

DIAMOND DRILLING

010

Area: SMOCK LAKE

Report No: 27

WORK PERFORMED FOR: MATTAGAMI LAKE MINES

RECORDED HOLDER: SAME AS ABOVE [x]

: OTHER []

<u>CLAIM NO:</u>	<u>HOLE NO:</u>	<u>FOOTAGE</u>	<u>DATE</u>	<u>NOTE</u>
PA 394367	<u>ER-H-77-7</u>	447.0'	Feb/77	(1)
TOTAL	1 DH	447 FT		

NOTES: 63/77

ATTAGAMI LAKE MINES LIMITED - EXPLORATION DIVISION - DIAMOND DRILL HOLE RECORD #63

PROPERTY ENGLISH RIVER GROUP "B"	LATITUDE 1 + 00N	STARTED FEBRUARY 26, 1977	DIP TEST			
E NO. ER-H-77-7	DEPARTURE 12 + 00W	FINISHED March 4, 1977	Footage	Corrected	Footage	Corrected
RING NORTH (00)	ELEVATION SURFACE	LENGTH 447.0 FEET	100'	-450	400'	-450
COLLAR -500	SECTION 12 + 00W	LOGGED BY G. STEINERT	200'	-450		
			300'	-450		

FOOTAGE		DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE			ASSAYS					
From	To				From	To	Length	CU	ZN	FE	HR	Ag/AU SIO2	
0'	78.0'	CASING: (70' of overburden)											
78.0'	135.0'	MAFIC FLOW OR TUFF: Fine gr, dark green, massive, cut by carb. (calcite) veinlets, tr py, gradational to dacite about 135.0'. 83.0-87.0': 1 foot of lost core 116.0-125.5': slightly magnetic, tr visible py 126.1-126.6': 2-4% diss py 127.0-127.1': diss py 25-30% 128.0-135.0': very thin (2-3mm) py filled fractures spaced approx 1-2' apart.	2-3% py	177	126.0	128.0	2.0'	.01	.02	13.48	.14	.03/	45.8
135.0'	282.0'	FELSIC TUFF (DACITE-RHYODACITE): Pale to med green-gray, fine gr, foliated at 650 to core axis, sheared (waxy feel), highly carbonatized, tr py. 135.0-153.5': very thin py-po filled fractures average 1-2' apart 157.0-169.0': 1-2% py diss & filling fractures. 169.0-172.4': 1-2% po + py along fractures & assoc with carbonate veinlets 172.4-172.8': 5% py assoc with carbonate veinlet Massive (70-90%) py - po stringers assoc with minor carbonate at 176.5-176.6', 179.4-179.5', 180.9-181.0', & 181.5-181.7'. 237.0-238.4': buff fine gr, rhyolitic unit, fairly sharp contacts at 900 to core axis. 240.0-247.0': minor very thin py-po filled fractures & carb veinlets 260.5-273.0': minor very thin py-po filled fractures & carb veinlets Barren quartz veins at 202.3-202.7', 251.5-251.9'	1-2% py	178	165.0	170.0	5.0'	.02	.02	10.39	.11		
				179	170.0	175.0	5.0'	.01	.02	12.27	.14		44.9
				180	175.0	180.0	5.0'	.01	.02	11.58	.15	.03/	
				181	180.0	185.0	5.0'	.01	.02	13.24	.22	.02/	
282.0'	347.0'	DACITIC PILLOW LAVA: Gray green, aphanitic, siliceous pillows up to 6-8" in width, rimmed by fine gr pale green softer chloritic selvages 2-4mm in width, selvages contain tr - 1% diss fine gr py, selvages are curvilinear but generally oriented at 50-600 to core axis, carbonatized & cut by barren qtz veins at 284.4-284.5', 285.5-286.0', 287.3-287.7', 291.0-291.4' & 293.3-293.7'.	Tr py	182	305.0	310.0	5.0'	.02	.02	7.75	.14	.03/	47.8
				183	340.0	345.0	5.0'	.01	.01	8.44	.11	.03/	47.3
				184	345.0	347.5	2.5'	.02	.02	13.59	.14	.02/	
													.015
347.0'	357.0'	DACITE-ANDESITE TUFF: Med to dark green, massive, fine gr, biotitic?, brecciated from 346.5-348.5' (matrix filled by carbonate & 5-10% po + py, few specks cpy), entire unit is highly carbonaceous.	5-10% po+py tr cpy Tr	185	347.5	350.0	2.5'	.02	.02	15.17	.17	.03/	
				186	350.0	355.0	5.0'	.01	.01	11.22	.16	.02/	
				187	355.0	357.0	2.0'	Tr	.02	10.97	.18		

