KERR ADDISON MINES LTD.

REPORT ON

1) GEOLOGICAL MAPPING

2) MAGNETOMETER SURVEY

3) EM-VLF SURVEY

4) OVERBURDEN REVERSE CIRCULATION DRILLING

NEAL PROPERTY

HARKER TOWNSHIP

LARDER LAKE MINING DIVISION

DISTRICT OF COCHRANE

February, 1985
Sudbury, Ontario.

M. Patrick Lewis
Project Geologist
Kerr Addison Mines Ltd.

63.2558

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KERR ADDISON MINES LTD.
NEAL-HARKER PROJECT

1. LOCATION, ACCESS AND PHYSIOGRAPHY

The Neal property is located in the northwest quadrant of Harker Township approximately 50 kms (30 mi) east of the town of Matheson in Northeastern Ontario. Figure I. The property consist of eleven contiguous claims numbered 643330 through 643340 inclusive. Figure II.

Excellent access to the property is provided by a number of logging roads leading south off Highway 101 in the vicinity of the Ghost River.

The area is characterized by a low rolling plain on either side of the Ghost River with a low linear ridge running roughly northeast-southwest across the western portion of the claim block. The distribution of outcrop is restricted to this ridge. The Ghost River cuts across the property from the southeast corner to the northcentral area of the claim block. Numerous gullies draining small intermittent streams are found branching off from the main river valley.

2. PREVIOUS WORK

In 1946 Harker-Garrison townships were being actively explored at which time two companies worked claims that now make up the Neal property.

Greenlee Mines Ltd. held 12 claims over which a magnetometer survey was carried out. No further work was reported. Also in 1946 Cortez Mining Co. drilled 4 holes totalling 2112 ft.. One hole cuts across the southern boundary of the Neal Property encounting diorite, syenite, andesite and tuff. No mineralized zones or assays were reported.

H.E. Neal staked the ground in 1982 and submitted a geological map of the property the same year. The claims were optioned by Kerr Addison Mines Ltd. in June of 1984.

3. EXPLORATION PROGRAMS CARRIED OUT BY KERR ADDISON MINES --1984

During the fall of 1984 Kerr Addison Mines Ltd. carried out exploration programs over the Neal property which consisted of:

3A. Geological Mapping

3B. Magnetometer Survey

3C. VLF-EM Survey

3D. Overburden Reverse Circulation Drilling

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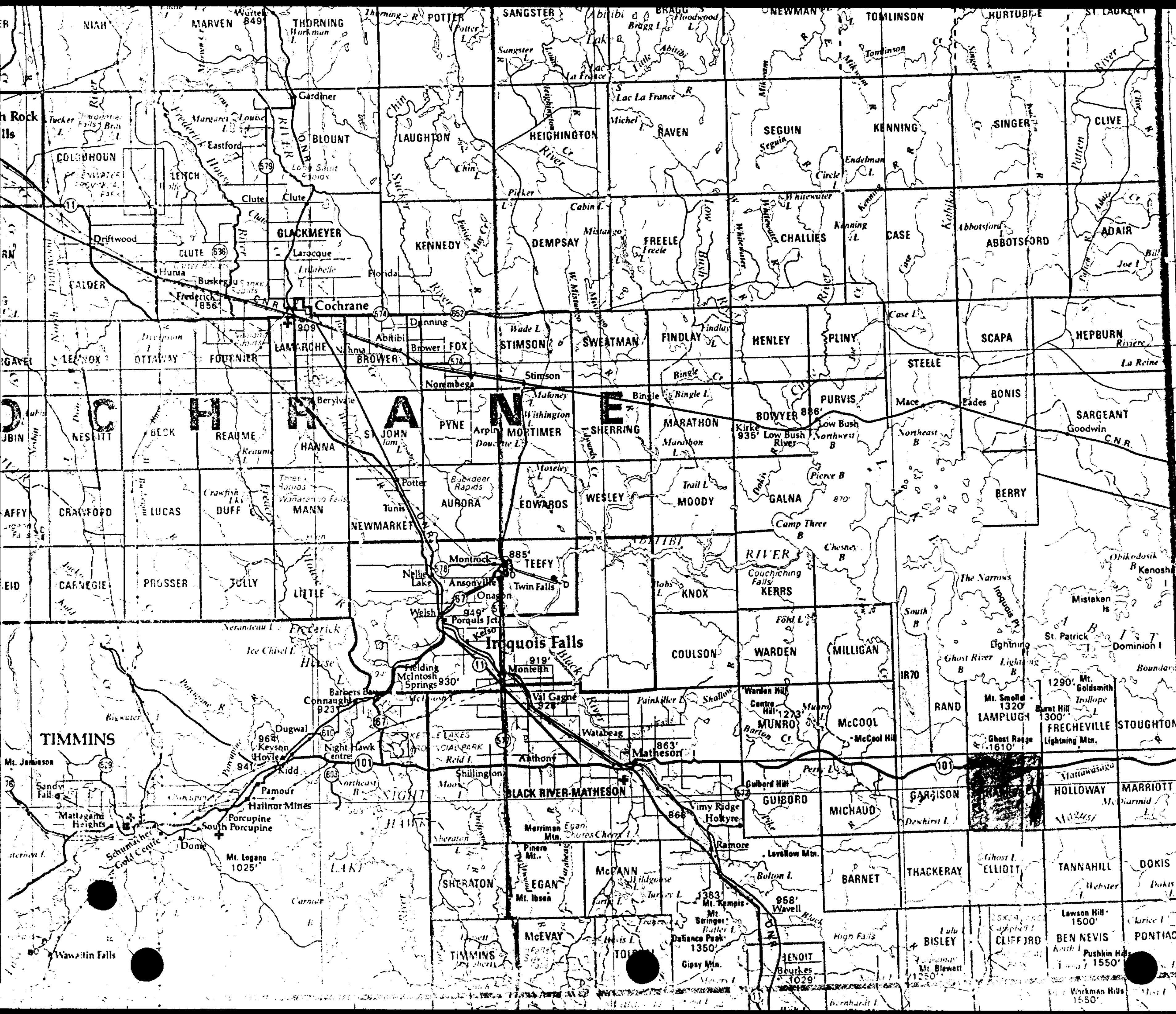

FIG 1

LOCATION MAP
HARKER TOWNSHIP
SCALE 1" = 10 MI

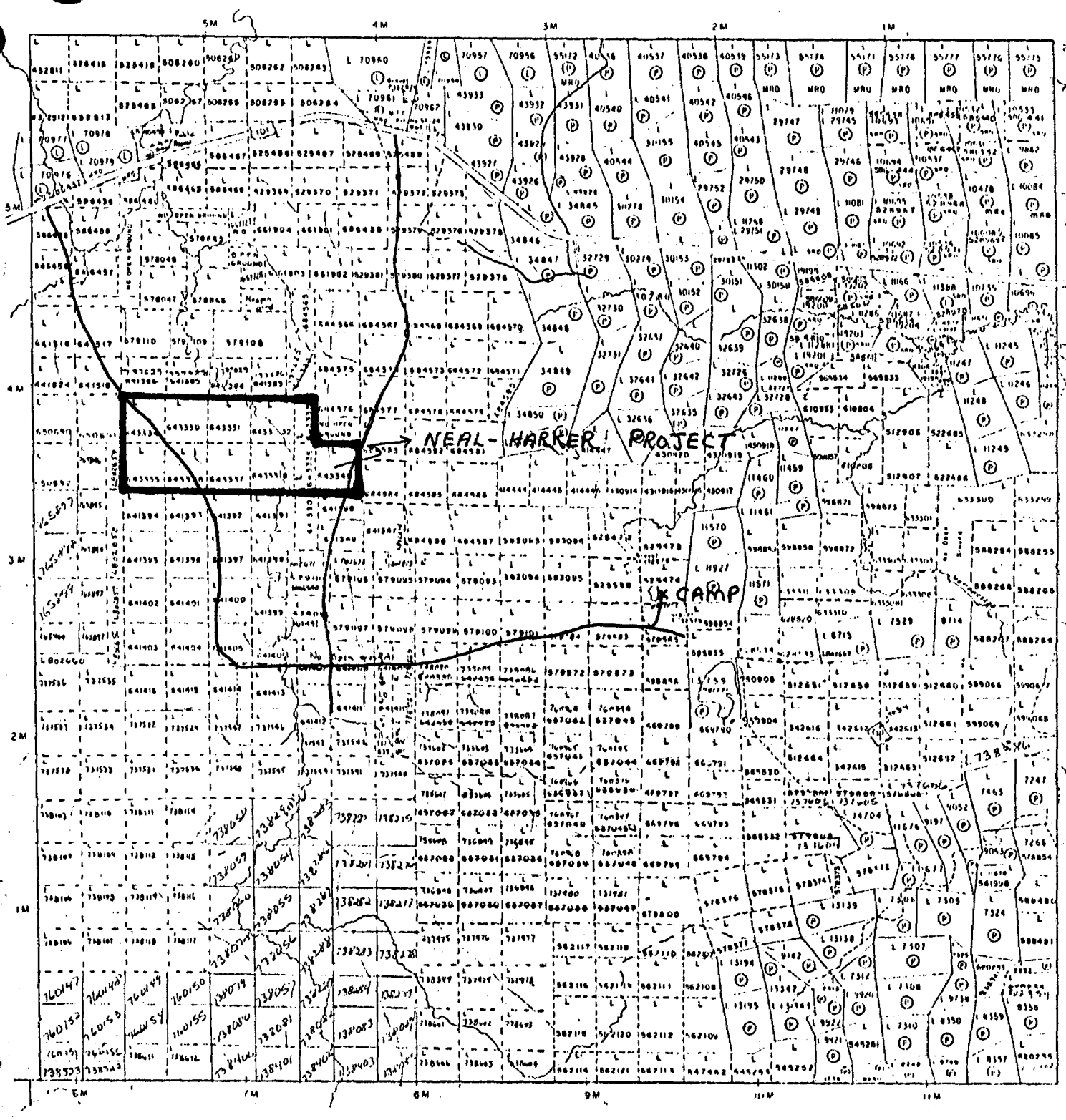

FIG 2

LOCATION MAP
HARKER TOWNSHIP
NEAL—HARKER PROJECT

SCALE: 1" = .75 mi. FEB. 1985

The above work was carried out on cut grid lines at 100 meter spacings for a total of twenty two kilometers.

3A. Geological Mapping

Surface mapping was carried out by Mr. Ian Cunningham-Dunlop and Ms Allison Beales both graduate geologist who filed the following report.

The outcrop within the map area consist of an assemblage of mafic volcanics. The lavas are typically basaltic and appear fine to medium-grained. They can be subidivided into three distinct units; massive, pillowed and diabasic.

The most abundant flow unit is a massive fine-grained lava. This unit is typically grey-green in colour and shows local epidote alteration. Minor quartz and feldspar veining was also observed. Pyrite occurs disseminated throughout the rock in concentrations generally less than one percent. Concentrations of up to ten percent were observed in a small shear zone located near the western edge of the map area. The shear zone exhibits brecciation and the development of a gossan. The zone strikes approximately east-west with a width of one half meter and a strike-length of three meters. Two samples of the gossan was analyzed for gold, returning a result of 30 and 60 PPb's.

The pillowed and diabasic flows are less abundant in the map area and generally occur dispersed within the massive volcanics. The pillows are characterized by their dark green colour, fine-grained nature, and selvage rims of quartz and carbonate. They are upwards of one meter in length and are generally elliptical in shape. A tops determination could not be made oweing to a lack of exposure. The diabasic flows are typically dark green in colour and medium to coarse-grained.

Both units appear to be essentially barren of mineralization.

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3B. Magnetometer Survey

Magnetic coverage over the Neal-Harker grid was carried out utilizing a EDA PPM 350 field magnetometer and a PPM 400 base station unit. Using a base value of 58,000 gammas corrected and contoured data is presented as Drawing #N84-3.

Magnetic variations across the map sheet is tremendously high ranging from minus readings in the northeast corner to readings in the order of 10,000 gammas in the central portion of the map sheet to 1000 gamma readings in the northwest.

A gradual east west gradient is apparent in the southern portion of the map sheet (south of B.L. 0+00) probably indicative of a volcanic flow who's magnetite content increases as one progress north towards the baseline. An extremely high mag occupies the central portion of the survey area extending from the northwest corner through to the southeast corner likely representing a magnetite rich mafic or ultramafic flow. This mag high ends abruptly between lines 23W and 24W an area exhibiting a magnetic gradient of 6000 to -500 gamma over a linear distance of 100 meter. The contoured plan of this area portrays an abrupt north south trend which would normally be attributed to the contact area between the magnetite rich volcanic flows to the west and the magnetite free intrusive (syenite) to the east. However overburden drilling indicate that this feature cross-cuts the contact between the two units and for the most part occupies an area underlain by the syenite intrusive.

The eastern and northeast portion of the claims portrays extremely low magnetic relief.

3C. VLF-EM Survey

The VLF survey was conducted using a Crone Radem unit. Measurements of dip angle were recorded at 25 meter intervals using transmitter station Cutler Maine (17.5 KHZ). The profiled results are plotted on Drawing #N84-4.

Four major weak to moderate VLF conductors generally trending east-west were defined within the survey area.

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CONDUCTOR	LOCATION	STRENGTH
A	L36W, 2+60N to L 32W, 3+10N	Weak
B	L35W, 0+90S to L 32W, 1+70S	Weak
C	L31W, 3+70N to L 27W, 3+00N	Weak
D	L25W, 2+90N to L 21W, 0+90N	Moderate

Conductor A, B and C are located in an are which is covered by as much as 170 ft of overburden including up to 150 ft of lucustrine clay. This fact combined with the weakness of the responses and also the high positive low negative shoulder characteristic of the dip angle profiles indicate that they can be attributed to overburden effect. Conductor C is located in an area that contains as little as 33 ft of overburden, is moderately strong particularly on lines 24W and 23W and coincides with an alteration zone which contains anomalous gold in the syenite.

3D. Overburden Reverse Circulation Drilling

Thirty-five reverse circulation overburden drill holes ranging in depth from 21 ft. to 189 ft. and totalling 2495.5 ft were drilled on Neal-Harker property in late October and early December of 1984. Samples of basal till and mineralized subcrop were analyzed for Au, Cu, Pb and Zn by Bell White Laboratories of Haileybury, Ontario. For drilling details and results refer to APPENDIX 1 "Reverse Circulation Overburden Drilling, Neal-Harker Project" by M. Kenneth Kryklywy and M.P. Lewis.

4. Discussion of Results

As with most mineral exploration properties, a number of exploration programs are carried out in an attempt to stack anomalies that would warrant diamond drilling. With this in mind the Neal-Harker Property was subjected to geological mapping, magnetometer and VLF-EM surveys and overburden reverse circulation drilling. Drawing #N84-1 (compilation map).

Geologically as determined from both outcrop and subcrop mapping the western 2/3 of the property is underlain by mafic to ultramafic flows. These flows contain a intensely altered zone

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consisting of talc-chlorite-carbonate schist which was intersected in fine contiguous holes on section 4+00N (holes NH-84-19 through NH-84-23). The talc-chlorite-carbonate schist contains abundant magnetite and erratic minor finely disseminated and cubic pyrite but is void of any anomalous gold values. Subcrop topography, a one foot intersection of talc-chlorite-carbonate schist in hole NH-84-27 at 25+00W, BL 0+00 suggest that the alteration zone could extend across the entire width of the property in a northwest-southeast direction. The eastern 1/3 of the property is underlain by a syenite intrusion containing mainly feldspar, minor quartz and minor mafics.

Magnetically the flows exhibit an extremely high relief in comparision to the low relief of the syenite intrusive. The mafic flows and the talc-chlorite-carbonate schist are so similiar in magnetic suscreptibility that it is impossible to map the two units using the mag data. An abrupt north-south magnetic linear feature which cuts across the volcanic syenite contact between line 23W and 24W could possibly represent some sturctural activity.

Four weak VLF-EM conductors were delineated, three of which are located in the western half of the survey area, and can be attributed to overburden effect. The fourth VLF conductor occupies a position that extends from L 25W, 3N to 21W, 1N, an area containing as little as 33 ft. of overburden. This conductor is of moderate strength particularly on lines 24W and 23W, cross-cuts and parallels the volcanic/syenite contact, and coincides with an area of anomalous overburden/bedrock Au values.

The overburden drill program was successful in outlining an extensive anomalous area which extends east from line 24W to line 19W, an area underlain by altered/pyrite bearing and unaltered syenite.

5. Recommendations

Diamond drilled is warranted in the area of lines 24W, 2N and 23W, 2N an area which exhibit coinciding VLF conductor, a north-south trending magnetic linear feature, and anomalous gold values in overburden and pyritized bedrock. The anomalous gold values are progressively higher as one approaches the volcanic/syenite contact on section 2+00N, the most westerly overburden

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hole (NH-84-35) having the highest value of 97 and 120 PPb in basal till and bedrock, respectively Drawing #NH-84-1.

Respectively Submitted,

M.P. Lewis

M.P. Lewis,
Project Geologist,
Kerr Addison Mines Limited.

Feb./85

MPL:pl

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TABLE I

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BELL-WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187, HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. B1431-84 **DATE:** December 7, 1984

SAMPLE(S) OF: Overburden (50) **RECEIVED:** November, 1984

SAMPLE(S) FROM: Kerr Addison Mines Limited

Sample No.	Gold ppb
NH-84-01-06	3
NH-84-01-07	2
NH-84-02-06	2
NH-84-03-02	16
NH-84-04-04	18
NH-84-05-07	19
NH-84-05-08	49
NH-84-06-06	14
NH-84-07-05	19
NH-84-08-04	12
NH-84-09-02	8
NH-84-09-03	34
NH-84-10-02	151**
NH-84-11-02	8
NH-84-12-03+04	4
NH-84-13-14	8
NH-84-13-15	10
NH-84-14-03	7
NH-84-15-04	7
NH-84-16-05	2
NH-84-17-10	3
NH-84-18-08	2
NH-84-19-07	2
NH-84-19-08	4
NH-18-19-13	3

Sample No.	Gold ppb
NH-84-20-04	33
NH-84-20-05	4
NH-84-21-11	3
NH-84-21-12A	8
-12B	14
-12C	3
NH-84-22-13	2
NH-84-22-14	11
NH-84-23-14)* -15)*	12
NH-84-23-16	3
NH-84-24-15	3
NH-84-24-16	2
NH-84-25-02	3
NH-84-26-03	2
NH-84-26-04	2
NH-84-27-09	2
NH-84-27-10	7
NH-84-28-03	8
NH-84-23-168'	2
SH-84-60-05	3
SH-84-61-04	4
SH-84-62-04	3
SH-84-63-05	4
SH-84-63-06	26
NH-84-64-04	5

* Two Sample Tags in one sample

** Checked

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PER

BELL-WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187. HAILEYBURY. ONTARIO TEL: 672-3107

JAN 23 1985

Certificate of Analysis

NO. B42-85 **DATE:** January 21, 1985

SAMPLE(S) OF: Overburden (82) **RECEIVED:** January, 1985

SAMPLE(S) FROM: Kerr Addison Mines Limited

Sample No.	Gold ppb	Sample No.	Gold ppb	Sample No.	Gold ppb
NH84-29-06	62**	SH84-74-06	10	SH84-91-04	4
-30-05	20	-75-04	15	-05	20
-31-02	7	-05	7	-92-04	7
-32-02	16	-76-05	66**	-93-02	5
-03	65**	-77-03	23	-94-02	5
-33-02	72**	-78-06	11	-95-02	3
-03	83**	-79-05*	8	-96-02	5
-34-03	34	-79-05*	5	-97-05	4
-04	49	-80-08	11	-98-07	2
-35-04	97**	-81-10	7	-08	30**
-05	120**	-82-09	4	-99-03	15
		-10	11	-100-04	4
SH84-65-06	16	-83-05	20**	-101-04	3
-07	3	-04	12	-102 -03	3
-66-02	4	-84-05	10	-103-02	10
-03	15	-84-06	402**	-104-03	16
-67-02	3	-85-06	7	-04	20
-03	4	-07	15	-05	3
-68-02	5	-86-02	4	-105-02	29
-69-05	5	-03A	11	-106-04	37
-70-12	7	-03B	11	-05	78**
-13	69**	-87-04	3	-107-05	15
-71-02	4	-05	12	-108-04	18
-72-03	7	-88-10	8	-05	14
-73-05	12	-11	5	-109-09	7
-06	5	-89-12	3	-10	4
-74-04	5	-13	14	-110-06	16
-05	11	-90-03	4		

*Duplicate sample numbers

**Checked

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BELL-WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187. HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. B46-85 Page 1 of 2 DATE: January 29, 1985

SAMPLE(S) OF: Overburden (50) RECEIVED: December, 1984

SAMPLE(S) FROM: Kerr Addison Mines Limited

Sample No.	Copper ppm	Lead ppm	Zinc ppm
NH-84-01-06	15	8	21
-07	4	7	9
-02-06	14	7	21
-03-02	15	8	15
-04-04	22	14	18
-05-07	27	10	26
-05-08	11	11	44
-06-06	22	17	22
-07-05	20	22	18
-08-04	26	16	23
-09-02	35	19	69
-03	26	29	39
-10-02	44	18	89
-11-02	25	202	21
-12-03 & -04	28	102	79
-13-14	22	11	33
-15	24	13	34
-14-03	41	19	23
-15-04	11	10	14
-16-05	23	21	20
-17-10	17	8	16
-18-08	11	14	20
-19-07	11	8	17
-08	30	40	24
-19-13	65	43	11

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BELL-WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187, HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. B46-85 DATE: January 29, 1985

SAMPLE(S) OF: Overburden (50) RECEIVED: December, 1984

SAMPLE(S) FROM: Kerr Addison Mines Limited

Sample No.	Copper ppm	Lead ppm	Zinc ppm
NH-84-20-04	107	244	86
-05	42	12	12
-21-11	24	31	26
-12A	71	18	49
-12B	37	66	12
-12C	50	15	12
-22-13	28	11	23
-14	42	17	11
-23-14 & -15	20	11	30
-16	52	22	14
-24-15	20	9	19
-16	16	11	18
-25-02	22	8	22
-26-03	29	18	72
-04	162	25	71
-27-09	36	10	21
-10	42	12	121
-28-03	39	9	25
NH-84-23-168	7	23	88
NH-84-60-05	5	15	8
NH-84-61-04	8	9	14
SH-84-62-04	9	10	17
-63-05	8	6	13
-06	6	7	10
NH-84-64-04	16	118	21

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BELL-WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187. HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. B50-85 Page 1 of 3 DATE: January 31, 1985

SAMPLE(S) OF: Overburden (82) RECEIVED: December, 1984

SAMPLE(S) FROM: Kerr Addison Mines Limited

Sample No.	Cu ppm	Pb ppm	Zn ppm
NH-84-29-06	23	9	16
-30-05	15	11	17
-31-02	83	18	120
-32-02	20	14	24
-03	41	11	38
-33-02	22	12	34
-03	22	15	47
-34-03	28	278	38
-04	59	16	42
-35-04	21	14	23
-05	16	29	16
SH-84-65-06	178	4670**	93
-07	15	14	19
-66-02	12	9	17
-03	61	16	32
-67-02	11	10	21
-03	19	12	35
-68-02	13	14	20
-69-05	15	12	28
-70-12	20	140	28
-13	73	35	56
-71-02	10	12	18
-72-03	7	9	17
-73-05	102	15	114
-06	33	15	121
-74-04	11	12	18
-05	23	14	60

** Checked

BELL-WHITE ANALYTICAL LABORATORIES LTD.

January, 1985

APPENDIX I

OVERBURDEN REVERSE CIRCULATION DRILLING PROGRAM

NEAL-HARKER PROJECT

HARKER TOWNSHIP

CLAIMS 643330 THROUGH 643340

Submitted by:

M. Kenneth Kryklywy

M. Patrick Lewis

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1. Work Performed

In total, 35 holes were drilled on the Neal-Harker claims using an Acker, reverse circulation overburden drill which was mounted on a double-trached Nodwell carrier. These holes varied in depth from 21 feet to 189 feet with an average depth of 71 feet. In total, 2,495.5 feet of drilling was done. The holes were drilled an average of 1 to 2 feet into bedrock. They were spaced at 100 metre intervals on east-west lines spaced 200 meters apart. Some holes had to be offset by as much as 15 meters because of ground which was inaccesible to the Nodwell dril carrier.

2. Drilling Specifics

The reverse circulation drilling method employed the use of dual tube rods and a tricone bit to penetrate the overburden and to return the overburden sample to surface. The actual drilling procedure involved pumping air and water through the outer tube of the dual tube rods down to the drill bit where the drill cuttings were then forced back up the centre of the drill rods to the surface. Here, the sediment-water mixture was slowed down in a funnel-shaped cyclone and then collected in a pair of coupled 5 gallon buckets. The coarser drill cuttings were separated before entering the buckets by using a 10 mesh Tyler screen. The finer (-10 mesh) sediments were collected in the buckets and the excess water was allowed to flow from the buckets back into the mud tank where it was recirculated to the drill.

The drill cuttings were logged continously during drilling. The fine sediments collected in the buckets were sampled at 10 foot intervals throughout the hole with the exception of the last 10 feet where the basal overburden sample was separated from the bedrock sample. Samples averaged 10 to 20 lbs in weight. For the first 28 holes drilled, -10 mesh and +10 mesh cuttings were combined during sampling. For holes NH-84-29 to NH-84-35, the fine and coarse fractions were sampled separtely.

3. Pleistocene Geology

The Pleistocene sediments intersected in the overburden drilling comprised glacial tills and waterlain sediments which are overlain by a layer of lacustrine clay. The overburden averages 65 to 70 feet

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in thickness with of maximum thickness of more than 170 feet.

The clastic pleistocene sediments consist mainly of glacial tills. These vary from clay to sand to pebble tills. They are normally unsorted and display no bedding. The tills are sometimes interlayered or are intersected by well sorted, often bedded, sandy and/or gravelly units. These units are waterlain sediments which represent old fluvial channels, glacial outwashed or reworked tills. The tills on the Neal-Harker claims vary form 5 to 7 feet in thickness. The thicker sections of till occur near the west part of the claims.

The clastic pleistocene sediments are overlain by lacustrine clay. The clay varies in thickness from 5 to 160 feet. The thicker section of clay occurs in a steep valley in the overburden which trends in a NNE-SSW direction.

4. Precambrian Geology

The three rock types encountered on the property were syenite, meta-basic volcanic and talc-chlorite-carbonate schist. The syenite is typically medium to coarse grained with approximately 70% pink feldspar, 20% quartz and minor white feldspar and dark mafics.

The meta-basic volcanic rock is fine grained to aphanitic, medium to dark green, and unfoliated. The volcanic rock was strongly carbonatized and magnetic near the talc-chlorite-carbonate schist unit.

The talc-chlorite-carbonate schist occured along the bedrock trough which trends in a NNE-SSW direction across the property. This unit has a maximum width of 500 meters and possibly represents an intensly altered or sheared zone in the volcanic rock unit.

1-10% cubic pyrite occurs throughout the talc-chlorite-carbonate schist. Locally finely disseminated pyrite also occurs in the syenite and volcanic units in accumulations up to 5%.

