



42A14NE8705 2.1137 REAUME

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2.1137

RECEIVED

JAN 29 1973

PROJECTS
SECTION

Estall Mining Ltd
~~TEXAS GULF, INC.~~

REPORT ON REVERSE CIRCULATION
OVERBURDEN DRILLING
IN
REAUME TOWNSHIP

CLAIMS:	P 317771	P 339666
	P 317761	P 339667
	P 317760	P 333536
	P 317759	P 333537

January, 1973

C. C. McLeod

REPORT ON OVERBURDEN SAMPLING PROCEDURE

General Statement

Bradley Brothers Limited was contracted to drill a number of reverse circulation overburden drill holes in Reaume Township during the month of October, 1973.

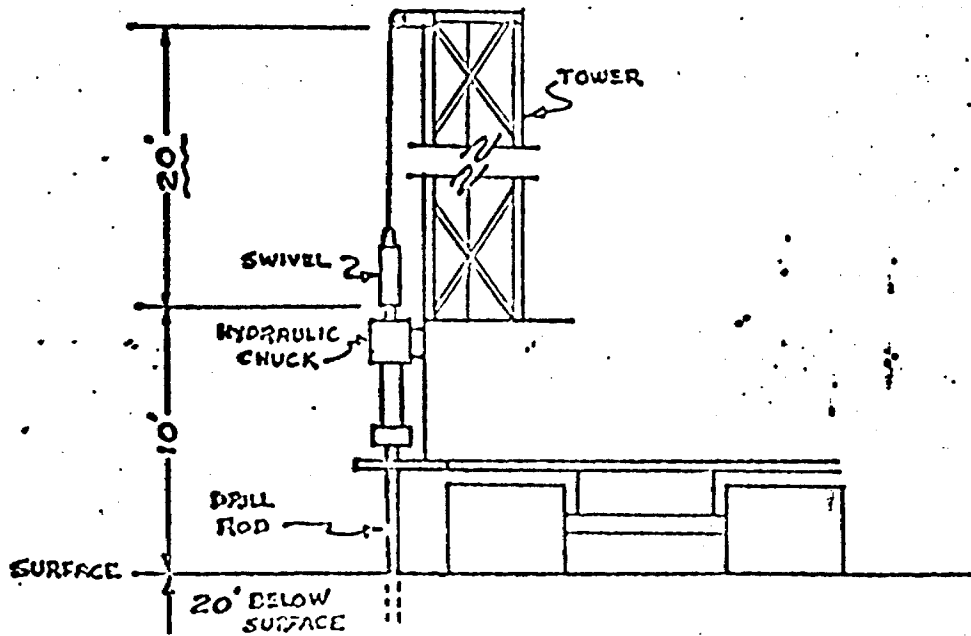
The equipment consists of a hydraulic drill mounted on a Nodwell Flextrac equipped with a collapsible tower and a 600 gallon water tank.

The water is pumped down the outer tube of the drill rod and in turn forces the overburden material back up through the inner tube and out through a 2½" diameter rubber hose to the sampling area where it is emptied into a container and a representative sample is taken.

Depth Measuring Procedure

A hole is started by piecing together a 30' length of drill rod, which when in place, has the tri-cone bit resting on the ground surface and the top where the swivel is attached at the full height of the tower. Then this first length is turned into the ground to its full extent, 10' of that is still above ground and is the distance measured between the surface of the ground and the top of the hydraulic chuck.

This means of course that 20' of rod is down the hole. Hereafter, 20' lengths are made up and added each time a length is down the hole. As the rods are made up of 10' lengths joined together, it is a simple matter to note the total depth of the hole by just noting each time a 20' length was added including the first 20' length at the beginning and then by noting the total length of rod above the chuck at any given time, the tower being marked off at half foot intervals. As each different layer of material is noticed the depth at which it was encountered is noted along with a description of the material.



Sample Collecting Procedure

A 20 gallon plastic container is placed directly under the return hose and as material is returned it is constantly examined to determine the type of material; organic, clay, varved clay, silty clay, sand, gravel, basal-till, boulder, bedrock.

As each new horizon is reached the return hose is placed over a clean container and the previous container sampled and washed out for re-use.

A 10 to 15 pound representative sample is taken for each horizon provided sufficient material has been returned. The sample is placed in a heavy plastic bags and labelled as to hole number and section and taken to the laboratory.

Laboratory Procedure

All samples below the varved clay horizon are washed through a series of stainless steel screens; #10, #80, and #200. The +10, -10+80, and -80+200 fractions are dried, bagged and labelled individually for future use.

-10+80 Fraction

A 100 gram portion is taken of each sample and subjected to "Heavy Mineral Separation" in Tetra bromoethane, S.G. 2.96.

