



42A05SE0140 2.7552 DENTON

010

OVERBURDEN DRILLING

on the

DENTON #1-80 GROUP

of

Hollinger Argus Limited

Denton Township
District of Cochrane
Ontario

RECEIVED
DEC 12 1984
MINING LANDS SECTION

November 26, 1984

J. E. Mountjoy



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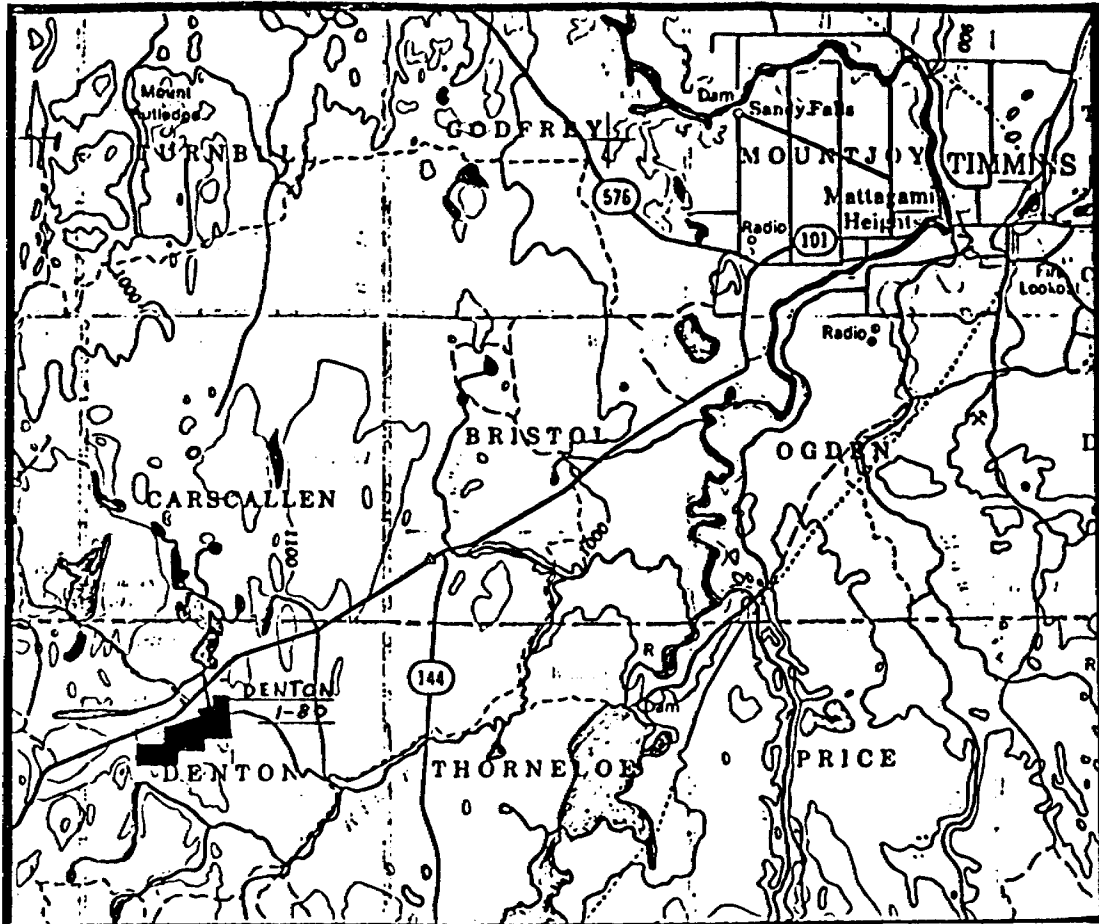
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Overburden Drill Hole Locations 1:2400 (1"=200') . . .	(in pocket)
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PROPERTY LOCATION

Denton #1-80

Scale, 1:250,000

INTRODUCTION

During the period from July 31, 1984 to August 3, 1984, a "reverse circulation" overburden drill program was carried out on the Denton #1-80 claim group. The holes were logged by Kenzie MacNeil, Dale Alexander and the author. Mr. MacNeil is a consulting geologist with Overburden Drill Management Limited while Dale Alexander and the author are staff geologists with Hollinger Argus Limited.

PROPERTY, LOCATION and ACCESS

The Denton #1-80 group consists of 20 contiguous unpatented mining claims, numbered P.568488 to P.568507 inclusive. These claims are located in the northwest quarter of Denton Township, just south of highway 101, roughly 20 miles southwest of downtown Timmins, Ontario.

A series of logging and reforestation roads accessible from highway 101 provides excellent access within the claim group.

PREVIOUS WORK

Hollinger Argus Limited has previously carried out and filed for assessment credits: linecutting, a ground electromagnetic (V.L.F.) survey, a ground magnetic survey, a geological survey and three diamond drill holes.

GENERAL GEOLOGY

Denton Township is situated near the western end of the Abitibi greenstone belt and is underlain by Early Precambrian (Archean) supracrustal rocks of volcanic and sedimentary origin. The supracrustal rocks have been intruded by Archean felsic intrusives which underlie roughly half of the township. The youngest rocks found in the township are roughly north-trending quartz diabase dykes.

The claim group is thought to be underlain by calc-alkalic felsic to intermediate metavolcanic rocks in the northeast portion of the claim group, iron-rich tholeiitic basalts in the central portion and magnesium-rich tholeiitic basalts ± ultramafics in the southwest portion of the group.

QUATERNARY GEOLOGY

The quaternary geology of the Denton #1-80 Group was mapped in 1980 by C.M. Tucker, J.A. Richards and assistants as part of a larger mapping project that covered Denton Township. This mapping was carried out at a scale 1:50,000 and covered all or part of 15 townships. This mapping was released in 1983 as Ontario Geological Survey, Map P-2582 Geological Series - Preliminary Map, Quaternary Geology of the Dana Lake Area.

The results of the above mapping as it applies directly to the Denton #1-80 Group is shown on figure 1. This map shows that roughly 80% of the property is covered by till; therefore, little difficulty collecting samples of till was envisioned.

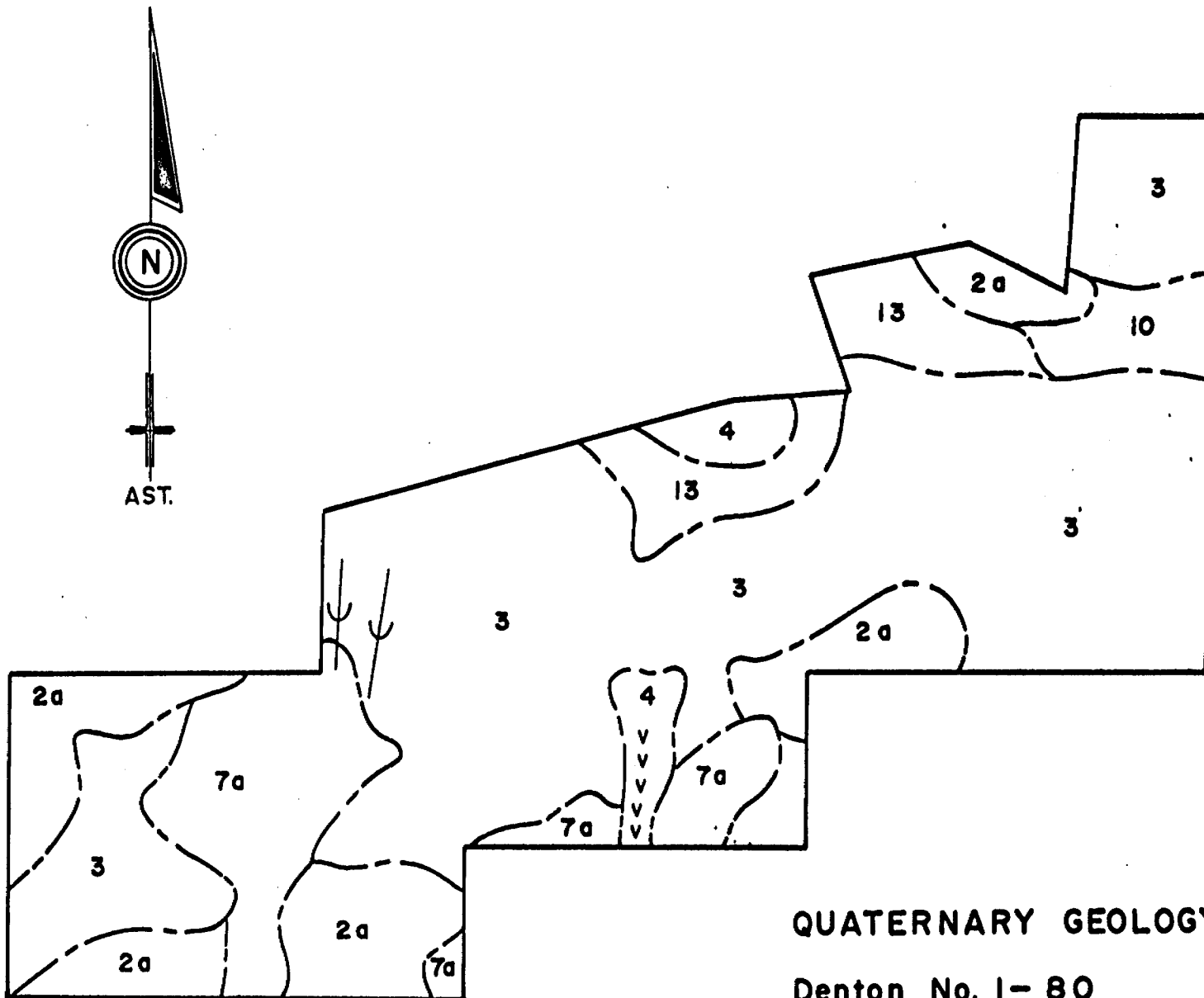


Figure 1

QUATERNARY GEOLOGY

Denton No. 1-80

After C.M. TUCKER, O.G.S., P-2582

SCALE: 1 inch to 1320 feet

LEGEND

PHANEROZOIC
CENOZOIC
QUATERNARY
RECENT

11 Organic Deposits: peat bog, swamp, marsh.

10 Eolian Deposits: fine to medium grained sand.

RECENT or PLEISTOCENE (Late Wisconsinan)

7 Glaciolacustrine Shallow-Water Deposits (Barlow-Ojibway Formation).
7a - Fine to coarse sand.

4 Ice-contact Stratified Drift: minor clay, silt, sand, gravelly sand, gravel, silty sand till, (occurs in eskers, kames, crevasse fillings and moraines).

PLEISTOCENE (Late Wisconsinian)

3 Till (Adam Till): silty, sand matrix with cobbles and boulders.

2 Bedrock-drift Complex: undifferentiated bedrock with extensive but discontinuous drift cover.
2a - Undifferentiated till over bedrock.

SYMBOLS

↖ Glacial Striation, direction of ice movement indicated.

↗ Esker, direction of flow known.

DRILLING/SAMPLING METHOD

The overburden drilling was carried out by Bradley Bros. Ltd. of Timmins, Ontario. The drilling was done using a Nodwell mounted reverse circulation drill working 10 hours per day. The drill uses a mixture of compressed air and water as the drilling fluid to ensure that the sample returns to the surface as quickly as possible. Upon returning to the surface the slurry which is under high pressure passes through the cyclone to reduce the pressure by allowing the compressed air to escape. The slurry drops from the cyclone through a 10-mesh sieve and into a plastic 5-gallon pail. The pail was then connected to a second pail in order to allow some of the finer material to also be collected. The overflow from the second pail is then collected in a 200-gallon settling tank and the water from this tank was used again after the fines had settled.

For the purpose of this program most of the +10 mesh rock chips which were collected in the sieve were logged, as to their lithologies, then discarded. In general, samples were taken from all clastic horizons (i.e. till, gravel and sand); only the samples of boulders and glaciolacustrine clay were not collected. Samples were generally collected over 1.5-meter intervals; however, when the lithology changed (i.e. from sand to till) a new sample was started. As a result the slurry was constantly monitored by at least two people, one to log the sample and one to assist with the sample collection. Of the 57 samples collected and analyzed, the average sample weighed 6.6 kilograms before drying (see Appendix "B").

Another important feature of this drill program was the collection of bedrock chips. On average the tricone bit used allowed 1.25 meters of bedrock penetration.

The bedrock chip samples were then packaged and a small amount was sent to Bell-White Analytical Laboratories Ltd. to be assayed for gold content in parts per billion and arsenic

content in parts per million. The overburden samples were subsequently shipped to Overburden Drilling Management Limited, Nepean, Ontario, for processing.

SAMPLE PROCESSING

An outline of the procedure used to prepare each of the clastic overburden samples is presented in Figure 2.

First of all a reference sample of roughly 250 grams was removed, then the sample was split using a 10-mesh sieve. That part of the sample which has fragments with a diameter greater than 1700 microns was weighed while still wet and then stored. The remainder of the sample was then fed onto a shaking table to remove much of the lighter fraction of the sample; also at this time visible grains of gold were removed for binocular microscope examination and classification (Figure 3) prior to being returned to the sample. The sample was then dried and the light fraction was stored. Next, the sample was mixed with a Methylene Iodide solution having a specific gravity of 3.3. The fraction of the sample having a specific gravity less than 3.3 was then weighed and stored. The heavy fraction was further reduced in size by removing the magnetite and any drill contaminants such as bit steel if present. Both the magnetic and non magnetic heavy fractions were then weighed and the magnetic fraction was stored. One quarter of the non magnetic heavy fraction was also removed and stored while the remaining three quarters were shipped to Bondar-Clegg and Company Ltd. to be assayed for gold and arsenic content.

OVERBURDEN DRILLING MANAGEMENT LIMITED
SAMPLE PROCESSING FLOW SHEET

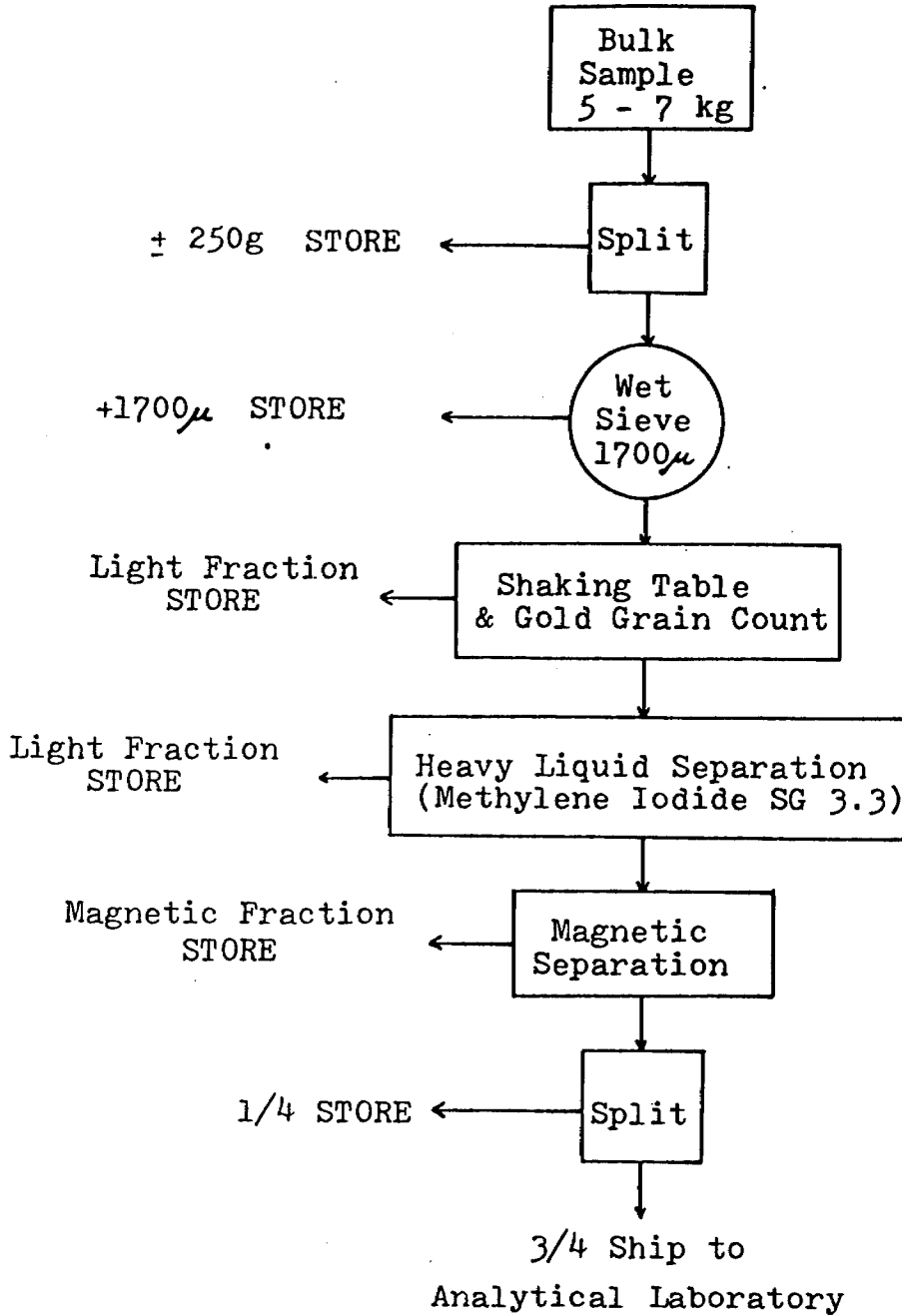
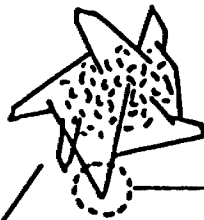


Figure 2

DELICATE

Bedrock gold crystallizes as pitted granular masses with smooth protruding crystals



simple delicate

IRREGULAR

After short ice transport, crystals are removed leaving smaller pitted grain with several protrusions



IRREGULAR

Some flat irregular grains may become curled



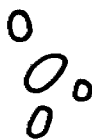
ABRADED

With increasing transport, protrusions break off irregular grain, producing several smaller leaf-shaped grains. Pitted surfaces become smooth.



ABRADED

Curled irregular grains become spindle-shaped abraded grains



ROUNDED

After long transport, especially in streams, continued abrasion produces small, polished, spherical or ellipsoidal grains



Effects of Glacial Transport on Gold Particle Size and Shape
(Developed by OVERBURDEN DRILLING MANAGEMENT LTD.)

Figure 3

SUMMARY OF RESULTS

The Denton #1-80 overburden drill program consisted of 19 drill holes drilled from 15 distinct set ups. While all 19 holes successfully sampled the bedrock, four of the holes failed to return an overburden sample. Overburden depth was quite variable as it ranged from 0.8 meters to 24.7 meters. With the exception of the four holes which failed to return a sample, each and every hole encountered basal till⁽¹⁾. The most common lithology encountered was till with a grey gritty clay matrix. This till was encountered in all 15 holes. The other lithologies encountered, which make up perhaps 25% of the overburden sampled, included: glaciolacustrine clay, sand, gravel, some organic material and a second till with a sandy to silty matrix.

The results of the overburden logging are illustrated in log and section form in Appendix "A". Also, included in Appendix "B" are the results of both the bedrock assays from Bell-White and the heavy metal concentrate assays from Bondar-Clegg. These are shown in profile and certificate form.

After a limited amount of statistical calculations (Appendix "C") a log/log plot of cumulative frequency percent versus class was used to arrive at a figure regarded as the upper level of the background gold and arsenic content. The figure for the gold content is 165 parts per billion while that for arsenic is 53 parts per million. As a simple check on this method the average gold and arsenic content in the till was also calculated. The average gold content was

(1) For the scope of this report, basal till simply refers to the till sample collected directly above the bedrock surface.

calculated using all but the obviously anomalous, >15,000 ppb Au, sample found in the basal till of hole DT-84-04. As a result the average gold content was 176 parts per billion. The average arsenic content, calculated using all of the values obtained from till samples, was 47 parts per million.

Using the above criteria for anomalous vs background, anomalous gold values in the basal till were encountered in the following holes: DT-84-01 (200 ppb), DT-84-04 (>15,000 ppb), DT-84-10 (940 ppb), DT-84-11 (1205 ppb) and DT-84-13 (335 ppb). While not anomalous, an elevated value of 155 parts per billion Au was encountered in the basal till sample in hole DT-84-15.

A number of other anomalous values were encountered during the program from samples of till in the following holes: DT-84-01 (170 ppb), DT-84-03 (450 ppb, 650 ppb), DT-84-04 (545 ppb), DT-84-06 (240 ppb, 1190 ppb) and DT-84-15 (505 ppb).

Similarly, arsenic anomalies from basal till samples were encountered in holes: DT-84-01 (65 ppm), DT-84-05 (424 ppm), DT-84-07 (592 ppm), DT-84-11 (124 ppm) and DT-84-15 (95 ppm As).

Only one arsenic anomaly was encountered in a sample of till not immediately adjacent to the bedrock surface and that was found in hole DT-84-10 (84 ppm).

Anomalous gold and arsenic values found in distal (2) overburden were restricted to hole DT-84-05 where a sample of gravel or possibly gravel till contained 5500 ppb Au and 178 ppm As, a second sample of the same material assayed 130 ppm As.

