010

OVERBURDEN DRILLING REPORT

FOR

MATHESON TOWNSHIP CLAIMS

BY: E. VAN HEES

AUGUST 20, 1985

CONTENTS

LOCATION, ACCESS AND TOPOGRAPHY

The group of claims consisting of P779810 to P778913 inclusive form a block in the south half of lot 6, concession 1, Matheson Township of the Porcupine Mining Division.

Access to the claims can be gained via a bush road that leads south from Highway 101 just west of Matheson creek. This road crosses private property and the owners of the white house just to the east of where the road leaves highway 101 should be contacted before using the road.

Topography in the area is very low and the area is comprised of swamp in many places especially along the shore of Nighthawk Lake and Matheson Creek.

PLEISTOCENE HISTORY

Varved clays, often having an appreciable clay content, were deposited by lake Barlow-Ojibway, and cover the claims to a depth of between 45 and 69 feet.

Underlying the clay, a layer of sand is found throughout the area. The latter is underlain by a layer of sandy gravel or in places by a mixed unit of sandy gravel plus till. This last unit is found on top of bedrock which is located at between 66 feet and 94 feet below surface in the areas sampled.

The absence of a clear cut distinction between the layers of gravel and sand and the till layers normally found in the Nighthawk Lake area is probably caused by the proximity of these samples to the old Fredrick House River channel located just to the south and east. The movement of a pleistocene river in this channel has probably caused the mixed up state of the sediments found there today.

