

Diamond Drilling



41106SW0021 0011 DIEPPE

010

Township of DIEPPE

Report NO 13

Work performed by: Mattagami Lake Mines Limited

Claim NO	Hole NO	Footage	Date	Note
S 409977	D-B-76-1	397.0'	Sept/76	(1)
S 424024	D-A-76-2	357.0'	Sept/76	(2)
S 424023	D-A-76-3	386.0'	Sept/76	(2)
S 437707	D-D-76-4	380.0'	Sept/76	(2)
S 409976	D-B-76-5	567.0'	Oct/76	(2)
S 409976	<u>D-B-76-6</u>	<u>477.0'</u>	Oct/76	(2)

TOTAL: 6 DH 2564. FT

Notes:

(1) #92-76

(2) #121-76

MATTAGANI LAKE MINES LIMITED - EXPLORATION DIVISION - DIAMOND DRILL HOLE RECORD # 92 Sudbury

PROPERTY	Dieppe	LATITUDE	1+00N	STARTED	September 13, 1976	DIP TEST					
HOLE NO.	D-B-76/1	DEPARTURE	4+00W	FINISHED	September 17, 1976	Footage	Corrected	Footage	Corrected	Footage	Corrected
BEARING	Grid North	ELEVATION	Surface	LENGTH	397'	100'	-45°	397'	32°		
DIP-COLLAR	-45°	SECTION	4+00W	LOGGED BY	G. Steinert	200'	-41°				
						300'	-38°				

FOOTAGE		DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE			ASSAYS		
From	To				From	To	Length	CU	AU	NI
0.0	6.0	Casing (0' Overburden)								
6.0	291.9	QUARTZITE								
		Very pure, fine to med, size qtz, crystals, greyish-white colour, highly fractured, fractures filled with grey qtz. giving numerous qtz. veinlets less than 1/8" thick, these contain blebs & stringers of cpy & py (<1%), also very fine gr. dissem. py in matrix (<1%) and few specks cpy. few chlorite filled fractures containing dissem, po & py on fracture surfaces.								
		also thin interbedded greywacke, argillaceous greywacke, and qtz. pebble conglomerate units as follows :								
		71.0-73.5 - greywacke, fine gr. greenish-grey colour contains fine gr. mafic minerals, fairly sharp contacts with quartzite.								
		85.0-85.4 - Argillaceous gwcke-very fine gr. green streakly mafic minerals - upper contact sharp and at 35° to core axis.								
		93.0-93.9 - Argill.gwcke - same as above.								
		96.4-96.8 - Argill. gwcke-same, upper contact sharp at 50° to core axis, lower contact sharp at 30° to core axis.								
		130.6-130.9 Qtz. pebble conglom(gwcke matrix)rounded qtz. pebbles upto 0.8cm, diam. mainly 0.3 diam. in fine gr. green matrix containing streaky mafic minerals diss.py <1% in matrix, upper contact sharp at 50° to core axis.								
		138.0-143.0 Qtz. pebble congl(gwcke matrix)similar to above upper contact sharp at 30° to core axis, mafic minerals foliated at 30° to core aixs.								
		144.0-144.5 - Qtz. pebble congl. - similar to above.								
		145.8-147.2 " " " " " "								

12368	10.5	15.5	5	.16	.002	106		
12369	15.5	20.5	5	.30	.005			
12370	20.5	25.5	5	.20	.004			
12371	25.5	30.5	5	.03	.001	75		
12372	30.5	35.5	5	.04	NIL			
12373	35.5	40.5	5	.08	.002			
12374	40.5	45.5	5	.08	NIL	94		
12375	45.5	50.5	5	.01	.002			
12376	61.0	66.0	5	.03	.001	94		
12377	73.5	78.5	5	.03	NIL			
12378	125.9	130.9	5	.03	.002	95		
12379	150.8	155.8	5	.10	NIL			
12380	155.8	159.2	3.4	1.01	.006			
12381	159.2	164.2	5	1.20	.005	209		
12382	164.2	169.2	5	2.88	.080			
12383	169.2	174.2	5	.33	.004			
12384	174.2	179.2	5	.81	.007	144		
12385	179.2	184.2	5	.04	.004			
12382	184.2	189.2	5	3.22	.013			
12387	189.2	194.2	5	.37	NIL	90		
12388	262.0	267.0	5	.33	.004			
12389	267.0	270.7	3.7	.16	NIL	105		

DUPLICATE COPY  
 POOR QUALITY ORIGINAL  
 TO FOLLOW





#92 SUDBRAY  
#92 Sudbury

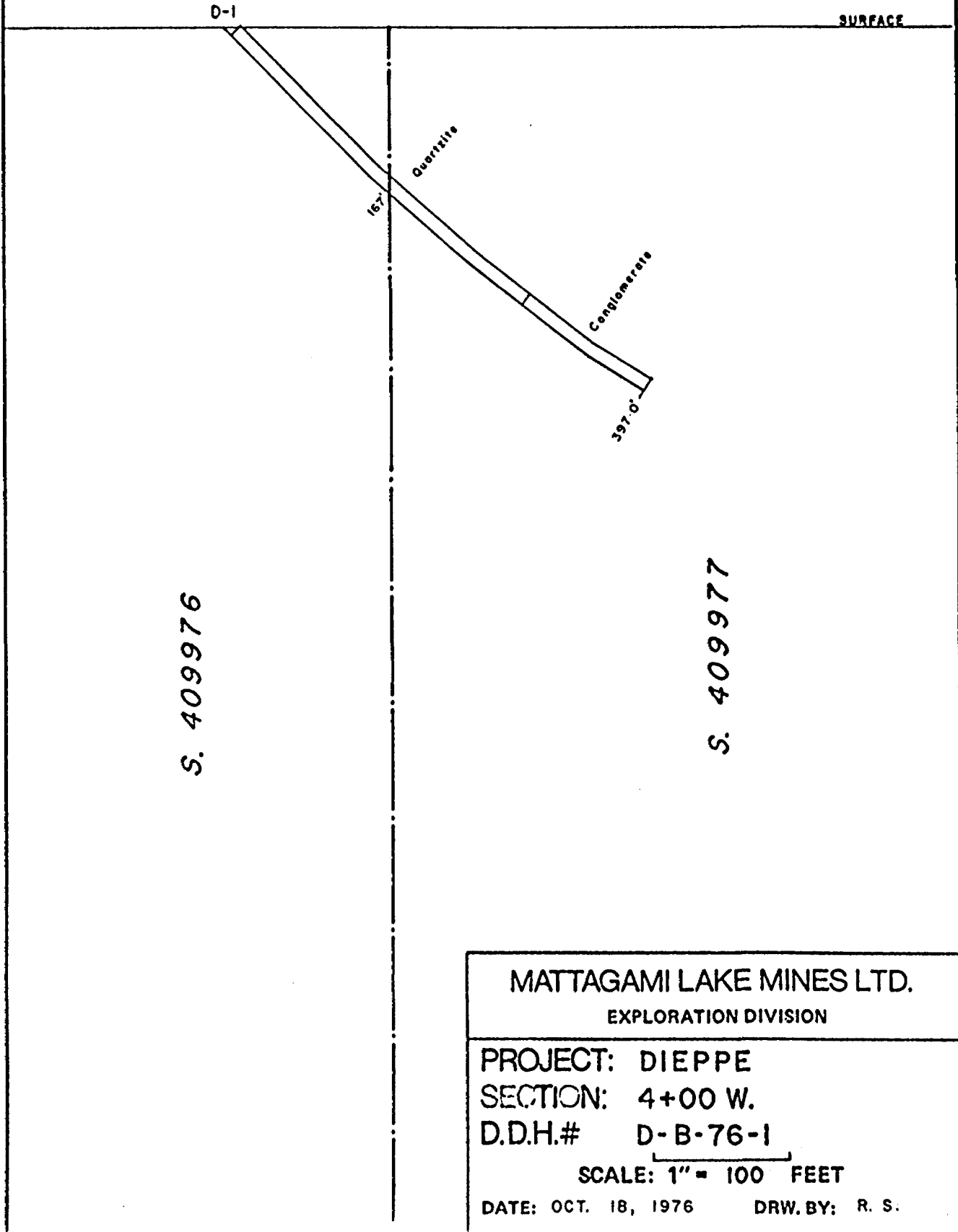
PROPERTY Delippe

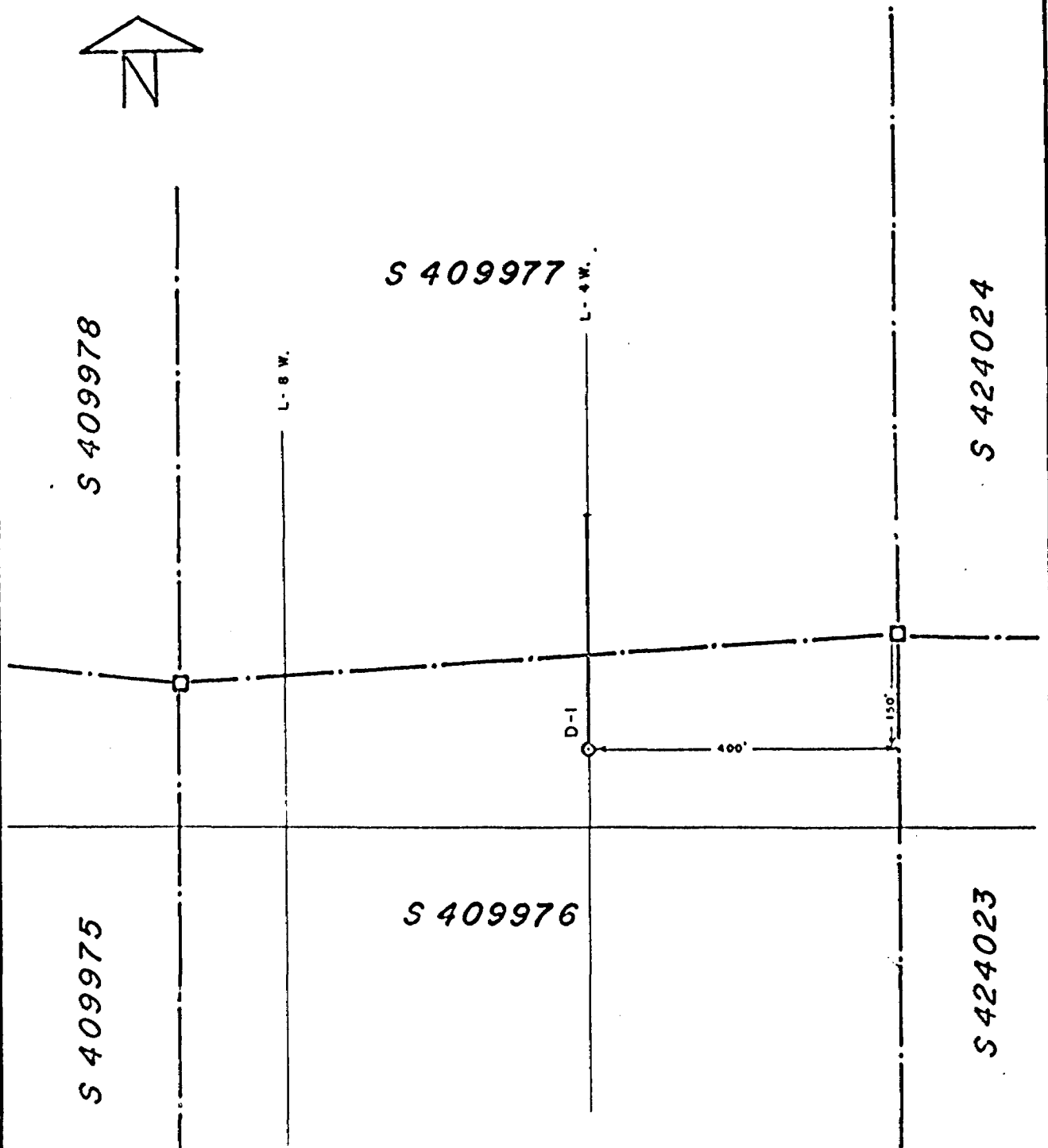
HOLE NO. D-B-76/1

Page 2

FOOTAGE		DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE			ASSAYS		
From	To				From	To	Length	Cu %	Au Oz/T	Ni PPM
		150.1-150.4- Qtz-pebble congl. -similar to above								
		152.3-154.5- " " " " " " upper contact sharp at 20° to core axis								
		155.8-159.2- Qtz. pebble congl. (gwcke matrix)-similar to above, qtzite boulders up to several cms. diam qtz. pebbles oriented at 50° to core axis.		12390	270.7	275.7	5'	.01	Nil	
		177.4-180.0- Qtz. pebble congl. (gwcke matrix)-same as above rounded qtz pebbles (0.3cm. diam) oriented at 50° to core axis, qtzite boulders up to 4 to 5 cms. diam.		12391	275.7	280.7	5'	.04	Nil	
		242.4-244.4- Greywacke-pale green, fine gr., numerous dark green, chlorite grains, & diss. py (<1%)								
		267.0-270.7- Qtz. pebble congl. (argill. gwcke matrix)-rounded to sub-angular qtz. pebbles & some large qtzite boulders up to 6" diam. in a laminated to foliated argill. gwcke matrix (interbanded black & green laminated 1mm. thickness, very fine gr., fine gr. (1mm. diam) smoky qtz crystals in matrix.								
		282.0-283.2- Qtzite containing smoky qtz. crystals								
		287.9-288.5- Qtz. pebble congl. (gwcke matrix)								
291.9	397.0	QUARTZ PEBBLE CONGLOMERATE(greywacke matrix)								
		Rounded qtz. pebbles mainly 0.3cm. diam., up to 2-3cm. diam., in fine gr. gwcke matrix, smoky qtz (1mm. diam.) in matrix is also a very few rounded pebbles of gwcke composition up to 1.5 cm. diam., no qtz. veining, few fractures, foliated at 45° to core axis near upper contact but massive throughout rest of unit. Pebbles make up about 5% of unit of most, rest is matrix, diss. py (<1%) in matrix.		12392	315.0	320.0	5'	.01	.003	80
		355.2-361.5- Impure qtzite-fine gr. qtz. with some mafic minerals								
	397.0	END OF HOLE								

NORTH →





MATTAGAMI LAKE MINES LTD.