While no significant gold assays were encountered in bedrock samples, above average (>10 ppb) values were obtained in holes: DT-84-02 (11 ppb), DT-84-03 (27 ppb), DT-84-04 (16 ppb),

(2) Distal overburden in this report refers to the clay, sand and gravel deposits encountered.

DT-84-05 (14 ppb), DT-84-08 (11 ppb), DT-84-11 (14 ppb) and DT-84-11A (14 ppb). Similarly no significant arsenic assay values were encountered in the bedrock samples but above average (16 ppm) values were obtained in holes: DT-84-05 (25 ppm), DT-84-07 (40 ppm) and DT-84-07A (50 ppm).

Finally, visible gold grains were observed in seven of the drill holes, only one hole (DT-84-04) contained more than one sight and no sample contained more than one sight. The other holes which had a sight of visible gold were: DT-84-02, DT-84-03, DT-84-05, DT-84-10 and DT-84-13. A description of the size and shape of the grains is included in the laboratory sample log (Appendix B).

A series of assay profiles for each of the holes is included in Appendix B. These profiles illustrate the correlation between gold and arsenic anomalies in some of the holes and the apparent lack of a direct correlation in others. Samples in which visible gold was observed are also noted on the above profiles.

CONCLUSIONS/RECOMMENDATIONS

The reconnaissance style overburden drill program carried out on the Denton #1-80 claim group was quite successful in outlining a number of interesting anomalies.

Given the apparent correlation of gold and arsenic anomalies in a number of holes, an Induced Polarization survey covering the favourable stratigraphy is recommended.

In the case of gold anomalies not directly correlating with elevated arsenic values, an effort should be made to further examine the anomalous samples for a possible correlation to, say, chalcopyrite, pyrrhotite, pyrite or simply visible gold. If no direct sulphide correlation can be found, a more detailed overburden program may be warranted in the future.

Respectfully submitted,



J. E. Mountjoy.

SELECTED BIBLIOGRAPHY

Tucker, C.M. and Richard, J.A.

1983: Quaternary Geology of the Dana Lake Area, Cochrane, Timiskaming and Sudbury Districts; Ontario Geological Survey, Map P.2582, Geological Series - Preliminary Map, Scale 1:50,000. Geology 1980.

...Assessment files, Resident Geologist's Office, Timmins.



Ministry of
Natural
Resources

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

See Ministry
0-11

Instructions: - Please type or print.
- If number of mining claims traversed exceeds space on this form, attach a list.
Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
- Do not use shaded areas below.

The Mining Act

Type of Survey(s) Reverse Circulation Overburden Drilling		Township or Area Denton Township	
Claim Holder(s) Hollinger Argus Limited		Prospector's Licence No. A-20822	
Address P.O. Box 320, TIMMINS, Ontario P4N 7E2			
Survey Company Bradley Bros. Limited		Date of Survey (from & to) 31 07 84 03 08 84 Day Mo. Yr. Day Mo. Yr.	Total Miles of line Cut -
Name and Address of Author (of Geo-Technical report) John E. Mountjoy, Box 320, Timmins, Ont. P4N 7E2			

Credits Requested per Each Claim in Columns at right

Special Provisions For first survey: Enter 40 days. (This includes line cutting) For each additional survey: using the same grid: Enter 20 days (for each)	Geophysical	Days per Claim
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
Man Days Complete reverse side and enter total(s) here	- Other	
	Geological	
	Geochemical	
Airborne Credits Note: Special provisions credits do not apply to Airborne Surveys.	Geophysical	Days per Claim
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	

Mining Claims Traversed (List in numerical sequence)

Mining Claim		Expend. Days Cr.	Mining Claim		Expend. Days Cr.
Prefix	Number		Prefix	Number	
P	568488	58			
	568489	58			
	568490	58			
	568491	58			
	568492	58			
	568493	56.5			
	568494	36			
	568495	35			
	568496	35			
	568497	36			
	568498	36			
	568499	35			
	568500	57			
	568501	35			
	568502	58			
	568503	58			
	568504	58			
	568505	58			
	568506	36			
	568507	58			

Expenditures (excludes power stripping)

Type of Work Performed
Reverse Circulation Overburden Drilling

Performed on Claim(s) **P.568490, P.568491, P.568494, P.568496, P.568497, P.568502, P.568504, P.568505, P.568506, P.568507.**

Calculation of Expenditure Days Credits

Total Expenditures	+	Total Days Credits	=	
\$ 14,698.34		15		979.8

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.

Total number of mining claims covered by this report of work. **20**

Date Nov. 30, 1984	Recorded Holder or Agent (Signature) <i>[Signature]</i>
------------------------------	--

For Office Use Only	
Total Days Cr. Recorded	Date Recorded
Date Approved as Recorded	Mining Recorder
	Branch Director

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
John E. Mountjoy, Box 320, Timmins, Ont. P4N 7E2

Date Certified Nov. 30, 1984	Certified by (Signature) <i>[Signature]</i>
--	--

APPENDIX A

GRAPHIC LOG

TILL



Matrix fine-medium sand $\frac{1}{2}$ silt. Pebbly. Record color of silt.

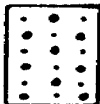


Matrix as above. Cobbly.

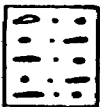


Clayey matrix (gritty lumps on screen and/or clay coating on pebbles). Cobbly. Record color of clay.

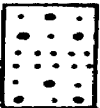
GRAVEL



Matrix medium-coarse sand or granules. Pebbly.

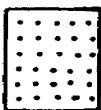


Matrix as above. Cobbly.

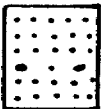


Pebbly with sand interbeds.

SAND



Record grain size (fine, medium, coarse); note thickness of layers and degree of oxidation.



Pebbly sand interbed (few one-quarter inch pebbles on screen)

CLAY



Record color and compactness. Note varves and any sand or silt interbeds.

SILT



Record color

**OVERBURDEN DRILLING MANAGEMENT LIMITED
REVERSE CIRCULATION DRILL HOLE LOG**

DATE July 31 1984

HOLE NO DT-84-01 LOCATION 1317mW/860mS

GEOLOGIST K. MacNeil DRILLER _____ BIT NO. CB-66435 BIT FOOTAGE 0-9

SHIFT HOURS
_____ TO _____

MOVE TO HOLE _____
DRILL 12:45-2:45

TOTAL HOURS

MECHANICAL DOWN TIME _____

CONTRACT HOURS

DRILLING PROBLEMS _____
OTHER 12:00-12:45 - set up

MOVE TO NEXT HOLE _____

*New Bit*New Sub*

DEPTH IN METRES	GRAPHIC LOG	INTERVAL	SAMPLE NO.	DESCRIPTIVE LOG	Sample	Au	As			
					No.	ppb	ppm			
0-1.2				0-1.2 - little return - assumed to be till.						
1.2-8.0			01	1.2-8.0 - TILL: gritty clay matrix; matrix is light beige in color to approx. 2.4m, and grey below this level	01	150	2			
			02	- till is pebbly - a minor number of scattered cobbles.	02	170	17			
			03	- clast composition very difficult to estimate due to clay coating on rock chips - appears to be - 50:50 volcanics/sediments:intrusives	03	<5	17			
			04	5-7% limestone.						
			05	4.8-5.3 - boulder - intermediate volcanic - light green, fine grained, massive.	04	60	19			
			06	8.0-9.0 - BEDROCK: sericite schist(?) - 80% or greater of return is grey to white vein quartz with approx. 3-5% pyrite as localized stringers.	05	200	65			
				- host rock (sericite schist) is grey; highly sheared/foliated; possibly talcose.	<u>06</u> BR	7	10			
9.0m (30')				9.0m (30') - END OF HOLE						

J. S. MacNeil

**OVERBURDEN DRILLING MANAGEMENT LIMITED
REVERSE CIRCULATION DRILL HOLE LOG**

DATE July 31 1984

HOLE NO DT-84-02 LOCATION 1590mW/838mS

GEOLOGIST MacNeil DRILLER _____ BIT NO. CB-66435 BIT FOOTAGE 9-15

SHIFT HOURS
TO _____

MOVE TO HOLE 2:45-3:00

DRILL 3:00-3:45

TOTAL HOURS _____

MECHANICAL DOWN TIME _____

CONTRACT HOURS _____

DRILLING PROBLEMS _____

OTHER _____

MOVE TO NEXT HOLE _____

DEPTH IN METRES	GRAPHIC LOG	INTERVAL	SAMPLE NO.	DESCRIPTIVE LOG	Sample	Au	As			
					No.	ppb	ppm			
1				0-1.2 - little return - assumed to be till.						
2			01	1.2-approx.3.0 - Predominantly Till material dozed in to swamp for road - at approximately 2.8 - a thin zone of organic swamp muck.	01	30	6			
3										
4			02	Approx.3.0-4.1 - TILL: grey gritty clay matrix; a few pebbles; clast composition.	02	20	19			
5			03	(?)50:50 volcanics/sediments: intrusives(?); 10% limestone.	03 BR	11	ND			
6										
7				4.1-6.0 - BEDROCK: intermediate-mafic volcanics - medium green color; grain size of approximately 0.5mm(?) - appears granular - may be tuffaceous; rock is schistose, chloritic.						
8										
9										
10				4.1-5.7 - approx. 5% of return is white vein quartz-veins to 0.5cm in width and containing 1-2% pyrite.						
11				5.7-6.0 - 80-90% of return is vein quartz with to 2% disseminated pyrite - possibly trace of very fine galena or arsenopyrite.						
12										
13				6.0m (20') - END OF HOLE						
14										
15										
16										
17										
18										
19										
20										

John MacNeil

**OVERBURDEN DRILLING MANAGEMENT LIMITED
REVERSE CIRCULATION DRILL HOLE LOG**

DATE July 31/Aug.1/84 HOLE NO DT-84-03 LOCATION original hole #10 XL 2000mW/810mS
 19 _____ GEOLOGIST MacNeil DRILLER _____ BIT NO. CB.66435 BIT FOOTAGE 15-34.8
 SHIFT HOURS _____ MOVE TO HOLE 3:45-4:15
 _____ TO _____ DRILL 4:15-5:45 (to 12m) Aug.1 - 8:30-10:00
 TOTAL HOURS _____ MECHANICAL DOWN TIME _____
 _____ DRILLING PROBLEMS _____
 CONTRACT HOURS _____ OTHER 5:45-6:00 to truck; Aug.1 - 8:00-8:30 move in.
 _____ MOVE TO NEXT HOLE _____

DEPTH IN METRES	GRAPHIC LOG	INTERVAL	SAMPLE NO.	DESCRIPTIVE LOG	Sample No.	Au ppb	As ppm			
0				0-approx.3.6 - little return - little resistance to drill penetration - usually characteristic of swamp (organic) material or soft surface clays.						
3.6				Approx.3.6 - TILL: grey, fine sand matrix to approx.5.1m - below 5.1m, increasing amounts of gritty clay - below 5.4 matrix is predominantly grey, gritty clay; till is pebbly; clast composition difficult to accurately estimate due to abundance of clay -	01	<10	38			
5.1				50% volcanics/sediments 30% intrusives 10% limestone.	02	25	74			
9.9				9.9 - cobble - intermediate-felsic volcanic - yellow, sericitic, indistinct feldspar phenocrysts.	03	450	19			
13.3				13.3 - cobble - mafic volcanic.	04	105	38			
14.1-14.3				14.1-14.3 - a few thin seams of non-gritty to slightly gritty clay.	05	20	21			
15.5-16.9				15.5-16.9 - CLAY: grey; tough - compact; very difficult to penetrate; smooth - non-gritty.	06	650	19			
16.9-18.5				16.9-18.5 - TILL: grey gritty clay matrix; pebbly; similar to till above 15.5m; may be slightly more grit and pebbles; clast composition - 65-70% volcanics/sediments 25% intrusives 5% limestone.	07 08	<10 135	17 21			
18.5-19.8				18.5-19.8 - BEDROCK: intermediate-mafic volcanic - dark green; soft; some ground to medium-green clay; fine grained; strongly schistose; carbonate stringers/veinlets paralleling schistosity; minor oxidation staining along schistosity; below 19.2m, less carbonate but minor vein quartz.	09 10 11	145 35 27	16 13 ND			
					<u>11</u> BR					

19.8m (66') - END OF HOLE



OVERBURDEN DRILLING MANAGEMENT LIMITED
REVERSE CIRCULATION DRILL HOLE LOG

DATE _____ 19____ HOLE NO DT-84-04 LOCATION continued
 GEOLOGIST DRA DRILLER _____ BIT NO. CB.66436 BIT FOOTAGE 0-10.2m
 SHIFT HOURS _____ MOVE TO HOLE _____
 _____ TO _____ DRILL _____
 TOTAL HOURS _____ MECHANICAL DOWN TIME _____
 _____ DRILLING PROBLEMS _____
 CONTRACT HOURS _____ OTHER _____
 _____ MOVE TO NEXT HOLE _____

DEPTH IN METRES	GRAPHIC LOG	INTERVAL	SAMPLE NO.	DESCRIPTIVE LOG	Sample No.	Au ppb	As ppm			
					09	545	11			
10			10		45	10				
11			11		>15000	10				
12			12		BR	16	ND			
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										

16.3m-24.7m - CLAY TILL - there is only a minor amount of clay present below 16.5m, except for a narrow clay-rich seam at 17.2m; following 17.2m more cobbles than pebbles, minor clay, grey, mostly mafic to intermediate volcanic clasts with some limestone and granite.
 - more clay again circa 17.5m, but majority in this area is a pebble to cobble till with a silty matrix - grey. Clasts include tonalite, mafic volcanics, dacite, + feldspathic material and limestone - volcanic fragments about 70% of clasts.
 - at 18.4m, increased clay component at end of sample 04-07, with a strong clay component circa 18.5m below which the overburden is more of a pebble till; small, mixed fragments (60% mafic volcanics), moderate clay component.
 - more mixing, less volcanic (mafic) clasts below 19.5m.
 - 22.5m-23.4m - accessory fine silty material, followed by gravelly till and more of a clay till below 23.7m.

24.7m-26.5m - BEDROCK - no doubt; below 25.2m - dark, schistose, chloritized mafic volcanic with porphyritic(?) or feldspathic (pinkish) sections containing crystals of magnetite. The rock is well veined and contains dark, earthy, putty-like, dark green clay. The rock is carbonated, only part of which is calcite, and is moderately altered with epidote next to the vein material.

26.5m - END OF HOLE

**OVERBURDEN DRILLING MANAGEMENT LIMITED
REVERSE CIRCULATION DRILL HOLE LOG**

DATE Aug. 1 1984 HOLE NO DT-84-05 LOCATION 2700mW - 772mS (original hole 8)
 GEOLOGIST DRA DRILLER Bradley's BIT NO. CB.66436 BIT FOOTAGE 10.2-31.5m
 SHIFT HOURS MOVE TO HOLE 2:15 - 2:30
 _____ TO _____ DRILL 2:30 - 5:00
 TOTAL HOURS MECHANICAL DOWN TIME _____
 _____ DRILLING PROBLEMS to change bit and sub at end of Hole.
 CONTRACT HOURS OTHER _____
 _____ MOVE TO NEXT HOLE 5:00 - 5:15

DEPTH IN METRES	GRAPHIC LOG	INTERVAL	SAMPLE NO.	DESCRIPTIVE LOG	Sample No.	Au ppb	As ppm				
				0-2.7m - no recovery.							
1				2.7m-9.4m: FINE SAND - few pebbles, beige at first, becoming greyish circa 5.5m.							
2				- @ 8.3m, trace of clay and a few pebbles, followed by fine grey sand again.							
3				9.4m-19.9m: GRAVEL - potential gravelly till, with pebbles/clasts well mixed, minor to no perceivable clay. Clasts are feldspathic, quartzose, mafic volcanic, etc.							
4				- 12-14.2m - mostly fine sand, few pebbles.							
6				- 14.2m - gravel(?) sandy(?) matrix, fine, greyish, with strong to total clast support - majority of clasts are gabbro/diabase and mafic volcanics.	01	15	<2				
6				- circa 15.5m, a relatively equal amount of epidote-altered mafic clasts, granite, diabase and tonalite + limestone. Unit is still gravel with clast-flour, ground clast style matrix.							
7		05-	01	- 19.1m - start to get a fine grey silty component to the matrix rather than just rock flour. The silt is grey to grey-beige in colour.	02	65	8				
8				19.9m-21.3m: CLAY TILL - with better definition of a pebbly clay till below 20.3m. Grey, gritty clay matrix, pebbles mixed. At the top of the section there is a narrow clay seam followed by a narrow silty zone circa 20.1m.							
9											
10		05-	02								
11											
12											
13		05-	03								
14											
15				21.3m - BEDROCK - carbonated mafic to intermediate volcanic, schistose, rusty at contact, then darker and more chloritic.	04	5500	178				
16		05-	04								
17											
18		05-	05	Bit sheared off in sub at end of Hole.	05	30	130				
19											
20		05-	06	21.4m - END OF HOLE, not redrilled for extra bedrock.	06	15	40				
21											
21.3m		05-	07		07	70	424				
		05-	08		08	14	25				
					BR						

John C. [Signature]

**OVERBURDEN DRILLING MANAGEMENT LIMITED
REVERSE CIRCULATION DRILL HOLE LOG**

Begin Aug.1/84
DATE End Aug.2 1984

HOLE NO DT-84-06 LOCATION 3150mW/770ms (original #7)
GEOLOGIST J. Mountjoy DRILLER Bradley's BIT NO. 44981 BIT FOOTAGE 0-14.5m
SHIFT HOURS MOVE TO HOLE 5:00-5:15
TO _____ DRILL 5:15-6:00 (Aug.1) 8:45-10:15 (Aug.2)
TOTAL HOURS MECHANICAL DOWN TIME _____
CONTRACT HOURS DRILLING PROBLEMS _____
OTHER _____
MOVE TO NEXT HOLE _____

*New Bit*New Sub*

DEPTH IN METRES	GRAPHIC LOG	INTERVAL	SAMPLE NO.	DESCRIPTIVE LOG	Sample No.	Au ppb	As ppm				
				0-3.5 - no return.							
1				3.5-5.5 - SAND: fine grained, beige in colour, only the odd pebble.							
2				5.5-6.0 - TILL: beige in colour due to oxidization.							
3				6.0-9.0 - TILL: gritty clay matrix, matrix is grey in colour.							
4				- @ 6.9m is a cobble of chlorite schist.							
5			01	- @ 8.6m is a cobble of granodiorite.	01	25	5				
6				9.0-10.6 - TILL: matrix is predominantly fine silt to sand with only very minor gritty clay.							
7			02	- @ 10.5m is a mafic volcanic cobble.	02	45	38				
8			03	10.6-11.2 - TILL: as from 6.0-9.0.	03	240	22				
9				11.2-11.8 - TILL: as from 9.0-10.6.							
10			04	11.8-13.1 - TILL: as from 6.0-9.0 - this unit also has the occasional mafic cobble, clast composition is difficult to estimate due to clay coating but appears to be	04	60	6				
11			05	55:35:10 volcanics/sediments: intrusives:paleozoics.	05	1190	8				
12			06	13.1-13.5 - BOULDER: mafic to intermediate volcanic, medium to dark green in colour, chloritic and schistose with minor qtz.	06	<10	3				
13			07	13.5-13.6 - TILL: as from 11.8-13.1.	07 BR	2	ND				
14				13.6-14.5 - BEDROCK: mafic-intermediate volcanic (chlorite schist) fine grained, medium to dark green in colour, very schistose, chloritic, only minor calcite, non magnetic and no visible sulphides.							
15				14.5m - END OF HOLE							
16											
17											
18											
19											
20											

J. Mountjoy

**OVERBURDEN DRILLING MANAGEMENT LIMITED
REVERSE CIRCULATION DRILL HOLE LOG**

DATE Aug. 2 1984

HOLE NO DT-84-07 LOCATION XL 3400mW/750ms (original #6)

GEOLOGIST J. Mountjoy DRILLER Bradley's BIT NO. 44981 BIT FOOTAGE 14.5m-17.2

SHIFT HOURS
_____ TO _____

MOVE TO HOLE 10:15-10:30

DRILL 10:30-11:30

TOTAL HOURS

MECHANICAL DOWN TIME _____

DRILLING PROBLEMS _____

CONTRACT HOURS

OTHER _____

MOVE TO NEXT HOLE _____

DEPTH IN METRES	GRAPHIC LOG	INTERVAL	SAMPLE NO.	DESCRIPTIVE LOG	Sample	Au	As				
					No.	ppb	ppm				
1			01	0-0.6 - no return.							
2			02	0.6-1.6 - TILL: gritty clay matrix, beige to tan coloured, (oxidized), few clasts were visible, mafic volcanic clasts are by far the most common.	01	45	592				
3					02	4	40				
4					BR						
5				1.6-2.7 - BEDROCK: sericite schist chips are light grey to beige in colour, highly schistose, highly sericitic with minor calcite, fine grained, non magnetic, no visible sulphides.							
6				- @ 1.9m is a narrow seam of graphite.							
7				- 1.9-2.7 light grey in colour but similar to above except slightly more calcite is visible (sericite carbonate schist?)							
8											
9				2.7m - END OF HOLE							
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											

J. Mountjoy

OVERBURDEN DRILLING MANAGEMENT LIMITED
REVERSE CIRCULATION DRILL HOLE LOG

DATE Aug. 2 19 84

HOLE NO DT-84-07A LOCATION XL 3400mW/750mS

GEOLOGIST J. Mountjoy DRILLER Bradley's BIT NO. 44981 BIT FOOTAGE 17.2-18.5

SHIFT HOURS

MOVE TO HOLE 11:30-11:40

TO

DRILL 11:40-12:30

TOTAL HOURS

MECHANICAL DOWN TIME

CONTRACT HOURS

DRILLING PROBLEMS sub cracked because bit was undergaged, making bedrock
OTHER difficult to penetrate.

MOVE TO NEXT HOLE

Note: this hole was drilled in an attempt to add to sample DT-84-07-01

DEPTH IN METRES	GRAPHIC LOG	INTERVAL	SAMPLE NO.	DESCRIPTIVE LOG	Sample	Au	As			
					No.	ppb	ppm			
1			03	0-0.9 - no return.						
2				0.9-1.3 - BEDROCK: sericite carbonate schist, chips are light grey to beige in colour, moderately carbonated, non magnetic, no visible sulphides.	03 BR	8	50			
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										

J. Mountjoy

**OVERBURDEN DRILLING MANAGEMENT LIMITED
REVERSE CIRCULATION DRILL HOLE LOG**

DATE Aug. 2 1984

HOLE NO DT-84-09 LOCATION XL 38W - 6+28ms new hole

SHIFT HOURS
TO

GEOLOGIST DRA DRILLER Bradley's BIT NO. C.000130 BIT FOOTAGE 2.4-8.1m

TOTAL HOURS

MOVE TO HOLE 1:15-1:30

DRILL 1:30-2:15

CONTRACT HOURS

MECHANICAL DOWN TIME

DRILLING PROBLEMS

OTHER

MOVE TO NEXT HOLE

DEPTH IN METRES	GRAPHIC LOG	INTERVAL	SAMPLE NO.	DESCRIPTIVE LOG	Sample	Au	As			
					No.	ppb	ppm			
0-2				0-2m - no recovery.						
2-4.2				2-4.2m - GLACIOLACUSTRINE DEPOSITS: overlying Clay Till. - 2m-2.8m - gritty clay with few pebbles - potentially till??. The clay is grey in colour with mixed pebble types of mafic volcanics, granite, diabase, limestone, etc.	01	<15	28			
2.8-4.2				- 2.8-4.2m - gritty clay with a local, moderate silty component.	02	50	32			
4.2-4.7				4.2-4.7m - CLAY TILL: grey beige in colour, few mixed pebbles. The gritty clay component is strong. Most pebbles are mafic volcanic.	03 BR	3	5			
4.7-5.7				4.7m - BEDROCK: coarse flow mafic volcanic; medium to dark green in colour with coarse hornblende, feldspar + chlorite alteration. Trace of veining, trace of sulphides (py). The rock is weakly to moderately schistose (more schistose at depth) with chlorite + sericite slips.						
5.7				5.7m - END OF HOLE (sample 09-03)						

John M. G.

**OVERBURDEN DRILLING MANAGEMENT LIMITED
REVERSE CIRCULATION DRILL HOLE LOG**

DATE Aug. 2 1984 HOLE NO DT-84-10 LOCATION 4037mW 642mS 25m grid North - old Hole 3
 GEOLOGIST DRA DRILLER Bradley's BIT NO. C.000130 BIT FOOTAGE 8.1-15.4m
 SHIFT HOURS MOVE TO HOLE 2:15-2:45
 _____ TO _____ DRILL 2:45-3:30
 TOTAL HOURS MECHANICAL DOWN TIME _____
 CONTRACT HOURS DRILLING PROBLEMS _____
 _____ OTHER _____
 _____ MOVE TO NEXT HOLE _____

DEPTH IN METRES	GRAPHIC LOG	INTERVAL	SAMPLE NO.	DESCRIPTIVE LOG	Sample No.	Au ppb	As ppm			
1				0-2.5m - no recovery.						
2				2.5-2.8m - GRAVEL: coarse granular sand with mixed felsic, granitic and mafic dominate.						
3	○	10-01		2.8m - 3.1m - BOULDER: quartz veined mafic volcanic - strong quartz component.	01	<40	17			
4	△	10-02		3.1-4.3m - GRAVEL/GRAVEL TILL, with a minor component of clay below a cobble of diabase at 3.5m. Clasts are generally mixed as above, the clay component is grey.	02	15	84			
5	○	10-03			03/04	940	36			
6	△	10-04								
7	○	10-05		4.3-6.4m - CLAY TILL: initiated(?) along a clay seam at 4.3m, followed by clay till - the clay is grey. There is a strong clay component again below 5.1m with the section 5.3-6m containing very few pebbles. The clay is grey and gritty. Mafic pebbles dominate.	05 BR	8	ND			
8										
9										
10										
11				6.4m - BEDROCK: grey green to olive grey green, schistose, carbonated, mafic to intermediate volcanic. The rock is moderately veined with quartz-calcite.						
12										
13				7.3m - END OF HOLE (10-05)						
14				- The Boulder intersected from 2.8-3.1m probably represents the change from GRAVEL to TILL should that boulder and the ensuing cobble at 3.5m reflect a general lack of sorting.						
15				- sample 10-04 to be added to 10-03 at lab.						
16										
17										
18										
19										
20										

John E. M. J.

**OVERBURDEN DRILLING MANAGEMENT LIMITED
REVERSE CIRCULATION DRILL HOLE LOG**

DATE Aug. 2 1984

HOLE NO DT-84-11 LOCATION XL 4200mW/660mS

GEOLOGIST J. Mountjoy DRILLER Bradley's BIT NO. C.000130 BIT FOOTAGE 15.4-18.0

SHIFT HOURS
TO

MOVE TO HOLE 3:30-3:45

TOTAL HOURS

DRILL 3:45-4:05

CONTRACT HOURS

MECHANICAL DOWN TIME

DRILLING PROBLEMS

OTHER

MOVE TO NEXT HOLE

DEPTH IN METRES	GRAPHIC LOG	INTERVAL	SAMPLE NO.	DESCRIPTIVE LOG	Sample No.	Au ppb	As ppm			
1			01	0-0.6 - no return.	01	1205	124			
2			02	0.6-1.6 - TILL: gritty clay matrix, beige in colour (oxidized). Clast composition is difficult to determine due to clay coating; however, it appears to be 50% volcanic/sediments and 50% intrusives.	02 BR	14	5			
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										

2.6m - END OF HOLE
John Mountjoy

**OVERBURDEN DRILLING MANAGEMENT LIMITED
REVERSE CIRCULATION DRILL HOLE LOG**

DATE Aug. 3 19 84 HOLE NO DT-84-13 LOCATION 4048mW/492mS
 GEOLOGIST J. Mountjoy DRILLER Bradley's BIT NO. C.000130 BIT FOOTAGE 24m-28.5m
 SHIFT HOURS _____ MOVE TO HOLE 8:00-8:45
 _____ TO _____ DRILL 8:45-9:05
 TOTAL HOURS _____ MECHANICAL DOWN TIME _____
 _____ DRILLING PROBLEMS _____
 CONTRACT HOURS _____ OTHER _____
 _____ MOVE TO NEXT HOLE _____

DEPTH IN METRES	GRAPHIC LOG	INTERVAL	SAMPLE NO.	DESCRIPTIVE LOG	Sample	Au	As				
					No.	ppb	ppm				
1				0-1.4 - no return.							
2			13-01 13A-01	1.4-2.7 - TILL: gritty clay matrix grey in colour, very few visible clasts, distribution is roughly 60% mafic volcanics to 40% felsic intrusives.	01	335	31				
3											
4			02	2.7-2.8 - TILL: fine sandy to silty matrix, only very minor clay is present, numerous clasts are present, distribution is roughly 50% intrusives and 50% volcanics/sediments.	02 BR	7	ND				
5											
6											
7											
8											
9											
10											
11				2.8-4.5 - BEDROCK: chlorite schist/talc chlorite schist, rock is dark green in colour, very chloritic with minor sericite, chips are highly schistose, not carbottized, non magnetic, no visible sulphides, it is of interest to note that much of the return is clay-like material with a fairly high talc component? somewhat reminiscent of fault gouge.							
12											
13				4.5m - END OF HOLE							
14											
15											
16											
17											
18											
19											
20											

John E. Mountjoy

**OVERBURDEN DRILLING MANAGEMENT LIMITED
REVERSE CIRCULATION DRILL HOLE LOG**

DATE Aug. 3 19 84

HOLE NO DT-84-14 LOCATION XL 3970W - 450MS
GEOLOGIST DRA DRILLER Bradley's BIT NO. C.000130 BIT FOOTAGE 32.9-36.2m

SHIFT HOURS
_____ TO _____


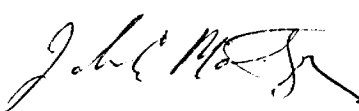
MOVE TO HOLE 9:30-9:45
DRILL 9:45-10:30

TOTAL HOURS

MECHANICAL DOWN TIME _____

CONTRACT HOURS

DRILLING PROBLEMS _____
OTHER _____
MOVE TO NEXT HOLE _____

DEPTH IN METRES	GRAPHIC LOG	INTERVAL	SAMPLE NO.	DESCRIPTIVE LOG	Sample	Au	As			
					No.	ppb	ppm			
0-1m				no recovery.						
1.0-2m		14-01 14-02		1.0-2m - CLAY TILL: grey gritty clay with pebble-sized clasts. Pebble types are mixed, with mafic clasts dominant. Some large chunks of brownish to grey clay (seam?) at 1.1m; some deep, rich, green, unctuous clay just above (at?) bedrock.	01 02 BR	< 50 8	22 5			
2m -				BEDROCK: olive to grey green schistose/sheared, friable, mafic volcanic early in the sequence, with a strong clay component (talc-chlorite?) below 2.5m. The clay element varies from greenish putty coloured to pale Nile green and is very greasy/unctuous. Below 2.8m - more chips present, moderate clay component. The rock is an olive, sheared mafic volcanic, unveined and unmineralized.						
3.3m				END OF HOLE						
				Sample is amalgamated with 14A-01 some 5m south of Hole 14.						
										

**OVERBURDEN DRILLING MANAGEMENT LIMITED
REVERSE CIRCULATION DRILL HOLE LOG**

DATE Aug. 3 1984

HOLE NO DT-84-15 LOCATION 4073mW/302mS

GEOLOGIST J. Mountjoy DRILLER Bradley's BIT NO C.000130 BIT FOOTAGE 40.1-54.6

SHIFT HOURS
_____ TO _____

MOVE TO HOLE 10:30-10:45
DRILL 10:45-12:30

TOTAL HOURS

MECHANICAL DOWN TIME _____
DRILLING PROBLEMS _____

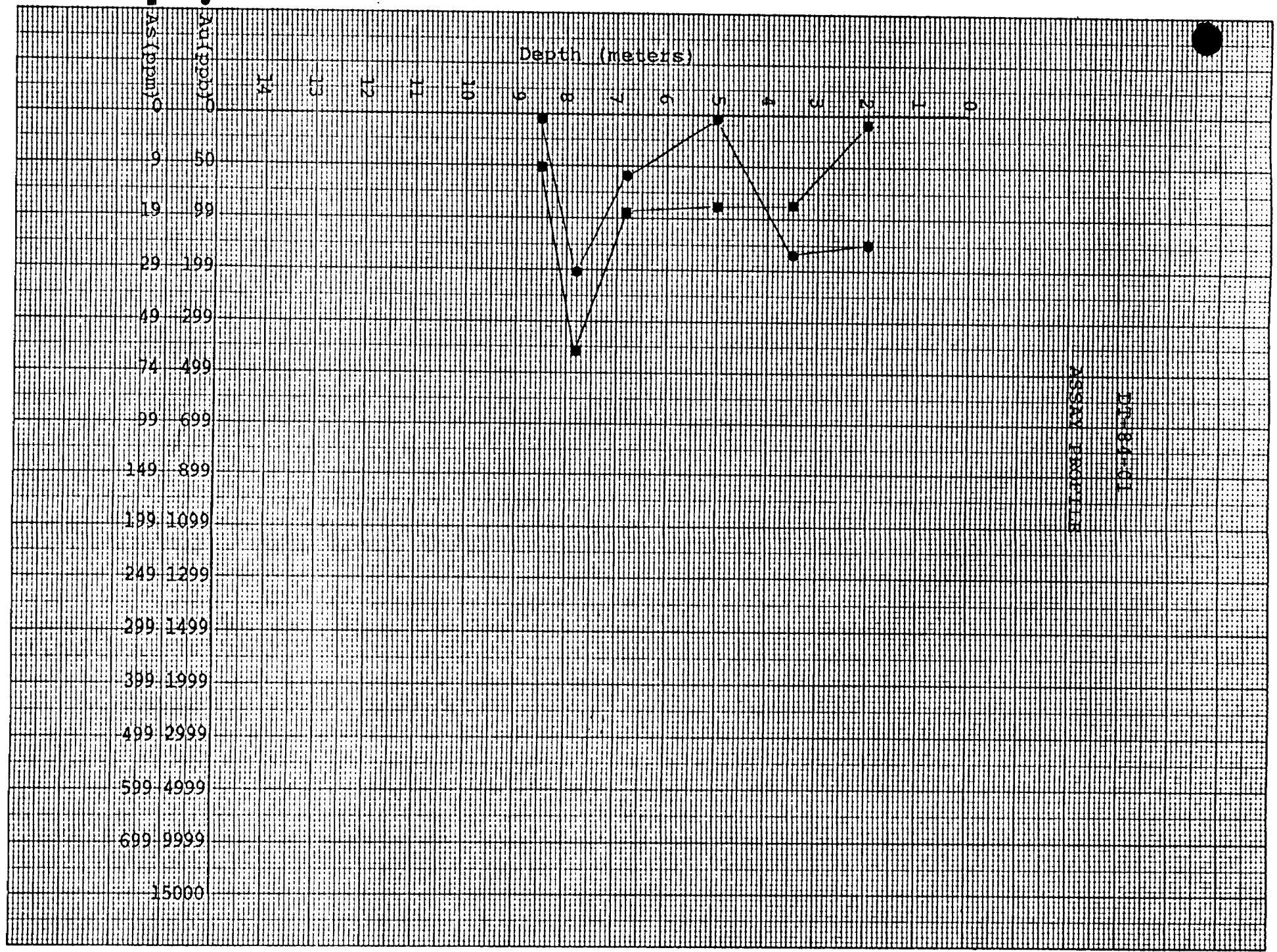
CONTRACT HOURS

OTHER _____
MOVE TO NEXT HOLE _____

DEPTH IN METRES	GRAPHIC LOG	INTERVAL	SAMPLE NO.	DESCRIPTIVE LOG	Sample No.	Au ppb	As ppm				
0-0.6				no return.							
0.6-1.9				SAND + GRAVEL: this is material used to build roads.							
1.9-5.5			01	TILL: fine unsorted silty to sandy matrix, very minor clay component, clast composition is predominantly mafic volcanic (60%) with intrusives (35%) and minor paleozoics (5%).	01	45	6				
5.5-10.5			02	TILL: gritty clay matrix, grey in colour, clasts are difficult to distinguish; however, mafic volcanics are still predominant (approx. 65%), cobbles of felsic intrusive and mafic material are quite common, i.e. @ 7.4m was a cobble of tonalite.	02	95	30				
10.5-10.6			03	BOULDER: chlorite sericite schist.	03	45	27				
10.6-11.9			04	TILL: extremely high cobble content, minor gritty clay matrix cobbles are predominantly of felsic intrusive material.	04	35	28				
11.9-11.95			05	BOULDER: granodiorite with large amount of epidote.	05	15	34				
11.95-13.5			06	TILL: gritty clay matrix as from 5.5-10.5m.	06	505	32				
13.5-14.5			07	BEDROCK: sericite schist/ talc sericite schist, predominantly tan to yellow beige in colour and locally greenish tan due to chlorite, as in holes 13 and 14 much of the return is ground to a clay-like material (fault gouge?), chips are highly sericitic, non magnetic, very minor quartz (qtz eyes?)., no visible sulphides.	07	155	95				
14.5m			08	END OF HOLE	<u>08</u> BR	7	10				