The heavy portion is split off, washed with acetone and split into 2 portions.

One portion is sent to Bondar-Clegg and Company Limited for geochemical determinations by atomic absorption for the following elements: Cu, Zn, Ni and Ag.

Bondar-Clegg Procedure

1. Heavy mineral concentrate ground (2.9 s.g.) to -100 mesh and any steel fragments removed.
2. 0.5 gm. portion of sample weighed out on tortion balance.
3. Digest with 1.5 mls. conc. HNO_3 for 30 minutes in water bath at 95°C . Then add 0.5 ml. conc. HCl and digest 1.5 hrs.
4. Add 10 ml. distilled water and shake mixture.
5. Run Atomic Absorption.

Sensitivity

Can read down to 1 ppm for Cu, Zn, Ni, and to 0.2 ppm for Ag to $\pm 10\%$ accuracy.

12 11 10 9 8 7

ROAD TO COLT PANE



V

IV

III

II

P 317772	P 317773	P 317774	P 317775				
P 317771	P 317772	P 317773	P 317774				
P 317755	P 317756	P 317757	P 317758	P 333525	P 333526	P 333527	P 333528
P 339666	P 339667	P 339668	P 339669	P 339672	P 339673	P 339674	P 339675
P 339669	P 339670			P 339675	P 339676		
P 339670	P 339671						
P 339676	P 339677	P 339678					
P 317777	P 339679	P 339680					
P 317778	P 339680	P 333531					

CANCELLED

SUBDIVISION

REAUVE Twp

Scale 1" = 1/2 mile

REAUVE TWP

PROJECT _____ DATE October 12, 1972
 TOWNSHIP REAUME LOT 11 CON V SAMPLER McLeod & Thompson

Graphic Log	Sample No.	REMARKS
3		0-3' Organic
22	3-22-A	3-22' Silty Clay
39.5	22-39.5-B	22-39.5' Varved Clay
62	39.5-50-C 50-62-D	39.5-62' Sand and Gravel with cobbles
68	62-68-E	62-68' Argillite with trace of Pyrite on bedding planes ?

Leary & Thompson

Analysis (H.M.)							Wt	Remarks
Cu	Pb	Zn	Ni	Au	Ag			
A								
B								
C	490		345	167		1.1		
D	218		250	178		0.9		
E								
F								
G								
H								
I								
J								
K								
L								

Geochemical Lab Report

Action Cu, Zn, Ni, Ag - HNO_3 -HCl Report No. 1199-2
 Method J.L.L. From Mr. Gary McLeod - Texan Gulf Inc.
 Fraction Used -100 rocks Date November 17, 19 72.

SAMPLE NO.	Cu ppm	Zn ppm	Ni ppm	Ag ppm			REMARKS
H-72-140-C	119	28	100	1.2			
H-72-141-C	272	175	128	1.2			
H-72-142-B	72	45	128	0.8			
H-72-144-C	52	42	80	0.9			
-D	197	193	193	1.9			
H-72-145-C	90	65	79	0.9			
H-72-146-C	490	345	167	1.1			
-D	218	250	178	0.9			
H-72-147-C	26	36	20	0.6			
-D	25	40	22	0.7			
H-72-148-B	37	58	42	0.6			
-C	36	57	57	0.6			
-D	25	258	143	0.9			
-E	100	113	164	1.0			
-F	136	50	300	1.2			
-G	360	175	166	1.2			
H-72-149-B	86	53	55	0.9			
-C	53	80	55	0.8			
-D	144	75	310	0.8			
-E	144	80	100	0.8			
-F	590	500	186	1.0			
-G	490	365	164	1.0			
-H	62	46	135	1.0			
-I	690	540	230	1.0			
H-72-150-C	59	47	63	0.8			
-D	106	88	235	1.0			
H-72-151-C	40	129	80	1.2			
-D	100	106	340	1.2			
H-72-152-C	53	179	114	1.6			
-D	91	65	135	1.0			
-E	98	73	300	1.0			

Reamed 51-52

1199

Reaume

File 1-317771

#15



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

900

To the Recorder of Mining Division
I, ~~.....~~ ECSTALL MINING LIMITED ~~.....~~ T.1
name of Recorded Holder Miner's Licence

Box 175 Suite 5000 Commerce Court, Toronto M5L 1E7
Post Office Address

do hereby report the performance of 305 days of Reverse Circulation Overburden Drilling
type of work

not before reported to be applied on the following contiguous claims

Claim No.	Days	Claim No.	Days	Claim No.	Days
P 317771	32	P 333536	50		
P 317761	32	P 333537	60		
P 317760	32				
P 317759	33				
P 339666	33				
P 339667	33				

All the work was performed on Mining Claim (s) All
(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)

