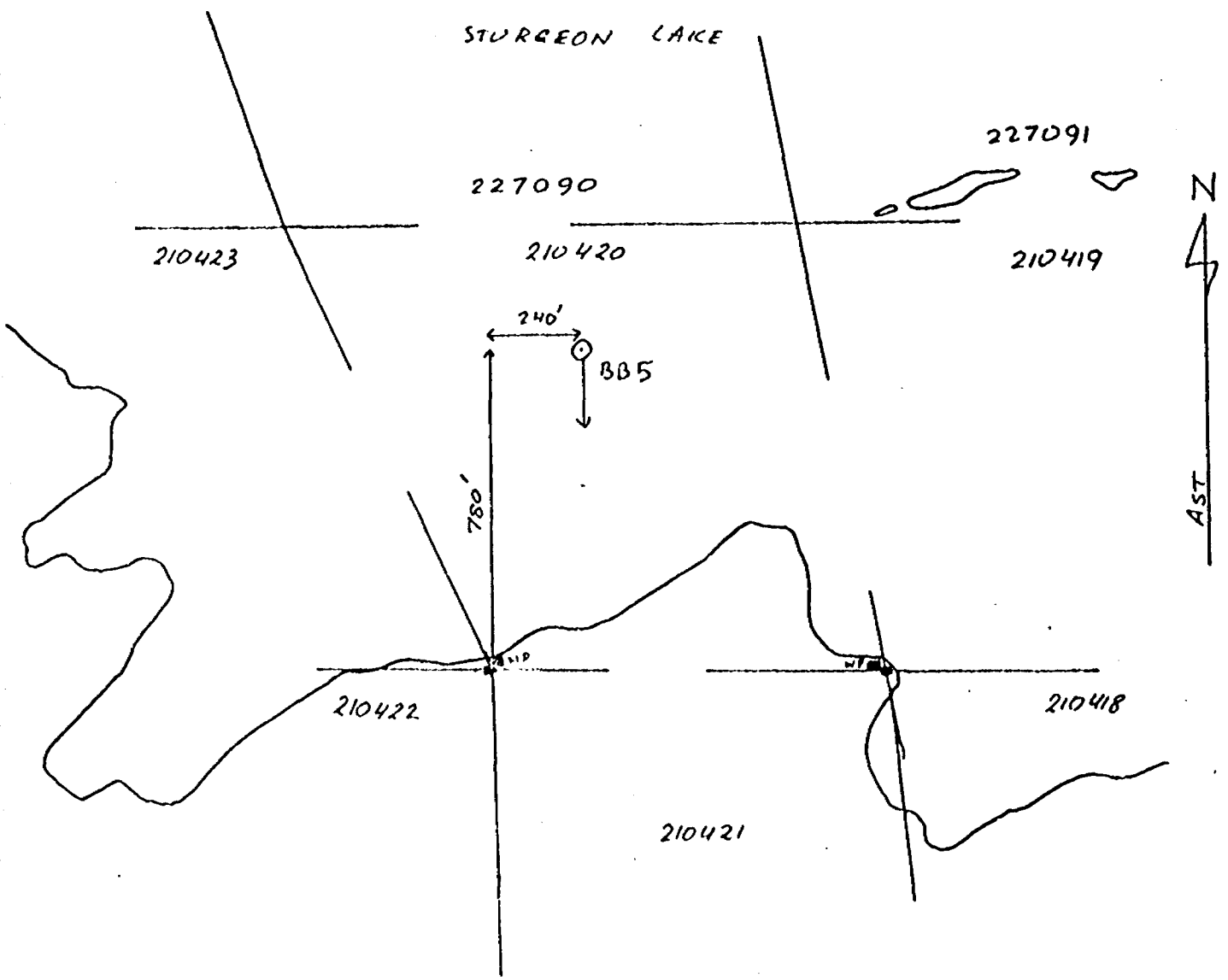




FOOTAGE		DESCRIPTION	CORE SAMPLES						
FROM	TO		NO.	FROM	TO	WIDTH			AVERAGES
0	59	overburden 0-20 water							
59	69	coarse-grained granodiorite partly chloritized, pyrite cubes along fractures filled with chlorite, foliation at 15°							
69	73	medium-grained andesite, foliation at 30°							
73	75	chloritized granodiorite with accessory cubes of pyrite							
75	78	mixture of andesite, xl tuff and granodiorite							
78	86	medium-grained andesite, fractures filled with pyrite at 84'							
86	89	coarse-grained granodiorite							
89	93	andesite, foliation at 60°, pyrite stringer at 89' (contact with granodiorite)							
93	97	coarse-grained granodiorite							
97	98	lost core							
98	120	rhyolite-rhyodacite xl tuff and lava, pyrrhotite and chalcopyrite stringer at 100' and cpy and pyrite at 108'							
120	149	coarse-grained rhyolite xl tuff and fragmentals, several pyrite stringers and occasional specs of cpy, sericitization and chloritization							
149	160	medium-grained rhyolite and partly xl tuff, foliation at 30°							
160	166	coarse-grained rhyodacite to andesite, foliation at 30°							
166	170	coarse-grained granodiorite							
170	180	fine to medium-grained andesite to rhyodacite							
180	194	coarse-grained xl tuff and fragmentals mixed with granodiorite, pyrite stringers at 190.6' and 193'							

FOOTAGE		DESCRIPTION	CORE SAMPLES					
FROM	TO		NO.	FROM	TO	WIDTH		AVERAGES
194	200	fine to medium-grained rhyolite and xl tuff						
200	219	coarse-grained xl tuff and fragmentals, sericitized and chloritized						
219	221	coarse-grained andesite						
221	256	quartz feldspar xl tuff, very coarse-grained fragmentals, blue quartz eyes						
256	259.6	fine-grained rhyolitic tuff and lava						
259.6	324	coarse-grained xl tuff and fragmentals, specs of pyrite, sericitized						
324	336	interbanded xl tuff and andesite, disseminated pyrite cubes and occasional specs of cpy						
336	340	rhyolite xl tuff						
340	342	andesite lava, 5% disseminated cubes of py, foliation at 30°						
342	355	sheared rhyolite xl tuff, stringers of py at 350 to 352						
355	405	medium-grained granodiorite, pyrite stringers along fractures filled with chlorite, also 5 to 6% disseminated pyrite through the rock						
		end of hole						

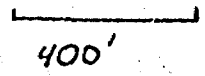
PATRICIA  
 MINING DIV.  
**RECEIVED**  
 MAY - 1 1973  
 AM 7:29-10:11, 12:13-4:58 PM



IMPERIAL OIL LIMITED  
 BEIDELMAN BAY, STURGEON LAKE AREA  
 ONTARIO  
 CONSOLIDATED MORRISON OPTION  
 LOCATION OF DIAMOND DRILL HOLE

DDH. BB5

SCALE 1" = 400 FT





IMPERIAL OIL LIMITED - DIAMOND DRILL HOLE LOG

PROPERTY Beidelman Bay LOCATION Sturgeon Lake, Ontario

NTS CODE 52 G HOLE NO. BB 6

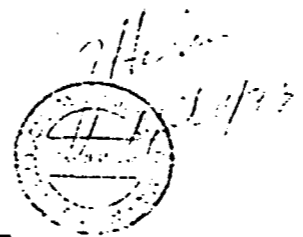
LATITUDE ..... AZIMUTH North PURPOSE I.P. conductor

DEPARTURE ..... DIP 60° STARTED March 3, 1973

ELEVATION ..... CORE AW COMPLETED March 6, 1973

SECTION Line 72 West LOGGED BY Z. Hasan

REF. GRID 82 + 80 South



DIP TESTS

TEST	FOOTAGE			DIP		LATITUDE		DEPARTURE	
	FROM	TO	TOTAL		CORR.		CUM.		CUM.
		200'		56°					
		400'		47°					

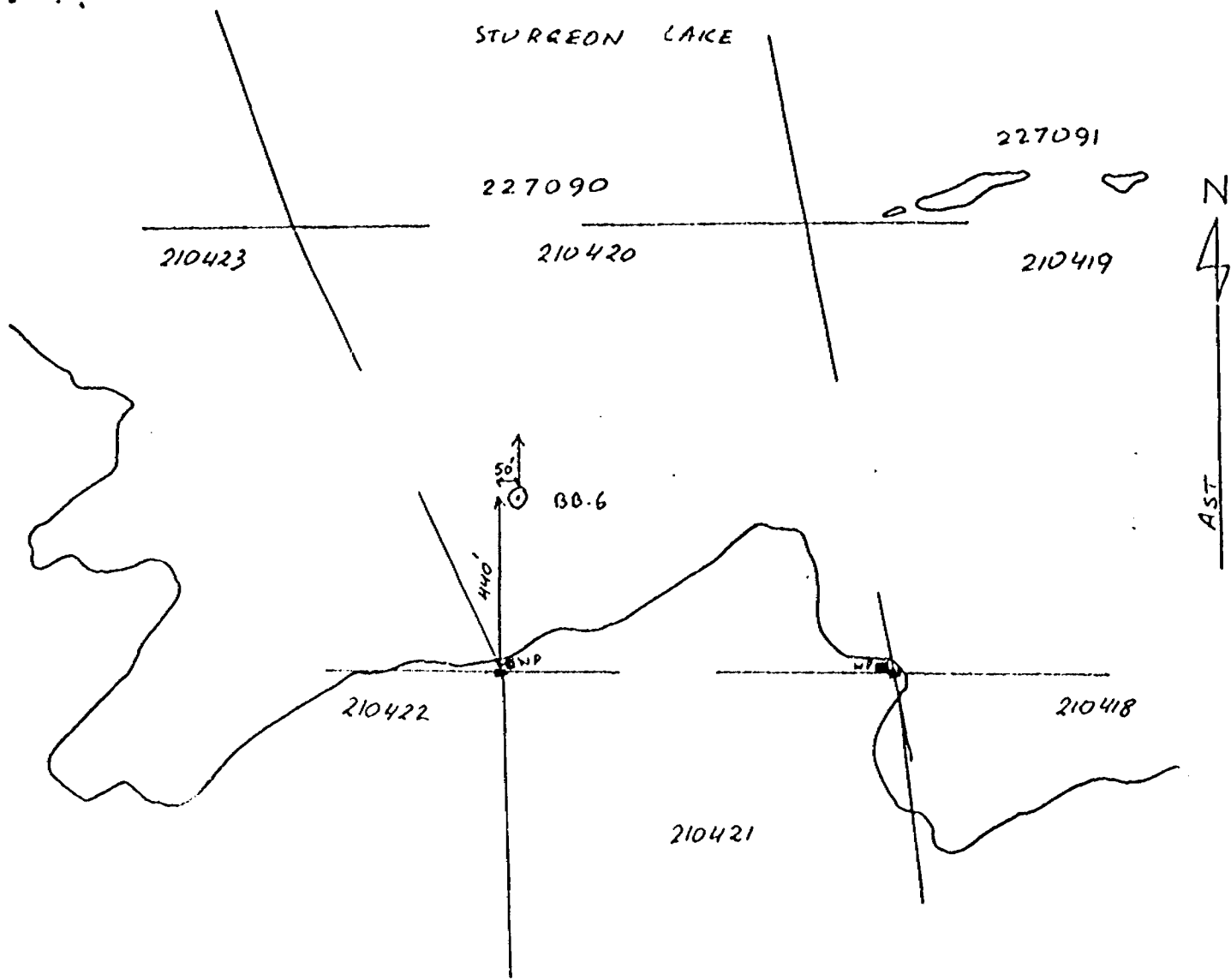
PATRICIA MINING DIV.  
**RECEIVED**  
 MAR 10 1973  
 AM 7:18.10.11.12.13.14.15 PM