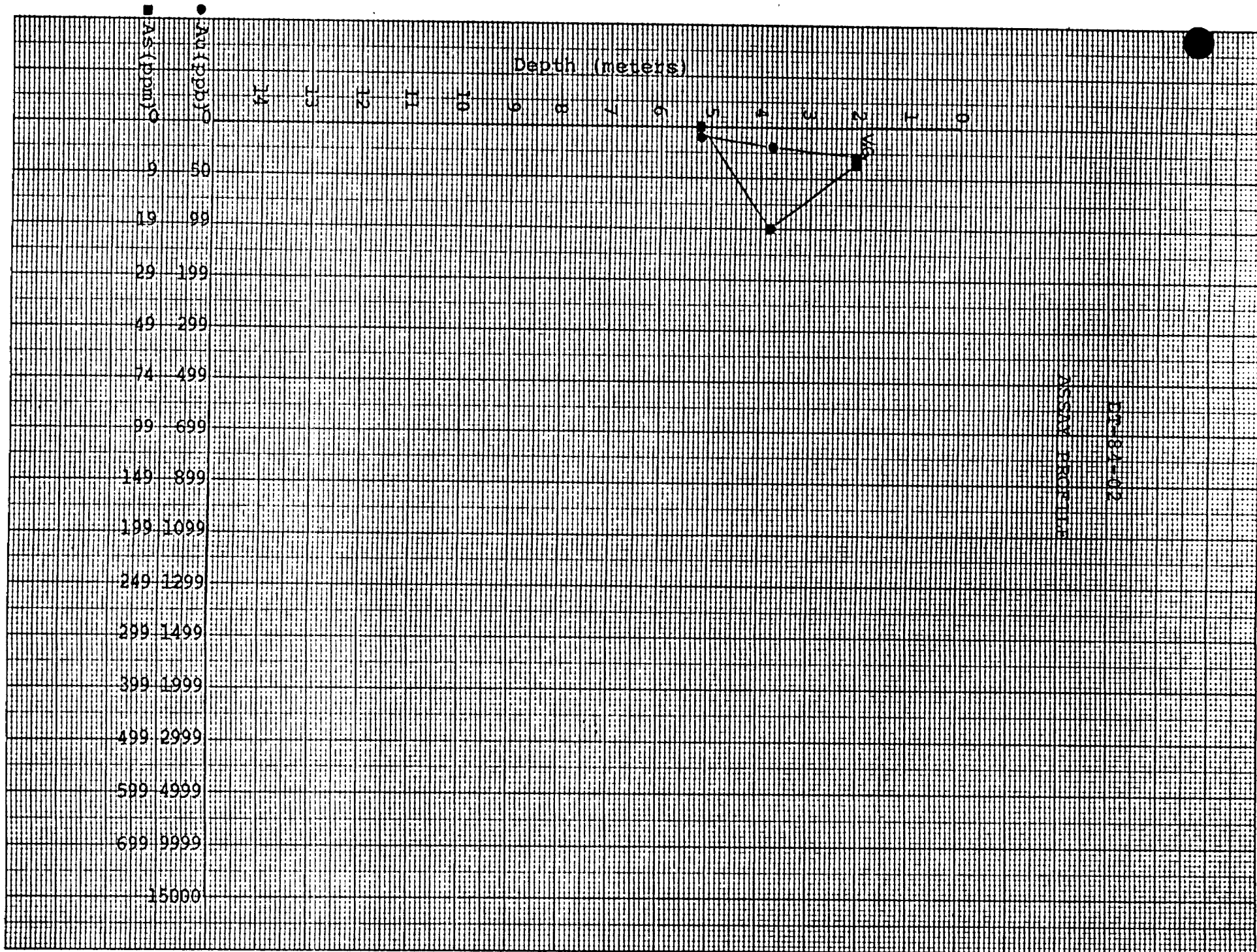
John Mountjoy

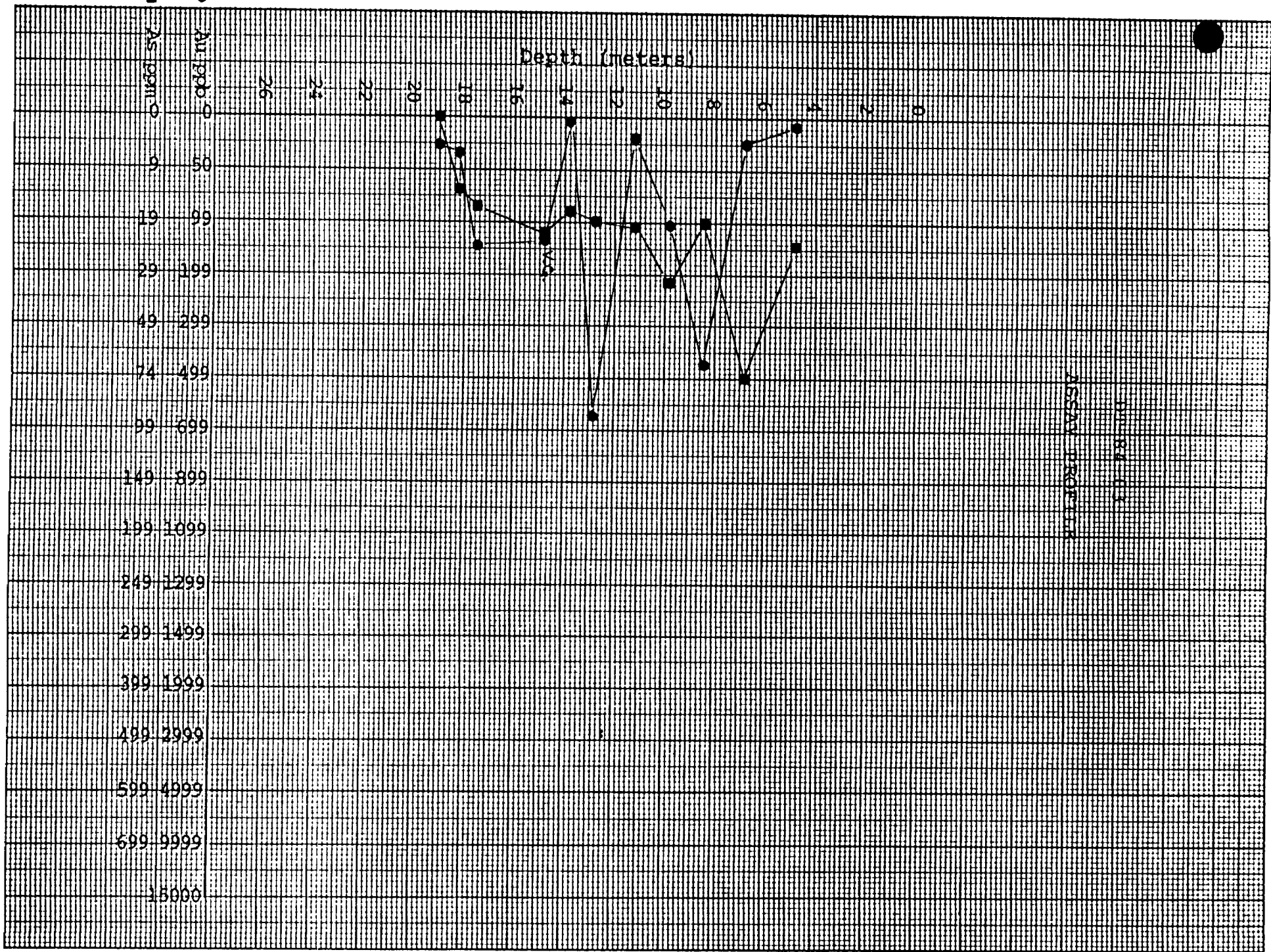
APPENDIX B



ASSAY REPORT

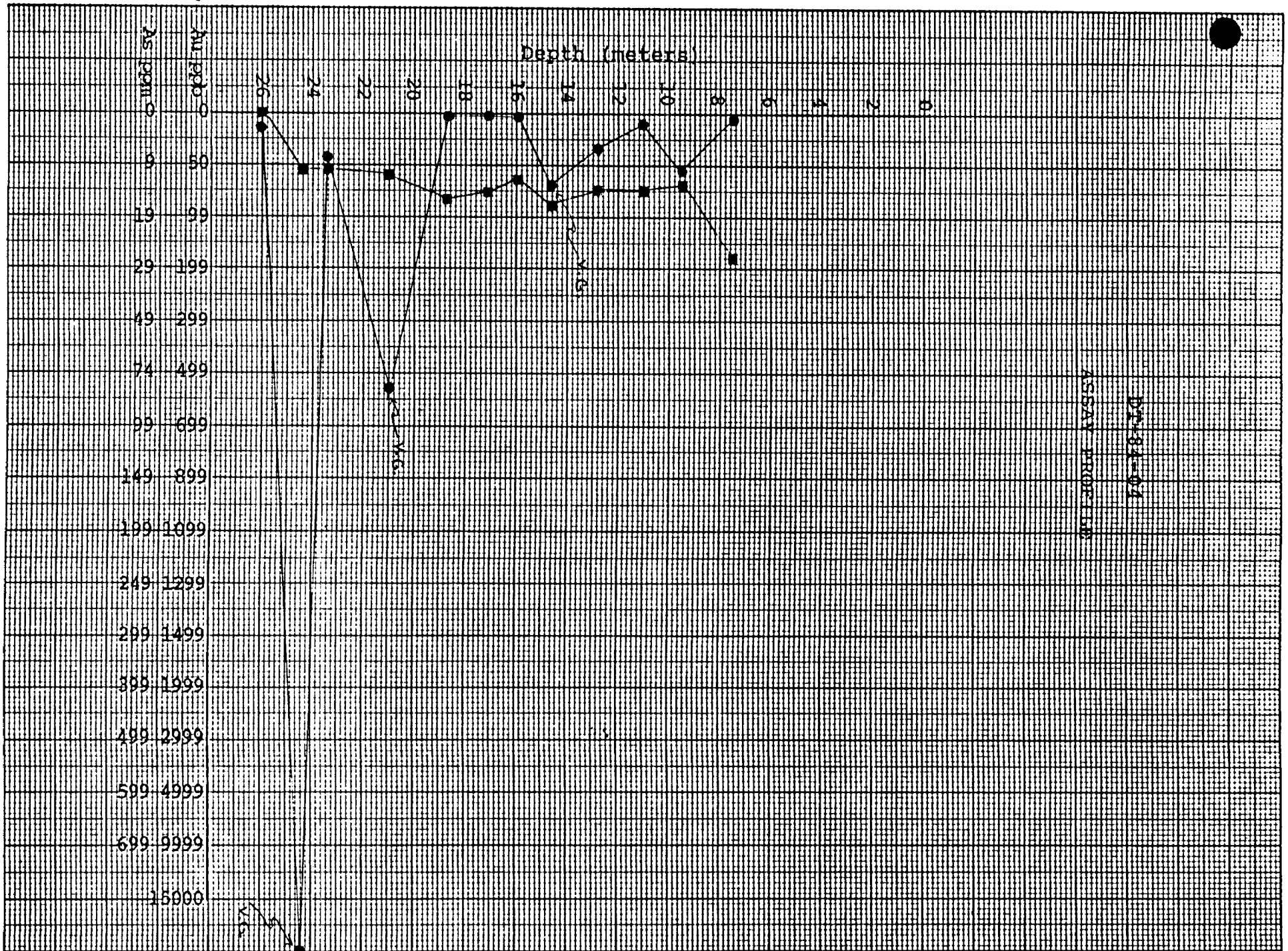
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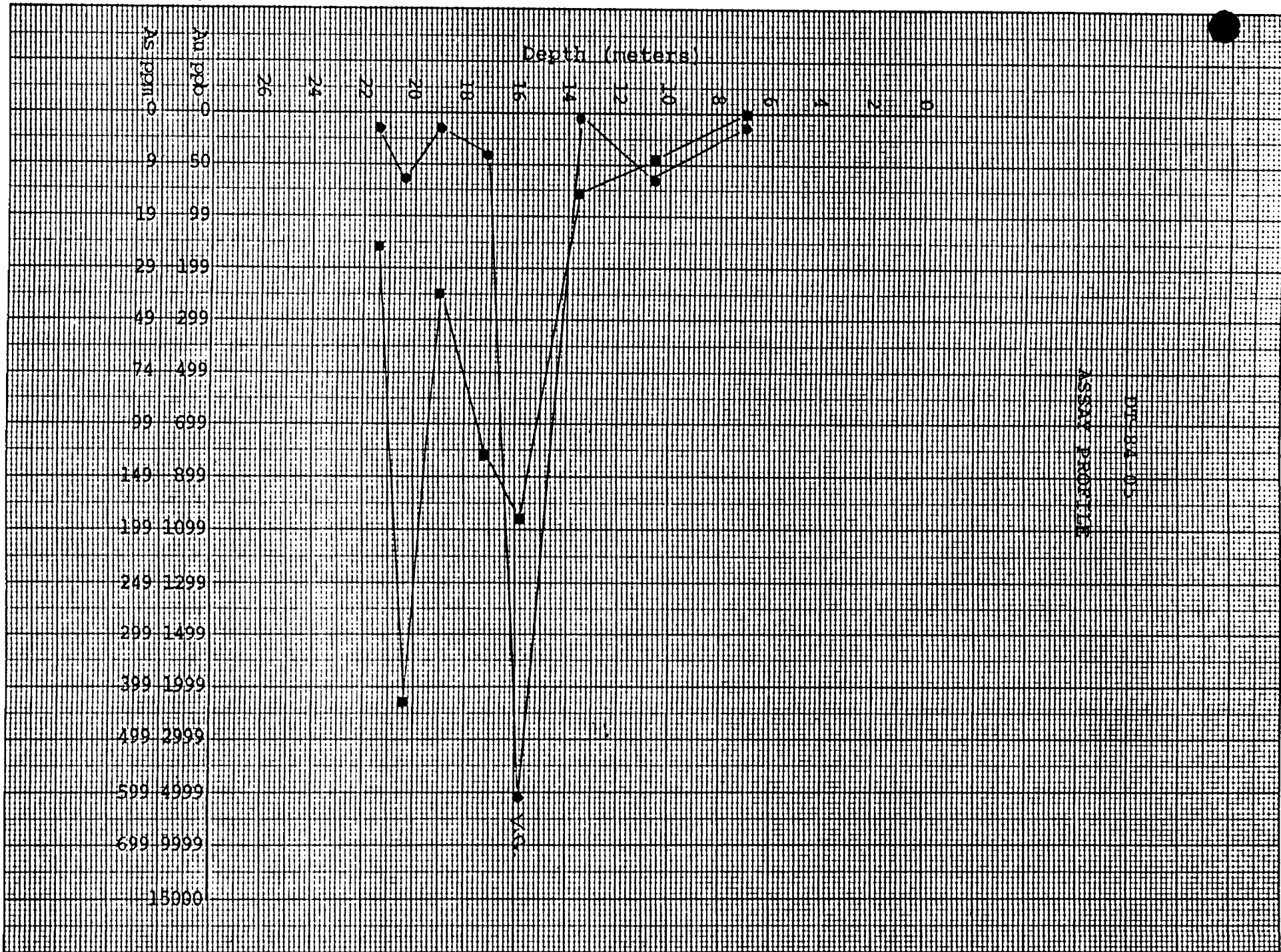




ASSOCIATED ENGINEERS

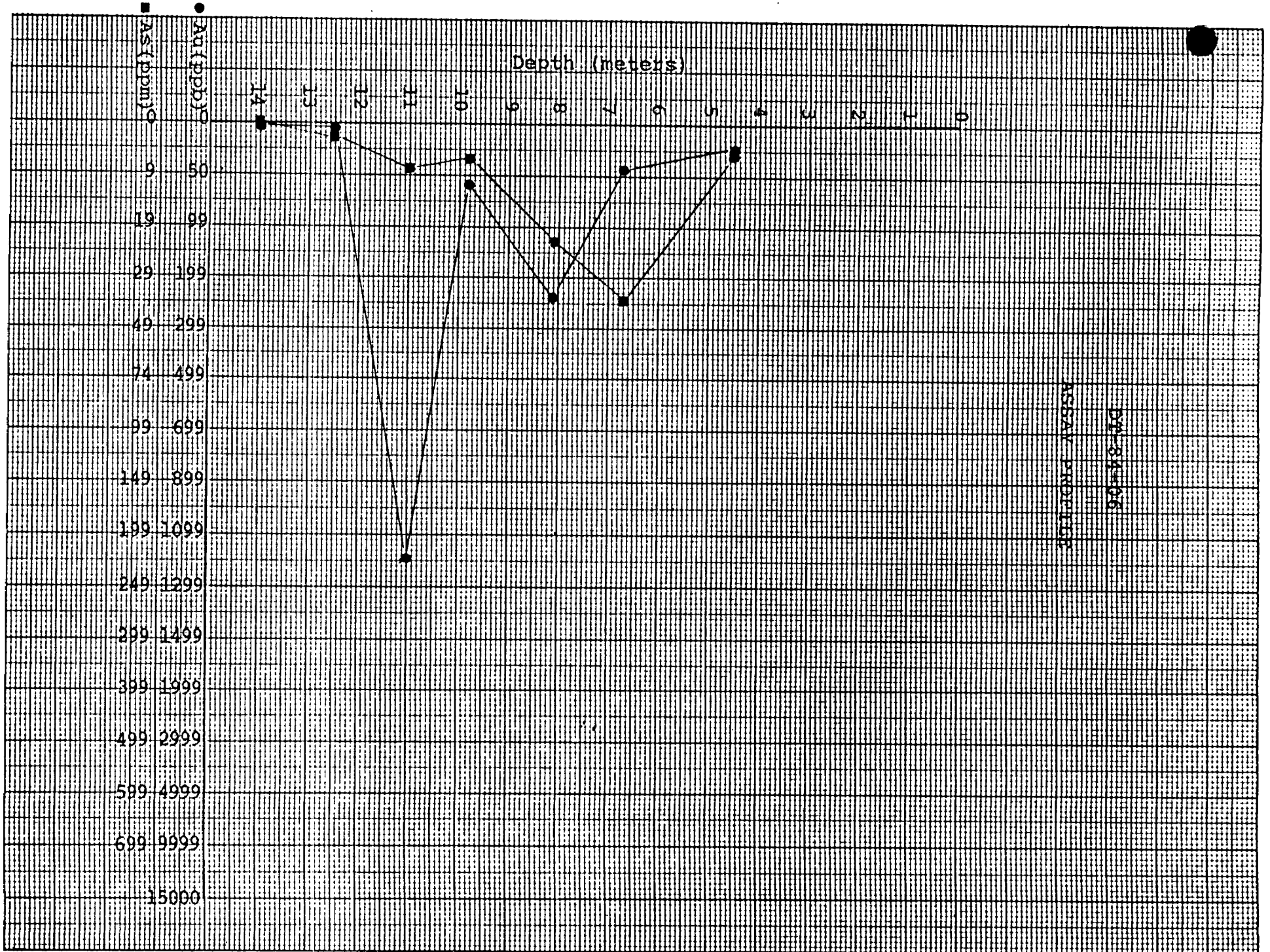
1984 U.T.





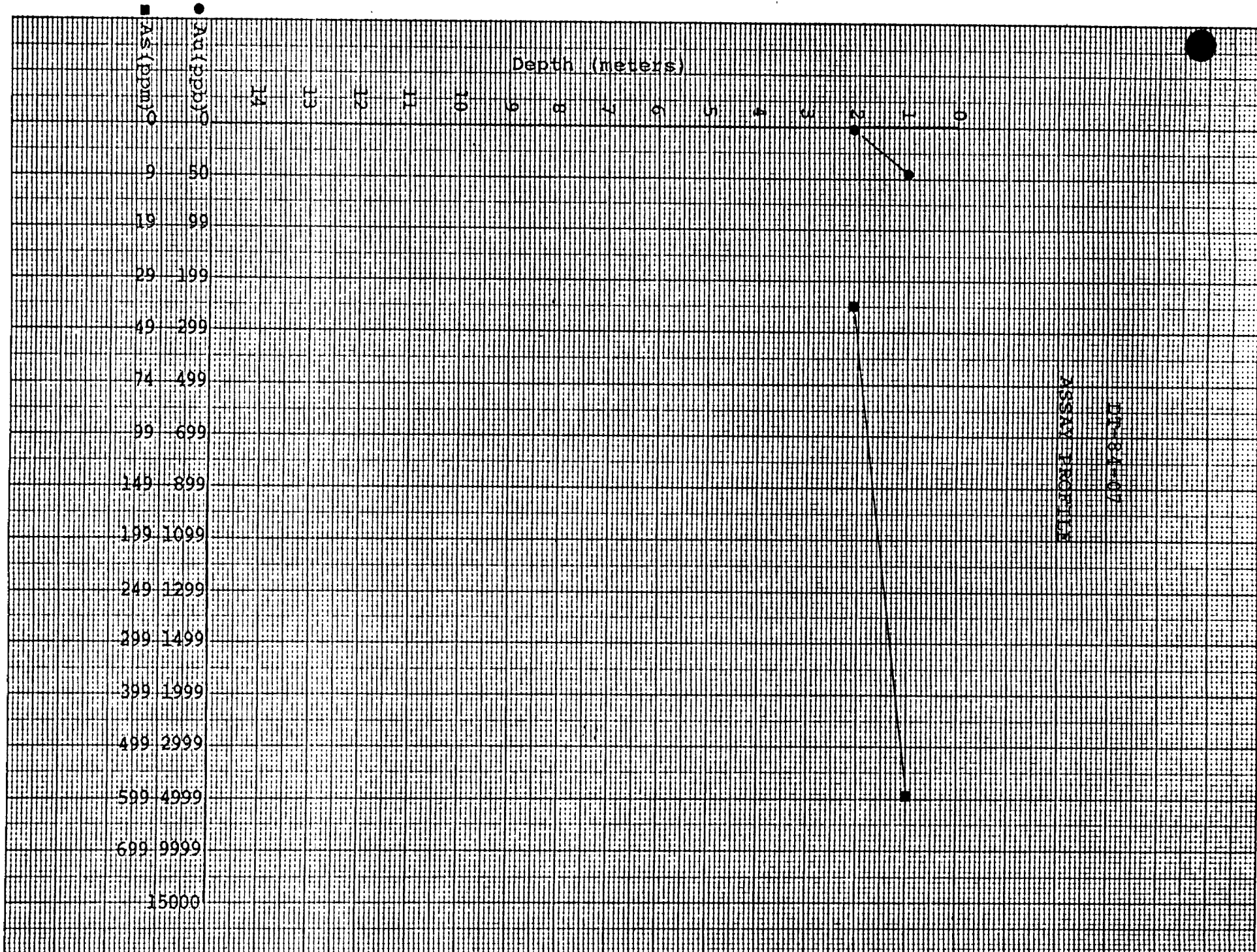
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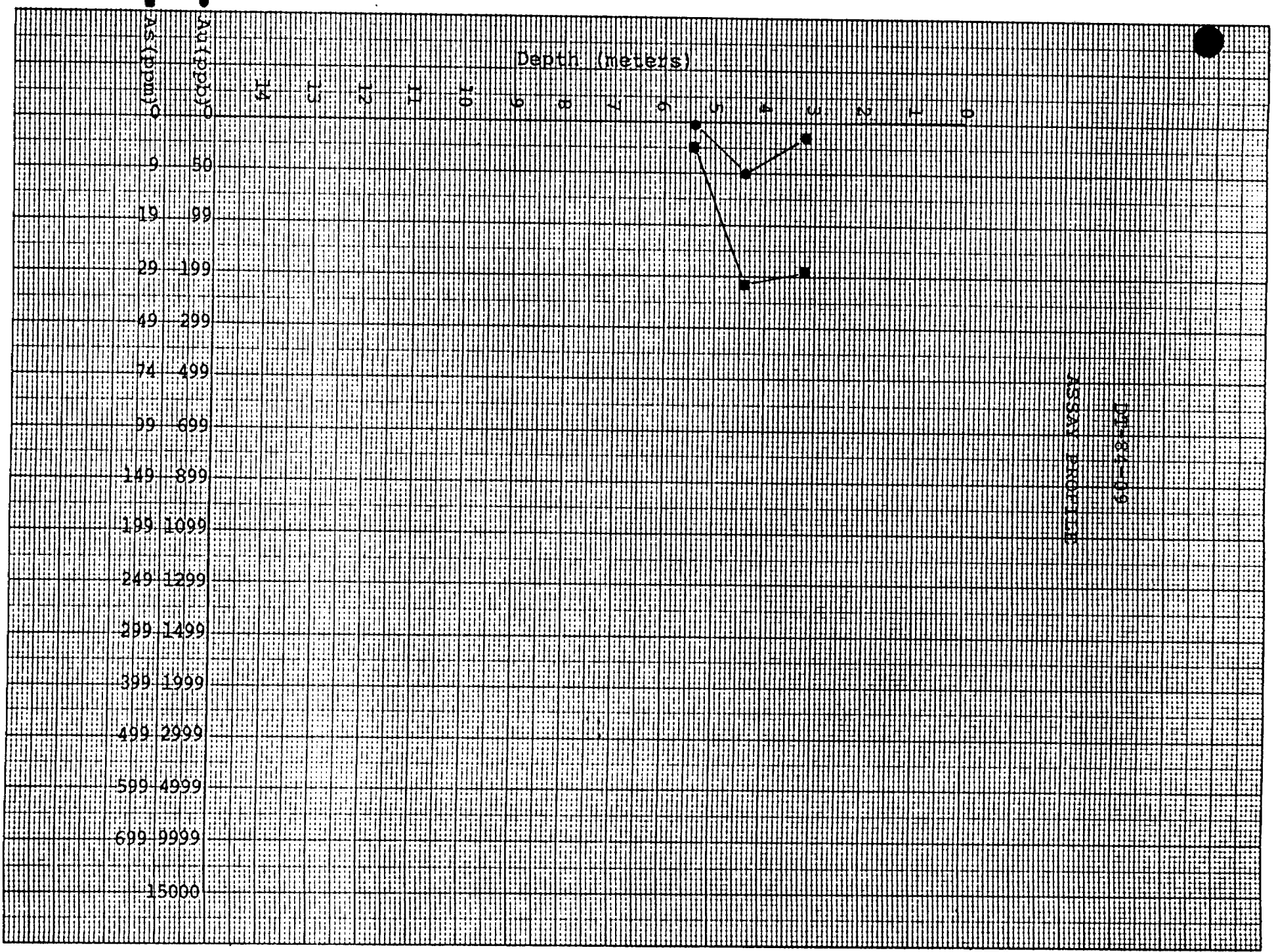
JUN 88 - JUL