Logs from 12 holes: C.C. McLeod
 Geochemical Results: Bondar-Clegg
 Receipts from Drilling: Bradley Bros.
 Report on Procedures: C.C. McLeod
 Map showing location of holes:
 Crew: F. Thompson; Logging & Sampling
 C.C. McLeod; Supervisor
 Dates: Field October 11-17 (F. Thompson & C. McLeod)
 Office October 19-21 (C.C. McLeod)

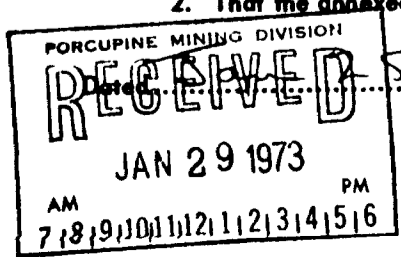
Date Jan 25/73
Signature of Recorded Holder or Agent *Caryl McLeod*

The Mining Act
Certificate Verifying Report of Work

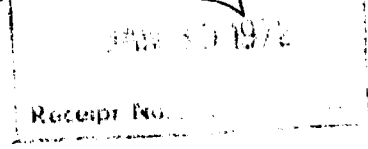
I, C.C. McLeod
Texas Gulf, Inc., Box 175, Suite 5000, Commerce Court, Toronto M5L 1E7
(Post Office Address)

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.



Signature *Caryl McLeod*



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

DATE
November 28, 1972

AMOUNT
\$602.98*



PAY TO THE ORDER OF

Bondar-Clegg & Company Limited
768A Belfast Road (M.R.1)
Ottawa 8
Ontario

Ecstall Mining Limited
TORONTO OFFICE ACCOUNT

L. J. Henry
NOT NEGOTIABLE
St. Paul Smith

CANADIAN IMPERIAL BANK OF COMMERCE
25 KING STREET WEST
TORONTO, ONTARIO

⑆00002⑆010⑆ 33⑆26314⑆

PLEASE DETACH BEFORE DEPOSITING Ecstall Mining Limited • TORONTO-DOMINION CENTRE, TORONTO, ONTARIO

ITEMS	AMOUNT	BALANCE
Per attached copies		\$602.98*

No 0775

ENTERED	<i>[Signature]</i>
AUDITED	<i>[Signature]</i>
APPROVED FOR PAYMENT	<i>[Signature]</i>

CHECK AMOUNT: 1,129.2

CHARGE:
76-023-817-13

ASA

BONDAR-CLEGG & COMPANY LTD.

geochemists • assayers • analytical chemists

768 A BELFAST ROAD (M.R. 1), OTTAWA 8, ONTARIO
PHONE: 237-3110

TELEX: 013-3548

Mr. Cary McLeod,
Texas Gulf Sulphur Company,
P.O. Box 149,
Toronto Dominion Centre,
Toronto 1, Ontario.

INVOICE: 9614

DATE: November 17, 1972.

REPORT NO: 1199-2

PROJECT:

52	Analyses of Copper	@ \$1.00	\$52.00
52	Analyses of Zinc	@ .50	26.00
52	Analyses of Nickel	@ .50	26.00
52	Analyses of Silver	@ .50	26.00
52	Sample Prep. (rocks)	@ .75	39.00