5. Analytical Results

In total 54 samples were submitted for geochemical analysis for gold, 44 of these samples were of basal overburden and 10 were of mineralized or altered bedrock. Geochemical analysis was performed by Bell-White Analytical Laboratories of Haileybury, Ontario.

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Each sample was first dried and then halved repeatedly until a sample weighing 1/2-3/4 lb was segregated. This portion was then pulverized and sieved through a -200 mesh. A ½ assay ton or 14.58 grams was then weight out and the gold content extracted using the fire assay technique. The gold content was quantitively recorded by AA.

All rejects were later anaylzed for Cu, Pb and Zn.

6. Geochemical Results

Au.---Anomalous overburden gold values were encountered in 15 of the 35 holes drilled (high of 150 PPb in Hole NH-84-10). All the anomalous holes occupy a continuous area which extend from line 24+00W to the eastern boundary of the property.

Bedrock samples of 7 of the 15 anomalous overburden holes were analyzed for gold because of their pyrite content, all of which contain anomalous values, low of 30 PPb and a high of 120 PPb in Hole NH-84-35.

Geologically, the anomalous area is underlain by a syenite intrusive, possibly altered and fractures with minor quartz veining and erratic pyrite.

Cu, Pb and Zn---Those values range from 11 PPm to 162 PPm in hole NH-84-26, 7 PPm to 278 PPm in hole NH-84-34, 9 PPm to 121 PPm in hole NH-84-27, respectively. All values are erratic and do not appear to delineate any one specific anomalous area.

M. Patrick Lewis

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APPENDIX II

OVERBURDEN DRILL LOGS

HOLES NH-84-1 through NH-84-35.....

LACUSTRINE CLAY

SILT

SAND

GRAVEL

CLAY TILL

V VOLCANIC

+ or S SYENITE

P VISIBLE SULPHIDES
(PYRITE OR PYRRHOTITE)

SAND TILL

PEBBLE TILL

POSSIBLE TILL/GRAVEL

BEDROCK

IIIII TALC CARBONATE SCHIST

W WATER LAIN SEDIMENT

T TILL

KERR ADDISON MINES LIMITED

TYPICAL LEGEND FOR

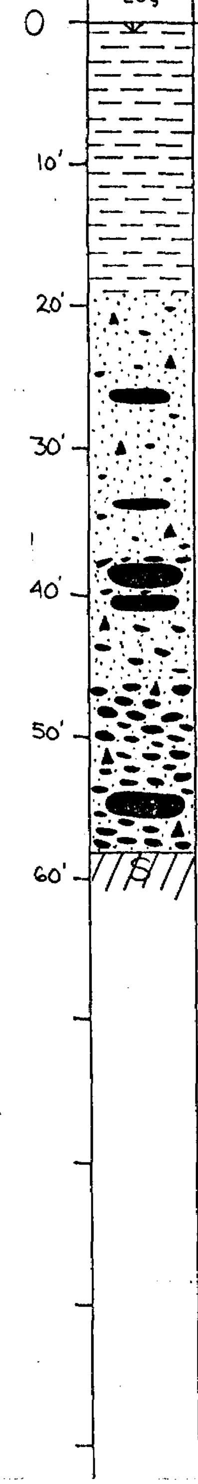
OVERBURDEN DRILL SECTIONS

JAN. 1985 T.B.

EXPLORATION KERR ADDISON INC,
OVERBURDEN DRILL LOG

PROPERTY NEAL · HARKER GEOLOGIST KEN KRYKLYWY DRILLER HEATH & SHERWOOD
HOLE NO. NH-84-01 LOCATION BLO, 17W DEPTH 59'
DATE STARTED/COMPLETED NOV. 8, 1984 ; 4:55pm / NOV. 8, 1984 ; 6:40 pm. DRILL TYPE ACKER · NODWELL

Depth | Graphic Log



Description

ORGANICS : 0' - .5'

CLAY : .5' - 19'
- light brown, mdderately stiff, calcareous

SAND TILL : 19' - 58'
- poorly sorted, pebbly sand with angular pebbles (some sub-rounded pebbles)
- 25 - 50% pebbles - polylithic, less than 1/2 cm in diameter
· pebbles are homogeneous in sand
- 26' - 26.5' - mid-green, fine grained volcanic BOULDER
- 34' - BOULDER - (~4") dark green volcanic
- pebble/cobble till - 37.5' - 58'
- polylithic
- 38' - 39.5' - BOULDER - black-white coarse grained feldspar-quartz-biotite rich granitoid boulder
- 40' - 41' - BOULDER - same as above
- 41' - 45' - mainly dark green volcanic clasts
-increase in sand content to 50% - dominantly angular pebble (some sub-rounded)
- 45' - dominantly rounded, polylithic pebbles with minor sand
- 54' - 55.5' - BOULDER - coarse grained, white feldspar - quartz - biotite rich

BEDROCK : 58' - 59'
- syenite
- coarse grained
- pink feldspar - quartz - white feldspar

END OF HOLE : 59'

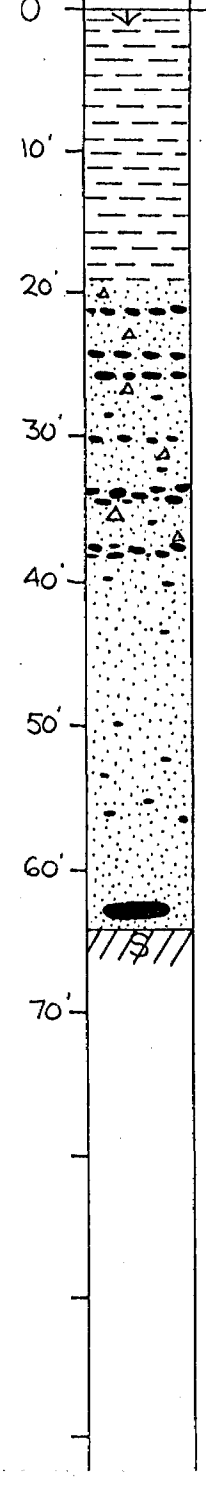
Sample No.	Footage From	Footage To	Sample Length	Assay Au (ppb)		
01	0'	15'	15'			
02	15'	25'	10'			
03	25'	35'	10'			
04	35'	45'	10'			
05	45'	55'	10'			
06	55'	58'	3'	3		
07	58'	59'	1'	2		

EXPLORATION KERR ADDISON INC,
OVERBURDEN DRILL LOG

PROPERTY NEAL - HARKER GEOLOGIST KEN KRYKLYUK DRILLER HEATH & SHERWOOD

HOLE NO NH-84-02 LOCATION 0+10 S, 18W DEPTH 65'

DATE STARTED/COMPLETED NOV. 9, 1984; 8:35 am. / DRILL TYPE ACKER - NODWELL
Nov. 9, 1984; 10:00 am.



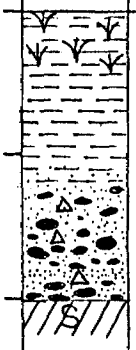
Description	Sample No.	Footage From	Footage To	Sample Length	Assay Au (ppb)
ORGANICS : 0' - 5'					
CLAY : 5' - 19' - light brown, moderately stiff, calcareous	01	0'	15'	15'	
SAND & GRAVEL : 19' - 41' - possibly a till - grey, salt and pepper, poorly sorted - 25% pebbles - polylithic, dominantly angular, up to 5cm in diameter - pebbly beds at 21', 24', 25.5' - a few rounded clasts - 19' - 41' - interbedded sand and pebbles in 0.5' - 3' beds	02	15'	25'	10'	
	03	25'	35'	10'	
SAND : 41' - 64' - 41' - decrease in pebbles to <5% - sand is fine grained, better sorted - 51' - coarser grained sand, poorly sorted, more pebbly - clasts - sub-angular to sub-rounded - 57' - 64' - dominantly sand - 62.5' - 63.0' - boulder	04	35'	45'	10'	
	05	45'	55'	10'	
	06	55'	64'	9'	2
	07	64'	65'	1'	
BEDROCK : 64' - 65' - syenite - coarse grained - light pink feldspar - quartz - white feldspar					
END OF HOLE : 65'					

EXPLORATION KERR ADDISON INC,
OVERBURDEN DRILL LOG

PROPERTY NEAL - HARKER GEOLOGIST K.A. KRYKLYWY DRILLER HEATH & SHERWOOD

HOLE NO. NH-84-03 LOCATION BL0, 19W (Hole 20' in valley) DEPTH 21'

DATE STARTED/COMPLETED NOV. 9, 1984; 10:45 am / DRILL TYPE ACKER - NODWELL
NOV. 9, 1984; 11:15 am.



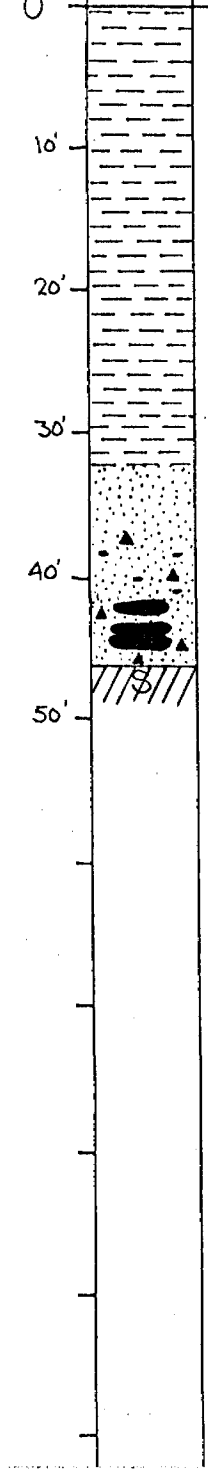
Depth	Graphic Log	Description	Sample No.	Footage From	Footage To	Sample Length	Assay Au (ppb)	
0		ORGANICS & CLAY: 0'-4' - clay - dk grey						
		CLAY: 4'-12' - dk grey, moderately stiff - becomes light grey at 5' - minor pebbles & silt from 5'-8'	01	0'	15'	15'		
10'		SAND: 12-15' - grey, mg, poorly sorted - pebbles (50%) rounded, vol. syenite dom^c	02	15'	20'	5'	16	
20'		GRAVEL: 15'-20' - polylithic, sub-rounded to angular - dom^c syenite & vol., minor qtz.	03	20'	21'	1'		
		- SAND from 18'-18.5' - 12'-20' possibly a zone						
		BEDROCK: 20-21' - syenite						
30'		- cg, red feld., minor white feldspar						
		END OF HOLE: 21'						

EXPLORATION KERR ADDISON INC.
OVERBURDEN DRILL LOG

PROPERTY NEAL - HARKER GEOLOGIST KEN KRYKLYW DRILLER HEATH & SHERWOOD

HOLE NO NH-84-09 LOCATION BL0, 19+85W DEPTH 47'

DATE STARTED/COMPLETED Nov 9, 1984; 11:55am / Nov 9, 1984; 1:00 pm. DRILL TYPE ACKER - NODWELL



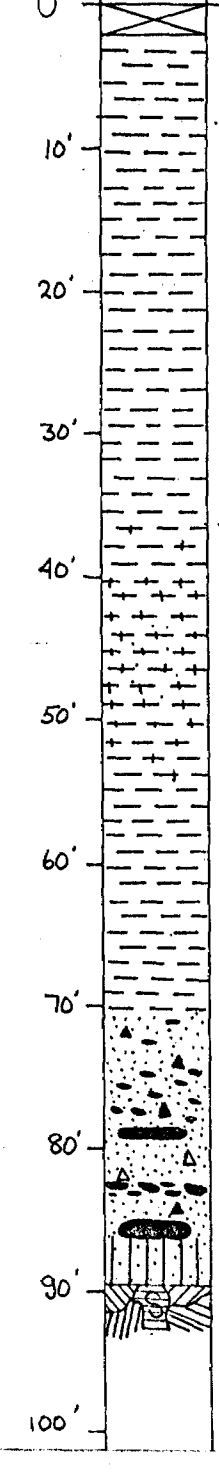
Description	Sample No.	Footage From	Footage To	Sample Length	Assay Au (ppb)
CLAY: 0'-32' - light brown, moderately stiff, calcareous - colour changes to grey at 5'	01	0'	15'	15'	
SAND: 32'-35' - grey, fine grained, <1% pebbles	02	15'	25'	10'	
TILL: 35'-46' - 35' - pebbly sand to gravel - poorly sorted - mainly sub-angular to sub-rounded syenite pebbles with some dark green volcanic pebbles	03	25'	35'	10'	
- 42' - BOULDER - medium grained white feldspar with fine grained mafic minerals - 43' - pebbles are rounded, broken - 43.5'-44' - middle green volcanic BOULDER - 44'-44.5' - BOULDER - pink syenite	04	35'	46'	11'	18
	05	46'	47'	1'	
BEDROCK: 46'-47' - Syenite - coarse grained - pink feldspar - quartz - white feldspar - minor black mafic minerals - minor (<1%) pyrite as cubes up to 2mm					
END OF HOLE: 47'					

EXPLORATION KERR ADDISON INC,
OVERBURDEN DRILL LOG

PROPERTY NEAL - HARKER GEOLOGIST K.A KRYKLYWY DRILLER HEATH & SHERWOOD

HOLE NO NH - 84 - 05 LOCATION BL0 , 21 W DEPTH 92'

DATE STARTED/COMPLETED NOV. 9, 1984 ; 1:30pm / NOV. 9, 1984 ; 3:00pm. DRILL TYPE ACKER : NODWELL



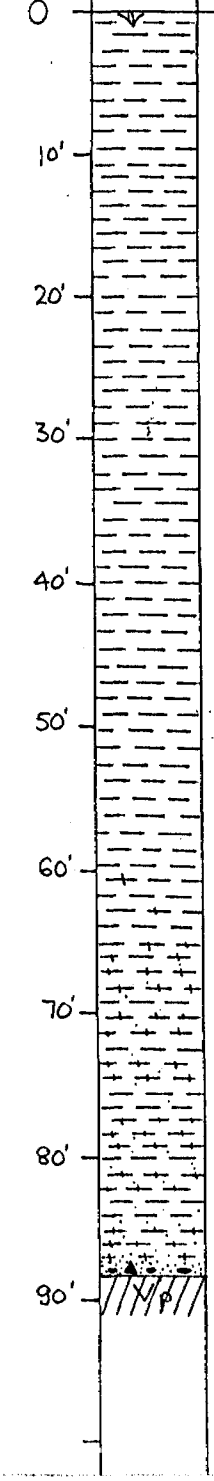
Depth	Description	Sample No.	Footage From	Footage To	Sample Length	Assay Au (ppb)
0	No Return : 0' - 2'					
	CLAY : 2' - 40' - brown , stiff , calcareous - clay becomes grey , soft, calcareous at 8'	01	0'	15'	15'	
	SILT : 40' - 52' - grey , well - sorted - minor amount of fine grained SAND - CLAY bed at 46' - 8" thick	02	15'	25'	10'	
	CLAY : 52' - 70' - grey , soft , calcareous	03	25'	35'	10'	
	TILL : 70' - 86' - fine to medium grained, poorly sorted sand - pebbles - polylithic , sub-angular; - dominately syenite	04	35'	45'	10'	
	- pebbles - polylithic , 10% of the pebble fragments are rounded - BOULDER - 78' - 78.5' - syenite - coarse grained , red feldspar - some clay contamination	NS	45'	55'	10'	
	-79 - 83 - possibly sand/gravel - sandy till - grey , fine to medium grained - pebbles are dominantly syenite and volcanics	05	55'	65'	10'	
	- pebbles from 82' - 83' - sub-angular , visible sulphides in some clasts - BOULDER - 85' - 86' - syenite	06	65'	75'	10'	
	TALC - CARBONATE SCHIST: 86' - 89' - grey clay and mafic volcanic fragments - vol grit in clay !!	07	75'	85'	10'	19
	BEDROCK : 89' - 92' - syenite , coarse grained , pink feldspar - fast drill speed indicates fractured bedrock	08	85'	91'	6'	49
		09	91'	92'	1'	
	END OF HOLE: 92'					

EXPLORATION KERR ADDISON INC,
OVERBURDEN DRILL LOG

PROPERTY NEAL - HARKER GEOLOGIST KEN KRYKLYWY DRILLER HEATH & SHERWOOD

HOLE NO NH-84-06 LOCATION BL0, 22W DEPTH 89'

DATE STARTED/COMPLETED NOV. 9, 1984; 3:35pm / NOV. 9, 1984; 4:30 pm. DRILL TYPE ACKER - NODWELL



ORGANICS: 0' - 5'

CLAY: 5' - 65'

- light brown, moderately stiff, calcareous
- clay becomes grey, soft, calcareous at 10'
- 35 - 85 - Poor Return

SILT: 65' - 87'

- silt with some interbedded clay and minor fine grained sand

SAND & PEBBLES TILL: 87' - 88'

- Syenite and dark green volcanic pebbles

BEDROCK: 88' - 89'

- dark green, fine grained, volcanic
- minor (<1%) pyrite

END OF HOLE : 89'

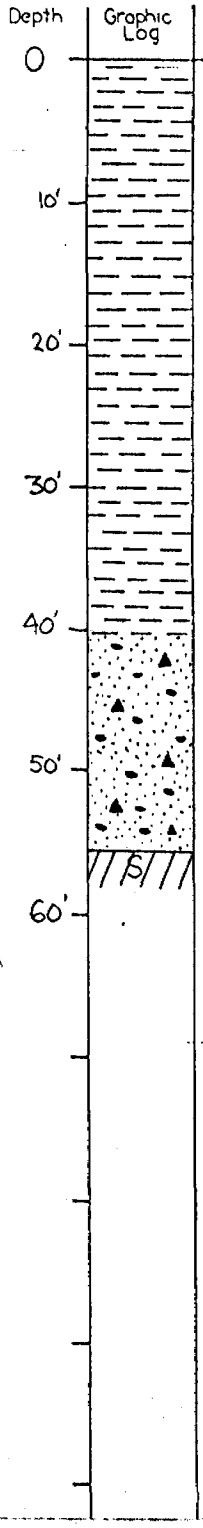
Sample No.	Footage From	Footage To	Sample Length	Assay Au (ppb)	
01	0'	15'	15'		
02	15'	25'	10'		
03	25'	35'	10'		
04	35'	45'	10'		
NS	45'	55'	10'		
NS	55'	65'	10'		
NS	65'	75'	10'		
05	75'	85'	10'		
06	85'	88'	3'	14	
07	88'	89'	1'		

EXPLORATION KERR ADDISON INC,
OVERBURDEN DRILL LOG

PROPERTY NEAL - HARKER GEOLOGIST KEN KRYKLYWY DRILLER HEATH & SHERWOOD

HOLE NO. NH-84-07 LOCATION 4N, 20W DEPTH 56.5

DATE STARTED/COMPLETED NOV. 10, 1984; 10:45pm / NOV. 10, 1984; 11:45pm. DRILL TYPE ACKER - NODWELL



CLAY : 0' - 40'

- light brown, moderately stiff, calcareous
- clay becomes grey, soft
- 25'-35' Poor Return - soft clay washed away

SAND TILL : 40' - 55.5'

- 50% sand, 50% pebbles
- poorly sorted, homogeneous
- pebbles; dominantly dark green volcanic and syenite
  - sub-angular with a few sub-rounded grains
- most pebbles up to 0.5cm

BEDROCK : 55.5' - 56.5'

- syenite
- coarse grained
- pink feldspar - quartz - white feldspar - minor black mafics

END OF HOLE : 56.5'

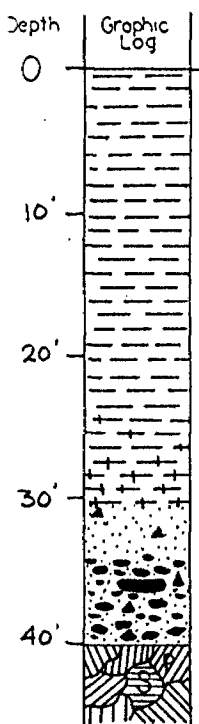
Sample No.	Footage From	Footage To	Sample Length	Assay Au (ppb)	
01	0'	15'	15'		
02	15'	25'	10'		
03	25'	35'	10'		
04	35'	45'	10'		
05	45'	55.5'	10.5'	19	
06	55.5'	56.5'	1'		

EXPLORATION KERR ADDISON INC,
OVERBURDEN DRILL LOG

PROPERTY NEAL - HARKER GEOLOGIST K.A. KRYKLYWY DRILLER HEATH & SHERWOOD

HOLE NO. NH - 84 - 08 LOCATION 4N, 21W DEPTH 45'

DATE STARTED/COMPLETED NOV 10, 1984; 12:15 pm / NOV 10, 1984; 1:10 pm DRILL TYPE ACKER - NODWELL



CLAY : 0' - 27'
- light brown, moderately stiff, calcareous
- 0' - 2' - Poor Return - minor organics and clay
- clay changes to grey, soft, calcareous at 11'

SILT : 27' - 30'
- grey, well sorted

TILL : 30' - 34'
- grey, fine to medium grained poorly sorted
- 20% pebbles - polylithic, 10% of the pebbles show rounding
- GRAVEL bed from 30 - 30.5'
- polylithic, moderately sorted
- pebbles are rounded at the top of the section (30% of the fragments show rounding) and become more angular down
- BOULDER - 35.5' - 36' - volcanic - dark green, fine grained, - minor quartz and pink feldspar

BEDROCK (?) : 40' - 45'
- Syenite
- coarse grained, dominantly red feldspar
- 43' - 44' - mafic volcanic, fine grained, dark green
- some clasts show sharp contact with syenite
- 44' - syenite
- pyrite ~2%, disseminated
- rapid rod descent indicates fractured syenite

END OF HOLE: 45'

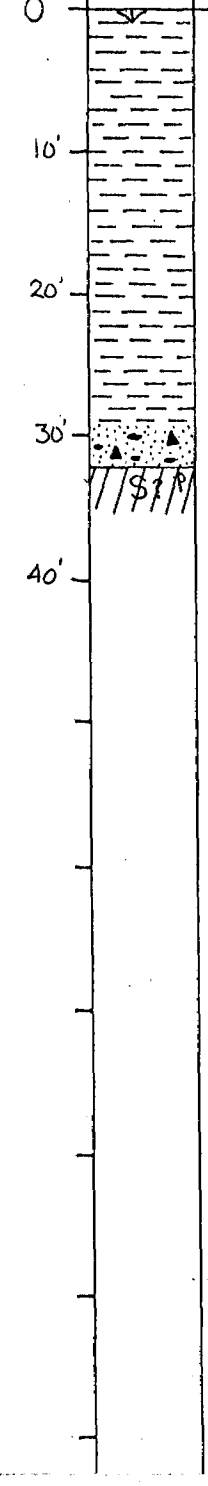
Sample No.	Footage From	Footage To	Sample Length	Assay Au (ppb)	
01	0'	15'	15'		
02	15'	25'	10'		
03	25'	35'	10'		
04	35'	40.5'	5.5'	12	
05	40.5'	45'	4.5'		

EXPLORATION KERR ADDISON INC,
OVERBURDEN DRILL LOG

PROPERTY NEAL - HARKER GEOLOGIST KEN KRYKLYW DRILLER HEATH & SHERWOOD

HOLE NO NH-84-09 LOCATION 4N, 22W DEPTH 35'

DATE STARTED/COMPLETED Nov 10, 1984; 1:40pm / Nov 10, 1984; 2:25pm. DRILL TYPE ACKER - NODWELL



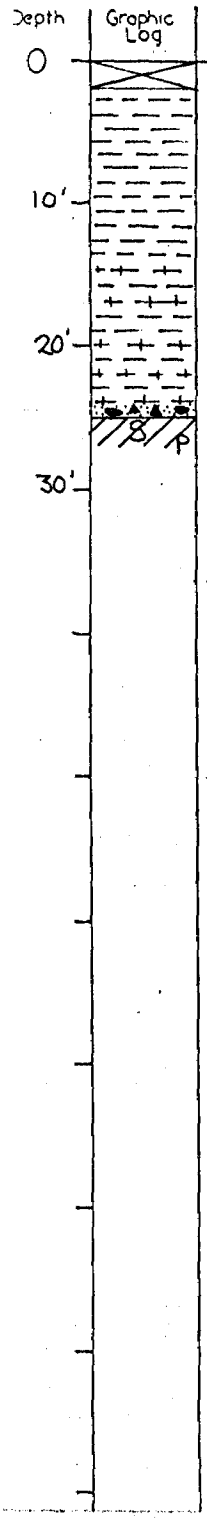
Description	Sample No.	Footage From	Footage To	Sample Length	Assay Au (ppb)	
ORGANICS: 0'-.5'						
CLAY: .5'-22' - light brown, moderately stiff, calcareous	01	0'	15'	15'		
SILT: 22'-29' - minor fine sand	NS	15'	25'	10'		
SAND TILL: 29'-32' - poorly sorted, homogeneous, pebbly sand	02	25'	32'	7'	8	
- pebbles - polylithic, sub-angular	03	32'	35'	3'	34	
BEDROCK: 32'-35' - Syenite ? - coarse grained - 70% pink feldspar - 20% black mafic minerals (biotite?) - 10% quartz - up to 5% fine, disseminated pyrite - mafics may be result of proximity to volcanic rock or this unit may be a large boulder - becomes less mafic rich with depth						
END OF HOLE: 35'						

EXPLORATION KERR ADDISON INC,
OVERBURDEN DRILL LOG

PROPERTY NEAL - HARKER GEOLOGIST K.A. KRYKLYWY DRILLER HEATH & SHERWOOD

HOLE NO NH-84-10 LOCATION 4N, 23W DEPTH 26'

DATE STARTED/COMPLETED Nov 10, 1984; 2:45pm/Nov. 10, 1984; 3:10 pm. DRILL TYPE ACKER - NODWELL



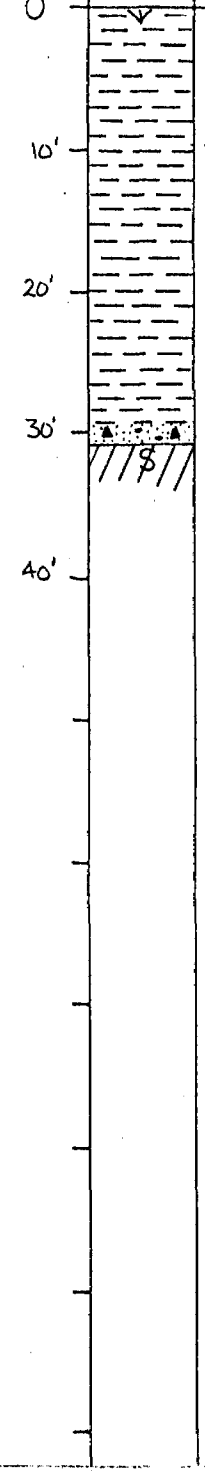
Description	Sample No.	Footage From	Footage To	Sample Length	Assay Au(ppb)
No Return: 0'-2'					
CLAY: 2'-13' · brown, stiff, calcareous	01	0'	15'	15'	
CLAY & SILT: 13'-24' - finely interbedded clay and silt - silt - grey - clay - grey, soft, calcareous - 15'-25'. fine material washed away therefore no sample was collected	NS	15'	25'	10'	
	02	25'	26'	1'	151
TILL: 24'-25' - pebbly till · polylithic					
BEDROCK: 25'-26' · syenite · coarse grained, 20% mafic minerals · visible pyrite ~ 2% · fine, disseminated and veinlets 1mm thick					
END OF HOLE: 26'					