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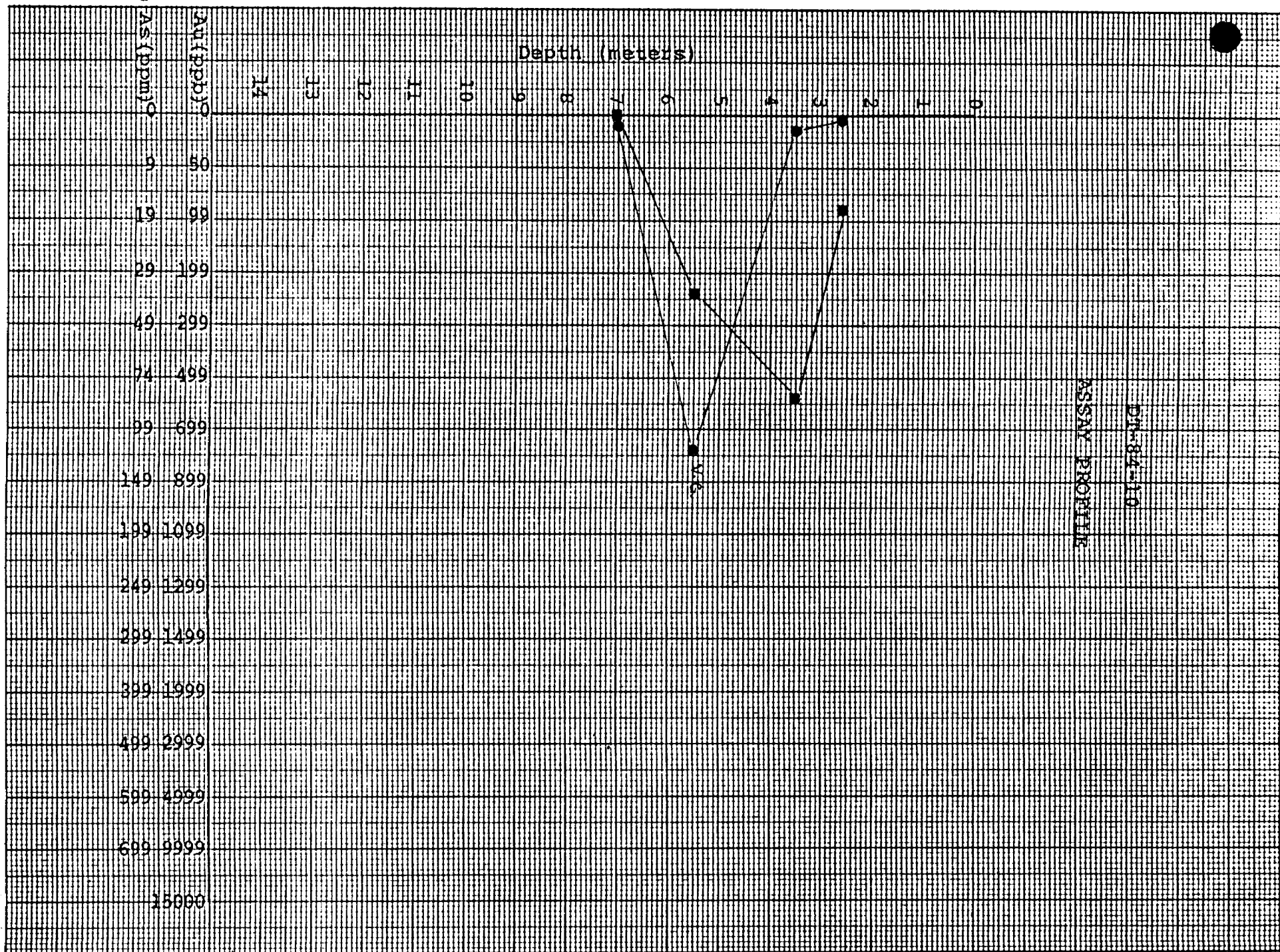
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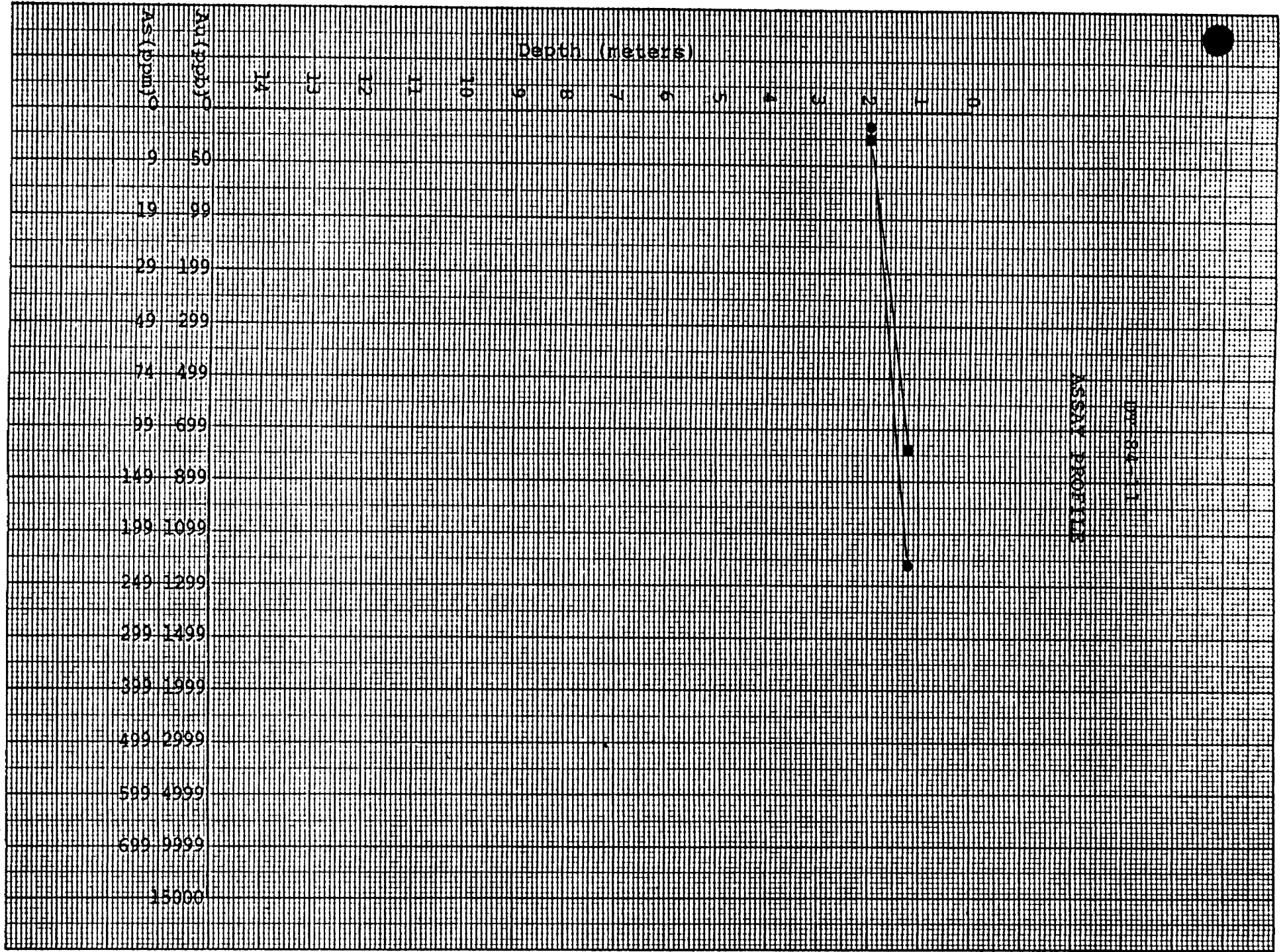
ASSAY PROJECT

D1-84-09



ASSAY PROFILE

DN-84-10

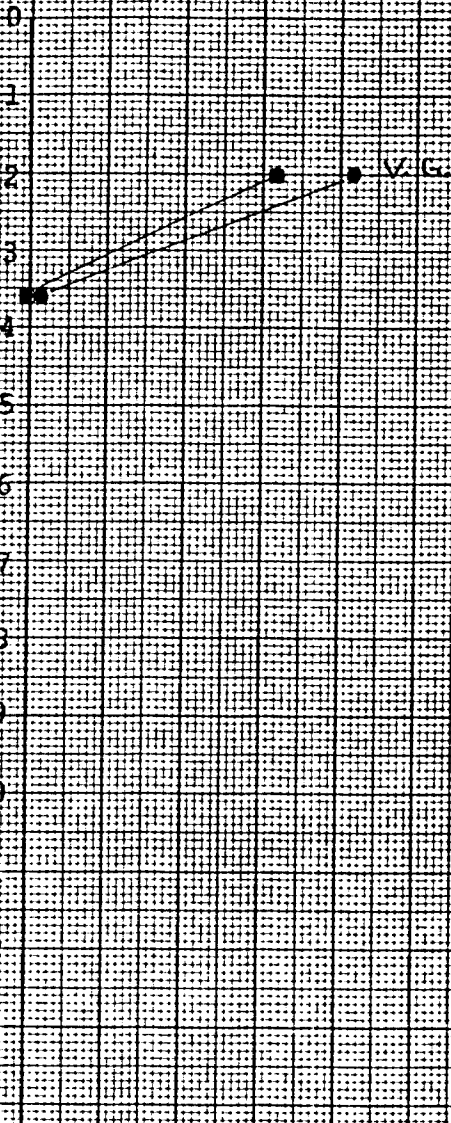


DT-84-13

ASSAY PROFILE

Depth (meters)

0
1
2
3
4
5
6
7
8
9
10
11
12
13
14



● Au (ppb)

● As (ppm)

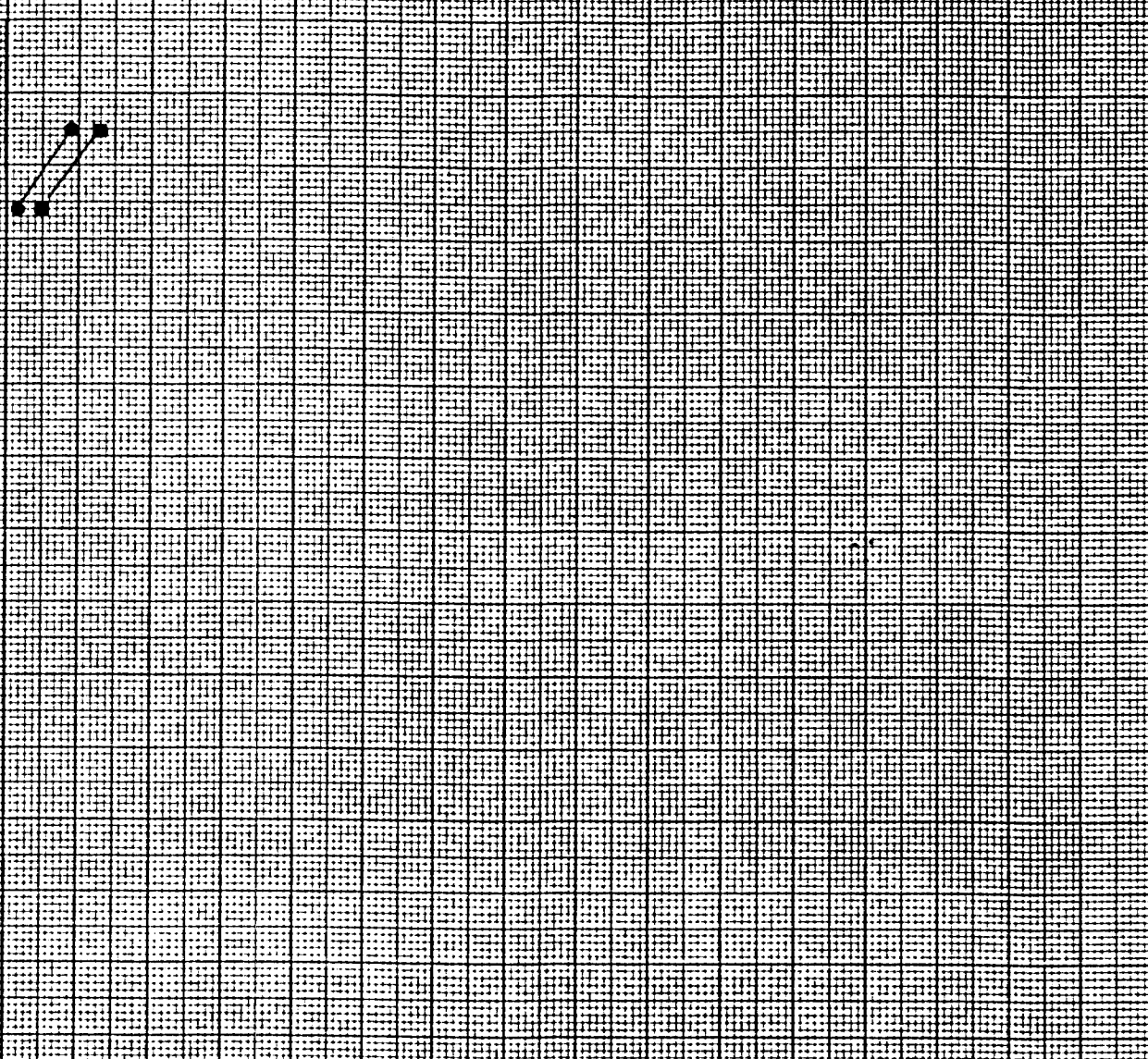
50	9
100	19
199	29
299	49
499	74
699	99
899	149
1099	199
1299	249
1499	299
1699	399
1899	499
2099	599
2299	699
2499	15000

DT-84-14

ASSAY PROFILE

Depth (meters)

0
1
2
3
4
5
6
7
8
9
10
11
12
13
14



● Au (ppb)	50
■ As (ppm)	9
	19
	29
	199
	49
	299
	74
	499
	99
	699
	149
	899
	199
	1099
	249
	1399
	299
	1499
	399
	1999
	499
	2999
	599
	4999
	699
	6999
	15000

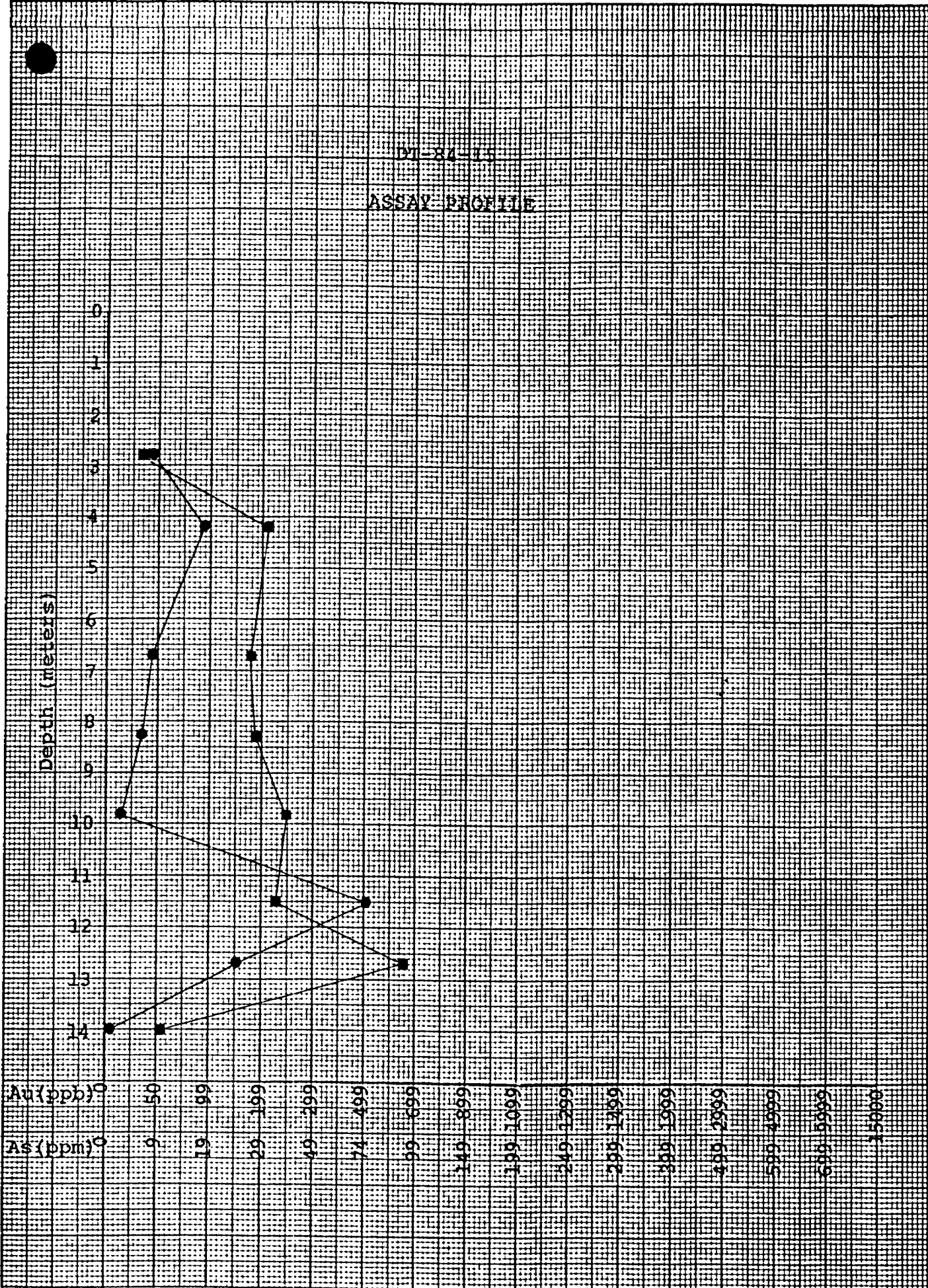
DT-84-15
ASSAY PROFILE

Depth (meters)

0
1
2
3
4
5
6
7
8
9
10
11
12
13
14

● Au (ppb) 9 50 19 99 29 199 69 199 74 499 99 699 149 899 199 1099 249 1299 299 1499 399 1999 499 2999 599 4999 699 5999 15999

■ As (ppm) 9 50 19 99 29 199 69 199 74 499 99 699 149 899 199 1099 249 1299 299 1499 399 1999 499 2999 599 4999 699 5999 15999



OVERBURDEN DRILLING MANAGEMENT LIMITED
LABORATORY SAMPLE LOG

Sample Number	Weight (kg. wet)			Weight (grams dry)				Grains V.G.	Description		Classification
	Table Split	+10 Rock Chips	-10 Table Feed	Table Conc	M.I. Lights	Non-mag	Mag		+10	Matrix	
DT-84-											
01-01	7.4	0.6	6.8	254.1	237.2	13.4	3.5	-	GRAN 30% 1/2 50% Gr. 20% LS. GCL.	UNSORTED GREY w CLAY.	T, LL
-02	6.9	0.7	6.2	188.7	169.4	15.5	3.8	-	PEBS 55% 1/2 35% 10% LS.	"	"
-03	6.8	0.5	6.3	145.6	99.9	30.0	15.7	-	"	"	"
-04	4.4	0.3	4.1	120.2	100.1	16.6	3.5	-	PEBS 60% 1/2 40% Gr. Tr. LS.	"	"
-05	3.6	0.3	3.3	88.2	73.0	12.7	2.5	-	COBS 15% 1/2 85% Gr. Tr. LS.	"	"
02-01	5.0	0.5	4.5	147.8	120.4	23.4	4.0	1r150x50	PEBS 50% 1/2 20% Gr. 30% LS. Organics	UNSORTED GREY- BEIGE w CLAY.	"
-02	2.1	0.2	1.9	97.1	88.9	6.7	1.5	-	COBS 90% 1/2 10% Gr. 10% LS.	"	"
03-01	4.3	0.6	3.7	137.0	119.1	13.5	4.4	-	PEBS 70% 1/2 15% Gr. 15% LS.	UNSORTED GREY w CLAY.	"
-02	6.1	0.5	5.6	127.1	109.4	12.8	4.9	-	PEBS 80% 1/2 10% Gr. 10% LS. GCL.	"	"
-03	6.3	0.4	5.9	159.1	145.3	9.8	4.0	-	"	"	"
-04	7.4	0.4	7.0	167.1	149.8	12.8	4.5	-	COBS 90% 1/2 10% Gr. Tr. LS. GCL.	"	"
-05	7.6	0.5	7.1	154.6	133.4	15.6	5.6	-	PEBS 80% 1/2 10% Gr. 10% LS. GCL.	"	"
-06	7.0	0.5	6.5	155.0	131.3	16.4	7.3	-	"	"	"
-07	4.6	0.4	4.2	126.9	113.1	10.0	3.8	-	"	"	"
-08	7.0	0.2	6.8	106.7	85.0	16.5	5.2	W150x100	"	"	"
-09	7.6	0.5	7.1	150.2	129.3	15.3	5.6	-	"	"	"
-10	3.4	0.3	3.1	72.9	63.1	6.6	3.2	-	COBS 95% 1/2 5% Gr. Tr. LS. GCL.	UNSORTED GREY- GREEN w CLAY.	"
04-01	8.4	1.4	7.0	111.2	70.1	32.7	8.4	-	PEBS 60% 1/2 25% Gr. 25% LS.	UNSORTED BEIGE w SILT	"
-02	5.8	1.0	4.8	108.8	85.1	18.3	5.4	-	"	UNSORTED GREY- BEIGE w CLAY.	"

OVERBURDEN DRILLING MANAGEMENT LIMITED
LABORATORY SAMPLE LOG

Sample Number	Weight (kg. wet)			Weight (grams dry)				Grains V.G.	Description		Classification
	Table Split	+10 Rock Chips	-10 Table Feed	Table Conc	M.I. Lights	Non-mag	Mag		+ 10	Matrix	
DT. 84-											
04. 03	7.9	0.7	7.2	143.3	100.2	29.5	13.6	-	PEBS 70% 1/8 15% Gr. 15% LS. GCL	UNSORTED GREY W CLAY.	TILL
-04	8.2	0.5	7.3	143.6	110.9	25.4	7.3	1r150x100	"	"	"
-05	8.1	0.7	7.4	109.5	76.0	25.9	7.6	-	"	"	"
-06	8.9	1.3	7.6	156.9	101.0	35.9	20.0	-	"	UNSORTED GREY. BEIGE W CLAY.	"
-07	9.3	2.5	6.8	109.0	67.6	23.6	17.8	-	PEBS 60% 1/8 30% Gr. 10% LS. GCL.	"	"
-08	6.6	0.8	5.8	84.7	60.3	18.5	5.9	-	"	"	"
-09	8.3	0.9	7.4	106.5	61.9	34.2	10.4	1r200x150	"	"	"
-10	7.5	0.7	6.8	98.2	57.1	31.8	9.3	-	"	"	"
-11	2.7	0.5	2.2	51.8	40.8	7.4	3.6	1r500x300 -x100.	PEBS 80% 1/8 15% Gr. 5% LS.	UNSORTED GREEN - GREY W SILT.	"
05 -01	7.6	-	7.6	122.6	62.7	52.6	7.3	-	-	SORTED GREY-BEIGE FINE W SILT.	SAND.
-02	6.7	0.7	6.0	117.6	93.6	19.3	4.7	-	PEBS 60% 1/8 30% Gr. 10% LS.	UNSORTED GREY - BEIGE W SILT.	TILL
-03	8.3	0.4	7.9	159.6	104.6	46.5	8.5	-	"	"	"
-04	9.0	3.2	5.8	108.6	80.5	20.8	7.3	*	"	UNSORTED GREEN GREY W SILT.	"
-05	8.9	2.5	6.4	197.2	145.2	34.1	17.9	-	COBS 80% 1/8 19% Gr. 1% LS.	"	"
-06	9.0	1.9	7.1	172.0	130.8	31.1	10.1	-	"	"	"
-07	5.8	0.7	5.1	85.2	60.8	19.0	5.4	-	" W GCL.	UNSORTED GREY - BEIGE W CLAY.	"
06. 01	6.6	0.7	5.9	103.6	72.3	25.5	5.8	-	PEBS 80% 1/8 GCL. 50% Gr. 20% LS.	UNSORTED BEIGE W CLAY.	"
-02	6.2	0.9	5.3	83.7	63.3	15.5	4.9	-	COBS 85% 1/8 13% Gr. 2% LS.	UNSORTED GREY - BEIGE W CLAY.	"
-03	8.4	1.3	7.1	92.4	69.4	17.6	5.4	-	COBS 20% 1/8 70% Gr. T. LS. GCL.	UNSORTED GREY W CLAY.	"

OVERBURDEN DRILLING MANAGEMENT LIMITED
LABORATORY SAMPLE LOG

Sample Number	Weight (kg. wet)			Weight (grams dry)				Grains V.G.	Description		Classification
	Table Split	+10 Rock Chips	-10 Table Feed	Table Conc	M.I. Lights	Non-mag	Mag		+ 10	Matrix	
DT-84-											
06-04	8.7	2.2	6.5	122.8	95.1	20.6	7.1	-	COBS 80% 1/2 15% Gr. 5% LS.	UNSORTED GREY- BEIGE W CLAY.	TILL
-05	8.2	2.7	5.5	165.4	135.2	20.1	10.1	-	PEBS 70% 1/2 20% Gr. 20% LS. GCL.	UNSORTED GREY W CLAY.	"
-06	5.9	0.8	5.1	146.4	124.6	14.7	7.1	-	"	"	"
07-01	2.6	0.3	2.3	73.0	65.0	7.7	0.3	-	COBS 100% 1/2.	UNSORTED BROWN W ROCK CHIPS/FLOUR.	"
09-01	4.4	0.1	4.3	116.9	108.2	6.9	1.8	-	PEBS 60% 1/2 20% Gr. 20% LS. GCL.	UNSORTED GREY W CLAY.	"
-02	3.6	0.4	3.2	100.3	93.4	5.2	1.7	-	COBS 80% 1/2 5% Gr. 15% LS. GCL.	UNSORTED GREY- GREEN W CLAY.	"
10-01	2.1	0.9	1.2	75.6	70.3	3.7	1.6	-	COBS 35% 1/2 60% Gr. 5% LS. GCL.	UNSORTED GREY W CLAY.	"
-02	7.2	1.4	5.8	128.9	100.0	18.8	10.1	-	PEBS 55% 1/2 10% Gr. 5% LS. GCL.	"	"
-03	8.8	0.7	8.1	238.0	231.5	4.9	1.6	A100x100	"	UNSORTED GREEN- GREY W CLAY.	"
11-01	2.9	0.3	2.6	66.6	62.3	4.1	0.2	-	COBS 99% 1/2	UNSORTED ORANGE- BROWN W CLAY.	"
13-01	6.8	1.3	5.5	139.1	118.2	15.8	5.1	A150x100	PEBS 80% 1/2 10% Gr. 10% LS. GCL.	UNSORTED GREY- GREEN W CLAY.	"
14-01	2.3	0.2	2.1	131.1	128.9	1.8	0.4	-	"	"	"
15-01	6.8	0.8	6.0	164.7	135.4	24.0	5.3	-	"	UNSORTED BROWN W CLAY.	"
-02	8.0	1.9	6.1	183.4	160.4	17.1	5.9	-	"	UNSORTED GREY W CLAY.	"
-03	7.8	1.6	6.2	116.4	90.7	17.4	8.3	-	"	"	"
-04	8.4	2.0	6.4	162.8	139.0	17.3	6.5	-	"	"	"
-05	8.0	1.8	6.2	144.7	119.8	17.9	7.0	-	"	"	"
-06	8.6	1.8	6.8	190.7	150.6	26.4	13.7	-	"	UNSORTED GREY- GREEN W CLAY.	"
-07	7.8	1.0	6.8	199.3	182.8	11.3	5.2	-	"	"	"

OVERBURDEN DRILLING MANAGEMENT LIMITED
LABORATORY SAMPLE LOG

Sample Number	Weight (kg. wet)			Weight (grams dry)			Grains V.G.	Description		Classification
	Table Split	+10 Rock Chips	-10 Table Feed	Table Conc	M.l. Lights	Non-mag		Mag	+10	
	Number assigned to sample in the field									
	Weight of whole sample as received from the field less a 250 gram representative split (geochem)									
	Weight of sample greater than 10 mesh									
	Weight of sample less than 10 mesh. This portion is fed across the shaking table.									
	Dry weight of heavy mineral split recovered from the shaking table									
	Weight of shaking table concentrate less than 3.3 specific gravity.									
	Weight of table concentrate heavier than 3.3 specific gravity with magnetic fraction removed									
	Magnetic fraction of heavy mineral concentrate									
	Description and size (in microns) of gold grains visible on the shaking table									
	Description of texture: e.g. granules, cobbles, pebbles Clast percentages Presence of other materials e.g. pure clay clumps wood chips									
	Description: e.g. sorted, unsorted, colour, texture									
	Description: Till, Gravel, Sand									



OVERBURDEN DRILLING MANAGEMENT LIMITED

3 CLEOPATRA DRIVE, NEPEAN, ONTARIO K2G 3M9 (613) 226-1774

LIST OF ABBREVIATIONS USED ON LAB DATA SHEETS:

Tr	Trace
Cobs	Cobbles
Pebs	Pebbles
GClS	Gritty clay balls
SClS	Smooth clay balls
V/S	Volcanic and/or sedimentary rocks
Gr	Granitic rocks
Lime	Limestone

ABBREVIATIONS USED FOR GOLD DESCRIPTION:

A	Abraded
R	Rounded
D	Delicate
IR	Irregular
SD	Simple delicate



REPORT: 014-2171

FROM: LABRADOR MINING AND EXPLORATION CO. LTD.
 DATE: 29-AUG-84 PROJECT:

SUBMITTED BY: OVERBURDEN DRILLING

ORDER	ELEMENT	LOWER DETECTION LIMIT	EXTRACTION	METHOD	SIZE FRACTION	SAMPLE TYPE	SAMPLE PREPARATIONS
01	Au	5 PPB	AQUA REGIA	Fire Assay AA	-200	HEAVY MINERAL CC	PULVERIZE -200
02	wt/Au	.01 GM					
03	As	2 PPM	NITRIC-PERCHLOR-DIG	Colourimetric	-200		

REPORT COPIES TO: P.O. BOX 320
 OVERBURDEN DRILLING MGMT.

INVOICE TO: P.O. BOX 320

REMARKS: < MEANS LESS THAN.
 > MEANS GREATER THAN.

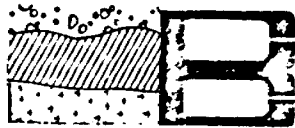
NOTE: THIS REPORT SUPERCEDES ALL PREVIOUS
 COPIES. A GOLD VALUE FOR SAMPLE DT-84-14-01
 HAS BEEN INCLUDED IN THIS COPY.
 THE APPROXIMATE AU CONCENTRATION OF SAMPLE
 DT-84-04-11-3/4 IS 840 PPB.

DETECTION LIMITS FOR GOLD
 10 GRAM SAMPLE: 5 PPB.
 5 GRAM SAMPLE: 10 PPB.
 1 GRAM SAMPLE: 50 PPB.

SAMPLE WT. 10 G. UNLESS OTHERWISE STATED.

NOTE:
 CHECK CONCENTRATION/SAMPLE WEIGHT RATIO
 FOR EFFECTIVE DETECTION LEVEL.

1



REPORT: 014-2171

PROJECT:

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPM	wt/Au GR	As PPM	NOTE	SAMPLE NUMBER	ELEMENT UNITS	Au PPM	wt/Au GR	As PPM	NOTE
DT-84-01-01-3/4		150	8.40	2		DT-84-06-06-3/4		<10	8.30	3	
DT-84-01-02-3/4		170	9.30	17		DT-84-07-01-3/4		45	3.80	592	
DT-84-01-03-3/4		<5		17		DT-84-09-01-3/4		<15	3.60	28	
DT-84-01-04-3/4		60		19		DT-84-09-02-3/4		50	2.40	32	
DT-84-01-05-3/4		200	7.90	65		DT-84-10-01-3/4		<40	1.40	17	
DT-84-02-01-3/4		30		6		DT-84-10-02-3/4		15		84	
DT-84-02-02-3/4		<20	3.20	19		DT-84-10-03-3/4		940	2.00	36	
DT-84-03-01-3/4		<10	8.50	38		DT-84-11-01-3/4		1205	1.50	124	
DT-84-03-02-3/4		25	7.80	74		DT-84-13-01-3/4		335		31	
DT-84-03-03-3/4		450	5.50	19		DT-84-14-01-3/4		<50	15	22	
DT-84-03-04-3/4		105	7.70	38		DT-84-15-01-3/4		45		6	
DT-84-03-05-3/4		20	9.80	21		DT-84-15-02-3/4		95		30	
DT-84-03-06-3/4		650		19		DT-84-15-03-3/4		45		27	
DT-84-03-07-3/4		<10	5.70	17		DT-84-15-04-3/4		35		28	
DT-84-03-08-3/4		135		21		DT-84-15-05-3/4		15		34	
DT-84-03-09-3/4		145	3.60	16		DT-84-15-06-3/4		505		32	
DT-84-03-10-3/4		35	3.20	13		DT-84-15-07-3/4		155	6.50	95	
DT-84-04-01-3/4		<5		27							
DT-84-04-02-3/4		55		13							
DT-84-04-03-3/4		10		14							
DT-84-04-04-3/4		35		14							
DT-84-04-05-3/4		65		17							
DT-84-04-06-3/4		<5		12							
DT-84-04-07-3/4		<5		14							
DT-84-04-08-3/4		<5		16							
DT-84-04-09-3/4		545		11							
DT-84-04-10-3/4		45		10							
DT-84-04-11-3/4		> 15000	3.80	10							
DT-84-05-01-3/4		15		<2							
DT-84-05-02-3/4		65		8							
DT-84-05-03-3/4		5		15							
DT-84-05-04-3/4		5500		178							
DT-84-05-05-3/4		30		130							
DT-84-05-06-3/4		15		40							
DT-84-05-07-3/4		70		424							
DT-84-06-01-3/4		25		5							
DT-84-06-02-3/4		45	9.70	38							
DT-84-06-03-3/4		240		22							
DT-84-06-04-3/4		60		6							
DT-84-06-05-3/4		1190		8							



BELL-WHITE ANALYTICAL LABORATORIES LTD.

P.O. BOX 187,

HAILEYBURY, ONTARIO

TEL: 672-3107

Certificate of Analysis

NO. B912-84

DATE: August 21, 1984

SAMPLE(S) OF: Rock (24)

RECEIVED: August, 1984

SAMPLE(S) FROM: Labrador Mining and Exploration Co. Ltd.
Timmins, Ontario

RECEIVED
AUG 23 1984
LABORATORIES

*Labrador samples
14103-14120
9653-19*

Sample No.	Gold/ppb
14103	7
4	4
5	11
6	27
7	16
8	14
9	2
14110	4
1	8
2	11
3	3
4	8
5	14
6	14
7	8
8	7
9	5
14120	8
1	11
2	7

IN ACCORDANCE WITH LONG-ESTABLISHED NORTH AMERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED OTHERWISE GOLD AND SILVER VALUES REPORTED ON THESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENSATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.

BELL-WHITE ANALYTICAL LABORATORIES LTD.



BELL-WHITE ANALYTICAL LABORATORIES LTD.

P.O. BOX 187.

HAILEYBURY, ONTARIO

TEL: 672-3107

Certificate of Analysis

NO. B918-84

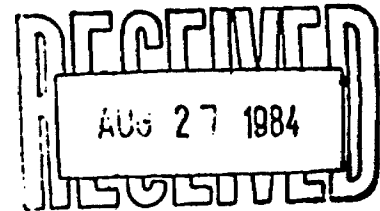
DATE: August 22, 1984

SAMPLE(S) OF: Rock(20)

RECEIVED: August, 1984

SAMPLE(S) FROM: Labrador Mining and Exploration Co. Ltd. (Timmins, Ont.)

*bedrock samples
overburden Driller's
Dexter #1-86
9653-19*



<u>Sample No.</u>	<u>Arsenic ppm</u>	<u>Sample No.</u>	<u>Arsenic ppm</u>
14103	10	14113	5
4	5	4	ND
5	ND	5	5
6	ND	6	ND
7	ND	7	5
8	25	8	ND
9	ND	9	ND
14110	40	14120	5
1	50	1	10
2	5	2	10

Note: ND denotes not detected.

ACCORDANCE WITH LONG-ESTABLISHED NORTH AMERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED OTHERWISE GOLD AND SILVER VALUES REPORTED ON THESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENSATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.

BELL-WHITE ANALYTICAL LABORATORIES LTD.

PER

Location Bedrock samples (chips) from overburden programmeDenton Township - Denton #1-80 (for Au ppb, As ppm)
Samples 14103-14122

August 1984

Presented by _____

9653-19

No.	Description	Au ppb	Au. oz	Ag.	Cu.	Pb.	Zn.	As
14103	^{Aug 9 (DRA)} - sericite schist - dacite - grey, schistose sericitic dacite with about 80% vein quartz and 3-5% py. - from drill hole #1.	7						10
14104	- bedrock fines from same drill hole (#1) - fine pyrite readily visible.	4						5
14105	- bedrock chips - Hole 2 - intermediate to mafic volcanic - 20% str., tr.py. - see log.	(11)						ND
14106	- bedrock chips - Hole 3 - intermediate to mafic volcanic, approx. 5% stringer material.	(27)						ND
14107	- bedrock chips - Hole 4 - epidote-altered mafic volcanic - 30% qtz.	(16)						ND
14108	- bedrock chips - Hole 5 - carbonated, rusty intermediate to mafic volcanic - chips very fine.	(14)						(25)
14109	- bedrock chips - Hole 6 - chloritic, schistose, mafic volcanic.	2						ND
14110	- bedrock chips - Hole 7 - schistose, sericitic dacite, trace graphite.	4						(40)
14111	- bedrock chips - Hole 7A - schistose, sericitic, partly rusted dacite.	8						(50)
14112	- bedrock chips - Hole 8 - greyish schistose dacite, partly rusted.	11						5
14113	- bedrock chips - Hole 9 - coarse flow mafic volcanic - trace of veining, trace of sulphides.	3						5
14114	- bedrock chips - Hole 10 - grey green to olive schistose, carbonated mafic to intermediate volcanic.	8						ND

Location _____

Presented by _____

August 1984

No.	Description	Au ppb	Au. oz	Ag.	Cu.	Pb.	Zn.	As
	<i>Aug. 7 (DRA)</i> Bedrock samples from overburden programme, <u>Denton #1-80</u> (continued)							
14115	- bedrock chips - Hole 11 - medium grey green to green, intermediate volcanic.	14						5
14116	- bedrock chips - Hole 11A - greyish to rusty, schistose, carbonated, dacite.	14						ND
14117	- bedrock chips - Hole 12 - moderately schistose, chloritized, mafic volcanic.	8						5
14118	- bedrock chips - Hole 13 - talc-chlorite schist.	7						ND
14119	- bedrock chips - Hole 13A - friable, medium grained mafic volcanic.	5						ND
14120	- bedrock chips - Hole 14 - olive to grey green, schistose/sheared, friable mafic volcanic - strong clay.	8						5
14121	- bedrock chips - Hole 14A - talc-chlorite schist - strong clay return.	11						10
14122	- bedrock chips - Hole 15 - sericite schist to talc-sericite schist, strong clay.	7						10