\$169.00

No 0775

AUDITED
APPROVED
FOR PAYMENT

EM-2

CHECK AMOUNT

169.00

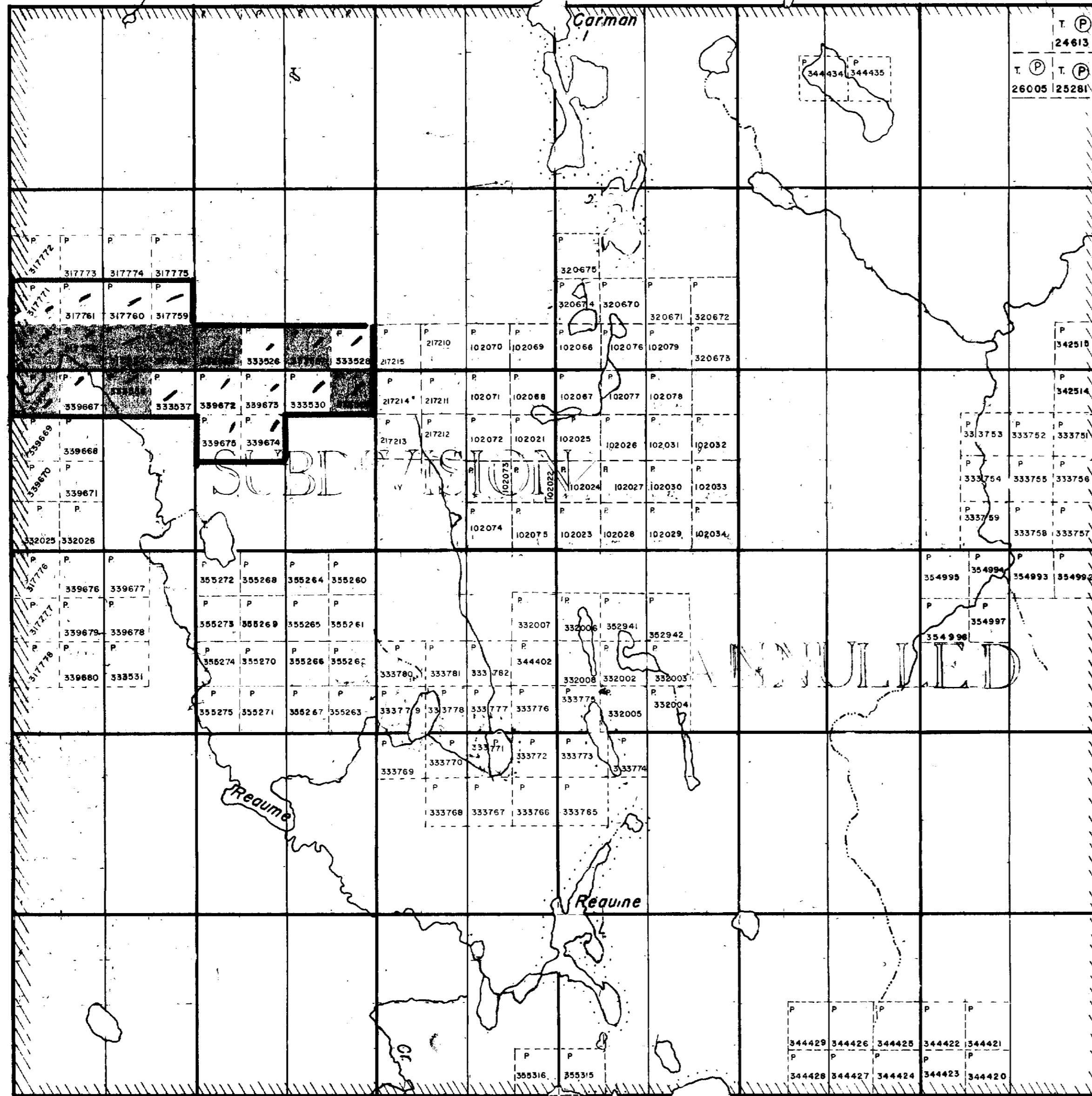
CHARGE:

76-023-817-13

Beck Twp.

Fournier Twp.

Garman



12 11 10 9 8 7 6 5 4 3 2 1

Duff Twp.

VI

V

IV

III

II

I

Hanna Twp.

THE TOWNSHIP OF
OF
REAUME
DISTRICT OF COCHRANE
PORCUPINE MINING DIVISION

SCALE: 1-INCH=40 CHAINS

LEGEND

PATENTED LAND	(P)
CROWN LAND SALE	C.S.
LEASES	(L)
LOCATED LAND	L.O.C.
LICENSE OF OCCUPATION	L.O.
ROADS	
IMPROVED ROADS	
RAILWAYS	
POWER LINES	
MARSH OR MUSKEG	

NOTES

400' Surface Rights Reservation around all Lakes and Rivers.

ENTIRE SUBDIVISION ANNULLED BY ORDER OF THE SURVEYOR GENERAL FILE 112122.