EXPLORATION KERR ADDISON INC,
OVERBURDEN DRILL LOG

PROPERTY NEAL - HARKER GEOLOGIST KEN KRYKLYW DRILLER HEATH & SHERWOOD

HOLE NO NH-84-11 LOCATION 4N, 24W DEPTH 31.5'

DATE STARTED/COMPLETED Nov 10, 1984; 3:35pm / Nov 10, 1984; 4:15 pm. DRILL TYPE ACKER - NODWELL



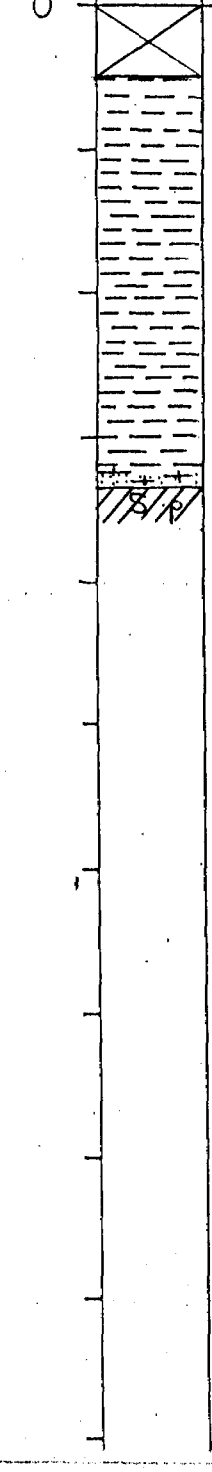
Description	Sample No.	Footage From	Footage To	Sample Length	Assay Au(ppb)
ORGANICS: 0' - 5'					
CLAY: 5' - 29'					
- light brown, moderately stiff, calcareous	01	0'	15'	15'	
- clay becomes grey, soft at 15'					
- 15' - 25' Poor Return - clay washed away	NS	15'	25'	10'	
SAND TILL: 29' - 30.5'					
- poorly sorted, homogeneous, pebbly sand	02	25'	30.5	5.5'	8
- pebbles - polylithic, angular	03	30.5'	31.5'	1'	
BEDROCK: 30.5' - 31.5'					
- syenite					
- coarse grained					
- pink feldspar - quartz - white feldspar					
- minor contamination from sand till					
END OF HOLE: 31.5'					

EXPLORATION KERR ADDISON INC,
OVERBURDEN DRILL LOG

PROPERTY NEAL - HARKER GEOLOGIST K.A KRYKLYWY DRILLER HEATH & SHERWOOD

HOLE NO NH-84-12 LOCATION 4N, 25W DEPTH 35'

DATE STARTED/COMPLETED Nov 10, 1984; 4:35pm / Nov 10, 1984; 5:05pm DRILL TYPE ACKER - NODWELL



Depth	Description	Sample No.	Footage From	Footage To	Sample Length	Assay Au (ppb)	
0	No Return: 0'-5'						
	CLAY: 5'-32.5' - tan, moderately stiff, calcareous - clay becomes grey, soft and calcareous at 6'	01	0'	15'	15'		
		02	15'	25'	10'		
		03	25'	32.5'	7.5'	4	
	SILT & SAND: 32.5'-33.5' - grey silt and grey, fine-grained sand	04	32.5'	33.5'	1'	4	
	BEDROCK: 33.5'-35' - syenite - coarse grained - dominately pink and white feldspar - pyrite <1%, cubic up to 1mm³	05	33.5'	35'	1.5'		
	END OF HOLE: 35'						

EXPLORATION KERR ADDISON INC,
OVERBURDEN DRILL LOG

PROPERTY NEAL - HARKER GEOLOGIST KEN KRYKLYWY DRILLER HEATH / SHERWOOD

HOLE NO NH-84-13 LOCATION 4N, 26W DEPTH 152'

DATE STARTED/COMPLETED Nov 10, 1984; 5:20pm / Nov. 10, 1984; 7:30pm. DRILL TYPE ACKER - NODWELL

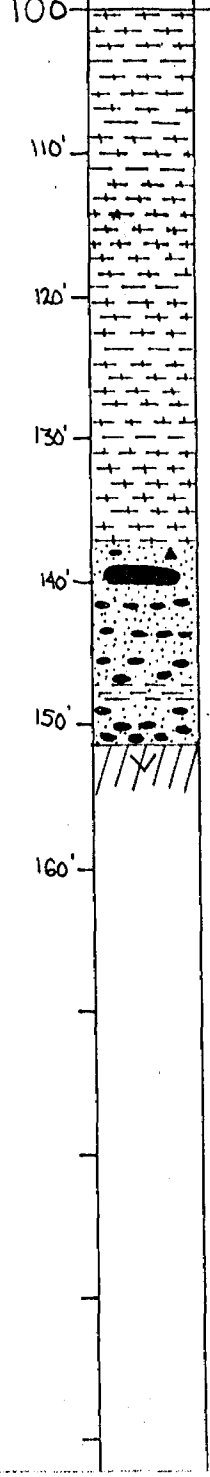
Depth	Graphic Log	Description	Sample No.	Footage From	Footage To	Sample Length	Assay	
0		ORGANIC: 0' - .5'						
		CLAY: .5' - 99'	01	0'	15'	15'		
10'		- light brown, moderately stiff, calcareous						
		- clay becomes grey, soft, calcareous at 10'	02	15'	25'	10'		
20'								
			03	25'	35'	10'		
30'								
		SILT: 99' - 137'						
		- interbedded clay and silt	04	35'	45'	10'		
40'		- 90% silt						
		- clay - stiff, blue-grey coloured	05	45'	55'	10'		
50'								
			06	55'	65'	10'		
60'								
			07	65'	75'	10'		
70'								
			08	75'	85'	10'		
80'								
			09	85'	95'	10'		
90'								
			10	95'	105'	10'		
100'								

EXPLORATION KERR ADDISON INC,
OVERBURDEN DRILL LOG

PROPERTY NEAL - HARKER GEOLOGIST KEN KRYKLYWY DRILLER HEATH & SHERWOOD

HOLE NO. NH-84-13 LOCATION 4N, 26W DEPTH 152'

DATE STARTED/COMPLETED NOV 10, 1984; 5:20pm / NOV 10, 1984; 7:30pm DRILL TYPE ACKER - NODWELL



PEBBLY SAND TILL: 137'-140'

- poorly sorted, homogeneous, 50% sand and 50% pebbles
- polylithic, angular clasts
- 139' - 140' - BOULDER - white feldspar - quartz - black mafic minerals - coarse grained granitoid rock

SAND & GRAVEL: 140'-151'

- abundant rounded clasts up to 1cm
- mostly dark green volcanic
- 147'-148' - minor gritty clay seams
- possibly a TILL

BEDROCK: 151'-152'

- dark grey to black, fine grained, volcanic
- magnetic, no visible sulphides
- minor quartz veins

END OF HOLE: 152'

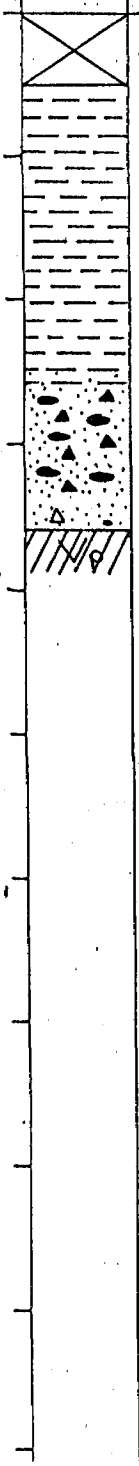
Sample No.	Footage From	Footage To	Sample Length	Assay Au (ppb)	
10	95'	105'	10'		
11	105'	115'	10'		
12	115'	125'	10'		
13	125'	135'	10'		
14	135'	145'	10'	8	
15	145'	151'	6'	10	
16	151'	152'	1'		

EXPLORATION KERR ADDISON INC,
OVERBURDEN DRILL LOG

PROPERTY NEAL - HARKER GEOLOGIST K.A. KRYKLYWY DRILLER HEATH & SHERWOOD

HOLE NO NH-84-14 LOCATION 4N, 37 W DEPTH 37'

DATE STARTED/COMPLETED Nov. 11, 1984; 1:35 pm / Nov 11, 1984; 2:30 pm. DRILL TYPE ACKER - NODWELL



CLAY : 0'-26'

- tan, moderately stiff, calcareous
- No Return from 0'-5' as a result of a plugged bit
- clay becomes grey, soft and calcareous at 9'

TILL : 26'-34'

- pebbles - angular, dominantly mafic volcanic with 20% syenite fragments and minor quartz
- very little sand - 5-20%
- at 32' the sand content increases
- sand - light grey, fine grained

SAND : 34'-36'

- light grey, fine grained
- ~10% pebbles - polylithic, 20% of the fragments show rounding

BEDROCK : 36'-37'

- dark green, fine grained, magnetic volcanic
- 2% visible sulphides - fine, disseminated

END OF HOLE : 37'

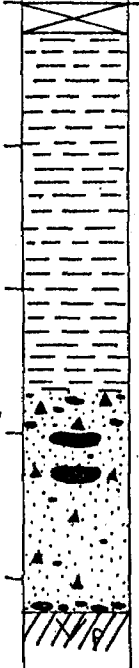
Sample No.	Footage From	Footage To	Sample Length	Assay Au (ppb)
01	0'	15'	15'	
02	15'	25'	10'	
03	25'	36'	11'	7
04	36'	37'	1'	

EXPLORATION KERR ADDISON INC,
OVERBURDEN DRILL LOG

PROPERTY NEAL - HARKER GEOLOGIST K.A. KRYKLYW DRILLER HEATH & SHERWOOD

HOLE NO NH-84-15 LOCATION 4N, 36W DEPTH 43.5'

DATE STARTED/COMPLETED NOV 11, 1984; 3:00pm/ DRILL TYPE ACKER - NODWELL
NOV 11, 1984; 4:25pm.



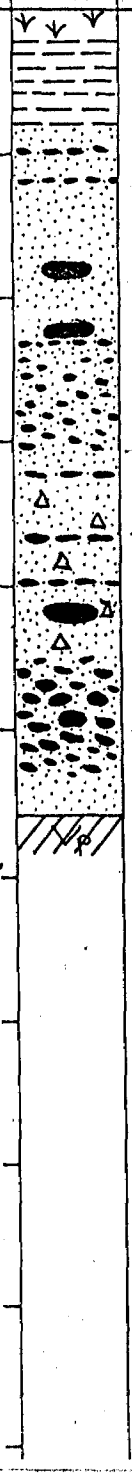
Depth	Description	Sample No.	Footage From	Footage To	Sample Length	Assay Au(ppb)	
0	No Return: 0'-2' -bit plugged						
	CLAY: 2'-27' - tan, stiff, calcareous - clay becomes grey, soft and calcareous at 10'	01	0'	15'	15'		
10'							
20'		02	15'	25'	10'		
30'	TILL: 27'-42.5' - pebbly sand till - approximately equal proportions of sand and pebbles - sand - light grey, fine grained	03	25'	35'	10'		
40'	- pebbles - polylithic, 20% of pebbles are rounded	04	35'	42.5'	7.5'	7	
	- BOULDER - 30'-30.5' - mafic volcanic - fine grained, dark green	05	42.5'	43.5'	1'		
50'	- grey, fine grained, poorly sorted - 10% pebbles - polylithic, rounded - BOULDER - 32.5'-33' - light green, fine grained, volcanic - GRAVEL - 42'-42.5' - polylithic, rounded - possible water table at 42' - large amount of sediment return						
	BEDROCK: 42.5'-43.5' - mafic volcanic - dark green, fine grained - minor quartz veinlets - pyrite < 1%						
	END OF HOLE: 43.5'						

EXPLORATION KERR ADDISON INC,
OVERBURDEN DRILL LOG

PROPERTY NEAL - HARKER GEOLOGIST K.A. KRYKLYWY DRILLER HEATH & SHERWOOD

HOLE NO NH-84-16 LOCATION 4N, 35W DEPTH 57'

DATE STARTED/COMPLETED NOV. 11, 1984; 5:00pm / NOV. 11, 1984; 6:25pm. DRILL TYPE ACKER - NODWELL



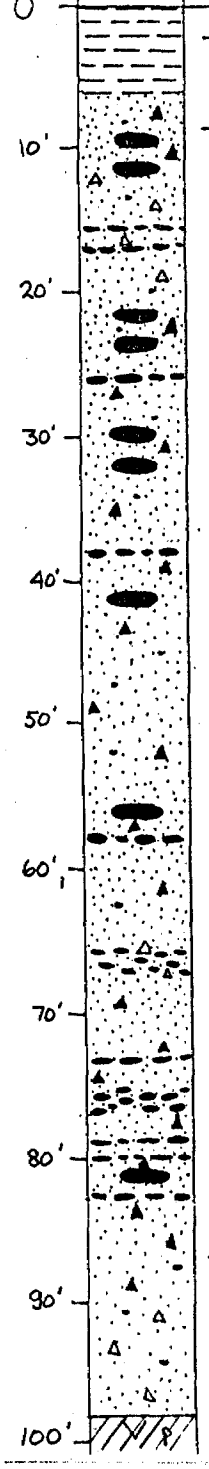
Description	Sample No.	Footage From	Footage To	Sample Length	Assay (gpb)	
ORGANICS: 0'-2' - poor return CLAY: 2'-8' - tan, moderately stiff, calcareous SAND: 8'-23' - light grey, fine grained - poorly sorted to 10' - 10' becomes moderately sorted, fine to medium grained, grey - 5% pebbles - polylithic, rounded - BOULDERS - syenite, coarse grained at 18'-18.5' and 21'-21.5' - feldspar porphyry(?) - fine grained black and coarse grained white fragments at 22'-23' GRAVEL: 23'-31' - pebble sized, polylithic, - 55% of the fragments are rounded - sand bed from 23.5'-24' TILL: 31'-45.5' - grey, fine to medium grained, poorly sorted - pebbles - polylithic, rounded - minor (<6") GRAVEL beds at 32.5', 37' and 40' - polylithic, rounded, cobbles - BOULDER from 42'-42.5' - mafic volcanic, fine grained, dark green - 43' cobbles become dominantly fine grained, charcoal black, rounded GRAVEL: 45.5'-53' - cobbles; fine grained, green, rounded, altered volcanics SAND: 53'-56' - light grey, fine grained, moderately sorted - pebbles - rounded, dominantly volcanic BEDROCK: 56'-57' - dark green, fine grained, mafic volcanic, minor quartz - fine (<.5mm) disseminated py ~5% END OF HOLE: 57'	01	0'	15'	15'		
	02	15'	25'	10'		
	03	25'	35'	10'		
	04	35'	45'	10'		
	05	45'	56'	11'	2	
	06	56'	57'	1'		

EXPLORATION KERR ADDISON INC,
OVERBURDEN DRILL LOG

PROPERTY NEAL - HARKER GEOLOGIST K.A. KRYKLYWY DRILLER HEATH & SHERWOOD

HOLE NO NH - 84 - 17 LOCATION 4N, 34W DEPTH 99'

DATE STARTED/COMPLETED NOV 12, 1984; 8:30 am / NOV 12, 1984; 11:00 am. DRILL TYPE ACKER - NODWELL



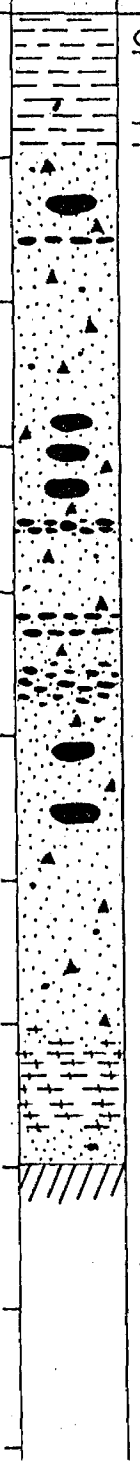
Description	Sample No.	Footage From	Footage To	Sample Length	Assay Au (ppb)		
CLAY : 0' - 6' - brown, moderately stiff, calcareous							
TILL : 6' - 98' - light grey, fine grained, poorly sorted - pebbles - polylithic, angular - BOULDER - 9' - 9.5' - coarse grained, white with black specks - sand is yellow-brown, fine-grained and poorly sorted with angular volcanic clasts from 9.5' - 11.5' - BOULDER - 11' 11.5' - rust colour with mafic streaks - at 11.5' sand becomes moderately sorted. - minor pebble beds (<6") at 15.5' and 17' - at 20' the sand becomes dark grey to black with minor amounts of sub-rounded volcanic pebbles - BOULDER - 21' - 21.5' - mafic volcanic - at 22' sand again becomes light grey and poorly sorted with polylithic, rounded pebbles - few large pebbles - BOULDERS (~6") - feldspar porphry - at 23' - 23.5' - volcanic, fine grained, dark green at 30', 32.5', 56', and 81' - syenite - at 41' - 41.5' - GRAVEL? 65.5' - 67.5' - polylithic, rounded - at 65.5 - 67.5' - rounded, dominantly volcanic pebbles - minor gravel beds (<6") at 26', 38', 58', 79', 80' & 83' - polylithic, rounded gravel from 75' - 77' - at 90' sand becomes dark grey with rounded pebbles which are 80% mafic volcanic comp.	01	0'	15'	15'			
	02	15'	25'	10'			
	03	25'	35'	10'			
	04	35'	45'	10'			
	05	45'	55'	10'			
	06	55'	65'	10'			
	07	65'	75'	10'			
	08	75'	85'	10'			
	09	85'	95'	10'			
BEDROCK: 98 - 99' - volcanic, fine-grained, dark green - minor quartz and pyrite < 1% END OF HOLE : 99'	10	95'	98'	3'	3		
	11	98'	99'	1'			

EXPLORATION KERR ADDISON INC,
OVERBURDEN DRILL LOG

PROPERTY NEAL - HARKER GEOLOGIST K.A. KRYKLYWY DRILLER HEATH & SHERWOOD

HOLE NO. NH-84-18 LOCATION 4N, 33W DEPTH 81.5'

DATE STARTED/COMPLETED NOV 12, 1984; 12:20 pm / NOV 12, 1984; 1:30 pm. DRILL TYPE ACKER - NODWELL



CLAY : 0' - 9'
- brown, moderately stiff, calcareous

TILL : 9' - 72'
- light grey, fine grained, poorly sorted
- pebbles - polylithic, angular (10% are rounded)
- 13' - 13.5' - BOULDER - green-grey, black specks, fine grained
- 15.5' - 16' - minor pebble bed - polylithic, rounded
- better sorting from 23'
- sand pebbles are mafic and felsic volcanics, syenite, quartz and feldspar
- 28' - 28.5' - BOULDER - mafic volcanic, fine grained, dark green
- 30' - 30.5' - BOULDER - white with black specks and minor pink feldspar
- 32.5' - 33' - same lithology BOULDER
- 35' - 36' - pebbles - polylithic, rounded (40% of clasts)
- 42' & 43' Minor GRAVEL beds
- 45' - 48' - pebbles - polylithic, rounded
- 51 - 51.5' - BOULDER - volcanic, dark green, fine grained
- 51' - 54' - sand becomes dark grey with pebbles that are 95% mafic volcanic
- 55' - 55.5' - BOULDER - volcanic, dark green, fine grained, minor feldspar
- 56' - 58' - sand becomes dark grey with angular mafic volcanic fragments

SILT : 72' - 77'
- light grey, well sorted, minor fine grained sand

SAND : 77' - 80'
- light grey, fine to medium grained, moderately sorted
- 5% pebbles - polylithic, rounded

BEDROCK : 80' - 81.5'
- grey-green, fine grained, felsic volcanic
- minor pyrite and pyrrhotite - possible sericite schist

END OF HOLE : 81.5'

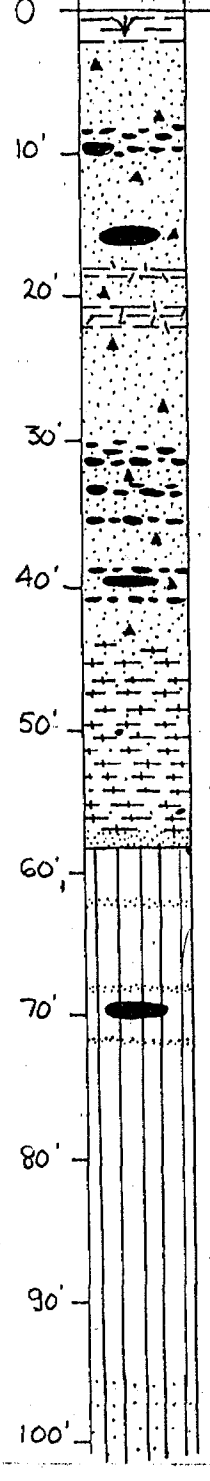
Sample No.	Footage From	Footage To	Sample Length	Assay Au (ppb)	
01	0'	15'	15'		
02	15'	25'	10'		
03	25'	35'	10'		
04	35'	45'	10'		
05	45'	55'	10'		
06	55'	65'	10'		
07	65'	75'	10'		
08	75'	80'	5'	2	
09	80'	81.5'	1.5'		

EXPLORATION KERR ADDISON INC,
OVERBURDEN DRILL LOG

PROPERTY NEAL - HARKER GEOLOGIST K.A. KRYKLYWY DRILLER HEATH & SHERWOOD

HOLE NO. NH-84-19 LOCATION 375 N, 32 W DEPTH 189'

DATE STARTED/COMPLETED NOV. 12, 1984; 2:10 pm. / NOV. 13, 1984; 5:45 pm. DRILL TYPE ACKER - NODWELL



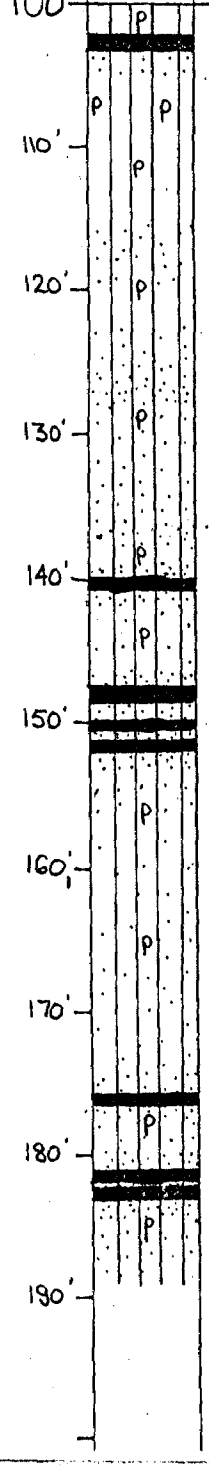
Description	Sample No.	Footage From	Footage To	Sample Length	Assay Au (ppb)	
ORGANICS & CLAY: 0'-2' - brown, gritty TILL: 2'-45' - light brown, fine to medium grained, poorly sorted 10% pebbles - polylithic, 40% are rounded - sand becomes light grey at 7' - 8'-10' - pebbles - polylithic, rounded, dominantly green, fine grained volcanic - 15.5'-16' - BOULDER - dark green, fine grained volcanic - 18'-18.5' and 20.5'-22' - CLAY - grey, gritty, calcareous - 30'-32' and 33'-34' - pebble beds polylithic, rounded. - 35.5' and 39' - minor (<6") pebble beds - 39.5'-40' - BOULDER - mafic volcanic - fine grained, dark green - 41' - minor pebble bed	01	0'	15'	15'		
	02	15'	25'	10'		
	03	25'	35'	10'		
	04	35'	45'	10'		
	05	45'	55'	10'		
SILT: 45'-57' - light grey, moderately well sorted - minor fine grained sand and <5% pebbles	06	55'	58'	3'		
	07	58'	65'	7'	2	
SAND: 57'-58' - grey; fine grained, moderately sorted - 5% pebbles - polylithic, rounded	08	65'	75'	10'	4	
TALC - CARBONATE SCHIST: 58'-189' - green grey, gritty, calcareous - grit - fine grained, dark grey sand - mafic volcanic pebbles <5% - 62'-62.5' - SAND - dark grey, 10% volcanic pebbles - same type of sand from 68'-68.5'	09	75'	85'	10'		
	10	85'	95'	10'		
	11	95'	102'	7'		

EXPLORATION KERR ADDISON INC,
OVERBURDEN DRILL LOG

PROPERTY NEAL - HARKER GEOLOGIST K.A. KRYKLYWY DRILLER HEATH & SHERWOOD

HOLE NO NH-84-19 LOCATION 375N, 32W DEPTH 189'

DATE STARTED/COMPLETED NOV 12, 1984; 2:10 pm / DRILL TYPE ACKER - NODWELL
NOV 13, 1984; 5:45 pm.