CUTAGE		DESCRIPTION	CORE SAMPLES							
FROM	TO		NO.	FROM	TO	WIDTH	% Cu	% Zn	oz/ton Au	oz/ton Ag AVERAGES
255	260	fine-grained chlorite rock (andesite)								
260	304	quartz-feldspar porphyry 6" chlorite and <u>pyrite</u> zone at 270' disseminated <u>pyrite</u> xls throughout								
304	309	green chlorite zone with minor <u>pyrite</u> , foliation at 30°								
309	312.5	feldspar rich quartz-feldspar porphyry								
2.5	315	chloritized quartz feldspar porphyry with stringers and disseminated <u>pyrite</u> about 3-5%	2	312.5'	315'	2.5'	tr.	0.36	tr.	tr.
315	324	mixture of quartz-feldspar porphyry and granodiorite, disseminated <u>pyrite</u>								
324	327	chlorite and feldspar veins								
327	342	mixture of granodiorite and quartz-feldspar porphyry. 1% disseminated <u>pyrite</u> . Chlorite zone at 242'. Foliation at 50°.								
342	374	Quartz-feldspar porphyry, chloritized in narrow sections 350'-355' - two 6" stringers of <u>pyrite</u> and <u>sphalerite</u> , about 70% sulphides in stringers	3	350'	355'	5'	0.01	0.09	nil	tr.
374	382	Quartz-feldspar porphyry								
382	385	Quartz-feldspar with 1/2" stringer of <u>pyrite</u> and <u>sphalerite</u> at 282.5	4	382'	384'	2'	tr.	0.74	tr.	tr.
385	392	granodiorite								
392	403	chloritized fine grained porphyry. 3" zone of <u>pyrite</u> and <u>sphalerite</u> at 401	5	400'	403'	3'	0.01	1.16	tr.	0.78
403	406	granodiorite								
406	442	chloritized quartz-feldspar porphyry - thin fracture filling of <u>sphalerite</u> at two 419' and 442' disseminated <u>pyrite</u> all through. 2-3% <u>pyrite</u> from 428-435	6	430'	433'	3'	tr.	0.14	tr.	tr.

FOOTAGE		DESCRIPTION	CORE SAMPLES							
FROM	TO		NO.	FROM	TO	WIDTH	% Cu	% Zn	Oz/ton Au	Oz/ton AVERAGES Ag
442	480	mixture of granodiorite and quartz-feldspar porphyry. 1-2% <u>pyrite</u> in narrow chlorite zones. 478'-480' - disseminated <u>pyrite</u> .								
480	487	quartz feldspar porphyry, foliation at 30°, <u>pyrite</u> stringer at 481', disseminated <u>pyrite</u>	7	480'	485'	5'	tr.	0.06	0.01	tr.
487	489	contorted and sheared feldspar porphyry								
489	491	chlorite zone with minor <u>pyrite</u> and <u>sphalerite</u>	8	489'	491'	2'	0.04	0.16	tr.	0.50
491	494	quartz-feldspar porphyry, foliation at 30°								
494	511	fine-grained dark chlorite rock (andesite). Partly massive, minor disseminated <u>pyrite</u> .								
		End of hole.								

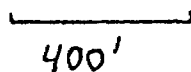
36



IMPERIAL OIL LIMITED  
 BEIDELMAN BAY, STURGEON LAKE AREA  
 ONTARIO  
 CONSOLIDATED MORRISON OPTION  
 LOCATION OF DIAMOND DRILL HOLE

DDH. BB-6

SCALE 1" = 400 FT



IMPERIAL OIL LIMITED - DIAMOND DRILL HOLE LOG

PROPERTY Beidelman Bay ..... LOCATION Sturgeon Lake Ontario .....  
 NTS CODE 52 C ..... HOLE NO. BB-7 .....

LATITUDE ..... AZIMUTH North ..... PURPOSE I.P. conductor  
 DEPARTURE ..... DIP 60° ..... STARTED March 9, 1973  
 ELEVATION ..... CORE AW ..... COMPLETED March 13, 1973  
 SECTION Line 68W ..... LOGGED BY Z. Hasan  
 REF. GRID 83 + 30 south .....



DIP TESTS

TEST	FOOTAGE			DIP		LATITUDE		DEPARTURE	
	FROM	TO	TOTAL		CORR.		CUM.		CUM.
		200		54°					
		400		43°					
		580		26°					

**RECEIVED**  
 PATRICIA MINING DIV.  
 MAR 13 1973  
 AM 7:29 041 19 123458 PM

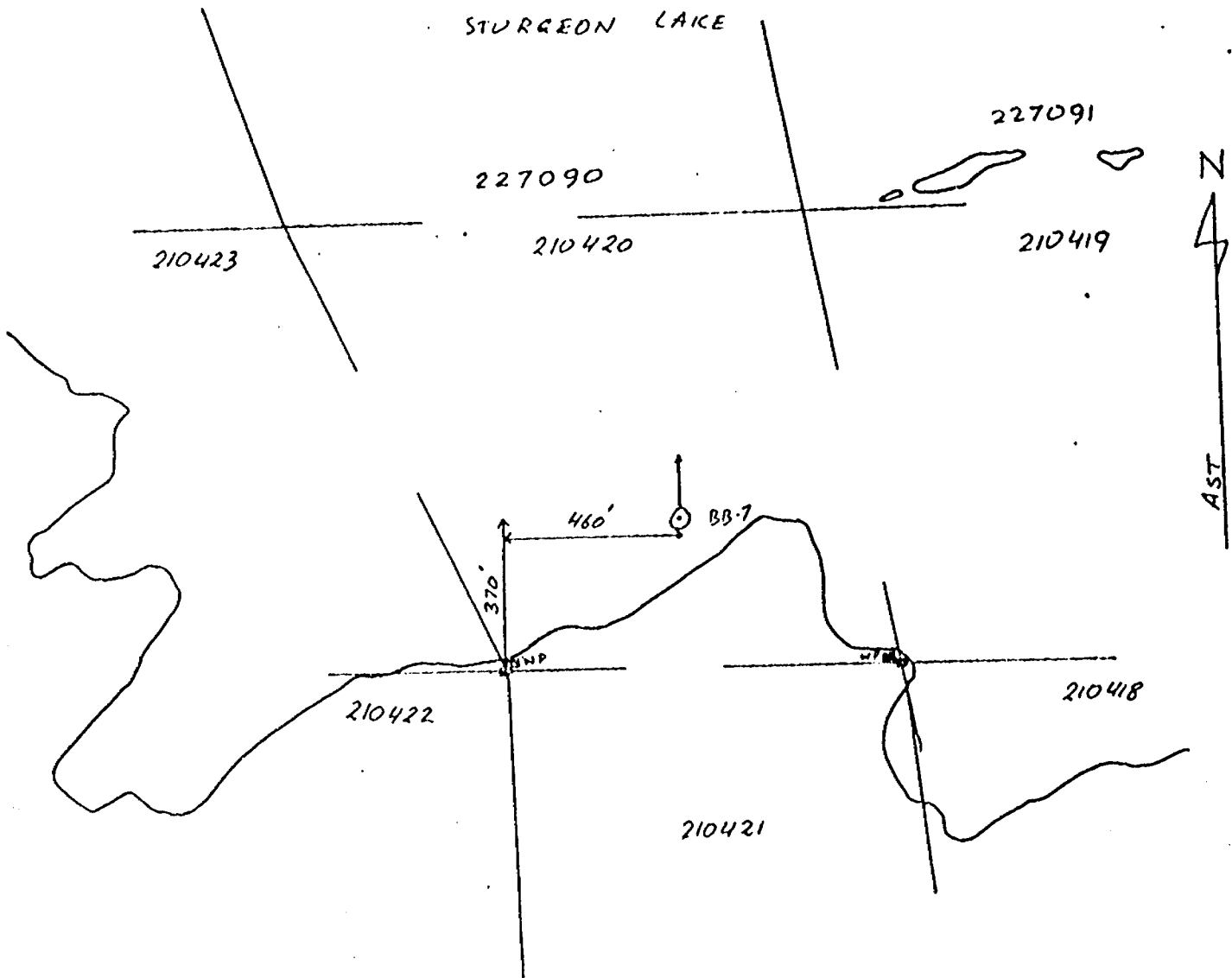
FOOTAGE		DESCRIPTION	CORE SAMPLES							
FROM	TO		NO.	FROM	TO	WIDTH	% Cu	% Zn	Oz/ton Au	Oz/ton AVERAGES
0	103	Overburden - water to 20' and sediments								
103	134	Chloritized dacite tuff, foliation at 30°								
134	184	Rhyolite and quartz - feldspar porphyry 133-136 fault zone								
184	187	Sheared quartz feldspar porphyry								
187	256	Quartz feldspar porphyry Shearing at 229'								
256	258	Granodiorite								
258	259	Chlorite and carbonate vein								
259	268	Hybrid rock - granodiorite and rhyolite. Foliation at 30°								
268	269	Quartz chlorite vein with <u>sphalerite</u> , <u>chalcopyrite</u> and slight <u>pyrite</u>	1	268'	269'	1'	0.03	0.44	Tr	0.22
269	308	Granodiorite 293-294 rhyolite								
308	313	Hybrid rock 311-312 5% <u>pyrite</u> 313 5% <u>pyrite</u> over 6"								
313	316	Sheared tuff								
316	338	Granodiorite								
338	358	Granodiorite 338-341.5' quartz chlorite vein, minor <u>pyrite</u> & <u>sphalerite</u>	2	338'	341.5	3.5	Tr	0.21	Tr	Tr
358	367	Hybrid rock 360.7' <u>Sp py - sph.</u> stringer 360-366 5% disseminated <u>pyrite</u> 362 <u>py-sph</u> stringer								