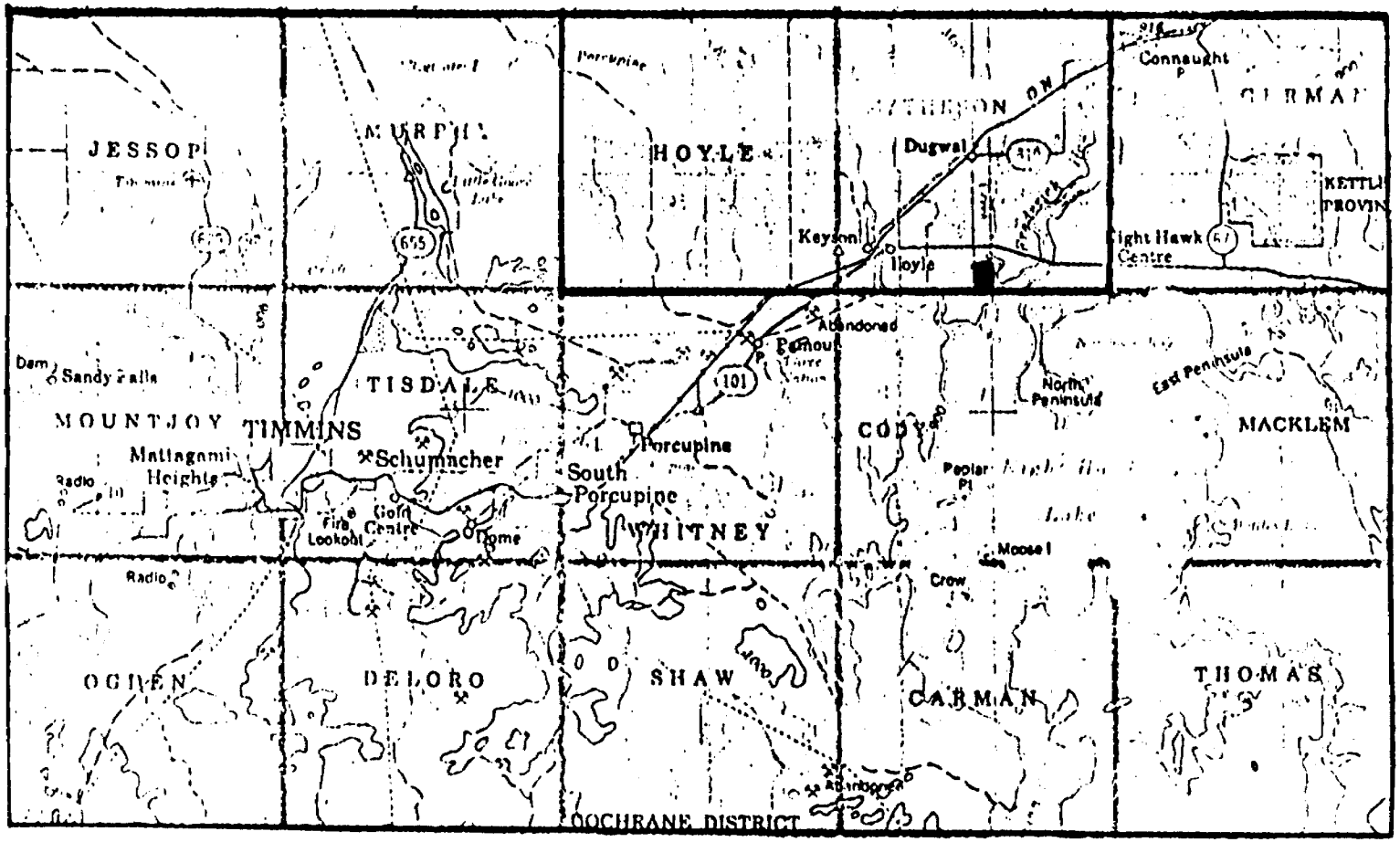
OVERBURDEN DRILLING EQUIPMENT

The overburden was sampled using a percussion and rotary overburden drill known as the Polyhydrill which is owned by Archibald Mining and Exploration Ltd. of Toronto. This drill which is manufactured by the Borros Manufacvturing company of Sweden uses a BQ sized drill rod or larger to sample the overburden. The percussion drill bit at the leading end of the drill string enabled the unit to penetrate through boulders when these wereencountered and to sample bedrock to any desired depth.

PURPOSE OF WORK

The overburden was sampled to obtain basal till material, if present, from an east-west fence of holes across the property. Difficulty with access to

PROPERTY LOCATION MAP



the southern most edge of the property led to the decision to drill a fence of holes at 400 foot intervals across the property along a hydro right of way which cuts through the southern half of the claim block.

DRILLING RESULTS

The Overburden Drill Section (in pocket) was constructed using the logs recorded by F. T. Archibald a consulting geologist who logged the overburden drill samples recovered by the drill crew. This work was carried out as part of a larger program during the period of June 2 to 12, 1985.

The bedrock topography observed has a relief of 28 feet from the shallowest to the deepest bedrock intersection. A bedrock high occurs at hole 7 on the east end of the drill section and another local high occurs at drill hole number 3. These variations in bedrock topography may be caused by the presence of several faults that are known to traverse the area.

Basal till was encountered in only one drill hole (#6). In all the other holes a gravel unit is found at the bedrock surface and this may represent a till that has been partially reworked. The latter is suggested in part due to the proximity to the river and in part because of the mixed nature and size of the material report as gravel.

Overlying the till and gravel unit is a layer of fine to coarse sand. This unit varies from 6 to 27 feet thick. The smallest thickness is found to occur where the bedrock highs are and the greatest accumulations where the bedrock valleys occur.

The clay unit behaves exaltly opposite to the sand unit, that is its greatest thickness is found over the bedrock highs and the smallest thickness over the valleys. The mixed clay and humus unit is predominantly the same width across the entire property except at the east end where it thins out probably due to its close proximity to Matheson creek.

CONCLUSIONS AND RECOMMENDATIONS

The gravel and till samples obtained from this drill program have been sent off for concentration prior to their analysis for such metals as gold, arsenic etc. using the Neutron Activation Analytical method. The results returned from this analytical work should be carefully evaluated prior to any further work as the till and gravelly till have probably been reworked and therefore cannot be simply followed up ice to the source area.

To Whom It May Concern

Aug 20, 1985

Matheson claims
Cost Breakdown

Overburden Drilling Cost	$3600.00
Supervision and Report Writing	$ 300.00
Total	$3900.00

Total number of Days $3900 ÷ 15 = 260 days

ARCHIBALD MINING AND EXPLORATION LTD.,

attn (JOHN C. ARCHIBALD)
B.Sc. GEOLOGIST

INV. # 434

June 13,1985.

702 - 100 ADELAIDE ST. W.
TORONTO, CANADA
M5H 1S3
TEL. (416) 363-5054

IN ACCOUNT WITH-

PAMOUR PORCUPINE MINES LTD.,
P.O.BOX 2010,
Timmins, Ont. P4N 7X7

Re: Overburden Drilling of the Company's property in the Timmins area from June 2 through to June 12th. to include drill moves, consummables, use of the Polhydrill unit, sampling and logging:

Total footage,1372 feet @$6.80 per foot:
.....$9,329.60

With thanks,

J.C.Archibald
Pres. AMEX

Acc 5515 $2337.02
0205 ③ $3600.00 = 240 days = 60 days p/cl.
0611 ④ $3600.00
0402 ④ $3392.58

East of Tailings Pond Ref
matheson Ref
N. of Pamour Ref

CC 29
Resp 261

pamour

Pamour Porcupine Mines, Limited
P.O. Bag 2010
Timmins, Ontario, Canada P4N 7X7

0068529

DAY	MO.	YEAR
27	06	1985

PAY TO THE ORDER OF

AMOUNT
$ 9,329.60

Archibald Mining and Exploration Ltd.,
702-100 Adelaide Street West
Toronto, Ontario.
M5H 1S3

PAMOUR SCHUMACHER 9329and60cts

PAMOUR PORCUPINE MINES, LIMITED

TO
BANK OF NOVA SCOTIA
TIMMINS, ONT.

