

42A106W0225 2.5957 MACKLEM

010

Report On  
Overburden Drill Program  
Aquarius Project  
Macklem & German Townships, Ontario  
October 17, 1983.

**RECEIVED**

OCT 28 1983

MINING LANDS SECTION

By  
Asarco Exploration Company of Canada Limited  
On Behalf Of  
Lac D'Amiante du Quebec, Ltee.



42A10SW0225 2.5957 MACKLEM

010C

Table of Contents

Pg.

Summary.....	1
Location and Access.....	1
Property.....	1 & 2
Previous Work.....	2 & 3
May 1983 Overburden Drill Program.....	4
Pleistocene Geology.....	5 & 6
Conclusions.....	6

Appendices

Property Location Map

Drill Hole Location Map

Drill Logs for Drill Holes AQ-83-1 to AQ-83-8, inclusive

Invoice Supported Expenditures:

Bradley Brothers Limited - Holes AQ-83-1 to AQ-83-8, inclusive

List of Claims Submitted for Assessment

Overburden Drill Sections (Plates I, II and III)

### Summary

Eight reverse circulation overburden holes totalling 1,057 feet were drilled by Bradley Brothers Limited on the claims of Lac d'Amiante du Quebec Ltee. during May 1983. These holes were drilled to follow up gold anomalies detected from profile lines drilled in 1981 and 1982.

### Location and Access

Many of the claims are easily accessible along a gravel road which runs south from Highway 101 at a point 0.6 miles east of the junction of Highway 101 with Highway 67. The easternmost claims are readily accessible from Highway 101 by means of the Gibson Lake gravel road. The westernmost claims (lake claims) are accessible from Highway 101 by means of the gravel road that extends to the Night Hawk Retreat tourist camp and trailer park. Holes AQ-83-1 to AQ-83-8, inclusive are located in the northeast corner of the claim block on the east side of the Gibson Lake road.

### Property

The Aquarius property consists of 135 contiguous claims, numbered as follows:

P512781 to P512732 inclusive  
P528597 & P528598  
P528716 to P528723 inclusive  
P545387 to P545398 inclusive  
P546727  
P546915

Property Continued...

P565355 to P565383 inclusive  
P565407 to P565432 inclusive  
P663441 to P663444 inclusive

One hundred and seventeen (117) claims lie in the northern and northwestern portions of Macklem Township. Twelve claims lie in German township, immediately north of the German-Macklem Township line and six claims lie in the northeast corner of Cody Township. Twelve claims in Macklem Township have been brought to lease.

Previous Work

Exploration work has been conducted in the general area during several periods of activity dating back to the 1920's and 1930's.

Paradee Amalgamated Mines Limited explored the area during the early 1940's and eventually sank a shaft and did some underground exploration work on the old Aquarius gold prospect which lies approximately one mile south of the German-Macklem boundary and approximately 0.65 miles east of Nighthawk Lake.

In 1959 and 1960 Hollinger Consolidated Gold Mines Limited carried out some geophysical surveys and drilled one hole in the SW $\frac{1}{4}$  of the S $\frac{1}{2}$  of Lot 1, German Township.

In 1969 and 1970 the Canadian Nickel Company carried out geophysical surveys over the N.E. Bay of Nighthawk Lake and over twenty-nine claims to the east of the lake. They drilled

Previous Work Continued...

four holes to test E.M. conductors.

Asarco staked claims in the area during 1978 and did a considerable amount of geophysical work and overburden drilling during 1979. Anomalous gold values were encountered in overburden and/or bedrock in a few of the drill holes. A diamond drill commenced work on the property during 1980 and immediately encountered significant intersections of gold mineralization in the bedrock. Additional claims were staked and several more diamond drill holes and overburden holes were drilled during the spring and summer of 1980.

Ownership of the claims was transferred from Asarco Exploration Company of Canada Limited to Lac d'Amiante du Quebec Ltee. on July 23, 1981.

An overburden drilling program was completed over two portions of the claim area during 1981.

In 1982 further overburden drilling was completed over much of the property.

An exploration shaft and a first stage underground exploration phase has also been completed approximately 0.6 miles south of the German-Macklem boundary at 1.3 miles east of Nighthawk Lake.

May 1983 Overburden Drill Program

A total of eight holes were drilled to follow up gold anomalies obtained in overburden basal samples during drill programs in 1981 and 1982. Glacial striae on outcrops in the general area indicate glacial advance along lines trending 150° to 170°. Therefore these eight follow up holes were drilled along lines trending 330° to 350° or 'up ice' from previously drilled holes which were anomalous in order to delineate diamond drill targets.

The overburden drill provided by Bradley Bros. Limited consists of a Longyear 1-38 drill modified for dual-tube reverse circulation drilling. The drill is mounted on an eighteen ton diesel FN160 Flextrack Nodwell, and has a hydraulic derrick capable of handling twenty feet of rods.

In each hole, continuous sample return was logged and monitored through the complete Pleistocene section, and bedrock chips were collected for several feet into bedrock. Whenever till was identified or suspected, samples of the minus 10 mesh material were collected. These samples would average about fifteen pounds each. A large amount of the plus 10 mesh pebbles and boulder chips were included with each sample to assist in studies of till composition.

### Pleistocene Geology

Throughout most of the Aquarius property one or more tills occur at the base of the Pleistocene section. From previous drilling the thickness of the till portion of the section ranges from 0 to greater than 140 feet. This unit is overlain by a sand and gravel horizon which ranges in thickness from 0 to 20 feet. This horizon probably resulted from the washing and reworking of the underlying till. The sand and gravel unit is, in turn, overlain by varved clays, slightly silty clays and lacustrine silt and fine sand which were deposited from Glacial Lake Barlow-Ojibway.

Holes AQ-83-1 to AQ-83-8 inclusive which were drilled in the northeastern corner of the claim block as follow up holes to previously drilled reconnaissance profiles, encountered a fairly well defined sequence of clays, silt and fine sand representing a greater portion of the Pleistocene section. These lacustrine sediments either resulted from Glacial Lake Barlow-Ojibway or reworked material from the Frederick House esker or a combination of both.

Towards the base of the section, all the holes intersected a basal clastic unit of sand and gravel, till or a combination of the two. Occasionally, till is interbedded with the sand and gravel as in holes AQ-83-2, AQ-83-3 and AQ-83-7 which indicates that the basal till was only partially reworked. Often as in holes AQ-83-4 the till has not been reworked and no sand and gravel is encountered. In holes AQ-83-1, AQ-83-5,

Pleistocene Geology Continued...

AQ-83-6 and AQ-83-8 the till has been completely reworked to a sand and gravel basal clastic unit.

Conclusions

All of the eight holes drilled intersected a basal clastic unit of sand and gravel, till or a combination of both. Since none of the basal units were highly anomalous in gold in the heavy mineral concentrates, it can be concluded that the source of gold for the anomalous reconnaissance holes 'down ice', has been pinned down adequately for diamond drill testing.

Respectfully submitted,



Alex S. Horvath

Qual. 2.5195



DATE MAY 18/83 HOLE NO. AQ-83-1 GEOLOGIST A.S. HORVATH + P. MIELKE  
 DRILLER ROY FOURNEL HOLE LOCATION L17W+1100S  
 BIT NO. 8000043 FOOTAGE ON BIT \_\_\_\_\_  
 HOURS MOVE \_\_\_\_\_ HOURS DRILL 9:45-12:45 OTHER \_\_\_\_\_

Depth	Graphic Log	SAMPLE NO.	DESCRIPTIVE LOG	ANALYSES					
0-10			NO RETURN: SILT WASHING OUT TOP OF HOLE						
10-20			SILT w f. sand grading slightly coarser, occasional clay lense (probably lacustrine silt, sand, high qtz content, well sorted)						
20-30			----- clay seam SAND w occasional clay seam and silt						
30-40			----- clay seam SILT w some minor clay; f. sand						
40-50			- - - - - slightly more clay - clay seams?						
50-60			- - - - - SILT w f. sand						
60-70			GREY CLAY w lenses of BROWN CLAY v. minor silt, varved?						
70-80			SILTY CLAY GRADING TO SILT						
80-90			poor return						
90-100			SAND w minor silt faintly well sorted, no pebbles						

DATE MAY 18/83 HOLE NO. AQ83-1 GEOLOGIST A.S. HORVATH + R. MIELKE  
 DRILLER ROY FOURNEL HOLE LOCATION L17GW+1100S  
 BIT NO. B000043 FOOTAGE ON BIT \_\_\_\_\_  
 HOURS MOVE \_\_\_\_\_ HOURS DRILL 9:45-12:45 OTHER \_\_\_\_\_