MINING LANDS -
DATE OF ISSUE
FEB 27 1973
MINISTRY OF NATURAL RESOURCES

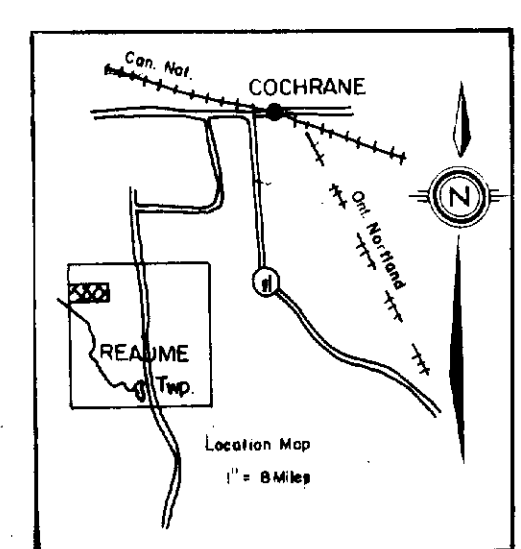
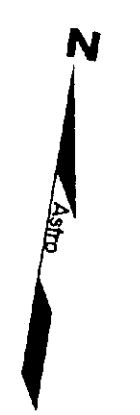
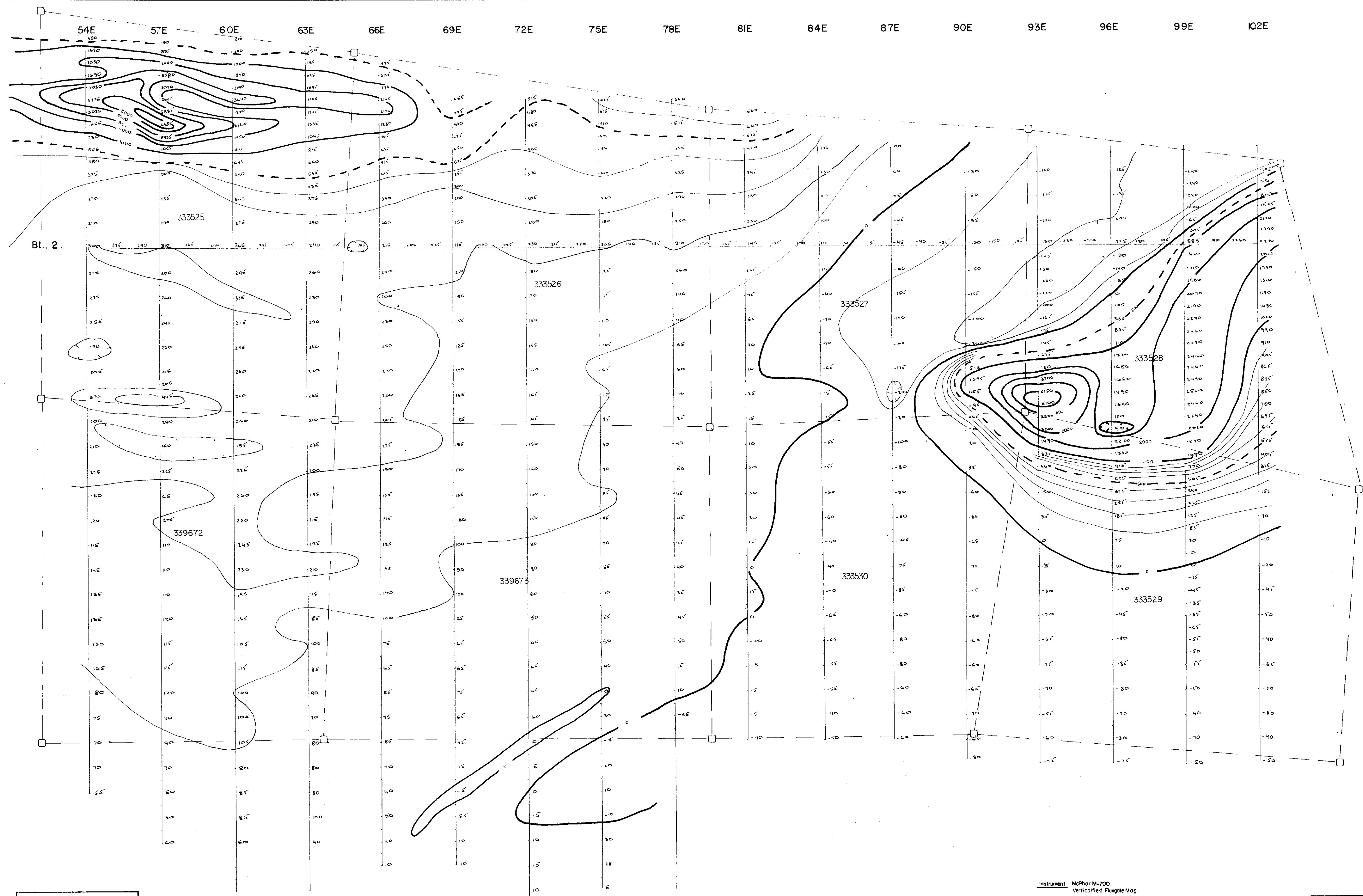
PLAN NO. - M-576

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

2.1137

GEM.





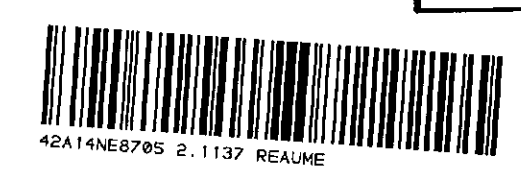
Instrument: MPhar M-700
Verticalfield Fluxgate Mag.