AUTHORIZED SIGNATURE

AUTHORIZED SIGNATURE

⑈10720021⑈ 00940⑈13⑈ ⑈000093 2960⑈

10 BANK OF MONTREAL TORONTO REGIONAL DATA CENTRE 26

00022-001 Bank of Montreal JUL 4 1985 First Canadian Place Toronto, Ont. 00022-001 26

SCOTIABANK DATA CENTRE TORONTO 04 8 JY

DATA CENTRE 04 JY

CERTIFICATE

I, Edmond H. van Hees do hereby certify the following;

1) I reside in the city of Timmins, Ontario at 165 Tamarack St.

2) I hold a B.Sc. from the University of Waterloo and an M.Sc. from the University of Western Ontario in Geology.

3) I have practiced my profession for full time since 1978 and part time between 1972 and 1978.

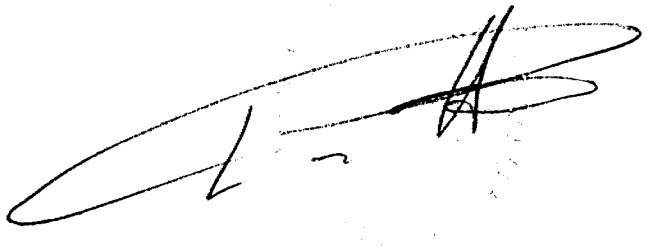
4) I am a fellow in the Geological Association of Canada

5) I am a member of the Prospectors and Developers Association

6) I supervised the work and wrote the report covering Pamour Porcupine Mines Ltd., property in Matheson Township.

7) I do not have any interest in, nor do I expect to receive any interest in the Pamour Porcupine Mines property in Matheson Twp.

E. H. van Hees



Pamour Porcupine Mines, Limited

OVERBURDEN DRILLING PROGRAM

Pamour McIntyre–Porcupine Tailings Sampling

DATE June 5-7, 1985

GRID COORINATE Night-Hawk Lake

LOGGED BY F.T.Archibald B.Sc. Geol.

Claims 779810- 779813

Night Hawk Lake Claims

HOLE	FOOTAGE FROM	FOOTAGE TO	MATERIAL	COLOUR	SULPHIDE %	MOISTURE %	REMARKS	TIME FROM	TIME TO		PENETRATION seconds per foot	RECOVERY %	SAMPLE No.	ASSAY No.	FOOTA
NH-1	0	10.0	Humus Clay	grey		+10%	light grey mixed with org. at top	1:30	5:30	June 5/85	1' = 10 s		12975		69-71
	10.0	69.0	Clay-silt	grey		+15%	light grey			779813	1' + 8 se		12976		71-76
	69.0	76.0	Sand	gry-bei			medium-coarse with some gravel layers, beige-brown orange oxide layer @ 76.0								
	76.0	80.0	Gravel	dark grey		-10%	till, mixed with metased. fragments, compacted/dry								
NH-2	0	10.0	Humus-Clay	grey		+10%	organics decreasing with depth	9:00	11:30	June 6, 85	1'= 12 sec		12951		59-64
	10.0	59.0	Clay-silt	brn-grey		+10%				779813			12952		64-69
	59.0	78.0	Sand	grey			fine-medium grained, silic. granitic composition, slight coarser with depth						12953		69-74
													12954		74-79
	78.0	80.0	Gravel	beige		-10%	75.0-78.0- some fine cobbles coarse grained cobbles (feldspar porphyry) (to 5 cm diam) with fine sand matrix, (some meta-sed. cobbles).								
NH-3	0	10.0	Humus-Clay	grey		10%		11:30	3:30	June 6/85					
	10.0	65.0	Clay-Silt	beige			sandy with depth						12955		63-68
	65.0	68.0	Sand	beige		30%	with angular metased. frag.			779813			12956		68-73
							fragments increasing with depth, greenish (chlorite) increasing with depth						12957		73-79
							63.0-68.0- fine sand with 30% moisture, siliceous								
	68.0	73.0	Sand with Frag.			15-20%	68.0-73.0- fine sand with metased. fragments, 15-20% moisture content								
							79:0- compacted								
NH-4	0	5.0	Humus+Org	dark brn.		+15%		8:30	12:30	June 7/85			12958		49-51
	5.0	10.0	Humus + Clay										12959		53-58
	10.0	50.0	Clay-Silt			+15% 15-25%	10.0-48.0- fine grained, grey/beige, sandy with depth			779813			12960		58-6
							@ 49.0- fine sand				1'=15 sec		12961		63-6
							siliceous with ~5% mafics								