EXPLORATION DIVISION

PROJECT: DIEPPE  
SECTION: 4+00 W.

D.D.H.# D-B-76-1

SCALE: 1" = 200 FEET

DATE: OCT. 18, 1976

DRW. BY: R. S.

WATTAGAMI LAKE MINES LIMITED - EXPLORATION DIVISION - DIAMOND DRILL HOLE RECORD

#121

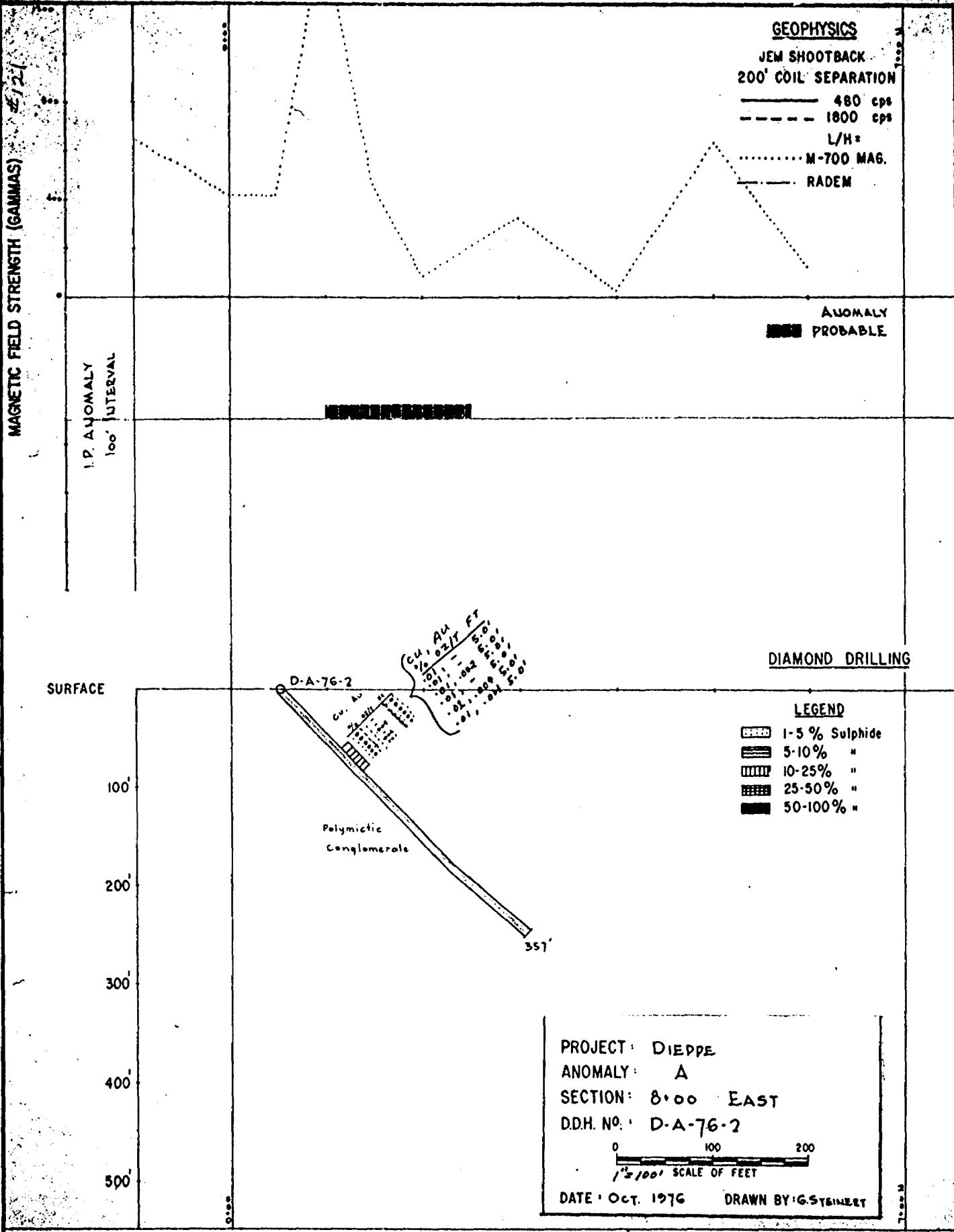
PROPERTY	Dieppe	LATITUDE	0+50N	STARTED	September 18, 1976	DIP TEST					
						Footage	Corrected	Footage	Corrected	Footage	Corrected
HOLE NO.	D-A-76/2	DEPARTURE	8+00E	FINISHED	September 23, 1976	100'	46°				
BEARING	Grid North	ELEVATION		LENGTH	357'	200'	44°				
DIP-COLLAR	-45°	SECTION	8+00E	LOGGED BY	G.Steinert	300'	41°				

FOOTAGE		DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE			ASSAYS			
From	To				From	To	Length	AU	CU	NI	
0.0	8.0	CASING (0' Overburden)									
8.0	357.0	POLYMICTIC CONGLOMERATE (Greywacke Matrix)									
		Similar to conglomerate encountered in D.D.H.No.D-B-76-1 but contains clasts of varying composition.		12393	87'	92'	5'	NIL	153	115	
		Clasts predominantly rounded qtz. pebbles mainly 0.3cm diam(upto max.10cms,diam., also minor argillite and greywacke clasts upto 3cm.diam, and one granitic clast containing mica.		12394	92'	97'	5'	NIL	124		
		Matrix is greywacke composition-green colour, smoky quartz grains 1mm, diam, diss. po < 1%		12395	97'	102'	5'	.002	122		
		No qtz. veining for most part and few fractures.		12396	102'	107'	5'	NIL	76	77	
		92.6-110.0 Silicified conglomerate-highly fractured & qtz. veining, trace po & cpy( < 1%)		12397	107'	112'	5'	.004	183		
		290.0-357' Clasts increase in diam. from maximum of 3.5cms above 290' to max. of 10 cms below 290'		12398	112'	117'	5'	.001	67		
357.0		END OF HOLE									

**DUPLICATE COPY  
POOR QUALITY ORIGINAL  
TO FOLLOW**







**GEOPHYSICS**

JEM SHOOTBACK  
200' COIL SEPARATION

- 480 cps
- 1800 cps
- L/H =
- ..... M-700 MAG.
- ..... RADEM

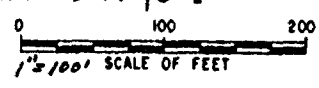
ANOMALY  
■ PROBABLE

**DIAMOND DRILLING**

**LEGEND**

- 1-5 % Sulphide
- ▨ 5-10 % "
- ▩ 10-25% "
- 25-50% "
- 50-100% "

PROJECT: DIEDDE  
ANOMALY: A  
SECTION: 8.00 EAST  
D.D.H. NO.: D-A-76-2  
DATE: OCT. 1976  
DRAWN BY: G. STEINERT



MAGNETIC FIELD STRENGTH (GAMMAS)

I.P. ANOMALY  
100' INTERVAL

SURFACE

100'  
200'  
300'  
400'  
500'

D-A-76-2

Polymictic  
Conglomerate

351'

Cu, Au  
 1/2 02/7 FT  
 .01 .02 .03 .04 .05 .06 .07 .08 .09 .10  
 .01 .02 .03 .04 .05 .06 .07 .08 .09 .10  
 .01 .02 .03 .04 .05 .06 .07 .08 .09 .10

INPUT SURVEY

MATTAGAMI LAKE MINES LTD.  
EXPLORATION DIVISION

#121

WATTAGAMI LAKE MINES LIMITED - EXPLORATION DIVISION - DIAMOND DRILL HOLE RECORD

PROPERTY	Dieppe	LATITUDE	6+00S	STARTED	September 24, 1976	DIP TEST					
						Footage	Corrected	Footage	Corrected	Footage	Corrected
HOLE NO.	D-A-76/3	DEPARTURE	9+00E	FINISHED	September 29, 1976	100'	-48°	386'	-40°		
BEARING	350°	ELEVATION	Surface	LENGTH	385	200'	-45°				
DIP-COLLAR	-45°	SECTION		LOGGED BY	G. Steinert	300'	-41°				

FOOTAGE		DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE			ASSAYS			
From	To				From	To	Length	CU	AU	NI	
0.0	28.0	CASING (Overburden 24.0')									
28.0	85.5	GREYWACKE: Dark green to grey, fine to med. gr. massive, composed of chlorite and quartz grains with trace carbonate, diss. py. in matrix (< 1%) - Cut by numerous thin white calcite veinlets mainly 1-3mm width to maximum 1cm, veins contain no sulphides, highly fractured, fractures filled with chlorite, diss. py. on fracture surfaces (< 1%) 77.5'-79.0 - highly broken core 79.0'-82.3' - ground core	< 1%								
85.5	99.2	CARBONATE: Upper contact gradual, buff colour, pure chlorite? flakes 2%, diss. py. < 1%, few specks cpy.	< 1%								
99.2	121.0	QUARTZITE: Light grey, quite pure, brecciated near upper contact, becomes massive at 116', diss. py in matrix and on fracture surfaces (< 1%)									
121.0	306.0	POLYMICTIC CONGLOMERATE: Typical greywacke matrix, dark green, numerous qtz. pebbles 0.3-0.5cm, diam. upto 2cms, diam. max also a few greywacke and argillite pebbles to 2cms, diam. matrix becomes siliceous around 276', fewer qtz. pebbles grades into quartzite at 306'-unit is highly fractured throughout, fractures filled with quartz or chlorite, contains blebs and stringers of po and py (< 1%) and few specks of cpy in places.	< 1%								
306.0	374.0	QUARTZITE: Pure, white, relict bedding? at 45° to 75° to core axis, barren of sulphides except for few py grains. 371-374'-interbanded qtzite and greywacke-thin units upto 3" thickness.	< 1%								
374.0	386.0	POLYMICTIC CONGLOMERATE (Greywacke matrix): Typical, numerous qtz. pebbles, few greywacke pebbles, few fractures containing quartz or chlorite diss. po and py (< 1%) on fracture surfaces.	< 1%								
386.0		END OF HOLE									

**DUPLICATE COPY  
POOR QUALITY ORIGINAL  
TO FOLLOW**

12399	168.0	173.0	5	.08	NIL	.02
12400	173.0	174.0	1	14	NIL	
9101	174.0	179.0	5	07	.002	
9102	195.0	200.0	5	04	NIL	
9103	200.0	204.0	4	.35	NIL	.02
9104	204.0	209.0	5	14	NIL	
9105	204.0	209.0	5	.01	NIL	
9106	289.0	291.5	2.5	.01	NIL	
9107	291.5	296.5	5		NIL	NIL

MATTAGANI LAKE MINES LIMITED - EXPLORATION DIVISION - DIAMOND DRILL HOLE RECORD #121

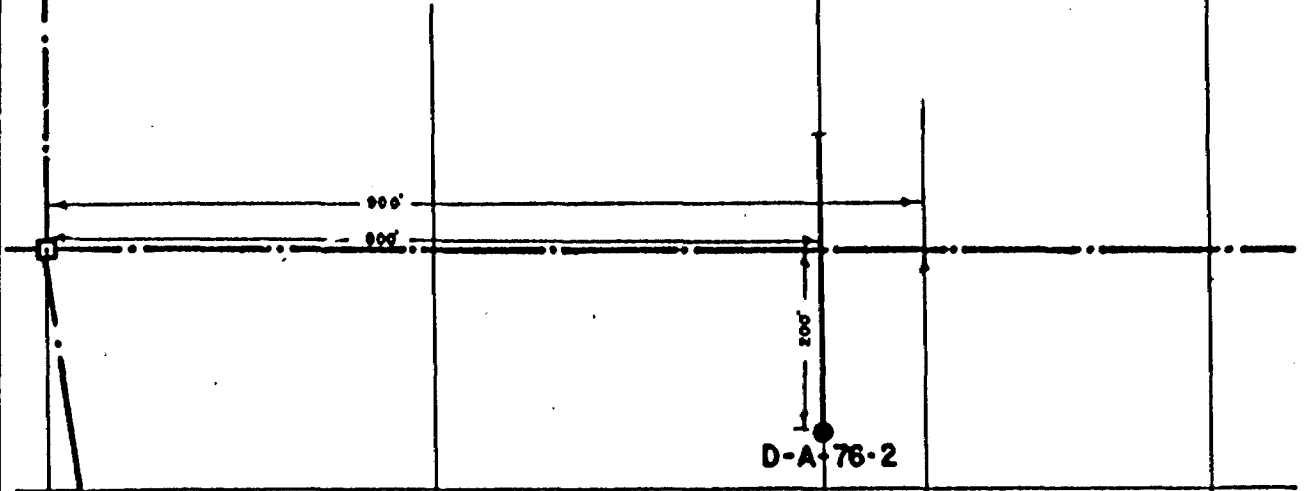
PROPERTY	DEPPE	LATITUDE	6400 S	STARTED	September 24, 1976	DIP TEST					
HOLE NO.	D-A-76/3	DEPARTURE	9+00 E	FINISHED	September 29, 1976	Footage	Corrected	Footage	Corrected	Footage	Corrected
BEARING	350°	ELEVATION	Surface	LENGTH	386.0	100'	-48°	386'	-40°		
DIP-COLLAR	-45°	SECTION		LOGGED BY	G. Steinhert	200'	-45°				
						300'	-41°				