Description	Sample No.	Footage From	Footage To	Sample Length	Assay Au (ppb)	
-69.5'-70' - BOULDER - white, coarse grained feldspar with fine grained mafic minerals throughout	11	95'	102'	7'		
	12	102'	105'	3'		
- 72' - minor dk grey SAND bed - 92' - increase in mafic volcanic grit to 20%	13	105'	115'	10'	3	
- 95' - colour change to pearly (almost metallic grey) - visible sulphides in matrix - cubic pyrite up to 1mm - 1-10% - scattered	14	115'	125'	10'		
- 100' - lumps become hard, flaky and white inside, pearly grey outside - 102' - returns to moderately soft, sticky texture, with mafic volcanic pebbles inside 'balls' - gritty - 5% grit	15	125'	135'	10'		
- 104.5' - some 'balls' are hard, flaky and white in the centre, others are scattered with mafic volcanic grit - all have pearly grey matrix - cubic pyrite up to 2mm, 2-10%	16	135'	145'	10'		
- 105'-110' - high percentage (~10%) of pyrite cubes throughout section - 115'-120' - increase in the amount of volcanic grit to 20%, less flaky	17	145'	155'	10'		
- 122'-128' - volcanic grit starts at ~10% and increases to 50% downward - 128'-138' - cycle of grit repeats	18	155'	165'	10'		
- 140'-140.5' "BOULDER" - dark green, fine grained, mafic volcanic - same type of 'boulders' (~6") at 150', 151', 176', 181', 182.5' - speed of rod descent indicates possible monolithic gravel instead of boulders	19	165'	175'	10'		
- hole was stopped at 189' because of problems with casing - slow END OF HOLE: 189'	20	175'	185'	10'		
	21	185'	189'	4'		

EXPLORATION KERR ADDISON INC,
OVERBURDEN DRILL LOG

PROPERTY NEAL - HARKER GEOLOGIST K.A. KRYKLYWY DRILLER HEATH & SHERWOOD

HOLE NO. NH-84-20 LOCATION 4N, 31W DEPTH 49'

DATE STARTED/COMPLETED Nov. 14, 1984; 1:55 pm. / Nov 14, 1984; 2:40 pm. DRILL TYPE ACKER - NODWELL

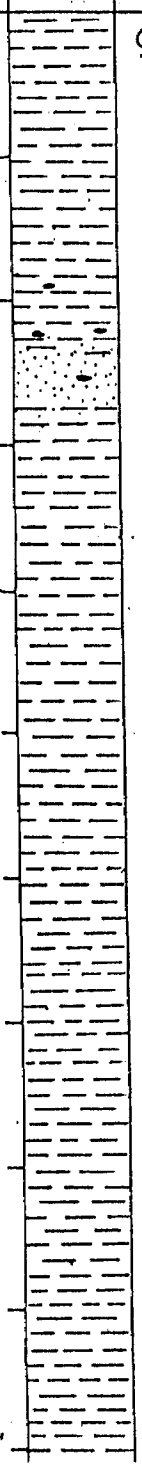
Depth	Graphic Log	Description	Sample No.	Footage From	Footage To	Sample Length	Assay Au (ppb)
0		**CLAY : 0' - 46'**					
		- brown, moderately stiff, calcareous	01	0'	15'	15'	
10'		- clay becomes grey, soft, calcareous at 4'					
20'			02	15'	25'	10'	
30'			03	25'	35'	10'	
40'			04	35'	46'	11'	33
		TALC - CARBONATE SCHIST: 46'-49'					
	P		05	46'	49'	3'	4
50'		- talc with cubic pyrite, 1-2 %					
		- metallic grey, soft,					
		- 15 % volcanic pebbles					
		- pebbles - magnetic, visible pyrite and pyrrhotite in them ~2%					
		END OF HOLE : 49'					

EXPLORATION KERR ADDISON INC,
OVERBURDEN DRILL LOG

PROPERTY NEAL - HARKER GEOLOGIST K.A. KRYKLYWY DRILLER HEATH & SHERWOOD

HOLE NO NH - 84 - 21 LOCATION 4 N ; 30 W DEPTH 116'

DATE STARTED/COMPLETED Nov. 14, 1984; 3:20pm / Nov. 14, 1984; 4:45pm. DRILL TYPE ACKER - NODWELL



CLAY : 0' - 23'

- minor organics near the top
- tan, soft, calcareous
- clay changes to grey colour at 4.5'
- minor pebbles in clay from 18'
  - the pebbles are dominantly mafic volcanic

SAND : 23' - 27'

- grey, fine grained, moderately sorted

CLAY : 27' - 103'

- green-grey, soft, calcareous

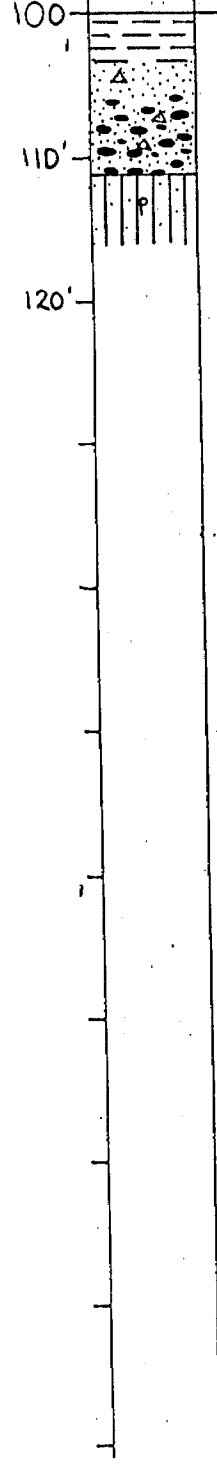
Sample No.	Footage From	Footage To	Sample Length	Assay	
01	0'	15'	15'		
02	15'	25'	10'		
03	25'	35'	10'		
04	35'	45'	10'		
05	45'	55'	10'		
06	55'	65'	10'		
07	65'	75'	10'		
08	75'	85'	10'		
09	85'	95'	10'		
10	95'	105'	10'		

EXPLORATION KERR ADDISON INC,
OVERBURDEN DRILL LOG

PROPERTY NEAL - HARKER GEOLOGIST K.A. KRYKLYWY DRILLER HEATH & SHERWOOD

HOLE NO NH-84-21 LOCATION 4N, 30W DEPTH 116'

DATE STARTED/COMPLETED Nov. 14, 1984; 3:20pm / Nov. 14, 1984; 4:45pm DRILL TYPE ACKER - NODWELL



SAND: 103' - 106'
- grey, fine grained, moderately sorted
- possibly TILL

GRAVEL: 106' - 111'
- polylithic, rounded
- mostly volcanic fragments
- also syenite, quartz, feldspar and other lithologies
- water table at 100'
- possibly TILL

TALC CARBONATE SCHIST: 111'-116'
- alteration product?
- metallic grey, soft, clay sized particles
- mafic volcanic grit, 10%
- disseminated cubic pyrite <1%

END OF HOLE: 116'

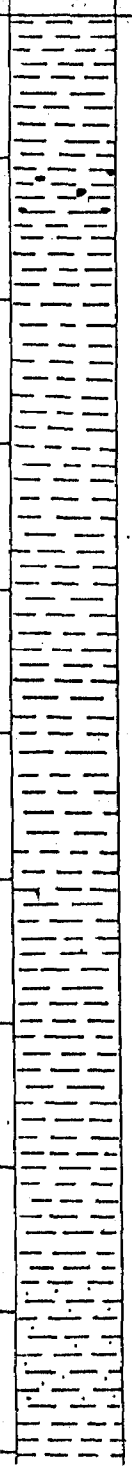
Sample No.	Footage From	Footage To	Sample Length (ft)	Assay	
10	95'	105'	10'		
11	105'	111'	6'	3	
12A 12B 12C	111'	116'	5'	8 14 3	
(2 samples 12, one spare)					

EXPLORATION KERR ADDISON INC,
OVERBURDEN DRILL LOG

PROPERTY NEAL - HARKER GEOLOGIST K.A. KRYKLYWY DRILLER HEATH & SHERWOOD

HOLE NO. NH-84-22 LOCATION 4N, 29W DEPTH 146'

DATE STARTED/COMPLETED Nov. 14, 1984; 5:20pm / Nov. 14, 1984; 7:35pm. DRILL TYPE ACKER - NODWELL



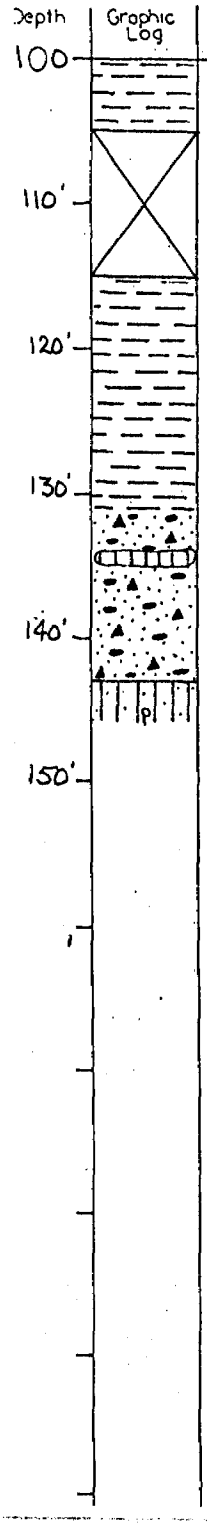
Description	Sample No.	Footage From	Footage To	Sample Length	Assay	
CLAY : 0' - 131' - dark grey, moderately stiff, calcareous - turns light grey, soft and calcareous at 3' - 10% volcanic pebbles in clay from 11' - 14'	01	0'	15'	15'		
	02	15'	25'	10'		
	03	25'	35'	10'		
	04	35'	45'	10'		
	05	45'	55'	10'		
	06	55'	65'	10'		
	07	65'	75'	10'		
	08	75'	85'	10'		
- medium grained, sand sized volcanic grit in clay from 88' - 97'	09	85'	95'	10'		
	10	95'	105'	10'		

EXPLORATION KERR ADDISON INC,
OVERBURDEN DRILL LOG

PROPERTY NEAL - HARKER GEOLOGIST K.A. KRYKLYWY DRILLER HEATH & SHERWOOD

HOLE NO NH-84-22 LOCATION 4N, 29W DEPTH 146'

DATE STARTED/COMPLETED NOV 14, 1984; 5:20pm / NOV 14, 1984; 7:35pm. DRILL TYPE ACKER - NODWELL



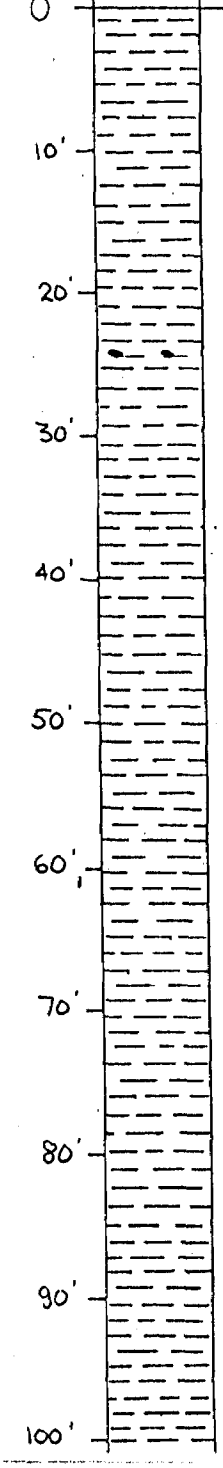
Description	Sample No.	Footage From	Footage To	Sample Length	Assay Au (ppb)	Assay
	10	95'	105'	10'		
- No Return from 105'-115' - fine clay washed away	NS	105'	115'	10'		
- Poor Return from 115'-125' - clay and minor amount of dark grey silt washed away	11	115'	125'	10'		
TILL: 131'-134' - pebbly till - polylithic, angular (5% rounded) - dominantly mafic volcanic fragments - also minor syenite & quartz	12	125'	135'	10'		
	13	135'	143'	8'	2	
	14	143'	146'	3'	11	
- 134'-135' - BOULDER? - talc - carbonate - metallic grey with volcanic, dark green, fine grained grit						
- pebble till - polylithic, 20% clay - dominantly mafic volcanic with smaller, angular clasts of quartz, syenite and other lithologies making up 20% of the pebbles						
- 140'-143' SAND TILL - fine to medium grained, poorly sorted						
TALC - CARBONATE SCHIST: 143'-146' - metallic grey, calcareous, clay sized, 5% volcanic grit, - minor cubic pyrite - some pellets white, flaky inside - can see remnant foliation						
			END OF HOLE: 146'			

EXPLORATION KERR ADDISON INC,
OVERBURDEN DRILL LOG

PROPERTY NEAL - HARKER GEOLOGIST K.A KRYKLYWY DRILLER HEATH & SHERWOOD

HOLE NO NH-84-23 LOCATION 3+90 N, 28W (creek at 4+05N) DEPTH 177'

DATE STARTED/COMPLETED NOV. 15, 1984; 8:35am / NOV. 15, 1984; 11:20 am DRILL TYPE ACKER - NODWELL



CLAY : 0' - 161'

- minor organics in the first 1'
- brown, moderately stiff, calcareous
- clay becomes grey, soft and calcareous at 7'
- minor volcanic pebbles in clay from 24' - 24.5'

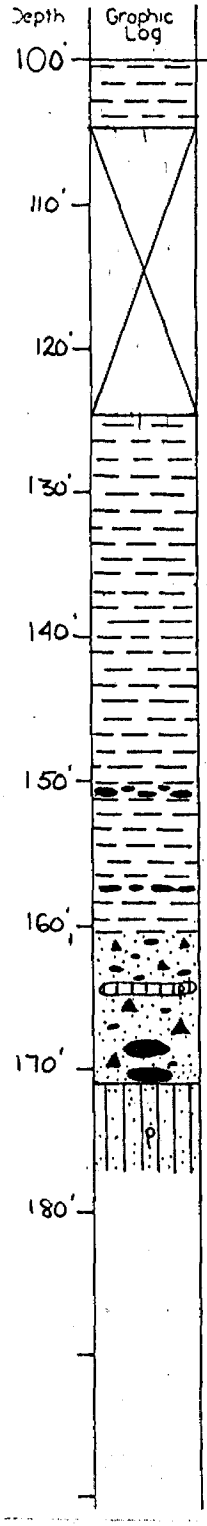
Description	Sample No.	Footage From	Footage To	Sample Length	Assay Au(ppb)		
	01	0'	15'	15'			
	02	15'	25'	10'			
	03	25'	35'	10'			
	04	35'	45'	10'			
	05	45'	55'	10'			
	06	55'	65'	10'			
	07	65'	75'	10'			
	08	75'	85'	10'			
	09	85'	95'	10'			
	10	95'	105'	10'			

EXPLORATION KERR ADDISON INC,
OVERBURDEN DRILL LOG

PROPERTY NEAL - HARKER GEOLOGIST K.A. KRYKLYWY DRILLER HEATH & SHERWOOD

HOLE NO NH - 84 - 23 LOCATION 3+90 N, 28W (creek at 4+05 N) DEPTH 177'

DATE STARTED/COMPLETED NOV 15, 1984; 8:35 am / NOV 15, 1984; 11:20 am. DRILL TYPE ACKER - NODWELL



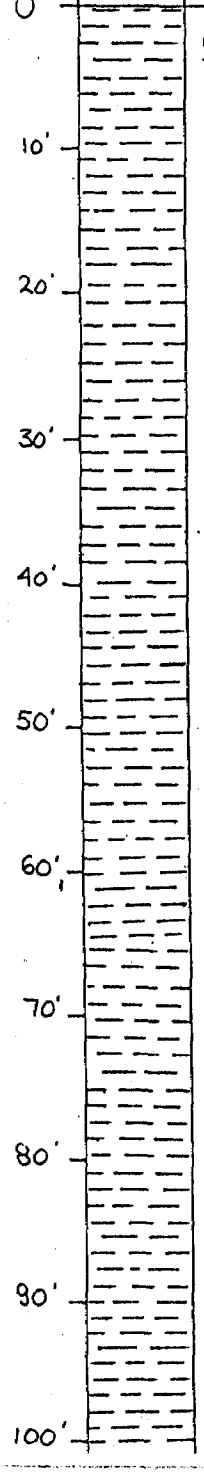
Description	Sample No.	Footage From	Footage To	Sample Length Au(ppb)	Assay	
	10	95'	105'	10'		
No Return from 105'-125' and Poor Return from 125'-155' - fine clay washed away - Volcanic pebbles at 151' for <6" - minor (<6") gravel bed at 158'	NS	105'	115'	10'		
TILL: 161'-164.5' - pebble till - polylithic, angular (5% of the clasts are rounded) - dominant lithology is mafic volcanics, also smaller quartz grains and other lithologies - 164.5'-165' - BOULDER? - talc-carbonate schist - metallic grey with volcanic grit - 1% cubic pyrite	11	115'	125'	10'		
	12	125'	135'	10'		
	NS	135'	145'	10'		
- grey, fine to medium grained, poorly sorted - 10% pebbles - polylithic - syenite Boulder at 168'-168.5' - altered volcanic boulder at 170'-171' - dark green, fine grained, calcareous	NS	145'	155'	10'		
	13	155'	165'	10'		
	14	165'	170'	5'	12	
TALC - CARBONATE SCHIST: 171'-177' - pearly - grey, soft - volcanic grit and small chert and quartz fragments for top 6" - minor (<2%) pyrite and pyrrhotite - increase in clast content (volcanic) to ~20% at 175' - becomes darker grey with less clasts and sulphides at 177'	15	170'	172'	2'	12	
	16	172'	177'	5'	3	
END OF HOLE: 177'						

EXPLORATION KERR ADDISON INC,
OVERBURDEN DRILL LOG

PROPERTY NEAL - HARKER GEOLOGIST K.A. KRYKLYWY DRILLER HEATH & SHERWOOD

HOLE NO. NH-84-24 LOCATION 4N, 27W (beside Ghost River) DEPTH 189'

DATE STARTED/COMPLETED Nov 15, 1984; 12:15 pm / Nov 15, 1984; 2:55 pm. DRILL TYPE ACKER - NODWELL



Description

CLAY : 0' - 101'

- brown, moderately stiff, calcareous
- colour changes to dark grey at 4'
- clay turns grey (light), soft and calcareous at 11'

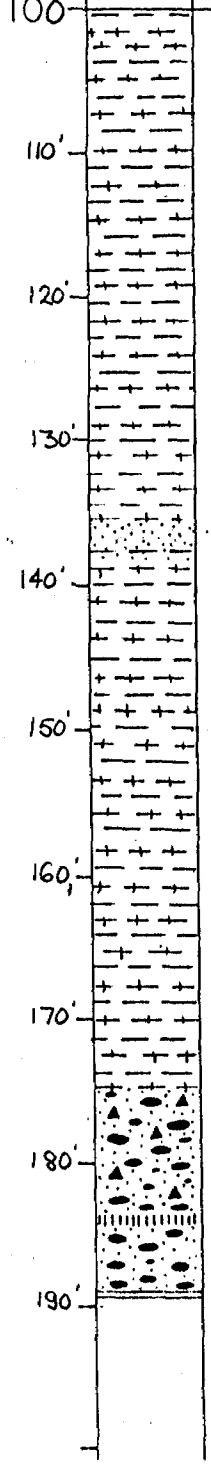
Sample No.	Footage From	Footage To	Sample Length	Assay	
01	0	15'	15'		
02	15'	25'	10'		
03	25'	35'	10'		
04	35'	45'	10'		
05	45'	55'	10'		
06	55'	65'	10'		
07	65'	75'	10'		
08	75'	85'	10'		
09	85'	95'	10'		
10	95'	105'	10'		

EXPLORATION KERR ADDISON INC,
OVERBURDEN DRILL LOG

PROPERTY NEAL - HARKER GEOLOGIST K.A. KRYKLYWY DRILLER HEATH & SHERWOOD

HOLE NO. NH-84-24 LOCATION 4N, 27W (beside Ghost River) DEPTH 189'

DATE STARTED/COMPLETED NOV. 15 1984; 12:15pm / NOV. 15, 1984; 2:55 pm. DRILL TYPE ACKER - NODWELL



Description

- grey, fine grained silt from 101'-103'
- Poor Return from 105'-125'
  - fine material washed away

SILT & CLAY: 103'-175'

- finely interbedded silt and clay
  - silt - grey
  - clay - grey, moderately stiff
  - SAND - 136'-138' - grey, fine grained, well sorted
  - 145'-165' No Return and 165'-175' Poor Return - fine material washed away

TILL: 175'-184.5'

- Cobble Till
- poorly sorted, fine grained to cobbles
- pebbles and cobbles - polylithic, angular (10% are rounded)
- sand - grey
- 184'-184.5'
  - metallic, grey, volcanic grit

GRAVEL: 184.5'-189'

- polylithic, rounded, poorly sorted
- hit water table at 189'
- abundance of sediment
- very slow descent of rod
- ∴ hole stopped at 189' - high water pressure

END OF HOLE: 189'

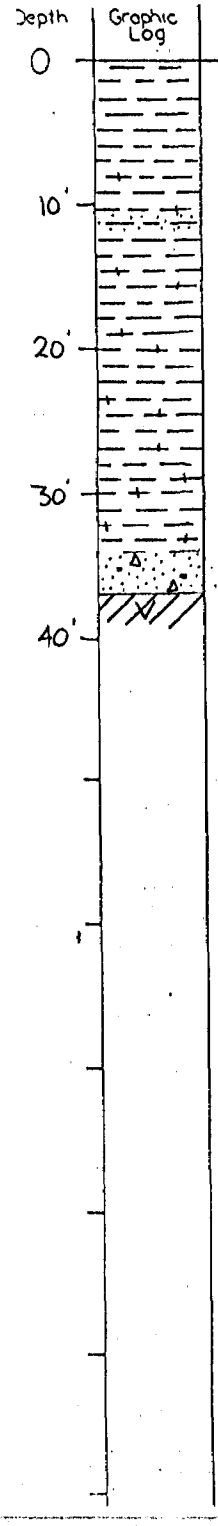
Sample No.	Footage From	Footage To	Sample Length	Assay Au(ppb)	
10	95'	105'	10'		
11	105'	115'	10'		
NS	115'	125'	10'		
12	125'	135'	10'		
13	135'	145'	10'		
NS	145'	155'	10'		
NS	155'	165'	10'		
14	165'	175'	10'		
15	175'	185'	10'	3	
16	185'	189'	4'	2	

EXPLORATION KERR ADDISON INC,
OVERBURDEN DRILL LOG

PROPERTY NEAL - HARKER GEOLOGIST K.A. KRYKLYWY DRILLER HEATH & SHERWOOD

HOLE NO. NH-84-25 LOCATION BL0, 27W DEPTH 38'

DATE STARTED/COMPLETED Nov. 14, 1984; 4:05pm / Nov. 14, 1984; 5:30pm DRILL TYPE ACKER - NODWELL



CLAY : 0' - 34'

- brown, moderately stiff, calcareous
- clay becomes grey, soft and calcareous at 4'
- high percentage of silt from 6' (30%)
- 6' - 15' Poor Return and 15' - 25' No Return - fine silt and clay washed away
- minor SAND from 11' - 12'
  - grey, fine grained

SAND : 34' - 37'

- grey, fine grained, moderately sorted
- pebbles - polylithic, rounded
  - minor amount
  - possibly a till

BEDROCK : 37' - 38'

- altered mafic volcanic
- dark grey, calcareous, fine grained, magnetic
- minor pink feldspar

END OF HOLE : 37'

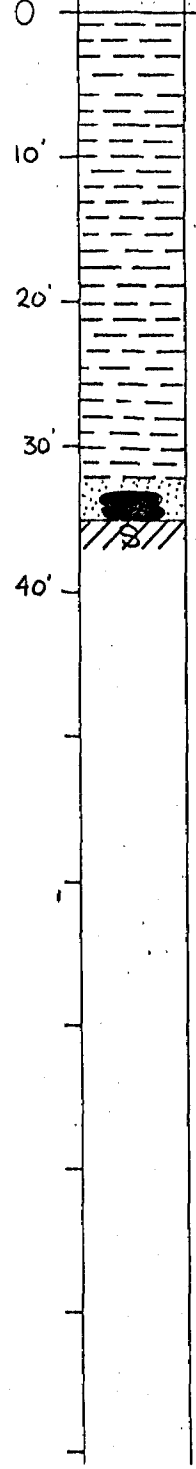
Sample No.	Footage From	Footage To	Sample Length (m/ppb)	Assay
01	0'	15'	15'	
NS	15'	25'	10'	
NS	25'	35'	10'	
02	35'	37'	2'	3
03	37'	38'	1'	

EXPLORATION KERR ADDISON INC,
OVERBURDEN DRILL LOG

PROPERTY NEAL - HARKER GEOLOGIST KA KRYKLYWY DRILLER HEATH & SHERWOOD

HOLE NO NH-84-26 LOCATION BL0, 26W DEPTH 36.5'

DATE STARTED/COMPLETED NOV. 16, 1984; 9:30am / NOV. 16, 1984; 10:30am. DRILL TYPE ACKER-NODWELL



CLAY: 0' - 32.5'

- brown, moderately stiff, calcareous
- clay becomes grey, soft and calcareous at 11'

TILL: 32.5' - 35'

- light grey, fine to medium grained, moderately sorted
- boulders: 33'-35'
- 33'-34' - mafic volcanic
  - mid to dark green, fine grained, magnetic, altered
  - 30% quartz
- 34'-35' - fine grained, light green
  - silicification and brown alteration

BEDROCK (?): 35' - 36.5'

- syenite
- coarse grained
  - dominantly red feldspar
- minor white feldspar and mafic minerals

END OF HOLE: 36.5'

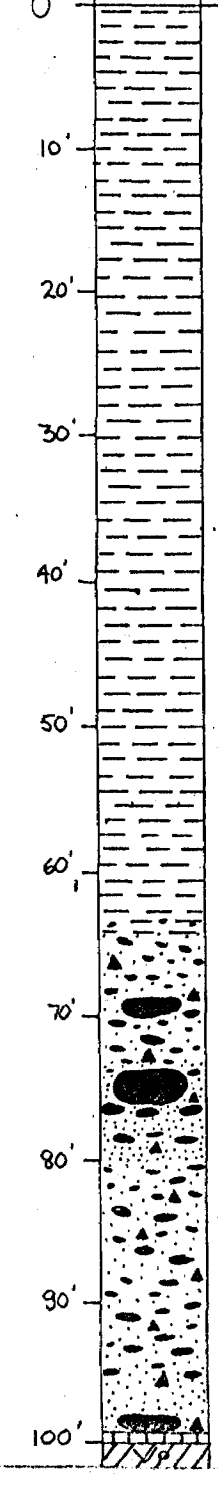
Sample No.	Footage From	Footage To	Sample Length	Assay Au (ppb)
01	0'	15'	15'	
02	15'	25'	10'	
03	25'	33'	8'	2
04	33'	35'	2'	2
05	35'	36.5'	1.5'	

EXPLORATION KERR ADDISON INC,
OVERBURDEN DRILL LOG

PROPERTY NEAL - HARKER GEOLOGIST K.A. KRYKLYWY DRILLER HEATH & SHERWOOD

HOLE NO NH-84-27 LOCATION BL0, 25W DEPTH 101'

DATE STARTED/COMPLETED NOV. 16, 1984; 10:50am / NOV. 16, 1984; 2:40pm. DRILL TYPE ACKER - NODWELL



CLAY: 0' - 64'

- brown, moderately stiff, calcareous
- clay becomes grey, soft and calcareous at 10'
- 45'-55' - Poor Return - fine clays washed away
- 63'-64' - fine mafic volcanic pebbles in the clay

TILL: 64' - 99'

- polylithic, moderately sorted, sub-rounded
- pebble size clasts of volcanic fragments and smaller, rounded quartz and feldspar clasts
- more angular and poorer sorting from 67'
- 69'-70' - BOULDER - black and white, coarse grained
- 20% white and light green minerals
- 70' - large amount of sediments from a WATER TABLE
  - poorly sorted, polylithic, rounded
- 73' - increase to ~30% grey SAND
- 74'-76' - BOULDER - green, fine grained, altered volcanic - lot of contamination from water table
- 76' - cobbles-, polylithic, rounded - 2 cm. diameter
- 77'-78' and 79'-80' - SAND
  - fine grained, grey, poorly sorted
- 75'-85' - lot of sediment from water table

Sample No.	Footage From	Footage To	Sample Length	Assay Au (ppb)	Assay
01	0'	15'	15'		
02	15'	25'	10'		
03	25'	35'	10'		
04	35'	45'	10'		
NS	45'	55'	10'		
05	55'	65'	10'		
06	65'	75'	10'		
07	75'	85'	10'		
08	85'	95'	10'		
09	95'	99'	4'	2	
10	99'	101'	2'	7	

EXPLORATION KERR ADDISON INC,
OVERBURDEN DRILL LOG

PROPERTY NEAL · HARKER GEOLOGIST K.A. KRYKLYWY DRILLER HEATH & SHERWOOD

HOLE NO NH-84-27 LOCATION BL0, 25W DEPTH 101'

DATE STARTED/COMPLETED NOV. 16, 1984; 10:50am/ DRILL TYPE ACKER · NODWELL
Nov. 16, 1984; 2:40 pm.