RECEIVED
 OCT 12 1977
 MINISTRY OF NATURAL RESOURCES
 RESIDENT
 SIOUX LOOKOUT

I.L.M. EXPLORATION DIVISION, D.D.H. RECORD

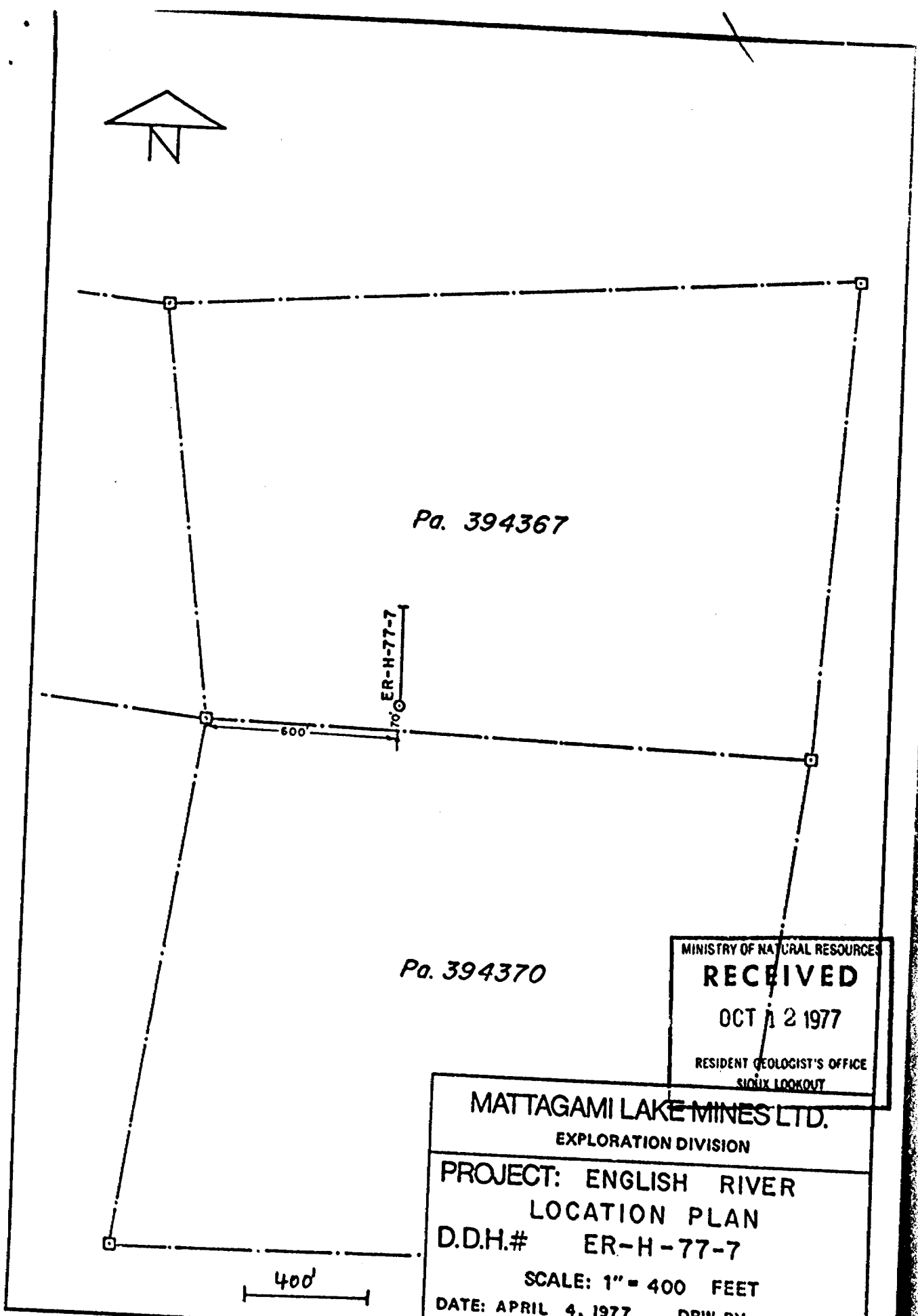
#63

PROPERTY ENGLISH RIVER (GRP. H) HOLE NO. EP-H-77-7

Page 2 of 4

FOOTAGE		DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE			ASSAYS					
From	To				From	To	Length	CU	ZN	FE	MN	NI/AU	SiO2
357.0'	363.4'	DACITE TUFF: Fine gr, pale to med gray-green, shored, highly carbonaceous, 5-10% po + py as thin wavy bands + diss.	5-10% potpy	188	357.0	360.0	3.0'	.06	.30	24.13	.20		
				189	360.0	363.4	3.4'	.04	.31	19.61	.20	.02/	
363.4'	447.0'	ANDESITE FLOW: Med to dark green, massive, fine gr, cut by thin irregular calcite veinlets (also calcite blebs up to 2-3mm diam), tr - lt py cubes (fine gr) diss & filling fractures.	Tr	190	363.4	368.4	5.0'	.02	.02	10.15	.18		44.6
		369.9-370.1': barren quartz vein, contacts at 75o to core axis.	Tr	191	442.0	447.0	5.0'	.02	.02	13.01	.19		46.6
		410.5-411.0': 40o											
447.0'		END OF HOLE											