211

FOOTAGE		DESCRIPTION	CORE SAMPLES							
FROM	TO		NO.	FROM	TO	WGT lb	% Cu	% Zn	Oz/ton Au	Oz/ton Ag AVERAGES
367	389	Granodiorite 378-380								
		foliation parallel to core, 5% pyrite and traces of pyrrhotite related to fractures running parallel to core axis								
389	391	Biotite bearing tuff								
391	398	Hybrid rock								
398	421	Granodiorite								
421	425	Chlorite rich zone with minor pyrite								
425	435	granodiorite								
435	438.3	Basic tuff								
438.3	510	Dominantly hybrid acid tuff with minor <u>pyrrhotite</u> , <u>cpy</u> and <u>py</u>								
		462-466 granodiorite								
		468-477 granodiorite								
		468-478 10' of disseminated <u>pyrrhotite</u>	3	468	478	10	Tr	Tr	Tr	Nil
		487.5 ½" <u>sphalerite</u> veinlet								
		493 6" <u>sph</u> & <u>py</u> veinlet								
510	514	Chloritized tuff, minor <u>py</u> & <u>sph</u> stringer	4	510	514	4	0.01	0.34	Tr	Tr
514	584	Hybrid rhyolite, 5% disseminated <u>pyrite</u> ; foliation at 45°	5	514	519	5	Tr	0.02	Tr	Nil
		547-559 chloritized section with <u>5% py</u>	6	519	529	10	Tr	0.14	Tr	Tr
			7	547	559	12	0.01	0.05	Tr	Tr
584	585	Granodiorite								
		End of hole								

JH

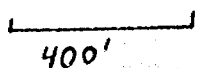




IMPERIAL OIL LIMITED  
 BEIDELMAN BAY, STURGEON LAKE AREA  
 ONTARIO  
 CONSOLIDATED MORRISON OPTION  
 LOCATION OF DIAMOND DRILL HOLE

DDH. BB-7

SCALE 1" = 400 FT



IMPERIAL OIL LIMITED - DIAMOND DRILL HOLE LOG

PROPERTY Beidelman Bay . . . . . LOCATION Sturgeon Lake, Ontario . . . . .  
 NTS CODE 52G . . . . . HOLE NO. BB 8 . . . . .

LATITUDE . . . . . AZIMUTH North . . . . . PURPOSE I.P. Conductor  
 DEPARTURE . . . . . DIP 60° . . . . . STARTED March 15, 1973  
 ELEVATION . . . . . CORE AW . . . . . COMPLETED March 19, 1973  
 SECTION Line 66 W . . . . . LOGGED BY Z. Hasan  
 REF. GRID 83 + 30 South . . . . .

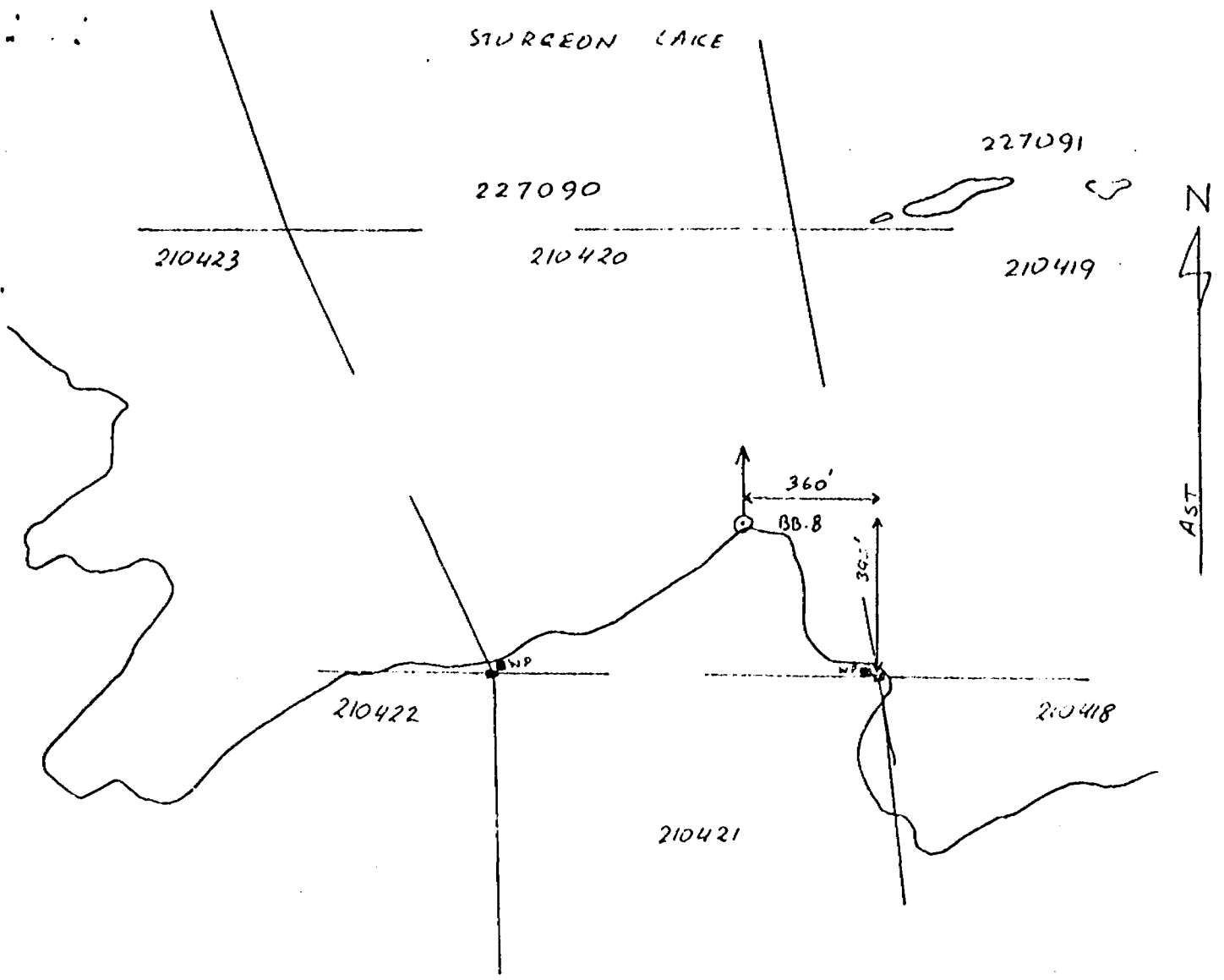
DIP TESTS

TEST	FOOTAGE			DIP		LATITUDE		DEPARTURE	
	FROM	TO	TOTAL		CORR.		CUM.		CUM.
		200'		56°					
		400'		52°					
		600'		49°					

PAIRICAL  
 MINING DIV.  
 AM 7:25 10/11/1973  
 P. 1

FOOTAGE		DESCRIPTION	CORE SAMPLES							
FROM	TO		NO.	FROM	TO	WIDTH	% Cu	% Zn	Oz/ton Au	Oz/ton AVERAGES Au
0	102	Overburden - water to 20' and sediments								
102	112	Sheared granodiorite, partially altered								
112	150	Chloritized hybrid tuff and rhyolite 124'-127' - chloritized with traces of <u>sphalerite</u> and <u>pyrite</u>	1	124'	127'	3'	0.03	0.14	nil	tr.
150	175	Granodiorite with potassic alteration								
175	233	Hybrid rock - containing 2-3% <u>pyrite</u> , foliation at 30°-40° 212' to 214' inclusion of fine-grained tuff partly replaced with magnetite								
233	237	felsite dike								
237	341	hybrid rock with 3% <u>pyrite</u> 240' - magnetite rich zone								
341	390	rhyolite, foliation at 30°-40°								
390	396.5	bird's eye tuff. Biotite rich crystal tuff								
396.5	446	rhyolite								
446	535	tuff, foliation at 30° 465'-475' - foliation at 10° 480-520' - parallel to core axis 527'-534' - chloritized section								
535	538	hybrid rock								
538	560	rhyolite with 3% <u>disseminated pyrite</u>								
560	565	brecciated and vein tuff								
565	611	hybrid rock - rhyolite and granodiorite								
611	615	rhyolite tuff								
615	636	hybrid rhyolite and chloritized tuff								
		End of hole								

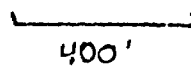
34



IMPERIAL OIL LIMITED  
 BEIDELMAN BAY, STURGEON LAKE AREA  
 ONTARIO  
 CONSOLIDATED MORRISON OPTION

LOCATION OF DIAMOND DRILL HOLE  
 DDH. BB-8

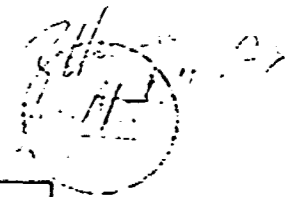
SCALE 1" = 400 FT



IMPERIAL OIL LIMITED - DIAMOND DRILL HOLE LOG

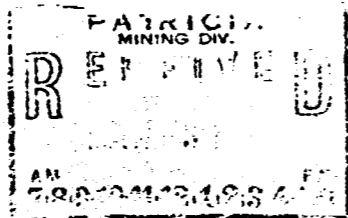
PROPERTY Beidelman Bay LOCATION Sturgeon Lake, Ontario  
 NTS CODE 52 K HOLE NO. BB 9

LATITUDE ..... AZIMUTH North PURPOSE Turan conductor  
 DEPARTURE ..... DIP 60° STARTED March 22, 1973  
 ELEVATION ..... CORE AW COMPLETED March 26, 1973  
 SECTION Line 42 W, 82 South LOGGED BY Z. Hasan  
 REF. GRID .....