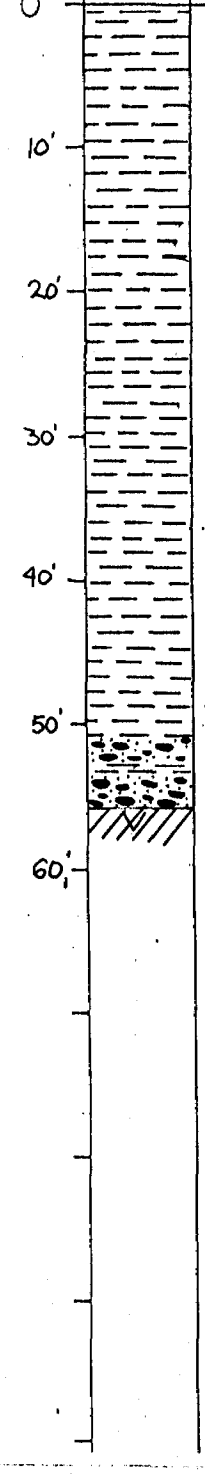
Depth	Graphic Log	Description	Sample No.	Footage From	Footage To	Sample Length	Assay Au(ppb)
0		- grey, fine grained, moderately sorted - pebbles are 60% syenite and 40% mafic volcanic - pebbles become polylithic and rounded at 98' - 93'-98' · abundant sample as a result of WATER TABLE - 98'-99'. BOULDER?- dark green, fine grained, volcanic - minor quartz and chert - fine disseminated pyrite 5-10% TALC: 99'-100' - pearly grey with volcanic grit - 2% cubic pyrite BEDROCK: 100'-101' - green, fine grained, altered volcanic, carbonatization - magnetic - fine disseminated pyrite and pyrrhotite 2% END OF HOLE: 101' NOTE: Bedrock may actually be at 98' with a thin altered talc-carbonate unit within the bedrock					

EXPLORATION KERR ADDISON INC,
OVERBURDEN DRILL LOG

PROPERTY NEAL-HARKER GEOLOGIST K.A. KRYKLYWY DRILLER HEATH & SHERWOOD

HOLE NO NH-84-28 LOCATION BL0, 24W DEPTH 56'

DATE STARTED/COMPLETED NOV.16; 1984; 3:10pm / Nov. 16, 1984; 4:45pm. DRILL TYPE ACKER - NODWELL



CLAY : 0'-51'
- brown, moderately stiff, calcareous
- becomes dark grey at 2'
- changes to grey, soft and calcareous at 14'
- 15'-25' and 25'-45' Poor Return - fine clays washed away

TILL : 51' - 54.5'
- polylithic, rounded, moderately sorted
- 53'-53.5' - CLAY - grey, soft

BEDROCK : 54.5'-56'
- volcanic, middle green, fine grained
- altered, minor quartz
- magnetic
- appears to be carbonate alteration

END OF HOLE: 56'

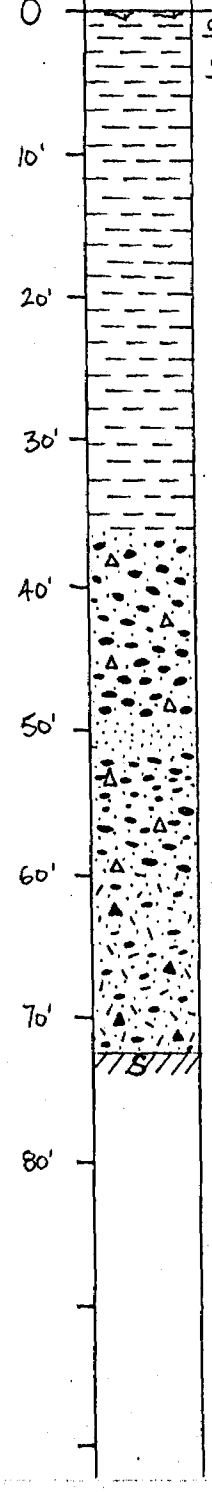
Sample No.	Footage From	Footage To	Sample Length	Assay Au (ppb)
01	0'	15'	15'	
02	15'	25'	10'	
NS	25'	35'	10'	
NS	35'	45'	10'	
03	45'	54.5'	9.5'	8
04	54.5'	56'	1.5'	

EXPLORATION KERR ADDISON INC,
OVERBURDEN DRILL LOG

PROPERTY NEAL - HARKER GEOLOGIST KEN KRYKLYWY DRILLER HEATH & SHERWOOD

HOLE NO NH-84-29 LOCATION 2N, 18W DEPTH 73.5'

DATE STARTED/COMPLETED DEC·16, 1984; 12:15 pm DRILL TYPE ACKER - NODWELL
DEC·16, 1984; 2:00 pm



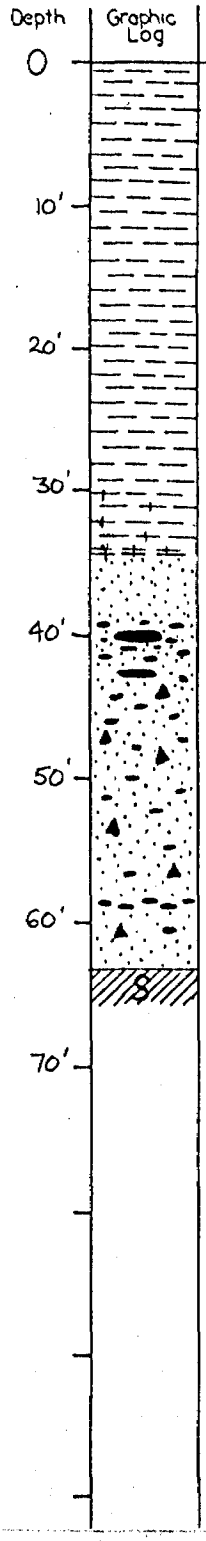
Description	Sample No.	Footage From	Footage To	Sample Length	Assay Au (ppb)
ORGANICS: 0-0.5'					
CLAY: 0.5' - 36'					
-0.5'-1' dark brown, gritty clay - 1' tan, moderately stiff, calcareous - 8' change to grey, soft clay - 25'-35' Poor Return	01	0	15'	15'	
GRAVEL: 36' - 60' - possibly a till - >75% pebbles, <25% sand - clasts mostly angular up to ½cm - 40% syenite, 40% dark green volcanic rock, 20% light green volcanic rock and granitoids - poorly sorted - by 45' - several rounded broken clasts -49-51' - interbedded sand layer - 53' change to fine to medium pebbles - 55' back to coarse pebbles and cobbles	02	15'	25'	10'	
	NS	25'	35'	10'	
	03	35'	45'	10'	
	04	45'	55'	10'	
CLAY TILL: 60' - 72.5' - gritty clay and clay coated pebbles - sand increase to 25-50% - poorly sorted - pebbles - 75% dark green volcanic clasts, 25% other lithologies (granitoids, quartz, light green volcanics) - <10% clay	05	55'	65'	10'	
	06	65'	72.5'	7.5'	
BEDROCK: 72.5' - 73.5' - syenite - 60% pink feldspar - 20% quartz - 20% white feldspar - minor green epidote (?) alteration - trace (<1%) pyrite END OF HOLE: 73.5'	07	72.5'	73.5'	1'	

EXPLORATION KERR ADDISON INC,
OVERBURDEN DRILL LOG

PROPERTY NEAL - HARKER GEOLOGIST K.A. KRYKLYWY DRILLER HEATH / SHERWOOD

HOLE NO NH-84-30 LOCATION DRILL TRAVERSE 2N, 19W DEPTH 64'

DATE STARTED/COMPLETED DEC. 16, 1984; 2:40 pm. / DRILL TYPE ACKER - NODWELL
DEC. 16, 1984; 3:30 pm.



CLAY : 0 - 34.5'

- 0-2' - dark brown
- 2'-11' - light brown, stiff, calcareous
- 11' - becomes grey, soft
- 30' - silt and clay
- 25'-35' Poor Return - fines washed away

SAND : 34.5' - 39'

- S & P, fine grained
- pebbles (5%) - small, sub-rounded polylithic

GRAVEL : 39' - 42'

- 30% syenite, 10% volcanic rock, 10% quartz, 20% granitoids, other lithologies
- small syenite BOULDERS at 40', 43.5'

TILL : 42' - 63'

- 30% sand, 70% pebbles
- sand - medium grained
- pebbles - 40% syenite, 20% volcanic rock, 10% quartz, other lithologies
- angular
- 47' - increase to 50% sand
- 54' - up to 80% sand
- 59 - 59.5' - pebble unit
- 61.5 - 63' - SAND - fine grained, grey, <1% pebbles

BEDROCK : 63' - 64'

- syenite
- coarse grained
- 80% pink feldspar - quart - white feldspar - mafic mineral
- <1% disseminated pyrite

END OF HOLE : 64'

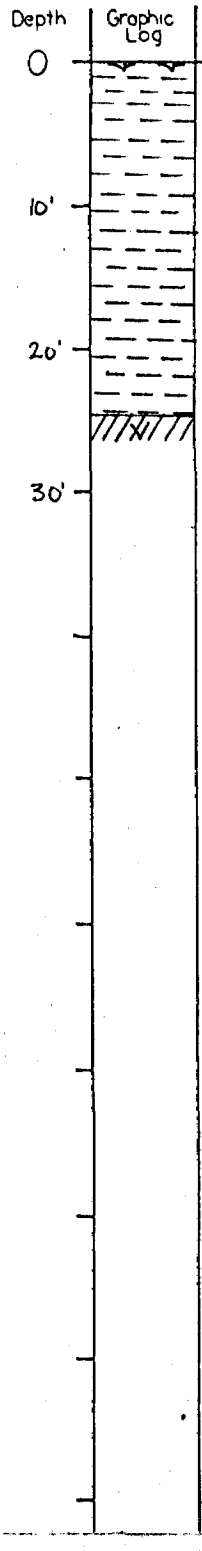
Sample No.	Footage From	Footage To	Sample Length	Assay Au (ppb)
01	0	15'	15'	
02	15'	25'	10'	
NS	25'	35'	10'	
03	35'	45'	10'	
04	45'	55'	10'	
05	55'	63'	8'	
06	63'	64'	1'	

EXPLORATION KERR ADDISON INC,
OVERBURDEN DRILL LOG

PROPERTY NEAL-HARKER GEOLOGIST KEN KRYKLYWY DRILLER HEATH & SHERWOOD

HOLE NO NH-84-31 LOCATION 2N, 20W DEPTH 25.5'

DATE STARTED/COMPLETED DEC. 16, 1984; 4:00PM DRILL TYPE ACKER-NODWELL
Dec. 16, 1984; 4:40PM



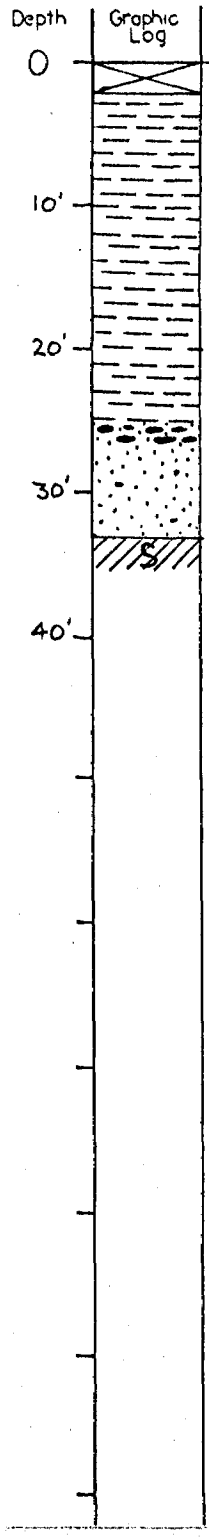
Graphic Log	Description	Sample No.	Footage From	Footage To	Sample Length	Assay Au(ppb)
	ORGANICS: 0-0.5'					
	CLAY: 0.5' - 24.5'					
	-tan, moderately stiff, calcareous	01	0	15'	15'	
	-11' - change to grey, soft clay					
	-15'-24.5' - Poor Return	NS	15'	24.5'	9.5'	
	BEDROCK: 24.5' - 25.5'	02	24.5'	25.5'	1'	
	- 1" quartz vein at 24.5					
	- then dark green, fine grained volcanic rock					
	END OF HOLE: 25.5'					

EXPLORATION KERR ADDISON INC,
OVERBURDEN DRILL LOG

PROPERTY NEAL - HARKER GEOLOGIST K.A. KRYKLYWY DRILLER HEATH # SHERWOOD

HOLE NO. NH-84-32 LOCATION DRILL TRAVERSE 2N, 21W DEPTH 35'

DATE STARTED/COMPLETED DEC. 16, 1984; 4:50 pm / DEC. 16, 1984; 5:30 pm DRILL TYPE ACKER - NODWELL



Description

No Return: 0-2'.

CLAY: 2' - 25'

- brown, stiff, calcareous
- 10'-15' Poor Return - bit plugged
- 15' - becomes grey, very soft

GRAVEL: 25'-27'

- small pebbles, angular to sub-rounded
- 20% syenite, 10% mafic volcanic rock, 10% felsic volcanic rock, 10% quartz, other lithologies
- < 10% sand

SAND: 27'-33'

- grey (S&P), fine grained
- well sorted
- < 5% pebbles

BEDROCK: 33'-35'

- syenite
- coarse grained
- 80% red feldspar, minor quartz and white feldspar, 10% fine grained black mineral within syenite
- possible black mineral is porphyritic or in veins or may be near a syenite-volcanic contact
- fast drill speed indicates possible fracturing of top 1'

END OF HOLE: 35'

Sample No.	Footage From	Footage To	Sample Length	Assay Au (ppb)
01	0	15'	15'	
NS	15'	25'	10'	
02	25'	33'	8'	
03	33'	35'	2'	

EXPLORATION KERR ADDISON INC,
OVERBURDEN DRILL LOG

PROPERTY NEAL-HARKER GEOLOGIST KEN KRUKOWY DRILLER HEATH & SHERWOOD

HOLE NO NH-84-33 LOCATION 2N, 22W DEPTH 21.5'

DATE STARTED/COMPLETED DEC·17, 1984; 8:25AM DRILL TYPE ACKER-NODWELL
DEC·17, 1984; 8:45AM

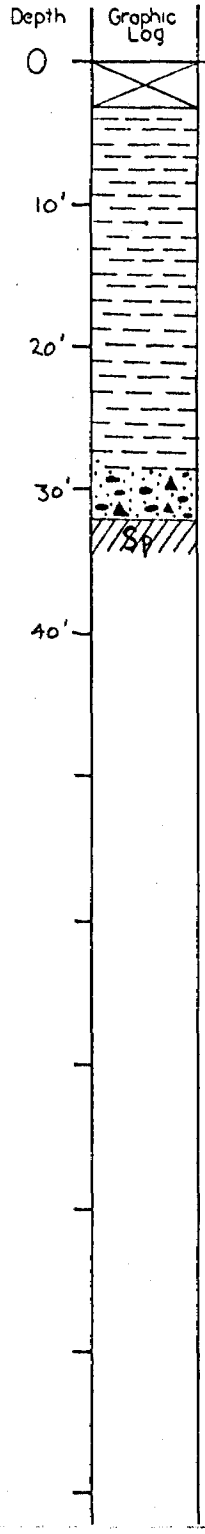
Depth	Graphic Log	Description	Sample No.	Footage From	Footage To	Sample Length	Assay Au (ppb)
0		ORGANICS: 0-0.5'					
		CLAY: 0.5' - 19'					
		- tan, moderately stiff, calcareous	01	0	15'	15'	
10'		SAND/PEBBLE TILL: 19'-20.5'					
		- poorly sorted, polylithic					
			02	15'	20.5'	5.5'	
20'		BEDROCK: 20.5'-21.5'	03	20.5'	21.5'	1'	
		- syenite					
		- medium grained					
		- 70% brick red feldspar - 15% quartz - 15% mafic minerals					
30'		- 5% pyrite occurs as finely disseminated fracture fill and cubes up to 2mm					
		- appears to be in contact with volcanic with ~15% black mafic fragments					
		END OF HOLE: 21.5'					

EXPLORATION KERR ADDISON INC,
OVERBURDEN DRILL LOG

PROPERTY NEAL - HARKER GEOLOGIST K.A. KRYKLYWY DRILLER HEATH & SHERWOOD

HOLE NO. NH-84-34 LOCATION DRILL TRAVERSE 2N, 23W DEPTH 33'

DATE STARTED/COMPLETED DEC. 17, 1984; 9:00 am / DEC. 17, 1984; 9:30 am. DRILL TYPE ACKER - NODWELL



Description	Sample No.	Footage From	Footage To	Sample Length	Assay Au (ppb)
NO RETURN: 0-3'.					
CLAY: 3' - 28' - light brown, stiff, calcareous - 8' becomes grey, soft	01	0	15'		
TILL: 28' - 32' - ~50% sand - difficult to determine as a result of polydrill in the water - pebbles - angular to sub-rounded - 20% quartz, 20% syenite, 20% volcanic rock, other lithologies	02	15'	25'		
	03	25'	32'		
	04	32'	33'		
BEDROCK: 32'-33'. - Syenite - coarse grained - 70% red feldspar; white feldspar - quartz - light green mineral - 2% pyrite - fine disseminated - a few cubes up to 5mm					
END OF HOLE: 33'					

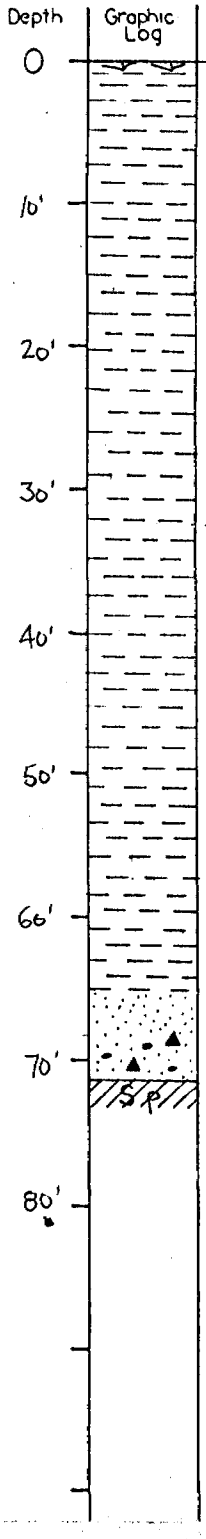
EXPLORATION KERR ADDISON INC,
OVERBURDEN DRILL LOG

PROPERTY NEAL - HARKER GEOLOGIST KEN KRYKLYNY DRILLER HEATH & SHERWOOD

HOLE NO NH-84-35 LOCATION 2N, 24W DEPTH 72.5'

DATE STARTED/COMPLETED DEC. 17, 1984; 9:50 AM DRILL TYPE ACKER - NODWELL

DEC. 17, 1984; 10:45 AM



Description

ORGANICS: 0-0.5'

CLAY: 0.5' - 65'

tan, moderately stiff, calcareous

- 7' change to grey, soft clay
- 35'-55' Poor Return - clay washed away
- 62' - minor sand/pebbles within clay

SAND: 65' - 68'

- ~95% fine, well sorted sand

TILL: 68' - 71.5'

- 80% sand, 20% pebbles
- 90% angular, 10% rounded
- equal proportions of syenite, dark and mid. green volcanic rocks and granitoids
- poorly sorted

BEDROCK: 71.5' - 72.5'

- syenite
- medium grained
- 60% red feldspar - 30% quartz - 10% mafic minerals - minor white feldspar
- ~1-2% finely disseminated pyrite
- minor, narrow quartz veins

END OF HOLE: 72.5'

Sample No.	Footage From	Footage To	Sample Length	Assay Au (ppb)		
01	0	15'	15'			
02	15'	25'	10'			
03	25'	35'	10'			
NS	35'	45'	10'			
NS	45'	55'	10'			
NS	55'	65'	10'			
04	65'	71.5'	6.5'			
05	71.5'	72.5'	1'			

900

Mining Lands Section

File No 2.7876

Control Sheet

TYPE OF SURVEY

- ✓ GEOPHYSICAL
- ✓ GEOLOGICAL
- GEOCHEMICAL
- ✓ EXPENDITURE

MINING LANDS COMMENTS:

typ. L.D.

J. Hurst

Signature of Assessor

85-03-26

Date

Ministry of Natural Resources Ontario

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

27876

Mining Act

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.

(File L643330)

Type of Survey(s)	Township or Area
VLF-EM, MAGNETOMETER, OVERBURDEN DRILLING	HARKER

Claim Holder(s)	Prospector's Licence No.
KERR ADDISON MINES LIMITED	A35072

Address: 174 LARCH ST. SUDBURY, ONT

Survey Company	Date of Survey (from & to)	Total Miles of line Cut
KERR ADDISON MINES LTD	20 09 84 (Day Mo. Yr.) 18 12 84 (Day Mo. Yr.)	22 km

Name and Address of Author (of Geo-Technical report)

Credits Requested per Each Claim in Columns at right

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

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

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

Expenditures (excludes power stripping)

Type of Work Performed: OVERBURDEN DRILLING - 60 Days

Performed on Claim(s): 643330 - 643334, 643337 - 643340

Calculation of Expenditure Days Credits

Total Expenditures			=	Total Days Credits
$25,605.41	÷	15	=	1707

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.

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.	Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
L	643330				
	643331				
	643332				
	643333				
	643334				
	643335				
	643336				
	643337				
	643338				
	643339				
	643340				

RECEIVED
MAR 8 1985
MINING LANDS SECTION

Total number of mining claims covered by this report of work: 11

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
1320	FEB 27 1985	
	Date Approved as Recorded: 85.3.18	Branch Director:

Date	Recorded Holder or Agent (Signature)
Feb 27/85	M. Patrick Lewis

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: M. PATRICK LEWIS, 174 LARCH ST, SUDBURY, ONT

c/o KERR ADDISON MINES LTD.

Date Certified	Certified by (Signature)
Feb 27/85	M. Patrick Lewis

1362 (81/9)

telephone 416-229-4040

telex 06-986543

34 Duncan Ave. N., Box 998
Kirkland Lake, Ont. P2N 3L3
Tel. (705)567-9311 Telex 067-82510

November 22, 1984

to Kerr Addison Mines Limited,
P. O. Box 91 - Suite 3370,
Commerce Court West,
TORONTO, Ontario.

invoice no. 1374
d.o. no. 558
project no. 84-149

Attention: K. Germundson

in account with

heath & sherwood drilling

division of challenger international services ltd.

terms: net cash 15 days after date of invoice

hole no.

to cover diamond drilling for the period November 1st - 15th, 1984

from	to	footage completed	rate

Reverse circulation rotary drilling program in Harker Township, Province of Ontario

Drilling and related Operations

	Drilling	Moving	Reaming	Mudding
Nov 1st	8.5	2		
Nov 2nd	6.75	1.25		
Nov 3rd	6.25	1.5		
Nov 4th	7.25	3.25		
Nov 5th	4.5	1		
Nov 6th	8.25	1.5		
Nov 7th	6.5	1.25		
Nov 8th & 9th	9 & 9	2 & 1.5		
Nov 10th	9.25	2.75		
Nov 11th	5.5	4.75		
Nov 12th	9.5	1		
Nov 13th	9.75	.25		
Nov 14th	9.5	.75	1.75	.5
Nov 15th	9.5	.75		
	119	25.5	1.75	.5

Drilling	119 Rig Hours	165.00	19635.00	
Moving	25.5 Rig Hours	165.00	4207.50	
Reaming	1.75 Rig Hours	165.00	288.75	
Mudding	.5 Rig Hours	165.00	82.50	24213.75

Tractor Rental (IHC-500)

Nov 1st	5 hours
Nov 2nd	5
Nov 3rd	5
Nov 4th	5
Nov 5th	5
Nov 6th	5
Nov 7th	5
Nov 8th	5
Nov 9th	5
Nov 10th	5

e. & o. e.

116-229-4040

telex 06-986543

34 Duncan Ave. N., Box 998
Kirkland Lake, Ont. P2N 3L3
Tel. (705)567-9311 Telex 067-82510

invoice no. ~~1375~~ 1374
d.o. no.
project no.

in account with

heath & sherwood drilling

division of challenger international services ltd.

terms: net cash 15 days after date of invoice

hole no.	to cover diamond drilling for the period from	to	footage completed	rate		
	Tractor Rental Cont'd					
	Nov 11th	5 hours				
	Nov 12th	5				
	Nov 13th	5				
	Nov 14th	5				
	Nov 15th	5				
		75 hours	13.00			975.00
	Delay					
	Nov 14th waiting for water	.5 hrs	137.25			68.63
	Materials					
15 only	2-15/16" cardide button bits		675.00	10125.00		
	Nos. CB66571, CB66572, CB66573, CB66595, CB66596, CB66597, CB66602, CB66603, CB66604, CB66605, CB66606, CB66607, CB66608, CB66609, CB66610					
3 only	Skirted Bit Subs		314.00	942.00		
2 only	10 Ft 2-3/4" Dual tube rods		395.00	790.00		
1 only	NW casing shoe			62.40		
				11919.40		
		Plus 10%		1191.94		
						13111.34
	Camps					
	Ken Kryklywy		33 meals			
	Kathy Kryklywy		44 meals			
	Pat Lewis		3 meals			
	Mark Lewis		2 meals			
	Dale Hendricks		1 meal			
	Dave Lowery		1 meal			
	Bill Maciej		12 meals			
			96 meals	7.00		672.00
	Room Rental:					
	Nov 1st to 15th	15 days		20.00		300.00
						$39340.72

Approved by: Pat Lewis
Change to: 0-39C - 13⇒ 18,359.39

e. & o. e.

telephone 416-229-4040

34 Duncan Ave. N., Box 998
Kirkland Lake, Ont. P2N 3L3
Tel. (705)567-9311 Telex 067-82510

telex 06-986543

DEC 12 1984

December 3rd, 1984

to Kerr Addison Mines Limited,
P.O. Box 91 - Suite 3370,
Commerce Court West,
Toronto, Ontario.
M5L 1C7.