Pamour Porcupine Mines, Limited

OVERBURDEN DRILLING PROGRAM

Pamour McIntyre–Porcupine Tailings Sampling

DATE June 7-8,1985
GRID COORINATE
LOGGED BY F.T.Archibald

HOLE	FOOTAGE FROM	FOOTAGE TO	MATERIAL	COLOUR	SULPHIDE %	MOISTURE %	REMARKS	TIME FROM	TIME TO		PENETRATION seconds per foot	RECOVERY %	SAMPLE No.	ASSAY No.	F88
NH-4 cont.	50.0	51.0	Silt-Sand	beige			coarser with depth, siliceous @ 51.0- gravel layer			779812	1'=30 sec		12962		68-7
	51.0	71.0	Sand			10-20%	medium grained with some fine gravel layers, granitic comp				1'=180 sec		12963		73-7
	71.0	94.0	Sand-basal	grey		-10%-	siliceous, -5% mafics odd gravel layer (gravel increasing with depth), dryer/compacting with depth, cobbles to 2 cm diam.						12964		78-8
													12965		83-8
													12966		88-9
NH-5	0	5.0	Humus-Org.	brn.				12:30	2:45	779811					
	5.0	48.0	Silt-Clay	gry/beige		+15%	with sand content increasing with depth, +15% moisture				1'=8 sec		12967		60-(
	48.0	75.0	Sand	lt.beige		-40%	fine grained, silica rich, 5-10% mafic content				1'=12 sec		12968		68-
													12969		73-
	75.0	87.0	Gravel	grey(dk)		10%	medium-coarse grained (up to 4 cm, diam) dioritic/ granitic cobbles				1'=120 sec		12970		78-(
													12971		83-
	87.0	89.0	Gravel-Sand			-10%	compact/dry, coarse sand-fine gravel, granitic comp. compacted in tube								
NH-6	0	10.0	Humus-Silt	beige				3:00	4:45						
	10.0	45.0	Silt-Clay	grey (lt)		20-30%	fine grained, light grey to beige			779811			12972		63-
	45.0	62.0	Silt-Fine Sand			40%	beige-grey colour				1'=8 sec		12973		68-
	62.0	68.0	Sand-Gravel				beige-grey, fine gravel, siliceous, granitic comp.				1'=20 sec		12974		73-
	68.0	79.0	Gravel till				coarse, med.grey colour fragments to 5 cm diam.				1'=120 sec				
							@ 73.0- metased. fragments								
							73.0-79.0- medium grained gravel light-med. grey								
NH-7	0	5.0	Humus-Clay					9:00	10:45	June 8/85			12977		47-
	5.0	50.0	Clay-Silt	lt.grey		10-25%							12978		51-
	50.0	61.0	Sand-Silt	lt.grey-beige		-50%	fine sand, siliceous rich			779811	1'=8 sec		12979		56-
	61.0	63.0	Sand	beige/grey		-40%	fine-medium grained sand siliceous, granitic comp., 5% mafic content						12980		61-
	63.0	66.0	Gravel				coarse with cobbles up to 4 cm. diameter, dark grey, diorite/ metasediment cobbles								
		66.0	compacted- bedrock?				65.0-66.0- dark grey/black metased.with odd speck pyrite								