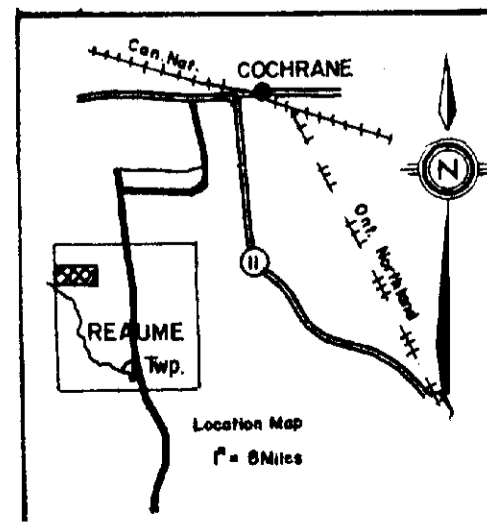
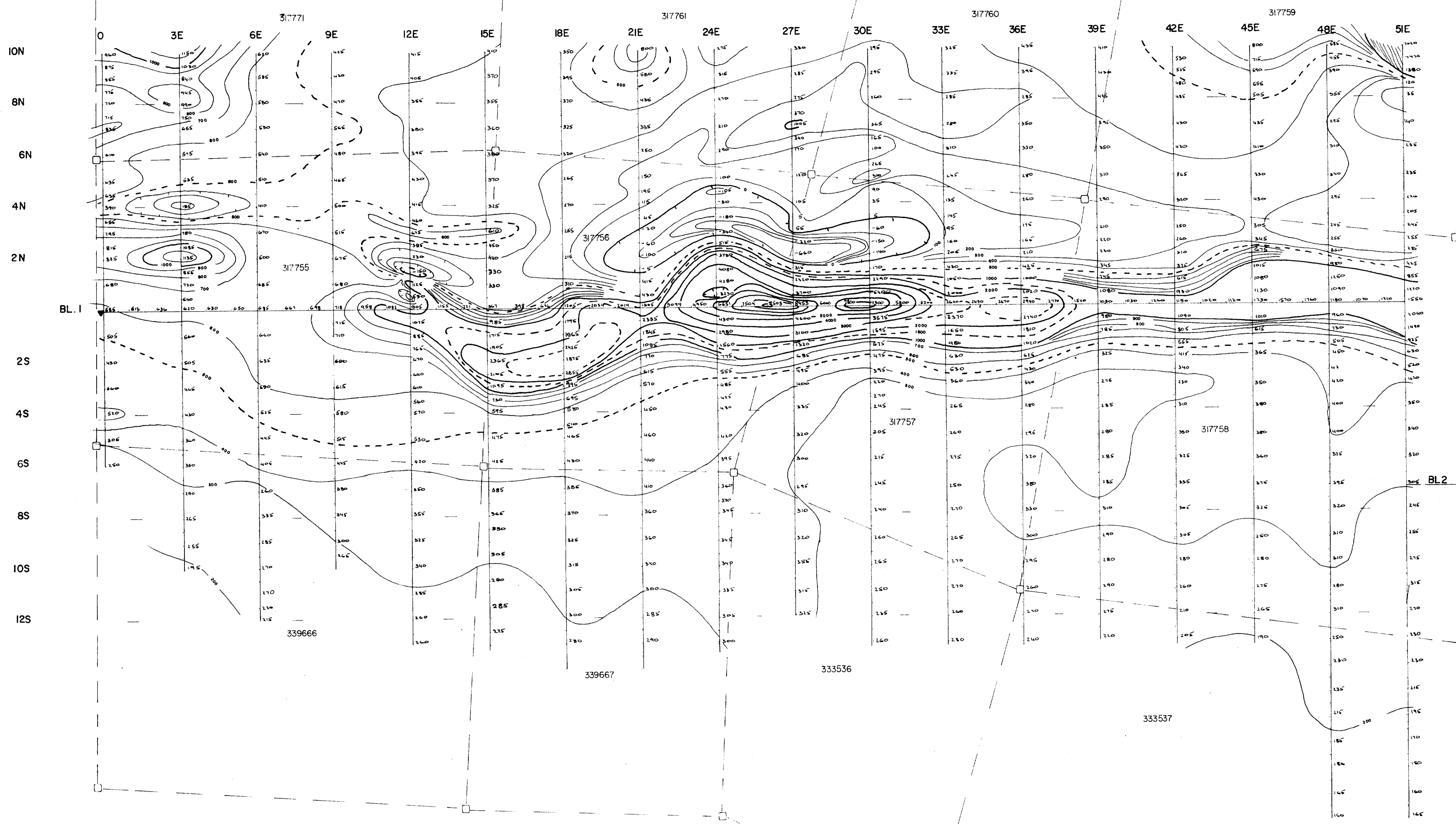
SCALE: ONE INCH = 200' 2-1137