FOOTAGE		DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE			ASSAYS			
From	To				From	To	Length	Cu	Ag	Ni	
0	28.0	CASING (Overburden 24')									
28.0	85.5	GREYWACKE									
		Dark green to grey, fine to med. gr., massive, composed of chlorite and quartz grains with trace carbonate, diss. py in matrix (< 1%).	< 1%								
		Cut by numerous thin white calcite veinlets mainly 1-3mm width to maximum 1cm., veins contain no sulphides. Highly fractured, fractures filled with chlorite, diss. py on fracture surfaces (< 1%).									
		77.5'-79.0' - highly broken core									
		79.0'-82.3' - ground core									
85.5	99.2	CARBONATE									
		Upper contact gradual; buff colour, pure, chlorite? flakes 2%, diss. py < 1%, few specks cpy.	< 1%								
99.2	121.0	QUARTZITE									
		Light grey, quite pure, brecciated near upper contact, becomes massive at 116', diss. py in matrix and on fracture surfaces (< 1%).	< 1%								
121.0	306.0	POLYMIC TIC CONGLOMERATE									
		Typical greywacke matrix, dark green; numerous qtz. pebbles 0.3-0.5cm. diam. up to 2cms. diam. max. also a few greywacke and argillite pebbles to 2cms. diam., matrix becomes siliceous around 276', fewer qtz. pebbles grades into quartzite at 306'.									
		-unit is highly fractured throughout, fractures filled with quartz or chlorite, contains blebs and stringers of po and py (< 1%) and few specks of cpy in places	< 1%								
				12399	168.0	173.0	5	.08	Nil	.02	
				12400	173.0	174.0	1	14	Nil		
				9101	174.0	179.0	5	.07	002		
				9102	195.0	200.0	5	.04	Nil		
				9103	200.0	204.0	4	.35	Nil	.02	
				9104	204.0	209.0	5	.14	Nil		
				9105	281.0	289.0	8	.01	Nil		
				9106	289.0	291.5	2.5	.01	001	Nil	
				9107	291.5	296.5	5	Nil	Nil		



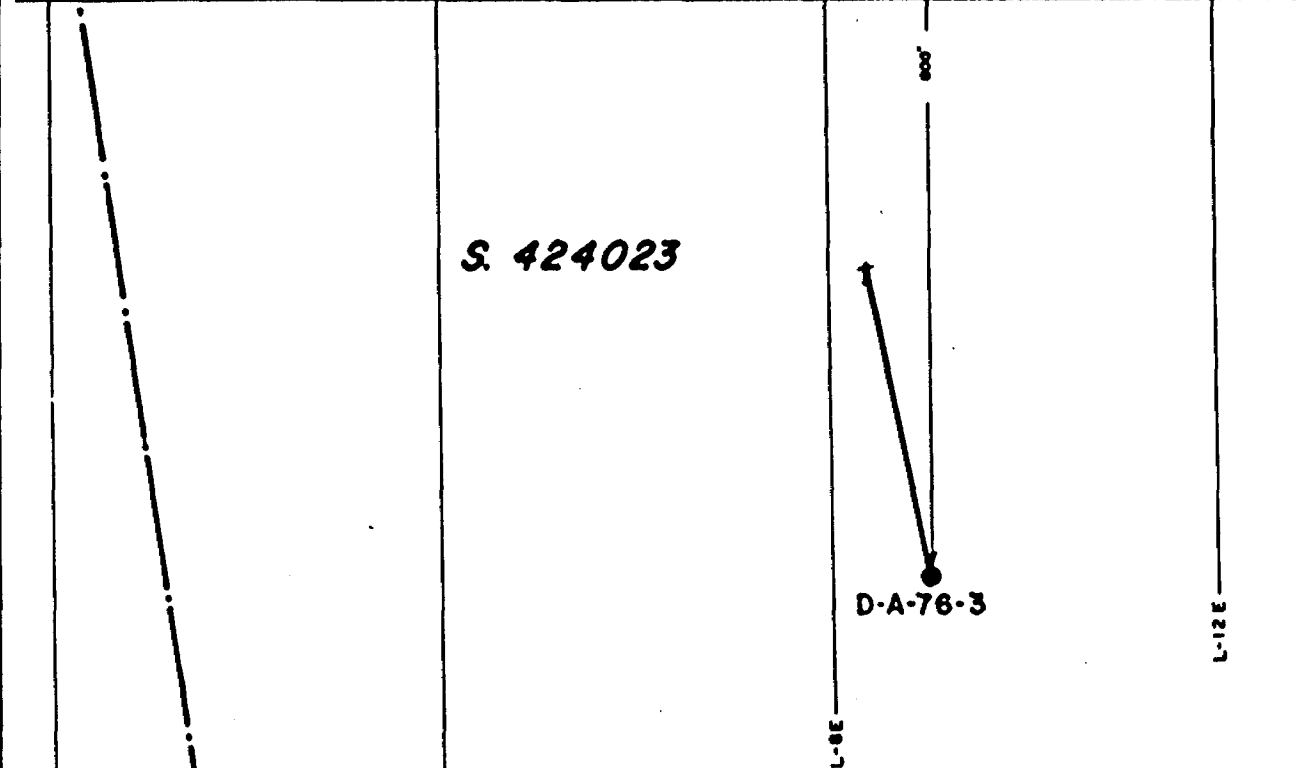


S. 424024



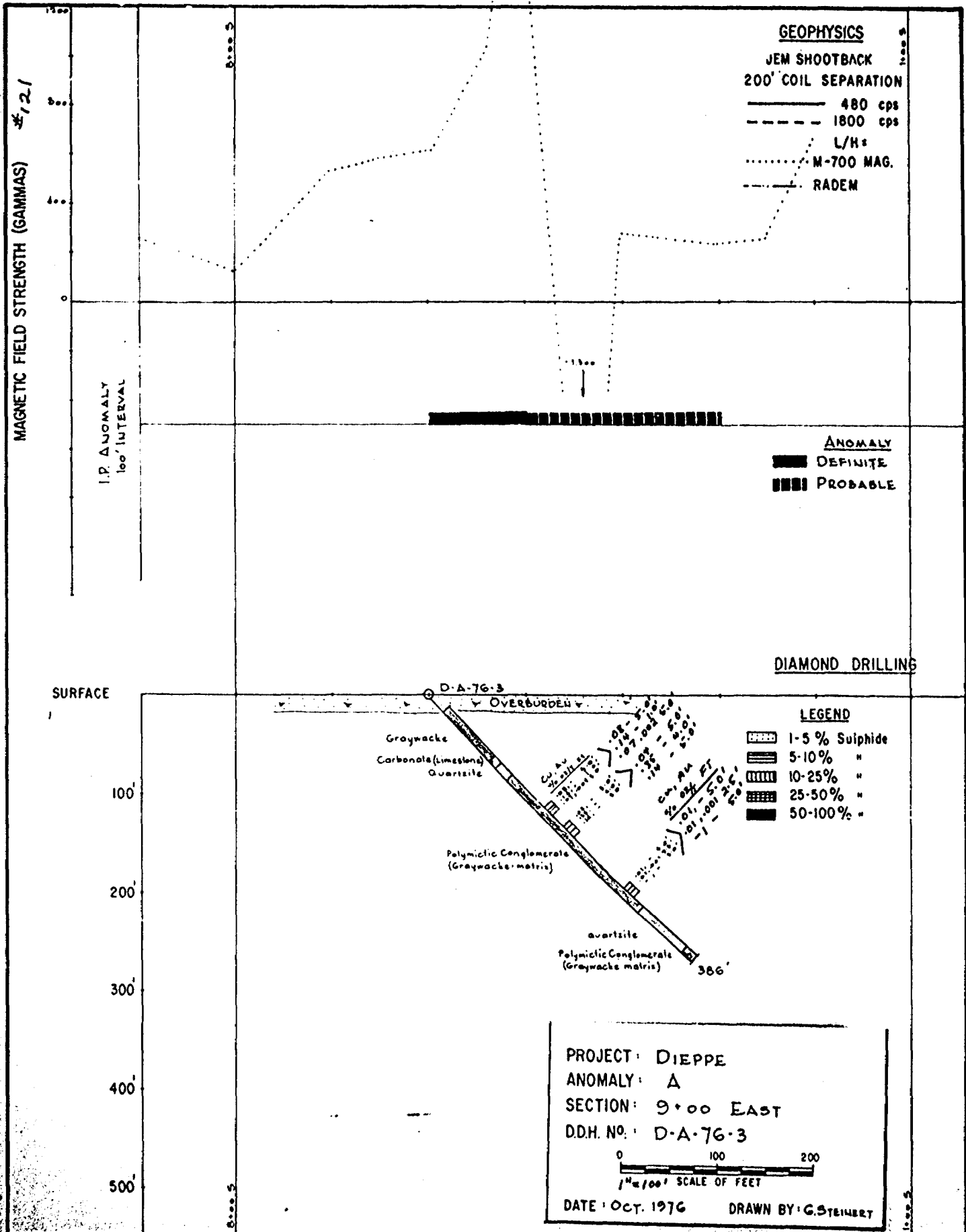
D-A-76-2

S. 424023



D-A-76-3

MATTAGAMI LAKE MINES LTD.  
EXPLORATION DIVISION  
PROJECT: DIEPPE  
LOCATION OF  
D.D.H.# D-A-76-2 & D-A-76-3  
SCALE: 1" = 200 FEET  
DATE: DEC. 20, 1976 DRW. BY: R.S.



MAGNETIC FIELD STRENGTH (GAMMAS) ±121

I.P. ANOMALY  
100' INTERVAL

**GEOPHYSICS**  
JEM SHOOTBACK  
200' COIL SEPARATION  
—— 480 cps  
- - - 1800 cps  
L/H:  
..... M-700 MAG.  
- - - RADEN

**ANOMALY**  
■ DEFINITE  
▨ PROBABLE

**DIAMOND DRILLING**

**LEGEND**  
▨ 1-5% Sulphide  
▨ 5-10% "  
▨ 10-25% "  
▨ 25-50% "  
■ 50-100% "

Graywacke  
Carbonate (Limestone)  
Quartzite

Polymictic Conglomerate  
(Graywacke matrix)

Quartzite  
Polymictic Conglomerate  
(Graywacke matrix)

386'

PROJECT: DIEPPE  
ANOMALY: A  
SECTION: 9.00 EAST  
DDH. NO.: D-A-76-3

0 100 200  
1" = 100' SCALE OF FEET

DATE: OCT. 1976 DRAWN BY: G. STEINERT

WATTAGAMI LAKE MINES LIMITED - EXPLORATION DIVISION - DIAMOND DRILL HOLE RECORD

PROPERTY	DIEPPE	LATITUDE	7+00S	STARTED	September 30, 1976	DIP TEST					
HOLE NO.	D-D/76-4	DEPARTURE	20+15E	FINISHED	October 4, 1976	Footage	Corrected	Footage	Corrected	Footage	Corrected
BEARING	Grid South	ELEVATION	Surface	LENGTH	380'	100'	-48°	380'	-45°		
DIP-COLLAR		SECTION		LOGGED BY		200'	-46°				
						300'	-46°				

FOOTAGE		DESCRIPTION	Mineralization	SAMPLE NO.	FOOTAGE			ASSAYS			
From	To				From	To	Length				
0.0	12.0	CASING (4' Overburden)									
12.0	16.0	<u>POLYMICTIC CONGLOMERATE (Greywacke Matrix):</u> Numerous rounded quartz pebbles mainly 0.3-0.5cm diam. (maximum 2cms.dia) and few granitic pebbles in a dark green to grey, fine gr.greywacke matrix. Massive unit, moderately fractured, minor barren quartz veinlets, diss.py ( < 1%)									
16.0	50.0	<u>POLYMICTIC CONGLOMERATE (Siliceous matrix):</u> Numerous rounded qtz. pebbles mainly 0.3-0.5cm.diam. and few granitic pebbles in a white to light grey, fine gr.siliceous matrix. Massive unit, highly fractured and qtz.veined producing a breccia, dis.py and po on fractures surfaces ( < 1%)									
50.0	108.0	<u>POLYMICTIC CONGLOMERATE (Siliceous greywacke matrix):</u> Typical (as described above)									
108.0	120.8	<u>POLYMICTIC CONGLOMERATE (Siliceous matrix):</u> Typical diss.py ( < 1%)									
120.8	149.0	<u>POLYMICTIC CONGLOMERATE (Greywacke matrix):</u> Typical, highly fractured, brecciated cut by qtz. veinlets, diss po & py ( < 1%) on fracture surfaces.									
149.0	153.5	<u>QUARTZITE:</u> Fine gr.white, pure									
153.5	222.0	<u>POLYMICTIC CONGLOMERATE (Greywacke Matrix):</u> Typical, highly fractured and cut by qtz. veins 200'-222'; thin interbanded units of conglomerate (siliceous gwke matrix-pale green colour) and gwke matrix dark green to grey colour. Units range from 1" to 6" in thickness. Contacts between units range from 75°-80° to core axis.									
222.0	226.2	<u>POLYMICTIC CONGLOMERATE (siliceous matrix):</u> Typical.									
226.2	228.5	<u>POLYMICTIC CONGLOMERATE (gwke, matrix) -</u> Typical upper contact at 45° to core axis, diss.py. ( < 1%) on chlorite-filled fracture surface.									
228.5	237.0	<u>FELDSPATHIC SANDSTONE OR QUARTZITE:</u> Fine gr. white, massive unit - 231.3': diss. po & py ( < 1%) speck of cpy.									