F.S. Archibald

Pamour Porcupine Mines, Limited

OVERBURDEN DRILLING PROGRAM

Pamour McIntyre–Porcupine Tailings Sampling

DATE

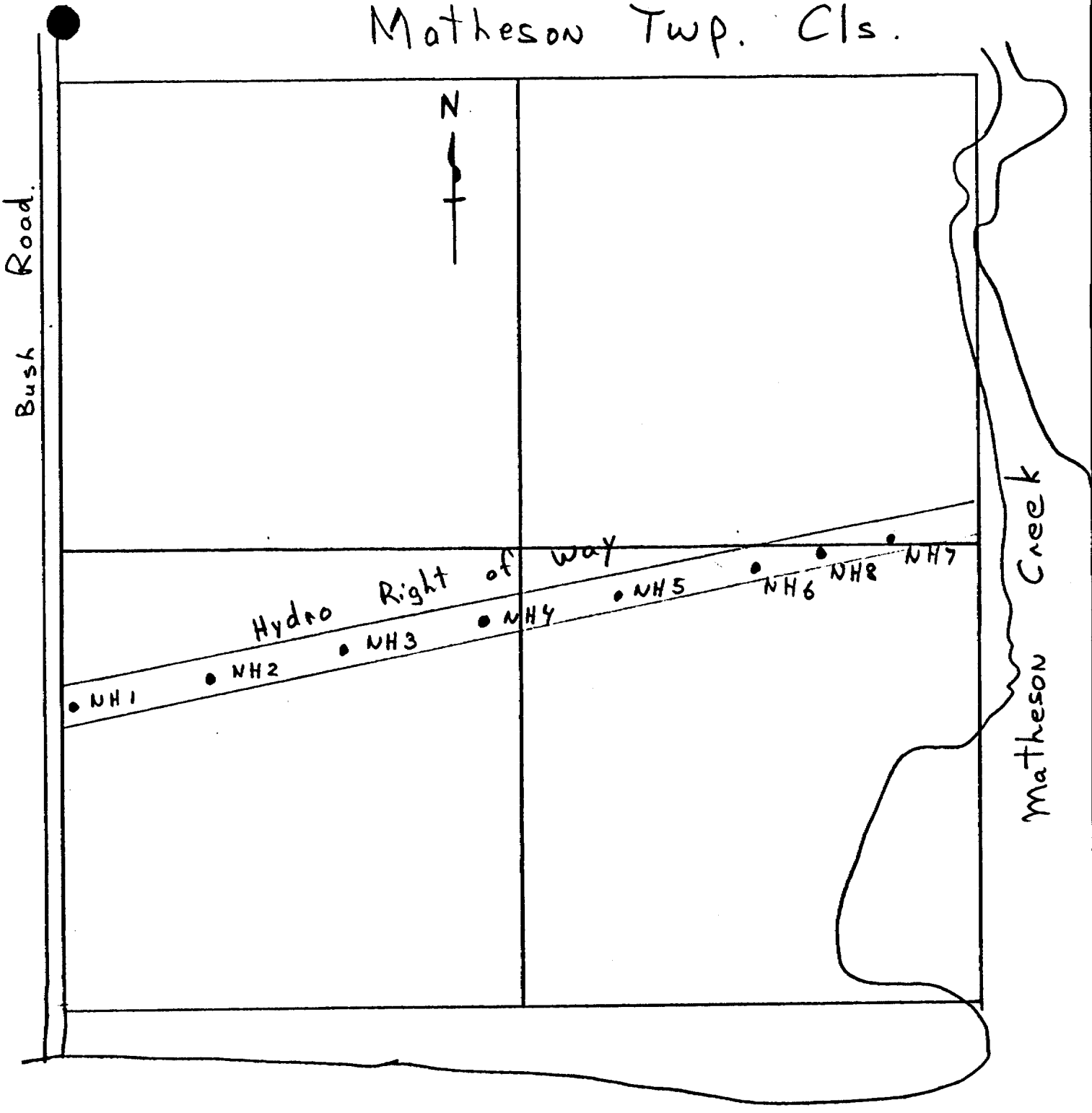
GRID COORINATE

LOGGED BY F.T.Archibald

HOLE	FOOTAGE FROM	FOOTAGE TO	MATERIAL	COLOUR	SULPHIDE %	MOISTURE %	REMARKS	TIME FROM	TIME TO	PENETRATION seconds per foot	RECOVERY %	SAMPLE No.	ASSAY No.	F88
								11:00	1:00			12981		57-6
H-8	0	5.0	Humus-Silt											
	5.0	55.0	Silt-Clay				light grey, fine grained					12982		62-6
	55.0	62.0	Sand	beige/grey		-40%	fine/medium grained, siliceous rich, 5% mafics					12983		67-7
	62.0	68.0	Gravel-Sand layers			10%	fine gravel with sand layers cobbles to 3 cm. diam, granitic comp.							
	68.0	73.0	Gravel				coarse grained and fine grained with sand matrix, cobbles to 3 cm diameter 68.0-71.0- beige, coarser matrix 71.0-73.0- compact, light grey, syenite/quartz/metased.cobbles.							

F.S. Archibald

Overburden Drill Hole Plan
Matheson Twp. Cls.