Depth	Graphic Log	SAMPLE NO.	DESCRIPTIVE LOG	ANALYSES					
110			f. sand w v. minor silt occasional gray clay seam (lacustrine)						
130		AQ83-1-01	COARSE SAND: no silt nor clay						
140		AQ83-1-02	SAND & GRAVEL: WIDE ASSORTMENT OF PEBBLES TYPES BOULDER: DIABASE						
150		AQ83-1-03	BEDROCK: TUFF, DACITIC ALTERED AND PY. STAINED FOR 1 FOOT @ 150.5 ft small 1mm galena cube minor dissem. pyrite cubes (1mm), up to 1% 154 ft. FOOT OF HOLE						





DATE MAY 19/83 HOLE NO. AQ83-3 GEOLOGIST A.S. HORVATH + R. MIELKE  
 DRILLER ROY FOURNEL HOLE LOCATION 178+50W, 18+00S  
 BIT NO. B000043 FOOTAGE ON BIT \_\_\_\_\_  
 HOURS MOVE \_\_\_\_\_ HOURS DRILL 8:30 - 12:00 OTHER \_\_\_\_\_

Depth Graphic Log	SAMPLE NO.	D E S C R I P T I V E    L O G	A N A L Y S E S						
		NO RETURN: SILT & F. SAND WASHING OUT TOP OF HOLE							
10									
20		SAND: MED. GRAINED, SLIGHTLY MUDDY							
30		GREY CLAY SEAM SAND: AS ABOVE							
35		GREY CLAY SEAM SAND: AS ABOVE							
40		GREY CLAY SEAM SAND: AS ABOVE							
50									
60		SAND: C. GRAINED, SLIGHTLY CLAYEY SAND w/ PEBBLES: C. GRAINED, SLIGHTLY CLAYEY							
70									
80		SILT: MINOR CLAY							
90	AQ83-3-01	TILL: SANDY, PEBBLY, CLAYEY SILT TILL							
100		BOULDER: GRANITE							





DATE MAY 19/83 HOLE NO. AQ83-4 GEOLOGIST A.S. HORVATH + R. MIELKE  
 DRILLER ROY FOURNEL HOLE LOCATION 190+50W, 14+00S  
 BIT NO. B000001 FOOTAGE ON BIT \_\_\_\_\_  
 HOURS MOVE \_\_\_\_\_ HOURS DRILL 1:15-3:15 OTHER \_\_\_\_\_

Depth	Graphic Log	SAMPLE NO.	DESCRIPTIVE LOG	ANALYSES						
110	[Dotted pattern]		SILT & F. SAND; OCCASIONAL GREY CLAY SEAM							
120	[Dotted pattern with boulders]	AQ83-4-01	TILL: GOOD CLAY TILL, BOULDERY <del>BOULDERS: DIABASE</del> TILLIAS ABOVE							
130	[Dotted pattern with boulders]	AQ83-4-02								
140	[Hatched pattern]	AQ83-4-03	BEDROCK: MAFIC VOLCANIC FLOW							
			FOH 140 ft.							









DATE MAY 20/83 HOLE NO. A983-6 GEOLOGIST A.S. HORVATH + R. MIELKE  
 DRILLER ROY FOURNEL HOLE LOCATION 400 ft N25°W OF A983-5  
 BIT NO. B000051 FOOTAGE ON BIT \_\_\_\_\_  
 HOURS MOVE \_\_\_\_\_ HOURS DRILL 11:30-3:30 OTHER \_\_\_\_\_

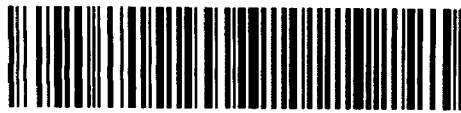
Depth	Graphic Log	SAMPLE NO.	DESCRIPTIVE LOG	ANALYSES					
			<p><u>ORGANICS</u>  <u>BROWN CLAY</u>                      SILT &amp; SAND: GRADING FROM SILT TO SAND,                      RARE SMALL CLAY SEAMS,                      CREAM BROWN COLOURED SILT.</p>						
			<p>SAND: F. GRAINED, GREY, WELL SORTED,                      LACUSTINE</p>						
			<p>----- GREY CLAY SEAM</p>						
			<p>----- GREY CLAY SEAM</p>						



DATE MAY 20/83 HOLE NO. AQ83-7 GEOLOGIST A.S. HORVATH + R. NIELKE  
 DRILLER ROY FOURNEL HOLE LOCATION 400 ft. N25°W of AQ83-6  
 BIT NO. B000070 FOOTAGE ON BIT \_\_\_\_\_  
 HOURS MOVE \_\_\_\_\_ HOURS DRILL 4:00-5:15, 8:30-10:45 OTHER \_\_\_\_\_

Depth Graphic Log	SAMPLE NO.	DESCRIPTIVE LOG	ANALYSES				
0		SANDY SILT: rare clay seams					
10		----- CLAY SEAM					
20							
30		----- CLAY SEAM					
40							
50		----- CLAY SEAM					
60		NO RETURN: PROBABLY SILT, ARTESIAN WELL					
70							
80							
90							
100							





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Type of Survey(s) <b>Overburden Drilling</b>		Township or Area <b>Macklem/German</b>	
Claim Holder(s) <b>Lac d'Amiante du Quebec Ltee.</b>		Prospector's Licence No. <b>T1131</b>	
Survey Company <b>Bradley Bros. Limited, Timmins</b>		Survey Dates (linecutting to office) Day   Mo.   Yr.   Day   Mo.   Yr.	
Name and Address of Author (of Geo-Technical report) <b>A.S. Horvath, Asarco Exploration Co. of Canada Ltd., 350 Bay St., Toronto</b>		Total Miles of line Cut	

Special Provisions Credits Requested

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

Mining Claims Traversed (List in numerical sequence)

Mining Claim			Mining Claim		
Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
P	663441	60			
	663442	60			
	663443	60			
	663444	60			

Man Days

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

Airborne Credits

Instructions	Days per Claim
Note: Special Provisions credits do not apply to Airborne Surveys	

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7:09/10/11/12/11/2/24/5/6  
A.M. P.M.  
ELECTROMAGNETIC  
MAGNETOMETER  
RADIOMETRIC

Expenditures (excludes power stripping)

Type of Work Performed: **Overburden Drilling**

Performed on Claim(s): **P512795 to P512797 Inclusive**

**P512790**

Calculation of Expenditure Days Credits

Total Expenditures	Total Days Credits
\$ 10,719.00	714

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.

Report Completed

Date of Report: **Oct. 17/83**

Recorded By/Holder of Agent (Signature): **A.S. Horvath**

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: **A.S. Horvath, Asarco Exploration Co. of Canada Limited, 350 Bay Street, 12th Floor, Toronto, Ontario M5H 2S6**

Date Certified: **Oct. 18/83**

Certifying (Signature): **A.S. Horvath**

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
240	Nov-11-83	[Signature]
	Date Reported as Recorded	Branch Director
	84.1.10	[Signature]

**RECEIVED**  
NOV 24 1983  
MINING LANDS SECTION

**RECEIVED**  
NOV 1 1983

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







Mining Lands Comments


To: Geophysics

Comments		
<input type="checkbox"/> Approved <input type="checkbox"/> Wish to see again with corrections	Date	Signature