DIP TESTS

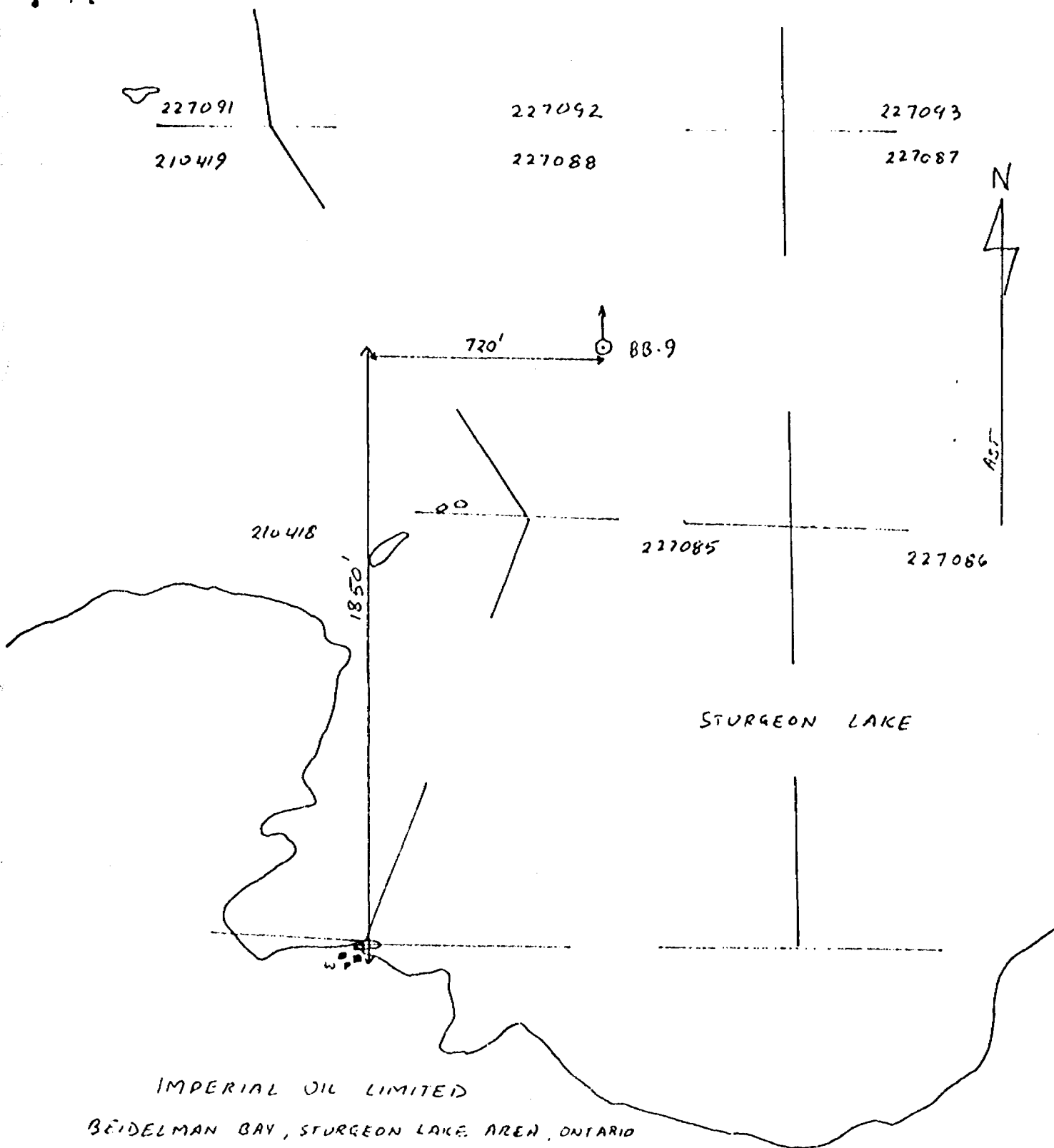
TEST	FOOTAGE			DIP		LATITUDE		DEPARTURE	
	FROM	TO	TOTAL		CORR.		CUM.		CUM.
		200		59°					
		400		55°					



A



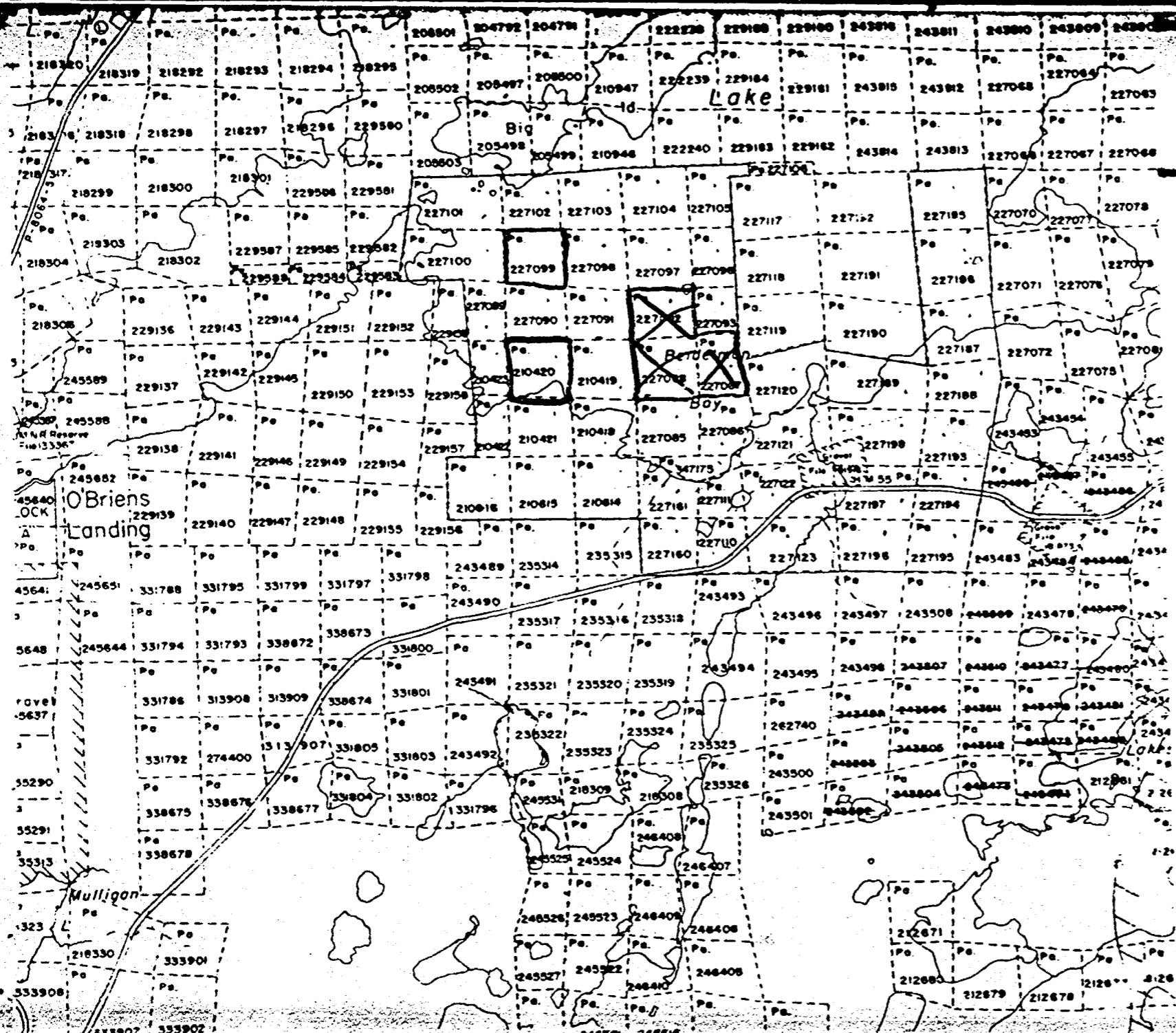
FOOTAGE		DESCRIPTION	CORE SAMPLES						
FROM	TO		NO.	FROM	TO	WIDTH			AVERAC
514.5	527	Dacite and rhyolite tuff with <u>1% pyrite</u>							
527	534.5	Rhyolite tuff and crystal tuff							
534.5	537	fine-grained rhyolite tuff, foliation at 30°							
537	554	rhyolite tuff, foliation at 15°, <u>minor pyrite</u>							
554	555	fine-grained dacite							
555	557	medium-grained dacite flow							
		End of hole							



IMPERIAL OIL LIMITED  
 BEIDELMAN BAY, STURGEON LAKE AREA, ONTARIO  
 CONSOLIDATED MORRISON OPTION  
 LOCATION OF DIAMOND DRILL HOLE  
 DDH - BB9

SCALE 1" = 400 FT





52G14SE0049 52G14SE0021 VALORA LAKE

900

*Valora Lake  
M-2052*

*40 CHAINS*



VALORA LAKE  
M-2052

A separate form is required for each type of work to be recorded.

#63

THE MINING ACT REPORT OF WORK

To the Recorder of Patricia Mining Division  
I, Consolidated Morrison Explorations Ltd. A-38145  
name of Recorded Holder Miner's Licence  
Suite 1700-11 King St. West, Toronto 1, Ontario  
Post Office Address

do hereby report the performance of 2676 days of Diamond drilling  
type of work

not before reported to be applied on the following contiguous claims

Claim No.	Days	Claim No.	Days	Claim No.	Days
SEE SCHEDULE "A"					

210420 & 227099

All the work was performed on Mining Claim (s) 210420 & 227099  
(In the case of geological and/or geophysical survey (s) where more than 18 claims are involved attach a schedule)

READ CAREFULLY: THE FOLLOWING INFORMATION IS REQUIRED BY THE MINING RECORDER.

- For Manual Work, Stripping or Opening up of Mines, Sinking Shafts or Other Actual Mining Operations -- Names and addresses of the men who performed the work and the dates and hours of their employment.
- For Diamond and other Core Drilling - Footage, No. and angle of holes and diameter of core. Name and address of owner or operator of drill. Dates when drilling was done. Signed core log and sketch in duplicate.
- For Compressed Air or Other Power Driven or Mechanical Equipment  
Type of drill or equipment. Names and addresses of men engaged in operating equipment and the dates and hours of their employment.
- For Power Stripping - Type of equipment. Name and address of owner or operator. Amount expended. Dates on which work was done. Proof of actual cost must be submitted within 30 days of recording.
- With each of the above types of work sketches are required to show the location and extent of the work in relation to the nearest claim post. In the case of diamond or other core drilling the sketch must be submitted in duplicate.
- For Geophysical, Geological, Geochemical Surveys and Expenditure Credits - the name of author of report. Covering dates of survey (linecutting & office). Type of instrument used. Total amount of expenditure. Technical reports, maps, expenditure breakdown, receipts must be filed in duplicate with the Minister within 60 days of recording.
- For Land Survey - the name and address of Ontario Land surveyor.

The Required Information is as Follows: (Attach a list if this space is insufficient)

- Drill logs of holes BBl to 5 by Z. Hasan
- Diamond drilling was done by Continental Diamond Drilling Co. Ltd. of Rouyn, Quebec

Pa. 210420 - 2171 ft.  
Pa. 227099 505 ft.  
2676 ft.

Per Imperial Oil Ltd.

Date April 27, 1973

Signature of Recorded Holder or Agent  
As agent for Consolidated Morrison Explorations Ltd.

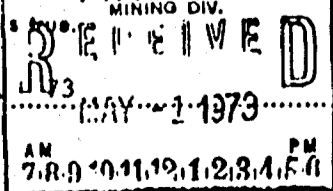
The Mining Act  
Certificate Verifying Report of Work

I, Zia Hasan  
133 Snowshoe Crescent, Thornhill, Ontario  
(Post Office Address)

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, supervised or assisted in its completion.
- That the annexed report is true and correct.