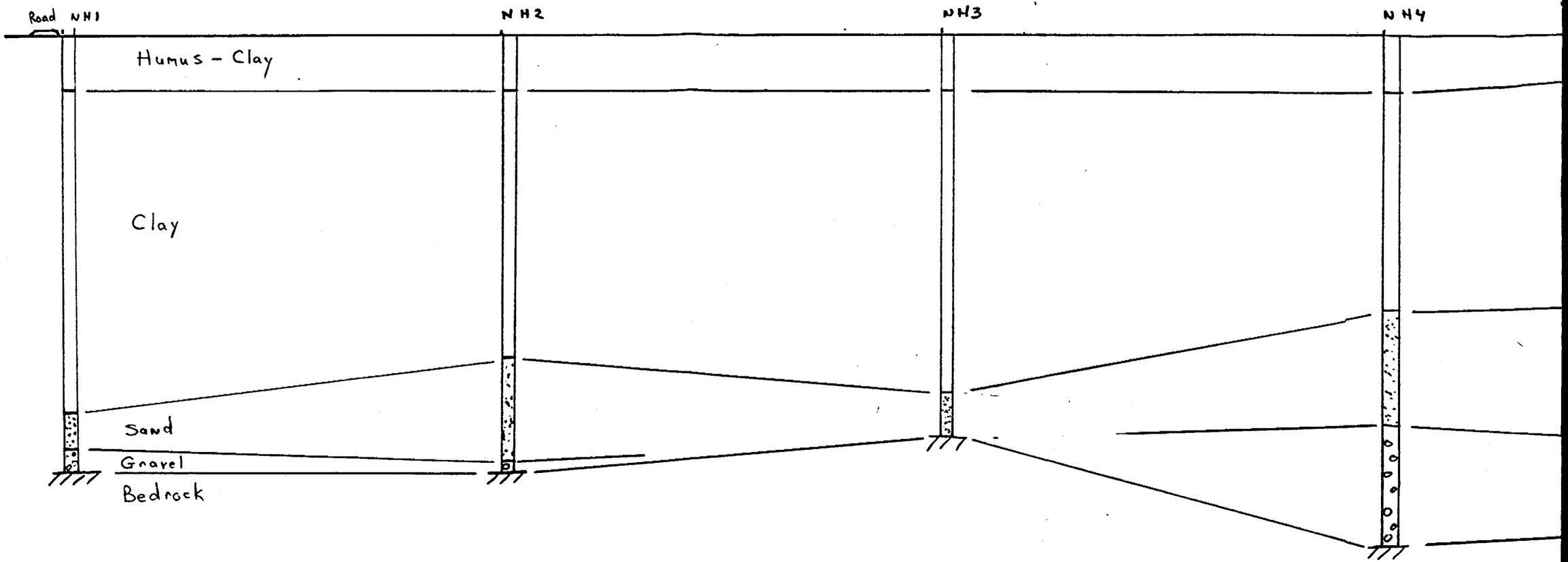
Night Hawk Lake

28375

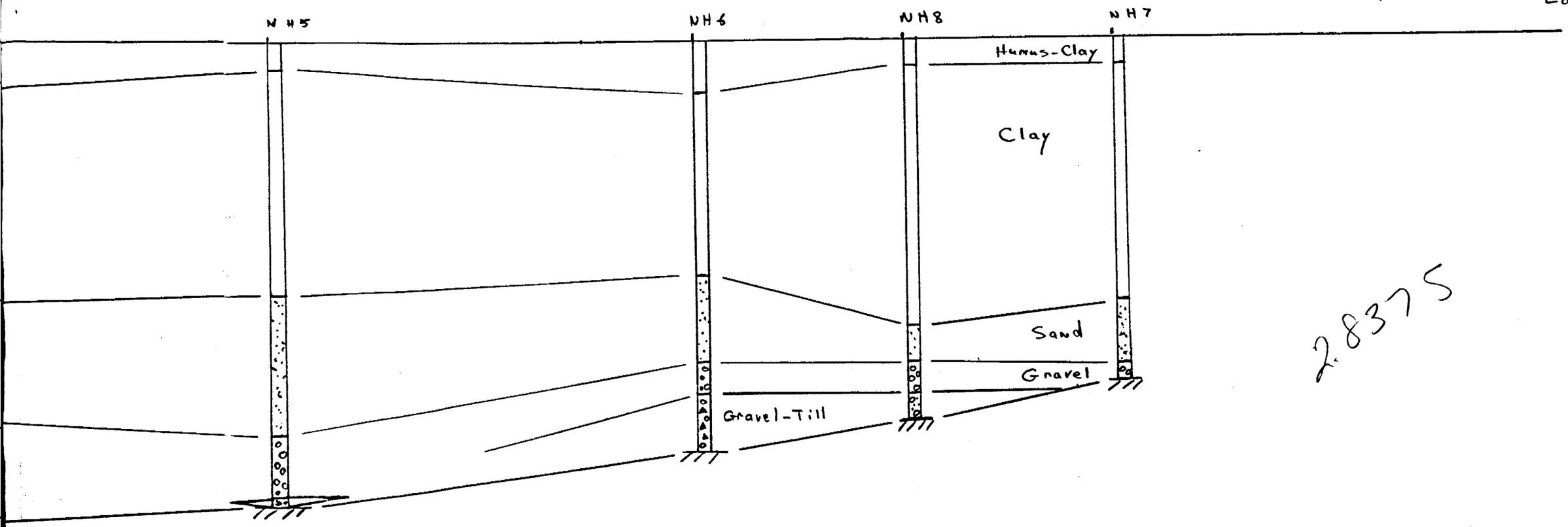
Scale 1"-400'