To: Geology - Expenditures Mr. C. Krusta

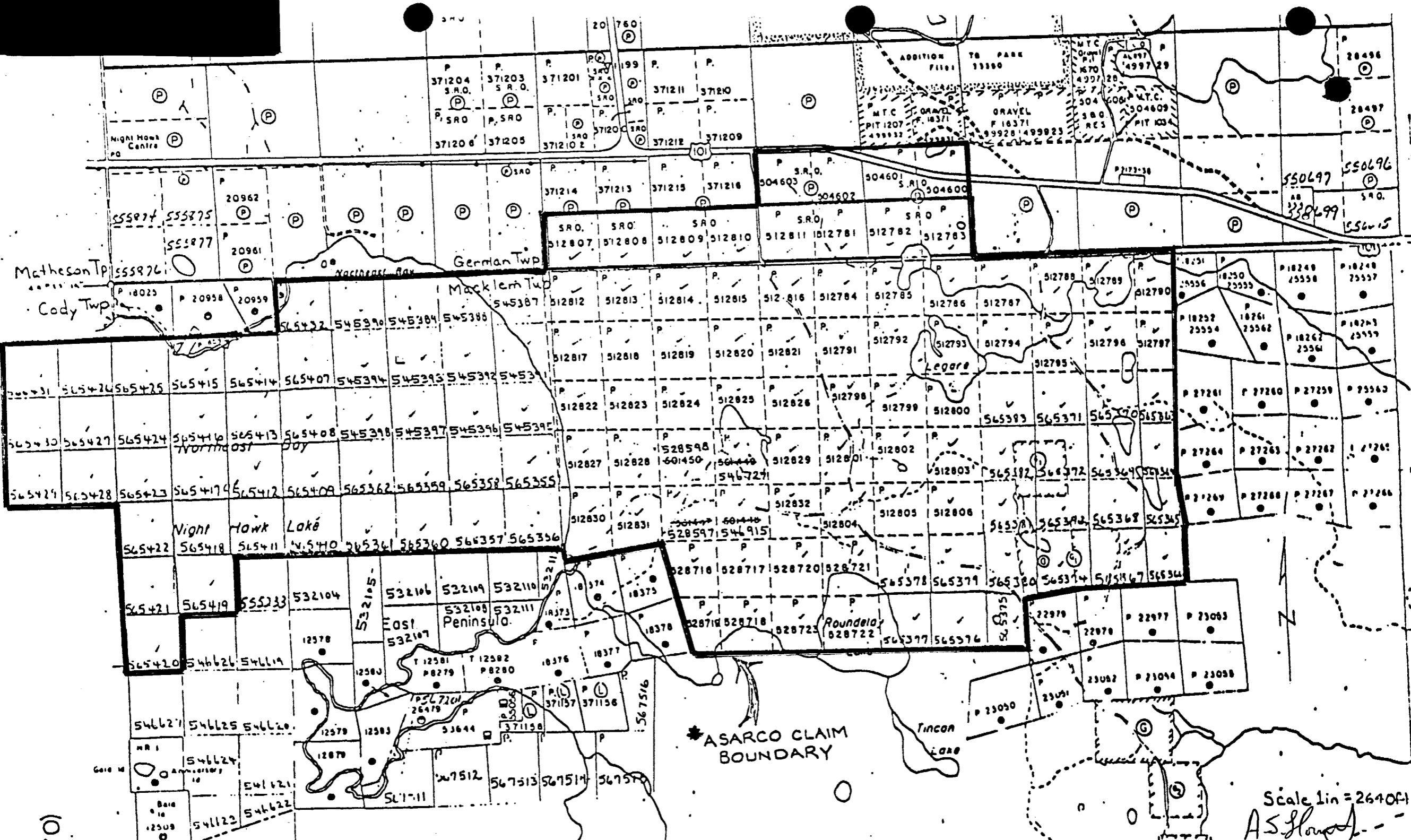
Comments		
<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Wish to see again with corrections	Date Dec. 19/83	Signature Krusta

To: Geochemistry

Comments		
<input type="checkbox"/> Approved <input type="checkbox"/> Wish to see again with corrections	Date	Signature

*LD*

To: Mining Lands Section, Room 6462, Whitney Block. (Tel: 5-1380)



Night Hawk Centre

Matheson Tp  
Cody Twp

German Twp

Macklem Twp

Night Hawk Lake

ASARCO CLAIM BOUNDARY

Tincon Lake

Round Bay

Legare

ADDITION TO PARK  
FILLER 11181 11180

MTC  
Original  
PIT 1207  
499932

GRAVEL  
P 18371  
99928 499923

MTC  
Original  
PIT 103  
380 RES

Scale 1 in = 2640 ft

A.S. Howard

70

NORTHEAST CORNER - AQUARIUS PROPERTY  
1983 OVERBURDEN HOLE LOCATIONS  
SCALE 1" = 500' Oct. /83



L156E

L160E

L164E

L168E

L172E

L176E

L180E

L184E

L188E

L192E

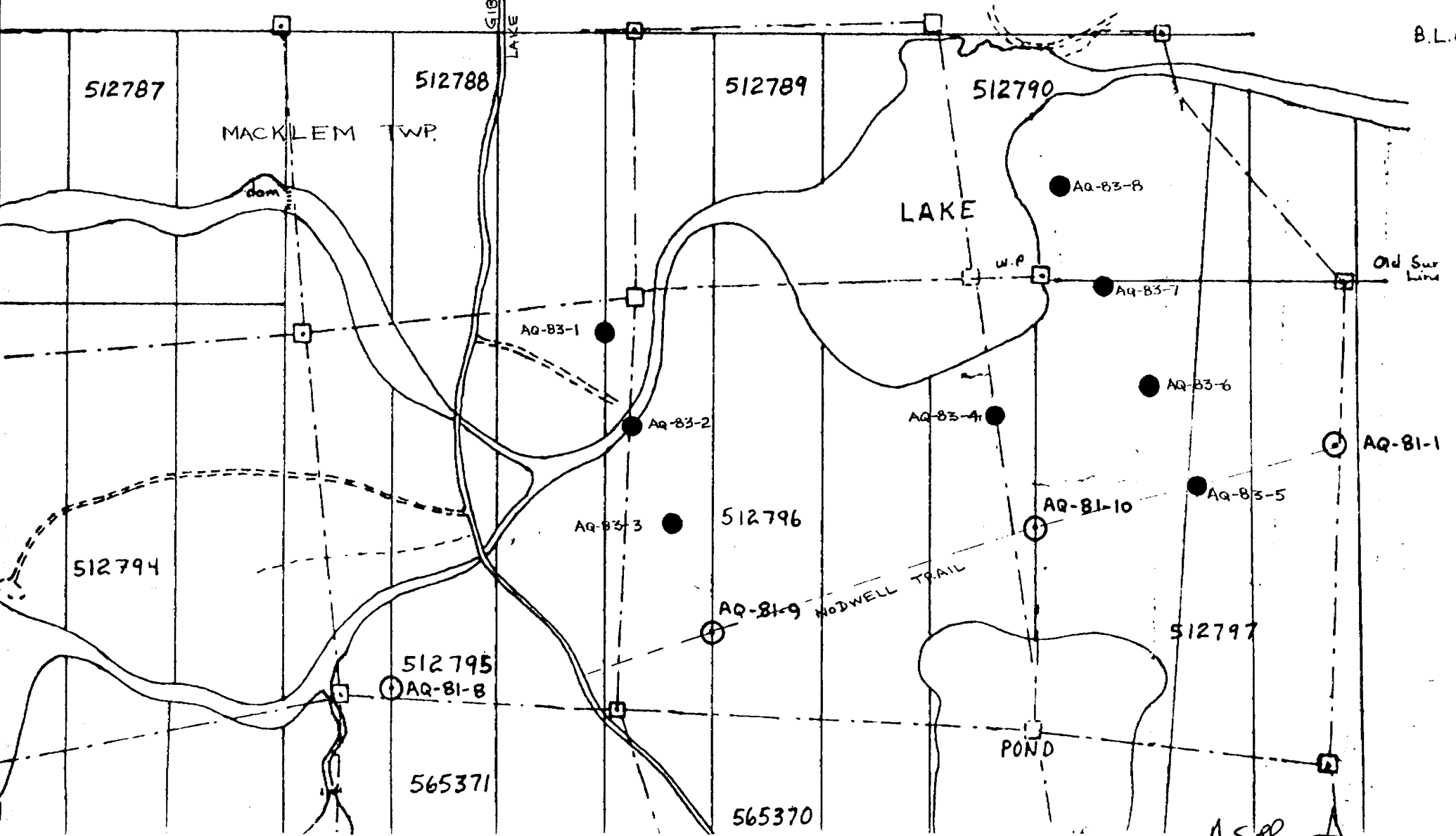
L196E

L200E

L204E

GERMAN TWP.

B.L.O.



A.S. [Signature]

# BRADLEY BROS. LIMITED

May 31, 1983

CONTRACT DIAMOND DRILLING

Asarco Exploration Co. of Canada Ltd.  
12th Floor - 350 Bay Street,  
Toronto, Ontario M5L 2S6

HOLE No.

TO COVER DIAMOND DRILLING FOR

May 18 to 21, 1983  
FOOTAGE COMPLETED

FROM

AQ83-1  
2  
3  
4  
5  
6  
7  
8

Mobilization:

30 miles @ \$5.00 \$150 00

HOLE No.	FROM	TO	FOOTAGE COMPLETED
	0'	154'	154'
	0'	155'	155'
	0'	116'	116'
	0'	140'	140'
	0'	110'	110'
	0'	132'	132'
	0'	144'	144'
	0'	96'	96'

Equipment rental:

34 hours @ 172.50 5,865 00

Down the hole consumables:

5 tricone bits @ \$687.50 - \$3437.50

1 Adapter 522.50

\$3960.00

Plus 154 594.00

4,554 00

Demobilization - 30 miles @ 5.00

150 00

\$10,719 00

"PAID IN FULL"

BRADLEY BROS. LIMITED

List Of Claims Submitted For Assessment

German Township

P663441  
P663442  
P663443  
P663444

# Asarco Exploration

**R. S. Gray**  
Manager

October 18, 1983

Mr. W.L. Good  
Mining Recorder  
Ministry of Natural Resources  
60 Wilson Avenue  
Timmins, Ontario  
P4N 2S7

Dear Sir,

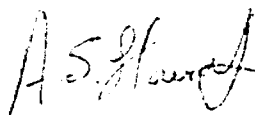
Please find enclosed a Mining Act Report of Work upon which we report an overburden drilling program carried out in Macklem Township during May 1983 by Asarco Exploration for Lac d'Amiante du Quebec Ltee.