Dated April 27 1973



Signature  
Pa. 210418

THE PENALTY FOR MAKING A FALSE STATEMENT IN THIS REPORT AND/OR CERTIFICATE IS \$500. OR SIX MONTHS IMPRISONMENT OR BOTH

SCHEDULE "A"  
IMPERIAL OIL LIMITED

Diamond drilling credits to be applied against  
following claims as indicated

Patricia Mining Division, Ontario

<u>Claim No.</u>	<u>No. of Days</u>	<u>Claim No.</u>	<u>No. of Days</u>
227099	58	227185	100
210421	58	227186	100
227110	100	227187	100
227111	100	227188	100
227106	60	227189	100
227117	100	227190	100
227118	100	227191	100
227119	100	227192	100
227120	100	227193	100
227121	100	227194	100
227122	100	227195	100
227123	100	227196	100
227160	100	227197	100
227161	100	227198	100

2500  
bc.  
116  
227110

116

PATRICIA  
MINING DIV.  
**RECEIVED**  
MAY - 1 1973  
AM 7:00 - 11:00 PM 12:30 - 4:00

Imperial Oil Ltd  
(Consolidated Morrison and Prudent Operations)



VALORA LAKE

M-2052

A separate form is required for each type of work to be recorded.

# 64

THE MINING ACT REPORT OF WORK

To the Recorder of Patricia Mining Division

I, Consolidated Morrison Explorations Ltd. A-38145  
name of Recorded Holder Miner's Licence

Suite 1700 - 11 King Street West, Toronto 1, Ontario  
Post Office Address

do hereby report the performance of 2289 days of diamond drilling  
type of work

not before reported to be applied on the following contiguous claims

Claim No.	Days	Claim No.	Days	Claim No.	Days
		See Schedule A			

Geological Branch ODM  
ASSESSMENT FILES  
RESEARCH OFFICE  
MAY 31 1973  
RECEIVED

All the work was performed on Mining Claim (s) 210420 & 227088  
(In the case of geological and/or geophysical survey (s) where more than 18 claims are involved attach a schedule)

READ CAREFULLY: THE FOLLOWING INFORMATION IS REQUIRED BY THE MINING RECORDER.

- For Manual Work, Stripping or Opening up of Mines, Sinking Shafts or Other Actual Mining Operations - Names and addresses of the men who performed the work and the dates and hours of their employment.
  - For Diamond and other Core Drilling - Footage, No. and angle of holes and diameter of core. Name and address of owner or operator of drill. Dates when drilling was done. Signed core log and sketch in duplicate.
  - For Compressed Air or Other Power Driven or Mechanical Equipment - Type of drill or equipment. Names and addresses of men engaged in operating equipment and the dates and hours of their employment.
  - For Power Stripping - Type of equipment. Name and address of owner or operator. Amount expended. Dates on which work was done. Proof of actual cost must be submitted within 30 days of recording.
- With each of the above types of work sketches are required to show the location and extent of the work in relation to the nearest claim post. In the case of diamond or other core drilling the sketch must be submitted in duplicate.
- For Geophysical, Geological, Geochemical Surveys and Expenditure Credits - the name of author of report. Covering dates of survey (linecutting & office). Type of instrument used. Total amount of expenditure. Technical reports, maps, expenditure breakdown, receipts must be filed in duplicate with the Minister within 60 days of recording.
  - For Land Survey - the name and address of Ontario Land surveyor.

The Required Information is as Follows: (Attach a list if this space is insufficient)

- Drill logs of Holes BB6 to 9 by Z. Hasan
- Diamond drilling was done by Bradley Bros. Ltd., Box 367, Noranda, Quebec

Date April 27, 1973 per Imperial Oil Limited  
Signature of Recorded Holder or Agent  
as agent for Consolidated Morrison  
Explorations Ltd.

The Mining Act  
Certificate Verifying Report of Work

I, Zia-ul Hasan  
133 Snowshoe Crescent, Thornhill, Ontario  
(Post Office Address)

hereby certify:

- That I have a personal and intimate knowledge of the facts set forth in the report of work annexed here-to, having performed the work or witnessed same during and/or after its completion.
- That the annexed report is true.

Dated April 27, 1973

PATRICIA MINING DIV.  
RECEIVED  
MAY - 3 1973  
AM 7:00 - 11:00, 1:23, 4:50 PM

Signature Hasan  
Pa. 210418

THE PENALTY FOR MAKING A FALSE STATEMENT IN THIS REPORT AND/OR CERTIFICATE IS \$500. OR SIX MONTHS IMPRISONMENT OR BOTH

Schedule "A"  
Imperial Oil Limited

Diamond drilling credits to be applied against following claims as indicated.

Patricia Mining Division, Ontario

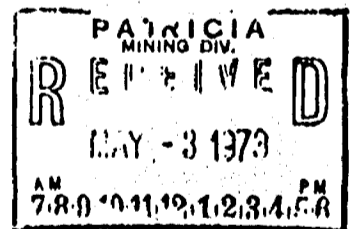
<u>Claims</u>	<u>No. of days</u>	<u>Claims</u>	<u>No. of Days</u>
PA 210418	60	PA 227103	60
210419	60	227104	60
210420	24	<del>227105</del>	60
210421	60	227110	25
210422	60	227111	25
210423	60	227120	25
210614	60	227121	25
210615	60	227122	25
<del>210616</del>	70	227123	25
227085	60	227160	25
227086	60	227161	25
227087	60	227185	25
227088	60	227186	25
227089	60	227187	25
227090	60	227188	25
227091	60	227189	25
227092	60	227193	25
227093	60	227194	25
227096	60	227195	25
227097	60	227196	25
227098	60	227197	25
227100	80	227198	25
227101	60		
227102	60	347175	200

1424

152

1430  
152  
228

Pa. 210418



SCHEDULE "A"  
IMPERIAL OIL LIMITED

Diamond drilling credits to be applied against  
following claims as indicated

Patricia Mining Division, Ontario

<u>Claim No.</u>	<u>No. of Days</u>	<u>Claim No.</u>	<u>No. of Days</u>
227099	58	227185	100
210421	58	227186	100
227110	100	227187	100
227111	100	227188	100
227106	60	227189	100
227117	100	227190	100
227118	100	227191	100
227119	100	227192	100
227120	100	227193	100
227121	100	227194	100
227122	100	227195	100
227123	100	227196	100
227160	100	227197	100
227161	100	227198	100

*Report # 63  
unconsolidated Assessment*

PATRICIA  
MINING DIV.  
**RECEIVED**  
1973  
AM 7:00 11:00 1:00 4:00 PM

S.W. Pt of  
**STURGEON LAKE**  
M-2266



A separate form is required for each type of work to be recorded.

276  
#27

**THE MINING ACT REPORT OF WORK**

To the Recorder of           SIOUX LOOKOUT,                     PATRICIA           Mining Division  
          CONSOLIDATED MORRISON EXPLORATIONS LIMITED                     A 38145            
 I,           name of Recorded Holder                     Miner's Licence            
          SUITE 1700, 11 KING STREET WEST, TORONTO 1, ONTARIO            
          Post Office Address            
 do hereby report the performance of           2,101           days of           DIAMOND DRILLING            
          type of work          

not before reported to be applied on the following contiguous claims

Claim No.	Days	Claim No.	Days	Claim No.	Days
<b>SEE SCHEDULE ATTACHED</b>					
.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....

All the work was performed on Mining Claim (s)           227088, 227092 & 227097            
 (in the case of geological and/or geophysical survey (s) where more than 18 claims are involved attach a schedule)

**READ CAREFULLY: THE FOLLOWING INFORMATION IS REQUIRED BY THE MINING RECORDER.**

- For Manual Work, Stripping or Opening up of Mines, Sinking Shafts or Other Actual Mining Operations - Names and addresses of the men who performed the work and the dates and hours of their employment.
- For Diamond and other Core Drilling - Footage, No. and angle of holes and diameter of core. Name and address of owner or operator of drill. Dates when drilling was done. Signed core log and sketch in duplicate.
- For Compressed Air or Other Power Driven or Mechanical Equipment
- Type of drill or equipment. Names and addresses of men engaged in operating equipment and the dates and hours of their employment.
- For Power Stripping - Type of equipment. Name and address of owner or operator. Amount expended. Dates on which work was done. Proof of actual cost must be submitted within 30 days of recording.
- With each of the above types of work sketches are required to show the location and extent of the work in relation to the nearest claim post. In the case of diamond or other core drilling the sketch must be submitted in duplicate.
- For Geological and Geophysical Survey - The names and addresses of men employed as well as dates. Type of instrument used in the case of geophysical survey. Reports and maps in duplicate must be filed with the Minister within 60 days of recording.
- For Land Survey - the name and address of Ontario Land surveyor.

The Required Information is as Follows: (Attach a list if this space is insufficient)

*Hole 010*  
 B-3 Pa. 227087 *20456*  
 B-2 Pa. 227088 *955*  
 B-1 Pa. 227092 *20446*  
*20446*  
*20446*  
*2101*

**GRIFFITH BROS. DRILLING LIMITED,**  
**LAC DU BONNET, MANITOBA**

**CONSOLIDATED MORRISON EXPLORATIONS LIMITED**

PATRICIA  
 MINING DIV.  
 JUL 29 1971  
 11:12 AM

Date           JULY 27, 1971.          

*Fred E. Hall*  
 Signature of Recorded Holder or Agent  
**EXECUTIVE VICE PRESIDENT**

The Mining Act  
 Certificate Verifying Report of Work

I,           FRED E. HALL            
          2 WELBROOKE PLACE, ISLINGTON, Ontario            
          (Post Office Address)          

hereby certify:

1. 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.
2. That the annexed report is true.

Dated           July 27           19           71          

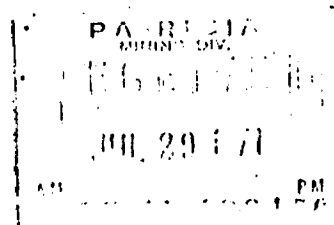
*Fred E. Hall*  
 Signature  
**FRED E. HALL**

THE PENALTY FOR MAKING A FALSE STATEMENT IN THIS REPORT AND/OR CERTIFICATE IS \$500. OR SIX MONTHS IMPRISONMENT OR BOTH

CONSOLIDATED MORRISON EXPLORATIONS LIMITED

Schedule of Mining Claims showing distribution of  
Diamond Drilling.

<u>CLAIM NO.</u>	<u>NO. OF DAYS</u>
210418	67.8
210419	67.8
210420	67.8
210421	67.8
210422	67.8
210423	67.8
210614	67.8
210615	67.8
210616	67.8
227035	67.8
227036	67.8
227037	67.8
227038	67.8
227089	67.8
227090	67.8
227091	67.8
227092	67.8
227093	67.8
227094	67.8
227095	67.8
227096	67.8
227097	67.8
227098	67.8
207099	67.8
207100	67.8
227101	67.8
227102	67.8
227103	67.8
227104	67.8
227105	67.8
<u>227106</u>	<u>67.8</u>
31 Claims	2,101 days



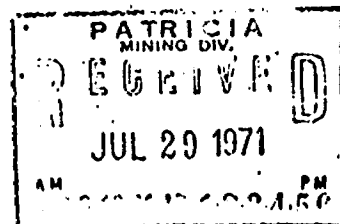
#276/71 Supt. Sturgeon Lake  
Cons. Morrison Expl. Ltd.



CONSOLIDATED MORRISON EXPLORATIONS LIMITED

Schedule of Mining Claims showing distribution of  
Diamond Drilling.

<u>CLAIM NO.</u>	<u>NO. OF DAYS</u>
210418	67.8
210419	67.8
210420	67.8
210421	67.8
210422	67.8
210423	67.8
210614	67.8
210615	67.8
210616	67.8
227085	67.8
227086	67.8
227087	67.8
227088	67.8
227089	67.8
227090	67.8
227091	67.8
227092	67.8
227093	67.8
227094	67.8
227095	67.8
227096	67.8
227097	67.8
227098	67.8
207099	67.8
207100	67.8
227101	67.8
227102	67.8
227103	67.8
227104	67.8
227105	67.8
227106	67.8
31 Claims	2,101 days



Consolidated Morrison — Sturgeon Lake drilling  
 BAIRD OPTION  
 BEUDELMAN BAY  
 STURGEON LAKE

Hole B-1 -	Line 40 W Station 72 S Azimuth 180° Dip -60° Length 596'	START START FINNISH	MARCH 8 MARCH 8 MARCH 13
Hole B-2 -	Line 40 W Station 77 S Azimuth 0° Dip -60° Length 550'	START START FINNISH	MARCH 14 MARCH 14 MARCH 19
Hole B-3 -	Line 28 W Station 76 S Azimuth 100° Dip -60° Length 955'	START START FINNISH	MARCH 20 MARCH 20 APRIL 6

X-RAY ASSAY LABORATORIES  
45 Lesmill Road  
Don Mills, Ontario

CERTIFICATE OF ANALYSIS  
NO. 7066-1

TO: Consolidated Morrison Explorations Limited,  
11 King Street West, Suite 1700,  
TORONTO, Ontario

RECEIVED: April 3, 1971 (J. McCome)      INVOICE NO. 7066

SAMPLE(S) OF : 26 5 Core      SUBMITTED TO SHOW RESULTS AS FOLLOWS:

<u>Sample No.</u>	<u>% Cu</u>	<u>% Zn</u>	<u>Au oz./ton</u>	<u>Ag oz./ton</u>
B-3-1	0.07		Nil	Nil
2	0.20		Trace	Trace
3	0.17		Trace	Trace
4	0.12		Trace	Trace
5	0.21		Trace	Trace
6	0.15		Trace	Trace
7	0.10		Trace	Trace
8	0.11		Trace	Trace
9	0.09		Trace	Trace
10	0.06		Trace	Trace
11	0.03		Nil	Nil
12	0.09		Nil	Trace
13	0.09		Nil	Trace
14	0.12		Nil	
15	0.10			Trace
16	0.05		Nil	Nil
17	0.07		Nil	
18	0.24	1.00	Nil	
19	0.08		Nil	
20	0.04		Nil	
21	0.16		Nil	
22	0.10		Trace	
23	0.05		Nil	
24	0.11		Nil	
25	0.11		Nil	
26	0.03		Nil	

X-RAY ASSAY LABORATORIES LIMITED

DATE: April 12, 1971

**DUPLICATE COPY  
FOR QUALITY ORIGINAL  
TO FOLLOW**

X-RAY ASSAY LABORATORIES  
45 Lesmill Road  
Don Mills, Ontario

CERTIFICATE OF ANALYSIS  
NO. 7066-2

TO: Consolidated Morrison Explorations Limited,  
11 King Street West, Suite 1700,  
TORONTO, Ontario

RECEIVED: April 6, 1971      INVOICE NO. 7066

SAMPLE(S) OF: 12 S. Core      SUBMITTED TO SHOW RESULTS AS FOLLOWS:

Element	Sens*	Concentration			Element	Sens*	Concentration		
		B-3-1	B-3-2	B-3-4			B-3-1	B-3-2	B-3-4
Antimony	(4)	ND	ND	ND	Manganese	(1)	T	T	T
Arsenic	(4)	ND	ND	ND	Mercury	(4)	ND	ND	ND
Beryllium	(2)	ND	ND	ND	Molybdenum	(3)	ND	ND	ND
Bismuth	(2)	ND	ND	ND	Nickel	(1)	FT	FT	FT
Cadmium	(4)	ND	ND	ND	Silver	(1)	ND	FT	FT
Cerium	(5)	ND	ND	ND	Tantalum	(5)	ND	ND	ND
Columbium	(4)	ND	ND	ND	Thorium	(3)	ND	ND	ND
Chromium	(4)	ND	ND	ND	Tin	(2)	ND	ND	ND
Cobalt	(3)	ND	ND	ND	Titanium	(2)	L	TL	TL
Copper	(1)	T	TL	TL	Tungsten	(4)	ND	ND	ND
Gallium	(2)	ND	ND	ND	Uranium	(3)	ND	ND	ND
Germanium	(1)	ND	ND	ND	Vanadium	(2)	ND	ND	ND
Iron	(2)	LM	LM	LM	Yttrium	(3)	ND	ND	ND
Lead	(2)	ND	ND	ND	Zinc	(4)	T	T	T
Lithium	(4)	ND	ND	ND	Zirconium	(4)	T	ND	ND

LEGEND

Key to Symbols		Sensitivity (limit of detection)
H - 10% plus	L - 0.1 - 1%	1 - 0.0005 - 0.001%
MH - 5 - 15%	TL - 0.05 - 0.5%	2 - 0.001 - 0.005%
M - 1 - 10%	T - 0.01 - 0.1%	3 - 0.005 - 0.01%
LM - 0.5 - 5%	FT - 0.01% or less	4 - 0.01 - 0.05%
	ND - Not detected	5 - 0.05 - 0.1%

Note: Better sensitivities can be obtained with special techniques, if and when required.

DATE: April 22, 1971

X-RAY ASSAY LABORATORIES  
45 Lesmill Road  
Don Mills, Ontario

CERTIFICATE OF ANALYSIS  
NO. 7066-3

TO: Consolidated Morrison Explorations Limited  
11 King Street West, Suite 1700,  
TORONTO, Ontario

RECEIVED: April 8, 1971      INVOICE NO. 7066

SAMPLE(S) OF: 12 S. Core      SUBMITTED TO SHOW RESULTS AS FOLLOWS

Element	Sens*	Concentration			Element	Sens*	Concentration	
		B-3-6	B-3-8	B-3-10			B-3-6	B-3-8
Antimony	(4)	ND	ND	ND	Manganese	(1)	T	T
Arsenic	(4)	ND	ND	ND	Mercury	(4)	ND	ND
Beryllium	(2)	ND	ND	ND	Molybdenum	(3)	ND	ND
Bismuth	(2)	ND	ND	ND	Nickel	(1)	FT	FT
Cadmium	(4)	ND	ND	ND	Silver	(1)	FT	FT
Cerium	(5)	ND	ND	ND	Tantalum	(5)	ND	ND
Columbium	(4)	ND	ND	ND	Thorium	(3)	ND	ND
Chromium	(4)	ND	ND	ND	Tin	(2)	ND	ND
Cobalt	(3)	ND	ND	ND	Titanium	(2)	TL	TL
Copper	(1)	TL	TL	T	Tungsten	(4)	ND	ND
Gallium	(2)	ND	ND	ND	Uranium	(3)	ND	ND
Germanium	(1)	ND	ND	ND	Vanadium	(2)	ND	ND
Iron	(2)	LM	LM	LM	Yttrium	(3)	ND	ND
Lead	(2)	ND	ND	FT	Zinc	(4)	T	T
Lithium	(4)	ND	ND	ND	Zirconium	(4)	ND	ND

LEGEND

Key to Symbols

H - 10% plus      L - 0.1 - 1%  
 MH - 5 - 15%      TL - 0.05 - 0.5%  
 M - 1 - 10%      T - 0.01 - 0.1%  
 LM - 0.5 - 5%      FT - 0.01% or less  
                          ND - Not detected

\*Sensitivity  
(limit of detection)

1 - 0.0005 - 0.001%  
 2 - 0.001 - 0.005%  
 3 - 0.005 - 0.01%  
 4 - 0.01 - 0.05%  
 5 - 0.05 - 0.1%

Note: Better sensitivities can be obtained with special techniques, if and when required.

DATE: April 12, 1971

X-RAY ASSAY LABORATORIES  
45 Lesmill Road  
Don Mills, Ontario

CERTIFICATE OF ANALYSIS  
NO. 7066-4

TO: Consolidated Morrison Explorations Limited  
11 King Street West, Suite 1700,  
TORONTO, Ontario

RECEIVED: April 3, 1971      INVOICE NO. 7066

SAMPLE(S) OF: 12 S. Core      SUBMITTED TO SHOW RESULTS AS FOLLOWS:

Element	Sens*	Concentration			Element	Sens*	Concentration		
		B-3-12	B-3-14	B-3-16			B-3-12	B-3-14	B-3-16
Antimony	(4)	ND	ND	ND	Manganese	(1)	T	T	T
Arsenic	(4)	ND	ND	ND	Mercury	(4)	ND	ND	ND
Beryllium	(2)	ND	ND	ND	Molybdenum	(3)	ND	ND	ND
Bismuth	(2)	ND	ND	ND	Nickel	(1)	FT	FT	FT
Cadmium	(4)	ND	ND	ND	Silver	(1)	ND	FT	ND
Cerium	(5)	ND	ND	ND	Tantalum	(5)	ND	ND	ND
Columbium	(4)	ND	ND	ND	Thorium	(3)	ND	ND	ND
Chromium	(4)	ND	ND	ND	Tin	(2)	ND	ND	ND
Cobalt	(3)	ND	ND	ND	Titanium	(2)	TL	L	L
Copper	(1)	T	TL	T	Tungsten	(4)	ND	ND	ND
Gallium	(2)	ND	ND	ND	Uranium	(3)	ND	ND	ND
Germanium	(1)	ND	ND	ND	Vanadium	(2)	ND	FT	FT
Iron	(2)	LM	LM	LM	Yttrium	(3)	ND	ND	ND
Lead	(2)	ND	ND	ND	Zinc	(4)	ND	T	T
Lithium	(4)	ND	ND	ND	Zirconium	(4)	ND	T	T

LEGEND

Key to Symbols

H - 10% plus      L - 0.1 - 1%  
MH - 5 - 15%      TL - 0.05 - 0.5%  
M - 1 - 10%      T - 0.01 - 0.1%  
LM - 0.5 - 5%      FT - 0.01% or less  
ND - Not detected

\*Sensitivity  
(limit of detection)

1 - 0.0005 - 0.001%  
2 - 0.001 - 0.005%  
3 - 0.005 - 0.01%  
4 - 0.01 - 0.05%  
5 - 0.05 - 0.1%

Note: Better sensitivities can be obtained with special techniques, if and when required.