Drawn by: E.VH
Date: Aug 20/85

WEST



East



2.837 S

Matheson Twp. Claims

Overburden X-Section

Scale - Horizontal 1" = 100'
Vertical 1" = 20'

Drown by E.VH.
Date Aug 20/85.

W8506.00219

Ministry of Natural Resources
Ontario

Report of Work
(Geophysical, Geological, Geochemical and Expenditures)

#219
2

Minii

42A11SE0048 2.8375 MATHESON

900

Type of Survey(s): Basal Till. Overburden Sampling
Township or Area: Matheson
Claim Holder(s): Pamour Porcupine Mines Ltd.
Prospector's Licence No.: T498
Address: P.O. Bag 2010 Timmins
Survey Company: ~~Same~~ AMEX Ltd.
Date of Survey (from & to): 2 6 85 12 6 85 (Day Mo. Yr. Day Mo. Yr.)
Total Miles of line Cut: —
Name and Address of Author (of Geo-Technical report): ED. VAN HEES (Address as above)

Credits Requested per Each Claim in Columns at right

Special Provisions		Days per Claim
For first survey: Enter 40 days (This includes line cutting)	Geophysical - Electromagnetic	
	- Magnetometer	
For each additional survey: using the same grid Enter 20 days (for each)	- Radiometric	
	- Other	
	Geological	
	Geochemical	

Man Days		Days per Claim
Complete reverse side and enter total(s) here	Geophysical	
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	Geological	
	Geochemical	

Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Radiometric	

RECEIVED
JUN 26 1985
Porcupine Mining Division

Expenditures (excludes power stripping) (Sect 77-19)
Type of Work Performed: Percussion Overburden Drilling
Performed on Claim(s): P779811, 12, 13

Calculation of Expenditure Days Credits
Total Expenditure: $ 3900.00 ÷ 15 = Total Days Credits: 260

Instructions
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Date: 26/6/85 Recorded Holder or Agent (Signature)

Mining Claims Traversed (List in numerical sequence)

Prefix	Mining Claim Number	Expend. Days Cr.
P	779810	65
	811	65
	812	65
	813	65

Prefix	Mining Claim Number	Expend. Days Cr.

RECEIVED
JUN 28 1985
MINING LANDS SECTION

RECORDED
JUN 26 1985
Receipt No. 9

Total number of mining claims covered by this report of work: 4

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
260	June 26/85	[signature]
	Date Approved as Recorded: 85.8.30	Branch Director: DK. [signature]

Certification Verifying Report of Work

I 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 and the annexed report is true.

Name and Postal Address of Person Certifying: E. VAN HEES % Pamour Expl. P.O. Bag 2010 Timmins ONT P4N 7X7

Date Certified: 26/6/85 Certified by (Signature): [signature]

1362 (81/9)

REGISTERED

August 15, 1985 Report of Work #219

Pamour Porcupine Mines Ltd
P.O. Bag 2010
Timmins, Ontario
P4N 7X7

Attention: E. Van Hees

Dear Sir:

RE: Mining Claims P 779810, et al, in
Matheson Township

I have not received the reports and maps (in duplicate) for the Percussion Overburden Drilling Survey on the above-mentioned claims.

As the assessment "Report of Work" was recorded by the Mining Recorder on June 26, 1985 the 60 day period allowed by Section 77 of the Mining Act for the submission of the technical reports and maps to this office will expire on August 25, 1985.

If the material is not submitted to this office by August 25, 1985 I will have no alternative but to instruct the Mining Recorder to delete the work credits from the claim record sheets.