Attn: Mr. K. Germundson

invoice no. 1383
d.o. no. 558
project no. 84-149

DEC 6 1984

in account with

heath & sherwood drilling
division of challenger international services ltd.

terms: net cash 15 days after date of invoice

hole no.					
	to cover diamond drilling for the period November 16th-17th, 1984				
	from / to	footage completed		rate	
	Reverse Circulation rotary drilling program in Harker township, in the Province of Ontario.				
	Drilling and Related Operations	Drilling	Moving		
	Nov. 16th	8.5	1.5		
	Drilling	8.5 rig hrs.		165.00	1,402.50
	Moving	1.5 rig hrs.		165.00	247.50
					1,650.00
	Tractor Rental (IHC-500)				
	Nov. 16th	5 hrs.		13.00	65.00
	Materials				
2 only	2-15/16" carbide button bits				
	Nos. CB-66574 & CB-66601			675.00	1,350.00
	Plus 10%				135.00
					1,485.00
	Camps				
	Kathy Kryklywy	4 meals			
	Bill Maciej	4			
		8 meals		7.00	56.00
	Room Rental:				
	Nov. 16th	1 day			20.00
	Moving Out				
	Moving from last hole to truck loading point:				
	Nov. 17th	3.5 rig hrs.		137.25	480.38
					$3,756.38

R.K. Germundson

approved by: Pat Lewis
Charge to: 0-39C-13

E. & O. E.

NEAL HARKER PROJECT

INVOICE # 1383 - HEATH & SHERWOOD DRILLING

DATE	HOLES DRILLED	FOOTAGE
NOV 16	NH-84-26, 27, 28	192'

705-229-4040

telex 06-986543

34 Duncan Ave. N., Box 998
Kirkland Lake, Ont. P2N 3L3
Tel. (705)567-9311 Telex 067-82510

December 20th,1984

to Kerr Addison Mines Limited,
P.O. Box 1375,
71 Lorne Street,
Sudbury, Ontario.
P3E 5K4

Attn: R.K. Germundson

invoice no. 1412
d.o. no. 558
project no. 84-149

in account with

heath & sherwood drilling

division of challenger international services ltd.

terms: net cash 15 days after date of invoice

hole no.	to cover diamond drilling for the period December 6th-19th,1984				
	from	to	footage completed	rate	
	Reverse circulation rotary drilling program on Harker township in the Province of Ontario.				
	Moving In				
	Dec. 6th		6 rig hrs.	137.25	823.50
	Drilling and Related Operations				
			Drilling / Moving		
	Dec. 6th		3 / 1.25		
	7th		11.25 / .25		
	8th		2 / .5		
	9th		1.25 / .25		
	10th		9 / 1.5		
	11th		10.25 / .75		
	12th		8.25 / 2		
	13th		5 / .25		
	15th		7.75 / 1.75		
	16th		8.75 / 1.25		
	17th		8.5 / 2.5		
	18th		12.5 / 2.5		
			87.5 / 14.75		
	Drilling		87.5 rig hrs.	165.00	14,437.50
	Moving		14.75 rig hrs.	165.00	2,433.75
					16,871.25
	Tractor Rental (IHC-500)				
	Dec. 6th		5		
	7th		5		
	8th		5		
	10th		5		
	11th		5		
	12th		5		
	13th		5		
	15th		5		
	16th		5		
	17th		5		
	18th		5		
			55 hrs.	13.00	715.00

e. & o. e.

-229-4040

telex 06-986543

34 Duncan Ave. N., Box 998
Kirkland Lake, Ont. P2N 3L3
Tel. (705)567-9311 Telex 067-82510

December 20th, 1984

to

invoice no. ~~xxxxxx~~ 1412
d.o. no.
project no.

in account with

heath & sherwood drilling

division of challenger international services ltd.

terms: net cash 15 days after date of invoice

hole no.	to cover diamond drilling for the period				
	from	to	footage completed	rate	
	Materials				
16 only	2-15/16" carbide button bits Nos. CB-66539, CB-66542, CB-66544, CB-66585 to CB-66589 incl. CB-66591, CB-66625 to CB-66629 incl. CB-66698, CB-66546		675.00	10,800.00	
7 only	Skirted bit subs		314.00	2,198.00	
				12,998.00	
	Plus 10%			1,299.80	14,297.80
	Camps				
	Kathy Kryklywy	39 meals			
	Ken Kryklywy	39			
	Pat Lewis	2			
	Shawn Trueland	15			
		95 meals	7.00		665.00
	Room Rental:				
	Dec. 6th to 18th	13 days	20.00		260.00
	Moving Out				
	Dec. 19th	1 rig hr.			137.25
					$33,769.80

Approved by: Pat Lewis
Charged to: 0-04C-13 ⇒ ~~$30,280.16~~
0-39C-13 ⇒ 3,489.64

E. & O. E.

HEATH & SHERWOOD DRILLING

INVOICE # 1412

OVERBURDEN DRILLING/DURING PERIOD ~~JAN.~~ Dec. 6-~~JAN.~~ Dec. 18th

SIMS/NEAL HARKER PROJECTS (0-04, 0-39)

DATE	HOLES DRILLED	DEPTHS (FT)
~~Jan.~~ Dec. 6	SH-84-65, 66, 67, 68	183.5
~~Jan.~~ 7	SH-84-69, 70	212
~~Jan.~~ 8	SH-84-71, 72	74.5
~~Jan.~~ 9	SH-84-73	65
~~Jan.~~ 10	SH-84-74, 75, 76, 77, 78, 79	349.5
~~Jan.~~ 11	SH-84-80, 81, 82, 83	345
~~Jan.~~ 12	SH-84-84, 85, 86, 87, 88	341
~~Jan.~~ 13	SH-84-89	139
~~Jan.~~ 14		NIL
~~Jan.~~ 15	SH-84-90, 91, 92, 93, 94, 95, 96	251
~~Jan.~~ 16	SH-84-97, 98, NH-84-29, 30, 31, 32	348
~~Jan.~~ 17	NH-84-33, 34, 35, SH-84-99, 100, 101, 102	325
~~Jan.~~ 18	SH-84-103, 104, 105, 106, 107, 108, 109, 110	511.5
	TOTAL:	3,145 ft.

CHARGED TO:

0-04C-13= $30,280.16

0-39C-13= 3,489.64

KERR ADDISON MINES LIMITED
SUITE 200, 174 LARCH STREET
SUDBURY, ONTARIO P3E 1C6
TELEPHONE (705) 673-1335

March 8, 1985.

Mr. Matthews,
Mining Lands Section,
Ministry of Natural Resources,
Room 6610, Whitney Block,
Queen's Park,
TORONTO, Ontario.
M7A 1W3

Dear Mr. Matthews:

Please find enclosed 2 copies of a work report for the property of Kerr Addison Mines Limited in Harker Township.

Yours Sincerely,

R. K. Germundson

R.K. Germundson, PhD
District Geologist.

RKG:pl

Ontario

Ministry of Natural Resources

File _____

GEOPHYSICAL – GEOLOGICAL – GEOCHEMICAL TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) MAG, VLF, GEOLOGICAL, OVERBURDEN DRILLING
Township or Area HARKER TOWNSHIP
Claim Holder(s) KERR ADDISON MINES LTD
P.O. BOX 91, COMMERCE COURT W., TORONTO
Survey Company KERR ADDISON MINES LTD
Author of Report M. PATRICK LEWIS
Address of Author 174 LARCH ST; SUDBURY, ONT
Covering Dates of Survey SEPT., 1984 - FEB, 1985
(linecutting to office)
Total Miles of Line Cut 22 km

SPECIAL PROVISIONS CREDITS REQUESTED

ENTER 40 days (includes line cutting) for first survey.

ENTER 20 days for each additional survey using same grid.

	DAYS per claim
Geophysical	
–Electromagnetic	40
–Magnetometer	20
–Radiometric	
–Other OVERBURDEN DRILLING	60
Geological	
Geochemical	

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: March 6/85 SIGNATURE: M. Patrick Lewis
Author of Report or Agent

Res. Geol. _____ Qualifications _____

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)
	643330
	643331
	643332
	643333
	643334
	643335
	643336
	643337
	643338
	643339
	643340

TOTAL CLAIMS 11

If space insufficient, attach list

OFFICE USE ONLY

837 (5/79)

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS – If more than one survey, specify data for each type of survey

Number of Stations 8800 Number of Readings 8800

Station interval 25 METERS Line spacing 100 METERS

Profile scale VLF : 1 cm = 10° DIP ANGLE

Contour interval MAG - 100 GAMMAS

MAGNETIC

Instrument EDA PPM 350 COMPUTERIZED FIELD UNIT

Accuracy – Scale constant

Diurnal correction method BASE STATION UNIT (EDA PPM 400)

Base Station check-in interval (hours)

Base Station location and value

ELECTROMAGNETIC

Instrument CRONE RADEM VLF-EM

Coil configuration

Coil separation

Accuracy

Method: ☒ Fixed transmitter ☐ Shoot back ☐ In line ☐ Parallel line

Frequency TRANSMITTING STATION. CUTLER, MAINE. 17.5 KHZ
(specify V.L.F. station)

Parameters measured DIP ANGLE

GRAVITY

Instrument

Scale constant

Corrections made

Base station value and location

Elevation accuracy

INDUCED POLARIZATION RESISTIVITY

Instrument

Method ☐ Time Domain ☐ Frequency Domain

Parameters – On time Frequency

– Off time Range

– Delay time

– Integration time

Power

Electrode array

Electrode spacing

Type of electrode

SELF POTENTIAL

Instrument _____ Range _____

Survey Method _____

_____

Corrections made _____

_____

RADIOMETRIC

Instrument _____

Values measured _____

Energy windows (levels) _____

Height of instrument _____ Background Count _____

Size of detector _____

Overburden _____

(type, depth – include outcrop map)

OTHERS (SEISMIC, DRILL WELL LOGGING ETC.)

Type of survey ~~OVERBURDEN REVERSE CIRCULATION DRILLING~~

Instrument ~~OVERBURDEN~~

Accuracy _____

Parameters measured _____

_____

Additional information (for understanding results) _____

_____

_____

AIRBORNE SURVEYS

Type of survey(s) _____

Instrument(s) _____

(specify for each type of survey)

Accuracy _____

(specify for each type of survey)

Aircraft used _____

Sensor altitude _____

Navigation and flight path recovery method _____

_____

Aircraft altitude _____ Line Spacing _____

Miles flown over total area _____ Over claims only _____

GEOCHEMICAL SURVEY – PROCEDURE RECORD

Numbers of claims from which samples taken 643330, 643331, 643332, 643333, 643334, 643337, 643338, 643339, 643340

Total Number of Samples 63

Type of Sample BASAL TILL & BEDROCK FRAG. (Nature of Material)

Average Sample Weight 20 lbs.

Method of Collection OVERBURDEN REVERSE CIRCULATION DRILLING

Soil Horizon Sampled

Horizon Development

Sample Depth

Terrain

Drainage Development

Estimated Range of Overburden Thickness 30 – 150 ft.

SAMPLE PREPARATION

(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis -200

General Each sample was first dried and then sieved repeatedly until a sample weighting ½ - ¾ lb was segregated. This portion was then pulverized and sieved through a -200 mesh. a ½ assay ton or 14.58 grams was then weigh and the gold content extracted using the fire assay technique.

ANALYTICAL METHODS

Values expressed in: per cent ☐ p. p. m. ☑ p. p. b. ☑

(Cu,) (Pb,) (Zn,) Ni, Co, Ag, Mo, As,-(circle)

Others Au

Field Analysis (_____ tests)

Extraction Method

Analytical Method

Reagents Used

Field Laboratory Analysis

No. (_____ tests)

Extraction Method

Analytical Method

Reagents Used

Commercial Laboratory (_____ tests)

Name of Laboratory BELL - WHITE

Extraction Method FIRE } Au

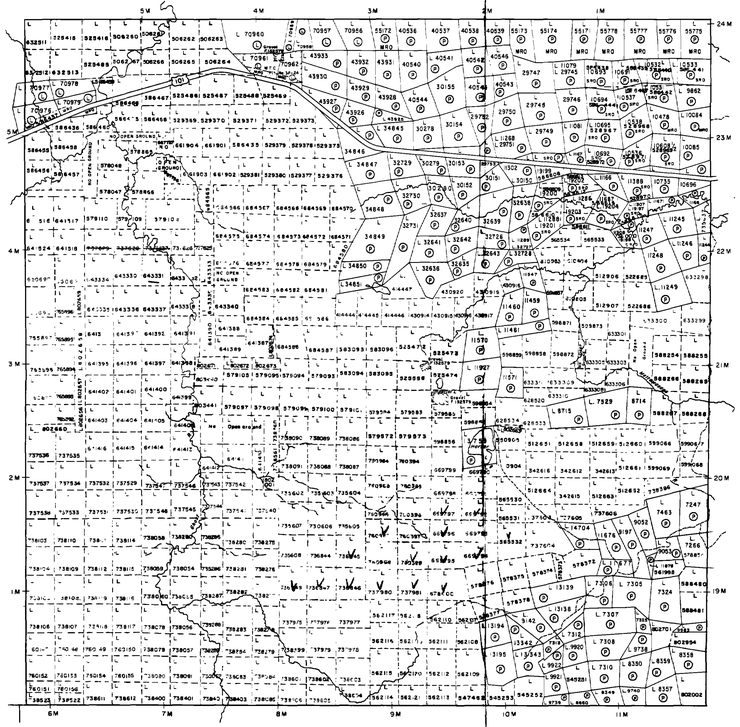
Analytical Method A.A. }

Reagents Used

General

TRIM LINE

LAMPLUGH TWP. M-358



GARRISON TWP. M-349

HOLLOWAY TWP. M-356

ELLIOTT TWP. M-347

THE TOWNSHIP
OF

HARKER

DISTRICT OF
COCHRANE

LARDER LAKE
MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

LEGEND

PATENTED LAND	● or (P)
CROWN LAND SALE	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	
KING'S HIGHWAYS	
RAILWAYS	
POWER LINES	
MARSH OR MUSKEG	
MINES	
CANCELLED	C
PATENTED S.R.O.	

NOTES

400' Surface Rights reservation along the shores of all lakes and rivers.

PLAN NO. M-353

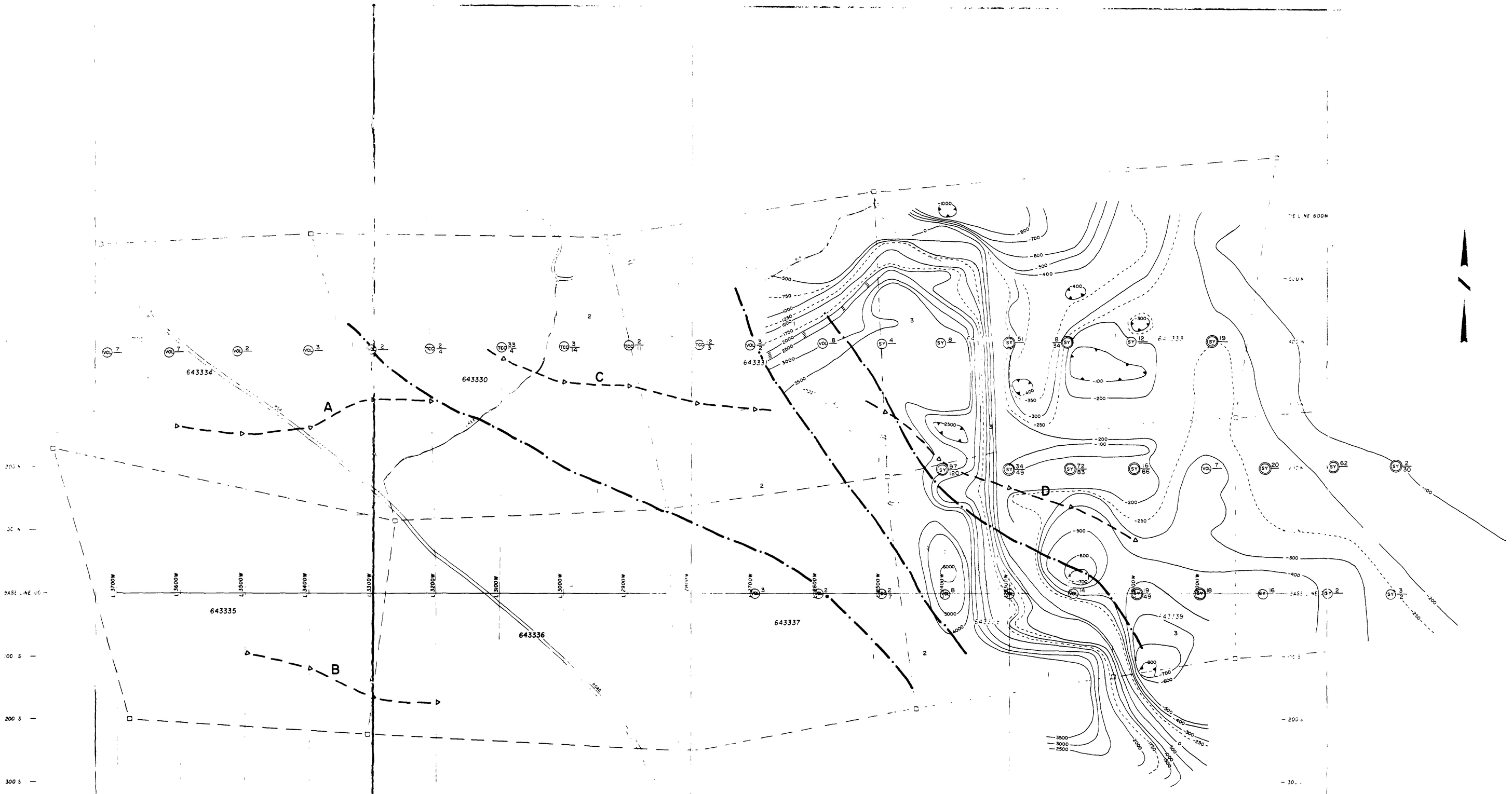
ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

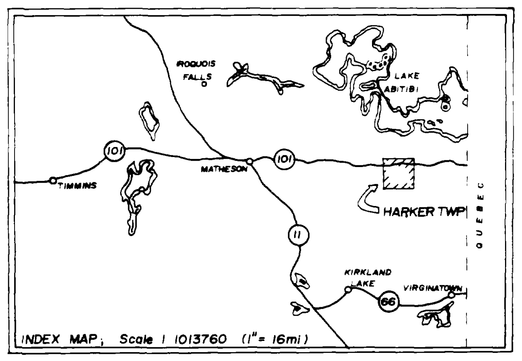
TRIM LINE

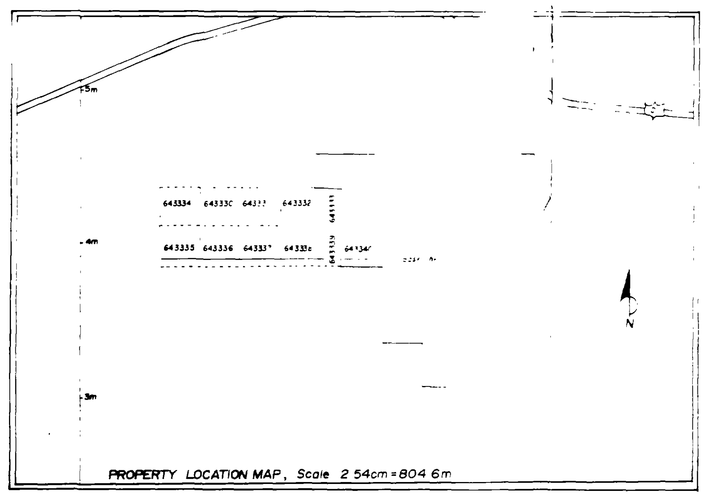
M-323

M-322

200







LEGEND

- 1 MAFIC FLOW
- 2 TALC-CHLORITE-CARBONATE SCHIST
- 3 SYENITE
- GEOLOGICAL CONTACT
- VLF CONDUCTOR AXIS
- —1000— MAGNETIC CONTOUR
- OVERBURDEN DRILL HOLE LOCATION
- 33/4 BASAL TILL Au VALUE (PPB) / BEDROCK Au VALUE (PPB)
- HOLES CONTAINING ANOMALOUS Au VALUES IN BASAL TILL OR BEDROCK

KERR ADDISON MINES LIMITED

NEAL — HARKER — OPTION

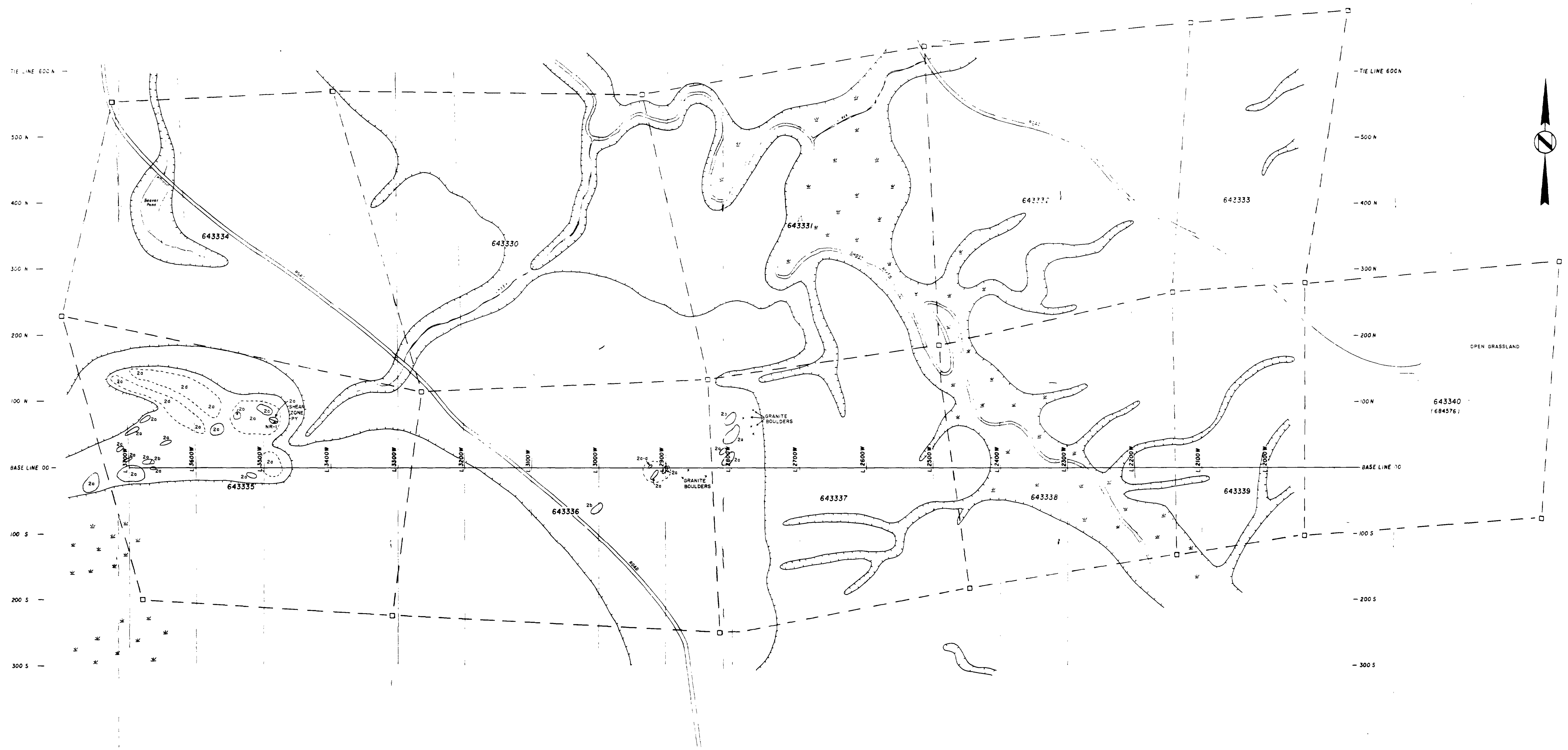
HARKER TOWNSHIP ONTARIO

COMPILATION MAP

DRAWING No N84-1

SCALE 1 2500 SEPTEMBER 1984

T.J. R. Lewis Feb/85



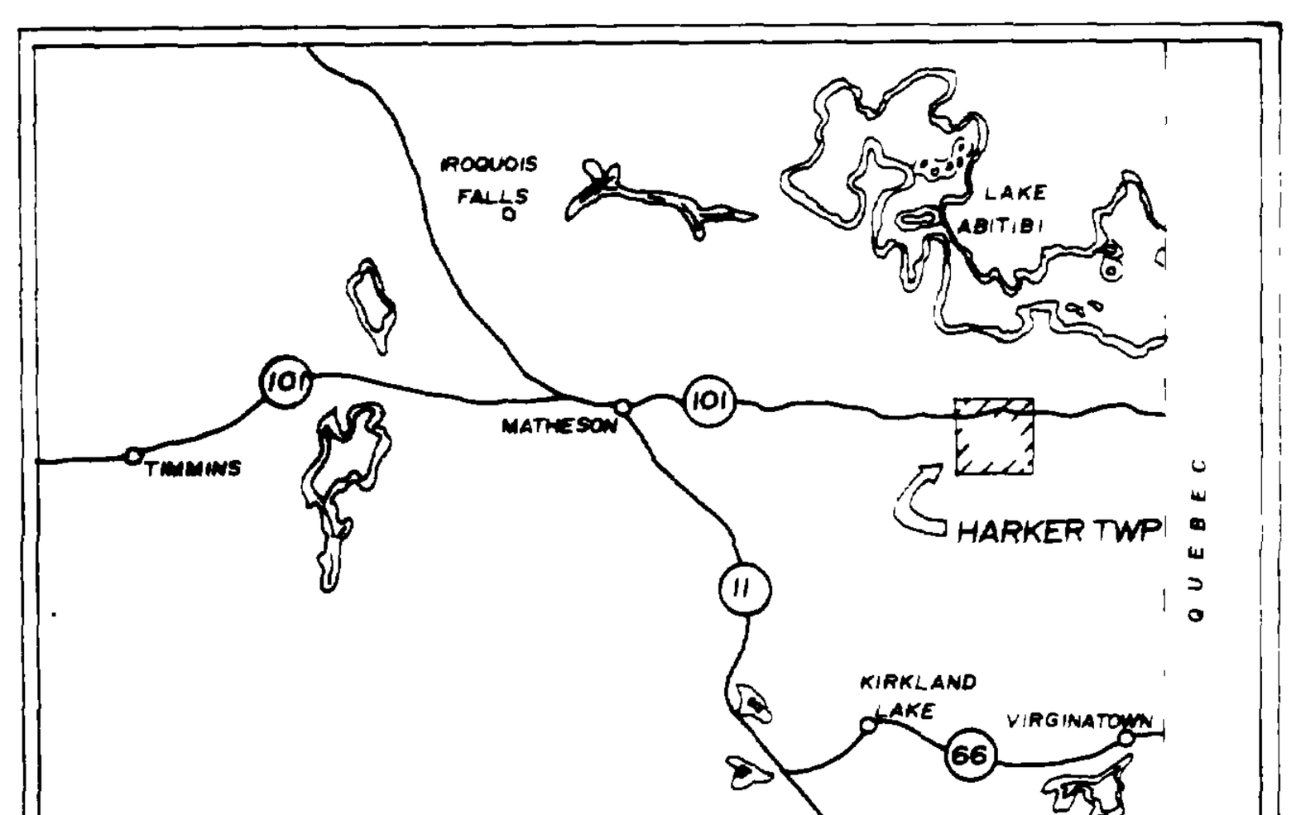
LEGEND

GEOLOGY

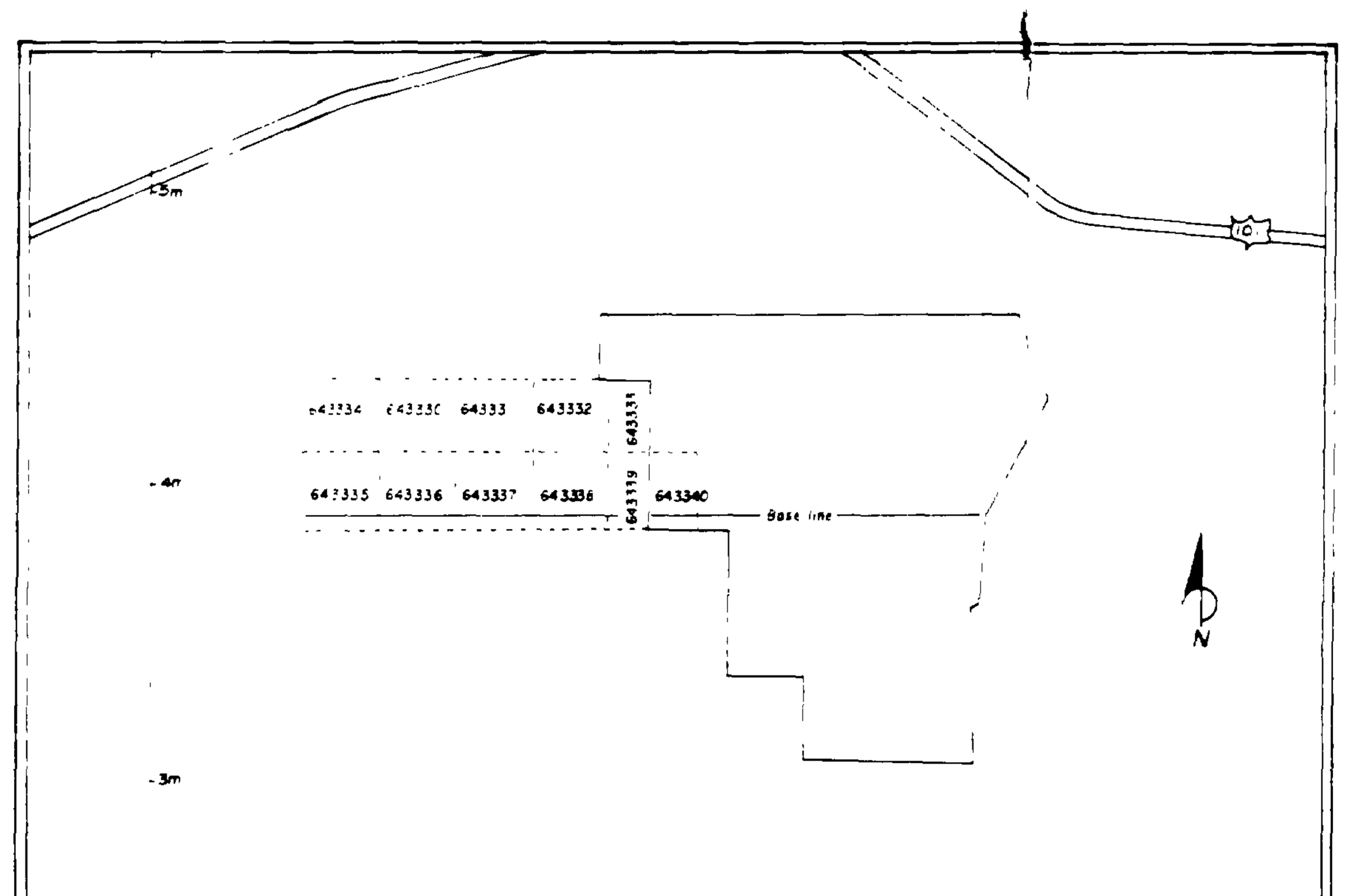
1 SYENITE INTRUSIVE
2 MAFIC VOLCANICS
2a MASSIVE FINE-GRAINED FLOW
2b PILLOWED FLOW
2c FLOW-TOP BRECCIA; PILLOW BRECCIA
2d DIABASIC TO GABBROIC FLOWS

SYMBOLS

OUTCROP
OUTCROP & SUBOUTCROP
CHANGE IN TOPOGRAPHY
PY PYRITE
BEDROCK SAMPLE LOCATION



INDEX MAP, Scale 1:1013760 (1" = 16mi.)