Date: April 12, 1971

X-RAY ASSAY LABORATORIES  
45 Lesmill Road  
Don Mills, Ontario

CERTIFICATE OF ANALYSIS  
NO. 7066-5

TO: Consolidated Morrison Explorations Limited  
11 King Street West, Suite 1700,  
TORONTO, Ontario

RECEIVED: April 8, 1971      INVOICE NO: 7066  
SAMPLE(S) OF: 12 S. Core      SUBMITTED TO SHOW RESULTS AS FOLLOWS:

Element	Sens*	Concentration			Element	Sens*	Concentration		
		B-3-18	B-3-19	B-3-25			B-3-18	B-3-19	B-3-25
Antimony	(4)	ND	ND	ND	Manganese	(1)	T	T	T
Arsenic	(4)	ND	ND	ND	Mercury	(4)	ND	ND	ND
Beryllium	(2)	ND	ND	ND	Molybdenum	(3)	ND	ND	ND
Bismuth	(2)	ND	ND	ND	Nickel	(1)	FT	FT	FT
Cadmium	(4)	ND	ND	ND	Silver	(1)	FT	ND	ND
Cerium	(5)	ND	ND	ND	Tantalum	(5)	ND	ND	ND
Columbium	(4)	ND	ND	ND	Thorium	(3)	ND	ND	ND
Chromium	(4)	ND	ND	ND	Tin	(2)	ND	ND	ND
Cobalt	(3)	ND	ND	ND	Titanium	(2)	L	TL	TL
Copper	(1)	TL	T	TL	Tungsten	(4)	ND	ND	ND
Gallium	(2)	ND	ND	ND	Uranium	(3)	ND	ND	ND
Germanium	(1)	ND	ND	ND	Vanadium	(2)	FT	ND	ND
Iron	(2)	LM	LM	LM	Yttrium	(3)	ND	ND	ND
Lead	(2)	FT	ND	ND	Zinc	(4)	LM	ND	ND
Lithium	(4)	ND	ND	ND	Zirconium	(4)	T	ND	ND

LEGEND

Key to Symbols

H - 10% plus      L - 0.1 - 1%  
MH - 5 - 15%      TL - 0.05 - 0.5%  
M - 1 - 10%      T - 0.01 - 0.1%  
LM - 0.5 - 5%      FT - 0.01% or less  
ND - not detected

\*Sensitivity  
(limit of detection)

1 - 0.0005 - 0.001%  
2 - 0.001 - 0.005%  
3 - 0.005 - 0.01%  
4 - 0.01 - 0.05%  
5 - 0.05 - 0.1%

Note: Better sensitivities can be obtained with special techniques, if and when required.

Date: April 12, 1971

# X-RAY ASSAY LABORATORIES

LIMITED

45 LESMILL ROAD

DON MILLS ONTARIO

445-5755

## Certificate of Analysis

NO. 7000-1

TO: Consolidated Harrison Explorations Limited,  
11 King Street East, Suite 1700,  
TORONTO, Ontario.

RECEIVED April 8, 1971 (J. McCone)

INVOICE NO. 7000

SAMPLE(S) OF 25 ft. Core

SUBMITTED TO US SHOW RESULTS AS FOLLOWS:

Sample No.	% Cu	% Zn	Ag oz./ton	Ag oz./ton
2-3-1	0.07		N11	N11
2	0.20		Trace	Trace
3	0.17		Trace	Trace
4	0.12		Trace	Trace
5	0.21		Trace	Trace
6	0.15		Trace	Trace
7	0.10		Trace	Trace
8	0.11		Trace	Trace
9	0.09		Trace	Trace
10	0.08		Trace	Trace
11	0.03		N11	N11
12	0.09		N11	Trace
13	0.09		N11	Trace
14	0.12		N11	
15	0.10			Trace
16	0.05		N11	N11
17	0.07		N11	
18	0.24	1.00	N11	
19	0.09		N11	
20	0.04		N11	
21	0.16		N11	
22	0.10		Trace	
23	0.05		N11	
24	0.11		N11	
25	0.11		N11	
26	0.03		N11	

X-RAY ASSAY LABORATORIES LIMITED

DATE April 12, 1971

CERTIFIED BY \_\_\_\_\_



# X-RAY ASSAY LABORATORIES

LIMITED

45 LESMILL ROAD

DON MILLS ONTARIO

445-5755

## Certificate of Analysis

NO. 7000-2

TO: Minerals and Minerals Explorations Limited,  
22 King St. E. Suite 1700,  
Toronto, Ontario.

RECEIVED 12/17/71 (J. McCombe)

INVOICE NO. 7000

SAMPLE(S) OF 12 G. Core

SUBMITTED TO US SHOW RESULTS AS FOLLOWS:

Element	Sens*	Concentration			Element	Sens*	Concentration		
		B-3-1	B-3-2	B-3-4			B-3-1	B-3-2	B-3-4
Antimony	(4)	ND	ND	ND	Manganese	(1)	T	T	T
Arsenic	(4)	ND	ND	ND	Mercury	(4)	ND	ND	ND
Beryllium	(2)	ND	ND	ND	Molybdenum	(3)	ND	ND	ND
Bismuth	(2)	ND	ND	ND	Nickel	(1)	FT	FT	FT
Cadmium	(4)	ND	ND	ND	Silver	(1)	ND	FT	FT
Cerium	(5)	ND	ND	ND	Tantalum	(5)	ND	ND	ND
Columbium	(4)	ND	ND	ND	Thorium	(3)	ND	ND	ND
Chromium	(4)	ND	ND	ND	Tin	(2)	ND	ND	ND
Cobalt	(3)	ND	ND	ND	Titanium	(2)	L	TL	TL
Copper	(1)	T	TL	TL	Tungsten	(4)	ND	ND	ND
Gallium	(2)	ND	ND	ND	Uranium	(3)	ND	ND	ND
Germanium	(1)	ND	ND	ND	Vanadium	(2)	ND	ND	ND
Iron	(2)	LM	LM	LM	Yttrium	(3)	ND	ND	ND
Lead	(2)	ND	ND	ND	Zinc	(4)	T	T	T
Lithium	(4)	ND	ND	ND	Zirconium	(4)	T	ND	ND

### LEGEND

#### Key To Symbols

H - 10% plus	L - 0.1-1%
MH - 5-15%	TL - 0.05-0.5%
M - 1-10%	T - 0.01-0.1%
LM - 0.5-5%	FT - 0.01% or less
	ND - Not detected

#### \*Sensitivity (limit of detection)

1- 0.0005-0.001%
2- 0.001-0.005%
3- 0.005- 0.01%
4- 0.01 - 0.05%
5- 0.05 - 0.1%

Note: Better sensitivities can be obtained with special techniques, if and when required.

X-RAY ASSAY LABORATORIES LIMITED

DATE

APRIL 22, 1971

CERTIFIED BY

ASSAYERS - ANALYTICAL CHEMISTS - SPECTROGRAPHERS

# X-RAY ASSAY LABORATORIES

LIMITED

45 LESMILL ROAD

DON MILLS ONTARIO

445-5755

## Certificate of Analysis

NO. 74-11-3

TO: Canadian International Minerals Ltd.  
1111 Bay St., Suite 1700,  
Toronto, Ontario.

RECEIVED April 8, 1971

INVOICE NO. 7000

SAMPLE(S) OF 12 1/2 Core

SUBMITTED TO US SHOW RESULTS AS FOLLOWS:

Element	Sens*	Concentration			Element	Sens*	Concentration		
		B-3-6	B-3-8	B-3-10			B-3-6	B-3-8	B-3-10
Antimony	(4) ND	ND	ND	ND	Manganese	(1) T	T	T	
Arsenic	(4) ND	ND	ND	ND	Mercury	(4) ND	ND	ND	
Beryllium	(2) ND	ND	ND	ND	Molybdenum	(3) ND	ND	ND	
Bismuth	(2) ND	ND	ND	ND	Nickel	(1) FT	FT	FT	
Cadmium	(4) ND	ND	ND	ND	Silver	(1) FT	FT	FT	
Cerium	(5) ND	ND	ND	ND	Tantalum	(5) ND	ND	ND	
Columbium	(4) ND	ND	ND	ND	Thorium	(3) ND	ND	ND	
Chromium	(4) ND	ND	ND	ND	Tin	(2) ND	ND	ND	
Cobalt	(3) ND	ND	ND	ND	Titanium	(2) TL	TL	TL	
Copper	(1) TL	TL	T	T	Tungsten	(4) ND	ND	ND	
Gallium	(2) ND	ND	ND	ND	Uranium	(3) ND	ND	ND	
Germanium	(1) ND	ND	ND	ND	Vanadium	(2) ND	ND	ND	
Iron	(2) LM	LM	LM	LM	Yttrium	(3) ND	ND	ND	
Lead	(2) ND	ND	FT	FT	Zinc	(4) T	T	ND	
Lithium	(4) ND	ND	ND	ND	Zirconium	(4) ND	ND	ND	

### LEGEND

#### Key To Symbols

H - 10% plus  
MH - 5-15%  
M - 1-10%  
LM - 0.5-5%  
L - 0.1-1%  
TL - 0.05-0.5%  
T - 0.01-0.1%  
FT - 0.01% or less  
ND - Not detected

#### \*Sensitivity (limit of detection)

1- 0.0005-0.001%  
2- 0.001-0.005%  
3- 0.005- 0.01%  
4- 0.01 - 0.05%  
5- 0.05 - 0.1%

Note: Better sensitivities can be obtained with special techniques, if and when required.

X-RAY ASSAY LABORATORIES LIMITED

DATE April 12, 1971

CERTIFIED BY \_\_\_\_\_

# X-RAY ASSAY LABORATORIES

LIMITED

45 LESMILL ROAD

DON MILLS ONTARIO

445-5755

## Certificate of Analysis

NO. 1001-4

TO: *Canadian Nuclear Laboratories*,  
 1500, *Don Mills Road*,  
 Toronto, Ontario.