We are reporting eight holes for a total expenditure of \$10,719.00 or 714 days credit (\$15/man day). From this amount we are claiming 240 days credit on four contiguous claims.

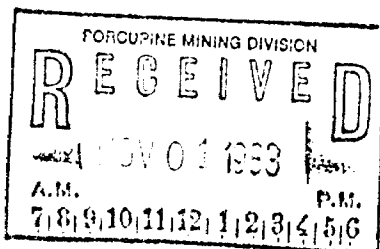
This assessment credit is to be distributed evenly over four contiguous claims as detailed in the Mining Act Report of Work. According to our records this submission will fulfill the maximum allowable credit of 60 days for overburden drilling on the four claims involved as well as fulfilling the allowable credit of 60 days for overburden drilling on all 123 contiguous claims comprising the Aquarius Property (not including twelve claims brought to lease).

Copies of the report, including drill logs, location maps and invoice supported expenditures will be submitted to Queen's Park, Toronto.

Yours truly,



A.S. Horvath

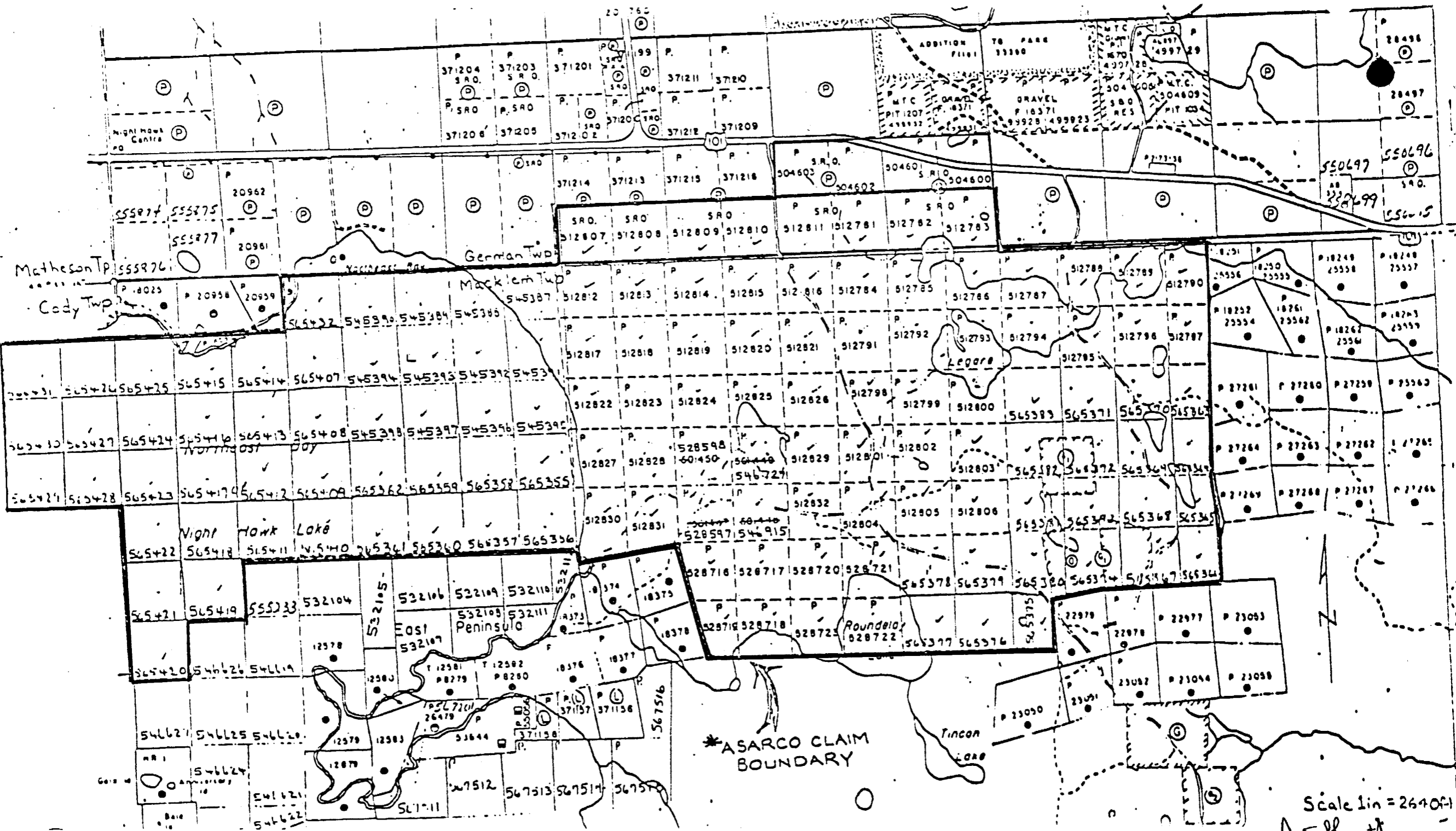


ASH:mm

Encl.

Asarco Exploration Co. of Canada Ltd.  
12th Floor, 350 Bay Street  
Toronto, Ontario M5H 2S6

A subsidiary of



\*ASARCO CLAIM BOUNDARY

Scale 1in = 2640ft  
A.S. Hawth



NORTHEAST CORNER - AQUARIUS PROPERTY  
 1983 OVERBORO TOWN HALL LOCATIONS  
 SCALE: 1" = 500' Oct /83

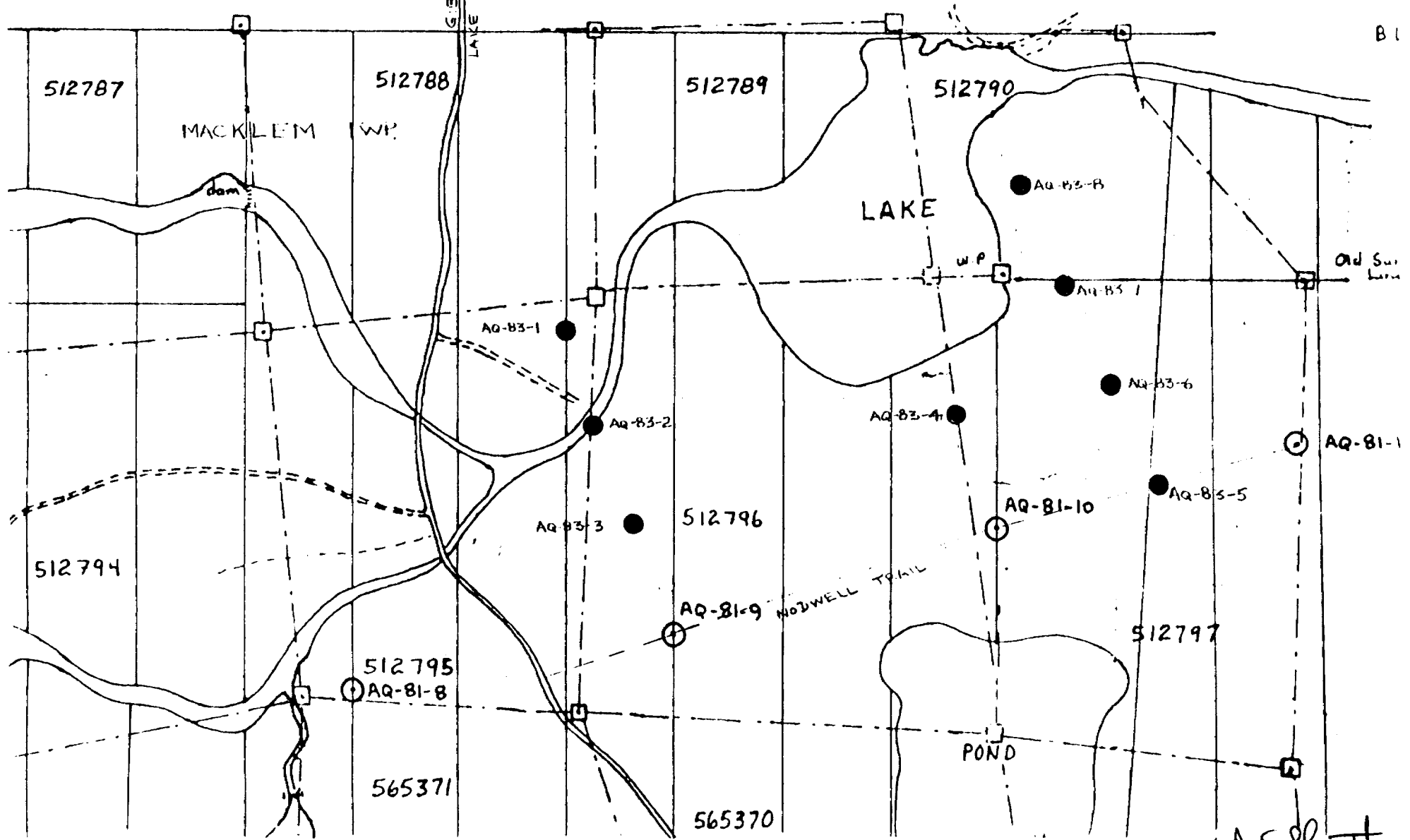


L156E L160E L164E L168E L172E L176E L180E L184E L188E L192E L196E L200E L204E

GERMAN TWP

MAC KILLEM TWP

B1



A.S. [Signature]

# BRADLEY BROS. LIMITED

May 31, 1983

CONTRACT DIAMOND DRILLING

Asarco Exploration Co. of Canada Ltd.  
12th Floor - 350 Bay Street,  
Toronto, Ontario M5L 2G6

HOLE No.

TO COVER DIAMOND DRILLING FOR

May 18 to 21, 1983  
TO FOOTAGE COMPLETED

Mobilization:

30 miles @ \$5.00 \$150 00

AQ83-1

0'	154'	154'
2	155'	155'
3	116'	116'
4	140'	140'
5	110'	110'
6	132'	132'
7	144'	144'
8	96'	96'

Equipment rental:

34 hours @ 172.50 5,865 00

Down the hole consumables:

5 tricone bits @ \$687.50 - \$3437.50

1 Adapter 522.50

\$3960.00

Plus 15% 594.00

4,554 00

Demobilization - 30 miles @ 5.00

150 00

\$10,719 00

"PAID IN FULL"



BRADLEY BROS. LIMITED

1983 11 07

2.5957

Mining Recorder  
Ministry of Natural Resources  
60 Wilson Avenue  
Timmins, Ontario  
P4N 2S7

Dear Sir:

We have received data for Overburden Drilling submitted under Section 77(19) of the Mining Act R.S.O. 1980 for mining claims P 663441 to 44 inclusive in the Townships of Macklem and German.

This material will be examined and assessed and a statement of assessment work credits will be issued.

We do not have a copy of the report of work which is normally filed by you prior to the submission of this technical data. Please forward a copy as soon as possible.

Yours very truly,

E.F. Anderson  
Director  
Land Management Branch

Whitney Block, Room 6643  
Queen's Park  
Toronto, Ontario  
M7A 1W3  
Phone: (416)965-1380

A. Barr:mc

cc: Lac d'Amiante du Quebec Ltee  
Highway 112  
Black Lake, Quebec  
G0N 1A0

cc: Asarco Exploration Co. of Canada Limited  
350 Bay Street  
12th Floor  
Toronto, Ontario  
M5H 2S6  
Attention: A.S. Horvath

# Asarco Exploration

**R. S. Gray**  
Manager

October 18, 1983

Mr. F.W. Matthews, Supervisor  
Lands Administration Branch  
Whitney Block, Room 6450  
Queen's Park  
Toronto, Ontario M7A 1W3

Dear Sir,

Please find enclosed duplicate reports on an overburden drilling program carried out in Macklem Township during May 1983 by Asarco Exploration for Lac d'Amiante du Quebec Ltee.

We are reporting eight holes for a combined expenditure of \$10,719.00 or 714 days credit (\$15/man day). From this amount we are claiming 240 days credit on four contiguous claims.

The report includes a descriptive text, drill logs, location maps and invoice supported expenditures.

We trust all the necessary information to process our application is included.