For further information, please contact Mr. Arthur Barr at (416)965-4888.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone:(416)965-4888

A. Barr:mc

cc: Mining Recorder - Timmins, Ontario

Mining Lands Section

File No 28375

Control Sheet

TYPE OF SURVEY

____ GEOPHYSICAL

____ GEOLOGICAL

____ GEOCHEMICAL

✓ EXPENDITURE

MINING LANDS COMMENTS:

< Matheson >

Lgd.

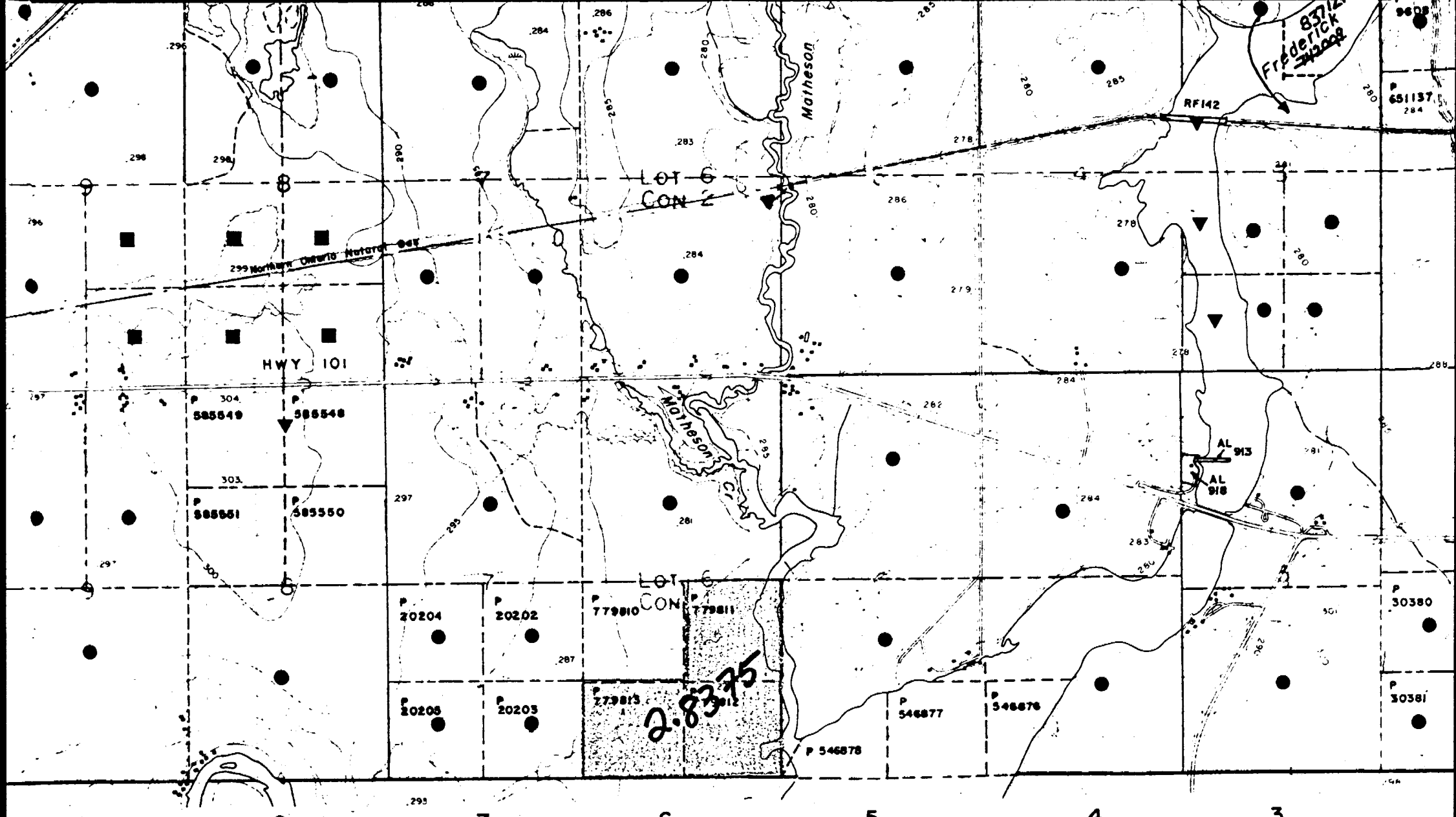
L.D.

Dennis K.

Signature of Assessor

Aug. 29/85

Date



CODY TWP. G-3994

Matheson Twp.