RECEIVED April 3, 1971

INVOICE NO. 7086

SAMPLE(S) OF 12 S. Core

SUBMITTED TO US SHOW RESULTS AS FOLLOWS:

Element	Sens*	Concentration			Element	Sens*	Concentration		
		B-3-12	B-3-14	B-3-16			B-3-12	B-3-14	B-3-16
Antimony	(4)	ND	ND	ND	Manganese	(1)	T	T	T
Arsenic	(4)	ND	ND	ND	Mercury	(4)	ND	ND	ND
Beryllium	(2)	ND	ND	ND	Molybdenum	(3)	ND	ND	ND
Bismuth	(2)	ND	ND	ND	Nickel	(1)	FT	FT	FT
Cadmium	(4)	ND	ND	ND	Silver	(1)	ND	FT	FT
Cerium	(5)	ND	ND	ND	Tantalum	(5)	ND	ND	ND
Columbium	(4)	ND	ND	ND	Thorium	(3)	ND	ND	ND
Chromium	(4)	ND	ND	ND	Tin	(2)	ND	ND	ND
Cobalt	(3)	ND	ND	ND	Titanium	(2)	TL	T	T
Copper	(1)	T	TL	T	Tungsten	(4)	ND	ND	ND
Gallium	(2)	ND	ND	ND	Uranium	(3)	ND	ND	ND
Germanium	(1)	ND	ND	ND	Vanadium	(2)	ND	FT	FT
Iron	(2)	LM	LM	LM	Yttrium	(3)	ND	ND	ND
Lead	(2)	ND	ND	ND	Zinc	(4)	ND	TL	TL
Lithium	(4)	ND	ND	ND	Zirconium	(4)	ND	T	T

### LEGEND

#### Key To Symbols

H - 10% plus	L - 0.1-1%
MH - 5-15%	TL - 0.05-0.5%
M - 1-10%	T - 0.01-0.1%
LM - 0.5-5%	FT - 0.01% or less
	ND - Not detected

#### \*Sensitivity (limit of detection)

1- 0.0005-0.001%
2- 0.001-0.005%
3- 0.005- 0.01%
4- 0.01 - 0.05%
5- 0.05 - 0.1%

Note: Better sensitivities can be obtained with special techniques, if and when required.

X-RAY ASSAY LABORATORIES LIMITED

DATE April 10, 1971

CERTIFIED BY \_\_\_\_\_

# X-RAY ASSAY LABORATORIES

LIMITED

45 LESMILL ROAD

DON MILLS ONTARIO

443-5755

## Certificate of Analysis

NO. 7066-5

TO: *Canadian Exploration,*  
 1700, *St. Lawrence St.,*  
 Toronto, Ontario.

RECEIVED April 9, 1971

INVOICE NO. 7066

SAMPLE(S) OF 12 g. Ore

SUBMITTED TO US SHOW RESULTS AS FOLLOWS:

Element	Sens*	Concentration			Element	Sens*	Concentration		
		B-3-18	B-3-19	B-3-25			B-3-18	B-3-19	B-3-25
Antimony	(4)	ND	ND	ND	Manganese	(1)	T	T	T
Arsenic	(4)	ND	ND	ND	Mercury	(4)	ND	ND	ND
Beryllium	(2)	ND	ND	ND	Molybdenum	(3)	ND	ND	ND
Bismuth	(2)	ND	ND	ND	Nickel	(1)	FT	FT	FT
Cadmium	(4)	ND	ND	ND	Silver	(1)	FT	ND	ND
Cerium	(5)	ND	NT	ND	Tantalum	(5)	ND	ND	ND
Columbium	(4)	ND	ND	ND	Thorium	(3)	ND	ND	ND
Chromium	(4)	ND	ND	ND	Tin	(2)	ND	ND	ND
Cobalt	(3)	ND	FT	ND	Titanium	(2)	L	TL	TL
Copper	(1)	EL	T	EL	Tungsten	(4)	ND	ND	ND
Gallium	(2)	ND	ND	ND	Uranium	(3)	ND	ND	ND
Germanium	(1)	ND	ND	ND	Vanadium	(2)	FT	ND	ND
Iron	(2)	LM	LM	LM	Yttrium	(3)	ND	ND	ND
Lead	(2)	FT	ND	ND	Zinc	(4)	LM	ND	ND
Lithium	(4)	ND	ND	ND	Zirconium	(4)	T	ND	ND

### LEGEND

#### Key To Symbols

H - 10% plus	L - 0.1-1%
MH - 5-15%	TL - 0.05-0.5%
M - 1-10%	T - 0.01-0.1%
LM - 0.5-5%	FT - 0.01% or less
	ND - Not detected

#### \*Sensitivity (limit of detection)

1- 0.0005-0.001%
2- 0.001-0.005%
3- 0.005- 0.01%
4- 0.01 - 0.05%
5- 0.05 - 0.1%

Note: Better sensitivities can be obtained with special techniques, if and when required.

X-RAY ASSAY LABORATORIES LIMITED

DATE

April 12, 1971

CERTIFIED BY \_\_\_\_\_

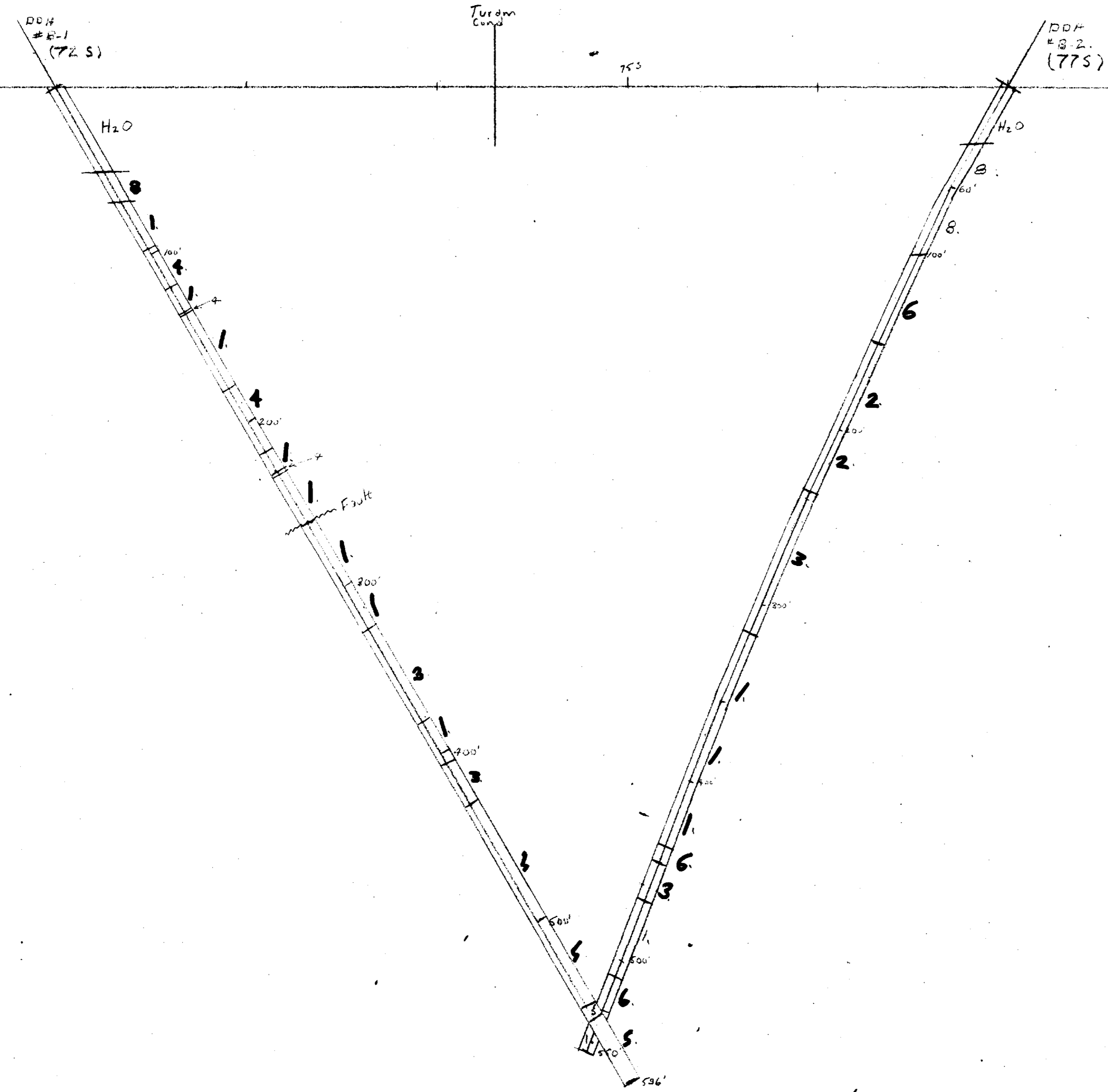
**FOR ADDITIONAL**

**INFORMATION**

**SEE MAPS:**

52G/14SE-0021 # 1-3

L 40 W  
 Scale: H-1" = 40'  
 V-1" = 40'



- 8. Overburden
- 7.
- 6. Intrusive - Granodiorite?
- 5. Chlorite Schist
- 4. Diorite
- 3. Basic Volcanics
- 2. Inter. Volcanics
- 1. Acid Volcanics



52 G/14 SE - 0021 #1

Consolidated Morrison Explorations  
 Baird Option.  
 Section DDH-B-1 & B-2, Line 40W  
 Scale: H+V-1" = 40'

#276  
 Area of Skorpion Lake Report #35



Line 28W

Scale: H - 1" = 40'

V - 1" = 40'

DDH (765)  
# B-3

775

Turon  
Cond.

Turon  
Cond.

805

855

Water

Lake Bottom  
Mud

Sand + Gravel

schistose  
front. thin zone

schistose

ruff?

Fault

- 8. Overburden
- 7. Granite, granite gneiss.
- 6. Intrusive - Granodiorite?, Quartz. Porphyry
- 5. Chlorite Schist
- 4. Diorite
- 3. Basic Volcanics - Andesite, Volcanic Breccia  
Vol. Brecc. is fine grained, dark green in colour - leucoid + gtt,  
2-3% dissem. sulph. - py, po, chalc
- 2. Inter. Volcanics
- 1. Acid Volcanics

52G/14SE-0021 #2

#276

Consolidated Morrison Explorations Ltd.

Baird Option

Section DDH No.3 Line 28W

Scale: H+V-1"=40'

Sturgeon Lake Report #55 2B-4-71



52G14SE0040 52G14SE0021 VALORA LAKES

L 60W  
L 52W  
L 48W  
L 44W  
L 40W  
L 36W  
L 32W  
L 28W

Sturgeon Lake

DDH-B-1  
Stn 725

Turam  
Conductor

DDH-B-2  
Stn 775

DDH-B-3  
Stn 765

Tie line BOS

Turam  
Conductor

Beidelman Bay

#276  
Consolidated Morrison  
Explorations Limited  
Baird Option  
Location of Diamond Drill Holes

Scale: 1" = 200'

52G/14SE-0021 #3

Sturgeon Lk #35 29/4/71