APPENDIX C

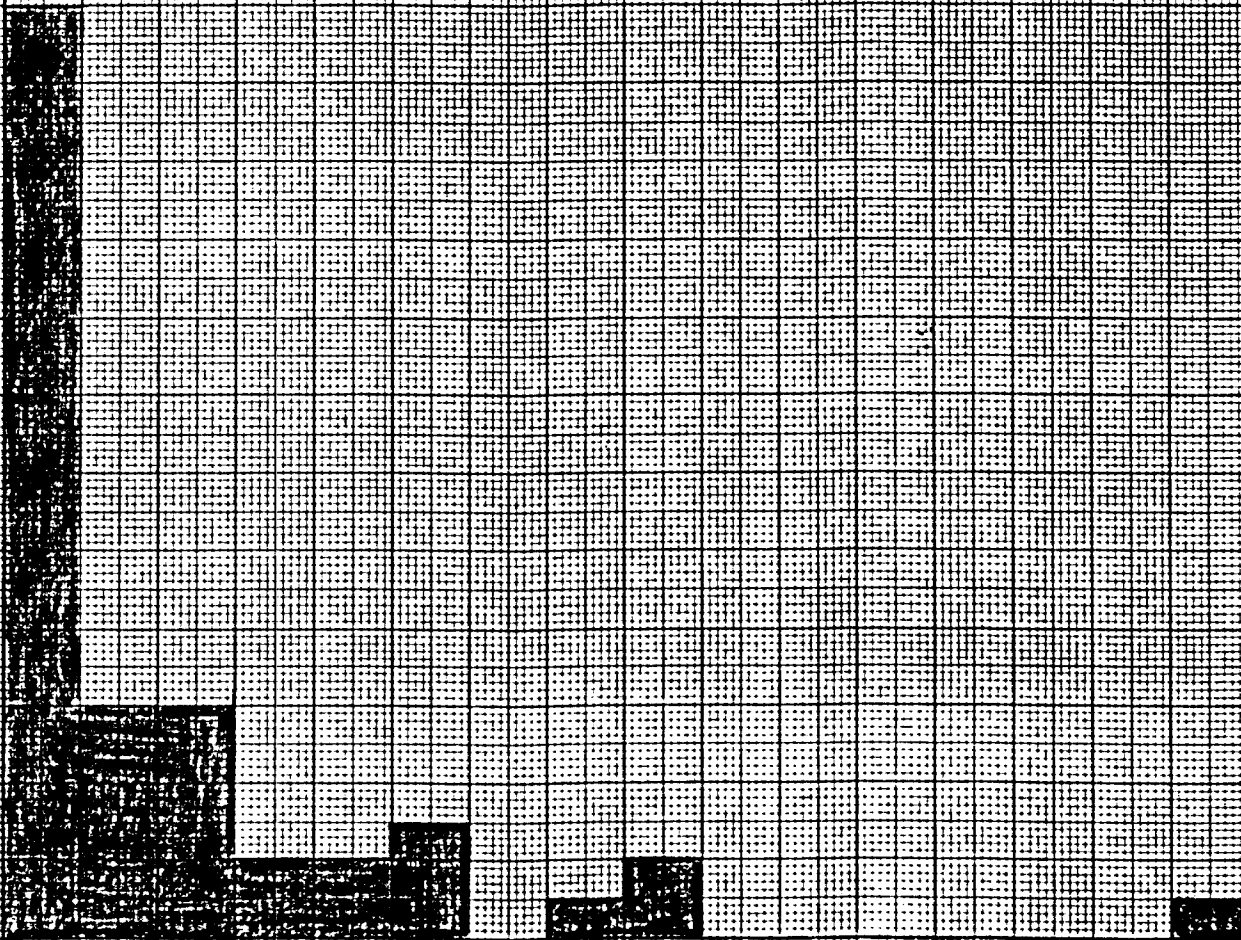
GOLD DISTRIBUTION IN TILL

of Samples

30
28
26
24
22
20
18
16
14
12
10
8
6
4
2

0-49
50-99
100-199
200-299
300-499
500-699
700-899
900-1099
1100-1299
1300-1499
1500-1999
2000-2999
3000-4999
5000-9999
9999-5000
> 5000

AU (ppb)



ARSENIC DISTRIBUTION

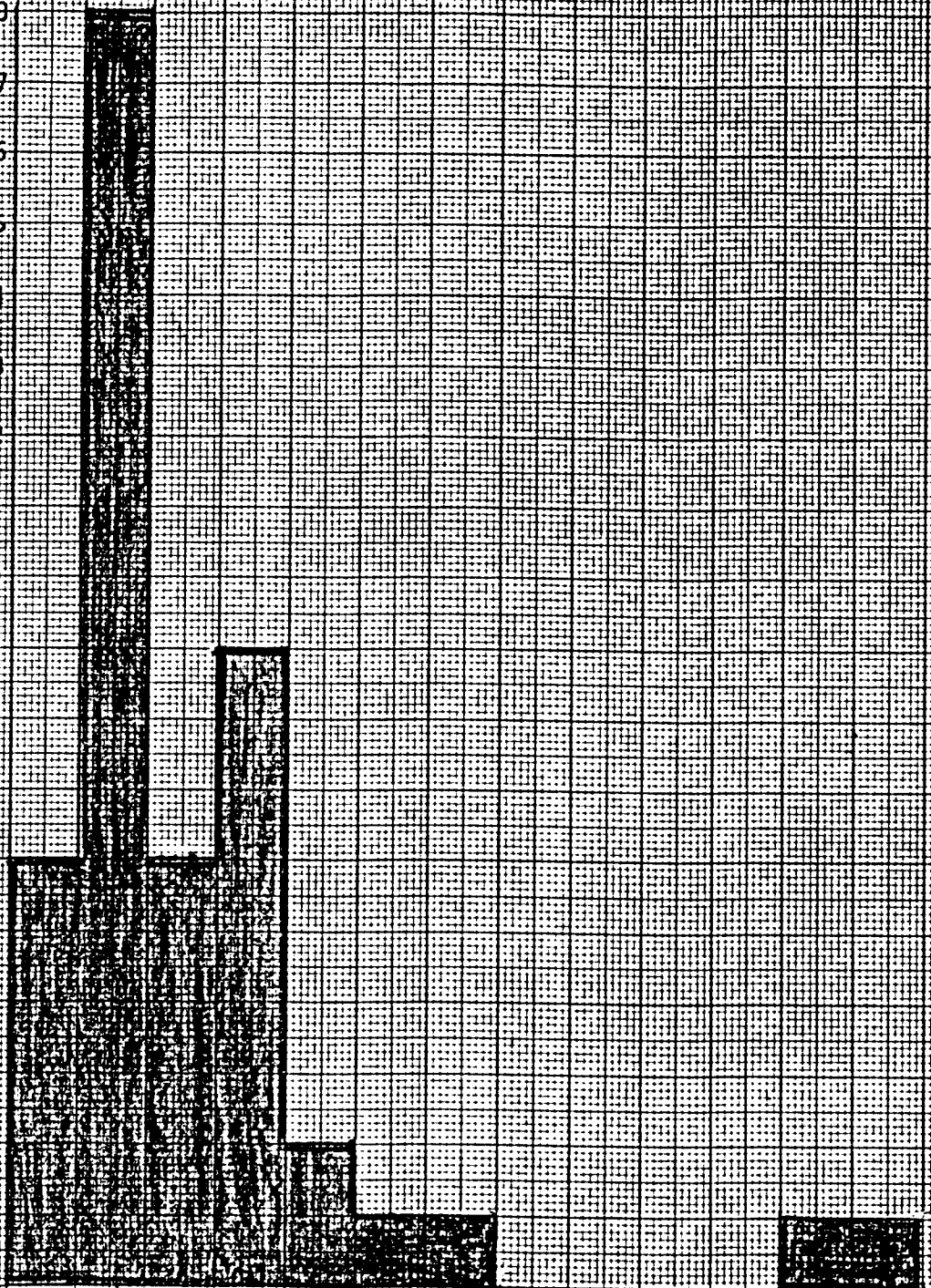
5th
FILL

of samples

18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1

0-9
10-19
20-29
30-49
50-74
75-99
100-149
150-199
200-249
250-299
300-399
400-499
500-599
600-699
700-799

As ppm



As ppm	# of samples
0-9	6
10-19	18
20-29	6
30-49	9
50-74	2
75-99	1
100-149	1
150-199	0
200-249	0
250-299	0
300-399	0
400-499	1
500-599	0
600-699	0
700-799	0

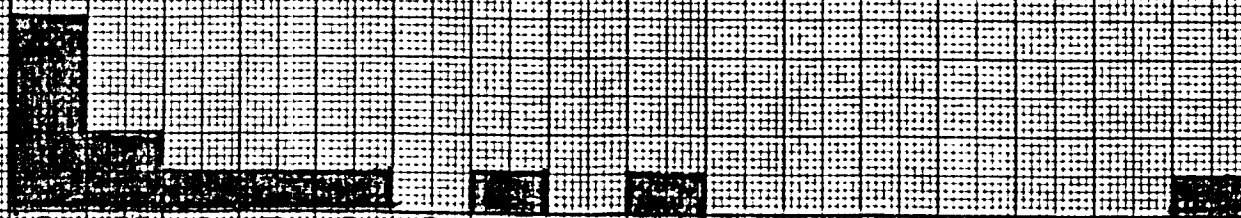
GOLD DISTRIBUTION IN BASAL TILL

OF SAMPLES

30
28
26
24
22
20
18
16
14
12
10
8
6
4
2

0-49
50-99
100-199
200-299
300-399
500-699
700-899
900-1099
1100-1299
1300-1499
1500-1999
2000-2999
3000-4999
5000-9999
9999-5000
> 5000

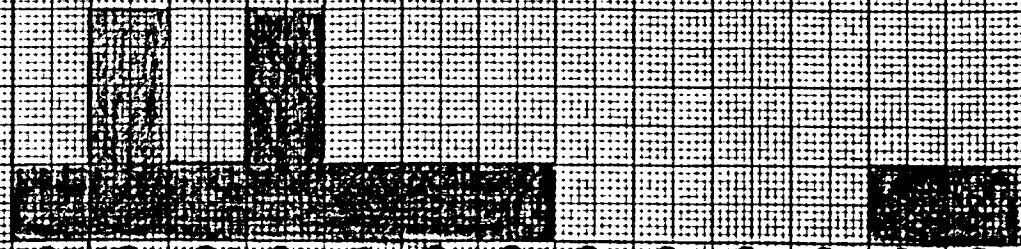
21 (996)



ARSENIC DISTRIBUTION in BASAL TILL

of Samples

18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
0



0-9
10-19
20-29
30-49
50-74
75-99
100-149
150-199
200-249
250-299
300-399
400-499
500-599
600-699
> 699
AS (ppm)

GOLD DISTRIBUTION in DISTAL OVERBURDEN

of samples

30
28
26
24
22
20
18
16
14
12
10
8
6
4
2

0-49

50-99

100-199

200-299

300-499

500-699

700-899

900-1099

1100-1299

1300-1499

1500-1999

2000-2999

3000-4999

5000-9999

9999-15000

> 15000

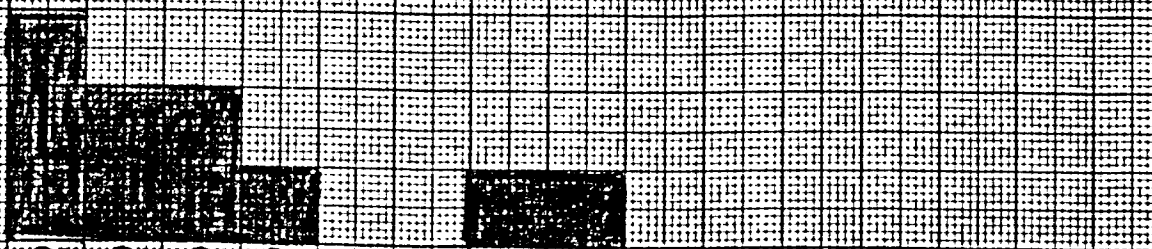
ppb



ARSENIC DISTRIBUTION in DISTAL OVERBURDEN

of Samples

18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1



0-5
10-19
20-29
30-49
50-74
75-99
100-149
150-199
200-249
250-299
300-399
400-499
500-599
600-699
> 699

As (ppm)

GOLD DISTRIBUTION
in
BEDROCK

OF SAMPLES

30
28
26
24
22
20
18
16
14
12
10
8
6
4
2

0-49

50-99

100-199

200-299

300-499

500-699

700-899

900-1099

1100-1299

1300-1499

1500-1999

2000-2999

3000-4999

5000-9999

9999-15000

> 15000

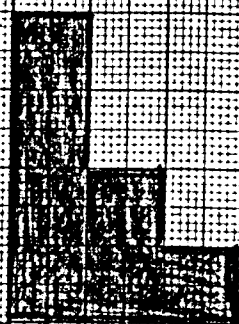
21 (ppb)



ARSENIC DISTRIBUTION in BEDROCK

of samples

18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1



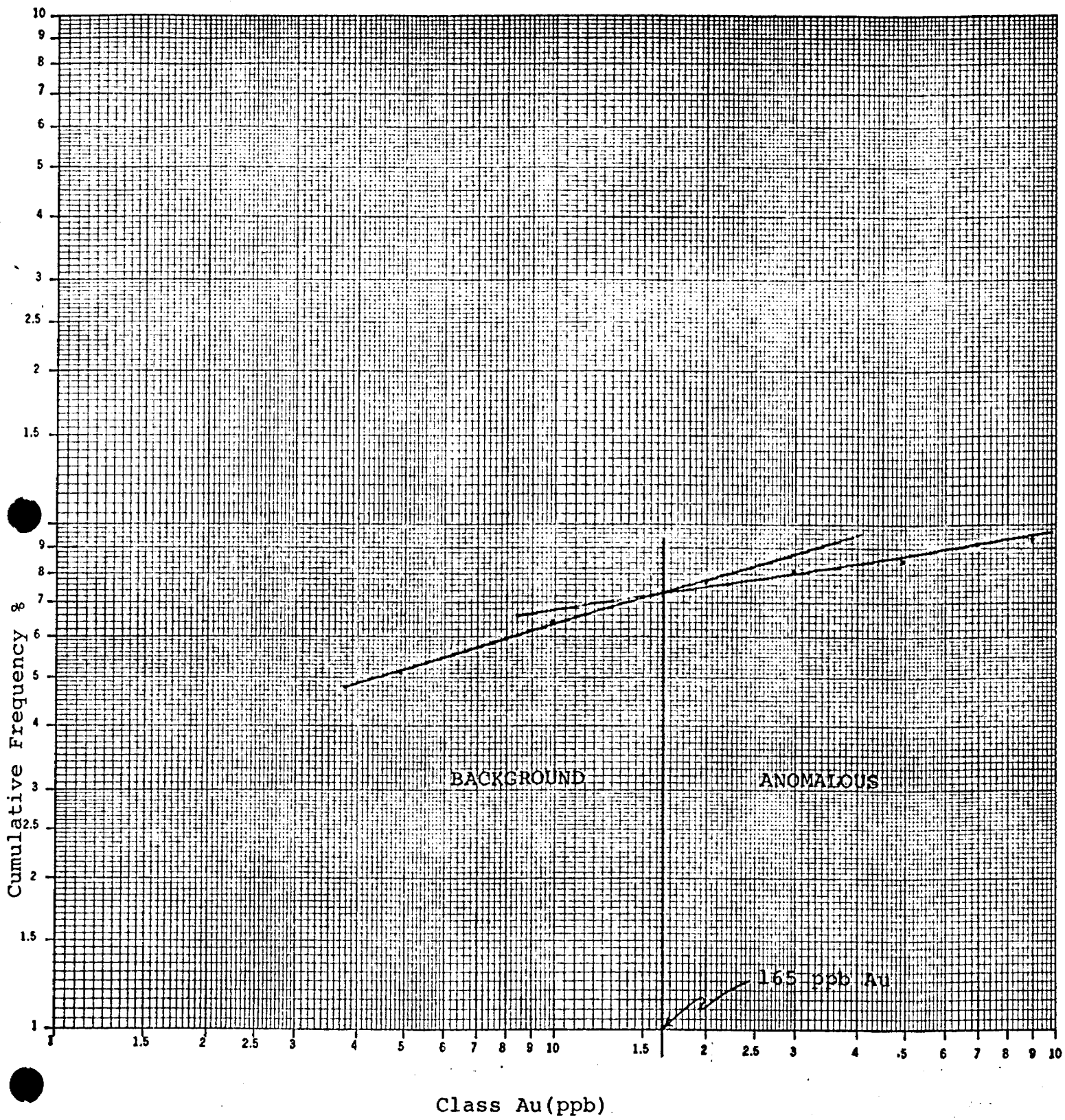
0-9
10-19
20-29
30-49
50-74
75-99
100-149
150-199
200-249
250-299
300-399
400-499
500-599
600-699
> 699

As ppm

LOG/LOG PLOT

GRAPHIC CONTROLS CANADA LTD.
MADE IN CANADA

G-110 LOGARITHMIC 2X2 CYCLES

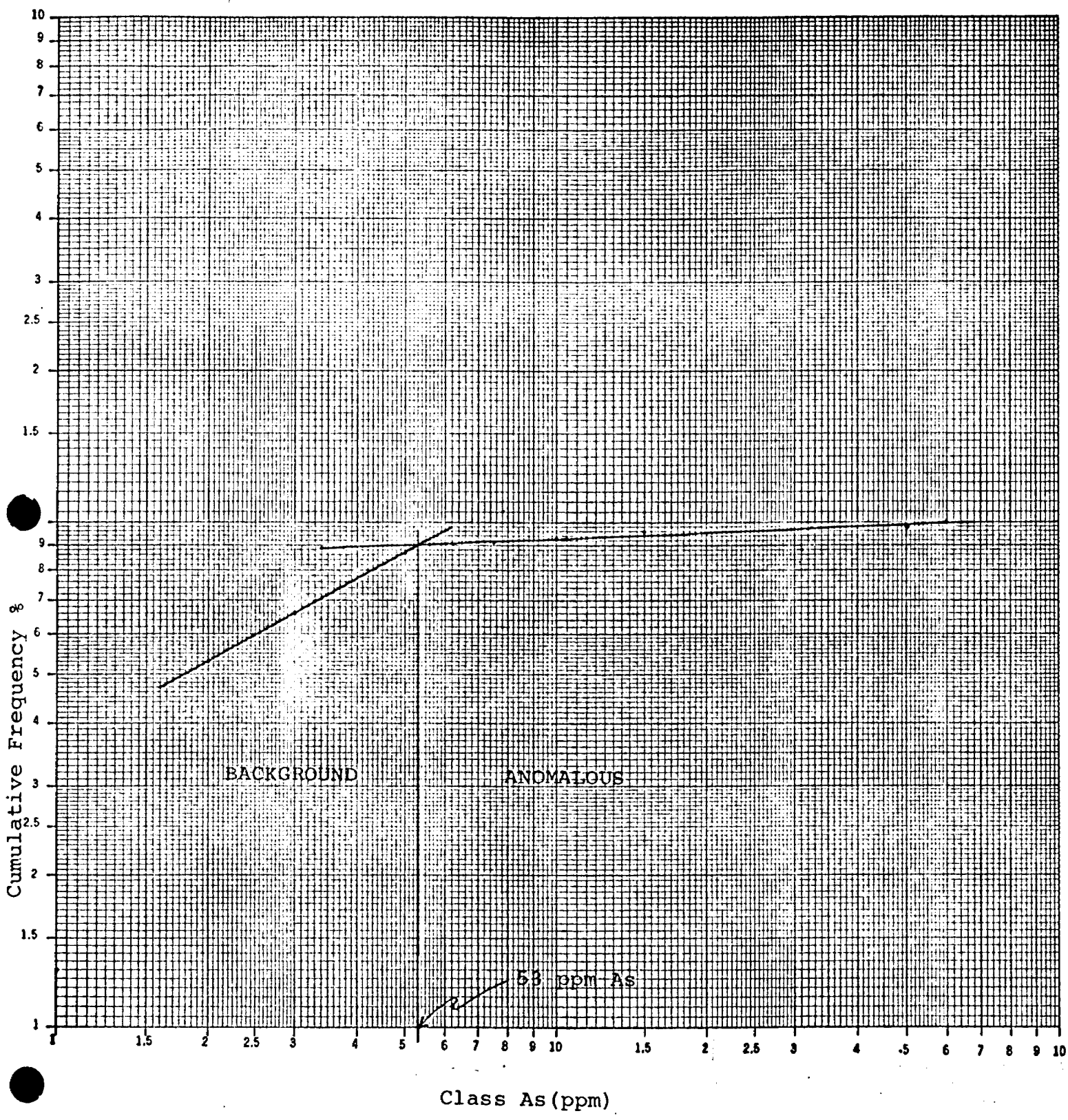


Class Au(ppb)

LOG/LOG PLOT

GRAPHIC CONTROLS CANADA LTD.
MADE IN CANADA

G-110 LOGARITHMIC 2X2 CYCLES



APPENDIX D

STATEMENT OF EXPENDITURES

1. a)	Bradley Bros. Limited: July 31, 1984		
	Drilling time	\$ 1,080.00	
	Down-hole consumables	<u>1,271.90</u>	\$ 2,351.90
b)	Bradley Bros. Limited: August 15, 1984		
	Drilling time	4,860.00	
	Down-hole consumables	<u>2,917.55</u>	7,777.55
2. a)	Overburden Drilling Management Ltd.: Aug. 21, 1984		
	Invoice #088494 Consulting Services	1,480.00	
	Equipment Rental	125.00	
	Field Equipment	<u>87.40</u>	1,692.40
b)	Overburden Drilling Management Ltd.: Sept. 5, 1984		
	Invoice #098496 Laboratory Services	1,636.00	
	Expenses (shipping costs)	<u>213.24</u>	1,849.24
3.	Bondar-Clegg and Company Limited: August 24, 1984		
	Invoice #107885 Gold Assays	364.00	
	Arsenic Assays	199.50	
	Sample Preparation	<u>99.75</u>	663.25
4. a)	Bell-White Analytical Laboratories Ltd.: Aug. 21, 1984		
	Invoice #17046 Gold Assays	204.00	
	Sample Preparation	<u>60.00</u>	264.00
b)	Bell-White Analytical Laboratories Ltd.: Aug. 22, 1984		
	Invoice #17063 Arsenic Assays		100.00
		TOTAL	= <u>\$ 14,698.34</u>

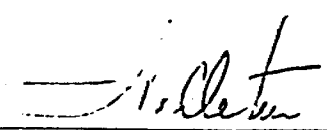
Using the expenditure credit method for obtaining assessment work credits: \$14,698.34 ÷ 15 = 979.8 days of assessment credits.
Copies of receipted invoices follow in Appendix D.