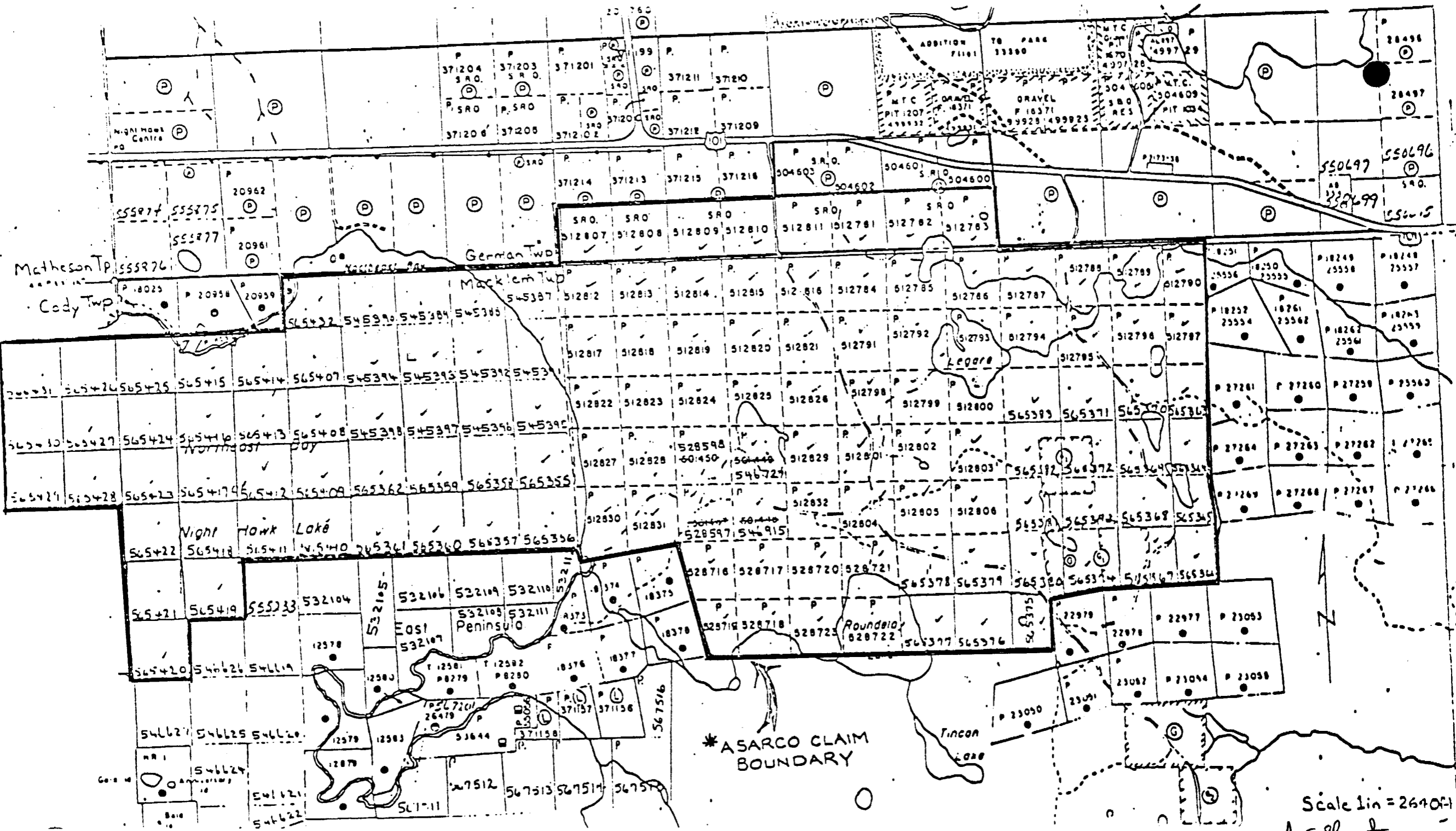
Yours truly,



A.S. Horvath

ASH:mm

**RECEIVED**  
OCT 28 1983  
MINING LANDS SECTION



\* ASARCO CLAIM BOUNDARY

Scale 1 in = 2640 ft  
 A.S. Stewart

NORTHEAST CORNER - AQUARIUS PROPERTY  
 1983 OVERBURDEN HOLE LOCATIONS  
 SCALE 1" = 500' Oct /83

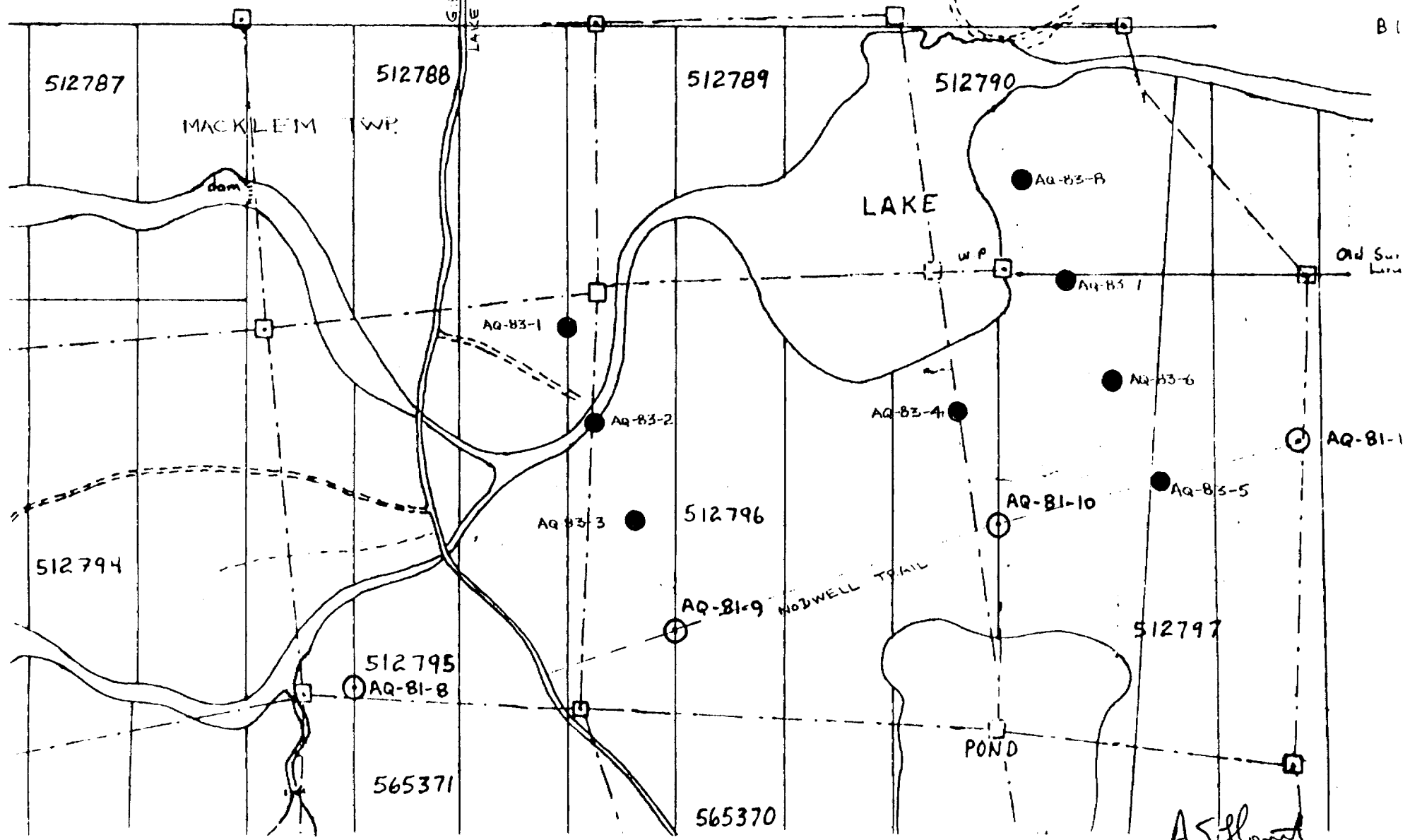


L156E L160E L164E L168E L172E L176E L180E L184E L188E L192E L196E L200E L204E

GERMAN TWP

MACKLEM TWP

GIBSON  
 LAKE ROAD  
 To Hwy 91



B1

Old Sur  
 Line

AQ-81-1

A.S. Howard

**BRADLEY  
BROS.  
LIMITED**

May 31, 1983

CONTRACT DIAMOND DRILLING

Asarco Exploration Co. of Canada Ltd.  
12th Floor - 350 Bay Street,  
Toronto, Ontario M5L 2S6

HOLE No.

TO COVER DIAMOND DRILLING FOR

May 18 to 21, 1983

FROM

TO

FOOTAGE COMPLETED

Mobilization:

30 miles

@

\$5.00

\$150 00

AQ83-1  
2  
3  
4  
5  
6  
7  
8

0'	154'	154'
0'	155'	155'
0'	116'	116'
0'	140'	140'
0'	110'	110'
0'	132'	132'
0'	144'	144'
0'	96'	96'

Equipment rental:

34 hours

@

172.50

5,865 00

Down the hole consumables:

5 tricone bits @ \$687.50 - \$3437.50

1 Adapter 522.50

\$3960.00

Plus 15% 594.00

4,554 00

Demobilization - 30 miles

@

5.00

150 00

\$10,719 00

"PAID IN FULL"

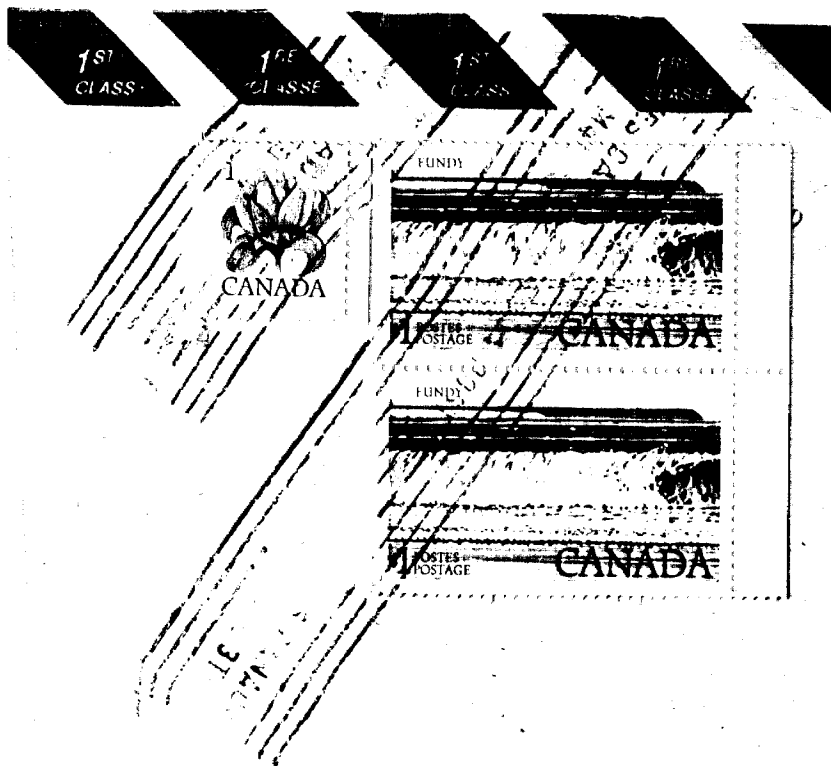
*[Signature]*

BRADLEY BROS. LIMITED

RECEIVED

OCT 28 1983

MINING



1st  
CLASS

1re  
CLASSE

1st  
CLASS

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CLASSE

CANADA

FUNDY

POSTES  
POSTAGE

CANADA

FUNDY

POSTES  
POSTAGE

CANADA



**MAP SYMBOLOLOGY**

Aerial Cableway	Pipeline (above ground)
Boundary (intermittent)	Railroad (single track)
Boundary (intermittent)	Railroad (double track)
Boundary (intermittent)	Road (unimproved)
Boundary (intermittent)	Road (improved)
Boundary (intermittent)	Road (improved with multiple lanes)
Boundary (intermittent)	Road (improved with multiple lanes and shoulders)
Boundary (intermittent)	Road (improved with multiple lanes and shoulders, with bridge)
Boundary (intermittent)	Road (improved with multiple lanes and shoulders, with bridge and culvert)
Boundary (intermittent)	Road (improved with multiple lanes and shoulders, with bridge, culvert, and tunnel)
Boundary (intermittent)	Road (improved with multiple lanes and shoulders, with bridge, culvert, tunnel, and utility poles)
Boundary (intermittent)	Road (improved with multiple lanes and shoulders, with bridge, culvert, tunnel, utility poles, and wooded area)
Boundary (intermittent)	Road (improved with multiple lanes and shoulders, with bridge, culvert, tunnel, utility poles, wooded area, and mine head frame)
Boundary (intermittent)	Road (improved with multiple lanes and shoulders, with bridge, culvert, tunnel, utility poles, wooded area, mine head frame, and outcrop)

**AREAS WITHDRAWN FROM DISPOSITION**

- M.R.O. - MINING RIGHTS ONLY
- S.R.O. - SURFACE RIGHTS ONLY
- M+S. - MINING AND SURFACE RIGHTS

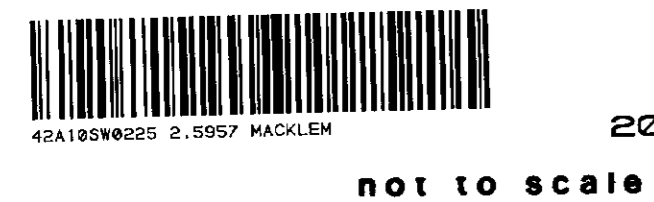
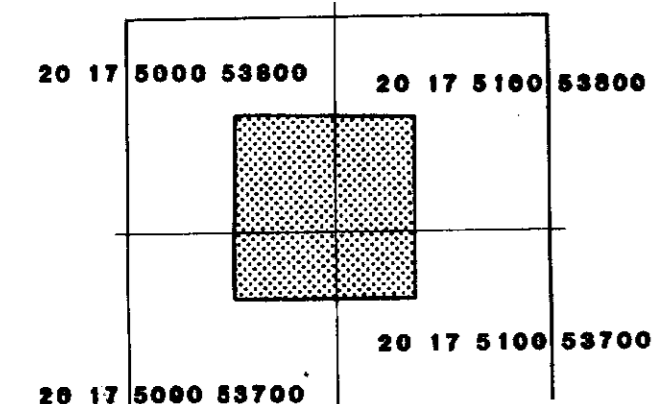
Description	Order No.	Date	Disposition	File
HR 1 GOLD ISLAND	546624			
ANNIVERSARY ISLAND	546624			
BALD ISLAND	546623			
PARCEL "C"	546622			
LO. 931				
PARCEL "D"	546623			
LO. 3244				

**SAND and GRAVEL**

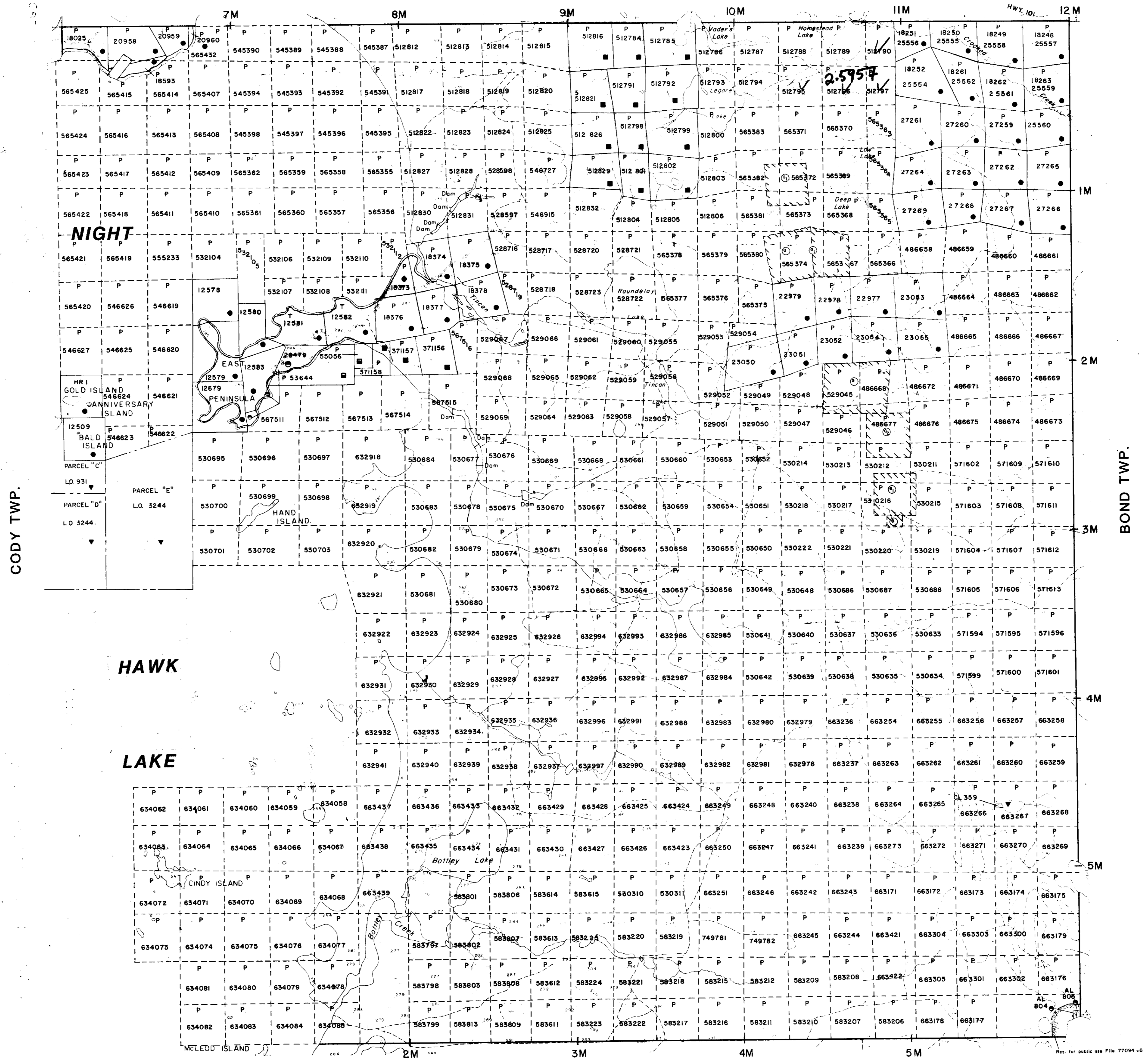
- Gravel File 105881
- M.T.C. PIP 1121
- QUARRY PERMIT

**KEY PLAN**

For O.B.M. Map



**GERMAN TWP.**



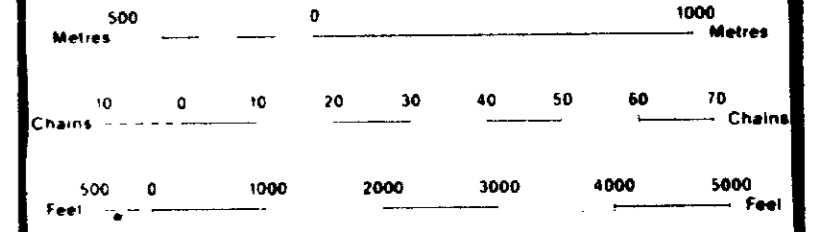
**LEGEND**

HIGHWAY AND ROUTE No.	
OTHER ROADS	
TRAILS	
SURVEYED LINES	
TOWNSHIPS, BASE LINES, ETC.	
LOTS, MINING CLAIMS, PARCELS, ETC.	
UNSURVEYED LINES	
LOT LINES	
PARCEL BOUNDARY	
MINING CLAIMS ETC.	
RAILWAY AND RIGHT OF WAY	
UTILITY LINES	
NON PERENNIAL STREAM	
FLOODING OR FLOODING RIGHTS	
SUBDIVISION OR COMPOSITE PLAN	
RESERVATIONS	
ORIGINAL SHORELINE	
MARSH OR MUSKEG	
MINES	
TRAVERSE MONUMENT	

**DISPOSITION OF CROWN LANDS**

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	
SURFACE RIGHTS ONLY	
MINING RIGHTS ONLY	
LEASE, SURFACE & MINING RIGHTS	
SURFACE RIGHTS ONLY	
MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	
ORDER IN COUNCIL	
RESERVATION	
CANCELLED	
SAND & GRAVEL	

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEES BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 390, SEC. 43, SUBSEC. 1.



SCALE 1:20 000

Reserve flooding rights on Night Hawk Lake to Ontario Hydro to elevation 903.5', T & N.O.Ry. datum.

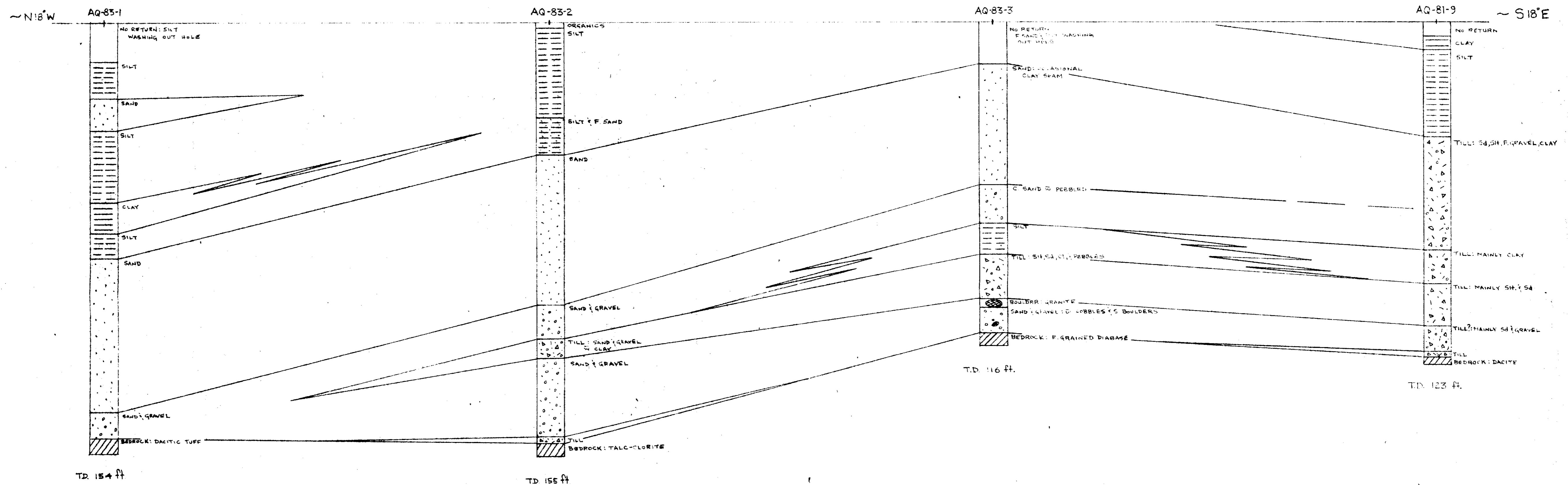
DATE OF ISSUE  
JAN 3 1984  
Ministry of Natural Resources  
TORONTO