**DUPLICATE COPY  
POOR QUALITY ORIGINAL  
TO FOLLOW**



W.L.M. EXPLORATION DIVISION, D.D.M. RECORD

PROPERTY

HOLE NO. a.D.76/4

Page 2

FOOTAGE		DESCRIPTION	Microanalysis	SAMPLE NO.	FOOTAGE			ASSAYS (		
From	To				From	To	Length	CU	AU	NI
237.0	239.3	<u>POLYMICTIC CONGLOMERATE (siliceous matrix):</u> Typical, brecciated.								
239.3	283.0	<u>POLYMICTIC CONGLOMERATE (gwke matrix):</u> Typical, diss.po and py ( 1%) on fracture surfaces, few specks copy at 251' to 262.4'	<del>9108</del>	9108	245.0	250.0	5'	.04	NIL	
				9109	250.0	252.5	2.5'	.03	NIL	NIL
				9110	252.5	257.5	5'	.02	NIL	
283.0	285.0	<u>POLYMICTIC CONGLOMERATE (siliceous matrix)-Typical</u>		9111	257.5	262.5	5'	.04	NIL	
285.0	316.8	<u>POLYMICTIC CONGLOMERATE (Gwke-matrix):</u> Typical, heavy qtz.venining, idss.po and py ( 1%)		9112	262.5	267.5	5'	.04	.001	
316.8	329.5	<u>POLYMICTIC CONGLOMERATE (SILICEOUS MATRIX):</u> Typical - speck cpy. at 328'		9113	322.0	327.0	5'	.02	NIL	
329.5	367.0	<u>POLYMICTIC CONGLOMERATE (gwke matrix):</u> Typical. diss. po and py ( 1%)		9114	327.0	329.5	2.5'	.04	NIL	
367.0	380.0	<u>CALCAREOUS GREYWACKE</u> : Fine gr. dark grey massive, cut by thin white calcite veins.								
	380.0	END OF HOLE								

**DUPLICATE COPY  
POOR QUALITY ORIGINAL  
TO FOLLOW**







S. 437707

S. 424023

D-D-76-4

S. 437708

S. 424022

MATTAGAMI LAKE MINES LTD.

EXPLORATION DIVISION

PROJECT: DIEPPE  
LOCATION OF  
D.D.H.# D-D-76-4

SCALE: 1" = 200 FEET

DATE: DEC. 20, 1976 DRW. BY: R.S.

**GEOPHYSICS**

JEM SHOOTBACK

200' COIL SEPARATION

———— 480 cps

----- 1800 cps

L/H =

..... M-700 MAG.

——— RADEM

MAGNETIC FIELD STRENGTH (GAMMAS)

I.P. SURVEY

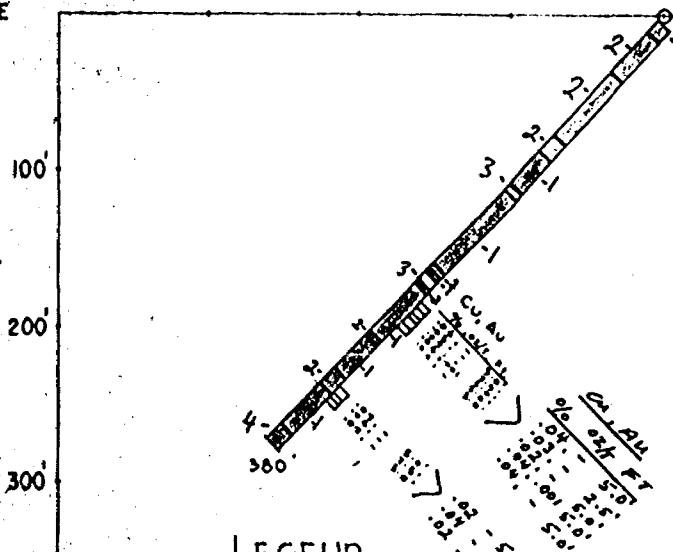
100' INTERVAL

ANOMALY  
 ■■■■ DEFINITE  
 ■■■■ PROBABLE

**DIAMOND DRILLING**

SURFACE

D-D-76-4



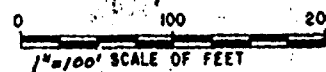
**LEGEND**

■ 1-5 % Sulphide  
 ■ 5-10% "  
 ■ 10-25% "  
 ■ 25-50% "  
 ■ 50-100% "

**LEGEND**

1- ■ Polymictic conglomerate (graywacke matrix)  
 2- ■ Polymictic conglomerate (siliceous matrix)  
 3- ■ Quartzite  
 4- ■ Calcareous graywacke

PROJECT: DIEPPE  
 ANOMALY: D  
 SECTION: 20+15 EAST  
 D.D.H. NO.: D-D-76-4



DATE: Oct. 1976 DRAWN BY: G. STEINERT.

# 121

INPUT SURVEY

MATTAGAMI LAKE MINES LTD.  
 EXPLORATION DIVISION

MATTAGAMI LAKE MINES LIMITED - EXPLORATION DIVISION - DIAMOND DRILL HOLE RECORD

#121

PROPERTY	Dieppe	LATITUDE	0+50S	STARTED	October 4, 1976	DIP TEST					
HOLE NO.	D-B-76/5	DEPARTURE	4+00W	FINISHED	October 13, 1976	Footage	Corrected	Footage	Corrected	Footage	Corrected
BEARING	Grid North	ELEVATION		LENGTH	567'	100'	-46°	400'	-37°		
DIP-COLLAR	-45°	SECTION	4+00W	LOGGED BY	G. Steinert	200'	-42°	500'	-35°		
						300'	-39°				

FOOTAGE		DESCRIPTION	MINERALIZATION	SAMPLE NO.	FOOTAGE			CU	AU	ASSAYS
From	To				From	To	Length			
0.0	16.0	CASING (14' Overburden)								
16.0	47.0	INTERBANDED CALCAREOUS GREYWACKE & QUARTZITE: Predominantly calcareous greywacke-fine gr. grey, highly fractured, fractures filled with quartz & calcite veinlets, fractures contain 1-2% py, 1% po and 1-2% cpy. minor qtzite, units 6" to 2' thick.		9122	16.0	21.0	5'	.25	NIL	
				9123	21.0	23.5	2.5'	.24	.005	
				9124	23.5	26.0	2.5'	.61	.002	
47.0	57.0	QUARTZITE: White, medium recrystallized quartz grains, fractured, diss. py & po 1% and cpy 1% on fracture surfaces.		9125	26.0	28.5	2.5'	.44	NIL	
				9126	28.5	31.0	2.5'	.69	.008	
57.0	61.0	GREYWACKE: Fine gr. grey fractured, diss. po 1% and cpy to 1% on fracture surfaces.		9127	31.0	33.5	2.5'	.48	.002	
61.0	63.0	QUARTZITE: White, fine to med. gr. fractured diss. copy 1%		9128	33.5	36.0	2.5'	.38	NIL	
63.0	87.0	IMPURE QUARTZITE: Fine gr. pale grey, quite siliceous, fractured diss. cpy 1% in matrix and along fractures, py+po 1%.		9129	36.0	38.5	2.5'	.27	NIL	
				9130	38.5	41.0	2.5'	.04	NIL	
87.0	407.0	QUARTZITE: Pure, white to pale grey, cut by numerous thin pale grey quartz veinlets.		9131	38.5	41.0	2.5'	.53	NIL	
				9132	43.5	47.0	3.5'	.80	.005	
407.0	567.0	Quartz pebble conglomerate (greywacke matrix) Minor amount of quartz pebbles (2%-10%) blue and white colours, mainly 0.3-0.5cm, diam. upto 1-2cm. diam. Matrix is dark green to grey, fine gr. contains smoky quartz & mafics.		9133	47.0	52.0	5'	.07	NIL	
				9134	52.0	57.0	5'	.24	NIL	
				9135	57.0	61.0	4'	.53	.004	
		447.5-450.3-quartz vein semi-parallel to core axis, contains diss. py, also diss. py in wall rock surrounding vein.		9136	61.0	63.0	2'	.27	NIL	
		452.8 Quartzite		9137	63.0	68.0	5'	.25	NIL	
		493.0-495.0: 3 solid stringers of po-cpy 1/2" to 1" wide		9138	68.0	73.0	5'	.03	.003	
		509.0-509.1: 1" wide po stringer with enclosed py nodules and trace cpy.		9139	73.0	78.0	5'	.08	NIL	
		532.8-533.0: py stringer 2" wide.		9140	78.0	83.0	5'	.03	NIL	
				9141	83.0	88.0	5'	.02	.002	
				9142	88.0	93.0	5'	.08	NIL	
				9143	93.0	98.0	5'	.04	NIL	
567.0		END OF HOLE.								

**DUPLICATE COPY  
POOR QUALITY ORIGINAL  
TO FOLLOW**

PROPERTY : DIEPPE

SHEET : 2

HOLE NO. : D-B-76/5

DUPLICATE COPY  
POOR QUALITY ORIGINAL

<u>SAMPLE NO.</u>	<u>FROM</u>	<u>To</u>	<u>LENGTH</u>	<u>CU</u>	<u>Au</u>	<u>NI</u>
9144	115.5	120.5	5'	.08	NIL	
9145	120.5	123.0	2.5'	.05	NIL	
9146	123.0	125.5	2.5'	.03	NIL	
9147	125.5	130.5	5'	.02	NIL	
9148	150.0	155.0	5'	.05	NIL	
9149	155.0	157.5	2.5'	.05	NIL	
9150	157.5	162.5	5'	.04	NIL	
9151	162.5	165.0	2.5'	.09	NIL	
9152	165.0	170.0	5'	.03	NIL	
9153	170.0	175.0	5'	.04	NIL	
9154	182.0	187.0	5'	.01	NIL	
9155	187.0	189.5	2.5'	.03	NIL	
9156	189.5	194.5	5'	.04	NIL	
9157	196.5	201.5	5'	.03	NIL	
9158	201.5	204.0	2.5'	10	NIL	
9159	204.0	209.0	5'	.04	NIL	
9160	225.5	230.5	5'	NIL	NIL	
9161	235.0	240.0	5'	.02	NIL	
9162	240.0	242.5	2.5'	.04	NIL	
9163	242.5	247.5	5'	.02	NIL	
9164	274.0	279.0	5'	.02	NIL	
9165	279.0	281.5	2.5'	.01	NIL	
9166	281.5	286.5	5'	.02	NIL	
9167	286.5	290.0	3.5'	.04	NIL	
9168	290.0	292.5	2.5'	.08	NIL	
9169	292.5	295.0	2.5'	.06	NIL	
9170	295.0	300.0	5'	.02	NIL	
9171	300.0	305.0	5'	.06	NIL	
9172	305.0	307.5	2.5'	.15	NIL	
9173	307.5	310.0	2.5'	.07	NIL	
9174	310.0	315.0	5'	.03	NIL	
9175	315.0	320.0	5'	.03	NIL	

PROPERTY : DIEPPE  
Hole : D-B-76/5

SHEET : 3

**DUPLICATE COPY**  
FOR QUALITY ORIGINAL

<u>SAMPLE #</u>	<u>FROM</u>	<u>TO</u>	<u>LENGTH</u>	<u>CU</u>	<u>AU</u>	<u>NI</u>
9176	320.0	325.0	5'	.01	NIL	
9177	325.0	330.0	5'	.01	NIL	
9178	330.0	332.5	2.5'	.06	NIL	
9179	332.0	337.5	5'	.02	NIL	
9180	337.5	342.5	5'	.03	NIL	
9181	342.5	347.5	5'	NIL	NIL	
9182	347.5	352.5	5'	NIL	NIL	
9183	352.5	355.0	2.5'	NIL	NIL	
9184	355.0	360.0	5'	NIL	NIL	
9185	367.5	372.5	5'	NIL	NIL	
9186	372.5	375.0	2.5'	NIL	NIL	
9187	375.0	380.0	5'	NIL	NIL	
9188	391.5	396.6	5'	NIL	NIL	
9189	400.0	402.5	2.5'	.05	NIL	
9190	402.5	405.0	2.5'	NIL	NIL	
9191	405.0	410.0	5'	.03	NIL	
9192	396.5	400.0	3.5'	.03	NIL	
9193	410.0	412.5	2.5'	.17	NIL	
9194	412.5	415.0	2.5'	.07	NIL	
9195	415.0	417.5	2.5'	.30	NIL	
9196	417.5	420.5	2.5'	.28	.003	
9197	420.0	422.5	2.5'	.16	.002	
9198	422.5	426.0	3.5'	.16	.002	
9199	426.00	428.5	2.5'	.35	.005	
9200	428.5	431.0	2.5'	.77	.011	
9201	431.0	433.5	2.5'	.71	.010	
9202	433.5	436.0	2.5'	.44	.003	
9203	436.0	441.0	5'	.09	.002	
9204	442.0	447.0	5'	NIL	NIL	
9205	447.0	449.5	2.5'	.01	.003	
4662	449.5	452.0	2.5'	.04	NIL	
4663	452.0	457.0	5'	.01	.002	