PROPERTY LOCATION MAP, Scale 2.54cm = 804.6m

KERR ADDISON MINES LIMITED

NEAL – HARKER – OPTION

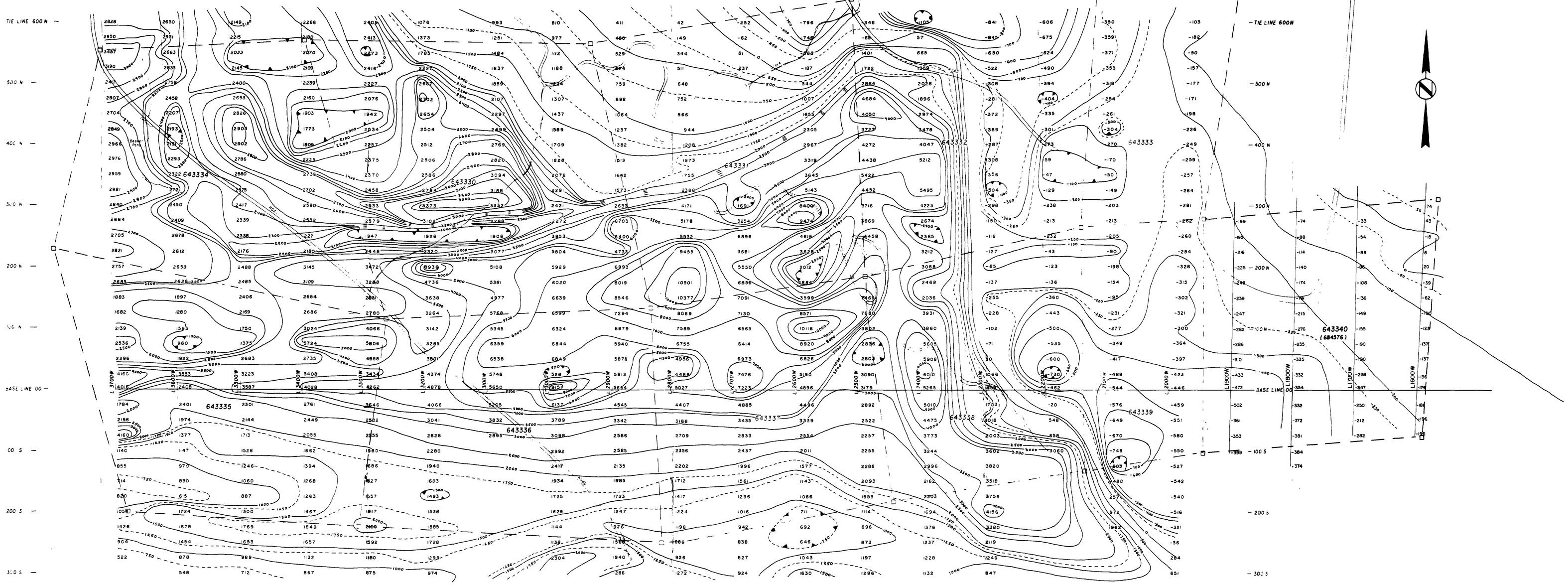
HARKER TOWNSHIP ONTARIO

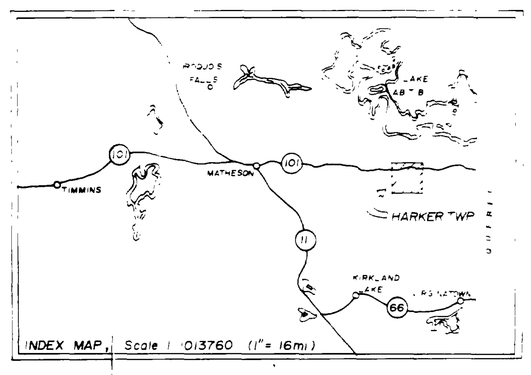
GEOLOGICAL MAP

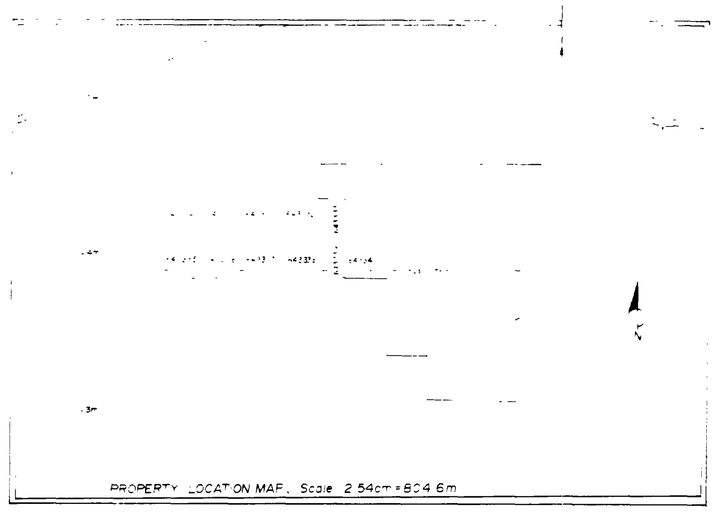
DRAWING No. N84-2

GEOLOGY BY: IAN CUNNINGHAM-DUNLOP AND ALISON BEALES

SCALE 1:2500 SEPTEMBER 1984







SURVEY DATA

INSTUMENT.....E.D.A PPM-350 PROTON MAGNETOMETER
BASE VALUE.....58,000 gammas
CONTOUR INTERVAL.....500 gammas
OPERATOR.....ROB DESPATIE
CLAIM POST.....□
CLAIM LINES.....
SWAMP.....
TRENCHES.....
BUSH ROAD.....
CREEK.....
LAKE SHORE.....
ALL WEATHER ROAD.....
DRILL HOLES.....

KERR ADDISON MINES LIMITED

NEAL — HARKER — OPTION

HARKER TOWNSHIP ONTARIO

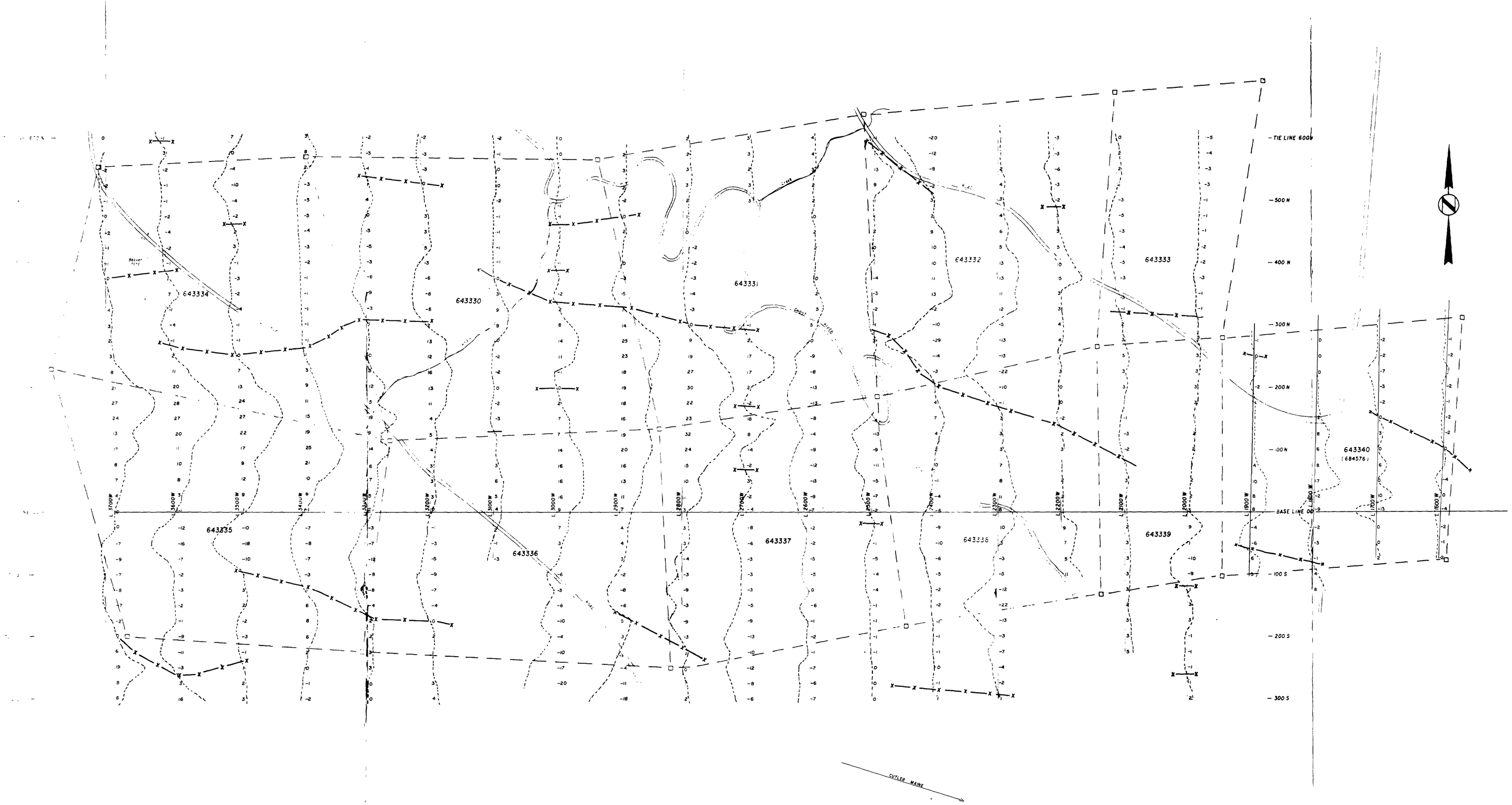
MAGNETOMETER SURVEY

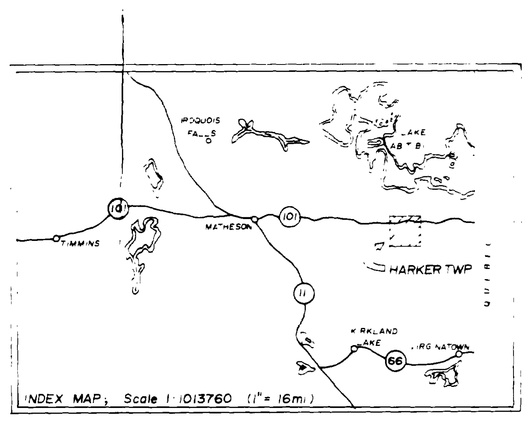
DRAWING No NB4-3

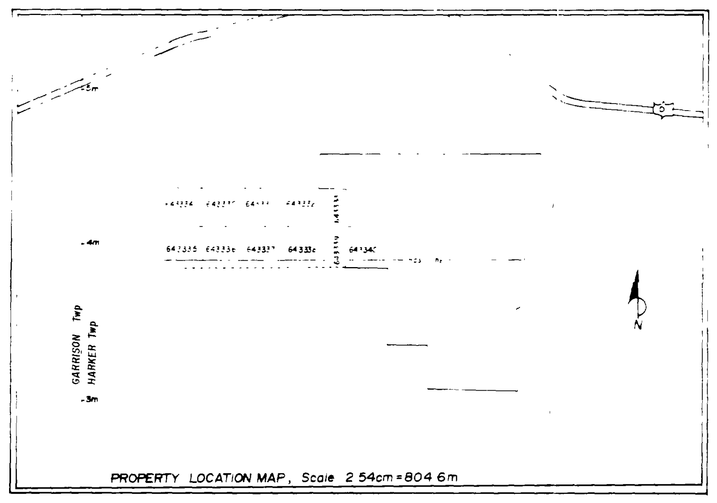
SCALE 1:2500

SEPTEMBER 1984

P. Lewis, P.Eng.







SURVEY DATA

INSTRUMENT	CRONE RADEM VLF
METHOD	DIP ANGLE
OPERATOR	D. FORD
TRANSMITTER STATION	CUTLER MAINE
CONDUCTOR AXIS	—X— X—
CLAIM POST	□
CLAIM LINES	
SWAMP	V V V
BUSH ROAD	
ALL WEATHER ROAD	
TRENCHES	
CREEK	
DRILL HOLES	