BRADLEY BROS. LIMITED

July 31, 1984

CONTRACT DIAMOND DRILLING

Labrador Mining & Exploration Company Limited
P.O. Box 320,
Timmins, Ontario P4N 7E2

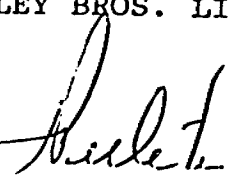
HOLE No.	TO COVER DIAMOND DRILLING FOR			FOOTAGE COMPLETED	
	FROM	TO	July 31		
	Mobilization:				
	20 miles			\$5.00	\$100 00
DT01	0'	30'	30'		
02	0'	20'	20'		
03	0'	40'	40'		
	Operating hours:				
	6 hours			180.00	1,080 00
	Down the hole consumables:				
	1 Tricone bit	@ \$650.00	-	\$650.00	
	1 Adapter	@ 456.00	-	456.00	
				\$1106.00	
		Plus 15%		165.90	
					<u>1,271 90</u>
					<u>\$2,451 90</u>
	Sept. 17, 1984				
	Received payment in full				
	BRADLEY BROS. LIMITED				
	 _____ F. Pelletier				

BRADLEY BROS. LIMITED

August 15, 1984

CONTRACT DIAMOND DRILLING

Labrador Mining & Exploration Company Limited
P.O. Box 320
Timmins, Ontario P4N 7E2

HOLE No.	TO COVER DIAMOND DRILLING FOR			FOOTAGE COMPLETED		
	FROM	TO	August 1 to 3 1984			
<u>Denton Township</u>						
DT-03	40'	66'	26'			
-04	0'	86'	86'			
-05	0'	70'	70'			
-06	0'	46'	48'			
-07	0'	9'	9'			
-07A	0'	4'	4'			
-08	0'	8'	8'			
-09	0'	19'	19'			
-10	0'	24'	24'			
-11	0'	9'	9'			
-11A	0'	10'	10'			
-12	0'	10'	10'			
-13	0'	14'	14'			
-13A	0'	14'	14'			
-14	0'	11'	11'			
-14A	0'	13'	13'			
-15	0'	48'	48'			
Operating hours:						
	27 hours		@	\$180.00		\$4,860 00
Down the hole consumables:						
	2 Tricone bits	@	\$650.00	-	\$1300.00	
	1 tricone bit	@	50%		325.00	
	2 Adaptors	@	456.00	-	912.00	
					<u>\$2537.00</u>	
			Plus 15%		<u>380.55</u>	
						<u>2,917 55</u>
						<u>\$7,777 55</u>
Sept. 17, 1984						
Received payment in full						
BRADLEY BROS. LIMITED						
 F. Pelletier						



OVERBURDEN DRILLING MANAGEMENT LIMITED

3 CLEOPATRA DRIVE, NEPEAN, ONTARIO K2G 3M9 (613) 226-1774

August 21, 1984

To: Labrador Mining and Exploration Company Limited
P.O. 320
Timmins, Ontario
P4N 7E2

Re: Field Consulting Services
Invoice #088494

PAID SEP 20 1984

Consulting Services:

K. MacNeil	1,360.00
S. Averill	<u>120.00</u>
	1,480.00

Equipment Rental:

Field Supplies - July 30-Aug 03	
5 days @ 25.00	125.00

Field equipment:

16 containers @ 4.75	87.40
----------------------	-------

Expenses:

travel	664.29
other	<u>79.75</u>
	744.04

INVOICE TOTAL:

\$3,036.44
~~-600.00~~
\$2,436.44

N. Averill
General Manager





OVERBURDEN DRILLING MANAGEMENT LIMITED

3 CLEOPATRA DRIVE, NEPEAN, ONTARIO K2G 3M9 (613) 226-1774

September 05, 1984

To: Labrador Mining and Exploration Company Ltd.
P.O. 320
Timmins, Ontario
P4N 7E2

Re: Laboratory Services
Invoice #098496

PAID SEP 20 1984

Laboratory Services:

57 overburden samples
prepare heavy minerals concentrates
plus count, describe and measure
visible gold @ 28.00 1,596.00

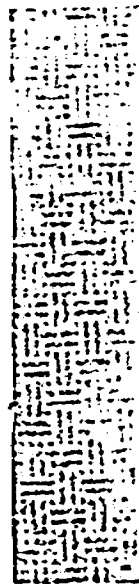
02 panned @ 20.00 40.00

\$1,636.00

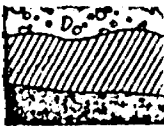
Expenses: as per attached summary and
receipts 213.24

Invoice total: \$1,849.24

Nancy Averill
General Manager



Bondar-Clegg & Company Ltd.
5420 Canotek Rd.,
Ottawa, Ontario,
Canada K1J 8X5
Phone: (613) 741-1100
Telex: 053-3233



BONDAR-CLEGG

1
LABRADOR MINING AND EXPLORATION CO. LTD.
P.O. BOX 320
TIMMINS, ONTARIO
P4H 7E2

Invoice: 107885
Date: August 24, 1984
Report. No: 014-2171

56 Analyses of Gold - Fire Assay	at	6.50	364.00	
Subtotal			364.00	364.00
57 Analyses of Arsenic	at	3.50	199.50	
Subtotal			199.50	199.50
Sample Preparation				
57 Samples of PULVERIZE -200	at	1.75	99.75	
Subtotal			99.75	99.75
Invoice Total				663.25

PAID
Sept 17
E. Leggett 6044

R. Bedman for
BONDAR-CLEGG & COMPANY LTD.
5420 CANOTEK RD.
GLOUCESTER, ONTARIO
K1J 8X5

THIS IS A PROFESSIONAL SERVICE
ACCOUNTS DUE WHEN RENDERED



BELL-WHITE ANALYTICAL LABORATORIES LTD.

P.O. BOX 187 HAILEYBURY, ONTARIO TEL: (705) 672-3107
POJ 1K0

Labrador Mining & Exploration Co. Ltd.
P.O. Box 320
TIMMINS, Ontario
P4N 7E2

INVOICE No 17046

ORDER NO.

DATE August 21, 1984

CERTIFICATE NO.	DATE	DESCRIPTION	AMOUNT
B912-84	Aug. 21/84	24 Au @ \$8.50 24 sample preparations @ \$2.50	\$ 204.00 <u>60.00</u> <u>\$ 264.00</u>

RECEIVED
PAYMENT
WITH THANKS

BELL-WHITE ANALYTICAL LABORATORIES LTD.

PER 



HOLLINGER ARGUS LIMITED

P.O. BOX 320
TIMMINS, ONTARIO P4N 7E2

TELEPHONE: (705) 264-1313

December 6, 1984

Mr. E.F. Anderson,
Director, Lands Administration Branch,
Ministry of Natural Resources,
Whitney Block, Room 6450,
Queen's Park,
TORONTO, Ontario.
M7A 1W3

Dear Mr. Anderson:

Re: 20 claims - Denton Township,
P.568488 et al

RECEIVED	
Land Management Branch	
CIRCULATE	<input type="checkbox"/>
COMMENTS PLEASE	<input type="checkbox"/>
BY	
DEC 12 1984	
S. E. YUNDT	
J. R. MORTON	
J. C. SMITH	
W. L. GOOD	
M. J. HOGAN	
W. P. BROOK	
RETURN TO R. 6643	

Enclosed you will find duplicate copies of a Report on Overburden Drilling which we have completed on our claims in Denton Township, together with a copy of the Report of Work which was filed with the Mining Recorder for the Porcupine Mining Division.

Sincerely,

RECEIVED

DEC 12 1984

MINING LANDS SECTION

W. H. King

W. H. King,
Records Officer.

Encls.

Mining Lands Section

File No 27552

Control Sheet

TYPE OF SURVEY GEOPHYSICAL
 GEOLOGICAL
 GEOCHEMICAL
 ✓ EXPENDITURE

016 Drilling Sampling 100 samples

MINING LANDS COMMENTS:

LD

Doug
Signature of Assessor

12/12/84
Date

CARSCALLEN TWP. M.267

TOWNSHIP OF

DENTON

DISTRICT OF
TIMISKAMING
PORCUPINE
MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

LEGEND

- PATENTED LAND Ⓟ
- CROWN LAND SALE Ⓒ.S.
- LEASES Ⓛ
- LOCATED LAND Loc.
- LICENSE OF OCCUPATION L.O.
- MINING RIGHTS ONLY M.R.O.
- SURFACE RIGHTS ONLY S.R.O.
- ROADS —
- IMPROVED ROADS —
- KING'S HIGHWAYS —
- RAILWAYS —
- POWER LINES —
- MARSH OR MUSKEG —
- MINES X
- CANCELLED C.

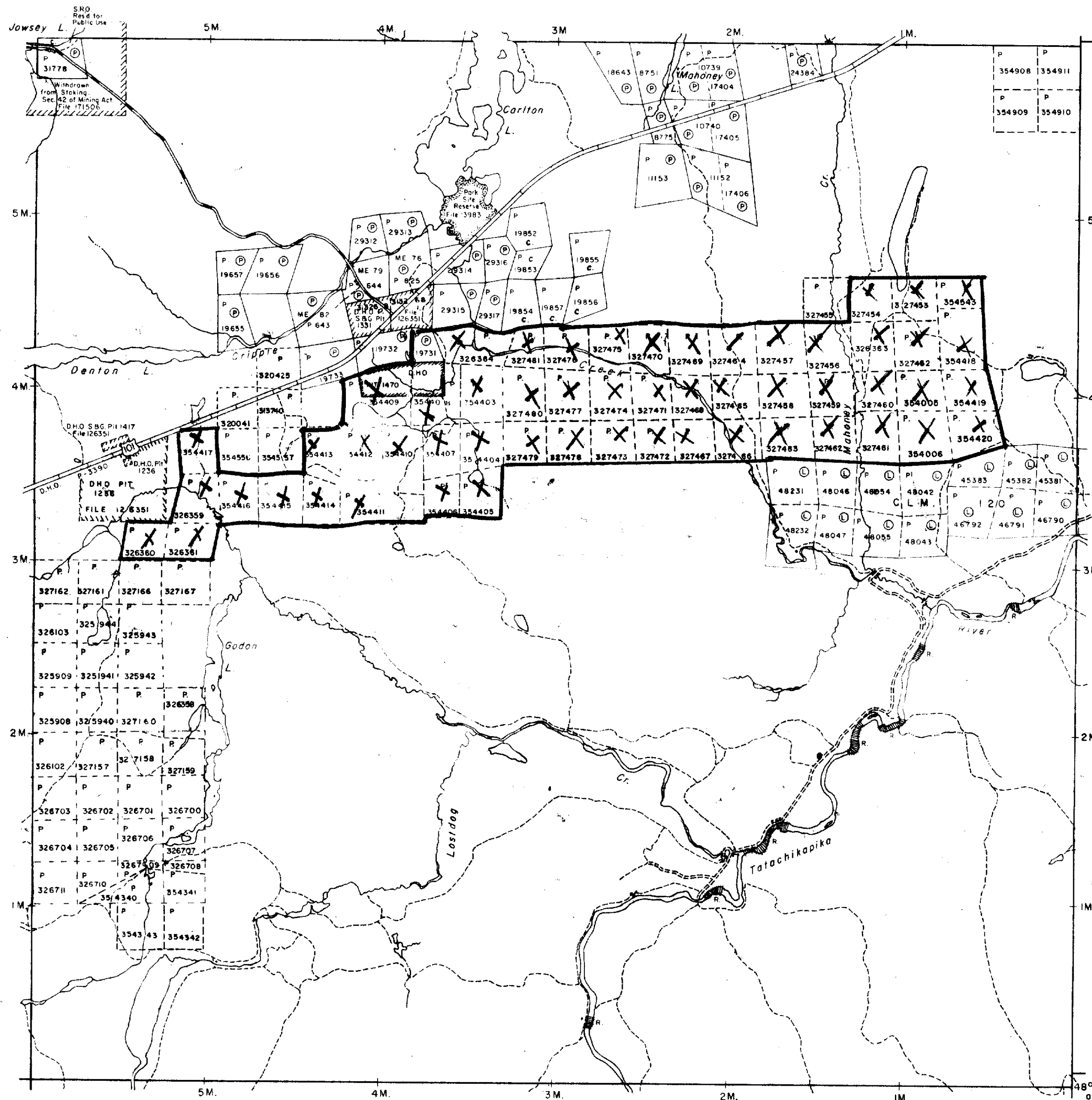
NOTES

400' surface rights reservation along the shores of all lakes and rivers.

MINING LANDS
DATE OF ISSUE
JUL - 9 1973
MINISTRY
OF NATURAL RESOURCES

PLAN NO. M.273

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH



KEEFER TWP. M.290

THORNLOE TWP. M.313

REYNOLDS TWP. M.308

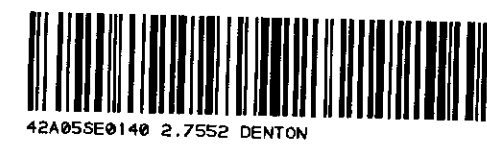
48° 16' 39''
approx.
81° 35' 49''
approx.

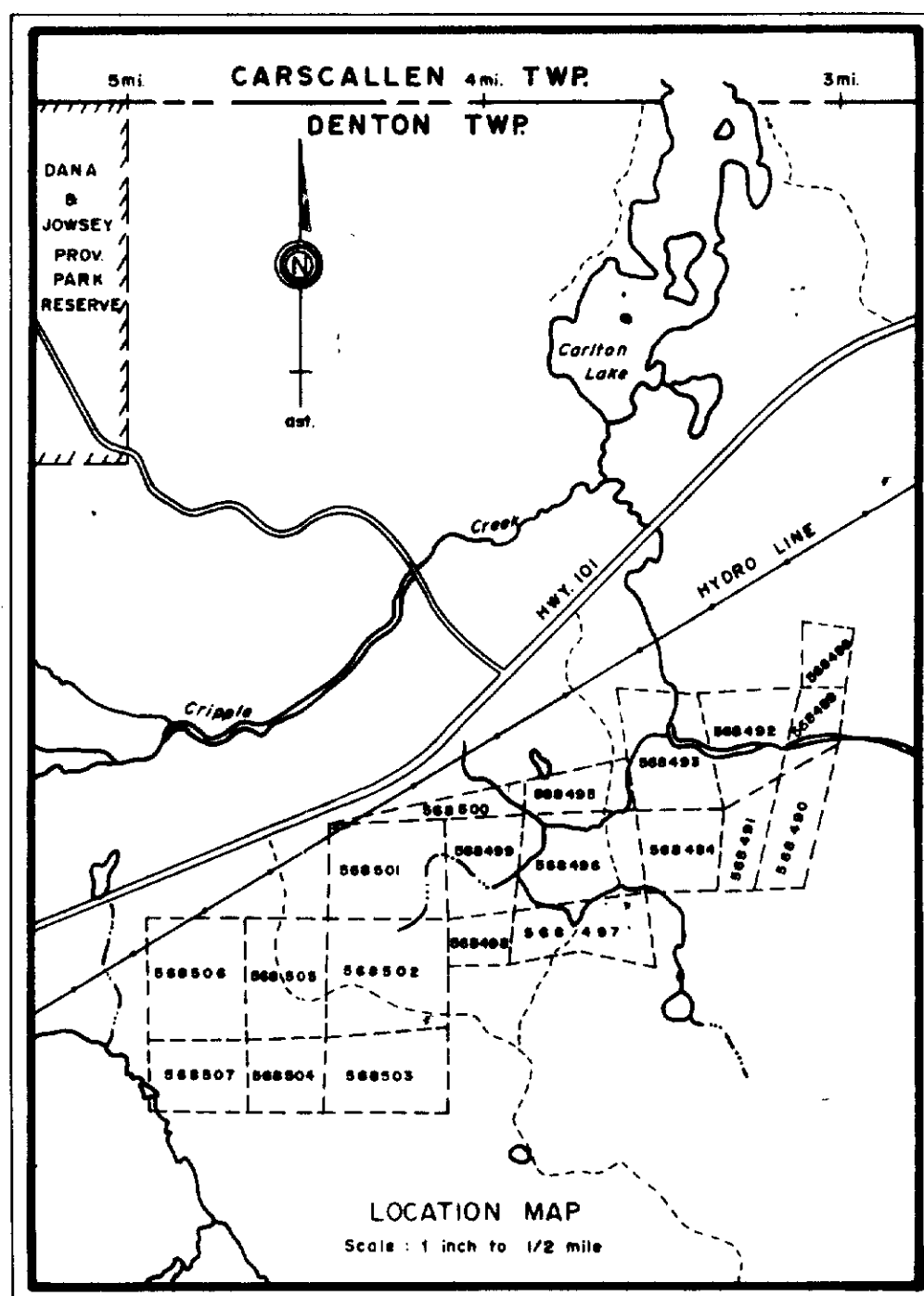
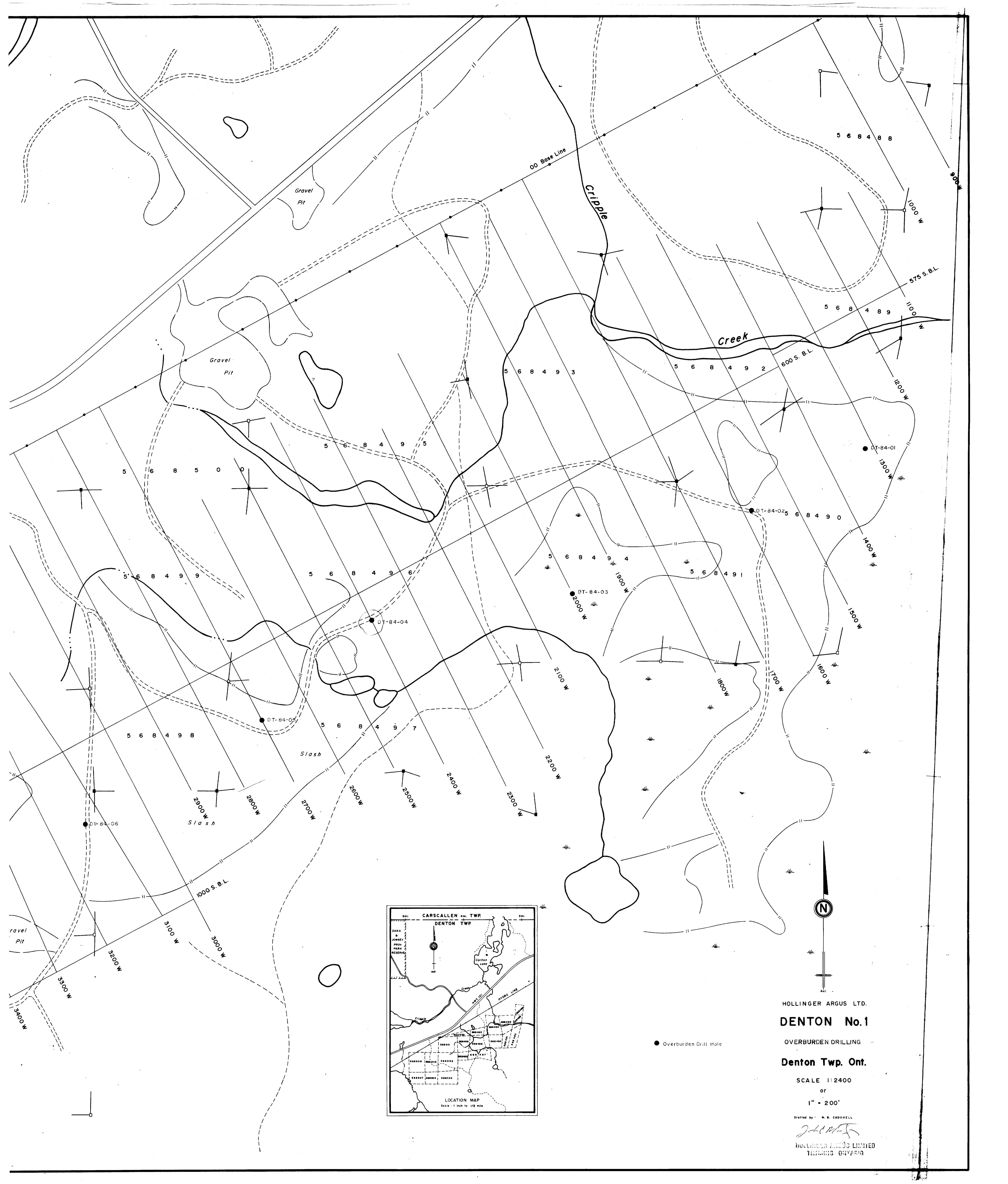
MCKEOWN TWP.
M. 299



42A055E0140 2.7552 DENTON

2.1257





HOLLINGER ARGUS LTD.

DENTON No.1

OVERBURDEN DRILLING

Denton Twp. Ont.

SCALE 1" = 2400

OR

1" = 200'

Drafted by: W. B. CAUGHELL

HOLLINGER ARGUS LIMITED
TIMBERHURST, ONTARIO

● Overburden Dr. H. Hole