PROPERTY : Dieppe

Sheet : 4

Hole : D-B-76/5

SAMPLE #	FROM	TO	LENGTH	CU	AU	NI
4664	457.0	462.0	5'	.05	NIL	
4665	462.0	467.0	5'	.04	NIL	
4666	467.0	472.0	5'	.03	NIL	
4667	472.0	477.0	5'	.02	NIL	
4668	477.0	482.0	5'	.04	NIL	
4669	482.0	489.0	5'	NIL	.02	
4670	487.0	492.0	5'	.14	NIL	
4671	492.0	494.5	2.5'	1.07	.006	.04
4672	494.5	497.0	2.5'	.74	.007	
4673	497.0	499.5	2.5'	.54	.004	
4674	499.5	502.0	2.5'	.38	.003	
4675	502.0	504.5	2.5'	.24	.003	
4676	504.5	507.0	2.5'	.24	.003	
4677	507.0	509.5	2.5'	.50	.005	NIL
4678	509.5	512.0	2.5'	.33	.003	
4679	512.0	517.0	5'	.05	NIL	.01
4680	517.0	522.0	5'	.08	NIL	
4681	522.0	527.0	5'	.05	NIL	.01
4682	527.0	532.0	5'	.03	NIL	
4683	532.0	534.5	2.5'	.05	.003	.03
4684	534.0	537.0	2.5'	.15	.004	.01
4685	537.0	542.0	5'	.07	NIL	
4686	542.0	547.0	5'	.04	NIL	
4687	547.0	552.0	5'	.09	NIL	.01
4688	552.0	557.0	5'	.05	NIL	
4689	557.0	562.0	5'	.04	NIL	
4690	562.0	567.0	5'	.04	NIL	

**DUPLICATE COPY  
POOR QUALITY ORIGINAL  
TO FOLLOW**

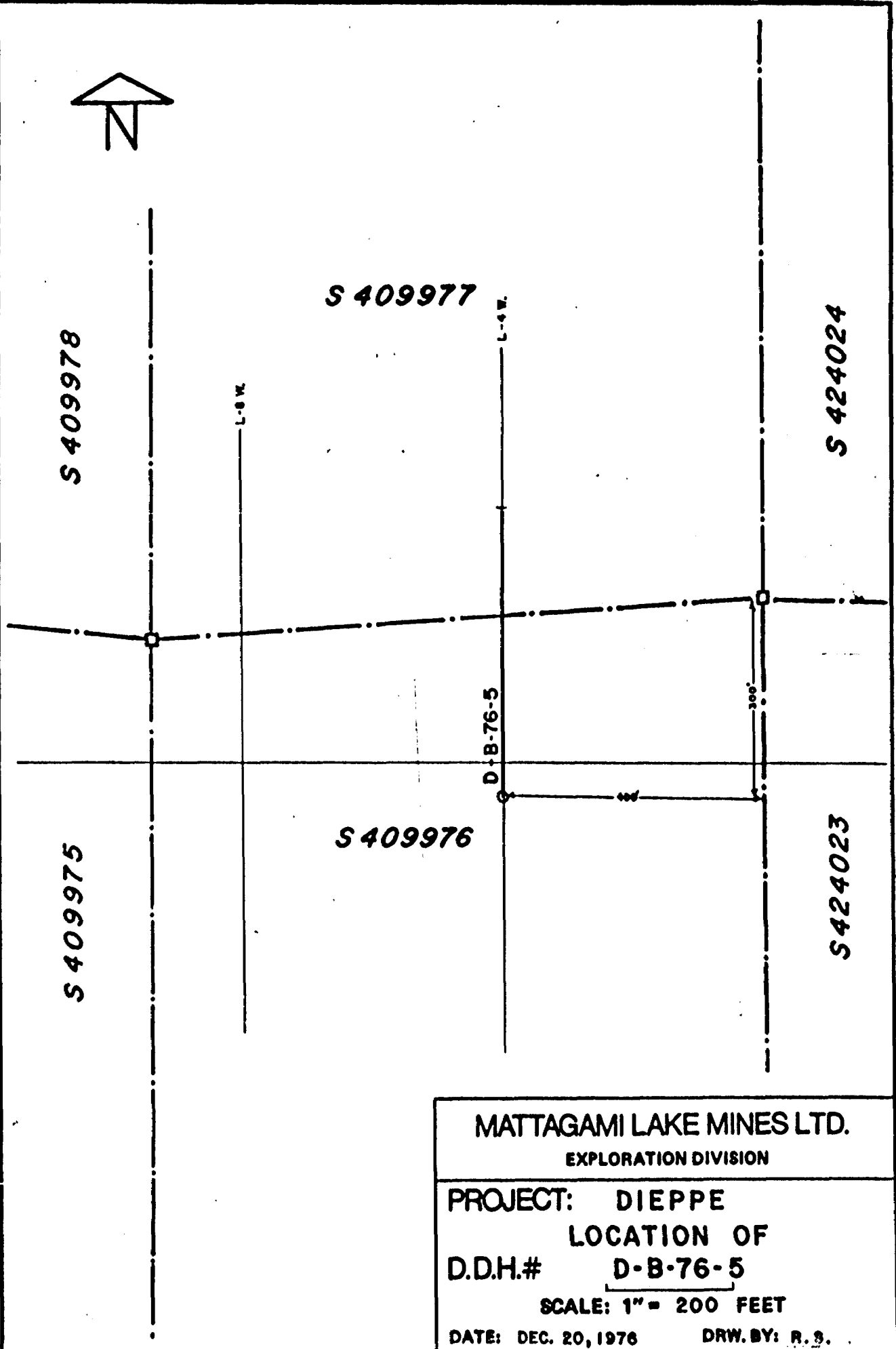
MATTAGAMI LAKE MINES LIMITED - EXPLORATION DIVISION - DIAMOND DRILL HOLE RECORD #121

PROPERTY	DIEPPE	LATITUDE	0+50 S	STARTED	October 4, 1976	DIP TEST					
HOLE NO.	D-B-76/5	DEPARTURE	4+00 W	FINISHED	October 13, 1976	Footage	Corrected	Footage	Corrected	Footage	Corrected
BEARING	Grid North	ELEVATION		LENGTH	567.0'	100'	-46°	400'	-37°		
DIP-COLLAR	45°	SECTION	4+00 W	LOGGED BY	G. Steinert	200'	-42°	500'	-35°		
						300'	-39°				

FOOTAGE		DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE			ASSAYS	
From	To				From	To	Length	Cu	Au
0	16.0	CASING (14' of overburden)							
16.0	47.0	INTERBANDED CALCAREOUS GREYWACKE & QUARTZITE		9122	16.0	21.0	5'	.25	Nil
		Predominantly calcareous greywacke-fine gr., grey, highly fractured, fractures filled with quartz & calcite veinlets, fractures contain 1-2% py, 1% p, and <1-2% cpy; minor qtzite, units 6" to 2' thick.		9123	21.0	23.5	2.5'	.24	.005
				9124	23.5	26.0	2.5'	.61	.002
				9125	26.0	28.5	2.5'	.44	Nil
				9126	28.5	31.0	2.5'	.69	.008
				9127	31.0	33.5	2.5'	.48	.002
				9128	33.5	36.0	2.5'	.38	Nil
				9129	36.0	38.5	2.5'	.27	Nil
				9130	38.5	41.0	2.5'	.04	Nil
				9131	38.5	41.0	2.5'	.53	Nil
				9132	43.5	47.0	3.5'	.80	.005
47.0	57.0	QUARTZITE							
		White, medium recrystallized quartz grains, fractured, diss. py & po to 1% and cpy <1% on fracture surfaces		9133	47.0	52.0	5'	.07	Nil
				9134	52.0	57.0	5'	.24	Nil
57.0	61.0	GREYWACKE							
		Fine gr., gray fractured, diss. po <1% and cpy to 1% on fracture surfaces.		9135	57.0	61.0	4'	.53	.004
61.0	63.0		QUARTZITE		9136	61.0	63.0	2'	.27
		White, fine to med. gr., fractured, diss. cpy <1%							
63.0	87.0	IMPURE QUARTZITE		9137	63.0	68.0	5'	.25	Nil
		Fine gr., pale grey, quite siliceous, fractured, diss. cpy <1% in matrix and along fractures, py + po 1%.		9138	68.0	73.0	5'	.03	.003
				9139	73.0	78.0	5'	.08	Nil
87.0	407.0		QUARTZITE		9140	98.0	103.0	5'	.03
		Pn.a, white to pale grey, cut by numerous thin pale grey quartz veinlets		9141	103.0	105.5	2.5'	.02	.002
				9142	105.5	110.5	5'	.08	Nil
				9143	110.5	115.5	5'	.04	Nil
				9144	115.5	120.5	5'	.08	Nil
				9145	120.5	123.0	2.5'	.05	Nil
				9146	123.0	125.5	2.5'	.03	Nil
				9147	125.5	130.5	5'	.02	Nil
				9148	150.0	155.0	5'	.05	Nil
				9149	155.0	157.5	2.5'	.05	Nil

FOOTAGE		DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE			ASSAYS		
From	To				From	To	Length	Cu	Au	NI
				9150	157.5	162.5	5'	.04	Nil	
				9151	162.5	165.0	2.5'	.09	Nil	
				9152	165.0	170.0	5'	.03	Nil	
				9153	170.0	175.0	5'	.04	Nil	
				9154	182.0	187.0	5'	.01	Nil	
				9155	187.0	189.5	2.5'	.03	Nil	
				9156	189.5	194.5	5'	.04	Nil	
				9157	196.5	201.5	5'	.03	Nil	
				9158	201.5	204.0	2.5'	.10	Nil	
				9159	204.0	209.0	5'	.04	Nil	
				9160	225.5	230.5	5'	Nil	Nil	
				9161	235.0	240.0	5'	.02	Nil	
				9162	240.0	242.5	2.5'	.04	Nil	
				9163	242.5	247.5	5'	.02	Nil	
				9164	274.0	279.0	5'	.02	Nil	
				9165	279.0	281.5	2.5'	.01	Nil	
				9166	281.5	286.5	5'	.02	Nil	
				9167	286.5	290.0	3.5'	.04	Nil	
				9168	290.0	292.5	2.5'	.08	Nil	
				9169	292.5	295.0	2.5'	.06	Nil	
				9170	295.0	300.0	5'	.02	Nil	
				9171	300.0	305.0	5'	.06	Nil	
				9172	305.0	307.5	2.5'	.15	Nil	
				9173	307.5	310.0	2.5'	.07	Nil	
				9174	310.0	315.0	5'	.03	Nil	
				9175	315.0	320.0	5'	.03	Nil	
				9176	320.0	325.0	5'	.01	Nil	
				9177	325.0	330.0	5'	.01	Nil	
				9178	330.0	332.5	2.5'	.06	Nil	
				9179	332.5	337.5	5'	.02	Nil	
				9180	337.5	342.5	5'	.03	Nil	
				9181	342.5	347.5	5'	Nil	Nil	
				9182	347.5	352.5	5'	Nil	Nil	
				9183	352.5	355.0	2.5'	Nil	Nil	
				9184	355.0	360.0	5'	Nil	Nil	
				9185	367.5	372.5	5'	Nil	Nil	
				9186	372.5	375.0	2.5'	Nil	Nil	
				9187	375.0	380.0	5'	Nil	Nil	
				9188	391.5	396.6	5'	Nil	Nil	
				9189	400.0	402.5	2.5'	.05	Nil	
407.0	567.0	Quartz pebble conglomerate (greywacke matrix)		9190	402.5	405.0	2.5'	Nil	Nil	
		Minor amount of quartz pebbles (2%-10%), blue and white		9191	405.0	410.0	5'	.03	Nil	
		colours, mainly 0.3-0.5 cm. diam., up to 1-2 cm. diam.		9192	396.5	400.0	3.5'	.03	Nil	
		also very few granitic pebbles.		9193	410.0	412.5	2.5'	.17	Nil	
		Matrix is dark green to grey, fine gr., contains		9194	412.5	415.0	2.5'	.07	Nil	
		smoky quartz and mafics.		9195	415.0	417.5	2.5'	.30	Nil	
				9196	417.5	420.0	2.5'	.28	.003	
				9197	420.0	422.5	2.5'	.16	.002	
				9198	422.5	426.0	3.5'	.16	.002	
				9199	426.0	428.5	2.5'	.35	.005	
				9200	428.5	431.0	2.5'	.77	.011	
				9201	431.0	433.5	2.5'	.71	.010	
				9202	433.5	436.0	2.5'	.44	.003	





MATTAGAMI LAKE MINES LTD.  
EXPLORATION DIVISION  
PROJECT: DIEPPE  
LOCATION OF  
D.D.H.# D-B-76-5  
SCALE: 1" = 200 FEET  
DATE: DEC. 20, 1976 DRW. BY: R. S.

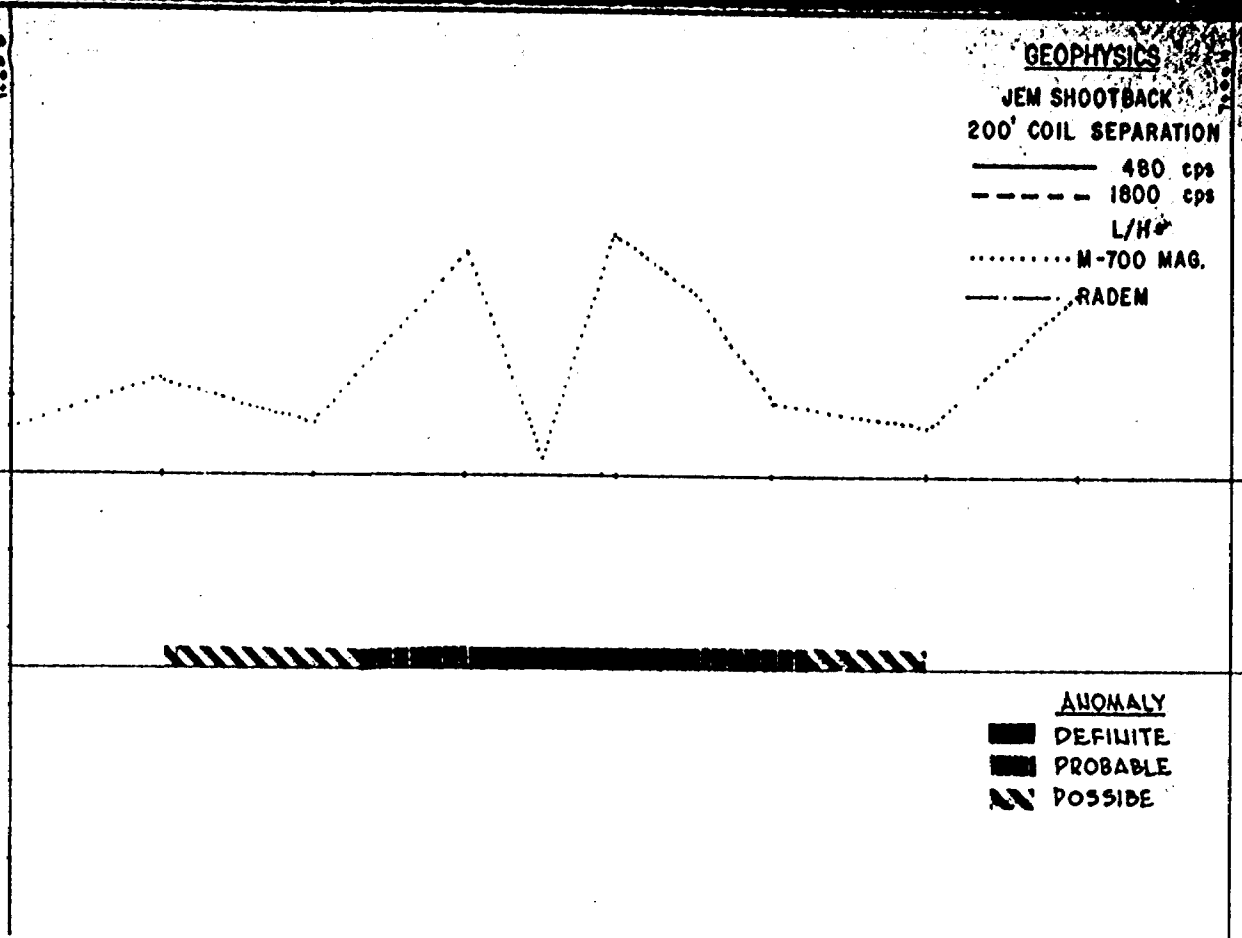
MAGNETIC FIELD STRENGTH (GAMMAS)

121

**GEOPHYSICS**

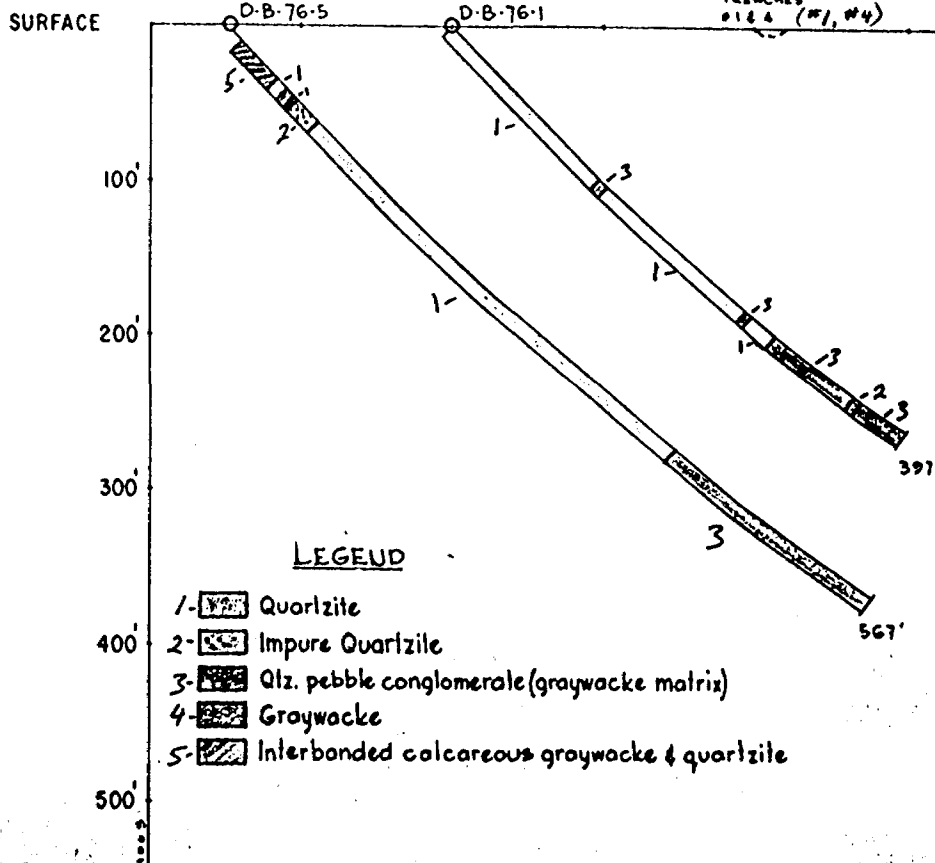
JEM SHOOTBACK  
 200' COIL SEPARATION  
 ——— 480 cps  
 - - - - 1800 cps  
 L/H\*  
 ..... M-700 MAG.  
 ——— RADEM

I.P. SURVEY  
100' INTERVAL



**ANOMALY**  
 ■ DEFINITE  
 ■ PROBABLE  
 ▨ POSSIBLE

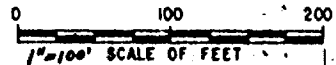
**DIAMOND DRILLING**



**LEGEND**  
 [Pattern] 1-5 % Sulphide  
 [Pattern] 5-10% "  
 [Pattern] 10-25% "  
 [Pattern] 25-50% "  
 [Pattern] 50-100% "

**LEGEND**  
 1- [Pattern] Quartzite  
 2- [Pattern] Impure Quartzite  
 3- [Pattern] Qtz. pebble conglomerate (graywacke matrix)  
 4- [Pattern] Graywacke  
 5- [Pattern] Interbedded calcareous graywacke & quartzite

PROJECT: DIEPPE  
 ANOMALY: B  
 SECTION: 4+00 WEST  
 D.D.H. NO.: D-B-76-1 & 5  
 DATE: Oct. 1976  
 DRAWN BY: G. STUBBS



INPUT SURVEY

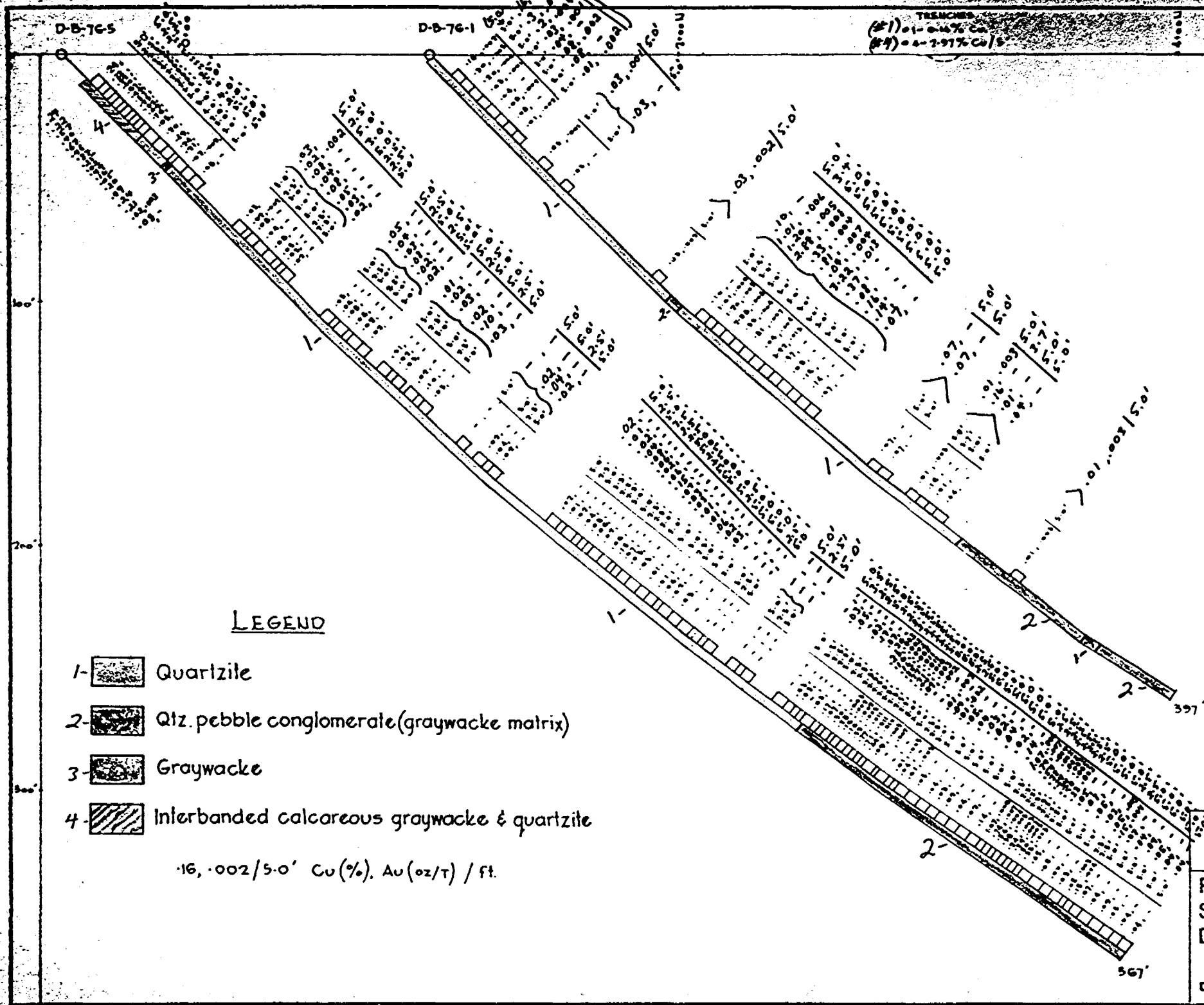
MATTAGAMI LAKE MINES LTD.  
EXPLORATION DIVISION

#121

TRENCHES  
(#1) 01-04% Cu  
(#2) 04-79% Cu

D-B-76-5

D-B-76-1



LEGEND

- 1- [Pattern] Quartzite
- 2- [Pattern] Qtz. pebble conglomerate (graywacke matrix)
- 3- [Pattern] Graywacke
- 4- [Pattern] Interbanded calcareous graywacke & quartzite

16.002/5.0' Cu(%) Au(oz/T) / ft.

MATTAGAMI LAKE MINES LTD.  
EXPLORATION DIVISION  
PROJECT: DIEPPE  
SECTION: 4+00 WEST  
D.D.H.# D-B-76-1 & 5  
SCALE: 1" = 40 FEET  
DATE: Oct. 1976      DRW. BY: G. STINEBT

MSB 8-70

WATTAGAMI LAKE MINES LIMITED - EXPLORATION DIVISION - DIAMOND DRILL HOLE RECORD

PROPERTY	DIEPPE	LATITUDE	0+50S	STARTED	October 14, 1976	DIP TEST					
HOLE NO.	D-B-76/6	DEPARTURE	2+20W	FINISHED	October 20, 1976	Footage	Corrected	Footage	Corrected	Footage	Corrected
BEARING	20°	ELEVATION	Surface	LENGTH	477'	100'	-49°	400'	-46°		
DIP-COLLAR	-45°	SECTION	2+20W	LOGGED BY	G.Steinert	200'	-48°	477'	-45°		
						300'	-46°				

FOOTAGE		DESCRIPTION	% Maceralization	SAMPLE NO.	FOOTAGE			ASSAYS			
From	To				From	To	Length	CU	AU	NI	
0.0	10.0	CASING (0' of overburden)									
10.0	139.0	<p><u>QUARTZITE</u> : Fine gr.pale grey to white, recrystallized, highly fractured and cut by thin qtz.veins, fractures filled with chlorite and contain diss. po and py along fractures surfaces ( &lt; 1%)</p> <p>10.0' - py stringer                      22.0' - po blebs 1%                      63.6' - cpy-po filled fractures (1% sulphides)                      131.0' - few specks cpy on fracture surface.</p> <p>Pale green, fine gr. siliceous brecciated zones, foilated at 45°-85° to core axis, contains chlorite minerals 0.1-0.2cm diam. highly fractured(chlorite-filled)diss. py &lt; 1%,contains many pale grey quartzite fragments upto 2cms,diam. these breccia zones occur at 25.0'-32.8', 36.0-37.0 38.3'-42.3', 44.7'-45.5', 47.0-49.5', 58.0-59.0', 63.7-64.5' 90.9-92.0', 93.0-94.2', 95.6'-95.8', 101.6'-102.6', 113.0-113.8' 34.8' of ground core</p>									
139.0	477.0	<p><u>INTERBANDED QUARTZITE AND FELDSPATHIC</u> : Sandstone to greywacke Quartzite - similar to above. Feldss. to greywacke, fine gr. med. to dark grey, massive highly fractured (chlorite-filled) diss.py 1% on fractures.</p> <p>139.0-152.0 - Fd ss to gwke                      152.0-157.2 - Qtzite(diss.po 1% and few specks cpy at 156.5)                      157.2-158.5 - Fd.ss to gwke.                      158.5-167.3 - Qtzite                      167.3-171.0 - Fd. ss to gwke                      171.0-172.0 - Qtzite                      172.0-173.0 - Fd. ss. to gwke                      173.0-175.0 - Lost core</p>									
				4691	10.0	15.0	5'	.04	NIL	.01	
				4692	15.0	20.0	5'	NIL	NIL		
				4693	20.0	25.0	5'	NIL	NIL	.01	
				4694	58.0	63.0	5'	NIL	NIL		
				4695	63.0	65.5	2.5'	.17	NIL	.02	
				4696	65.5	70.5	5'	NIL	.003		
				4697	129.0	134.0	5'	NIL	NIL		
				4698	151.0	156.0	5'	NIL	.002		
				4699	156.0	158.5	2.5'	NIL	NIL	.01	
				4700	158.5	163.5	5'	NIL	NIL		
				9238	172.0	177.0	5'	.01	NIL		
				9239	215.0	220.0	5'	NIL	NIL		
				9240	220.0	222.5	2.5'	NIL	NIL	.01	
				9241	222.5	227.5	5'	NIL	NIL		
				9242	255.0	260.0	5'	NIL	NIL		
				9243	260.0	262.5	2.5'	.02	NIL	.01	
				9244	262.5	267.5	5'	NIL	NIL		
				9245	267.5	272.5	5'	NIL	NIL		
				9246	272.5	277.5	5'	NIL	NIL		
				9247	277.5	282.5	5'	.01	NIL	.01	
				9248	282.5	287.5	5'	.05	.002	.01	
				9249	287.5	292.5	5'	.03	NIL	.01	

**DUPLICATE COPY  
POOR QUALITY ORIGINAL**



M.L.M. EXPLORATION DIVISION, O.D.N. RECORD

FOOTAGE		DESCRIPTION	% Mineralization	PROPERTY SAMPLE NO.	FOOTAGE			MOLE NO.	Page	ASSAYS (
From	To				From	To	Length			
	175.0-183.0	- Qtzite(diss po 1% at 176.0)								
	183.0-194.5	- Fd ss to gwke								
	194.5-218.5	- Qtzite								
	218.5-220.0	- Fd ss to gwke								
	220.0-249.0	- Qtzite(diss.po and pyl% and few specks cpy at 220.8)								
	249.0-254.7	- Fd. ss to gwke								
	254.7-263.0	- Qtzite(po filled fractures and few specks cpy at 261.0'-262.0)								
	263.0-267.0	Fd ss to gwke								
	267.0-375.5	Qtzite(numerous cross-cutting fractures filled with po from 280.0-281.5 and fractures filled with po and py (1-2%)and cpy( 0.5%)at 285.0-291.0'								
	375.5-378.0	Fd ss to gwke								
	378.0-446.0	Qtzite								
	446.0-451.0	Fd ss to gwke								
	451.0-453.5	Qtzite								
	453.5-456.0	Fd ss to gwke								
	456.0-461.0	Qtzite								
	461.0-463.0	Fd ss to gwke								
	463.0-468.5	Qtzite								
	468.5-475.5	Fd ss to gwke								
	475.5-477.0	Qtzite								
477.0	END OF HOLE									

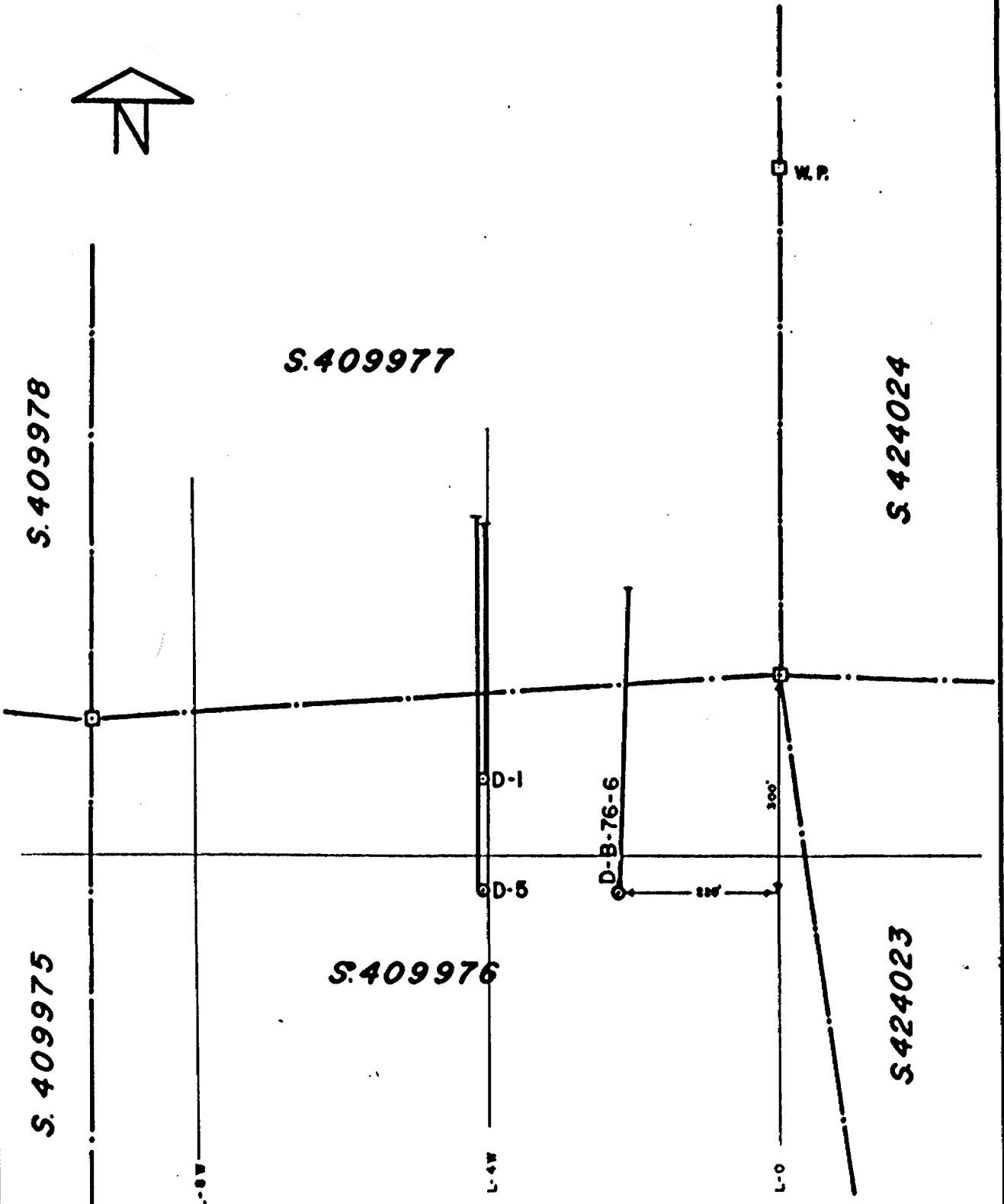
**DUPLICATE COPY  
POOR QUALITY ORIGINAL  
TO FOLLOW**

WATTAGAMI LAKE MINES LIMITED - EXPLORATION DIVISION - DIAMOND DRILL HOLE RECORD #121

PROPERTY	DIEPPE	LATITUDE	0+50 S	STARTED	October 14, 1976	DIP TEST					
HOLE NO.	D-B-76/6	DEPARTURE	2+20 W	FINISHED	October 20, 1976	Footage	Corrected	Footage	Corrected	Footage	Corrected
BEARING	2°	ELEVATION	Surface	LENGTH	477'	100'	-49°	400'	-46°		
DIP-COLLAR	-45°	SECTION	2+20 W	LOGGED BY	G. Steinert	200'	-48°	477'	-45°		
						300'	-46°				

FOOTAGE		DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE			ASSAYS			
From	To				From	To	Length	Cu	Ag	Ni	
0	10.0	CASING (0' of overburden)									
10.0	139.0	QUARTZITE		4691	10.0	15.0	5'	.04	Nil	.01	
		Fine gr., pale grey to white, recrystallized, highly fractured and cut by thin qtz. veins, fractures filled with chlorite and contain diss. po and py along fracture surfaces (< 1%).		4692	15.0	20.0	5'	Nil	Nil	.01	
				4693	20.0	25.0	5'	Nil	Nil	.01	
				4694	58.0	63.0	5'	Nil	Nil		
				4695	63.0	65.5	2.5'	.17	Nil	.02	
				4696	65.5	70.5	5'	Nil	.003		
				4697	129.0	134.0	5'	Nil	Nil		
		10.0' - py stringer									
		22.0' - po blabs 1%									
		63.6' - cpy-po Filled fractures (1% sulfides)									
		131.0' - few specks cpy on fracture surface									
		Pale green, fine gr., siliceous brecciated zones, foliated at 45° - 85° to core axis, contains chlorite minerals 0.1-0.2 cm. diam., highly fractured (chlorite-filled) diss. py < 1%, contains many pale grey quartzite fragments up to 2cms. diam. - these breccia zones occur at 25.0'-32.8', 36.0'-37.0', 38.3'-42.3', 44.7'-45.5', 47.0'-49.5', 58.0'-59.0', 63.7'-64.5', 90.9'-92.0', 93.0'-94.2', 95.6'-95.8', 101.6'-102.6', 113.0'-113.8'.									
		34.8' 1' of ground core.									
139.0	477.0	INTERBANDED QUARTZITE AND FELDSPATHIC sandstone to greywacke		4698	151.0	156.0	5'	Nil	.002		
				4699	156.0	158.5	2.5'	Nil	Nil	.01	
				4700	158.5	163.5	5'	Nil	Nil		
				9239	172.0	177.0	5'	.01	Nil		
		Quartzite-similar to above.		9239	215.0	220.0	5'	Nil	Nil		
		Feld ss. to greywacke: Fine gr., med. to dark grey, massive, highly fractured (chlorite-filled) diss. py < 1% on fractures.		9240	220.0	222.5	2.5'	Nil	Nil	.01	
				9241	222.5	227.5	5'	Nil	Nil		
				9242	255.0	260.0	5'	Nil	Nil		
				9243	260.0	262.5	2.5'	.02	Nil	.01	
		139.0'-152.0': Fd. ss. to gwke		9244	262.5	267.5	5'	Nil	Nil		
				9245	267.5	272.5	5'	Nil	Nil		
		152.0'-157.2: Qtzite (diss. po 1% and few specks cpy at 156.5')		9246	272.5	277.5	5'	Nil	Nil		
				9247	277.5	282.5	5'	.01	Nil	.01	
		157.2'-158.5: Fd. ss. to gwke.		9248	282.5	287.5	5'	.05	.002	.01	
				9249	287.5	292.5	5'	.03	Nil	.01	

FOOTAGE		DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE			ASSAYS		
From	To				From	To	Length	Cu	Ag	Ni
	158.5'-167.3'	Qtzite		9250	292.5	297.5	5'	Nil	Nil	
	167.3'-171.0'	Fd. ss. to gwke								
	171.0'-172.0'	Qtzite								
	172.0'-173.0'	Fd. lss to gwke.								
	173.0'-175.0'	Lost Core.								
	175.0'-183.0'	Qtzite (diss po 1% at 176.0')								
	183.0'-194.5'	Fd. ss. to gwke.								
	194.5'-218.5'	Qtzite								
	218.5'-220.0'	Fd. ss. to gwke.								
	220.0'-249.0'	Qtzite (diss. po and py 1% and few specks cpy at 220.8')								
	249.0'-254.7'	Fd. ss. to gwke.								
	254.7'-263.0'	Qtzite (po-filled fractures and few specks cpy at 261.0'-262.0')								
	263.0'-267.0'	Fd. ss. to gwke.								
	267.0'-375.5'	Qtzite (numerous cross-cutting fractures filled with po from 280.0'-281.5', and fractures filled with po and py (1-2%) and cpy (<0.5%) at 285.0'-291.0')								
	375.5'-378.0'	Fd. ss. to gwke.								
	378.0'-446.0'	Qtzite								
	446.0'-451.0'	Fd. ss. to gwke.								
	451.0'-453.5'	Qtzite.								
	453.5'-456.0'	Fd. ss. to gwke.								
	456.0'-461.0'	Qtzite.								
	461.0'-463.0'	Fd. ss. to gwke.								
	463.0'-468.5'	Qtzite								
	468.5'-475.5'	Fd. ss. to gwke.								
	475.5'-477.0'	Qtzite.								
477.0	END OF HOLE									



MATTAGAMI LAKE MINES LTD.  
EXPLORATION DIVISION

PROJECT: DIEPPE  
LOCATION OF  
D.D.H.# D-B-76-6  
SCALE: 1" = 200 FEET  
DATE: DEC. 20, 1976 DRW. BY: R.S.

**GEOPHYSICS**

JEM SHOOTBACK  
200' COIL SEPARATION

———— 480 cps  
----- 1800 cps  
L/H =  
..... M-700 MAG.  
..... RADEM

MAGNETIC FIELD STRENGTH (GAMMAS)

RESULTANT DP ANGLE (DEGREES)

25  
20  
15  
10  
5  
0  
-5  
-10  
-15  
-20  
-25  
-30






SURFACE

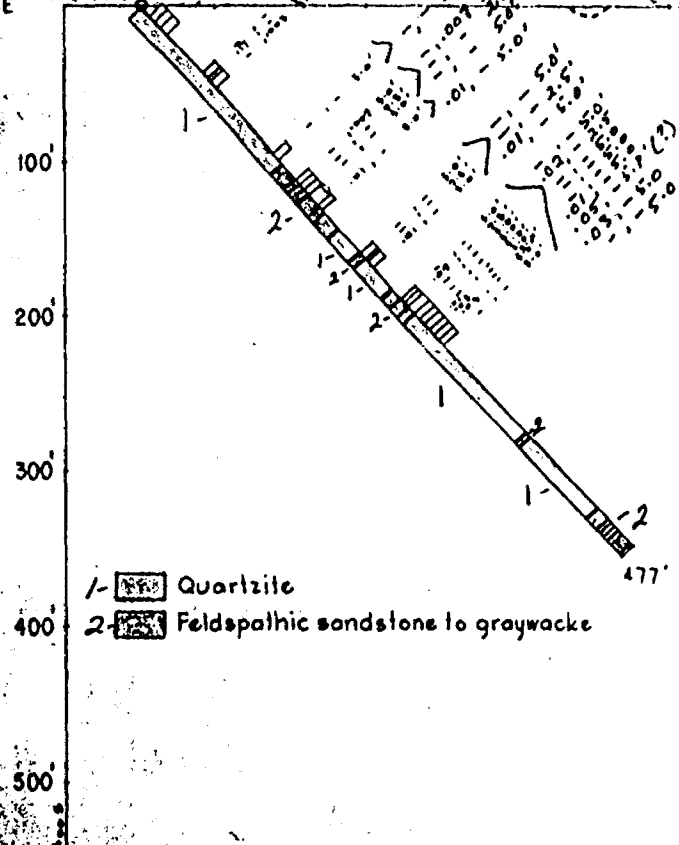
D-B-76-6

TRANCH 07-0-19% Cu (2: 0.77% Cu)

**DIAMOND DRILLING**

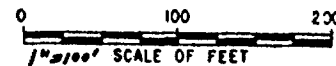
**LEGEND**

-  1-5 % Sulphide
-  5-10 % "
-  10-25% "
-  25-50% "
-  50-100% "



- 1-  Quartzite
- 2-  Feldspathic sandstone to graywacke

PROJECT: DIEPPE  
ANOMALY: B  
SECTION: 2-20 WEST  
DDH. NO.: D-B-76-6



DATE: OCT. 1976 DRAWN BY: G. STEINLETT.