RECEIVED
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 REFINEMENT RESEARCH OFFICE
 SIOUX LOOKOUT



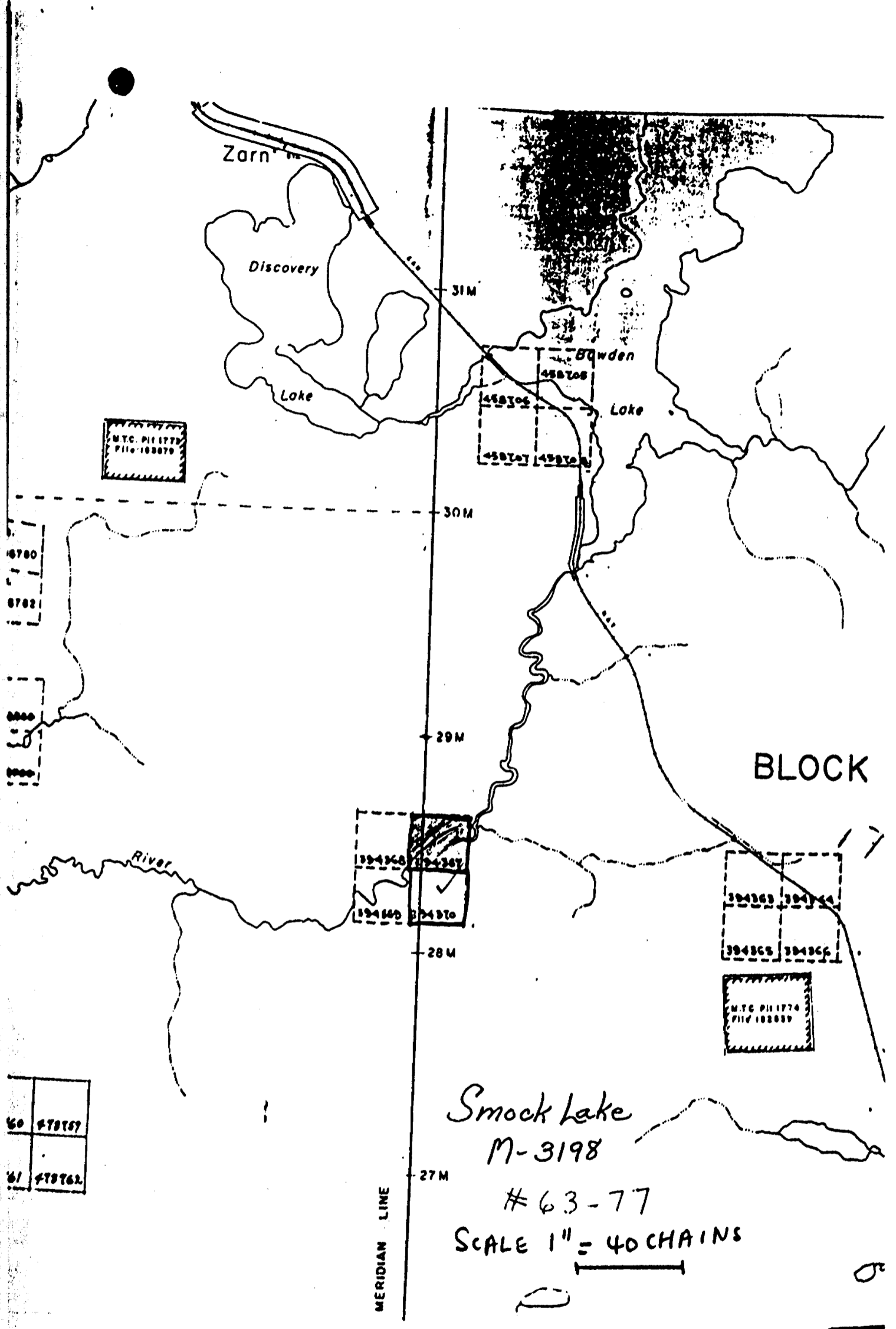
Pa. 394367

Pa. 394370

MINISTRY OF NATURAL RESOURCES
RECEIVED
OCT 12 1977
RESIDENT GEOLOGIST'S OFFICE
SIOUX LOOKOUT

MATTAGAMI LAKE MINES LTD.
EXPLORATION DIVISION
PROJECT: ENGLISH RIVER
LOCATION PLAN
D.D.H.# ER-H-77-7
SCALE: 1" = 400 FEET
DATE: APRIL 4, 1977 DRW. BY:

400'



M.T.C. P11774
P117 102079

8780
8782

8800
8802

60	478157
61	478162

MERIDIAN LINE

31M
30M
29M
28M
27M

458706
458708
458710
458712

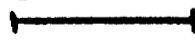
394368
394370
394372
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394369
394371
394373
394375

M.T.C. P11774
P117 102079

BLOCK

Smock Lake
M-3198
#63-77
SCALE 1" = 40 CHAINS





52G13NE0026 52G13NE0017C1 SMOCK LAKE

900

Smock Lake M-3196



Natural Resources

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

77-63

THE MINING ACT REPORT OF WORK

To the Recorder of Patricia Mining Division
Mattagami Lake Mines Limited T-84
name of Recorded Holder Suite 1110 - 8 King St. East, Toronto, Ont. MSC 1B5
Prospector's Licence

do hereby report the performance of 417 days of Diamond Drilling type of work
not before reported to be applied on the following contiguous claims

Table with 6 columns: Claim No., Days, Claim No., Days, Claim No., Days. Contains entries for Pa. 394367, 394368, 394369, 394370.

Geological Branch - ODM ASSESSMENT FILED RESEARCH OFFICE SEP 27 1977 RECEIVED

All the work was performed on Mining Claim (s) Pa. 394367
(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)

Hole #ER-H-77-7 was drilled North at -50° to a depth of 447.0' on claim Pa.394367 during period Feb. 26 - Mar. 4, 1977 by Morissette Diamond Drilling Ltd. of Haileybury, Ont. Core size is 1-1/16 inches.

MINISTRY OF NATURAL RESOURCES RECEIVED OCT 12 1977 GEOLOGIST'S OFFICE SMOCK LAKE

Date Sept 20/77

Signature of Recorded Holder

The Mining Act Certificate Verifying Report of Work

J.D. Harvey Suite 1110 - 8 King St. East, Toronto, Ontario. MSC 1B5 (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 Sept 20 1977