East Sheet

MAGNETIC SURVEY REAU ME 51		
WIRE BY	DRAWN BY	DATE
	jP	Oct 1972

J. A. Stiles 16/2/75





Instrument: McPhar M700
 Vertical field Fluxgate Mag.
 Magnetic Base Station O+00 on BL

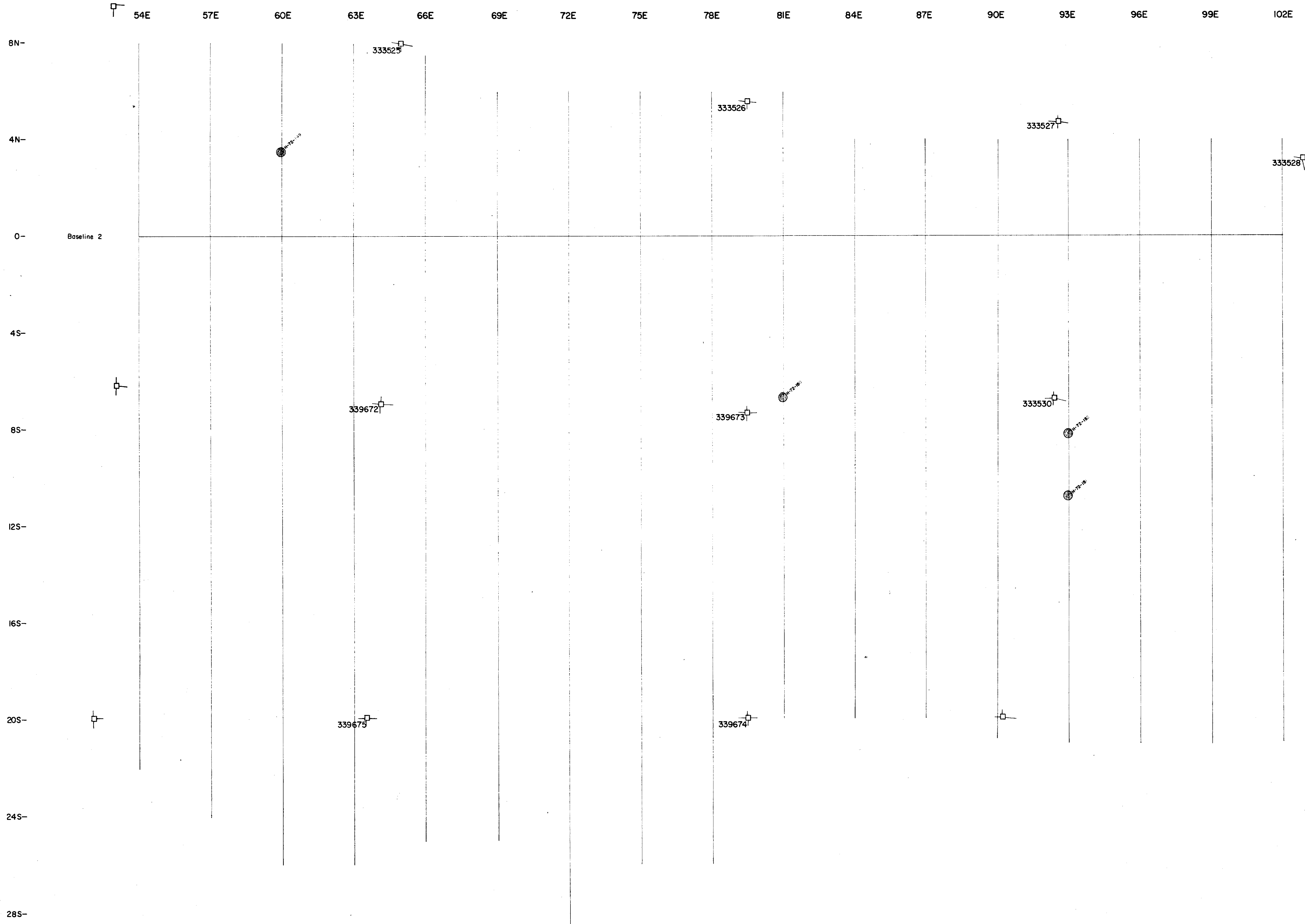
SCALE: ONE INCH = 200'

ECSTALL MINING LIMITED		
MAGNETIC SURVEY		
REAUME 51 2-1137		
WORK BY	DRAWN BY	DATE
	JP	Oct. 1972

West Sheet

A. Scott 16/2/73



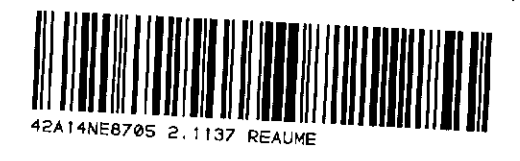


Leary
2.1137

SCALE: ONE INCH = 200'

East Sheet

TEXAS GULF SULPHUR CO.		
REVERSE CIRCULATION OVERBURDEN DRILLING		
REAUME 51		
WORK BY	DRAWN BY	DATE
	J.K.	November 1972



230

2.1137

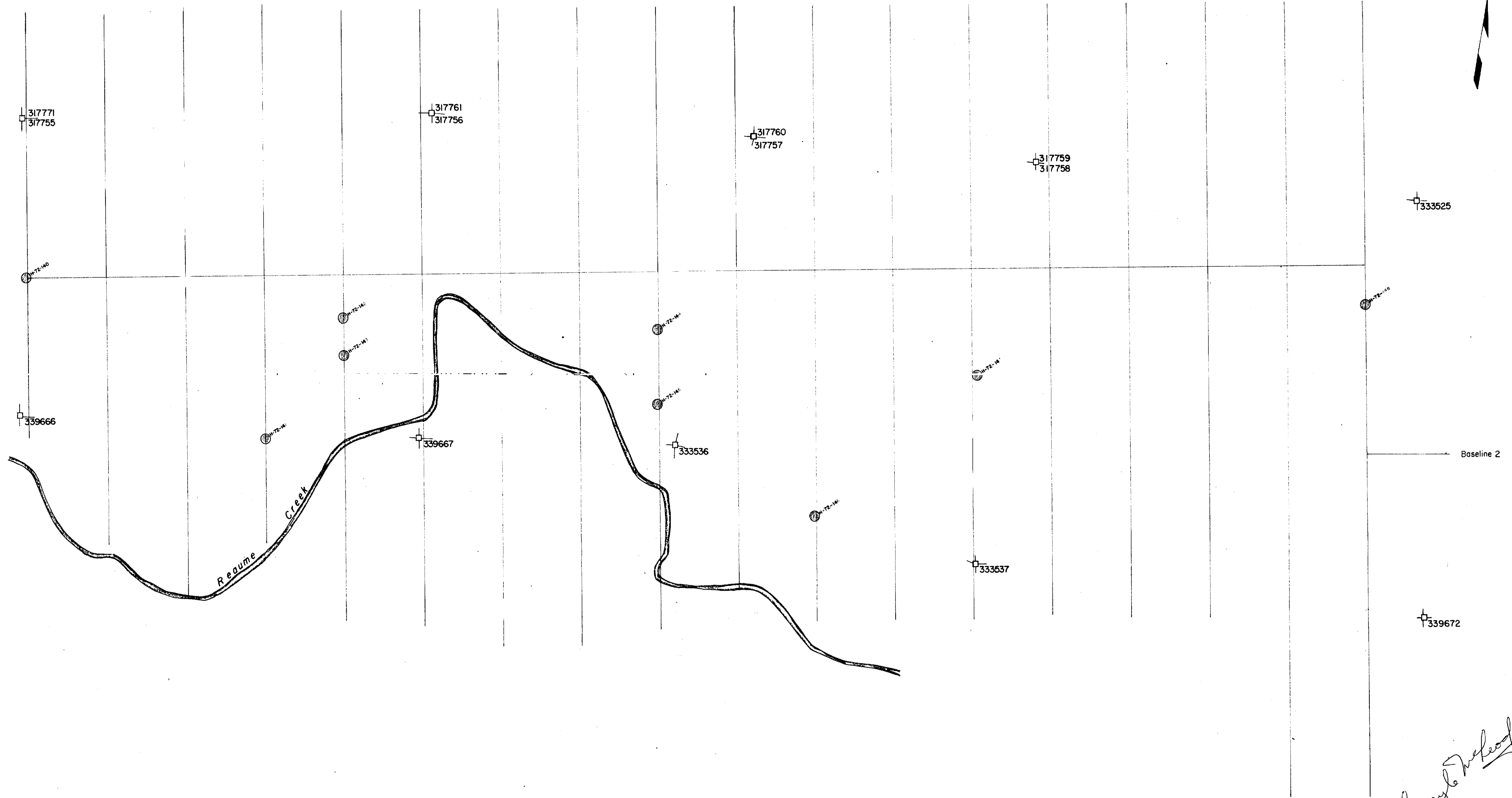
0 3E 6E 9E 12E 15E 18E 21E 24E 27E 30E 33E 36E 39E 42E 45E 48E 51E

8N-
4N-
0-
4S-
8S-
12S-



Baseline-1

Baseline 2



Reaume
Creek

George W. Reed

SCALE: ONE INCH = 200'

TEXAS GULF SULPHUR CO.		
REVERSE CIRCULATION OVERBURDEN DRILLING		
REAUME 51		
WORK BY	DRAWN BY	DATE
	J.K.	November 1972

West Sheet



240

2-1137