#121

INPUT SURVEY

MATTAGAMI LAKE MINES LTD.  
EXPLORATION DIVISION

NOV 3

1976  
A separate form is required for each type of work to be recorded.

*Cu Cu*



41106SW0021 0011 DIEPPE

300 PORT OF WORK

To the Recorder of SUDBURY Mining Division

Mattagami Lake Mines Limited, 1 84

name of Recorded Holder Prospector's Licence

1110-8 King Street East, Toronto, Ontario, M5C 1B5

397 Post Office Address DIAMOND DRILLING

do hereby report the performance of ..... days of ..... type of work

not before reported to be applied on the following contiguous claims

Claim No.	Days	Claim No.	Days	Claim No.	Days
S 409971	60	S 424022	60	S 437705	40
409972	60	424023	40		
409973	60	424024	40		
.....	.....	.....	.....		
.....	.....	.....	.....		
.....	.....	.....	.....		

Geological Branch ODM  
437705 ASSESSMENT FILES  
RESEARCH OFFICE  
OCT 27 1976  
RECEIVED

All the work was performed on Mining Claim (s) S 409976 & S 409977  
(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 (in cutting & 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)

Diamond drill hole # D-B-76-1 was drilled North at - 45° to a depth of 397.0' using the wireline method with a core diameter of 1-1/16" by Morissette Drilling Ltd. of Haileybury, Ontario, during the period September 13 - 17, 1976. 167' was drilled on Claim S 409976 and 230' on S 409977.

Date October 21, 1976 Signature of Recorded Holder or Agent

The Mining Act  
Certificate Verifying Report of Work

J. D. Harvey  
1110-8 King Street East, Toronto, 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 same during and/or after its completion.
- That the annexed report is true.

Dated October 21, 1976 Signature

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



Ministry of Natural Resources

Ontario

**DIEPPE** RECEIVED

#76-141  
FILE S. 409976

JAN 13 1977

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

cu, m, au

THE MINING ACT REPORT OF WORK

To the Recorder of.....SUDBURY.....Mining Division

I,.....MATTAGAMI LAKE MINES LTD.....T 84  
name of Recorded Holder Prospector's Licence

.....1110 - 8 King Street E. Toronto, Ontario.....  
Post Office Address

do hereby report the performance of .....2167..... 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
S409971	100	S409977	159	S437705	119
S409972	100	S409978	159	S437706	146
S409973	100	S409979	159	S437707	147
S409974	159	S424022	119	S437708	144
S409975	159	S424023	119	Geological Branch ODM	
S409976	159	S424024	119	ASSESSMENT FILED	
				RESEARCH OFFICE	

All the work was performed on Mining Claim (s) ..S409976-77...S424023-24...S437702.....  
(In the case of geological and/or geophysical survey (s) where more than 10 claims are involved attach a schedule)  
Work No. M.L.M. 5 40-76-725-BAL. 3065; S. 409-76-725-BAL. 3065

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)

Hole	Claim	Length	Dip	Magnetic Bearing	Dates	
					From	To
D-A-76-2	S424023	250'	-45°	North	Sept. 18-23,	1976
"	S424024	107'				
D-A-76-3	S424023	386'	-45°	N 10° W	Sept. 24-29,	1976
D-D-76-4	S437707	380'	-45°	South	Sept. 30-Oct. 4,	1976
D-B-76-5	S409976	360'	-45°	North	Oct. 4 -13,	1976
"	S409977	207'				
D-B-76-6	S409976	405'	-45°	N 2° E	Oct. 14 -20,	1976
"	S409977	72'				

These holes were drilled by Morissette Diamond Drilling of Haileybury \*

Date ....December..21,..1976.....  
Signature of Recorded Holder or Agent

The Mining Act Certificate Verifying Report of Work

I,.....John D. Harvey.....  
.....1110.....8.....King.....Street.....East.....Toronto.....Ontario.....  
(Post Office Address)

SUDBURY MINING DIVISION RECEIVED DEC 24 1976

hereby certify:

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

Dated.....1976.....  
Signature

\* from Sept. 18 to Oct. 20, 1976. core size is A Q wireline and is stored on the property.

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

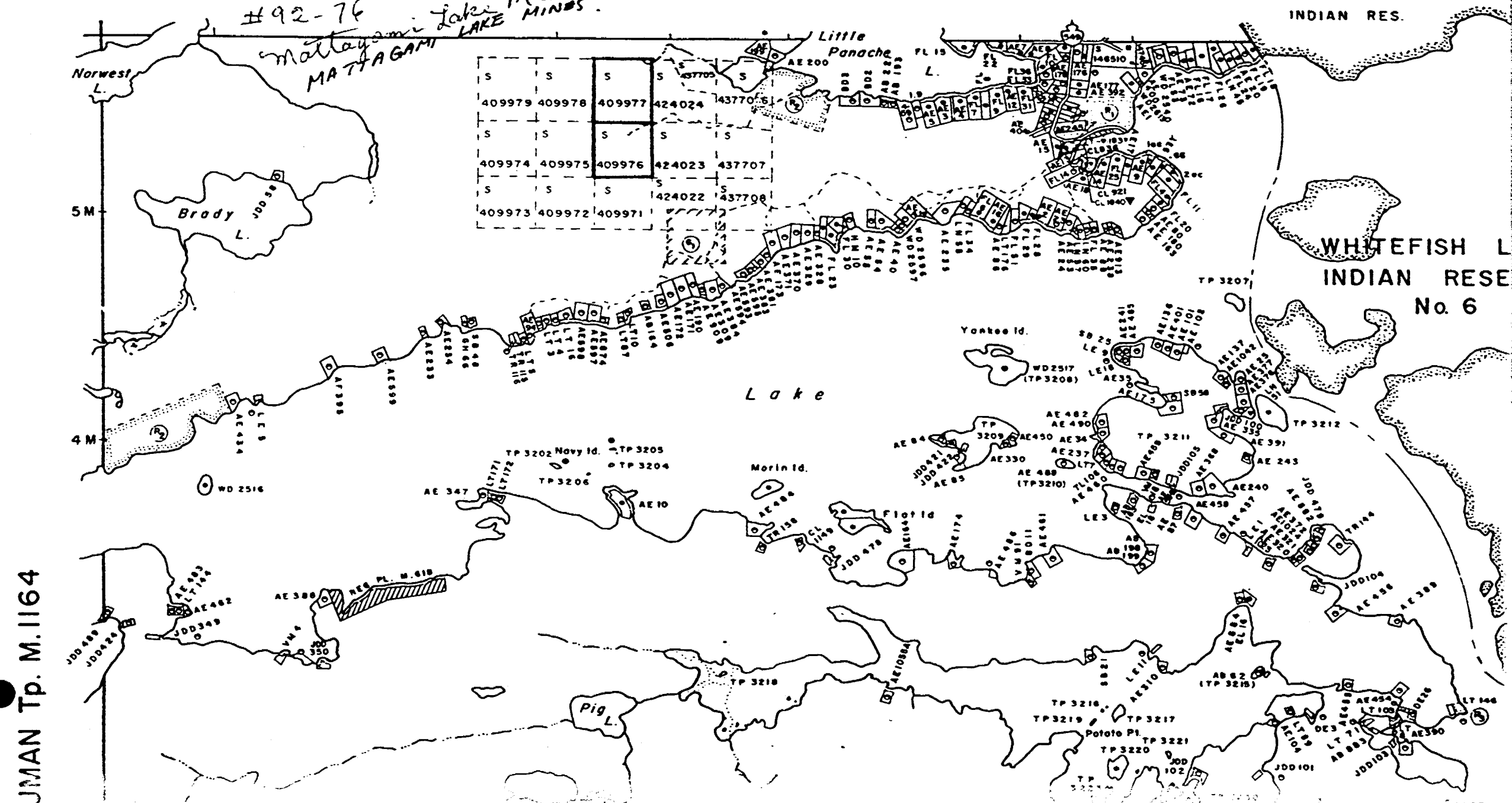
Mag's Agency

Dieppe Sup-DIEM  
#92-76

LOUISE Tp. M. 998

#92-76  
Mattayami Lake Mine  
MA TAGAMI LAKE MINES

S	S	S	S	S
409979	409978	409977	424024	437705
S	S	S	S	S
409974	409975	409976	424023	437707
S	S	S	S	S
409973	409972	409971	424022	437708



UMAN Tp. M. 1164



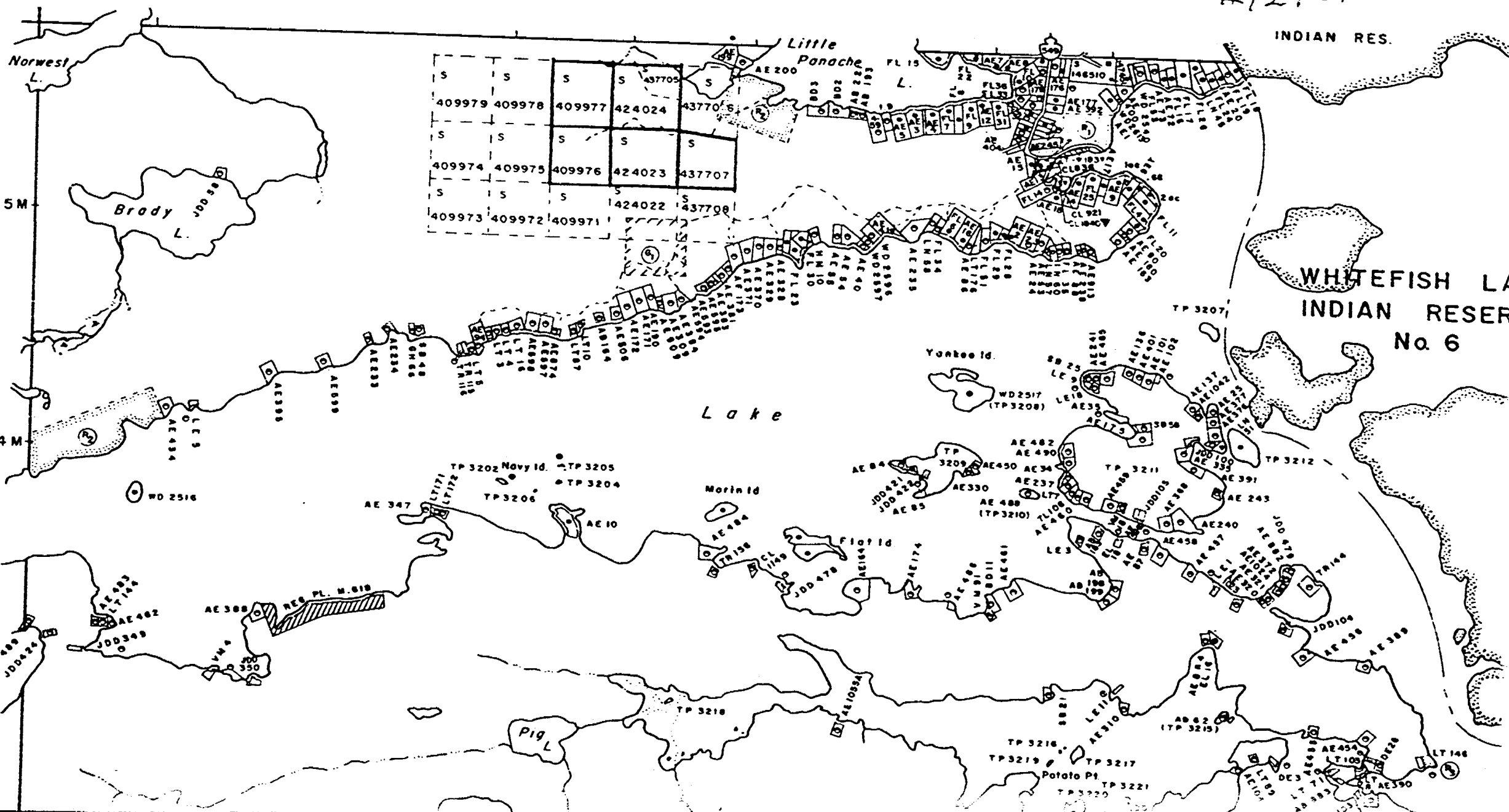
LOUISE Tp. M. 998

DIERPPE TWP.  
(M. 761)

#121-76

INDIAN RES.

WHITEFISH LA  
INDIAN RESER  
No. 6



JMAN T M. 1164