PATRICIA MINING DIV. 1977

Signature

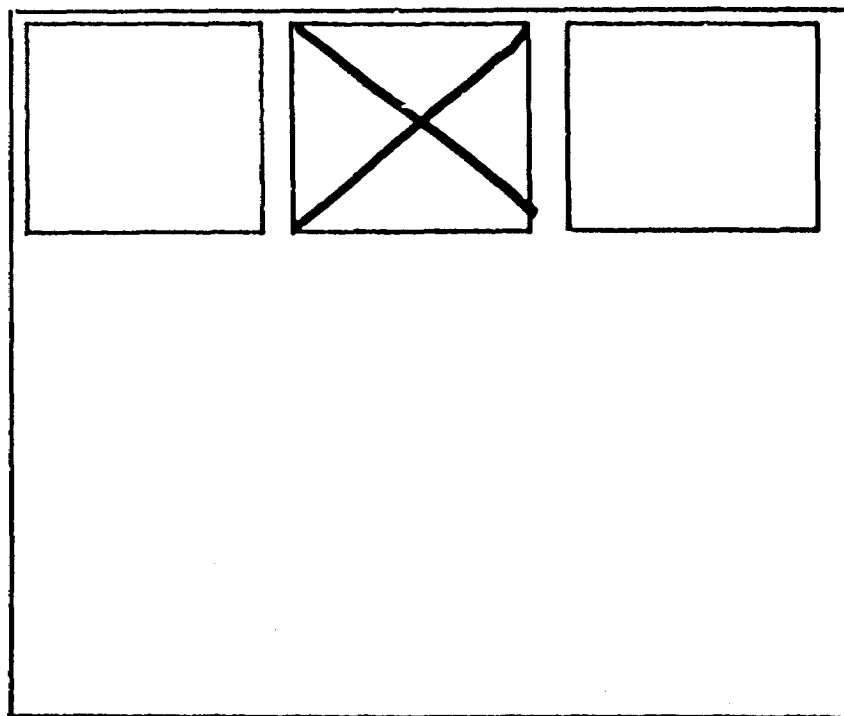
Pa. 394363

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

• SEE ACCOMPANYING
MAP(S) IDENTIFIED AS

52G/13 NE-0017-C1 #1

LOCATED IN THE MAP
CHANNEL IN THE FOLLOWING
SEQUENCE (x)



GEOPHYSICS

Mag. M-700
 In Phase
 Quadrature
 Frequency: 1600 Hz.
 Coil Separation 300 ft.
 σt : 4 mhos.
 Depth: 60 ft. Width: 70 ft.

EM-17

MAGNETIC FIELD STRENGTH (GAMMAS)

RESULTANT DIP ANGLE (DEGREES)

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

1000
500

SURFACE

1+00 S.

0+00

E.R.-H-77-7

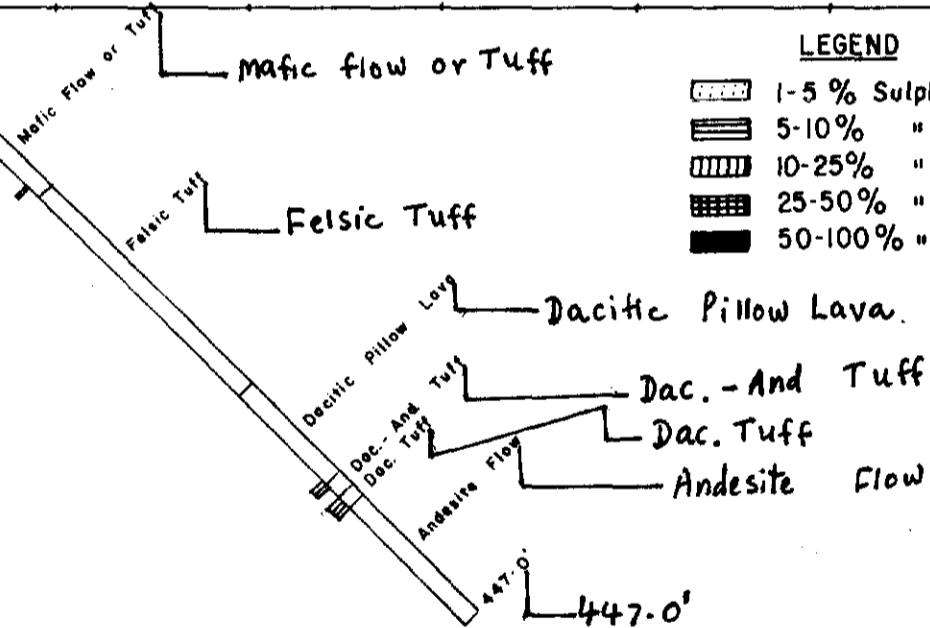
5+00 N.

DIAMOND DRILLING

LEGEND

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

100'
200'
300'
400'

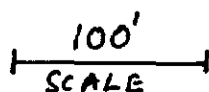


52G13NE0026 52G13NE0017C1 SMOCK LAKE

200

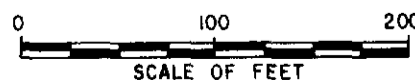
INPUT SURVEY

52G/13 NE-0017-C1 #1



**MATTAGAMI LAKE MINES LTD.
EXPLORATION DIVISION**

PROJECT: ENGLISH RIVER
 ANOMALY: ZONE "A", GROUP H.
 SECTION: 12+00 W.
 D.D.H. NO.: ER-H-77-7



DATE: APRIL 4, 1977 DRAWN BY: