Previous work G.J. 1965
- Magnetometer survey in 1965 / different Instrument /
covering Mining Claims P 381618 to 21
inclusive

KERR ADDISON MINES LIMITED
MOUNTJOY PROJECT "O - 11"
ASSESSMENT WORK REPORT.

2.1689

010

Introduction

W. A. Jones, former chief geologist of Hollinger Consolidated Gold Mines Limited in a report dated October 1973, recommended a program of exploration to cover this part of Mountjoy Township where geologic conditions appeared to be similar to those known in the Timmins gold area, the center of interest being the small rock exposures in the north west corner of claim 381611, which comprises the northeast quarter, south half lot 8, Concession IV, Mountjoy Township and the rock exposures extending northward for 700 feet into the north half of lot 8.

The project area covers the north halves of lots 5 to 8 inclusive, the north quarter of lot 10, Concession III, lots 5 to 10 inclusive, the south half of the north half of lot 11, Concession IV, the south quarter of lot 5, lots 6 to 8 inclusive, and part of lot 10, Concession V, and part of lot 7, Concession VI, the whole area covering approximately 3500 acres, out of which 3000 acres were optioned from farmers and land holders owning both mineral and surface rights and 560 acres of mineral rights acquired through staking, and bearing the following numbers:

381610 to 381613 inclusive, South Half, Lot 8, Concession IV

381614 to 381617 inclusive, South Half, Lot 8, Concession V

381618 to 381621 inclusive, South Half, Lot 6, Concession V

381622 and 381623, South Half of South Half, Lot 5, Concession V

All the project area was covered with basal till geochem sampling, more or less, the south half of the project area was covered with line cutting

DECEMBER 1974

G.J. HINGE

and detailed magnetic surveying, followed by 13 diamond drill holes.

The results to-date are negative and no further work is recommended.

Location and Access

The center of the project area is 6 to 7 miles northwest of the City of Timmins. The project area is locally farmed and is easily accessible through well kept roads running north from highway 101, and the Sandy Falls road which transgresses the project area in an east-west direction.

Previous Work

In the early 1930's Mineral Estates made geophysical surveys in Mountjoy Township and completed four short drill holes in the north half of the northeast quarter, south half lot 8, Concession IV. Carbonatized lava, slaty greywacke and quartz feldspar porphyry were intersected. In 1964 Hollinger Mines staked the mineral rights of the south half lot 8, Concession IV, the surface rights being patented. Two holes, totalling about 800 feet were drilled and four year's work were recorded. Slaty greywacke and grey quartz feldspar porphyry were intersected with some quartz stringers and small amounts of pyrite in places but no gold values were obtained.

The claims were re-staked in December, 1972, by Claude Lamothe of Val d'Or, Quebec but an abstract of ownership has not been obtained. It is probable that the ground was transferred to a company.

Regional Geology

With the exception of the northwest corner and part of the east boundary, Mountjoy Township consists of flat farm land through which the Mattagami River meanders in a great easterly bow.

Northeasterly trending pillow lava and uniform textured andesite outcrop in the northwest corner of the township. From the southwest corner a zone of volcanic rocks trends east to northeasterly across the south and southeast quarter of the township. These lavas are bounded on the south and southeast by an extensive sedimentary trough. Between the two areas of volcanic rocks there are a few widely spaced outcrops of slate and greywacke which strike northeasterly and dip steeply to the northwest or southeast. At least three small bodies of quartz feldspar porphyry can be seen intruding greywacke at Sandy Falls on the Mattagami River. The schistosity in the outcrops of carbonated greywacke in lot 8, Concession IV, also strikes northeasterly. The general regional trend therefore suggests a possible zone of carbonated rocks striking northeasterly through the central part of the township and bounded on the northwest and southeast by extensive areas of slate and greywacke.

The Mattagami River fault strikes in a northerly direction a short distance west of the west boundary of the township. Thus the massive andesite in the southeast part of Godfrey Township cannot be correlated with the possible zone of volcanics in Mountjoy Township.

Local Geology

The main area of outcrop has a north-south length of about 550 feet across a width of about 150 feet. Most of the exposures are in the northwest corner of claim 381611 (northeast quarter of south half lot 8, Concession IV) but they extend for about 180 feet north of the claim boundary into the north half of lot 8, Concession IV. Two other small areas of outcrop occur in the north half of lot 8 at 400 feet and 700 feet north of the boundary of claim

381611. A third outcrop is located about 150 feet north of the latter claim and 250 feet east of the north end of the largest area of exposure. A small area of slightly schistose grey quartz feldspar porphyry lies about 50 feet east of the main outcrop of carbonated greywacke on claim 381611. This rock exhibits 1/8" grains of white feldspar and small oxidized pits derived from weathered carbonate grains. Quartz is not conspicuous on the surface. All other exposures mentioned consist of uniform textured medium grained carbonated greywacke. A northeasterly trending schistosity was noted in a few localities.

The most intense ankeritization was seen on the greywacke outcrop in the north half of lot 8, about 700 feet north of the boundary of claim 381611 but no significant amount of quartz stringers or pyrite mineralization was evident. A few irregular quartz stringers containing small amounts of pyrite were observed in greywacke in the northwest corner of claim 381611 but grab samples did not yield any gold values.

A small outcrop of rusty weathering green carbonate and irregular quartz stringers located a short distance south of the north boundary of lot 8, Concession IV showed no sign of work. Although only a few square feet were exposed the material resembled the zones which occur along contacts between lavas and sediments or along fault zones in volcanic rocks. Thus it seems possible that the width of the carbonated greywacke horizon in lot 8, Concession IV, might be double the 1000 foot width which is indicated by the outcrops in the vicinity of the northwest corner of claim 381611. A small grab sample from the green carbonate outcrop did not contain any gold.

In the early 1930's Mineral Estates drilled four short exploratory holes which cut porphyry and sediments under and adjacent to the outcrops in

the northwest corner of claim 381611. Hole 1 cut a short section of pyritized greywacke which gave assays of .02, .06 and .08 oz. of gold per ton. Hole 4 gave assays of .02 and .04 oz. of gold per ton in short sections of slaty greywacke. Holes 2 and 3 did not yield any gold values.

In 1965 Hollinger Mines drilled two holes, totalling about 800 feet, on claim 381611. Hole MJ 1 was collared on an carbonated greywacke outcrop only 160 feet southeast of the number 4 post. After 40 feet of casing, the hole was in greywacke to a depth of 210 feet after which porphyry extended to a depth of 420 feet. Hole MJ 2 with a length of 410 feet, was collared in 40 feet of overburden 650 feet southeast of the first hole. Porphyry and greywacke were intersected. Although some quartz stringers containing small amounts of pyrite were intersected in both holes no gold values were obtained.

Glacial Stratigraphy

The bedrock topography appears to have affected in the project area, the distribution of various till layers. Two troughs are found, the first one in lots 6 to 8 and the second in lots 10 and 11 separated by a hill, with the top located in lot 8, Concession IV. In the west trough, lots 10 and 11, the glacial stratigraphy consists of a clay layer, gravel and clay, gravel, sometimes preceeded or followed by a sand layer, followed by a layer of gravel immediately above bedrock. In this area, a few holes intersected immediately above bedrock, a semi-consolidated layer of rusty gravel, commonly called hardpan, consisting of an oxidized zone of decomposed bedrock mixed with gravel that could be the result of preglacial weathering.

Over the hill area, lots 8 and 9, the stratigraphy consists of mostly clay followed by a thin layer of gravel, in places mixed with clay, found above bedrock. The same stratigraphy is found to extend east of this

hill in lot 7 with the exception of lot 8 near the north boundary of the project area where thick sand units were intersected.

In the southeast corner of the project area, several holes intersected several units of gravel, clay and gravel, clay, and minor sand, and in the two most southeasterly holes, these units preceeded a 10 - 15 foot thick clay layer before a thin gravel unit above bedrock. It is not known if the near surface clay units in this area would belong to the clayey Cochrane till.

Aquifers are numerous in the project area, and the one intersected in hole IV-8-2, had a positive water pressure of 12 feet above surface.

Work Done

a) Basal Till Sampling, 87 holes at ¼ mile center, 6041.0 feet

b) Line Cutting, 102.0 miles

c) Detailed Magnetic Surveying, 92.5 miles

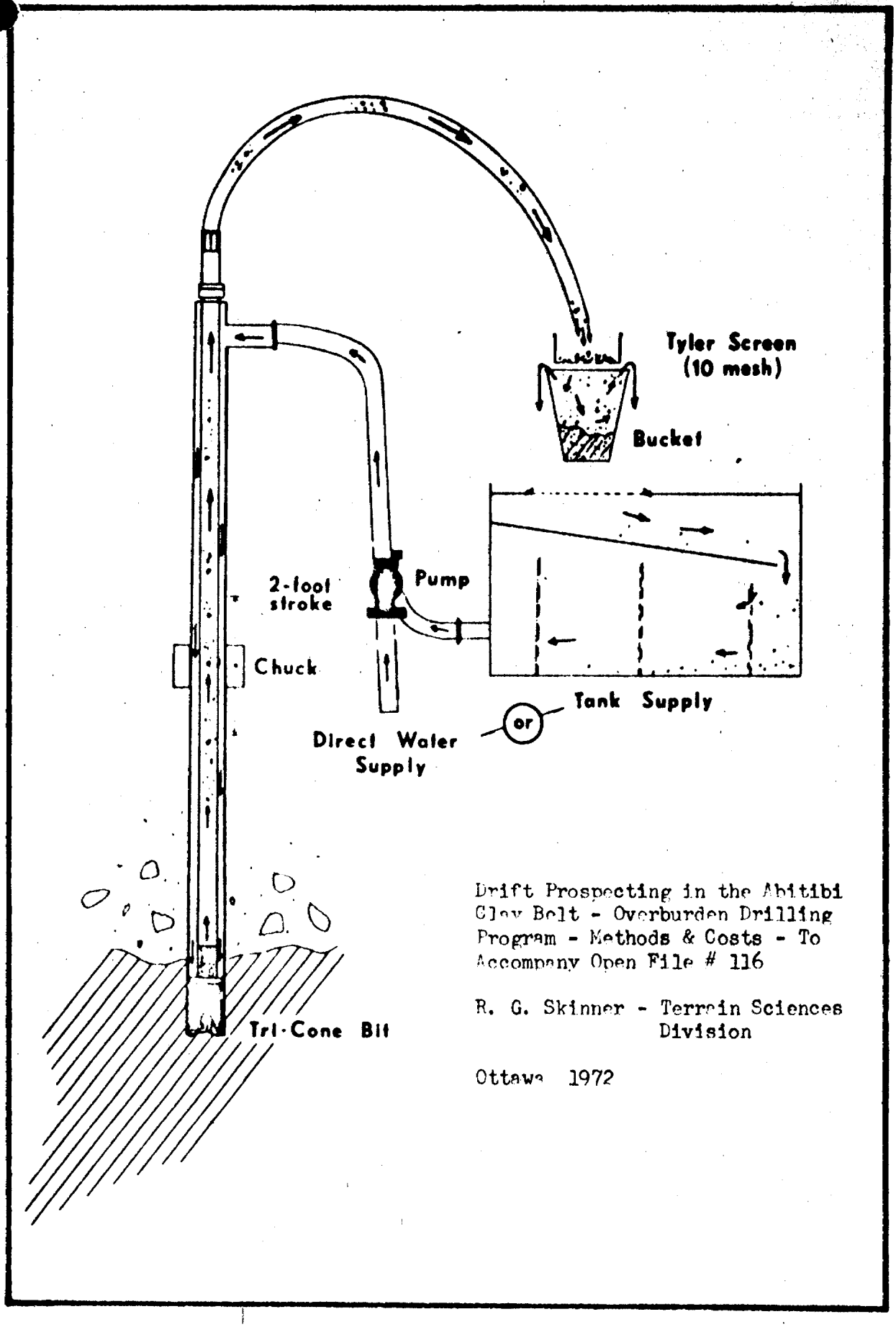
d) Diamond Drilling, 7173.0 feet

a) Basal Till Sampling

The project area was covered with basal till sampling with holes at every ¼ mile center. The method used is similar to the one pioneered by the Geological Survey of Canada and described by Skinner (1972).

One dual tube, reverse circulation, tri-cone-fitted rotary drill, mounted on a flexible track-equipped Nodwell, supplied under contract by Bradley Brothers, was used to sample the glacial deposits as well as bedrock in the project area. Approximately 193 samples were collected and processed.

A simplified illustration of the dual tube system is shown in Figure 1. Water is pumped down between the outer and inner tubes and exits



Drift Prospecting in the Abitibi Clay Belt - Overburden Drilling Program - Methods & Costs - To Accompany Open File # 116

R. G. Skinner - Terrain Sciences Division

Ottawa 1972

Figure 1 Simplified version of Dual Tube Drilling System.

near the cones on the bit. If the contact is tight between the outer tube and the hole wall, and if the sediment being drilled is not porus, the water and dislodged material can only escape up the center tube. This water and sediment mixture is delivered through a hose to the sampling station on the drill platform. When drilling cohesive units such as clayey or silty till or clay, chunks of sediment are returned intact after having been washed up the tube. These chunks are caught on a 20-mesh sieve placed over a bucket which catches anything finer than 20-mesh although some very fine sediment is carried off in suspension when the bucket overflows. In this manner both chunk and bucket splits are retained for a sample interval.

Samples were taken at four-foot intervals. This was a convenient interval because the drill's chuck-stroke is two feet. After every two two-foot advance of the drill, buckets were changed and samples taken. In general, where the texture changed, the buckets were changed, regardless of sampling interval.

Each hole went into bedrock at least two feet or until it was certain that bedrock was being drilled. Samples of bedrock were also treated as described above. Only the samples splits of the two samples above bedrock and the bedrock splits were retained. Usually only the fine split of the samples, (-20 mesh) were sent for analysis.

The assay work was done by Bondar-Clegg & Company Limited, of Ottawa. The fine splits of the basal till and of the bedrock samples were treated as follows:

Basal Till Samples

Procedure

1. Sample to be dried.
2. If over 2 lbs., sample will be split.

3. 2 lb. split (or total) to be sieved to separate -10 + 80 mesh fraction.

4. This fraction to be subjected to heavy liquid separation using acetylene tetrabromide (specific gravity 2.96 - requested by Dr. Gleeson).

5. Heavy fraction to be split; small portion to Dr. Gleeson for mineral identification.

6. Major portion of heavy fraction to be pulverized to -100 mesh and 7. analysed for copper, zinc, arsenic & gold by colorimetric atomic absorption method after hot HNO_3-HCl extraction for copper, zinc and gold; and hot HNO_3-$HClO_4$ extraction for arsenic.

NOTE - If insufficient heavy fraction is obtained from 2 lb. split, a further split will be processed.

Rock Samples

Procedure

1. Sample to be crushed if necessary.

2. Sample to be split to about 1 lb.

3. This split to be pulverized to -100 mesh.

4. Analysis for copper, zinc, arsenic and gold by same process as above.

The results are shown on the maps at 1" = ¼ mile enclosed with this report.

The results show threshold values, of 30, 120, 250 p.p.m. and 30 p.p.b. respectively for arsenic, copper, zinc and gold in basal till and 10, 50, 100 p.p.m. and 10 p.p.b. in bedrock, which were used to determine anomalous levels. The values established as background in this basal till survey are high as all samples were subjected to heavy media separation before being analysed. This procedure improves the contrast between background and anomalous levels.

The low gold values obtained in basal till and bedrock over the project area are intriguing and it is suspected that the heavy media separation using acetylene tetrabromide could have diluted the sample as it has been

demonstrated that under certain conditions gold is mobile as gold halides.

The gold distribution in basal till and bedrock exhibits a weakly coincident anomaly, "A", which follows more or less the Sandy Falls road. The anomaly appears to have a weak center which coincides approximately with the hill mentioned above. Values seem to have migrated away from the hill and accumulated in the deeper basins of the bedrock surface. Away from the hill, the pattern of the anomaly reflects the bedrock topography. The anomaly has a weakly coincident arsenic and copper response in basal till and bedrock which appears to be closer to the source. Zinc is not coincident. The high gold value in the bedrock of hole 3-6-8 is associated with pyrite, chalcopyrite and quartz-carbonate identified in the rock chips.

The arsenic distribution in basal till, besides the above mentioned weak association with gold, has a close association with the zinc and copper distribution pattern in basal till and bedrock. The anomaly found near the southeast boundary of the project area, anomaly "C", lies on a western gently sloping bedrock hill. The high values in basal till in hole IV-7-2 are found in a topographic basin as is the case of the anomaly "D", in hole IV-10-8. Arsenic values obtained in bedrock are relatively low with an average value of less than 20 p.p.m. These values are consistent with previously established background in other areas and are not considered anomalous.

The copper distribution in basal till, besides the above mentioned association, shows a warped anomaly, "B", opened to the north with a weak association with copper in bedrock. This anomaly has coincident anomalous arsenic and zinc values in basal till and copper values in bedrock along the east limb of the anomaly. There is no definite bedrock topographic pattern associated with the anomaly.

Strength of Association

Anomaly	"A"	"B"	"C"	"D"
Basal Till				
Au	Good	Weak?	Good	None
As	Medium	Medium	Good	Medium
Cu	Weak, W. Side	Good	Good	Good
Zn	None	Good	Good	Good
Bedrock				
Au	Weak	Weak?	Weak	?
As	Weak	None	None	None
Cu	Medium	Weak	Weak?	None
Zn	Weak	Weak?	Good	None

The rock chips, i.e., the coarse split, were identified under power binoculars by the writer and field assistants and the fine splits were subjected to an amphibole, pyroxene, garnet, epidote, magnetite, biotite, carbonate, zircon and pyrite count under microscope by Dr. C. F. Gleeson, of Ottawa, who acted as consultant on all phases of the program.

From the geologic information available, a tentative geological map was drafted and it is apparent from the diamond drill results that most of the samples identified as volcanic rocks were in reality altered sedimentary rocks.

b) Line Cutting

East-west base lines were established at every ½ mile. North-south striking lines were turned off at 90° to the base lines and cut using a compass and chained with the footage marked on red flagging. Total mileage cut involves 102.0 miles.

c) Magnetic Surveying

The line grid was covered using an Askania Gfz torsion magnetometer,

measuring the vertical component of the earth's magnetic field. Sensitivity is one scale division, or approximately 2 gammas.

Readings were taken at every 100 feet along the lines in background areas and every 50 feet over anomalous areas.

The results are shown on the maps at 1" = 200 feet attached to this report.

The survey has outlined numerous north-south striking diabase dikes and due to their interference, it was not possible as planned, to outline any other geological contacts.

d) Diamond Drilling

Thirteen diamond drill holes were drilled to test the geochem anomalies outlined by the basal till survey.

Hole No.	Location	Dip	Strike	Length
1	0 - 70E 2900N N½, lot 8, IV	-50°	S 27° E	600.0'
3	500E 2050N S½, lot 8, IV	-50°	S 27° E	600.0'
4	680E 1680N S½, lot 8, IV	-50°	S 27° E	600.0'
5	3300E 1650N S½, lot 7, IV	-50°	S 27° E	600.0'
6	3500E 1250N S½, lot 7, IV	-50°	S 27° E	600.0'
7	3720E 850N S½, lot 7, IV	-50°	S 27° E	600.0'
8	3100E 2050N S½, lot 7, IV	-50°	S 27° E	600.0'
9	1900E 4000N N½, lot 8, IV	-50°	S 27° E	497.0'
10	1670E 4440N N½, lot 8, IV	-50°	S 27° E	600.0'

Hole No.	Location	Dip	Strike	Length
11	5800E 7450N $S\frac{1}{2}$, lot 6, V	-50°	S 27° E	107.0'
12	5620E 7800N $S\frac{1}{2}$, lot 6, V	-50°	S 27° E	569.0'
13	6900E 1800N $S\frac{1}{2}$, lot 6, IV	-50°	S 27° E	600.0'
14	7070E 1390N $S\frac{1}{2}$, lot 6, IV	-50°	S 27° E	600.0'
			Total	7173.0'

Holes 1 and 3 to 8 were drilled in the south halves of lots 7 and 8, Concession IV, to test anomaly "A".

Holes 9 and 10, drilled in the north half of lot 8, Concession IV, were aimed at testing an inferred contact between the surface outcrops mapped as carbonated volcanic rocks and sedimentary rocks.

Holes 11 and 12, located in the south half of lot 6, Concession V, tested the east limb of anomaly "B".

Holes 13 and 14, drilled in the south half of lot 6, Concession IV, tested the high zinc values associated with anomaly "C".

All assay results were negative. The most promising section in hole no. 7, from 370.7 to 390.0 was quartered and check assayed. The results were extremely high and the source suspected to be extraneous. A careful check of the pulps revealed that quartz and a fluorescent mineral, probably scheelite, together with free gold, had been added to the sample. A check of the remaining core in the box showed under an ultraviolet light that foreign minerals had been added to the core at the bottom of the core tray and pasted also on the core with white glue. Subsequently, selected uncontaminated pieces of core were analysed and failed to return any values.

Conclusions

The magnetic survey outlined several diabase dikes but it failed to outline any significant geological contacts due to too much interference from the numerous highly magnetic dikes.

The basal till geochemical survey approach in such an area of heavy clay overburden was successful and it appears that the major gold anomaly could be attributed to the weakly pyritized gold bearing zone intersected in Mineral Estate's hole number 1.

The outcrops found near the center of lot 8, Concession IV, previously mapped as carbonated volcanic rocks and also the volcanic rocks described in Mineral Estate's hole numbers 1 and 3 are probably carbonated sedimentary rocks.

The degree of metamorphism found in the area and particularily in the porphyries is not of a high grade type as found in the Pearl Lake porphyry or other gold associated porphyries.

The lack of a volcanic horizon in the project area would suggest that the down faulted movement along the west side of the Mattagami River fault was of a great vertical extent and that a repeat of a geologic environment similar to the Timmins gold area would be found at a much greater depth than presently exposed on surface.

G. J. Hinse
Resident Geologist

December 1974

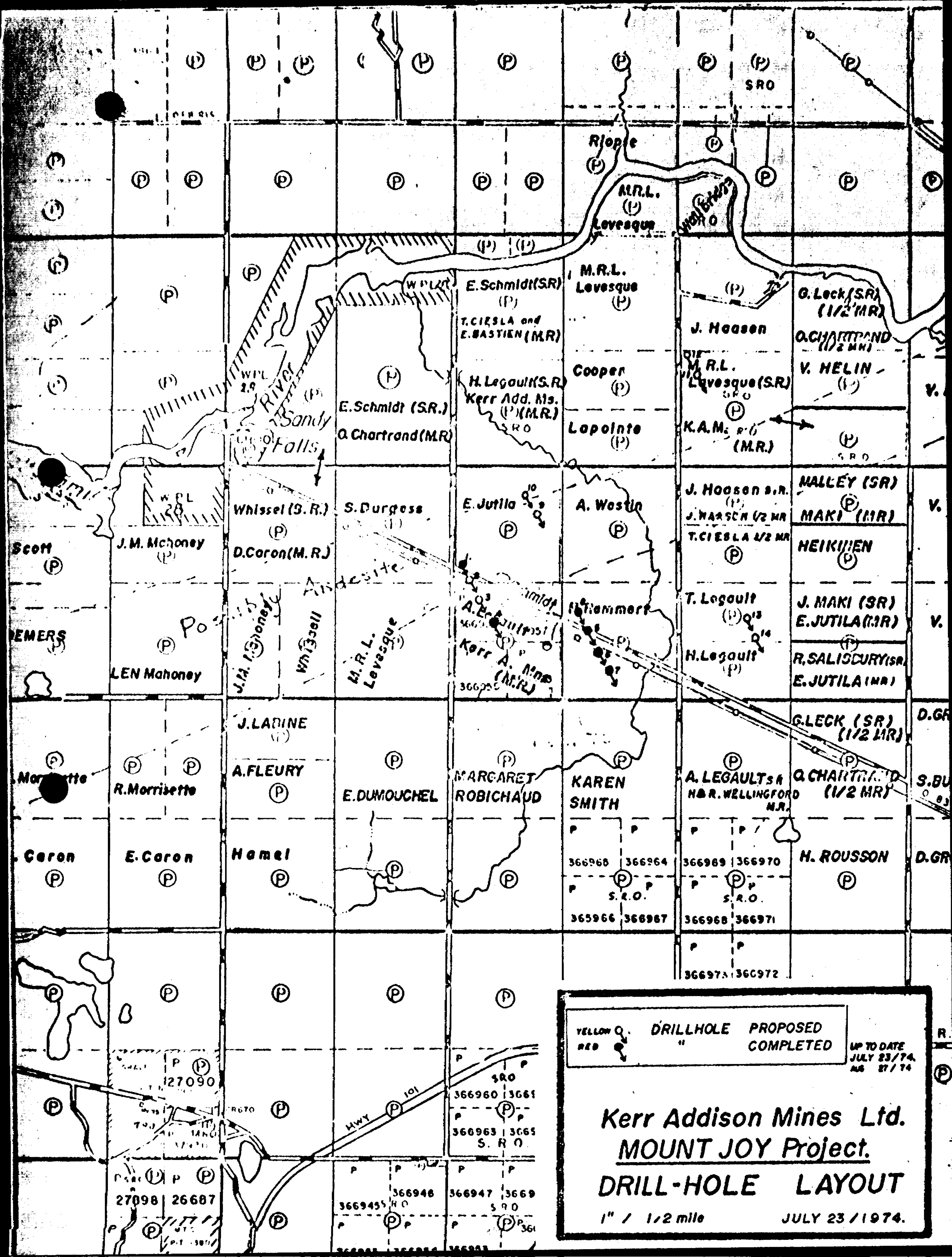
* Qualifications 2.1402

References: Jones, W.., 1974
Exploration Proposal Lots 5 - 9, Concessions IV & V, Mountjoy Township, Porcupine Mining Division, Ontario (Private Report)

References: (continued)

Skimmer, R.G., 1972
Drift Prospecting in the Abitibi Clay Belt, Overburden Drilling Program, Methods and Costs, Geological Survey of Canada, Open File No. 116

Ferguson, S.A., Hurst, M.E., 1957
Mountjoy Township Compilation Map, Ontario Department of Mines, Preliminary Map P. 22


SRO
Riopie
M.R.L.
Levesque
E. Schmidt (S.R)
T. CIESLA and
E. BASTIEN (M.R)
M.R.L.
Levesque
J. Haasen
G. Leck (S.R)
(1/2 MR)
V. HELIN
Cooper
M.R.L.
Levesque (S.R)
H. Legault (S.R)
Kerr Add. Ms.
(M.R.)
E. Schmidt (S.R.)
O. Chartrand (M.R)
Lapointe
K.A.M.
(M.R.)
River
Sandy
Falls
W.P.L.
Whissel (S.R.)
D. Caron (M.R.)
S. Burgess
E. Jutila
A. Westin
J. Haasen
T. CIESLA 1/2 MR
MALLEY (SR)
MAKI (MR)
HEIKINEN
Scott
J. M. Mahoney
Andesite
A. Legault
Kerr A. Mns
(M.R.)
T. Legault
H. Legault
J. MAKI (SR)
E. JUTILA (MR)
R. SALISBURY (SR)
E. JUTILA (MR)
DEMERS
LEN Mahoney
M.R.L.
Levesque
J. LADINE
G. LECK (SR)
(1/2 MR)
Morrisette
R. Morrisette
A. FLEURY
E. DUMOUCHEL
MARGARET
ROBICHAUD
KAREN
SMITH
A. LEGAULT S.R
H & R. WELLINGFORD
M.R.
O. CHARTRAND
(1/2 MR)
Caron
E. Caron
Hamel
366968
366964
366969
366970
S.R.O.
365966
366967
366968
366971
H. ROUSSON
366973
366972
27090
HWY 101
366960
366963
S.R.O.
27098
26687
366946
366947
SRO
YELLOW
RED
DRILLHOLE PROPOSED
" COMPLETED
UP TO DATE
JULY 23/74.
AUG 27/74
Kerr Addison Mines Ltd.
MOUNT JOY Project.
DRILL-HOLE LAYOUT
1" / 1/2 mile
JULY 23/1974.

KERR ADDISON MINES LIMITED

BASAL TILL DRILLING AND GEOCHEM

TOTAL EXPENDITURES

Overburden Drilling - Bradley Bros. Ltd.		$24,817.27
Assaying - Bondar-Clegg and Assayers Ltd.		$ 1,920.00
Room and Board		$ 847.38
Wages - Drill Supervision & Sampler		
P. Jeansonne	38 days @ $35.00/day	$ 1,330.00
M. Plante	43 days @ $35.00/day	$ 1,505.00
T. Jones	6 days @ $45.00/day	$ 270.00
Office Work		
S. Wichtacz	15 days @ $35.00/day	$ 525.00
Geologist		
G. Hinse	8 days @ $100.00/day	$ 800.00
Other Expenses - Gasoline, oil, sampling equipment, shipping of samples, repairs to land owners fences, etc.		$ 359.98
		$32,374.63

Total footage drilled: 6,041.0 feet

Cost per foot drilled: $5.36

KERR ADDISON MINES LIMITED

DIAMOND DRILLING

TOTAL EXPENDITURES

Diamond Drilling - Bradley Bros. Ltd.	$53,383.90
Room and Board	$ 759.72
Assaying - 367 core & sludge samples @ $1.00 (assayed at Kerr Addison Mines lab)	$ 367.00
Diamond Drill - Core Grabber P. Jeansonne - 78 days @ $35.00/day	$ 2,730.00
Supervision, Office Work G. Hinse - 8 days @ $100.00/day	$ 800.00
Other Expenses - Gasoline, oil, shipping, telephone, sample bags, core trays	$ 873.85
	$58,914.47

KERR ADDISON MINES LIMITED

MAGNETIC SURVEY

TOTAL EXPENDITURES

Wages - Line Cutting	
Phil Blaze Reg'd.	$ 1,202.50
B. Maciej - 82 days @ $40.00/day	$ 3,280.00
M. Plante - 9 days @ $35.00/day	$ 315.00
T. Jones - 10 days @ $45.00/day	$ 450.00
P. Leduc - 50 days @ $30.00/day	$ 1,500.00
J. Wing - 17 days @ $30.00/day	$ 510.00
Wages - Magnetic Survey	
T. Jones - 38 days @ $45.00/day	$ 1,710.00
P. Jeansonne - 31 days @ $35.00/day	$ 1,085.00
B. Maciej - 5 days @ $40.00/day	$ 200.00
Wages - Office Work - Supervision	
G. Hinse - 8 days @ $100.00/day	$ 800.00
S. Wichtecz - 4 days @ $35.00/day	$ 140.00
Room and Board	$ 2,357.08
Other Expenses - Gasoline, oil, hydro, shipping, vehicle rental, telephone, repairs to magnetometer, vehicle and skidoo maintenance, tape for chaining lines, flagging tape, pickets, etc.	$ 1,731.29
	$15,280.87

MOUNTJOY TOWNSHIP PROJECT

"O - 11"

Chip Sample Log

3-6-1	Sediments, highly altered, almost a biotite schist, quartz grains, carbonated, pyrite.
3-6-2	Sediments, highly altered, biotite rich, very fine grained, carbonated.
3-6-7	As above, finer grained.
3-6-8	As above, not as much biotite, lots of quartz-carbonate, pyrite, chalcopyrite.
3-7-1	Basic volcanic, carbonated, pyrite, fine grained volcanic texture.
3-7-2	Sediments, more carbonated than 6-1 to 6-4, very fine grained, no sulphides.
3-7-7	Sediments, carbonated, sugary texture, iron stained, specks of tourmaline? associated with sulphides.
3-7-8	Quartz-diabase, magnetic, pyrite.
3-8-1	Sediments, carbonated, little quartz, biotite, sugary, very fine grained pyrite.
3-8-2	Porphyry, quartz eyes, 5% biotite, pyrite, not carbonated, 30% quartz, slightly sheared?
3-8-7	Sediments, carbonated, fractured.
3-8-8	Sediments, granular, pyrite, quartz grains, carbonated.
3-9-1	Sediments, grey-green, slightly carbonated.
3-9-2	Sediments, black, slaty.
3-9-7	Sediments, slightly carbonated, lots of granular quartz, iron stains.
3-9-8	Sediments, slightly carbonated, pyrite, black-green.
3-10-1	Sediments, granular, carbonated, biotite, magnetic grains?
3-10-8	Sediments, granular, much quartz, pyrite, carbonated, well bedded, biotite.
4-6-1	Sediments, granular, carbonated, pyrite, quartz eyes.
4-6-2	Sediments, granular, loose quartz grains.

4-6-3 Porphyry, siliceous chips looks like volcanic, little carbonate.

4-6-4 Sediments, lots of quartz, bedded, pyrite.

4-6-5 Sediments, granular.

4-6-6 Sediments or volcanics, not carbonated, some rusty quartz, very fine grained.

4-6-7 Sediments, carbonated, pyrite, more than usual, grains of quartz.

4-6-8 Tuff or gneiss, as 3-6-1, not carbonated, lots of rusty spots or maybe alteration halo.

4-7-1 Volcanic? carbonated due to clay?

4-7-2 Silicified sediments or volcanics, pyrite.

4-7-3 Silicified sediments or volcanics, carbonated.

4-7-4 Sediments or volcanics, carbonated, tourmaline in quartz?

4-7-5 Sediments, carbonated.

4-7-6 Volcanics, carbonated.

4-7-7 Volcanics, carbonated.

4-7-8 Porphyry, quartz eyes, carbonated.

4-8-1 Porphyry, pyrite, carbonated.

4-8-2 Sediments and volcanic chips, lots of quartz.

4-8-3 Volcanics, tuffaceous.

4-8-4 Porphyry.

4-8-5 Carbonated sediments.

4-8-6 Carbonated sediments.

4-8-7 Basic volcanics.

4-8-8 Silicified volcanics, pyrite, weak carbonate.

4-9-1 Volcanics, slightly carbonated, pyrite.

4-9-2 Volcanics, weak carbonate, pieces of quartz.

4-9-3 Volcanics, carbonated, pyrite.

4-9-4	Volcanics, weak carbonate.
4-9-5	Sediments, weak carbonate.
4-9-6	Porphyry, pyrite, carbonated.
4-9-7	Porphyry, pyrite, medium carbonate, more biotite than above, slightly sheared.
4-9-8	Silicified volcanic or sheared porphyry, carbonated, lots of pyrite.
4-10-1	Cherty, very fine grained, with stringers of pyrite, weak carbonate.
4-10-2	Silicified volcanics, slightly sheared, carbonated.
4-10-3	Volcanics, very fine grained.
4-10-4	Sediments, weak carbonate.
4-10-5	Volcanics.
4-10-6	Sediments, carbonated.
4-10-7	Silicified volcanics, garnet?
4-10-8	Sediments, sheared, carbonated.
4-11-2	Silicified volcanics, weak carbonate, pyrite.
4-11-7	Sheared volcanics or sediments, carbonated.
5-6-2	Slaty sediments, slightly carbonated, black.
5-6-3	Sediments, slightly carbonated, pyrite, greenish.
5-6-4	Sediments, highly carbonated, almost 50%.
5-6-5	Sediments, oxidized, slightly rusty, not carbonated, greenish.
5-6-6	As 5-6-3, slightly carbonated, quartz eyes, pyrite.
5-6-7	Sediments, chloritized, black, not carbonated.
5-6-8	Sediments, black slaty, not carbonated.
5-7-1	Sediments, slightly carbonated, pyrite, greenish.
5-7-2	Sediments, black slaty, slightly carbonated.
5-7-3	Sediments, not carbonated, grey.

5-7-4	Sediments, slaty black, some quartz, slightly carbonated.
5-7-5	Porphyry, pyrite.
5-7-6	Porphyry, quartz, slightly carbonated, pyrite.
5-7-7	Sediments, slaty black, not carbonated.
5-7-8	Porphyry, highly carbonated, quartz eyes.
5-8-1	Sediments, non-carbonated, dark grey.
5-8-2	Sediments, slightly carbonated, granular.
5-8-3	Sediments, slaty black, non-carbonated.
5-8-4	Sediments, slaty black, non-carbonated.
5-8-5	Porphyry, highly carbonated.
5-8-6	Sediments, slaty black.
5-8-7	Sediments, non-carbonated.
5-8-8	Sediments, granular, slightly carbonated.
5-10-3	Sediments, carbonated.
5-10-4	Sediments, carbonated.
5-10-5	Sediments, non-carbonated.
6-7-4	Sediments, quartz eyes, pyrite, slightly carbonated.

To Guy Hinse

CHIP SAMPLE LOG

March 25, 1974

MOUNTJOY TOWNSHIP PROJECT
(O-11)

3- 6-1	Graywacke, slightly sericitic, trace pyrite, some quartz.
3- 6-2	Graywacke, greenish color.
3- 6-7	Graywacke (?), slightly sericitic.
3- 6-8	Graywacke (?), slightly sericitic. Some quartz veining, trace pyrite, Cpy.
3- 7-1	Andesite, dark green, slightly schistose.
3- 7-2	Graywacke, light gray, slightly sericitic.
3- 7-7	Diabase. Mid grained amphibole, dark. Pyrite 2-3%. Magnetic.
3- 7-8	Graywacke, light gray, faint sericite.
3- 8-1	Graywacke (?). Much quartz. Fine sample, difficult to identify.
3- 8-2	Porphyry. Very white, sericitic.
3- 8-7	Graywacke. Greenish color, bit of carbonate.
3- 8-8	Possible Dacite - quartz eyes. Slightly sericitic.
3-10-1	Dacite (?). A few quartz eyes. Slightly sericitic.
3-10-8	Graywacke. Light gray color. Much quartz., some pyrite.
4- 6-1	Graywacke. Some sericite, pyrite.
4- 6-2	Graywacke (?), chloritic with much quartz. Very fine sample.
4- 6-3	Graywacke. Gray, siliceous.
4- 6-4	Graywacke, much quartz. Fine sample.
4- 6-5	Graywacke, considerable quartz.
4- 6-6	Graywacke, sericitic. Bit of rusty quartz.
4- 6-7	Graywacke, note grains of pyrite.
4- 6-8	Andesite, sheared, carbonated.
4- 7-1	Cherty gray rock, possible porphyry.
4- 7-2	Probably porphyry. Sheared. Note red flecks.
4- 7-3	Cherty gray rock. Bit of Po, trace Py. sheared.
4- 7-4	Cherty gray rock.
4- 7-5	Graywacke, sheared, gray color.
4- 7-6	Graywacke, gray color.
4- 7-7	Porphyry - cherty gray rock, mineralized with Po, Py.
4- 7-8	Porphyry, gray, cherty. Some Po, much quartz.
4- 8-1	Porphyry. Carbonate, sheared, highly siliceous. Possible Aspy, Au.
4- 8-2	Probably porphyry. Cherty gray rock. Quartz 50%.
4- 8-3	Andesite. Green color, sheared, some quartz.
4- 8-4	Porphyry, sheared, silicified. Sericitic with carbonate, trace pyrite.
4- 8-5	Graywacke, sericitic. Note - fine sample.
4- 8-6	Andesite, silicified & chloritic. Sheared, trace pyrite.
4- 8-7	Andesite. Some pyrite.
4- 8-8	Porphyry. Silicified. Traces of pyrite and red granular mineral.
4- 9-1	Dacite or silicified andesite.
4- 9-2	Dacite or silicified andesite. Quartz and traces of pyrite.
4- 9-3	Sericitized porphyry or dacite. Soft rock with some Po, Py.
4- 9-4	Dacite (?). Green gray rock. Fine sample, Trace of pyrite.
4- 9-5	Graywacke. Gray with fine sericite.
4- 9-6	Porphyry. Siliceous, light gray in color.

CHIP SAMPLE LOG

March 25, 1974

MOUNTJOY TOWNSHIP PROJECT (O-11)

4- 9-7	Porphyry. Sheared, slightly sericitic. Traces pyrite.
4- 9-8	Graywacke. Silicified.
4-10-1	Graywacke. Silicified, trace Po.
4-10-2	Probable graywacke, very siliceous.
4-10-3	Andesite.
4-10-4	Dacite. Quartz eyes. Gray color, traces pyrite.
4-10-5	Graywacke. Slightly sericitic, darker gray, quartz common.
4-10-6	Graywacke. Quartz common.
4-10-7	Graywacke. Fine quartz veins.
4-10-8	Graywacke. Sheared, weakly silicified.
4-11-2	Graywacke. Darker gray variety than normal.
4-11-7	Graywacke. Dark variety. Note bit of epidote.
5-10-3	Graywacke. Slightly sericitic, some quartz, trace pyrite.
5-10-4	Graywacke. Some carbonate, quartz, trace pyrite.

Sample No	Amphibole	Pyroxene	Garnet	Epidote	Magnetite	Biotite	Carbonate	Zircon	Pyrite	Page 1
			HEAVY		MINERAL	I.D.	COUNTS			
1	50		10	10	10	10		<1		tr sphene skeletal w pyrite
3&4	5		5	5	10	75		tr	tr	
5 3&4			tr						tr	Frags hbl-epidote w tr pyrite
7	30	10	10	20	5	20		tr	5	tr sphene
9	70		5	10	5	10		tr	<1	tr sphene
11	50	10	10	5	5	5	10	tr	5	py-tr qtz-carb-ser-clay aggs frags
13	64		5	5	5	20			1	tr py assoc w carb.
15	55		10	5	5	10	10	<1	5	some py assoc w carb frags.
17	50		10	5	5	20	5		5	1/2 py assoc w carb. tr sphene.
19	50	10	10	5	5	10	5		5	
21	50	10	15	5	5	10	5	tr	≈1	
23	85		5		5	10	3		2	pyr tr
25	45		5	tr	5	5	20	tr	20	Many pyrite frags agg w carb-disturbed-qtz tr hematite-actinolite
27,28	70		10	5	5	10		tr	<1	
30	40	5	5	5	5	10	15	tr	15	Pyrite agg w carbonate
31	20	1	2		2		30	tr	45	Pyr-tr Pyrite agg w carb-amphib frag
33	60		15	10	3	10	tr	<1	1-2%	
34	50		5		5	5		tr	5	Sericite(?) brown original 30%; Py w tremolite
36	75		10		5	10		tr	<1	
38	70		20		5	5		tr	<1	
40	85		5		10	tr		tr	tr	
41	50	10	10	5	5	5	5	5	5	Pyr-tr.
43	70		10	5	10	tr	5	<1	<1	
44	70		15	5	5	tr	5	tr	tr	
46	65		10		10	tr	10	tr	5	
48	70	5	15	5	10	tr	10	tr	5	
50	60		15	5	10	tr	5	tr	5	
52	50	15	5		20			5	5	Small sample
54	45		15	10	10	10	10	tr	tr	
57	60	15	5		5	10	5		tr	

Sample No	Amphibole	Pyroxene	Garnet	Epidote	Magnetite	Biotite	Carbonate	Zircon	Pyrite	Page 2
60	35		5		20	20	5		<1	Amph. mostly light optic
62	70		15	5	5	5		tr	tr	
64	55		20	5	5	10			tr	Biotite tr Sphene 5%
66	55	15	15	tr		5		tr	5	Biotite tr
68	60		10	5	20	3			2	
70	40	10	15	10	5	10	10	tr	<1	
71	45	20	15	10	5	5	<1	tr	tr	
73	60	15	10	10	5				<1	
75	45	15	20	10	5		5	tr	<1	
77	55		5		5	15	15		5	
79	45	15	15	10	10	5			<1	
81	40	15	15	5	10	10			5	Ep(?) tr
84	65	5	5	10	10	5		tr	<1	Quartz as angle clay coated
85	55		5		10	15	15	tr	<1	Carb as grey angular (? actinolitic tremolite)
87	60	5	5	10	10	4	5	tr	1	Carb as g's-py-grey agg.
89	60		5	10	5	5	5	<1	10	fresh pyrite
91	64	5	10	5	10	5	tr	tr	1	
93	60		5	10	15	10	tr		tr	
95	55		10	10	10	5			<1	
97	65		5	10	5	tr	10	tr	5	Carb as green angular chl schist frags.
99	65	tr	10	5	5	5	10	tr	<1	
101	70		10	10	5	5		tr	tr	
102	70		10	10	5	5	tr	tr	<1	
104	35		10	15	5	5			tr	30% chl sch w red oxid (carb) aggt.
106	45	tr	5	10	10	5	10	tr	tr	
108	60	5	5	5	5	5	5		tr	Chlorite 10% schist
110	55		10	15	5	5		tr	tr	Chlorite sch - 10%
112	60	5	10	10	5	5	tr		<1	Chlorite sch 5%
114	40	5	20	20	5	5	5	tr	tr	Biotite tr.
116	85		5	5	1	4	tr		tr	
118	65		15		5	5			<1	Sericite 10% V. fine grained sample

SAMPLE NO	Amphibole	Pyroxene	Garnet	Epidote	Magnetite	Biotite	Carbonate	Zircon	Pyrite	Page 3
120	55	20	5	[redacted]	5	tr	[redacted] 5		<1	
122	60	5	10	10	5	tr	5		5	
124	60	5	15	10	5	5	tr	tr	<1	white [redacted] mineral (o[redacted]?) <5%
126	55	5	10	5	5	5	10	tr	5	Amph-Chl-sch-frags
128	90		2		3	tr	5			looks like hydrothermally Amph sch w some carb.
129	40		15	5	5			tr	20	Chlorite 15%
131	60				40					Insufficient sample for proper I.D.
132	40			15	<1	10	15		20	1/2 py oxidized
134	65		10	5	10	5	5		5	Amph-Chl sch 15% w pyrite, carb in select frags.
136	45	10	5	5	10	10	10		5	tr. Biotite - carb. sch tr brass (coltan)
138	45	10	5	10	20	5	5	tr	tr	tr. sphene, pyx, chlorite
139	30	10	20	5	10	15	5	tr	5	talc - carb sch tr sphene tr.
141	30	25	15	5	5	5	5	tr	5	Chl sch 5% tr sph
143	55	5	10	5	5	10	5	tr	5	Pyrr. tr. Chl sch tr sphene tr cp(?) tr
145	55	tr	10	15	10	5	5	tr	tr	
146	50	tr	15	15	5	tr	5	tr	5	sphene 5%
148	60		10	5	10	5	5	tr	5	
149	60		10	10	5	5	5	tr	5	metal content
151	55	5	10	10	5	5	5	tr	5	Chl-sch tr Pyrr. tr
153	45	5	10	10	10	5	5	tr	10	Pyrite w qtz-chl. sch + carb.
154	5	90	tr	tr	5	tr	tr		tr	Bedrock(?)
156	55	10	10	10	5	5	5	tr	<1	chl. sch w pyrite
157	60	5	10	10	5	5	tr	tr	5	Chl sch <1%
159	50	5	15	10	5	5	5	tr	5	Pyrr. tr
161	60	5	10	15	5	tr	5	tr	tr	tr chl-sch w pyr.
163	65	5	10	15	<5	5	tr	tr	tr	
165	40	15	5	5	10	10	5	tr	<1	Barite tr
167	60	5	15	5	5	5	5	tr	<1	~~chl sch tr~~ % Pyrite
169	50	10	15	10	5	5	5	tr	<1	Chl-ser-sch 100%
171	60	15	tr	10	5	tr	10		<1	Pyrr-tr
173	40	5	15	5	10	15	5	tr.	5	

SAMPLE NO	Amphibole	Pyroxene	Garnet	Epidote	Magnetite	Biotite	Carbonate	Zircon	Pyrite	Pyrr.
174	60	10	5	15	5	5	5		5	
176	45	15	5	15	5	10	5		<1	
177	65	5	5	10	5	5	5		tr	
181	60	15	5	5	10	5			<1	
182	55	10	5	5	20	5			tr	Bedrock sample(?)
184	65	10	5	5	15	tr			tr	
185	65		10	10	5	5	5		tr	
187	55	5	15	15	5	5	<1		<1	
189	30			60	5	tr	5		tr	
191	50		tr	15	5	20	5		5	
192	55		15	15	5	tr	5		5	Pyrr-tr.

MOUNTJOY TOWNSHIP PROJECT

"Q - 11"

ASSAY SAMPLE SHEET

Sample #	Hole #	Footage	Au ppb	As ppm	Cu ppm	Zn ppm
1	IV-10-6	52 - 58	40	5	70	337
2	IV-10-6	58 - 60 bdrk.	25	N.D.	40	72
3	IV-10-3	75 - 79	20	11	80	625
4	IV-10-3	79 - 83	200	5	55	300
5	IV-10-3	83 - 86	30	1	110	130
6	IV-10-3	86 - 88 bdrk.	10	N.D.	183	94
7	IV-9-6	33 - 37	60	3	73	85
8	IV-9-6	37 - 40 bdrk.	10	N.D.	8	33
9	IV-9-3	29 - 33	40	45	80	92
10	IV-9-3	33 - 35 bdrk.	5	1	41	63
11	IV-8-6	24 - 25	80	20	105	118
12	IV-8-6	25 - 27 bdrk.	10	13	50	88
13	IV-8-3	42 - 46	75	20	50	78
14	IV-8-3	46 - 48 bdrk.	10	14	46	96
15	IV-8-4	45 - 47	50	17	65	59
16	IV-8-4	47 - 49 bdrk.	5	N.D.	8	66
17	IV-7-5	81 - 83	190	45	105	175
18	IV-7-5	83 - 87 bdrk.	15	11	38	74
19	IV-7-6	63 - 64	30	14	108	163
20	IV-7-6	64 - 66 bdrk.	10	19	63	165
21	IV-7-3	100 - 106	80	24	70	108
22	IV-7-3	106 - 108 bdrk.	5	7	36	72

Sample #	Hole #	Footage	Au ppb	As ppm	Cu ppm	Zn ppm
23	IV-7-4	62.5 - 64.5	60	20	110	138
24	IV-7-4	64.5 - 66.5 bdrk.	20	5	43	66
25	IV-6-5	90 - 93.5	100	58	112	525
26	IV-6-5	93.5 - 96.5 bdrk.	10	4	38	69
27	IV-6-4	67 - 71	55	3	60	63
28	IV-6-4	71 - 74	35	20	74	155
29	IV-6-4	74 - 77 bdrk.	10	5	45	58
30	IV-6-3	65 - 69	60	124	320	575
31	IV-6-3	69 - 70	N.D.	233	440	1150
32	IV-6-3	70 - 72 bdrk.	<5	4	94	2730
33	IV-6-6	87 - 90	N.D.	81	275	475
34	IV-6-6	90 - 91	I.S.	47	310	2500
35	IV-6-6	91 - 93 bdrk.	< 5	5	82	188
36	IV-6-7	60 - 64	N.D.	25	110	55
37	IV-6-7	64 - 66 bdrk.	5	14	56	63
38	IV-6-2	69 - 73	45	28	109	1000
39	IV-6-2	73 - 75 bdrk.	5	13	42	81
40	IV-6-1	64 - 68	25	6	84	110
41	IV-6-1	68 - 72	10	31	220	280
42	IV-6-1	72 - 74 bdrk.	5	8	40	76
43	IV-6-8	62 - 66	20	13	106	90
44	IV-6-8	66 - 67.5	N.D.	16	132	207
45	IV-6-8	67.5 - 69 bdrk.	5	1	29	68
46	IV-7-1	80 - 83	10	21	240	193
47	IV-7-1	83 - 85 bdrk.	<5	11	32	65

Sample #	Hole #	Footage	Au ppb	As ppm	Cu ppm	Zn ppm
48	IV-7-2	114 - 115	45	81	108	150
49	IV-7-2	115 - 117 bdrk.	<5	3	26	61
50	IV-7-7	76 - 78	40	25	124	110
51	IV-7-7	78 - 80 bdrk.	<5	2	37	76
52	IV-7-8	60 - 84	I.S.	I.S.	236	670
53	IV-7-8	84 - 86 bdrk.	10	N.D.	31	63
54	IV-8-1	47 - 51	40	11	90	110
55	IV-8-1	51 - 54 bdrk.	<5	N.D.	4	35
56	IV-8-8	38 - 40 bdrk.	5	N.D.	3	40
57	IV-8-7	40 - 43	25	63	100	100
58	IV-8-7	43 - 45 bdrk.	< 5	18	124	114
59	IV-8-2	55.5 - 60 bdrk.	<5	4	15	27
60	IV-9-2	40 - 53.5	40	23	190	115
61	IV-9-2	56 - 58 bdrk.	<5	11	44	79
62	IV-9-1	64 - 68	N.D.	17	80	65
63	IV-9-1	68 - 70 bdrk.	5	10	40	103
64	V-10-4	72 - 76	N.D.	5	85	95
65	V-10-4	76 - 78 bdrk.	<5	2	82	75
66	V-10-3	36 - 40	30	5	118	635
67	V-10-3	40 - 42 bdrk.	<5	8	34	84
68	IV-9-8	30 - 34	25	16	200	215
69	IV-9-8	34 - 36 bdrk.	<5	4	43	71
70	III-6-7	99 - 103	N.D.	9	100	185
71	III-6-7	103 - 104	N.D.	17	112	155
72	III-6-7	104 - 107 bdrk.	<5	2	9	58

Sample #	Hole #	Footage	Au ppb	As ppm	Cu ppm	Zn ppm
73	III-6-2	80 - 90	N.D.	17	100	218
74	III-6-2	90 - 92 bdrk.	5	2	34	102
75	III-6-1	81 - 87	15	9	65	110
76	III-6-1	87 - 89 bdrk.	<5	8	28	62
77	III-6-8	93 - 104	50	118	100	180
78	III-6-8	104 - 107	170	6	29	57
79	III-7-1	105 - 116	<5	18	108	185
80	III-7-1	116 - 122 bdrk.	5	2	13	130
81	III-7-2	92 - 102	N.D.	77	355	3080
82	III-7-2	102 - 104 bdrk.	5	6	32	60
83	III-7-7	90 - 92 bdrk.	5	N.D.	54	55
84	III-7-8	0 - 29	I.S.	47	244	360
85	III-7-8	29 - 30	10	10	130	132
86	III-7-8	30 - 32 bdrk.	5	5	138	79
87	III-8-2	109 - 113	N.D.	11	90	265
88	III-8-2	113 - 117 bdrk.	N.D.	N.D.	6	36
89	III-8-7	41 - 54	150	33	72	80
90	III-8-7	54 - 57 bdrk.	N.D.	2	42	76
91	III-8-1	44 - 45	N.D.	8	90	90
92	III-8-1	45 - 47 bdrk.	10	5	49	103
93	III-8-8	21 - 30	10	9	90	135
94	III-8-8	30 - 32 bdrk.	N.D.	3	32	65
95	IV-8-5	37 - 39	N.D.	4	100	58
96	IV-8-5	39 - 41 bdrk.	N.D.	3	31	94
97	IV-9-4	17 - 17.5	N.D.	13	65	58

Sample #	Hole #	Footage	Au ppb	As ppm	Cu ppm	Zn ppm
98	IV-9-4	17.5 - 19.5 bdrk.	N.D.	2	43	58
99	IV-9-5	53 - 59	10	26	75	86
100	IV-9-5	59 - 61.5 bdrk.	< 5	2	36	195
101	IV-10-4	49 - 55	N.D.	4	45	48
102	IV-10-4	55 - 59	N.D.	10	83	75
103	IV-10-4	59 - 63 bdrk.	< 5	3	50	60
104	III-10-1	49.5 - 59.5	N.D.	5	60	270
105	III-10-1	59.5 - 62.5 bdrk.	< 5	2	20	53
106	III-10-8	106 - 116	50	1	78	78
107	III-10-8	116 - 118 bdrk.	5	1	32	53
108	IV-10-5	88 - 96	55	1	32	55
109	IV-10-5	96 - 98 bdrk.	< 5	3	36	84
110	IV-10-1	59 - 63.5	15	7	90	76
111	IV-10-1	63.5 - 65.5 bdrk.	55	5	45	49
112	IV-9-7	40 - 43	20	10	55	60
113	IV-9-7	43 - 45 bdrk.	10	6	16	93
114	IV-10-2	81 - 83	60	3	125	65
115	IV-10-2	83 - 85 bdrk.	5	6	34	200
116	IV-10-7	88 - 91	N.D.	N.D.	110	58
117	IV-10-7	91 - 93 bdrk.	N.D.	11	63	40
118	IV-10-8	106 - 109	I.S.	93	500	510
119	IV-10-8	109 - 111 bdrk.	<5	11	26	60
120	IV-11-2	99.5 - 100	5	3	50	78
121	IV-11-2	100 - 102 bdrk.	15	7	18	78
122	IV-11-7	37 - 39.5	10	17	74	240

Sample #	Hole #	Footage	Au ppb	As ppm	Cu ppm	Zn ppm
123	IV-11-7	39.5 - 41.5 bdrk.	<5	12	48	68
124	V-8-5	65 - 68	20	3	48	45
125	V-8-5	68 - 70 bdrk.	<5	2	8	43
126	V-8-6	46 - 50	10	18	150	90
127	V-8-6	50 - 52 bdrk.	15	3	16	36
128	V-8-3	79.5 - 84	10	14	25	110
129	V-8-3	88 - 92	50	75	90	80
130	V-8-3	92 - 93 bdrk.	<5	1	8	92
131	V-8-4	60 - 70	I.S.			
132	V-8-4	73 - 76	I.S.	I.S.	639	119
133	V-8-4	76 - 78 bdrk.	15	3	42	65
134	V-7-5	44 - 46.5	10	17	100	220
135	V-7-5	46.5 - 48.5 bdrk.	N.D.	1	2	24
136	V-7-6	58 - 58.5	10	24	163	240
137	V-7-6	58.5 - 60.5 bdrk.	<5	5	4	53
138	V-7-3	60.5 - 64	<5	5	110	78
139	V-7-3	64 - 66	30	19	120	118
140	V-7-3	66 - 69 bdrk.	<5	6	38	146
141	V-7-4	73.5 - 77.5	15	51	177	228
142	V-7-4	77.5 - 80 bdrk.	<5	13	47	60
143	V-6-5	60 - 64	10	22	167	391
144	V-6-5	64 - 66 bdrk.	N.D.	2	46	192
145	V-6-4	41 - 44	25	15	141	130
146	V-6-4	44 - 46	10	23	270	212
147	V-6-4	46 - 48 bdrk.	N.D.	9	33	77

Sample #	Hole #	Footage	Au ppb	As ppm	Cu ppm	Zn ppm
148	V-6-3	47 - 50	15	26	115	135
149	V-6-3	50 - 51	25	17	245	198
150	V-6-3	51 - 53 bdrk.	<5	6	40	62
151	V-6-6	47 - 51	15	90	92	900
152	V-6-6	54 - 56 bdrk.	<5	9	46	102
153	V-6-7	48 - 52	20	45	185	1180
154	V-6-7	52 - 53	10	2	150	158
155	V-6-7	56 - 58 bdrk.	<5	4	163	96
156	V-6-2	32 - 36	25	25	63	74
157	V-6-2	36 - 37	N.D.	11	112	598
158	V-6-2	38 - 41 bdrk.	50	14	52	88
159	V-6-8	52 - 55	20	31	100	107
160	V-6-8	55 - 57 bdrk.	<5	10	46	92
161	VI-7-4	41 - 43	20	8	95	88
162	VI-7-4	43 - 45 bdrk.	<5	5	45	85
163	V-7-1	73 - 76	15	2	83	29
164	V-7-1	76 - 78 bdrk.	<5	7	41	70
165	V-7-2	67 - 71	10	31	90	75
166	V-7-2	76 - 78 bdrk.	5	9	48	86
167	V-7-7	60 - 64	10	27	96	128
168	V-7-7	66 - 68 bdrk.	<5	18	36	74
169	V-7-8	40 - 43	25	8	110	78
170	V-7-8	48 - 52 bdrk.	N.D.	1	3	34
171	V-8-1	96 - 100	10	7	112	446
172	V-8-1	100 - 102 bdrk.	<5	13	20	99

Sample #	Hole #	Footage	Au ppb	As ppm	Cu ppm	Zn ppm
173	V-8-2	89 - 93	10	72	162	150
174	V-8-2	93 - 94	10	21	191	72
175	V-8-2	94 - 96 bdrk.	< 5	4	59	66
176	V-8-7	74 - 78	15	8	151	250
177	V-8-7	78 - 79	N.D.	12	71	125
178	V-8-7	79 - 81 bdrk.	< 5	3	39	87
179	III-9-1	20 - 33	I.S.			
180	III-9-1	33 - 35 bdrk.	< 5	13	40	85
181	III-9-8	36 - 38	5	2	150	70
182	III-9-8	38 - 40	< 5	2	157	58
183	III-9-8	40 - 43 bdrk.	< 5	4	34	72
184	III-9-7	64 - 68	10	3	146	62
185	III-9-7	68 - 69	25	14	185	122
186	III-9-7	69 - 71 bdrk.	N.D.	9	36	73
187	III-9-2	52 - 56	15	15	64	80
188	III-9-2	56 - 59 bdrk.	10	3	32	97
189	V-8-8	89 - 92	10	4	68	50
190	V-8-8	92 - 94 bdrk.	< 5	2	18	53
191	V-10-5	50 - 54	<5	22	74	66
192	V-10-5	54 - 55	10	31	167	403
193	V-10-5	55 - 57 bdrk.	< 5	5	28	69

MOUNTJOY PROJECT "O - 11F"

BASAL TILL SAMPLING

CHRONOLOGICAL LOG OF OVERBURDEN

February 26, 1974

8:00 A.M.	Moving to drill site.
9:30 A.M.	Getting ready.
12:30 P.M.	Ready to start.
1:20 P.M.	Waiting for water
3:15 P.M.	Drilling
4:05 P.M.	Waiting for water
4:30 P.M.	Drilling
5:25 P.M.	Muskeg broken

February 27, 1974

8:00 A.M.	Repair muskeg at shop
9:00 A.M.	Getting water
9:45 A.M.	Ready to drill
1:10 P.M.	Moving
2:45 P.M.	Drilling
4:30 P.M.	Moving

Hole III-6-7

0.0 - 20.0	Clay
20.0 - 27.0	Gravel
27.0 - 28.0	Boulder sed. Poor water return
28.0 - 30.0	Poor water return
30.0 - 32.0	Lost water
32.0 - 38.0	Boulder, sand
38.0 - 63.0	Gravel
63.0 - 68.0	Clay
68.0 - 72.0	Gravel and clay
72.0 - 76.0	Gravel, boulders lost water
78.0 - 80.0	Gravel
80.0 - 91.0	Gravel and clay
91.0 - 103.0	Clay
103.0 - 103.5	Gravel
103.5 - 107.0	Bedrock

Hole III-6-2

0.0 - 58.0	Clay
58.0 - 61.0	Gravel
61.0 - 68.0	Gravel
68.0 - 71.0	Clay and gravel
71.0 - 75.0	Gravel
75.0 - 79.5	Clay
79.5 - 84.0	Clay and gravel
84.0 - 88.0	Clay and gravel
88.0 - 90.0	Clay, gravel and boulders
90.0 - 92.0	Bedrock

February 27, 1974

5:20 P.M. Start drilling

February 28, 1974

9:15 A.M. Delay for water
9:40 A.M. Drilling

9:55 A.M. No water
10:30 A.M. Start drilling

11:45 A.M. No water
12:15 P.M. Drilling

1:30 P.M. Drilling

4:15 P.M. Lost water
5:10 P.M. Drilling

March 1, 1974

10:10 A.M. No water

Hole III-6-1

0.0 - 34.0	Clay
34.0 - 43.0	Gravel
43.0 - 47.0	Gravel and boulders
47.0 - 51.0	Gravel and clay
51.0 - 55.0	Gravel and clay Lost water
55.0 - 59.0	Gravel and clay
59.0 - 63.0	Gravel
63.0 - 67.0	Lost water, no rejects
67.0 - 71.0	Clay and gravel Lost water, no rejects
71.0 - 73.0	Gravel, boulder, clay No return, no rejects
73.0 - 77.0	Boulders, clay, sand (till) Lost water
77.0 - 81.0	Boulders, clay, gravel (till?)
81.0 - 83.0	Boulders, gravel, clay
83.0 - 86.5	Clay, gravel, boulders (till)
86.5 - 89.0	Bedrock

Hole III-6-8

0.0 - 29.0	Clay
29.0 - 33.0	Gravel
33.0 - 45.0	Clay and gravel
45.0 - 47.0	Gravel
47.0 - 48.0	One boulder
48.0 - 52.0	Gravel
52.0 - 55.0	Gravel (well sorted, granitic)
55.0 - 59.0	Gravel Lost water
59.0 - 67.0	Gravel
67.0 - 75.0	Clay and gravel
75.0 - 79.0	Clay
79.0 - 80.0	Clay and gravel
80.0 - 91.5	Clay and gravel
91.5 - 93.0	One boulder
93.0 - 97.0	Clay, gravel
97.0 - 98.0	Clay, boulder, gravel
98.0 - 100.5	Clay, gravel, boulder

10:30 A.M.	Drilling	100.5 - 104.0	Boulder, gravel
		104.0 - 107.0	Bedrock
		Hole III-7-1	
12:25 P.M.	Start drilling	0.0 - 92.0	Clay
		92.0 - 100.5	Sand
		100.5 - 116.0	Gravel
		116.0 - 120.0	Bedrock?
		120.0 - 122.0	Bedrock
2:30 P.M.	End of hole III-7-1		
		Hole III-7-2	
3:25 P.M.	Start drilling	0.0 - 81.0	Clay
		81.0 - 89.0	Gravel
		86.0 - 91.0	Lost water
		89.0 - 92.0	Gravel
March 2, 1974			
8:00 A.M.	Change bit		
9:00 A.M.	Start drilling	92.0 - 96.0	Broken boulders
			Lost water 86.0 - 96.0
		96.0 - 100.0	Lost water, boulders, gravel
		100.0 - 102.0	Boulders, gravel
		102.0 - 104.0	Bedrock
11:30 A.M.	End of hole III-7-2		
		Hole III-7-7	
1:30 P.M.	Start drilling	0.0 - 90.0	Clay
		90.0 - 92.0	Bedrock
3:15 P.M.	End of hole III-7-7		
6:00 P.M.	Setting up on hole III-7-8	**Hole III-7-8**	
March 4, 1974			
9:20 A.M.	Water at drill start drilling	0.0 - 29.0	Clay
		29.0 - 30.0	Gravel
		30.0 - 32.0	Bedrock
10:35 A.M.	End of hole III-7-8		
		Hole III-8-2	
11:35 A.M.	Start drilling	0.0 - 74.0	Clay
		74.0 - 87.0	Clay
		87.0 - 95.0	Gravel
		95.0 - 99.0	Clay
		99.0 - 107.0	Clay and gravel

		107.0 - 109.0	Sand and clay
		109.0 - 113.0	Gravel and clay
1:05 P.M.	End of hole III-8-2	113.0 - 117.0	Bedrock
		Hole III-8-7	
1:30 P.M.	Start drilling	0.0 - 41.0	Clay
		41.0 - 54.0	Gravel
2:20 P.M.	End of hole III-8-7	54.0 - 57.0	Bedrock
		Hole III-8-1	
3:00 P.M.	Start drilling	0.0 - 44.0	Clay
		44.0 - 45.0	Gravel
4:00 P.M.	End of hole III-8-1	45.0 - 47.0	Bedrock
		Hole III-8-8	
4:30 P.M.	Start drilling	0.0 - 21.0	Clay
		21.0 - 30.0	Clay and gravel
5:00 P.M.	End of hole III-8-8	30.0 - 32.0	Bedrock
		Hole IV-8-5	
5:30 P.M.	Set up		
March 5, 1974			
8:50 A.M.	Start drilling	0.0 - 37.0	Clay
		37.0 - 39.0	Gravel
9:30 A.M.	End of hole IV-8-5	39.0 - 41.0	Bedrock
		Hole IV-9-4	
10:05 A.M.	Start drilling	0.0 - 17.0	Clay
		17.0 - 17.5	Gravel
		17.5 - 19.5	Bedrock
		Hole IV-9-5	
11:25 A.M.	Start drilling	0.0 - 49.0	Clay
		49.0 - 57.0	Gravel
		57.0 - 59.0	Boulder and gravel
12:05 P.M.	End of hole IV-9-5	59.0 - 61.5	Bedrock

		Hole IV-10-4	
12:40 P.M.	Start drilling	0.0 - 41.0	**Clay**
		41.0 - 55.0	**Gravel**
		55.0 - 59.0	**Boulders, gravel lost water**
2:05 P.M.	Delay for water		
2:50 P.M.	Start drilling	59.0 - 63.0	**Bedrock, lost water**
3:15 P.M.	End of hole IV-10-4		
		Hole III-10-1	
3:45 P.M.	Start drilling	0.0 - 37.0	Clay
		37.0 - 41.0	Clay, no rejects
		41.0 - 47.5	Gravel
		47.5 - 49.5	One boulder
		49.5 - 59.5	Clay and gravel
		59.5 - 62.5	Bedrock, lost water
5:00 P.M.	End of hole III-10-1		
		Hole III-10-8	
5:30 P.M.	Setting up		
March 6, 1974			
8:25 A.M.	Start drilling	0.0 - 34.0	Clay
		34.0 - 93.5	Gravel
		93.5 - 104.5	Clay and gravel
		104.5 - 105.8	Gravel and boulders
		105.8 - 110.0	Rusty gravel
		110.0 - 116.0	Gravel
		116.0 - 118.0	Bedrock
1:30 P.M.	End of hole III-10-8		
		Hole IV-10-5	
1:40 P.M.	Start drilling	0.0 - 24.0	Clay
		24.0 - 44.0	Gravel
		44.0 - 52.0	Gravel and boulders
		52.0 - 60.0	Gravel
		60.0 - 64.0	Gravel, boulders, clay
		64.0 - 68.0	Gravel, boulders
		68.0 - 72.0	Gravel, clay
		72.0 - 96.0	Gravel
		96.0 - 98.0	Bedrock
4:30 P.M.	End of hole IV-10-5		
		Hole IV-10-6	
5:00 P.M.	Start drilling	0.0 - 18.0	Clay
		18.0 - 42.0	Gravel

March 7, 1974

8:30 A.M.	Start drilling
9:00 A.M.	End of hole IV-10-6
10:00 A.M.	Start drilling
12:45 P.M.	End of hole IV-10-3
1:25 P.M.	Start drilling
2:05 P.M.	End of hole IV-9-6
2:30 P.M.	Start drilling
3:15 P.M.	End of hole IV-9-3
4:00 P.M.	Start drilling
4:30 P.M.	End of hole IV-8-6
5:00 P.M.	Start drilling
5:45 P.M.	End of hole IV-8-3

March 8, 1974

8:00 A.M.	Move to hole IV-8-4
9:15 A.M.	Start drilling

42.0 - 52.0	Gravel and clay
52.0 - 58.0	Till
58.0 - 60.0	Bedrock

Hole IV-10-3

0.0 - 26.0	Clay
26.0 - 34.0	Clay and gravel
34.0 - 63.0	Coarse gravel
63.0 - 67.0	Clay and sand
67.0 - 71.0	Clay and sand
71.0 - 86.0	Till
86.0 - 88.0	Bedrock

Hole IV-9-6

0.0 - 29.0	Clay
29.0 - 37.0	Clay and gravel
37.0 - 40.0	Bedrock

Hole IV-9-3

0.0 - 29.0	Clay
29.0 - 33.0	Gravel
33.0 - 35.0	Bedrock

Hole IV-8-6

0.0 - 24.0	Clay
24.0 - 25.0	Gravel
25.0 - 27.0	Bedrock

Hole IV-8-3

0.0 - 26.0	Clay
26.0 - 37.0	Gravel
37.0 - 46.0	Clay and gravel
46.0 - 48.0	Bedrock

Hole IV-8-4

0.0 - 45.0	Clay
45.0 - 47.0	Gravel (clean)

		47.0 - 49.0	Bedrock
9:45 A.M.	End of hole IV-8-4		
		Hole IV-7-5	
10:10 A.M.	Start drilling	0.0 - 81.0	Clay
		81.0 - 83.0	Till, lost water
		83.0 - 87.0	Bedrock
11:00 A.M.	End of hole IV-7-5		
		Hole IV-7-6	
	Move to hole IV-7-6		
	Clean water tubs		
12:05 P.M.	Start drilling	0.0 - 63.0	Clay
		63.0 - 64.0	Clean gravel
		64.0 - 66.0	Bedrock
12:45 P.M.	End of hole IV-7-6		
		Hole IV-7-3	
1:05 P.M.	Start drilling	0.0 - 100.0	Clay
		100.0 - 106.0	Till
		106.0 - 108.0	Bedrock
2:45 P.M.	End of hole IV-7-3		
		Hole IV-7-4	
3:15 P.M.	Start drilling	0.0 - 57.0	Clay
		57.0 - 57.5	Gravel
		57.5 - 62.5	Clay
		62.5 - 64.5	Clean gravel
		64.5 - 66.5	Bedrock
4:55 P.M.	End of hole IV-7-4		
March 9, 1974		**Hole IV-6-5**	
8:00 A.M.	Move to set up hole IV-6-5		
9:00 A.M.	Frozen pipes - delay		
9:30 A.M.	Start drilling	0.0 - 37.0	Clay
		37.0 - 41.0	Gravel (clean)
		41.0 - 49.0	Gravel
		49.0 - 53.0	Clay and gravel
		53.0 - 57.0	Gravel
		57.0 - 60.0	Coarse gravel
		60.0 - 64.0	Boulders
		64.0 - 78.0	Fine sand, no rejects
		78.0 - 86.0	Gravel
		86.0 - 90.0	Gravel, boulders
		90.0 - 93.5	Till
		93.5 - 96.5	Bedrock
2:00 P.M.	End of hole IV-6-5		

2:30 P.M. Start drilling

Hole IV-6-4

0.0 - 23.0	Clay
23.0 - 38.0	Gravel (clean)
38.0 - 56.0	Gravel
56.0 - 67.0	Clay and gravel
67.0 - 74.0	Gravel and boulders (till)
74.0 - 77.0	Broken bedrock

March 11, 1974

8:00 A.M. Get ready, water heaters
9:00 A.M. Start drilling

Hole IV-6-3

0.0 - 29.0	Clay
29.0 - 33.0	Gravel
33.0 - 37.0	Clay and gravel
37.0 - 49.0	Gravel
49.0 - 53.0	Gravel and boulders
53.0 - 57.0	Gravel
57.0 - 61.0	Gravel, coarse
61.0 - 70.0	Till
70.0 - 72.0	Bedrock

11:00 A.M. End of hole IV-6-3

Hole IV-6-6

11:30 A.M. Start drilling

0.0 - 10.0	Clay
10.0 - 14.0	Gravel
14.0 - 24.0	Gravel and boulders
24.0 - 34.0	No rejects, lost water at 30.0'
34.0 - 38.0	Clay and gravel
38.0 - 42.0	Gravel, lost water
42.0 - 51.0	No rejects, lost water
51.0 - 59.0	Clay and gravel
59.0 - 64.0	Sand
60.0 - 64.0	Lost water, no rejects
64.0 - 70.0	Clay and gravel
70.0 - 74.0	Gravel
74.0 - 78.0	Fine sand, lost water at 76.0'
78.0 - 86.0	Gravel and clay
86.0 - 90.0	Till
90.0 - 91.0	Till
91.0 - 93.0	Bedrock

2:00 P.M. End of hole IV-6-6

Hole IV-6-7

2:20 P.M. Start drilling

0.0 - 34.0	Clay
34.0 - 42.0	Gravel
42.0 - 64.0	Clay and gravel
64.0 - 66.0	Bedrock

3:25 P.M. End of hole IV-6-7

		Hole IV-6-2	
3:45 P.M.	Start drilling	0.0 - 26.0	Clay
		26.0 - 38.0	Gravel and clay
		38.0 - 54.0	Gravel
		54.0 - 65.0	Clay and gravel
		65.0 - 73.0	Till
		73.0 - 75.0	Bedrock
5:30 P.M.	End of hole IV-6-2		
March 12, 1974		**Hole IV-6-1**	
8:00 A.M.	Thaw drill, get water		
9:00 A.M.	Start drilling	0.0 - 24.0	Clay
		24.0 - 34.0	Clay and gravel
		34.0 - 38.0	Gravel
		38.0 - 42.0	Gravel (coarse)
		42.0 - 44.0	Boulder
		44.0 - 60.0	Gravel
		60.0 - 72.0	Till
		72.0 - 74.0	Bedrock
11:10 A.M.	End of hole IV-6-1		
		Hole IV-6-8	
11:30 A.M.	Start drilling	0.0 - 42.0	Clay
		42.0 - 50.0	Gravel
		50.0 - 62.0	Coarse gravel
		62.0 - 66.0	Gravel
		66.0 - 67.5	Clay
		67.5 - 68.0	Bedrock?
		68.0 - 69.0	Bedrock
1:15 P.M.	End of hole IV-6-8		
		Hole IV-7-1	
2:10 P.M.	Start drilling	0.0 - 78.0	Clay
		78.0 - 83.0	Till
		83.0 - 85.0	Bedrock
3:15 P.M.	End of hole IV-7-1		
		Hole IV-7-2	
3:45 P.M.	Start drilling	0.0 - 96.0	Clay
		96.0 - 114.0	Gravel and clay
		114.0 - 115.0	Till
		115.0 - 117.0	Bedrock
5:30 P.M.	End of hole IV-7-2		
March 13, 1974		**Hole IV-7-7**	
8:00 A.M.	Move to hole IV-7-7		
9:30 A.M.	Start drilling	0.0 - 72.0	Clay
		72.0 - 76.0	Gravel

10:30 A.M. End of hole IV-7-7

1:00 P.M. Start drilling

1:45 P.M. End of hole IV-7-8

4:35 P.M. Start drilling

5:15 P.M. End of hole IV-8-1

March 14, 1974

8:00 A.M. Get water, start pump
9:30 A.M. Start drilling

10:00 A.M. End of hole IV-8-8

12:30 P.M. Start drilling

2:00 P.M. End of hole IV-8-7

3:00 P.M. Start drilling

3:40 P.M. Delay for water
4:40 P.M. Drilling from 51.0 to 56.0
5:00 P.M. Get water

March 15, 1974

9:50 A.M. End of hole IV-8-2

10:30 A.M. Start drilling
11:15 A.M. Delay for water
12:15 P.M. Drilling, lost water
12:45 P.M. Water back

2:30 P.M. End of hole IV-9-2

76.0 - 78.0	Till
78.0 - 80.0	Bedrock

Hole IV-7-8

0.0 - 84.0	Clay
84.0 - 86.0	Bedrock

Hole IV-8-1

0.0 - 47.0	Clay
47.0 - 51.0	Gravel
51.0 - 54.0	Bedrock

Hole IV-8-8

0.0 - 37.5	Clay
37.5 - 39.5	Bedrock

Hole IV-8-7

0.0 - 40.0	Clay
40.0 - 43.0	Till
43.0 - 45.0	Bedrock

Hole IV-8-2

0.0 - 51.0	Clay
51.0 - 56.0	lost water
56.0 - 60.0	Bedrock

Hole IV-9-2

0.0 - 40.0	Clay
40.0 - 53.5	Silt, lost water (3rd time)
53.5 - 56.0	Bedrock, lost chips because of blocked rods
56.0 - 58.0	Bedrock

Hole IV-9-1

3:50 P.M.	Start drilling	0.0 - 56.0	Clay
		56.0 - 64.0	Fine sand
		64.0 - 68.0	Clay and gravel
		68.0 - 70.0	Bedrock
4:30 P.M.	End of hole IV-9-1		

March 16, 1974

Hole V-10-4

8:00 A.M.	Move to hole V-10-4		
9:30 A.M.	Start drilling	0.0 - 12.0	Clay
		12.0 - 20.0	Clay and gravel
		20.0 - 44.0	Clay and gravel
		44.0 - 76.0	Gravel (coarse)
		76.0 - 78.0	Bedrock
11:45 A.M.	End of hole V-10-4		

Hole V-10-3

11:45 A.M. to 1:15 P.M. Moving to V-10-3

1:15 P.M.	Start drilling	0.0 - 14.0	Clay
		14.0 - 28.0	Gravel and clay
		28.0 - 40.0	Coarse gravel
		40.0 - 42.0	Bedrock
2:20 P.M.	End of hole V-10-3		

Hole IV-9-8

3:45 P.M.	Start drilling	0.0 - 20.0	Clay
		20.0 - 30.0	Clay and gravel
		30.0 - 34.0	Till
		34.0 - 36.0	Bedrock

March 18, 1974

Hole IV-10-1

8:00 A.M.	Start to thaw machinery		
8:30 A.M.	Start drilling	0.0 - 15.0	Clay
		15.0 - 44.0	Clay and gravel
		44.0 - 59.0	Coarse gravel
		59.0 - 63.5	Clay and gravel
		63.5 - 65.5	Bedrock
10:00 A.M.	End of hole IV-10-1		

Hole IV-9-7

11:00 A.M.	Start drilling	0.0 - 40.0	Clay
		40.0 - 43.0	Gravel
		43.0 - 45.0	Bedrock
11:30 A.M.	End of hole IV-9-7		

12:00 Noon Start drilling

1:55 P.M. End of hole IV-10-2

2:25 P.M. Start drilling

March 19, 1974

8:00 A.M. Move to hole IV-10-8
9:10 A.M. Start drilling

1:05 P.M. Adaptator jammed by clay and sand. Change bit, rods stuck

3:30 P.M. Lost water on boulder
3:35 P.M. Start drilling
4:00 P.M. Lost water
4:10 P.M. Start drilling

5:30 P.M. End of hole IV-10-8

Hole IV-10-2

0.0 - 20.0	Clay
20.0 - 46.0	Gravel and clay
46.0 - 77.0	Gravel and clay (till)
77.0 - 81.0	Gravel and clay
81.0 - 83.0	Till
83.0 - 85.0	Bedrock

Hole IV-10-7

0.0 - 8.0	Clay
8.0 - 12.0	Gravel
12.0 - 40.0	Gravel and clay
40.0 - 49.0	Clay
49.0 - 53.0	Gravel
53.0 - 61.0	Clay and gravel
61.0 - 65.0	Cemented clay
65.0 - 69.0	Clay and gravel (cemented)
69.0 - 80.0	Cemented clay and gravel
80.0 - 82.0	Fine sand
82.0 - 91.0	Coarse gravel
91.0 - 93.0	Bedrock

Hole IV-10-8

0.0 - 14.0	Clay
14.0 - 18.0	Gravel
18.0 - 26.0	Clay and gravel
26.0 - 34.0	Clay
34.0 - 42.0	Gravel
42.0 - 50.0	Coarse gravel
50.0 - 70.0	Clay and gravel
70.0 - 80.0	Clay and fine sand
80.0 - 82.0	Sand and fine gravel
82.0 - 90.0	Clay and fine sand
90.0 - 93.0	Clay
93.0 - 99.0	Clay
99.0 - 102.0	Till
102.0 - 104.5	One boulder
104.5 - 106.0	Boulders
106.0 - 109.0	Till
109.0 - 111.0	Bedrock

March 20, 1974

8:00 A.M.	Repair muskeg
9:45 A.M.	Move to hole
10:00 A.M.	Prepare to drill
10:30 A.M.	Delay - broken oil pipe
12:00 Noon	Start drilling
1:30 P.M.	Lost water
1:50 P.M.	Start drilling
2:30 P.M.	Start drilling again
4:15 P.M.	End of hole IV-11-2
5:00 P.M.	Start drilling
5:30 P.M.	End of hole IV-11-7

March 21, 1974

8:00 A.M.	Move to hole V-8-5
9:00 A.M.	Get water with nodwell
9:30 A.M.	Start drilling
10:30 A.M.	End of hole V-8-5
10:30 A.M. to 3:00 P.M.	Nodwell broken

March 23, 1974

8:00 A.M.	Get ready with new muskeg, get water
9:30 A.M.	Start drilling
10:45 A.M.	End of hole V-8-6
11:10 A.M.	Start drilling
12:20 P.M.	Stop drilling
12:45 P.M.	Start drilling

Hole IV-11-2

0.0 - 19.0	Clay
19.0 - 31.0	Fine sand
31.0 - 39.0	Gravel, lost water
39.0 - 43.0	No rejects
43.0	Gravel
43.0 - 48.0	Lost rejects
48.0 - 57.0	Lost water and rejects
57.0 - 78.0	Fine sand
78.0 - 99.0	Gravel and fine sand
99.0 - 99.5	Clay
99.5 - 100.0	Till
100.0 - 102.0	Bedrock

Hole IV-11-7

0.0 - 37.0	Clay
37.0 - 39.5	Gravel
39.5 - 41.5	Bedrock

Hole V-8-5

0.0 - 61.0	Clay
61.0 - 68.0	Clay and gravel
68.0 - 70.0	Bedrock

Hole V-8-6

0.0 - 46.0	Clay
46.0 - 50.0	Gravel
50.0 - 52.0	Bedrock

Hole V-8-3

0.0 - 79.5	Clay
79.5 - 84.0	Gravel
84.0 - 88.0	Lost water in coarse gravel, barely no rejects
88.0 - 92.0	Lost water

1:00 P.M.	Start drilling
1:20 P.M.	Stop drilling
1:30 P.M.	Start drilling
1:35 P.M.	End of Hole V-8-3

88.0 - 92.0	Broken bedrock or till?
92.0 - 93.0	Bedrock

Hole V-8-4

2:10 P.M.	Start drilling
3:00 P.M. to 3:05 P.M.	Delay for water
3:20 P.M.	End of hole V-8-4

0.0 - 70.0	Clay
70.0 - 73.0	No water, lost water, no rejects
73.0 - 76.0	Broken bedrock
76.0 - 78.0	Bedrock

Hole V-7-5

4:00 P.M.	Start drilling
4:55 P.M.	End of hole V-7-5

0.0 - 40.0	Clay
40.0 - 46.5	Gravel
46.5 - 48.5	Bedrock

March 25, 1974

Hole V-7-6

8:00 A.M.	Change tank on small muskeg
9:30 A.M.	Start drilling
10:30 A.M.	End of hole V-7-6

0.0 - 58.0	Clay
58.0 - 58.5	Gravel
58.5 - 60.5	Bedrock

Hole V-7-3

11:15 A.M.	Start drilling
12:20 P.M.	End of hole V-7-3

0.0 - 52.0	Clay
52.0 - 58.5	Gravel
58.5 - 60.5	Boulder
60.5 - 64.0	Gravel
64.0 - 66.0	Broken bedrock and gravel
66.0 - 69.0	Bedrock

Hole V-7-4

12:50 P.M.	Start drilling
3:00 P.M.	End of hole V-7-4

0.0 - 40.0	Clay
40.0 - 44.0	Gravel
44.0 - 56.0	Well sorted gravel
56.0 - 68.0	Clay
68.0 - 77.5	Till
77.5 - 80.0	Bedrock

Hole V-6-5

3:30 P.M.	Start drilling

0.0 - 54.0	Clay
54.0 - 64.0	Gravel

		64.0 - 66.0	Bedrock
4:40 P.M.	End of hole V-6-5		

4:40 P.M. to 5:30 P.M. Move to hole V-6-4

March 26, 1974

Hole V-6-4

8:00 A.M.	Get ready to drill		
9:00 A.M.	Start drilling, had to go to shop for new shell		
9:30 A.M.	Start drilling	0.0 - 28.0	Clay
		28.0 - 44.0	Gravel
		44.0 - 46.0	Till
		46.0 - 48.0	Bedrock
10:40 A.M.	End of hole V-6-4		

Hole V-6-3

10:45 A.M.	Change flat tire		
11:15 A.M.	Move to hole V-6-3		
11:45 A.M.	Repair press hose		
12:00 Noon	Start drilling	0.0 - 47.0	Clay
		47.0 - 50.0	Gravel
		50.0 - 51.0	Till
		51.0 - 53.0	Bedrock
1:20 P.M.	End of hole V-6-3		

Hole V-6-6

		0.0 - 38.0	Clay
		38.0 - 51.0	Gravel
2:30 P.M.		51.0 - 54.0	Lost water, no rejects
2:50 P.M.	Start drilling	54.0 - 56.0	Bedrock
3:00 P.M.	End of hole V-6-6		

Hole V-6-7

4:40 P.M.	Start drilling	0.0 - 51.0	Clay
		51.0 - 55.0	Gravel
		55.0 -	Lost water
5:45 P.M.	Stop drilling		

March 27, 1974

8:00 A.M.	Delay for water		
9:15 A.M.	Start drilling	55.0 - 57.0	Lost water, no rejects
9:30 A.M.	Get water Mattagami River		
10:45 A.M.	Start drilling	57.0 - 58.0	No rejects, lost water
11:00 A.M.		58.0 - 59.0	Lost water, no rejects, but we are in bedrock
11:30 A.M.	Change broken bit move 10 feet - start same hole because of no rejects		

12:00 Noon	Start drilling
12:45 P.M.	End of hole V-6-7
1:20 P.M.	Start drilling
2:15 P.M.	End of hole V-6-2
3:10 P.M.	Start drilling
3:55 P.M.	End of hole V-6-8
4:50 P.M.	Start drilling
5:45 P.M.	End of hole VI-7-4

March 28, 1974

8:00 A.M.	Move to hole V-7-1
8:45 A.M.	Start drilling
11:35 A.M.	End of hole V-7-1
12:00 Noon	Start drilling
1:00 P.M. to 1:45 P.M.	
1:45 P.M. to 2:10 P.M.	
2:10 P.M. to 2:30 P.M.	
2:50 P.M.	End of hole V-7-2
3:30 P.M.	Start drilling
4:30 P.M.	End of hole V-7-7

0.0 - 48.0	Clay
48.0 - 53.0	Gravel
53.0 - 56.0	Lost water, no rejects
56.0 - 58.0	Bedrock

Hole V-6-2

0.0 - 28.0	Clay
28.0 - 36.0	Gravel
36.0 - 37.0	Till
37.0 - 38.0	Lost water, no rejects
38.0 - 41.0	Bedrock

Hole V-6-8

0.0 - 49.0	Clay
49.0 - 52.0	Gravel
52.0 - 55.0	Till
55.0 - 57.0	Bedrock

Hole VI-7-4

0.0 - 41.0	Clay
41.0 - 43.0	Fine sand
43.0 - 45.0	Bedrock

Hole V-7-1

0.0 - 40.0	Clay
40.0 - 65.0	Gravel
65.0 - 76.0	Clay and gravel
76.0 - 78.0	Bedrock

Hole V-7-2

0.0 - 63.0	Clay
63.0 - 71.0	Gravel
71.0 - 72.0	Lost water
71.0 - 74.0	Lost water and rejects
71.0 - 76.0	Lost water and rejects
76.0 - 78.0	Bedrock

Hole V-7-7

0.0 - 60.0	Clay
60.0 - 64.0	Gravel
64.0 - 66.0	Lost water, no rejects
66.0 - 68.0	Bedrock

5:00 P.M. Start drilling

5:45 P.M. Stop drilling, no water

March 29, 1974

8:00 A.M. Wait for water
9:00 A.M. Drilling
9:30 A.M. Start drilling

10:20 A.M. End of hole V-7-8

10:50 A.M. Start drilling

12:00 Noon Stop drilling, no water

12:20 P.M. to 12:35 P.M. Wait for water
1:20 P.M. Lost water from 97.0 to 99.0
1:20 P.M. to 2:00 P.M. Check bit
2:00 P.M. Start drilling

2:20 P.M. End of hole V-8-1

2:45 P.M. Start drilling

3:50 P.M. End of hole V-8-2

4:10 P.M. Start drilling

5:45 P.M. End of hole V-8-7

March 30, 1974

8:00 A.M. Move to hole III-9-1
9:00 A.M. Start drilling

Hole V-7-8

0.0 - 40.0	Clay
40.0 - 43.0	Gravel
43.0 -	
45.0 - 46.0	Lost all water
43.0 - 48.0	Lost water, no rejects
48.0 - 49.0	Lost water, waiting for water
48.0 - 52.0	Bedrock

Hole V-8-1

0.0 - 88.0	Clay and fine sand
88.0 - 90.0	Lost water, no rejects
88.0 - 96.0	Fine sand, lost water, barely no rejects
96.0 - 97.0	Lost water, boulder
96.0 - 100.0	Lost water in fine sand, boulder
100.0 - 102.0	Bedrock

Hole V-8-2

0.0 - 60.0	Clay and fine sand
60.0 - 89.0	Clay and fine sand
89.0 - 93.0	Gravel
93.0 - 94.0	Broken gravel
94.0 - 96.0	Bedrock

Hole V-8-7

0.0 - 42.0	Clay and fine sand
42.0 - 58.0	Clay and gravel
58.0 - 62.0	Gravel
62.0 - 78.0	Clay and gravel
78.0 - 79.0	Gravel
79.0 - 81.0	Bedrock

Hole III-9-1

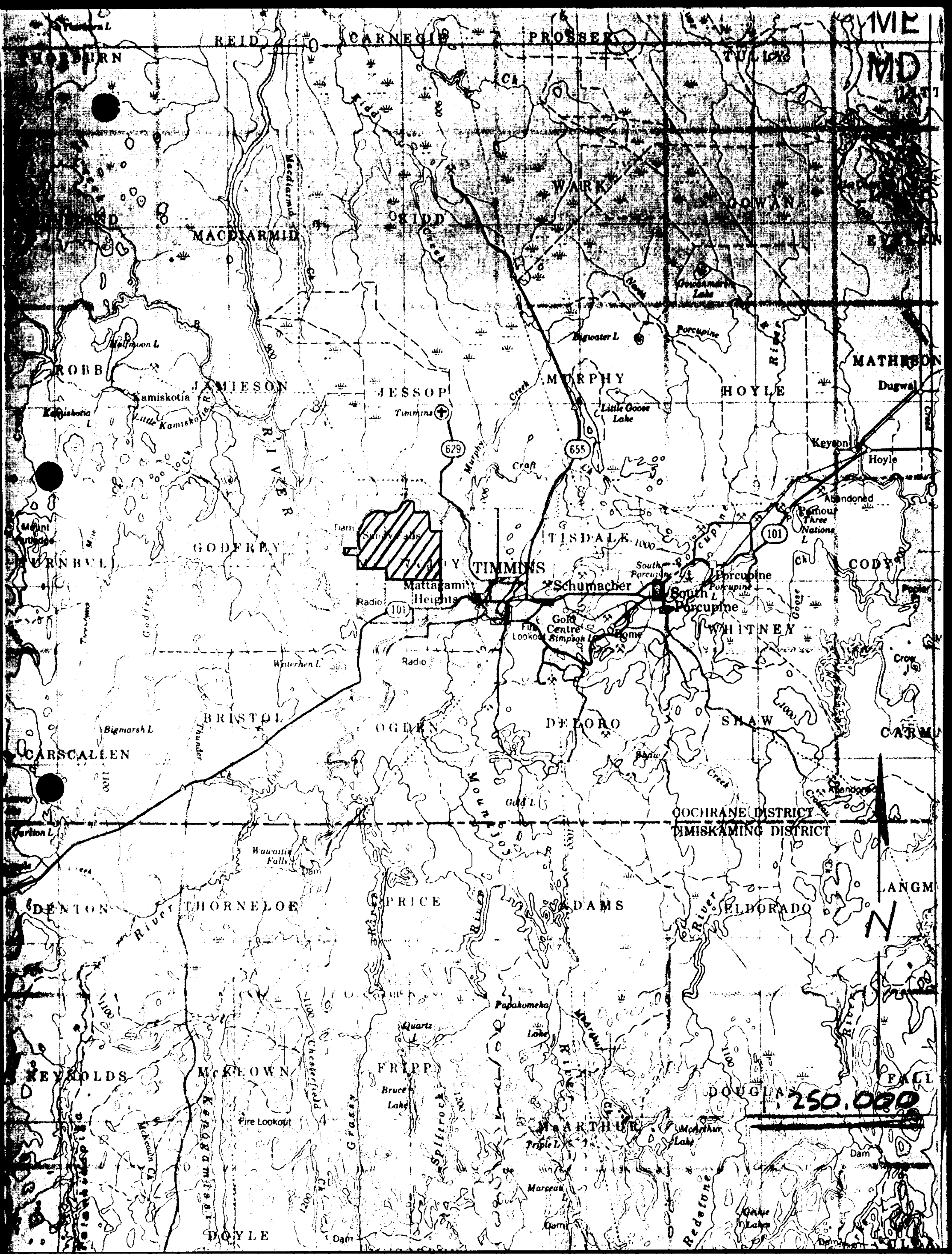
0.0 - 33.0	Clay

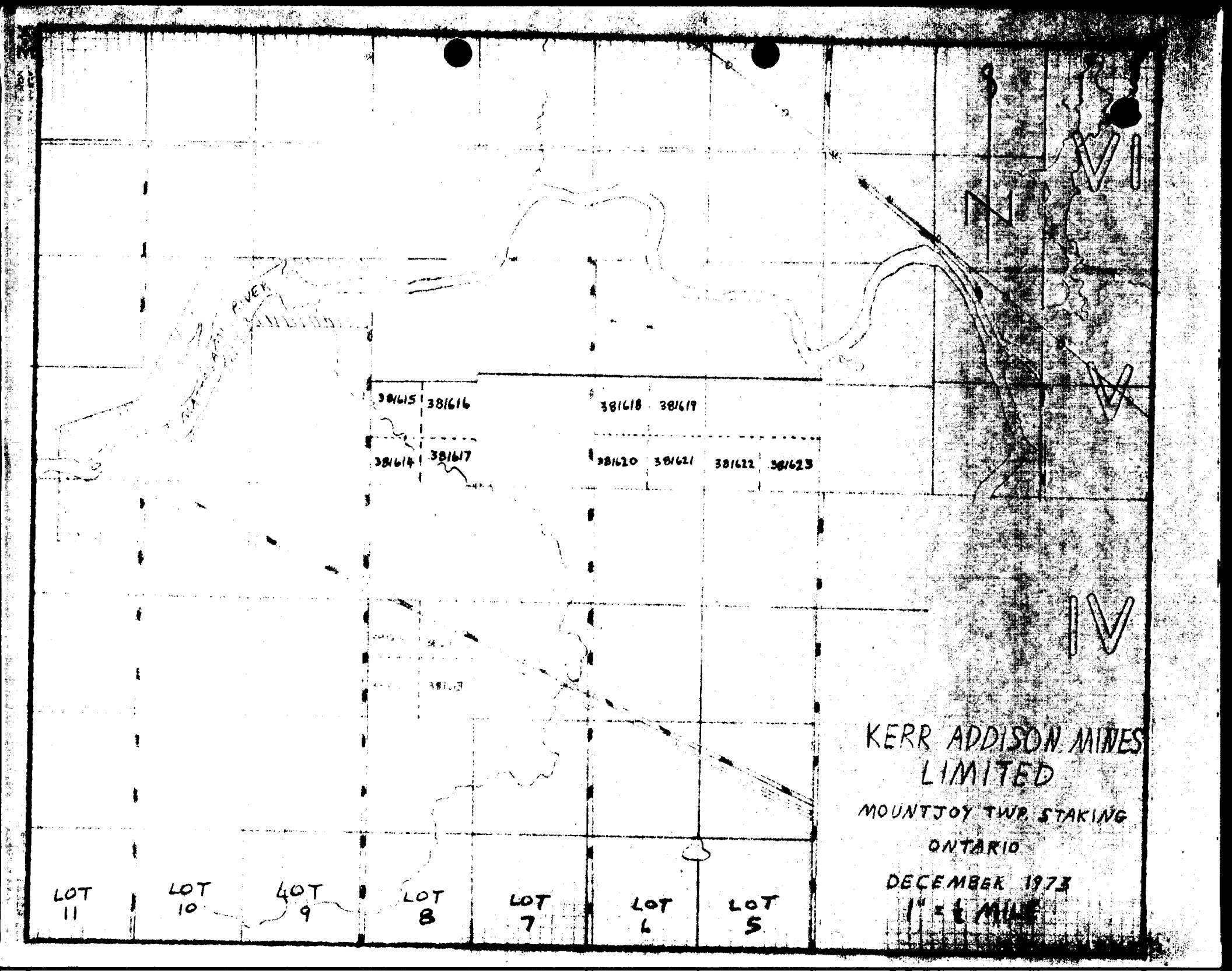
		33.0 - 35.0	Bedrock
9:30 A.M.	End of hole III-9-1		
		Hole III-9-8	
9:55 A.M.	Start drilling	0.0 - 28.0	Clay
		28.0 - 34.0	Clay and gravel
		34.0 - 38.0	Clean gravel
11:00 A.M.	Stop drilling, lost water	38.0 - 40.0	Clean gravel
11:20 A.M.		40.0 - 43.0	Lost water, bedrock
12:40 P.M.	End of hole III-9-8		
		Hole III-9-7	
1:45 P.M.	Start drilling	0.0 - 52.0	Clay
		52.0 - 69.0	Clay and gravel
		69.0 - 71.0	Bedrock
2:45 P.M.	End of hole III-9-7		
		Hole III-9-2	
3:20 P.M.	Start drilling	0.0 - 48.0	Clay
		48.0 - 56.0	Clean gravel
		56.0 - 57.0	Broken bedrock? till?
		57.0 - 59.0	Bedrock
4:00 P.M.	End of hole III-9-2		
April 1, 1974		Hole V-8-8	
8:00 A.M.	Get ready on hole V-8-8		
9:00 A.M.	Start drilling	0.0 - 10.0	Clay
		10.0 - 40.0	Sand
		40.0 - 60.0	Sand (quicksand)
		60.0 - 65.0	Sand
		65.0 - 77.0	Clay and gravel
10:30 A.M. to 11:30 A.M.	Bit blocked at 77.0 - 79.0	77.0 - 81.0	Clay
		81.0 - 85.0	Clay
		85.0 - 89.0	Clay and fine sand
		89.0 - 92.0	Coarse gravel
		92.0 - 94.0	Bedrock
1:30 P.M.	End of hole V-8-8		
		Hole V-10-5	
3:45 P.M.	Start drilling	0.0 - 26.0	Clay
4:00 P.M.	Break one head by dolic hose	26.0 - 34.0	Gravel
		34.0 - 40.0	Clay and gravel
		40.0 - 50.0	Gravel, lost water from 48.0 to 49.0
5:45 P.M.	Stop drilling		

April 2, 1974

8:00 A.M. Get ready to drill
8:30 A.M. Start drilling
8:45 A.M. to 9:30 A.M. Delay for water
10:30 A.M. End of hole V-10-5

50.0 - 55.0 Gravel
55.0 - 57.0 Bedrock


REID
CARNEGIE
PROSSER
MACDIARMID
KIDD
WARK
GOWAN
ROBB
JAMIESON
JESSOP
MURPHY
HOYLE
MATHESON
Kamiskotia
Little Kamiskotia
RIVER
Timmins
629
655
Little Goose Lake
Bigwater L
Porcupine
Dugwal
Keyson
Hoyle
Craft
GODFREY
TISDALE
TIMMINS
Schumacher
South Porcupine
Porcupine
Mattagami Heights
Radio
101
Gold Centre
Fire Lookout
Simpson L
Dome
WHITNEY
CODY
Pamour
Three Nations L
Abandoned
Waterhen L
BRISTOL
OGDEN
DELORO
SHAW
CARSCALLEN
Bigmarsh L
Thunder
Shaw
Creek
Gold L
COCHRANE DISTRICT
TIMISKAMING DISTRICT
Wawaitin Falls
Dam
DENTON
THORNELOE
PRICE
ADAMS
ELDORADO
River
Papakomeka Lake
Quartz L
REYNOLDS
McKEOWN
FRIPP
Bruce Lake
DOUGLAS
Fire Lookout
Kenogamisi
Chesterfield
Grassy
Splitrock
McARTHUR
McArthur Lake
Triple L
Marceau
Redstone
DOYLE
Dam
N
1:250,000
ME
MD


381615
381616
381618
381619
381614
381617
381620
381621
381622
381623
VI
V
IV
KERR ADDISON MINES
LIMITED
MOUNTJOY TWP. STAKING
ONTARIO
DECEMBER 1973
1" = ½ MILE
LOT 11
LOT 10
LOT 9
LOT 8
LOT 7
LOT 6
LOT 5

II | IV | IV | V

IV-11-7.

clay

122
123 qv

41.5'

1" = 20'

1" = 850'

1600
800
P.P.M. 400
OR 200
P.P.B. 100
50
25
12½
6¼
0

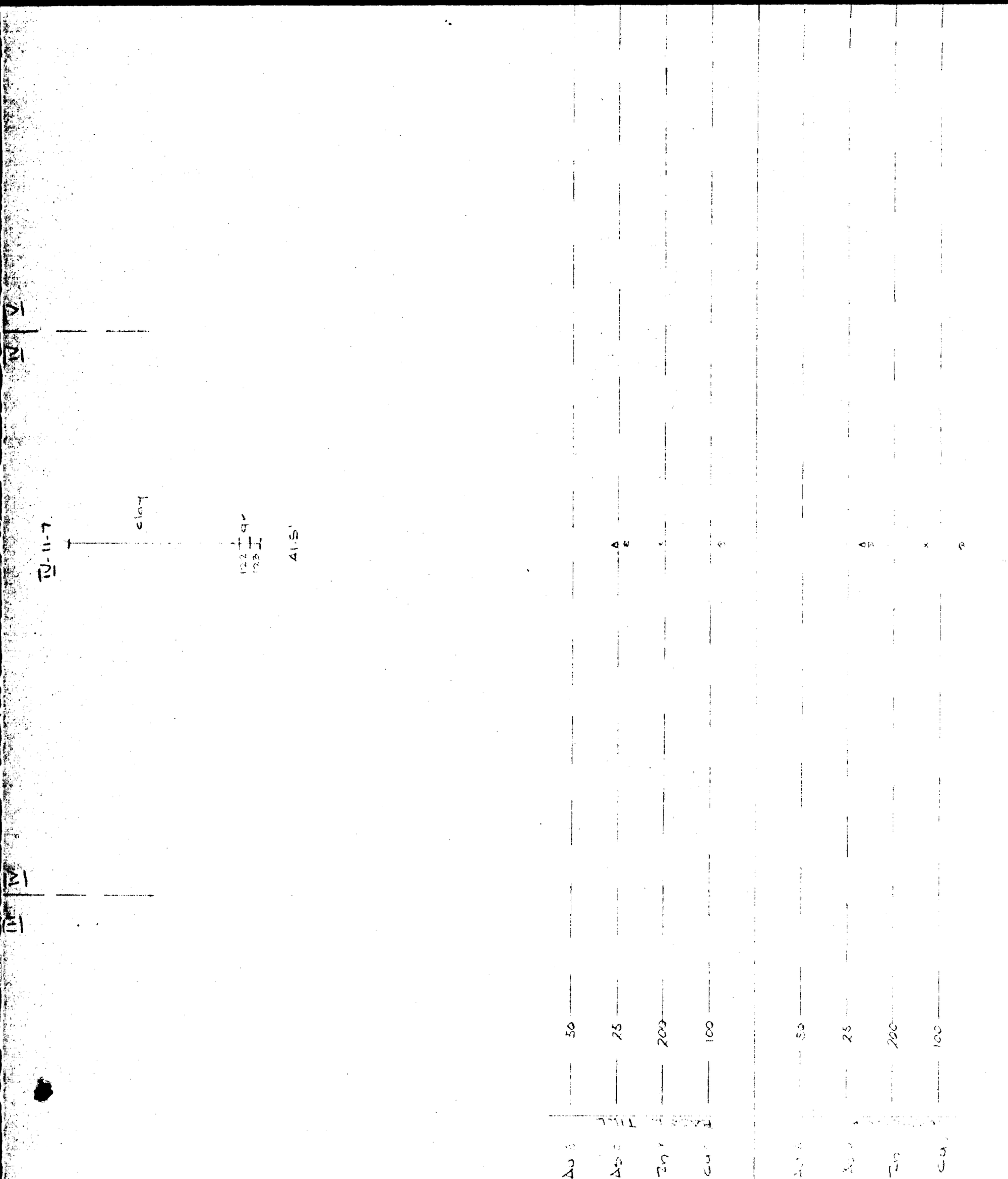
50
25
200
100

50
25
200
100

KERR ADDISON MINES LIMITED
MOUNTJOY PROJECT
Mountjoy Twp. Ontario

GEOCHEM PROFILE
LOT 11 - WEST HALF
Scale: as shown April 76
G. Hinse
G. Hinse

2.1689


clay
41.5'
50
25
200
100
50
25
200
100

IV-11-2

clay

fine sand

gr

no return
gr
no return

no return

fine sand

gr
fine sand

120
121
+111

102'

1" = 20'

1" = 800'

1600
800
p.p.m. 400
or 200
p.p.b. 100
50
25
12½
6¼
0

50
25
200
100

50
25
200
100

KERR ADDISON MINES LIMITED
MOUNTJOY PROJECT "O-11"
Mountjoy Twp. Ontario

GEOCHEM PROFILE
LOT 11 - EAST HALF
Scale: as shown April 74
G. Hinse
G. Hinse

clay

fine sand

gr

no return
gr
no return

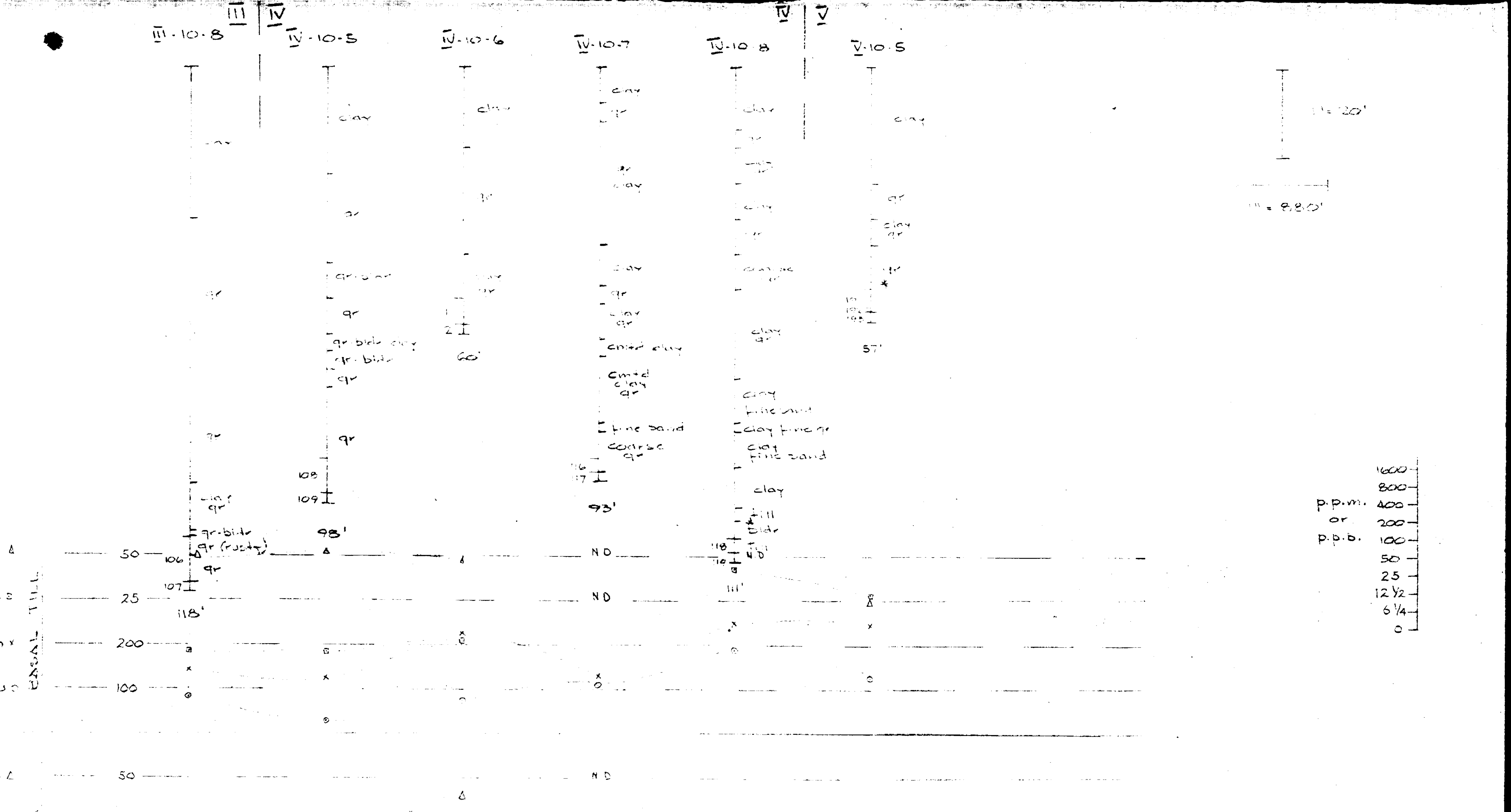
no return

fine
sand

gr
fine
sand

120
121 till

102'



KERR ADDISON MINES LIMITED
MOUNTJOY PROJECT "O-11"
Mountjoy Twp. Ontario

GEOCHEM PROFILE
LOT 10 - WEST HALF
Scale: as shown April 74
G. Hinse
G. Hinse

III | IV

III-10-8

IV-10-5

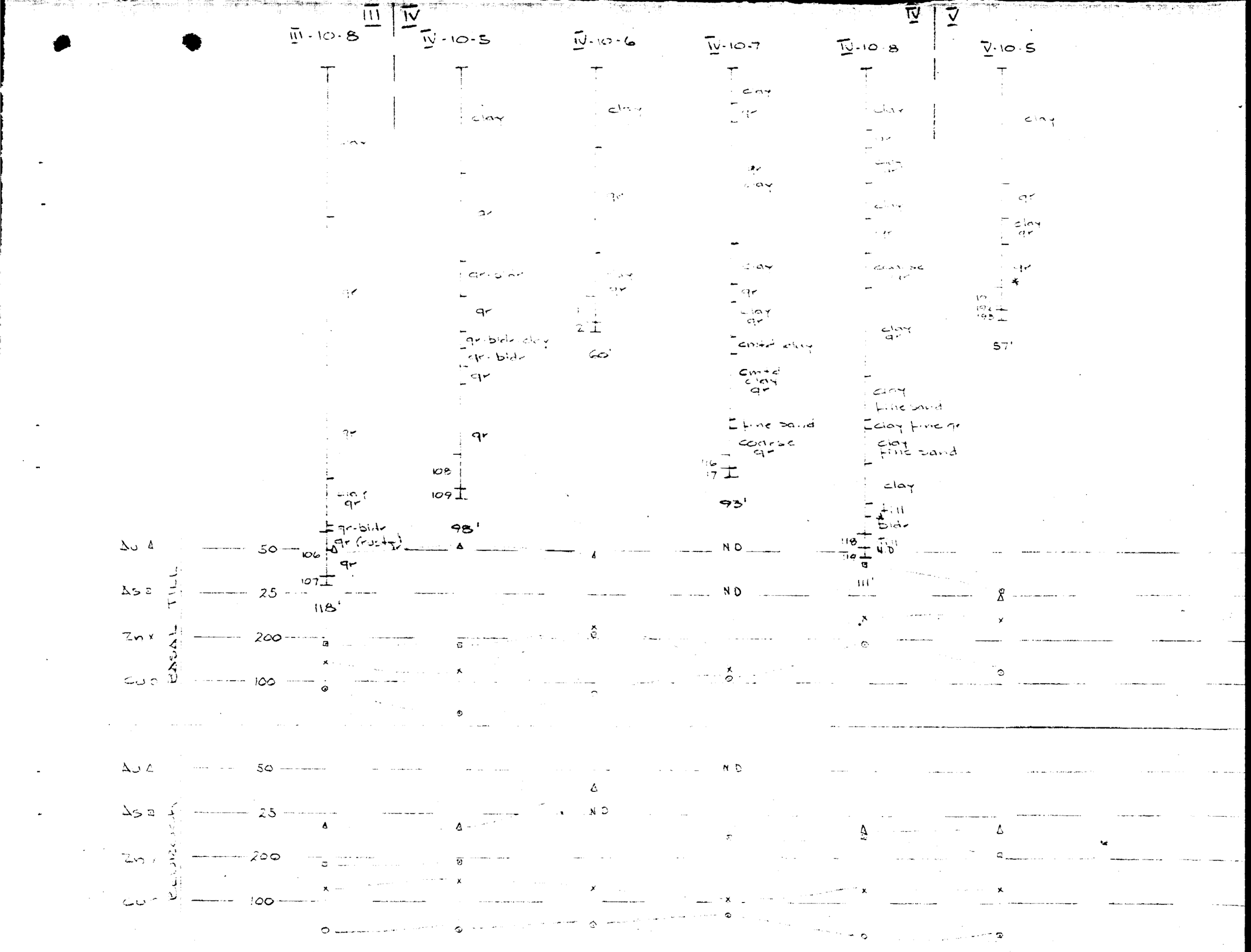
IV-10-6

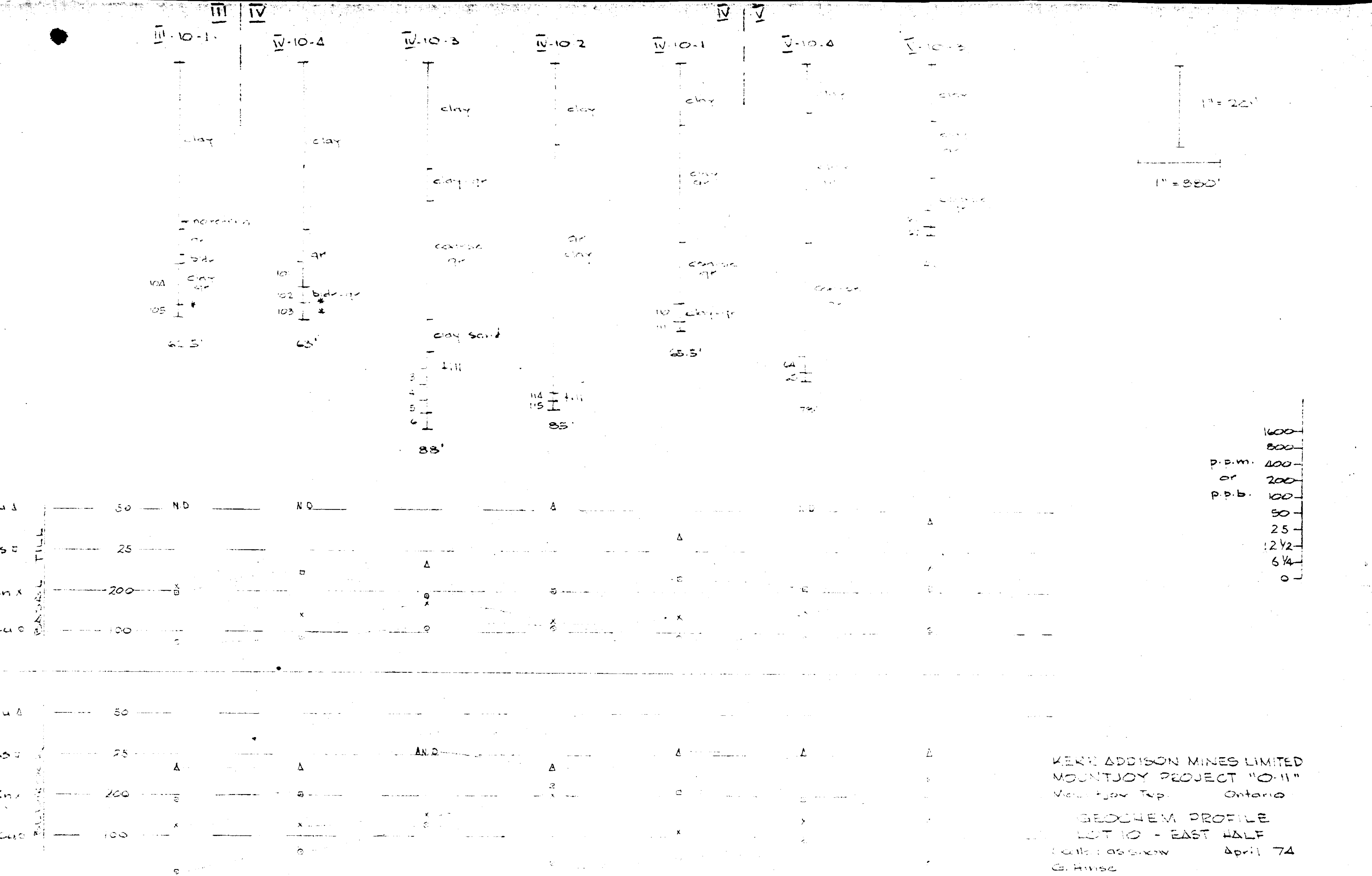
IV-10-7

IV | V

IV-10-8

V-10-5





KERR ADDISON MINES LIMITED
MOUNTJOY PROJECT "O-11"
Mountjoy Twp. Ontario

GEOCHEM PROFILE
LOT 10 - EAST HALF

Scale: as shown April 74
G. Hinse
G. Hinse

III | IV

III-10-1

clay

clay gr

10A

105

62.5'

IV-10-4

clay

gr

101

102 bldr-gr

103

63'

IV-10-3

clay

clay gr

coarse gr

clay sand

3

4

5

6

88'

IV-10-2

clay

gr clay

114

115

85'

IV | V

IV-10-1

clay

clay gr

coarse gr

110

68.5'

V-10-4

clay

coarse gr

64

65

79'

V-10-3

clay

clay gr

coarse gr

Δu Δ — 50 — N.D — N.D — Δ — N.D

Δs □ — 25

Zn x — 200

Cu ○ — 100

Δu Δ — 50

Δs □ — 25 — AN.D

Zn x — 200

Cu ○ — 100

III | IV

III-9-7

clay

clay gr

184
185
186

71'

III-9-8

clay

clay gr

gr

181
182
183

43'

IV

IV-9-5

clay

gr

gr-bldr

100

61.5'

IV-9-6

clay

clay gr

7
8

40'

IV-9-7

clay

gr

112
113

45'

IV | V

IV-9

clay

clay-gr

68
69

+.11

36'

1" = 20'

1" = 880'

1600
800
400
200
100
50
25
12½
6¼
0

p.p.m or p.p.b

RESIDUAL TILL

50
25
200
100

DEVIATION

50
25
200
100

N.D.

KERR ADDISON MINES LIMITED
MOUNTJOY PROJECT "O-11"
Mountjoy Twp. Ontario

GEOCHEM PROFILE
LOT 9 - WEST HALF

Scale: as shown April 74
G. Hinse

G. Hinse

III-9-7

clay

clay gr

184
185
186

71'

III-9-8

clay

clay gr

gr

181
182
183

43'

IV-9-5

clay

gr

100

gr-blder

61.5'

IV-9-6

clay

clay gr

7
8

40'

IV-9-7

clay

gr

112
113

45'

IV-9-

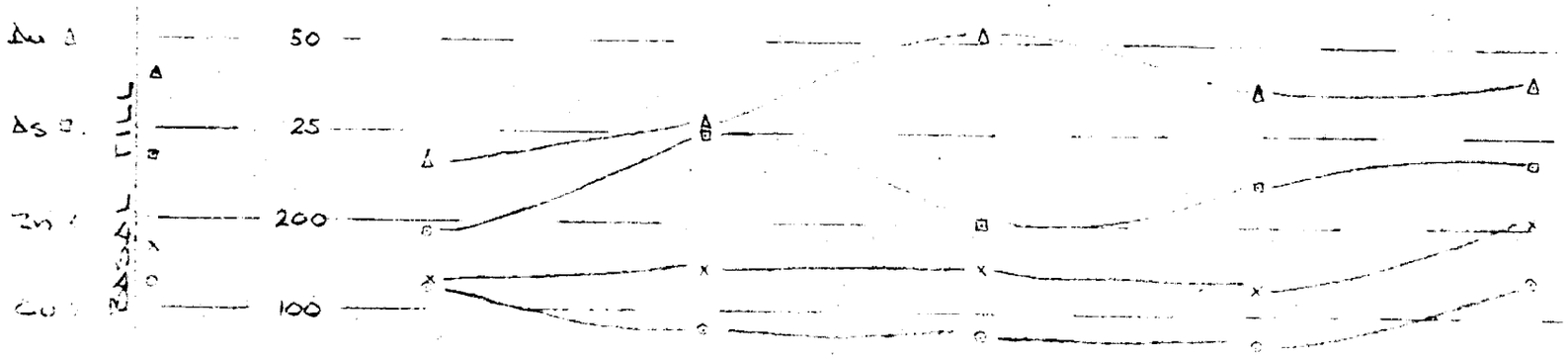
clay

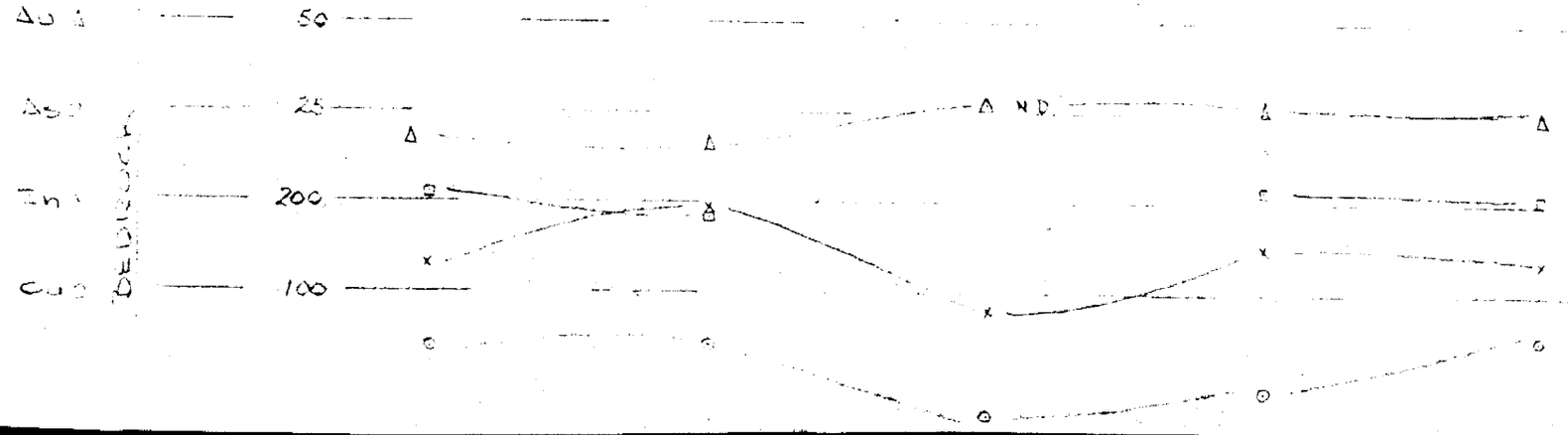
clay-gr

68
69

+.11

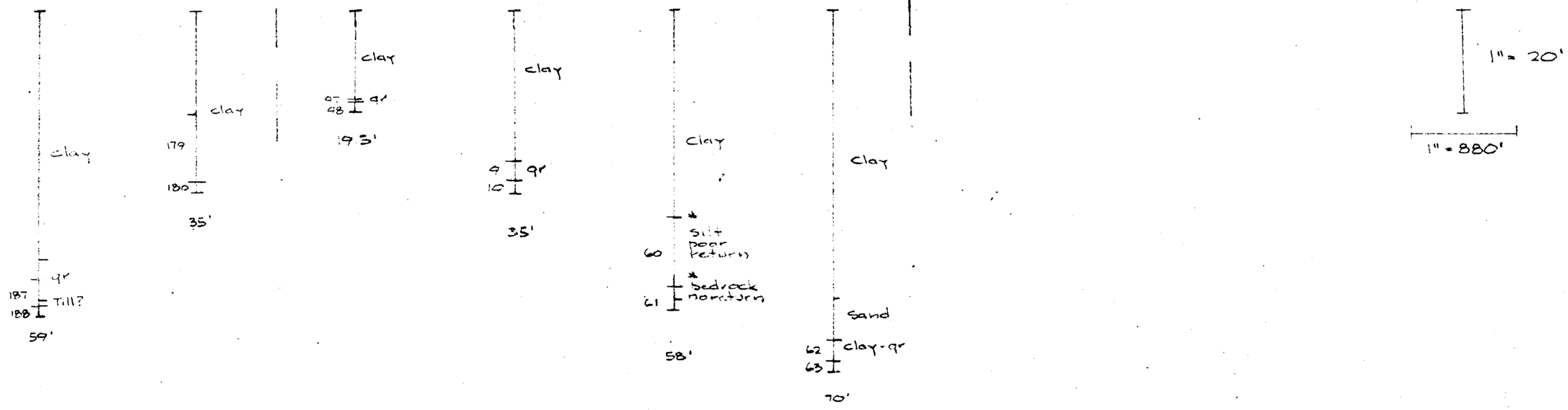
36'

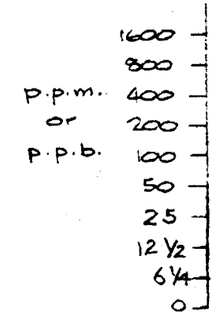


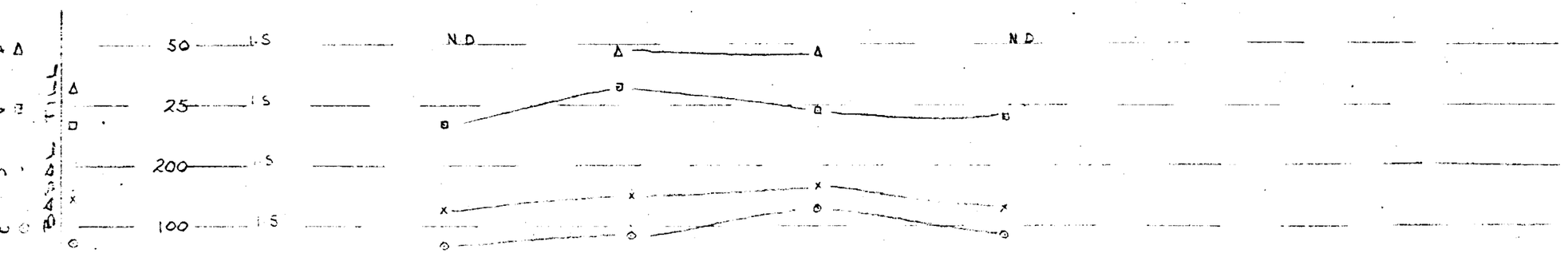


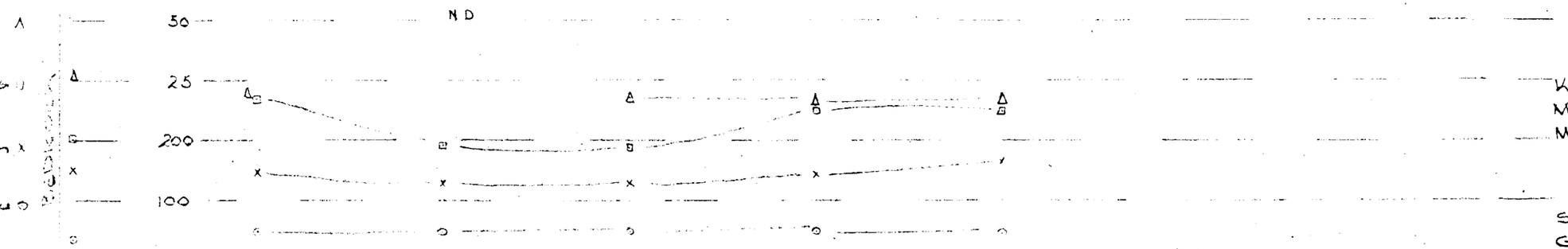
III IV IV V

II-9-2 | III-9-1 | IV-9-4 | IV-9-3 | IV-9-2 | IV-9-1









KERR ADDISON MINES LIMITED
MOUNTJOY PROJECT "10-11"
Mountjoy Twp. Ontario

GEOCHEM PROFILE
LOT 9 - EAST HALF

Scale: as shown April '74
G. Hinse
G. Hinse

III | IV

III-9-2

clay

gr

187 Till?

188

59'

III-9-1

clay

179

180

35'

IV

IV-9-4

clay

97 gr

98

19 3'

IV-9-3

clay

9 gr

10

35'

IV | V

IV-9-2

clay

*

silt + poor return

60

*

bedrock no return

61

58'

IV-9-1

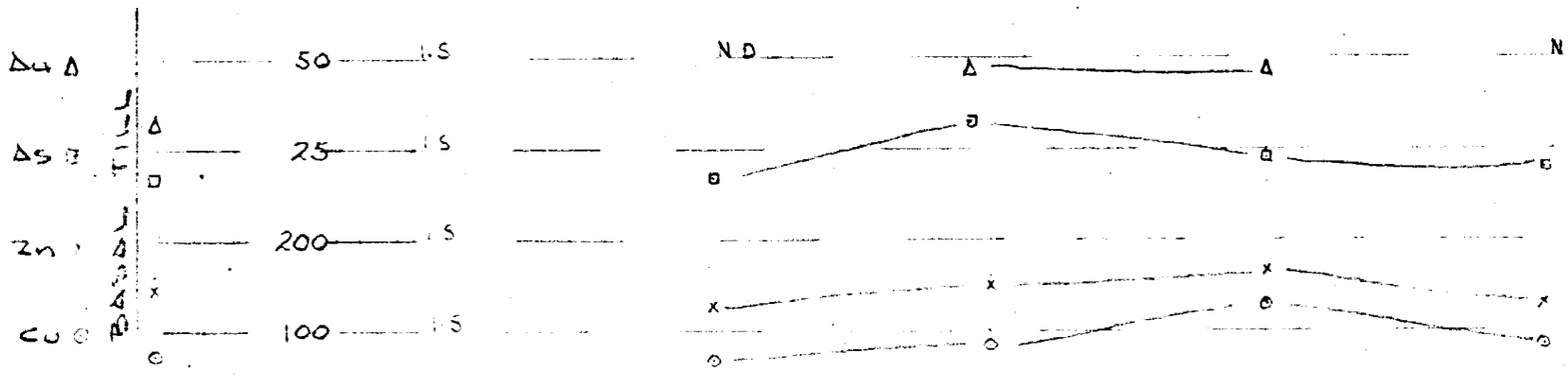
clay

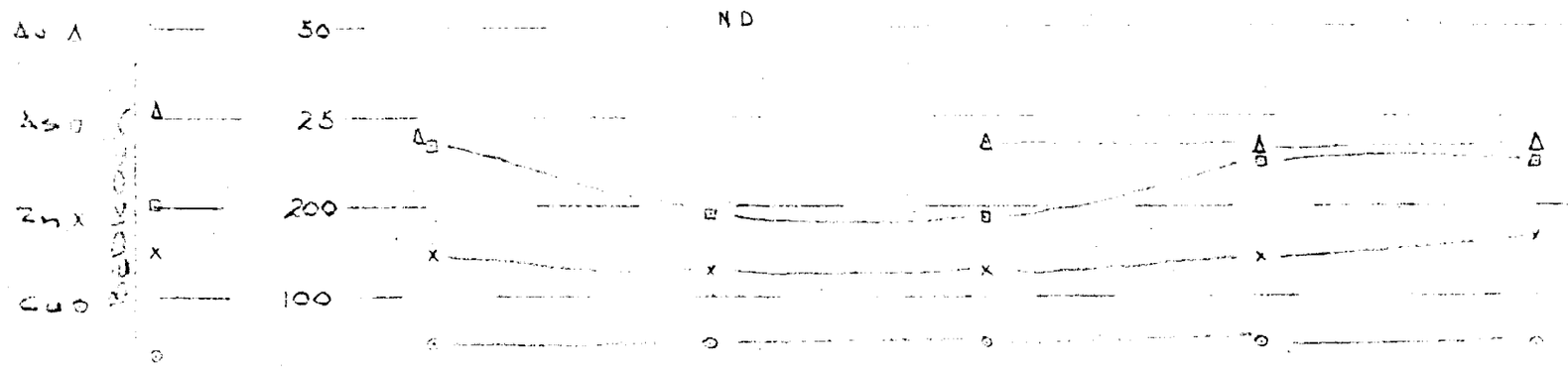
sand

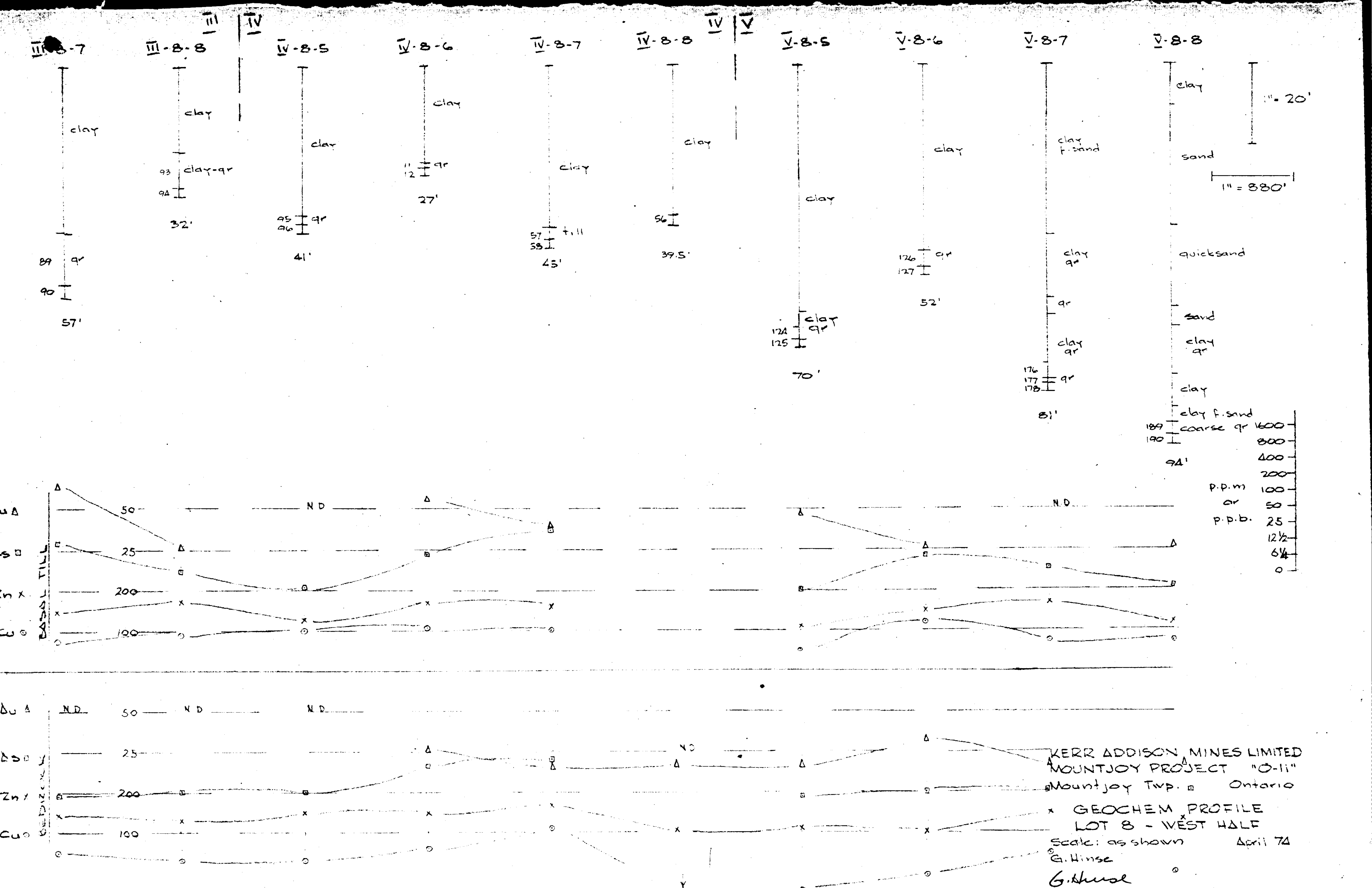
62 clay-gr

63

70'






III-8-7
III-8-8
IV-8-5
IV-8-6
IV-8-7
IV-8-8
V-8-5
V-8-6
V-8-7
V-8-8
1" = 20'
1" = 880'
p.p.m or p.p.b.
BASAL TILL
KERR ADDISON MINES LIMITED
MOUNTJOY PROJECT "O-11"
Mountjoy Twp. Ontario
GEOCHEM PROFILE
LOT 8 - WEST HALF
Scale: as shown April 74
G. Hinse

III | IV | V

III-8-7

clay

89 gr

90

57'

III-8-8

clay

93 clay-gr

94

32'

IV-8-5

clay

95 gr

96

41'

IV-8-6

clay

11 gr

12

27'

IV-8-7

clay

57 t.11

58

45'

IV-8-8

clay

56

39.5'

V-8-5

clay

clay

124 gr

125

70'

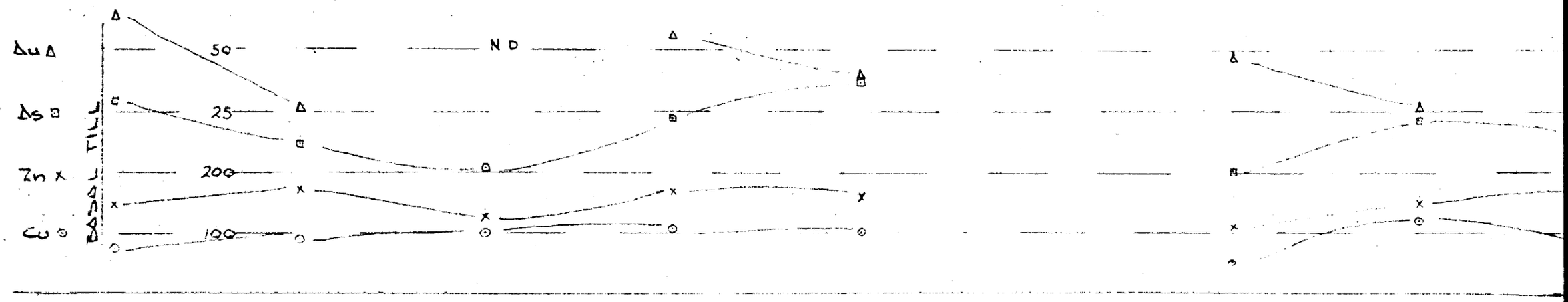
V-8-6

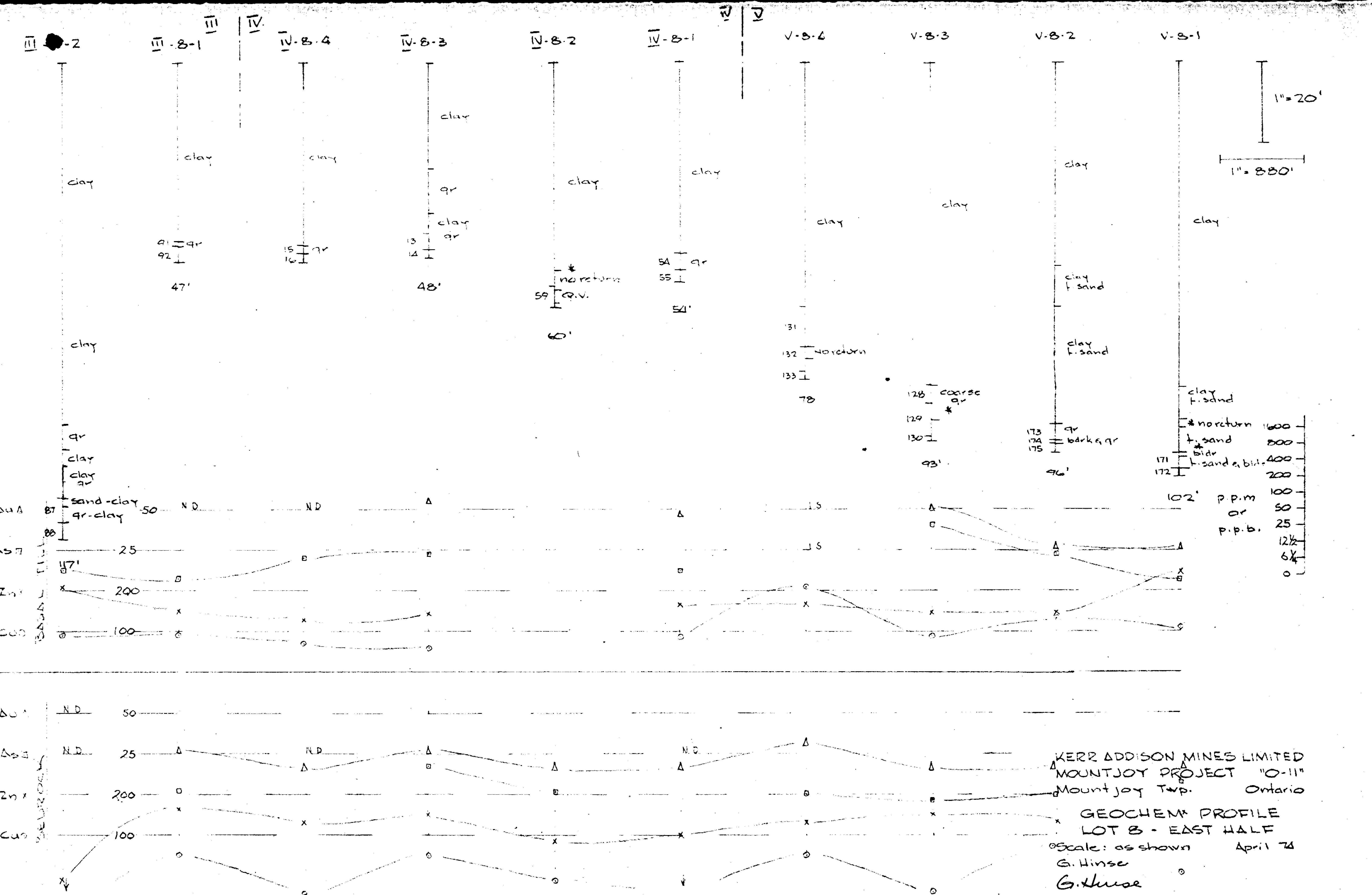
clay

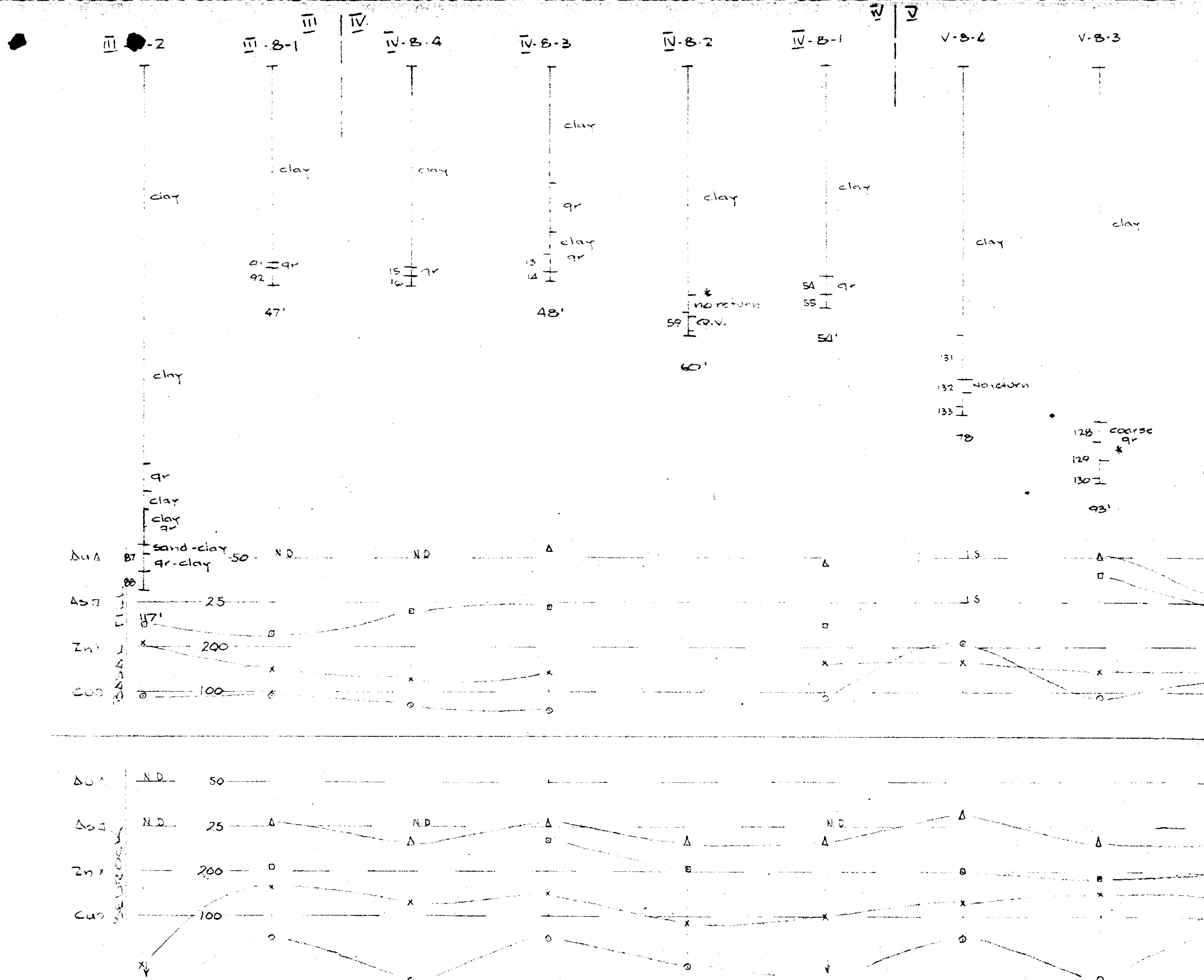
126 gr

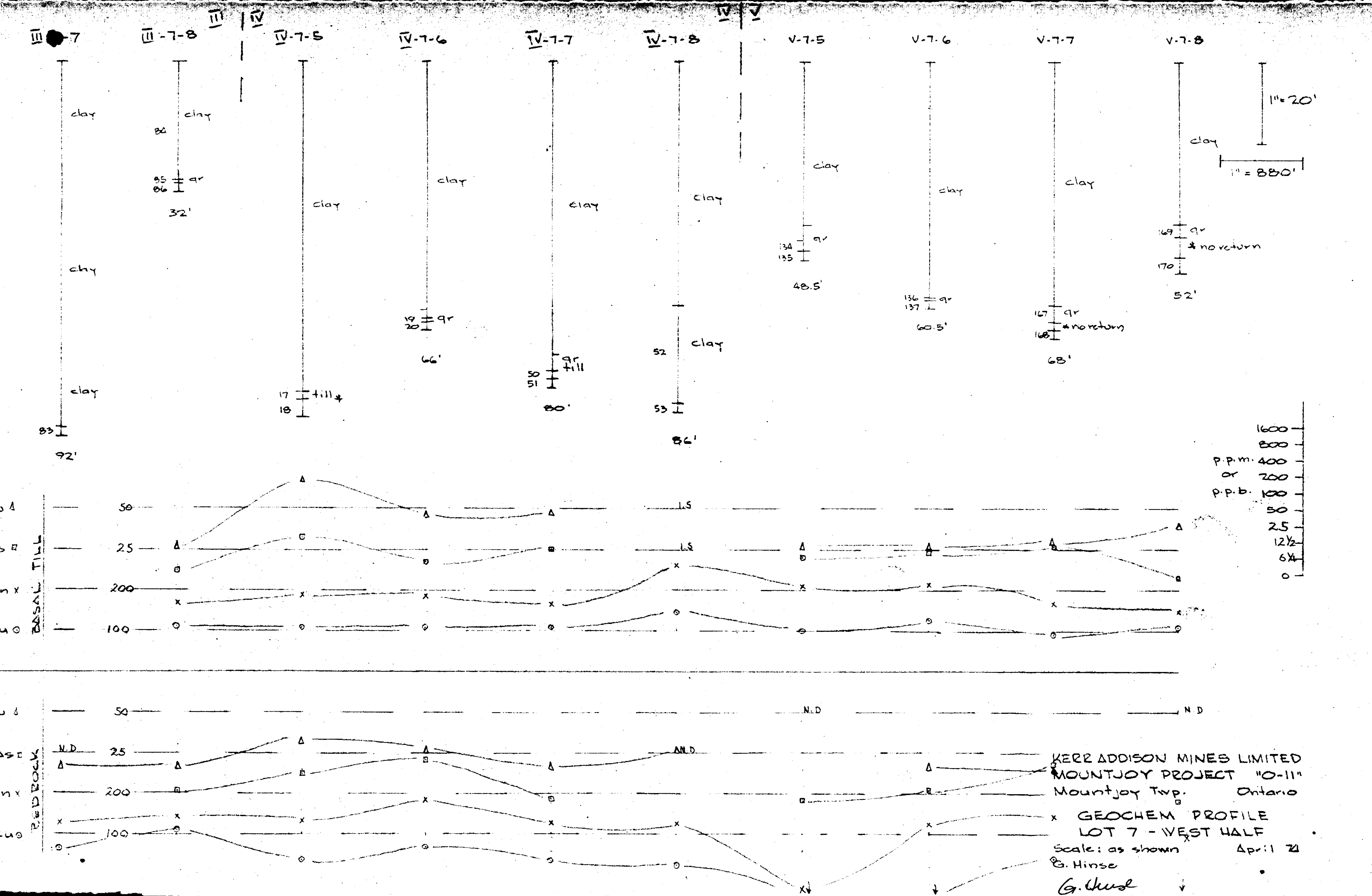
127

52'




III-8-2
III-8-1
IV-8-4
IV-8-3
IV-8-2
IV-8-1
V-8-4
V-8-3
V-8-2
V-8-1
1" = 20'
1" = 880'
clay
gr
sand-clay
gr-clay
47'
48'
no return
Q.V.
60'
54'
78
coarse gr
93'
clay + sand
dark gr
96'
bldr
+ sand & bldr
102'
1600
800
400
200
100
50
25
12½
6¼
0
p.p.m or p.p.b.
N.D.
I.S.
KERR ADDISON MINES LIMITED
MOUNTJOY PROJECT "O-11"
Mountjoy Twp. Ontario
GEOCHEM PROFILE
LOT 8 - EAST HALF
Scale: as shown April 74
G. Hinse


III-8-2
III-8-1
IV-8-4
IV-8-3
IV-8-2
IV-8-1
V-8-4
V-8-3
clay
gr
sand-clay
gr-clay
no return
coarse gr
47'
48'
60'
54'
78
93'
117'
N.D.
Au
As
Zn
Cu
50
25
200
100



III-7-7
III-7-8
IV-7-5
IV-7-6
IV-7-7
IV-7-8
V-7-5
V-7-6
V-7-7
V-7-8
clay
gr
till
* no return
92'
32'
66'
80'
86'
48.5'
60.5'
68'
52'
1" = 20'
1" = 880'
p.p.m. or p.p.b.
1600
800
400
200
100
50
25
12½
6¼
0
BASAL TILL
BEDROCK
L.S
N.D
KERR ADDISON MINES LIMITED
MOUNTJOY PROJECT "O-11"
Mountjoy Twp. Ontario
GEOCHEM PROFILE
LOT 7 - WEST HALF
Scale: as shown April 71
G. Hinse

III | IV | IV | V

III-7

clay

clay

83

92'

III-7-8

clay

80

85
86

gr

32'

IV-7-5

clay

17
18

till *

IV-7-6

clay

19
20

gr

66'

IV-7-7

clay

gr
till

50
51

80'

IV-7-8

clay

52

clay

53

86'

V-7-5

clay

134
135

gr

48.5'

V-7-6

clay

136
137

gr

60.5'

BASAL TILL

Δu Δ — 50

Δs □ — 25

Zn x — 200

Cu ○ — 100

I.S

I.S

BEDROCK

Δu Δ — 50

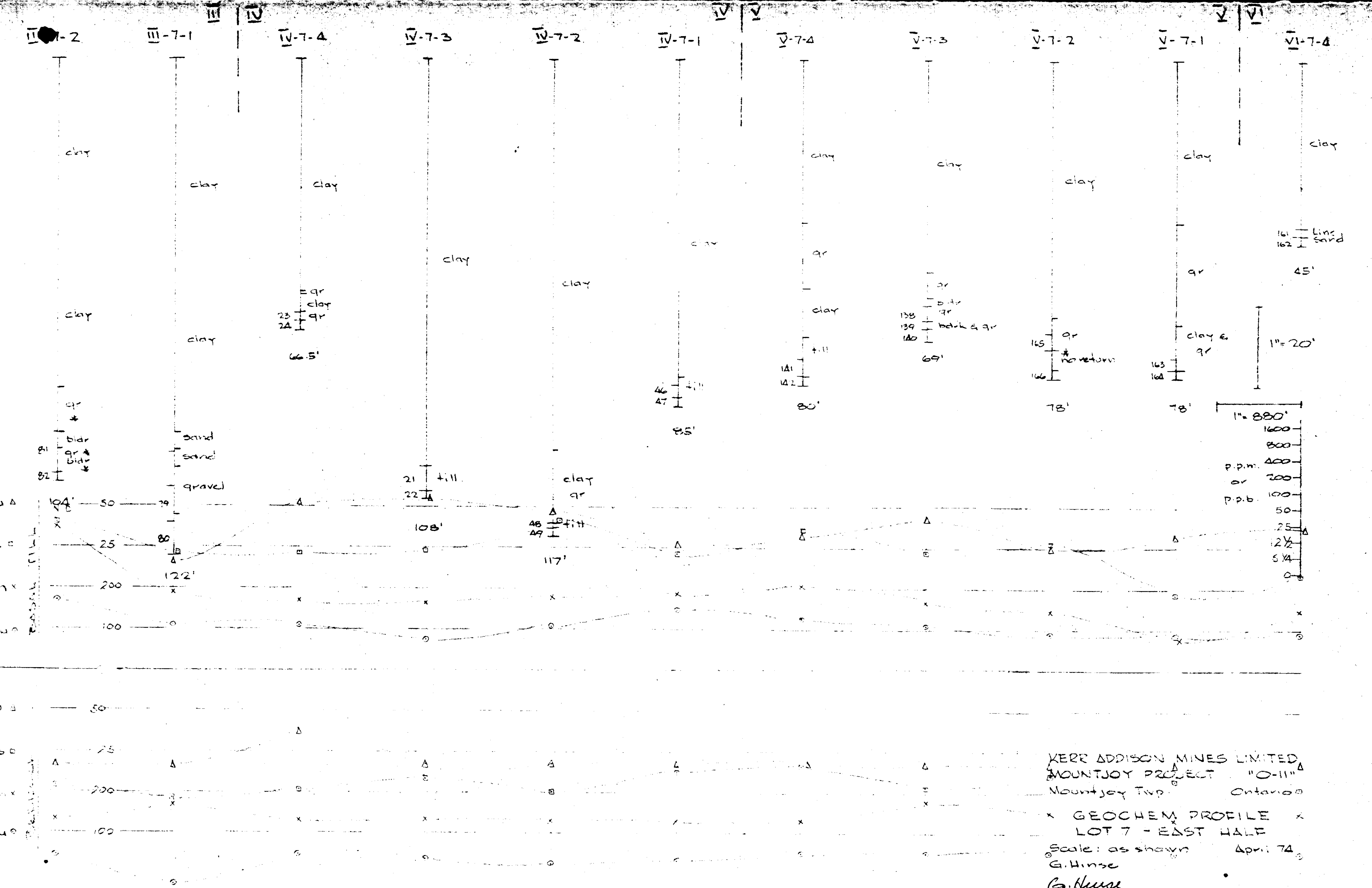
Δs □ — N.D 25

Zn x — 200

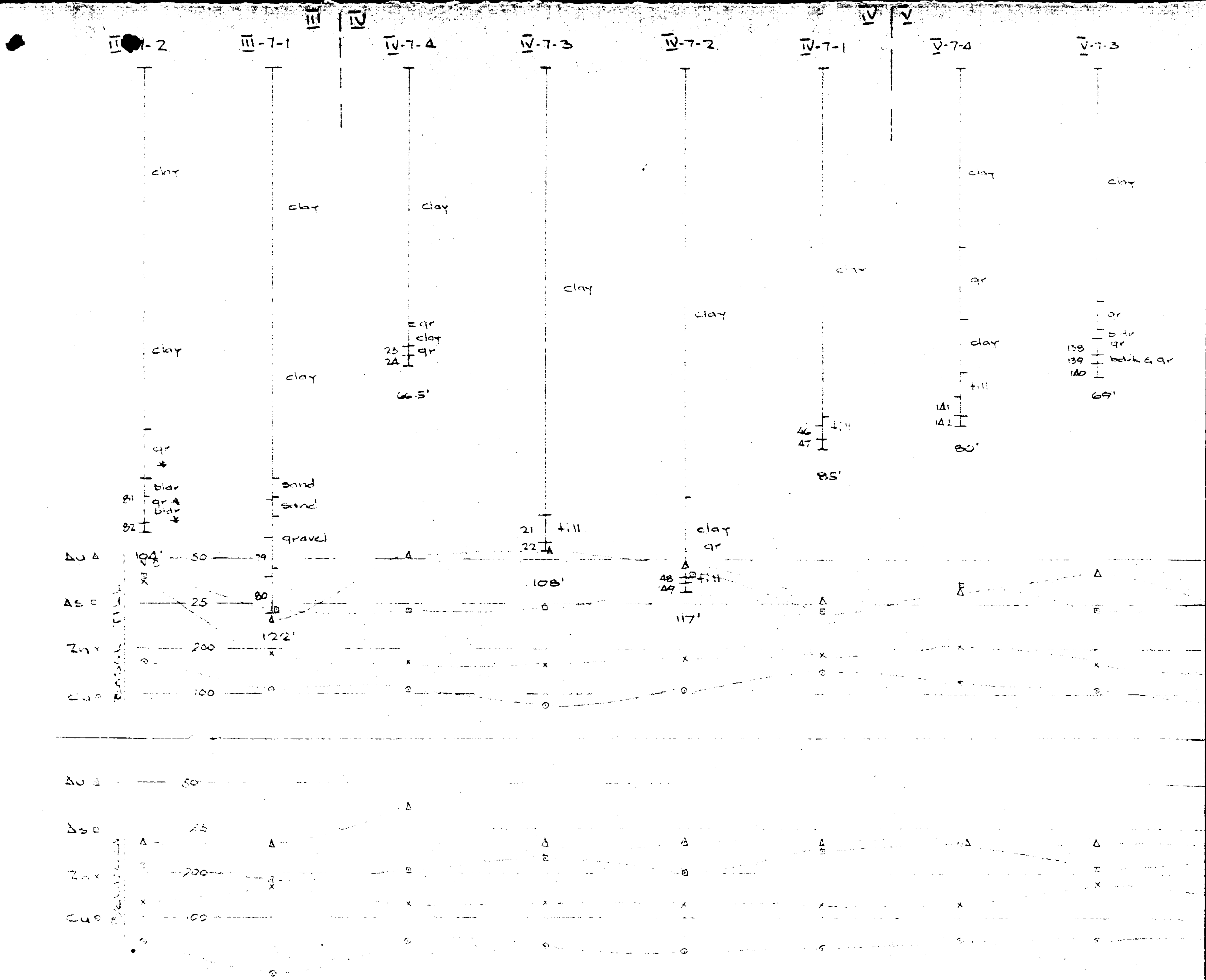
Cu ○ — 100

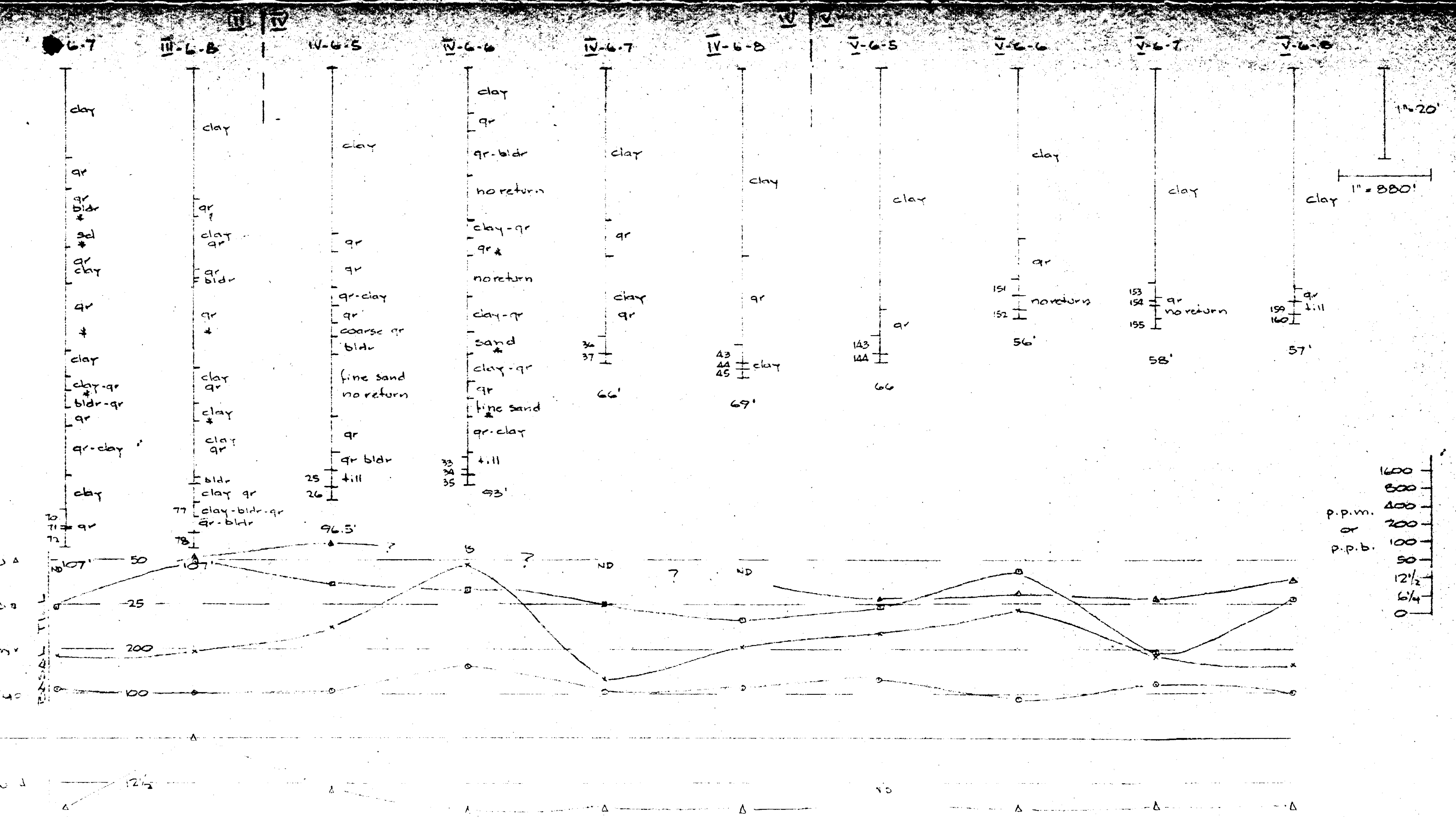
N.D

N.D



III-7-2
III-7-1
IV-7-4
IV-7-3
IV-7-2
IV-7-1
V-7-4
V-7-3
V-7-2
V-7-1
VI-7-4
clay
gr
bldr
gravel
sand
till
104'
122'
66.5'
108'
117'
85'
80'
69'
78'
45'
no return
1" = 20'
1" = 880'
p.p.m. or p.p.b.
1600
800
400
200
100
50
25
12½
5¼
0
50
25
200
100
KERR ADDISON MINES LIMITED
MOUNTJOY PROJECT "O-11"
Mountjoy Twp. Ontario
GEOCHEM PROFILE
LOT 7 - EAST HALF
Scale: as shown April 74
G. Hinse

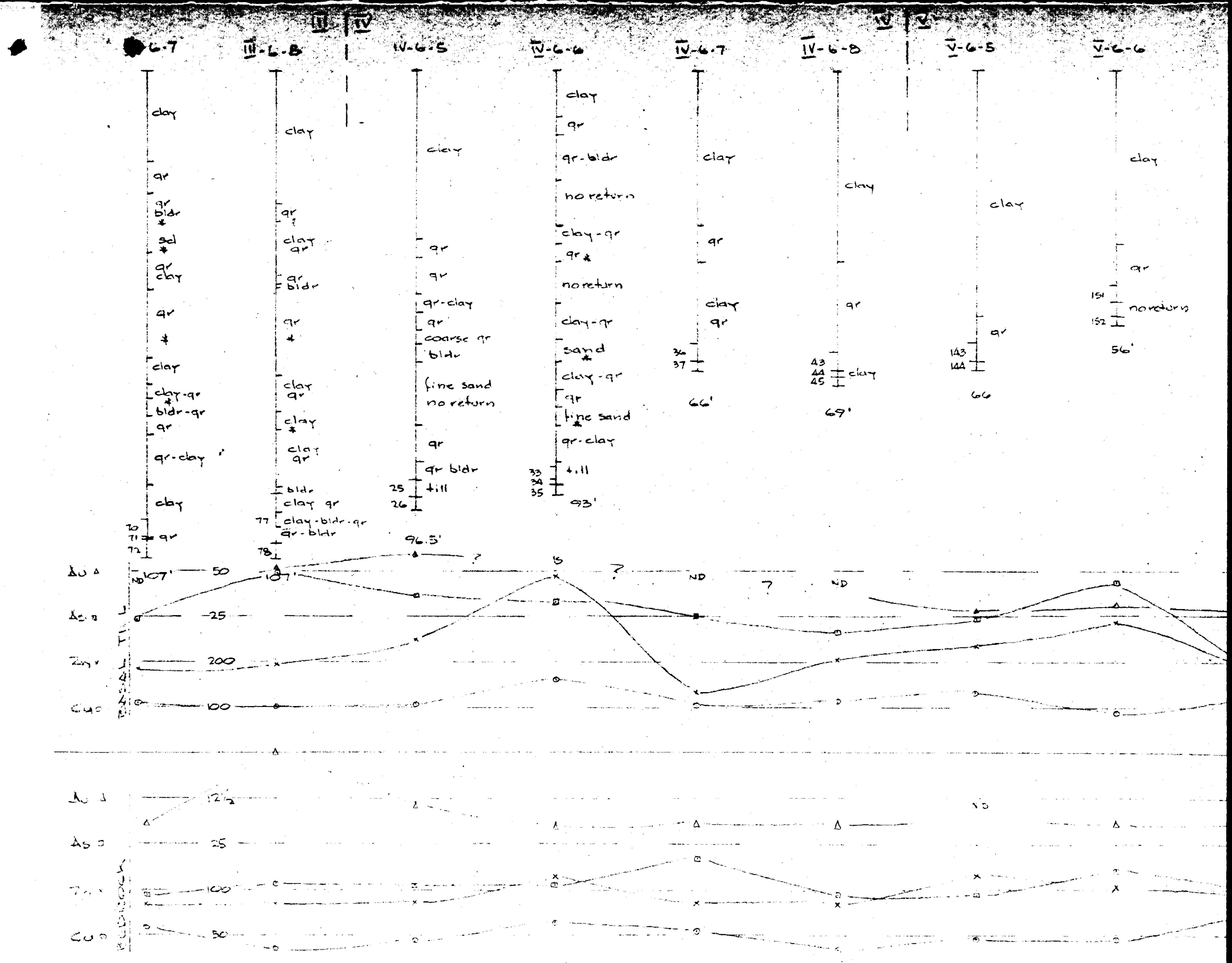

III | IV
IV | V
III-7-1
IV-7-4
IV-7-3
IV-7-2
IV-7-1
V-7-4
V-7-3
clay
gr
bldr
sand
gravel
fill
bdck & gr
66.5'
104'
122'
108'
117'
85'
80'
69'
Au
As
Zn
Cu
50
25
200
100



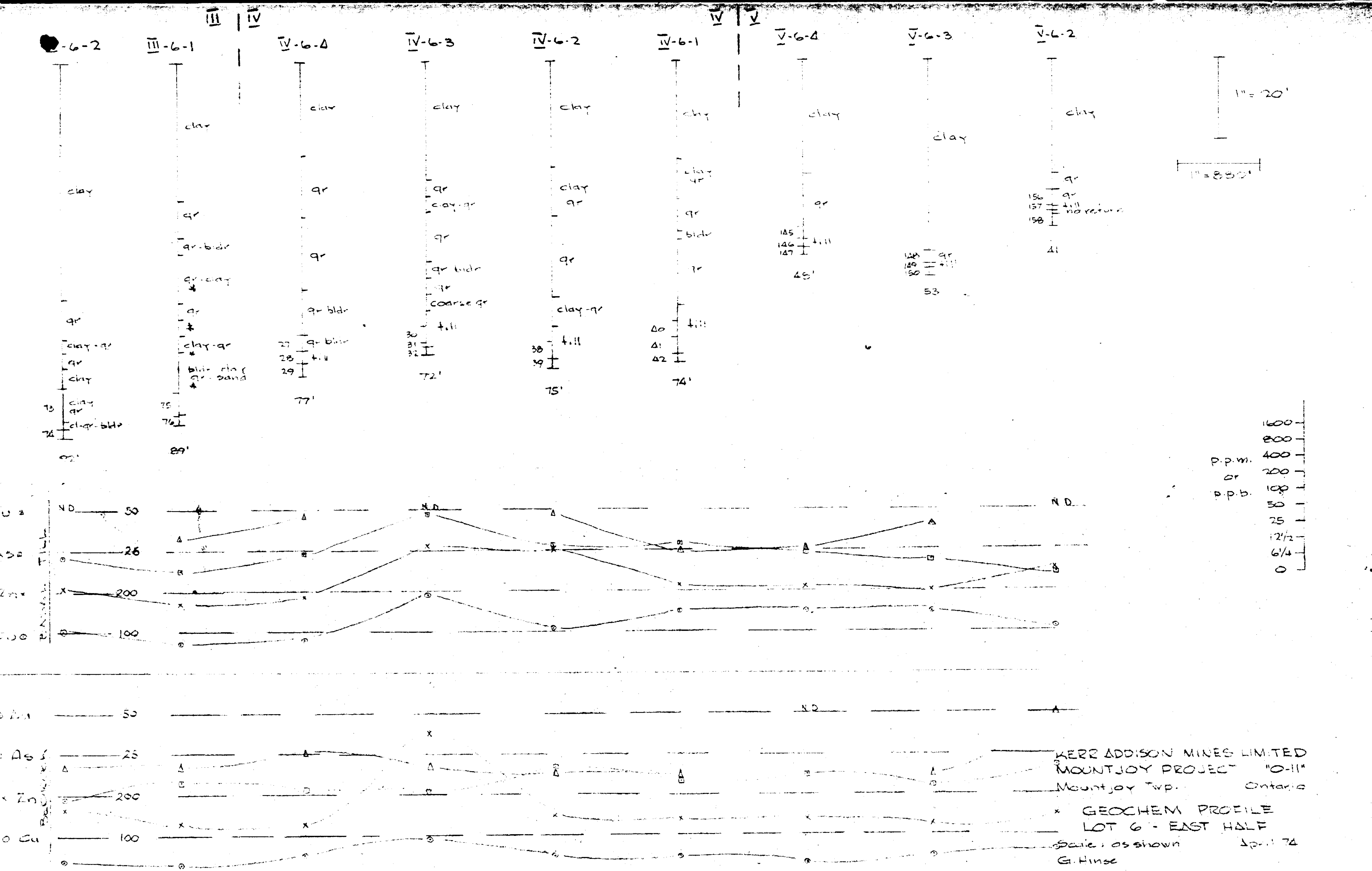
KERR ADDISON MINES LIMITED
MOUNTJOY PROJECT "O-11"
Mountjoy Twp. Ontario

GEOCHEM PROFILE
LOT 6 - WEST HALF

Scale: as shown April 74
G. Hinse
G. Hinse



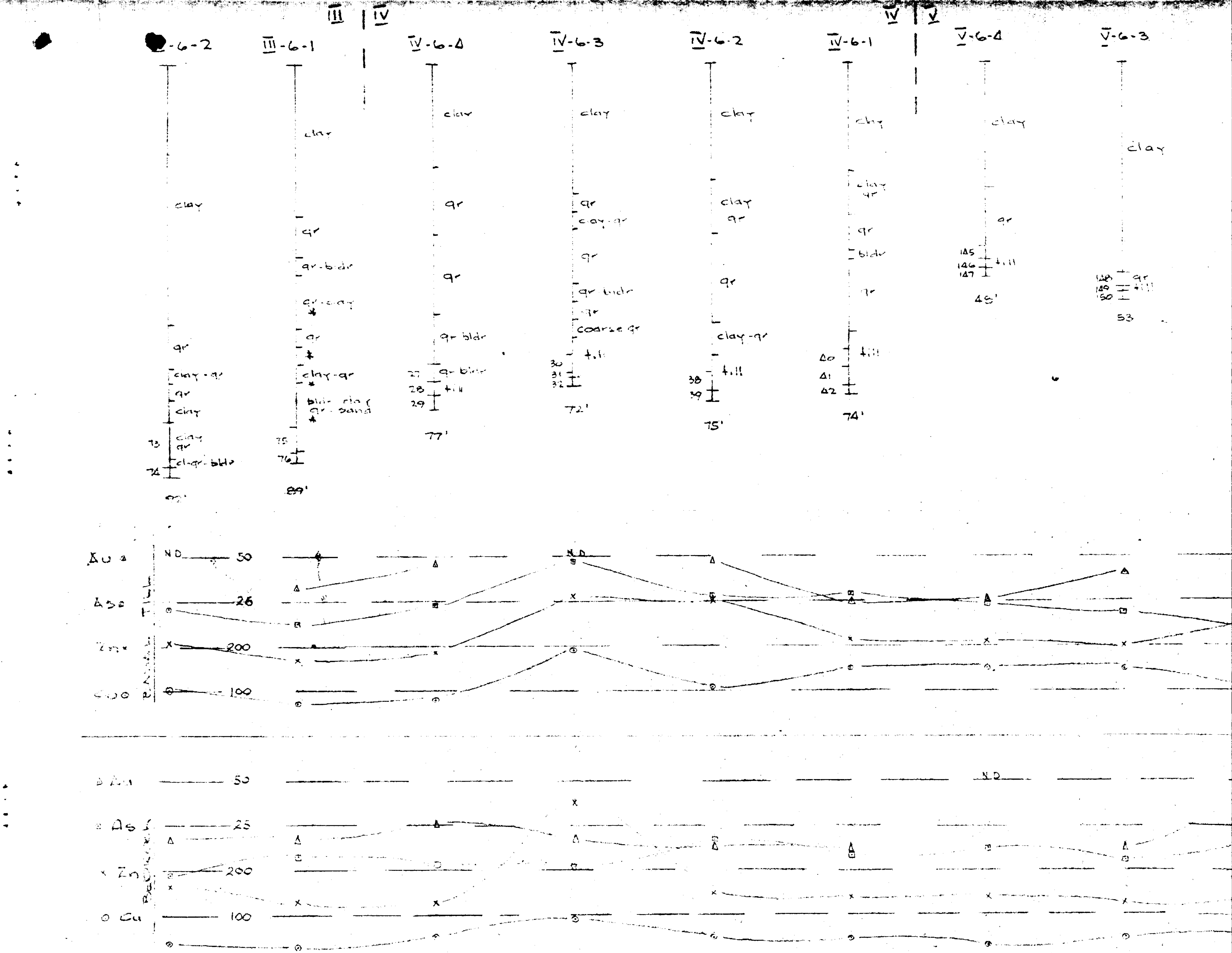
III
IV
V
6-7
III-6-8
IV-6-5
IV-6-6
IV-6-7
IV-6-8
V-6-5
V-6-6
clay
gr
gr bldr
sd
gr clay
clay-gr
bldr-gr
gr-clay
clay gr
bldr
clay-bldr-gr
gr-bldr
gr-bldr
no return
clay-gr
gr-clay
coarse gr
fine sand
sand
till
96.5'
93'
66'
69'
66
56'
107'
ND
?
Au
As
Zn
Cu
50
25
200
100
12½



KERR ADDISON MINES LIMITED
MOUNTJOY PROJECT "O-11"
Mountjoy Twp. Ontario

GEOCHEM PROFILE
LOT 6 - EAST HALF

Scale: as shown April 74
G. Hinse
G. Hinse



III | IV
IV | V
III-6-1
IV-6-4
IV-6-3
IV-6-2
IV-6-1
V-6-4
V-6-3
clay
gr
gr-bldr
gr-clay
clay-gr
clay gr
clay-gr-bldr
bldr clay gr sand
gr bldr
till
coarse gr
clay-gr
145
146
147
148
149
150
89'
77'
72'
75'
74'
45'
53
Au
As
Zn
Cu
ND
50
25
200
100

Ministry of Natural Resources
Ontario

Lands Administration Branch

Projects Unit

Technical Assessment

File 2.1689

42A11SW0307 2.1689 MOUNTJOY

900

Recorded Holder: Kerr Addison Mines Li

Township or Area: Mountjoy Township

Type of survey and number of Assessment days credit per claim	OVERBURDEN DRILLING
Geophysical Electromagnetic _____ days Magnetometer _____ days Radiometric _____ days Induced polarization _____ days Section 86 (18) 19 & 20) see across days Geological _____ days Geochemical _____ days Man days ☐ Airborne ☐ Special provision ☐ Ground ☒	- BASAL TILL SAMPLING - Location of (12) Drill Holes: Mining Claims - P.381610 to 21 inclusive Amount spent on this part of programme = $3,650.16 Total assessment days credit allowed = 243.4 The above 12 mining claims may be grouped under Section 85(6) of The Mining Act, for the purposes of recording the work credits of 243.4 days. Leo Bruneau Approved - June 9, 1975

Notice of Intent to be issued:

☐ Credits have been reduced because of partial coverage of claims.

☐ Credits have been reduced because of corrections to work dates and figures of applicant.

☐ No credits have been allowed for the following mining claims as they were not sufficiently covered by the survey:

_____

_____

_____

_____

_____

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical — 80; Geological — 40; Geochemical — 40;

Form LA. 101 (10/74)

Ministry of Natural Resources
Ontario

Lands Administration Branch

Projects Unit

Technical Assessment Work Credits

File 2.1689

Recorded Holder: Kerr Addison Mines Limited

Township or Area: Mountjoy Township

Type of survey and number of Assessment days credit per claim	Mining Claims
Geophysical	P. 381610 to 13 inclusive
Electromagnetic _____ days	
Magnetometer 40 days	
Radiometric _____ days	
Induced polarization _____ days	
Section 86 (18) _____ days	
Geological _____ days	
Geochemical _____ days	
Man days ☐ Airborne ☐	
Special provision ☒ Ground ☒	

Notice of Intent to be issued:

☐ Credits have been reduced because of partial coverage of claims.

☐ Credits have been reduced because of corrections to work dates and figures of applicant.

☐ No credits have been allowed for the following mining claims as they were not sufficiently covered by the survey:

_____

_____

_____

_____

_____

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical — 80; Geological — 40; Geochemical — 40;

Form LA. 101 (10/74)

Jessop Twp.

Godfrey Twp.

Tisdale Twp.

Odgen Twp.

VI

V

IV

III

II

I

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

THE TOWNSHIP OF MOUNTJOY

2.1689

DISTRICT OF COCHRANE

PORCUPINE MINING DIVISION

SCALE: 1-INCH= 40 CHAINS

LEGEND

PATENTED LAND	(P)
CROWN LAND SALE	(S) or C.S.
LEASES	(L)
LOCATED LAND	Loc.
LICENSE OF OCCUPATION	L.O.
MINING RIGHTS ONLY	M.R.O
SURFACE RIGHTS ONLY	S.R.O
ROADS	
IMPROVED ROADS	
KINGS HIGHWAYS	
RAILWAYS	
POWER LINES	
MARSH OR MUSKEG	
MINES	
GEODETIC STATION	
WATER POWER LEASE	W.P.L.

NOTES

400' Surface rights reservation around all lakes & rivers.

This township lies within the Municipality of CITY of TIMMINS.

Town boundary of TIMMINS shown thus: NOW WITHIN THE CITY OF TIMMINS

L.O. 6613 shown thus:

Areas withdrawn from staking under Section 43 of the Mining Act (R.S.O. 1970).

Order No.	File	Date	Disposition
(43) W.5/74	14954	12/2/74	S.R.O.

- MINING LANDS -
DATE OF ISSUE
APR 23 1975
MINISTRY OF NATURAL RESOURCES

PLAN NO.- M 302

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

* Magnetometer Survey

Jessop Twp.

Godfrey Twp.

Tisdale Twp.

Odgen Twp.

VI

V

IV

III

II

I

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

THE TOWNSHIP OF 2.1689 MOUNTJOY

DISTRICT OF COCHRANE

PORCUPINE MINING DIVISION

SCALE: 1-INCH= 40 CHAINS

LEGEND

PATENTED LAND	(P)
CROWN LAND SALE	(S) or C.S.
LEASES	(L)
LOCATED LAND	Loc.
LICENSE OF OCCUPATION	L.O.
MINING RIGHTS ONLY	M.R.O
SURFACE RIGHTS ONLY	S.R.O
ROADS	
IMPROVED ROADS	
KINGS HIGHWAYS	
RAILWAYS	
POWER LINES	
MARSH OR MUSKEG	
MINES	
GEODECTIC STATION	
WATER POWER LEASE	W.P.L.

NOTES

400' Surface rights reservation around all lakes & rivers.

This township lies within the Municipality of CITY of TIMMINS.

Town boundary of TIMMINS shown thus: NOW WITHIN THE CITY OF TIMMINS

L.O. 6613 shown thus:

Areas withdrawn from staking under Section 43 of the Mining Act (R.S.O. 1970).

Order No.	File	Date	Disposition
(43) W.5/74	14954	12/2/74	S.R.O.

- MINING LANDS -
DATE OF ISSUE
APR 23 1975
MINISTRY OF NATURAL RESOURCES

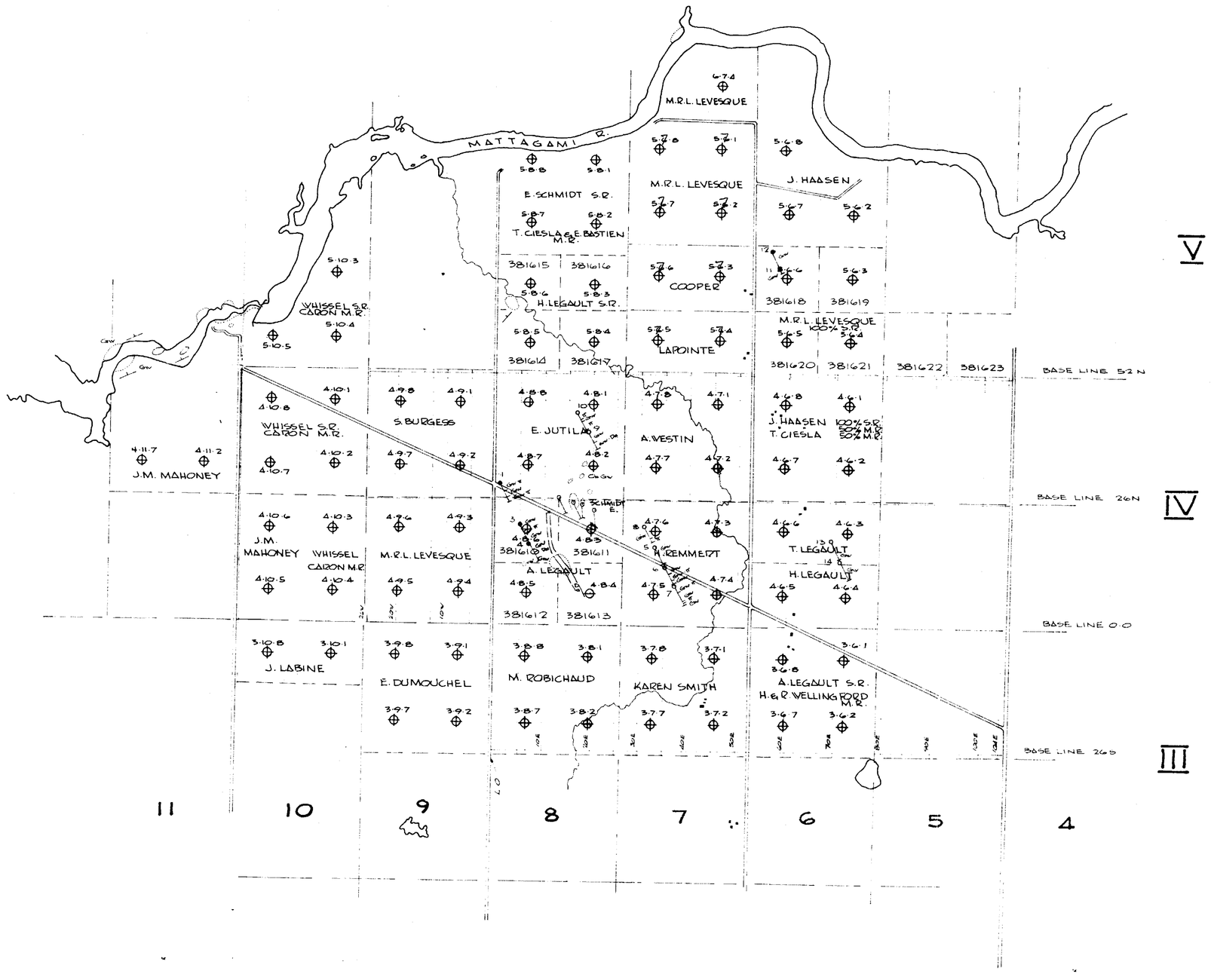
PLAN NO.- M 302

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

42A11SW0307 2.1689 MOUNTJOY

210

* Bad Tie



LEGEND

- Db — DIABASE
- La — LAMPROPHYRE
- FP — QUARTZ FELDSPAR PORPHYRY
- GW — GREYWACKE
- Cb — CARBONATE
- DIP and STRIKE
- FENCE
- OVERBURDEN HOLE
- DIAMOND DRILL HOLE
- ROAD
- BUILDINGS
- BUSH
- CREEK
- GEOLOGICAL CONTACT

KERR ADDISON MINES LIMITED
MOUNTJOY PROJECT "O-11"
MOUNTJOY TWP. ONTARIO

GENERAL LOCATION MAP
SCALE: 1" = 1320'
G. HINSE
DEC. 74

MAP #1

KERR ADDISON MINES LIMITED
MOUNTJOY PROJECT "O-11"
MOUNTJOY TWP. ONTARIO

MAGNETOMETER SURVEY
SCALE : 1" = 200' APRIL 74
G.HINSE

MAP # 2

LOT 9

LOT 8

LOT 8

B.L. CONC. V

CONC. IV

CONC. III

BASE LINE 0-0

B.L. 2700 S

B.L. 2400 N

B.L. CONC. V

5200 N CONC. IV

381612

381610

381611

381613

3-9-7

3-9-8

3-9-2

3-9-1

FENCE
OVERBURDEN HOLE
DIAMOND DRILL HOLE
ROAD
BUILDING
BUSH
CREEK

LEGEND

933 MAGNETIC FIELD IN GAMMAS

INSTRUMENT USED : ASKANIA
OPERATORS : T. JONES, P. JEANSONNE
NUMBER OF READINGS TAKEN: 2134

0 BASE STATION
◎ MAIN BASE STATION
CONTOUR INTERVAL - 100 GAMMAS

LOT 7

LOT 6

BASE LINE 26.00S

KERR ADDISON MINES LIMITED
MOUNTJOY PROJECT "O-11"
MOUNTJOY TWP. ONTARIO

MAGNETOMETER SURVEY
APRIL '74

SCALE 1 IN. = 200'
G. HINSE

LEGEND

- 895 MAGNETIC FIELD IN GAMMAS
- INSTRUMENT USED: ASKANIA
- OPERATOR: T. JONES
- NUMBER OF READINGS TAKEN: 2314
- 0 BASE STATION
- 0 TRAIL STATION
- CONTOUR INTERVAL: 100 GAMMAS

- FENCE
- OVERBURDEN HOLE
- DIAMOND DRILL HOLE
- ROAD
- BUILDING
- BUSH
- CREEK

CONC. V

B.L. 57.00N

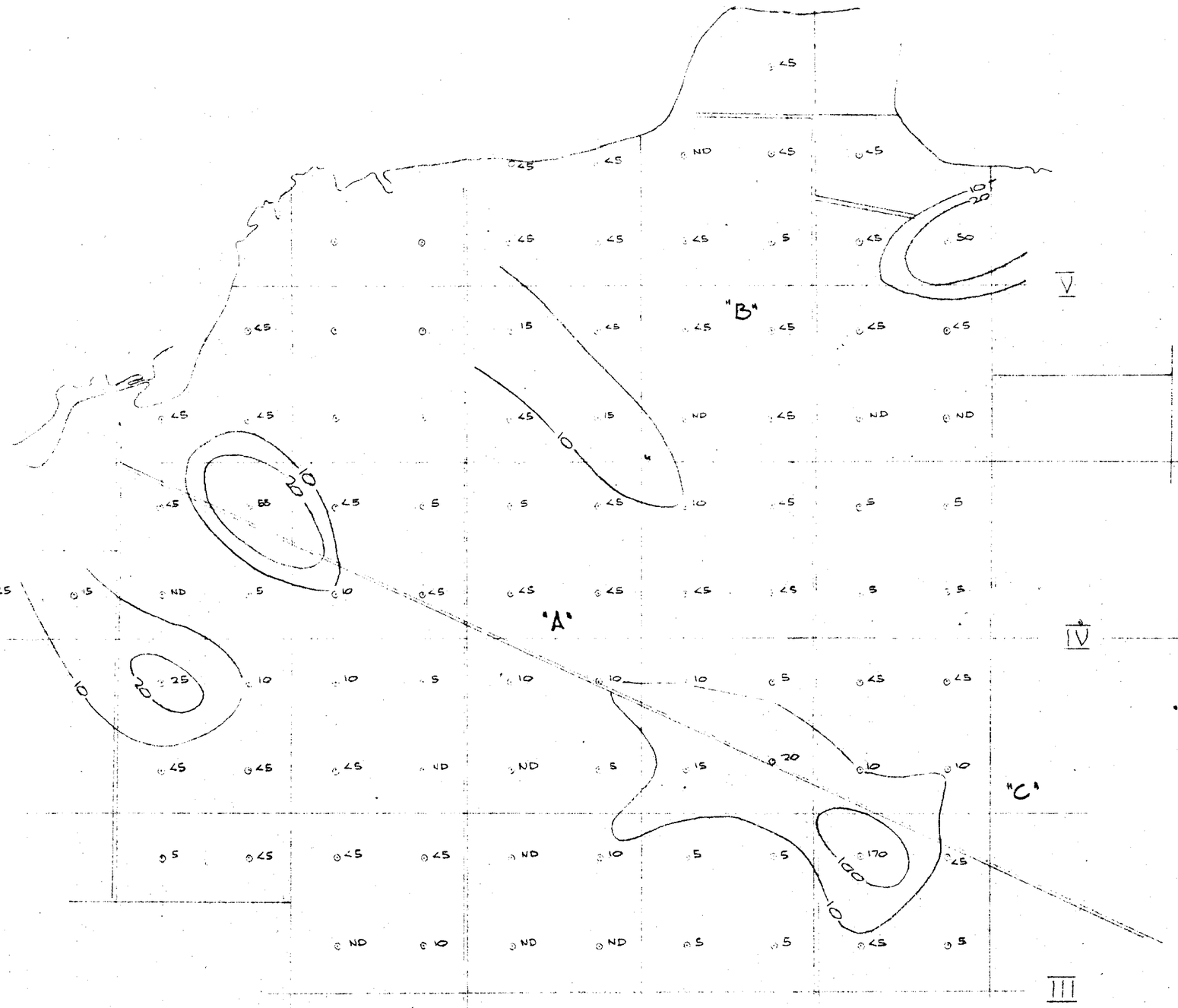
CONC. IV

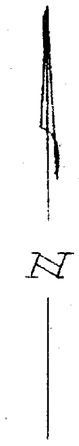
CONC. III

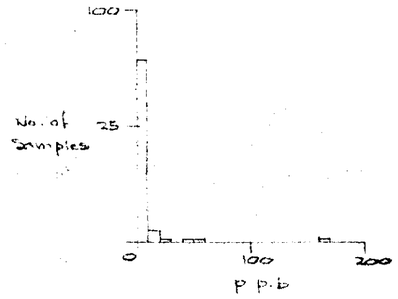
BASE LINE 0.00

B.L. 26.00N


78E 80E 82E 84E 86E 88E 90E 92E 94E 96E 98E 100E 102E 104E
LOT 5
BASE LINE 52·00 N
CONC. V
CONC. IV
48N
40N
32N
BASE LINE 26·00 N
24N
16N
8N
BASE LINE 0·0
CONC. IV
CONC. III
8S
16S
24S
BASE LINE 26·00 S
FIELD
BUSH
old car
LOT 5
LEGEND
953 MAGNETIC FIELD IN GAMMAS
INSTRUMENT USED: ASKANIA
OPERATORS: P. JEANSONNE
NUMBER OF READINGS TAKEN: 1106
MAIN BASE STATION
BASE STATION
CONTOUR INTERVAL 100 GAMMAS
FENCE
OVERBURDEN HOLE
DIAMOND DRILL HOLE
ROAD
BUILDING
BUSH
CREEK
KERR ADDISON MINES LIMITED
MOUNTJOY PROJECT "O-11"
MOUNTJOY TWP. ONTARIO
MAGNETOMETER SURVEY
SCALE: 1" = 200' APRIL 74
G. HINSE
2.1689
250
42A11SW0307 2.1689 MOUNTJOY







FREQUENCY DISTRIBUTION

KERR ADDISON MINES LIMITED
MOUNTJOY PROJECT "O-11"
Mountjoy Twp. Ont.

GOLD IN BEDROCK

Scale: 1" = 1320' March 74
G. Hinse

G. Hinse MAP # 5

N

V

IV

III

"A"

11 10 9 8 7 6

100

No. of Samples 50

0

0 25 P.P.M.

FREQUENCY DISTRIBUTION

KERR ADDISON MINES LIMITED
MOUNTJOY PROJECT "O-11"
Mountjoy Twp. Ont.

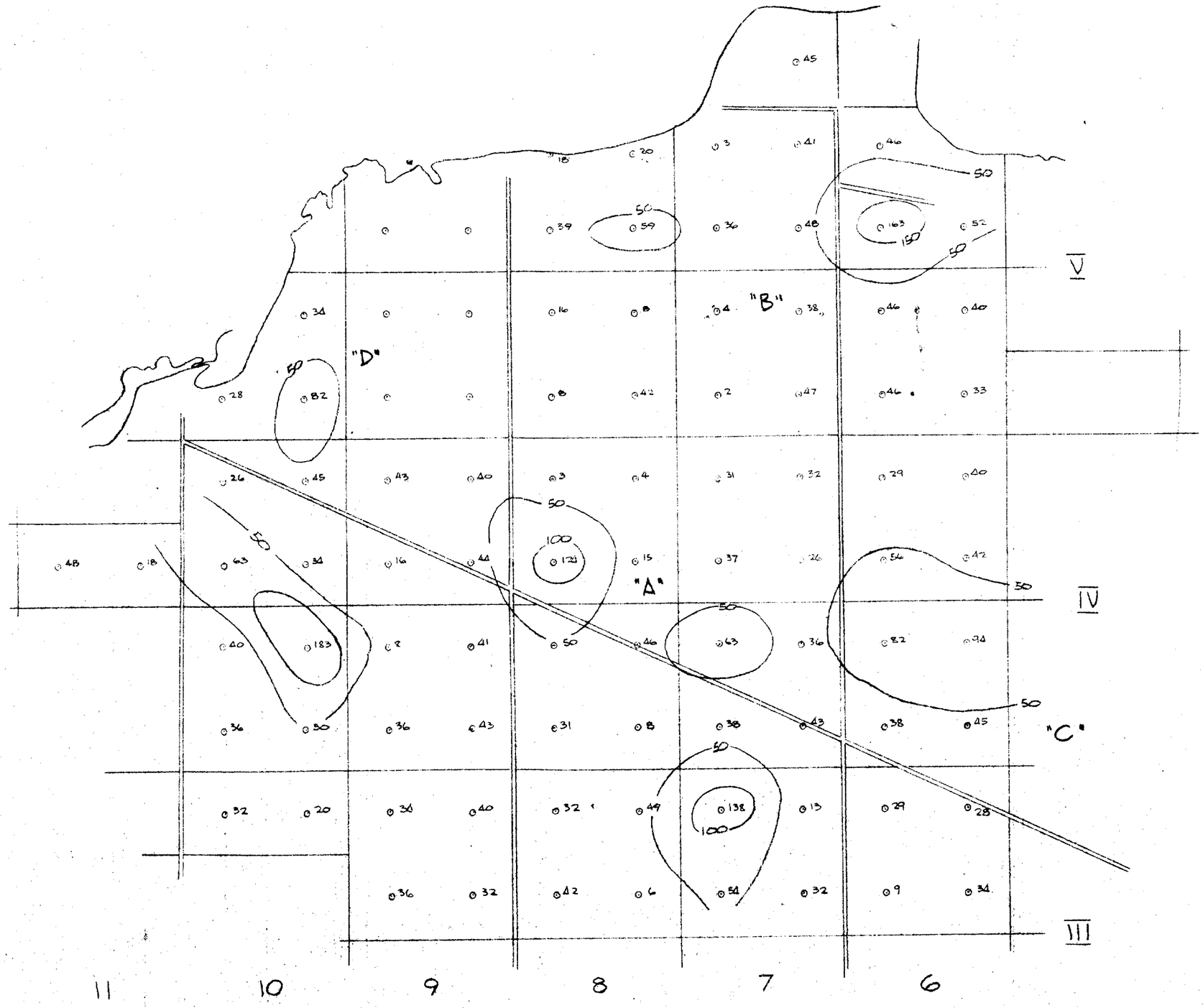
ARSENIC IN BEDROCK

Scale: 1" = 1320'
G. Hinse

March 74

MAP #6

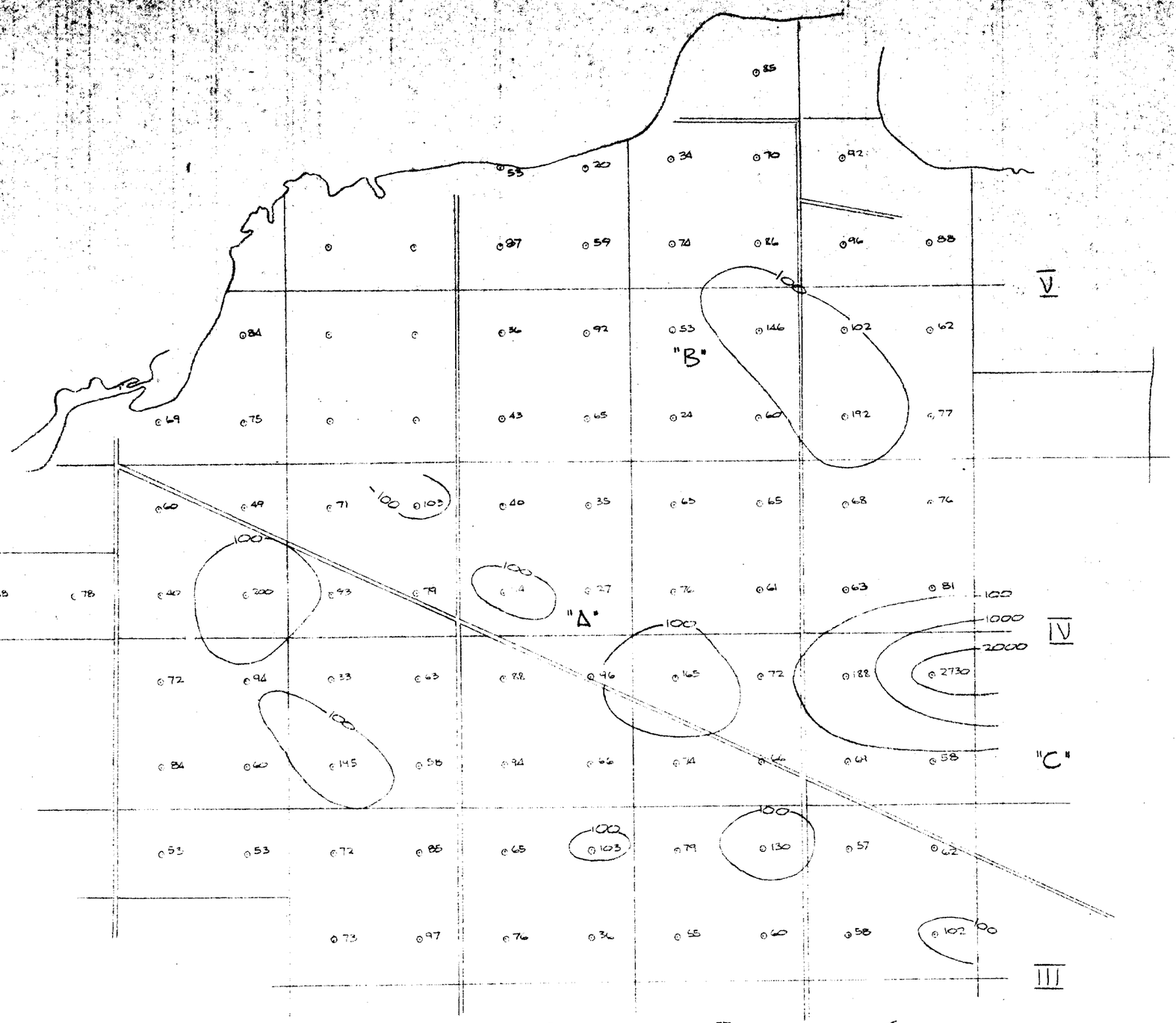
2.1689



KERR ADDISON MINES LIMITED
MOUNTJOY PROJECT "O-11"
Mountjoy Twp. Ont.

COPPER IN BEDROCK

Scale: 1" = 1320' March '76
G. Hynse



No. of Samples

25

0 50 100 200 2730

FREQUENCY DISTRIBUTION

KERR ADDISON MINES LIMITED
MOUNTJOY PROJECT "O-11"
Mountjoy Twp. Ont.

ZINC IN BEDROCK

Scale: 1" = 1320'
G. Hinge

March 74

G. Hinge

MAP # 8

2.1689

N

"A"

"B"

"C"

I

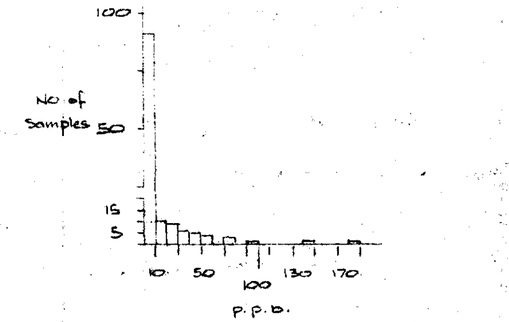
II

III

IV

V

11 10 9 8 7 6



FREQUENCY DISTRIBUTION

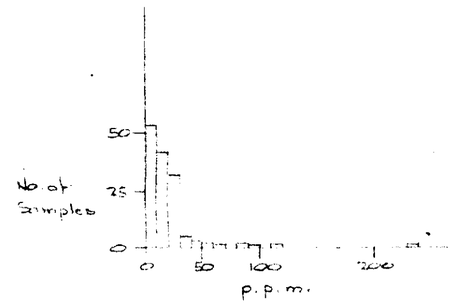
N

"A" "B" "C" "D"

V
IV
III

11 10 9 8 7 6

FREQUENCY DISTRIBUTION



KERR ADDISON MINES LIMITED
MOUNTJOY PROJECT "O-11"
Mountjoy Twp. Ont.

ARSENIC IN BASAL TILL

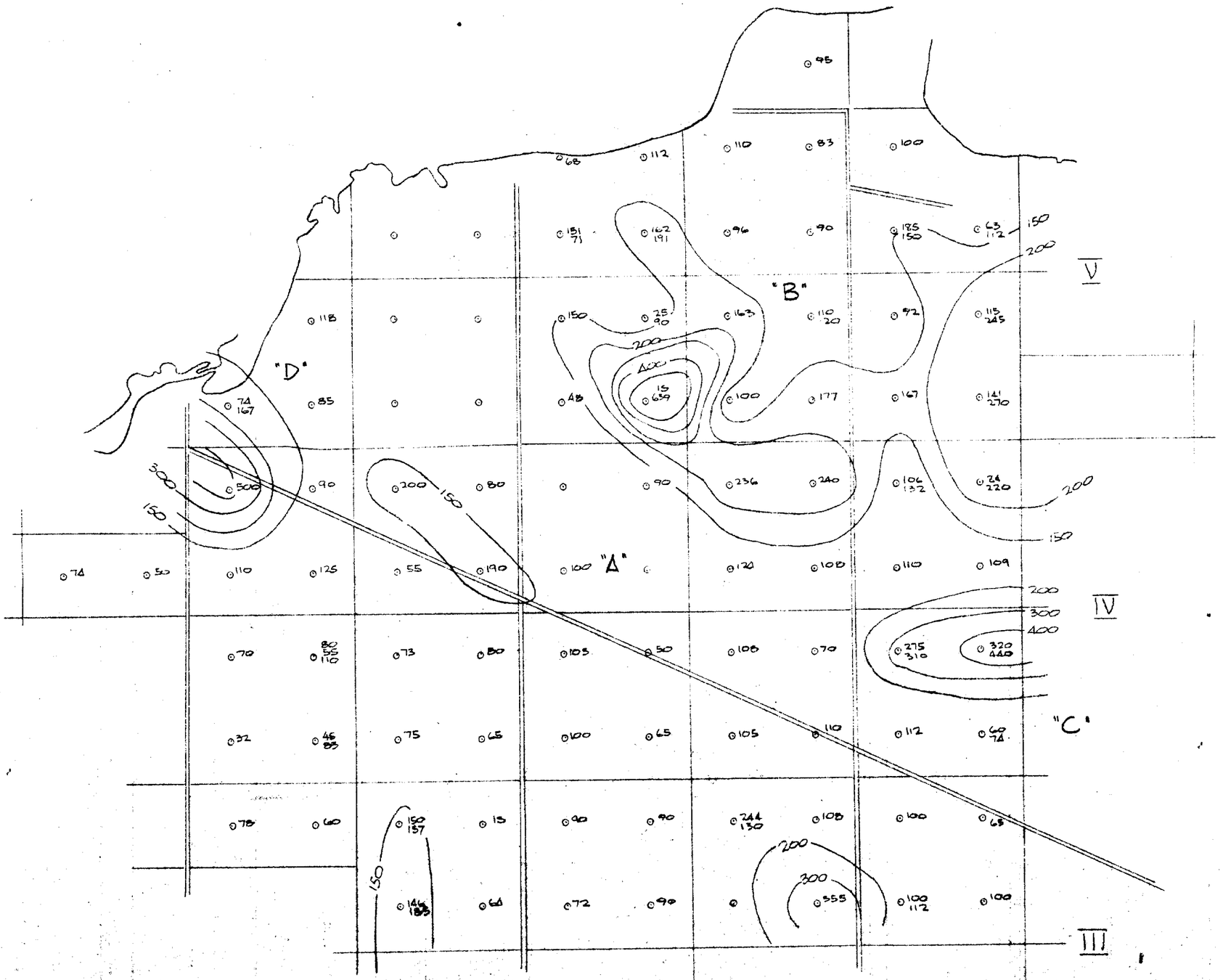
Scale : 1" = 1320'
G. Hinse

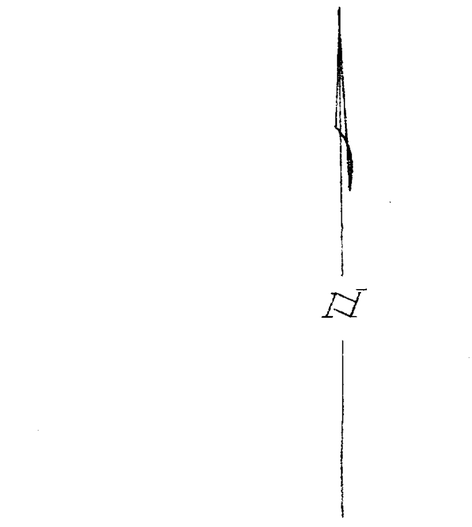
March 74

G. Hinse

MAP #10

2.1689





FREQUENCY DISTRIBUTION

KERR ADDISON MINES LIMITED
MOUNTJOY PROJECT "O-11"
Mountjoy Twp. Ont.

COPPER IN GLACIAL TILL

Scale: 1" = 1320' March 78

N

"B"

"C"

"D"

I

II

III

IV

V

11 10 9 8 7 6

FREQUENCY DISTRIBUTION

50
25
0
0 250 500 1000 over 1000
p.p.m.

KERR ADDISON MINES LIMITED
MOUNTJOY PROJECT "O-11"
Mountjoy Twp. Ont.

ZINC IN BASAL TILL

Scale: 1" = 1320' March 74
G. Hinse

G. Hinse MAP # 12