TOWNSHIP  
**MACKLEM**  
M.N.R. ADMINISTRATIVE DISTRICT  
**TIMMINS**  
MINING DIVISION  
**PORCUPINE**  
LAND TITLES / REGISTRY DIVISION  
**COCHRANE**

Ministry of Natural Resources  
Land Management Branch  
Ontario

Date MAY 1982 Number **G-3997**

**THOMAS TWP.**



HORIZ SCALE: 1"=50'

VERT SCALE: 1"=20'

FILE  
PROVINCE  
DISTRICT  
TWP.  
NTS

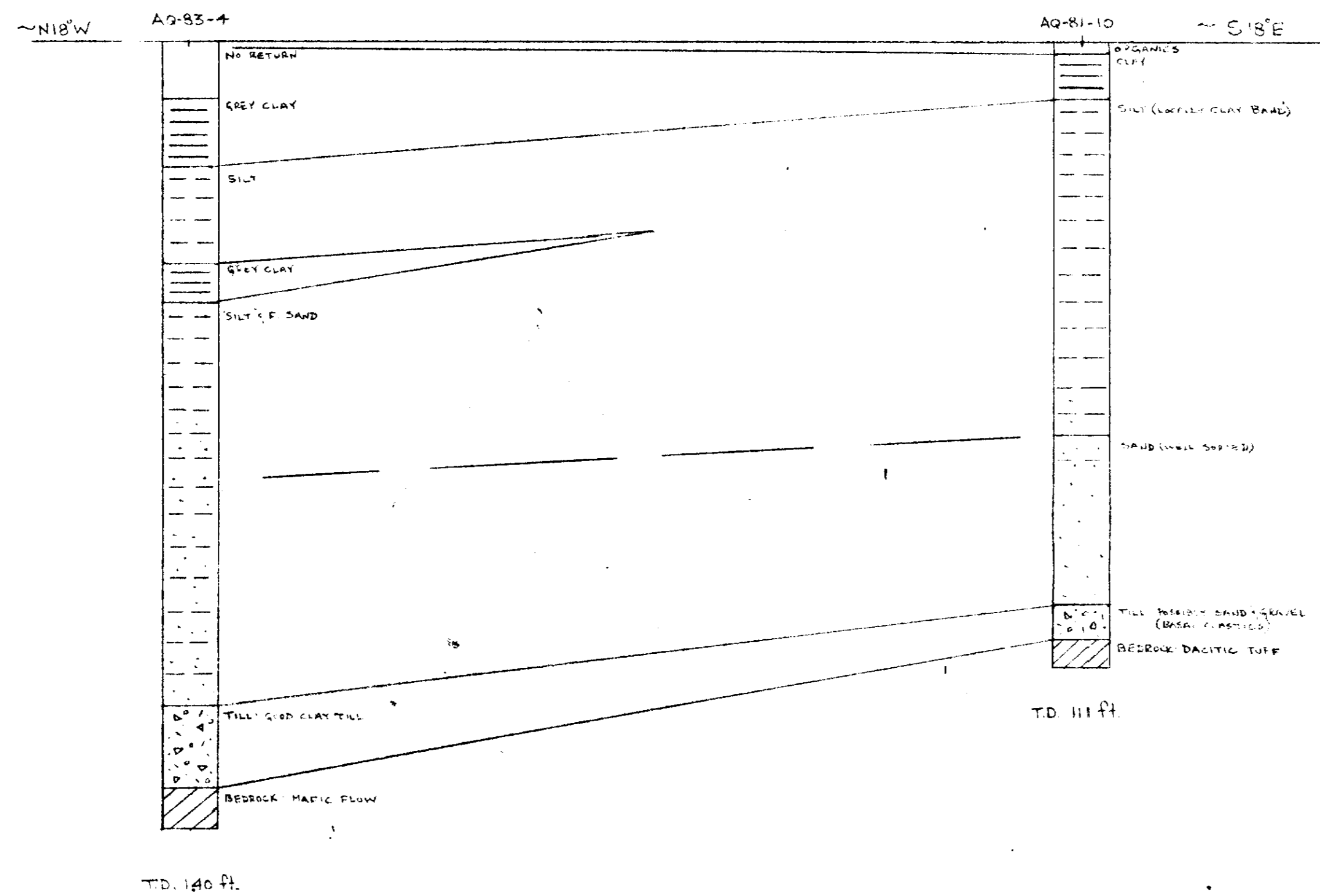
ASARCO EXPLORATION COMPANY OF CANADA			
AQUARIUS PROJECT			
OVERBURDEN DRILL SECTIONS			
HOLES AQ-83-1 TO AQ-83-3 AND AQ-81-9			
MACKLEM TOWNSHIP			
SCALE AS SHOWN	DRAWN A.S.H.	DATE OCT. 14/83	FILE NO. 42 A/10

ATTACHMENT

25957



42A185W8225 2.5957 MACKLEM



HORIZ. SCALE: 1" = 50'

VERT. SCALE: 1" = 20'



4241858225 2.5957 MACKLEM

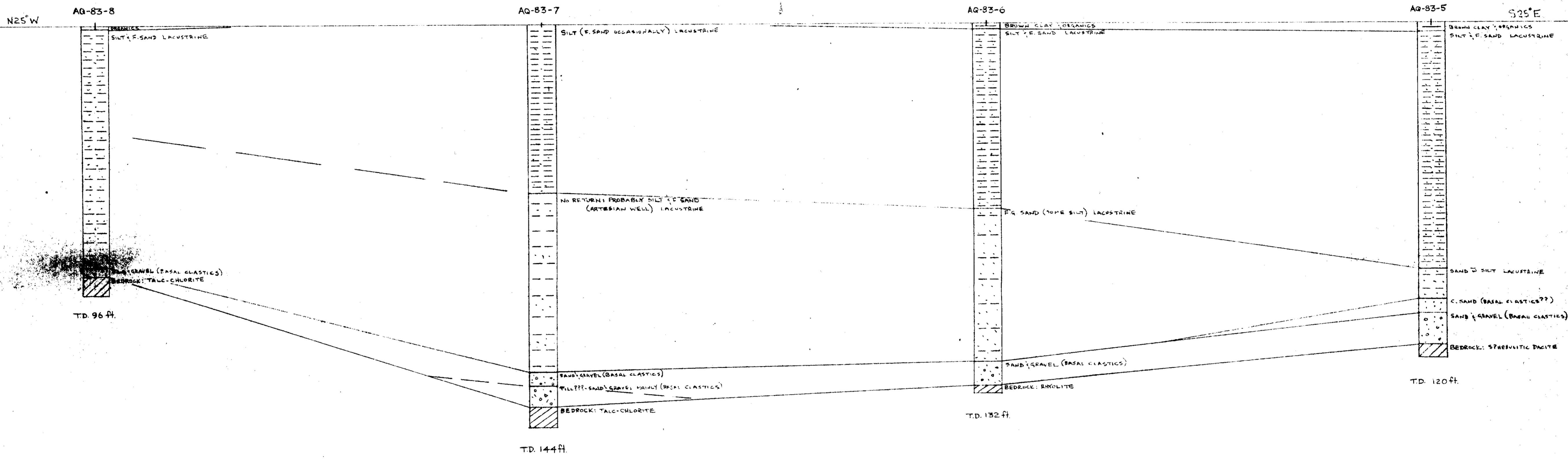
220

FILE  
PROVINCE  
DISTRICT  
TWP  
N.T.S.

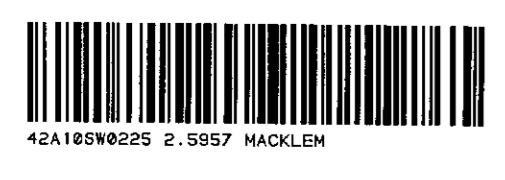
ASARCO EXPLORATION COMPANY OF CANADA			
<b>AQUARIUS PROJECT</b> <b>OVERBURDEN DRILL SECTIONS</b> HOLES AQ-83-4 AND AQ-81-10 MACKLEM TWP			
SCALE AS SHOWN	DRAWN A.S.	DATE OCT. 14/83	FILE NO. 42 A/10

ATTACHMENT

25957



HORIZ. SCALE: 1" = 50'  
 VERT. SCALE: 1" = 20'



230

ASARCO EXPLORATION COMPANY OF CANADA			
AQUARIUS PROJECT OVERBURDEN DRILL SECTIONS HOLES AQ-83-5 TO AQ-83-8 MACKLEM TWP.			
SCALE	DRAWN	DATE	FILE NO.
AS SHOWN	A.S.P.	Oct 14/83	42A/10

FILE  
 PROVINCE  
 DISTRICT  
 TWP.  
 N.T.S.

ATTACHMENT

25957