KERR ADDISON MINES LIMITED

NEAL — HARKER — OPTION

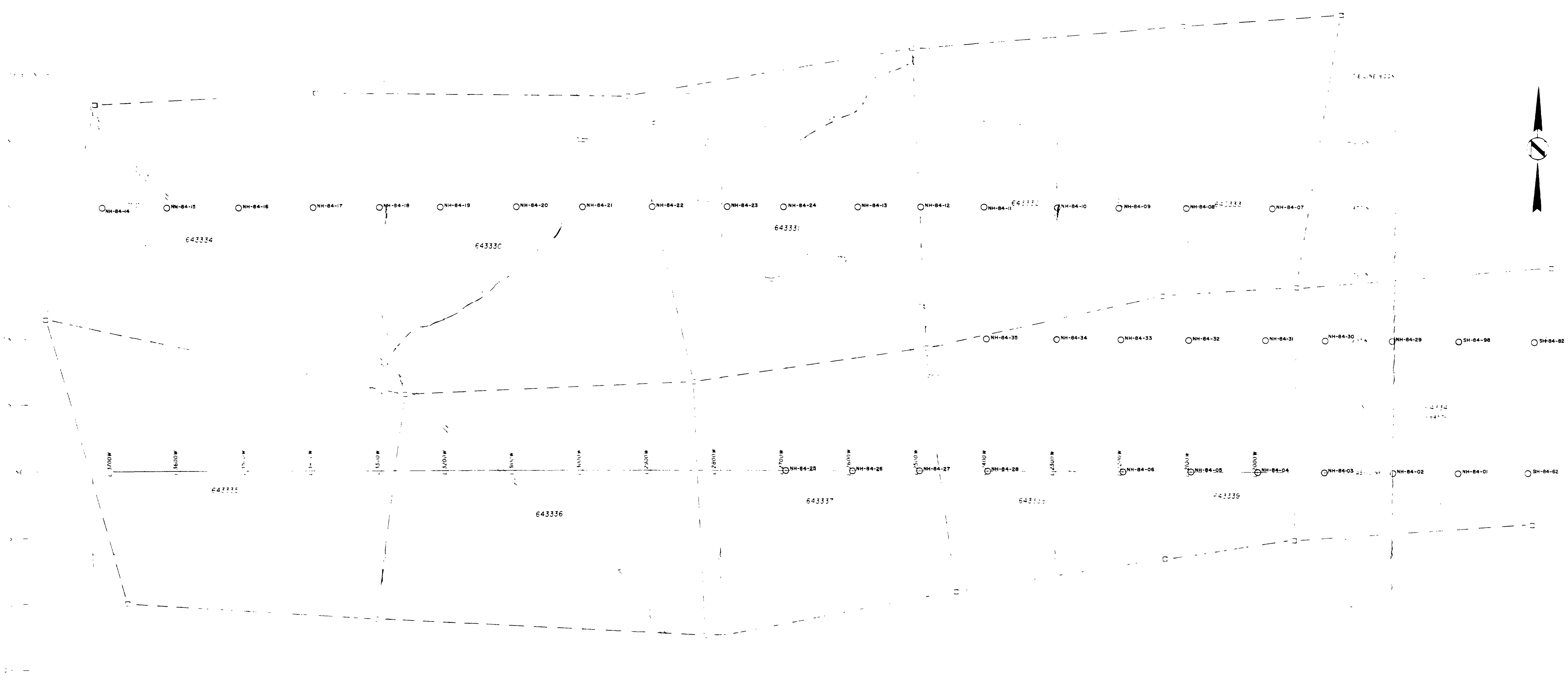
HARKER TOWNSHIP ONTARIO

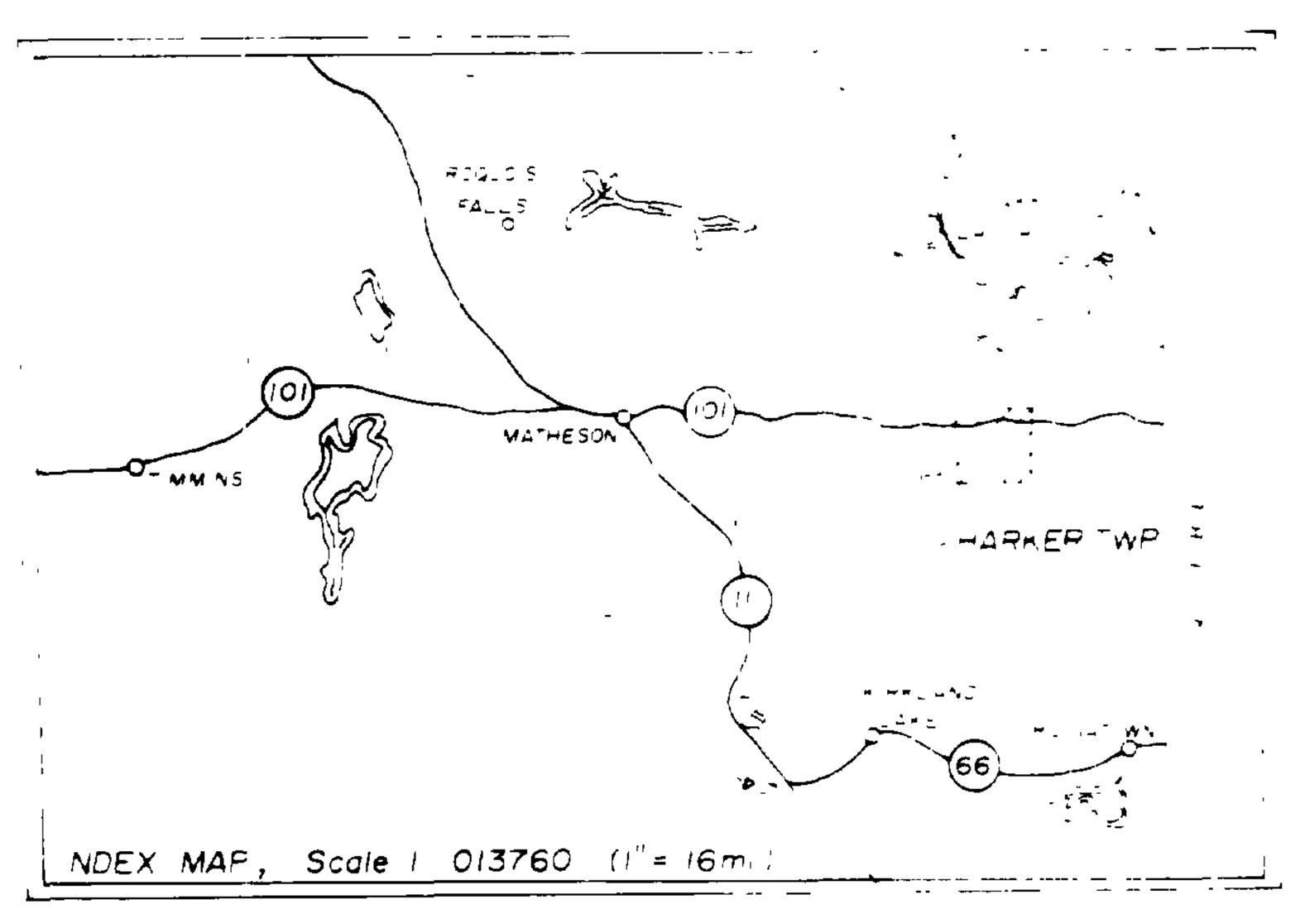
VLF E.M DIP ANGLE

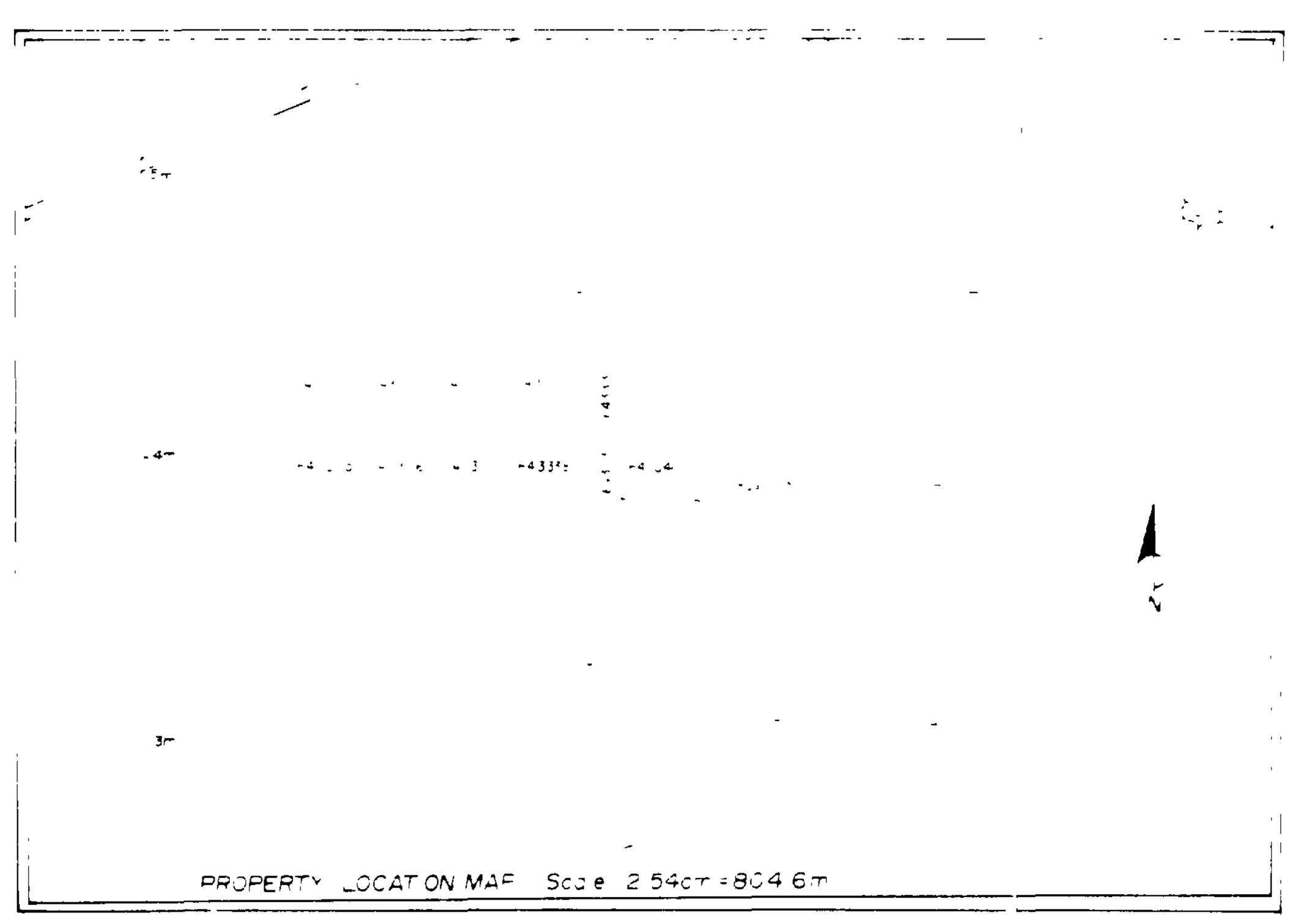
Cutler Maine DRAWING No. NB4-4

SCALE 1 : 2500 SEPTEMBER 1984

P. Lewis Feb/85







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HARKER TOWNSHIP ONTARIO

OVERBURDEN DRILL HOLE LOCATIONS

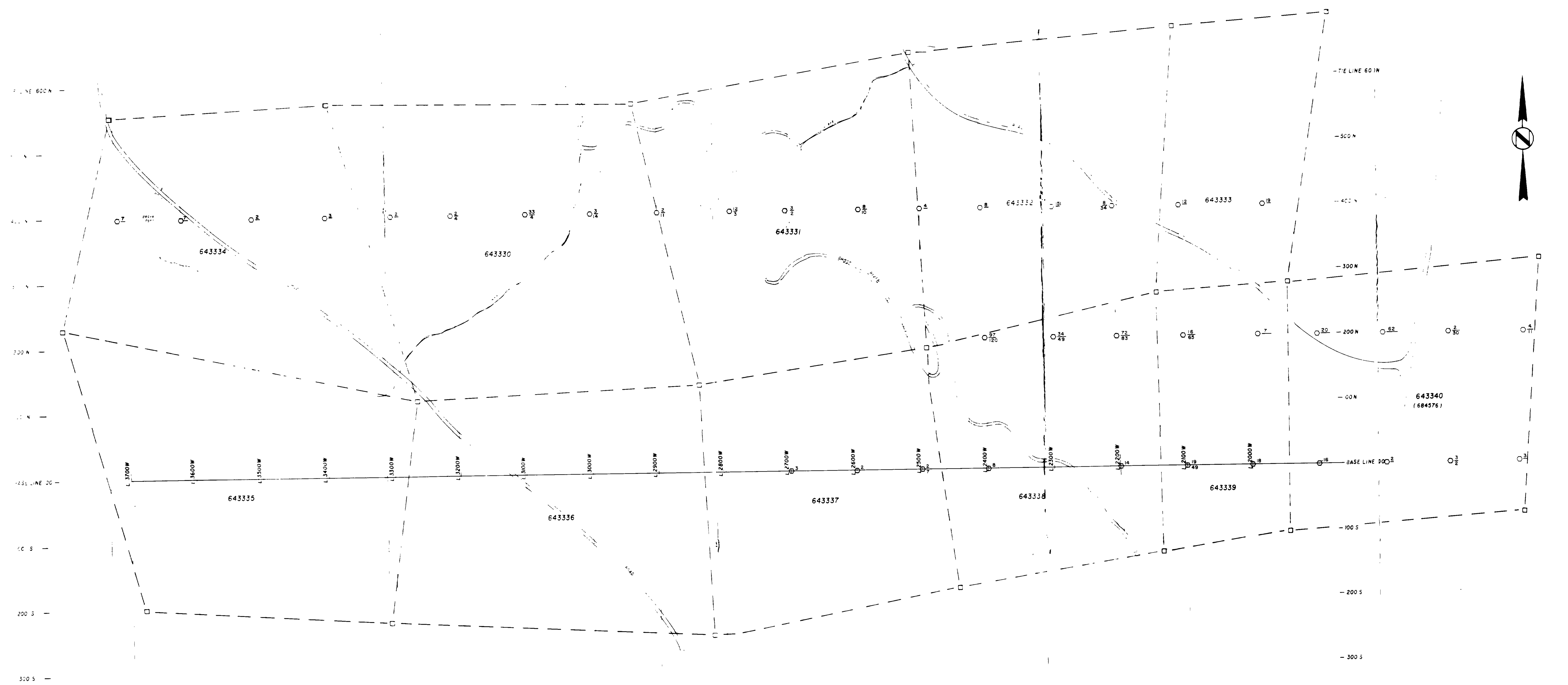
DRAWING No. N84-5

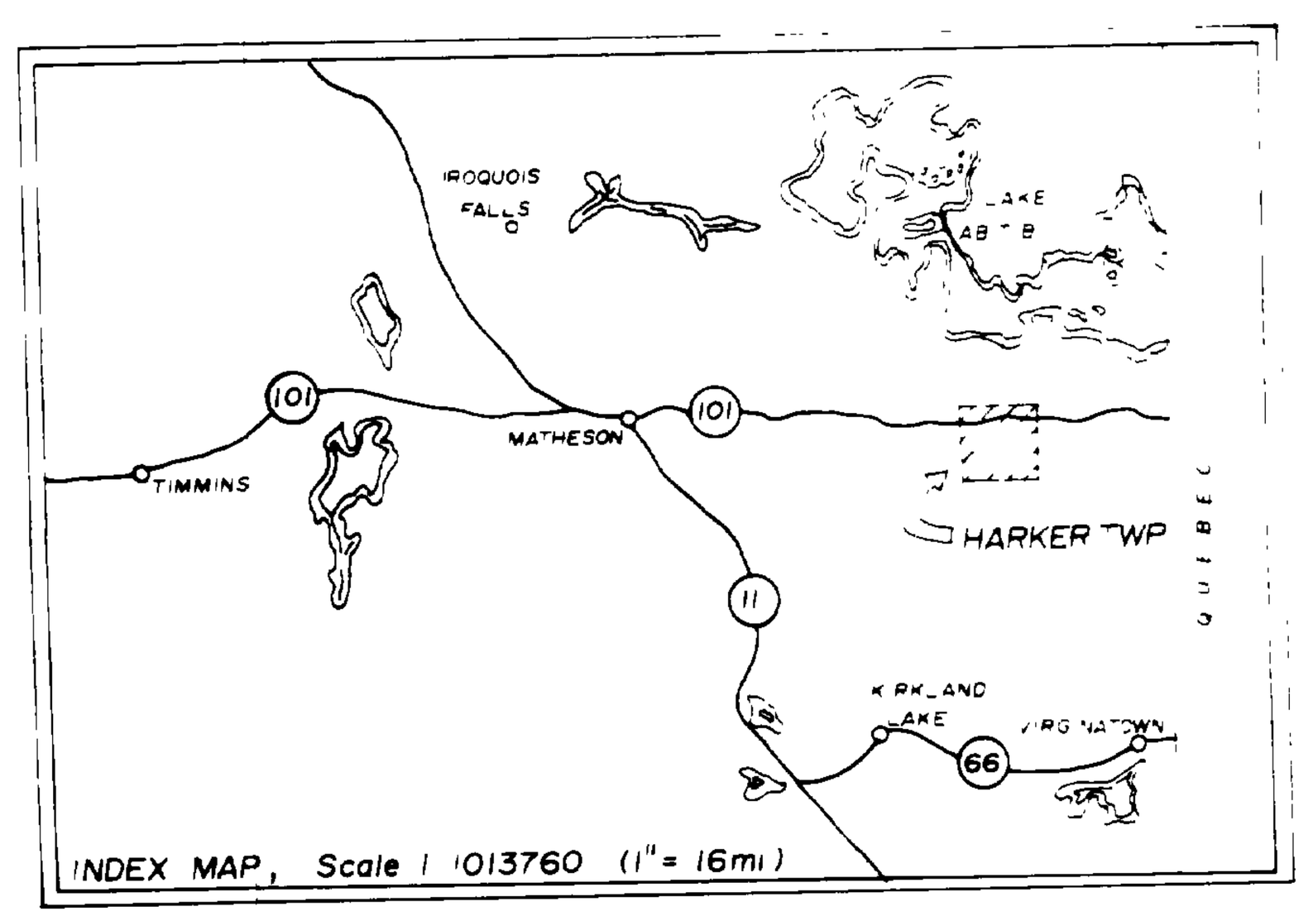
SCALE 1:2500 SEPTEMBER 1984

R. Lemo 7/4/85

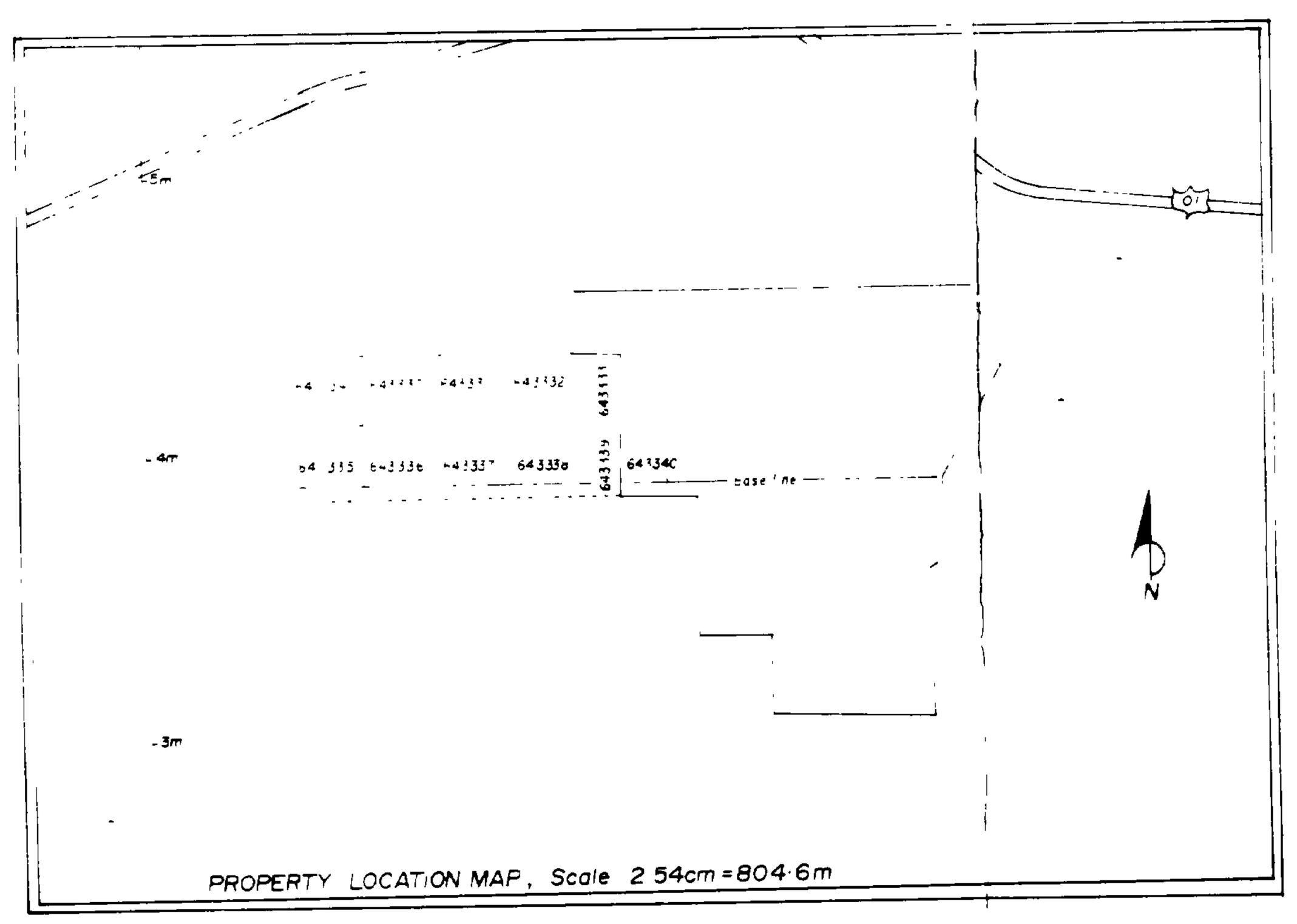
3.7876

250





INDEX MAP, Scale 1:1013760 (1" = 16mi.)


PROPERTY LOCATION MAP, Scale 2.54cm = 804.6m

$\frac{2}{3}$ BASIL TILL PPB. / BEDROCK PPB

KERR ADDISON MINES LIMITED

NEAL – HARKER – OPTION

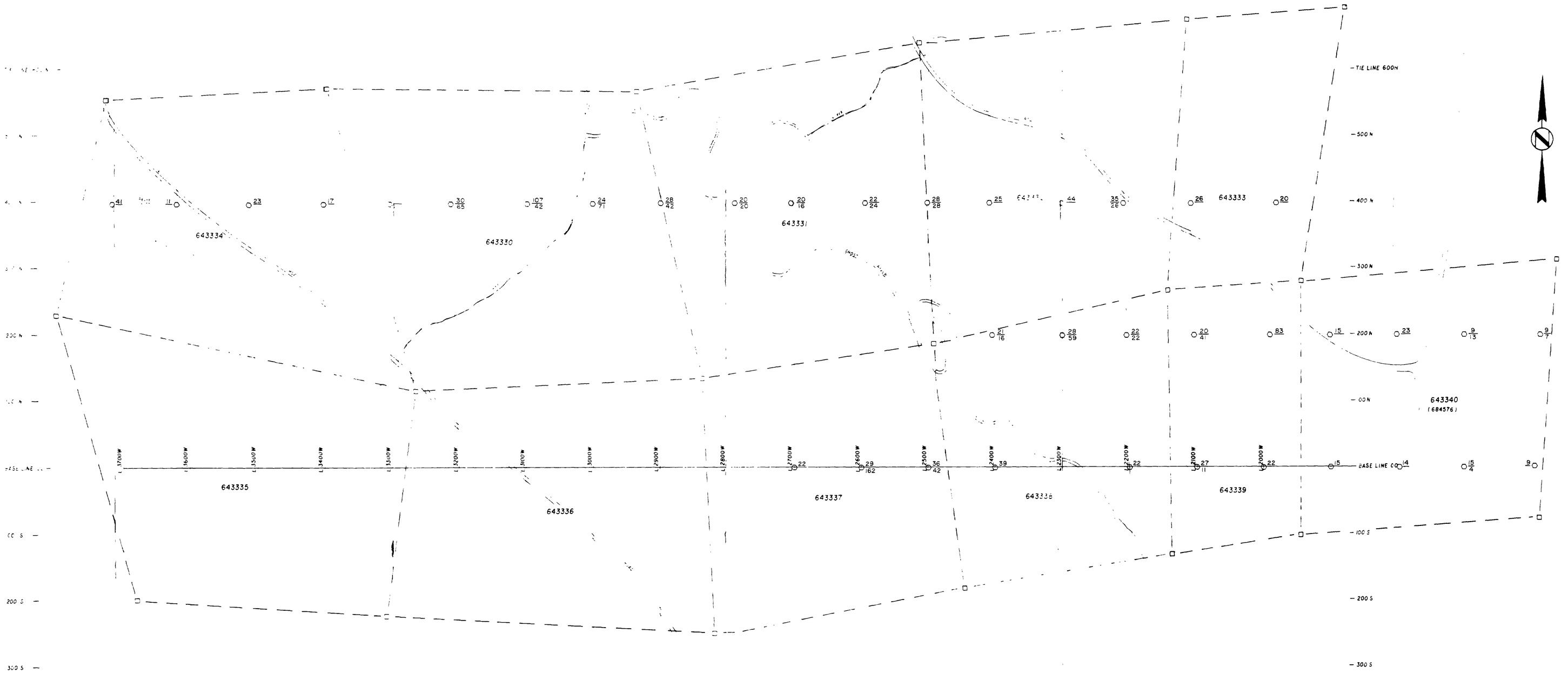
HARKER TOWNSHIP ONTARIO

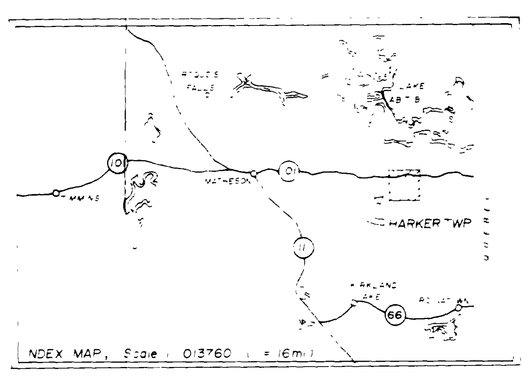
OVERBURDEN DRILLING PROGRAM

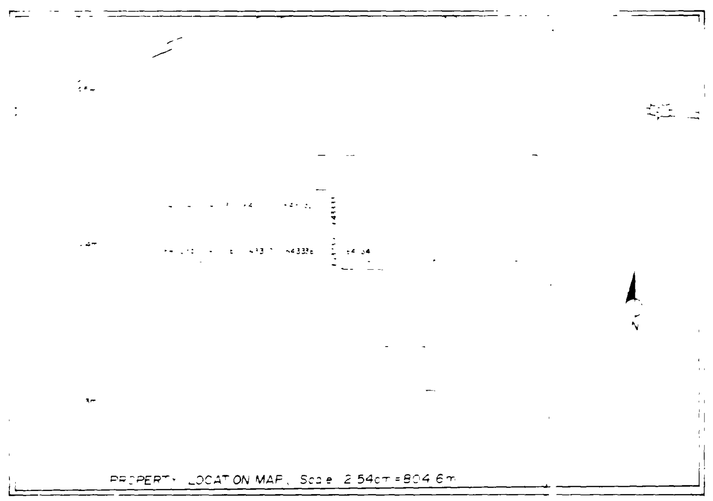
Au VALUES (P.P.B.) DRAWING No. N84-6

SCALE 1:2500 SEPTEMBER 1984

260







2 BASIL TILL PPM
5 BEDROCK PPM

KERR ADDISON MINES LIMITED

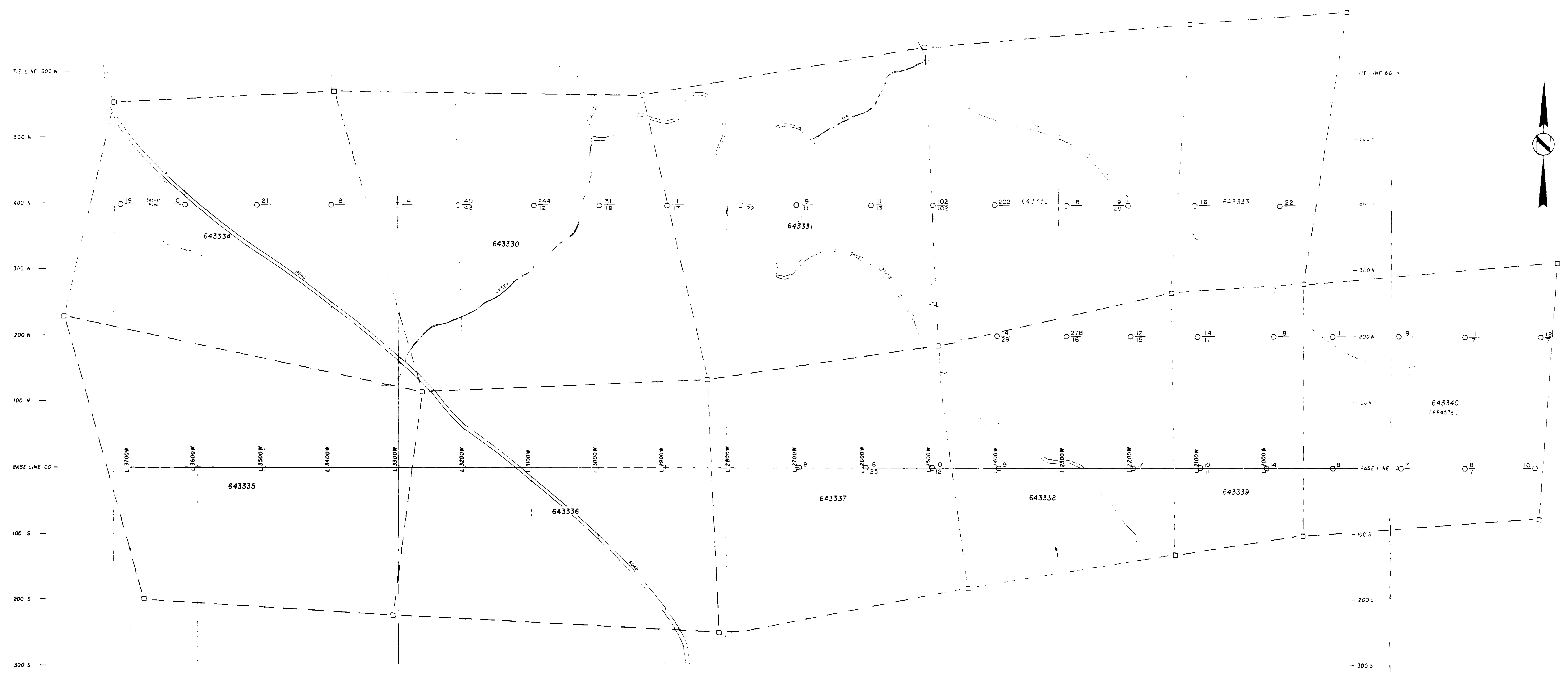
NEAL — HARKER — OPTION

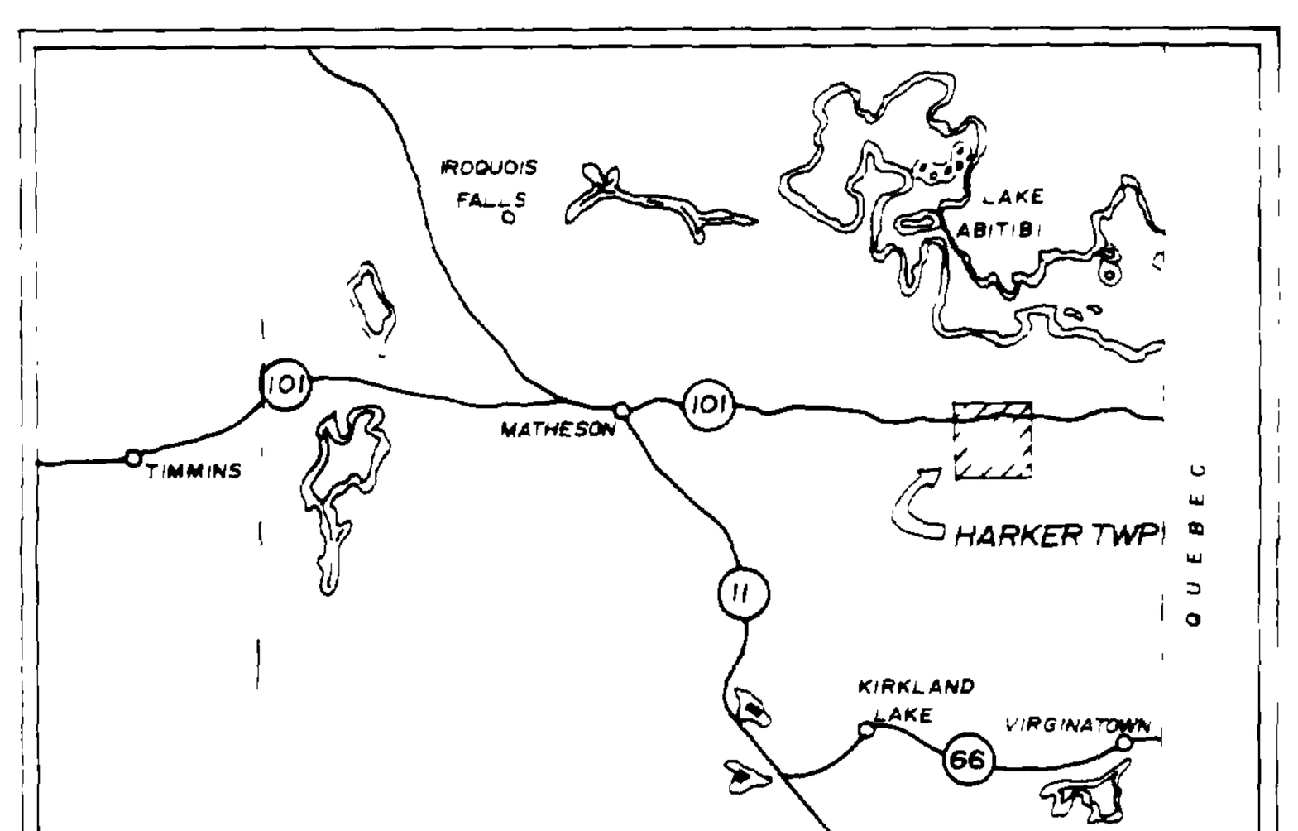
HARKER TOWNSHIP ONTARIO

OVERBURDEN DRILLING PROGRAM

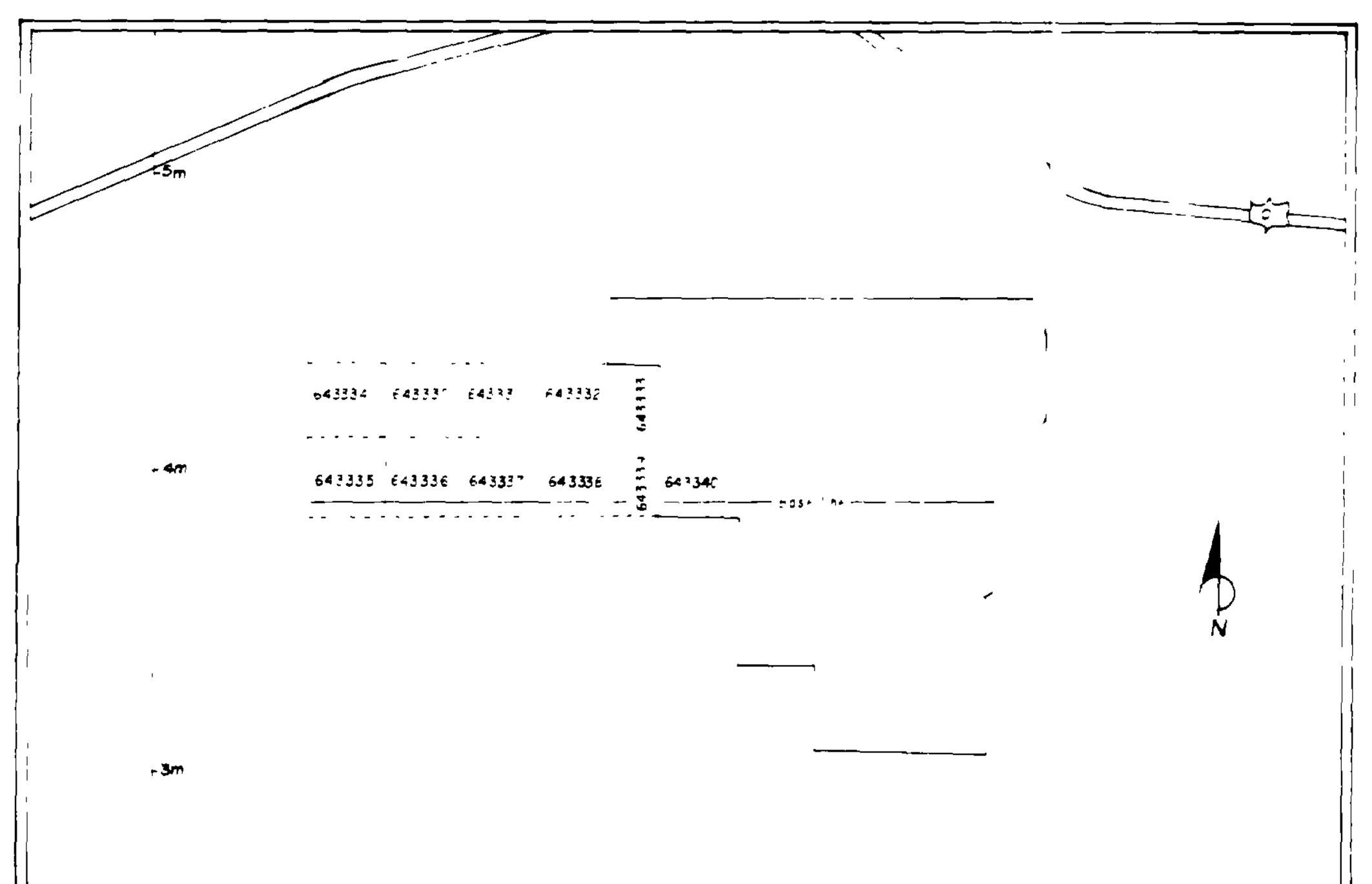
Cu VALUES (PPM.) DRAWING No. NB4-7

SCALE 1 2500 SEPTEMBER 1984





INDEX MAP, Scale 1:1013760 (1" = 16mi.)


PROPERTY LOCATION MAP, Scale 2.54cm = 804.6m

O 2/3 BASIL TILL PPM / BEDROCK PPM

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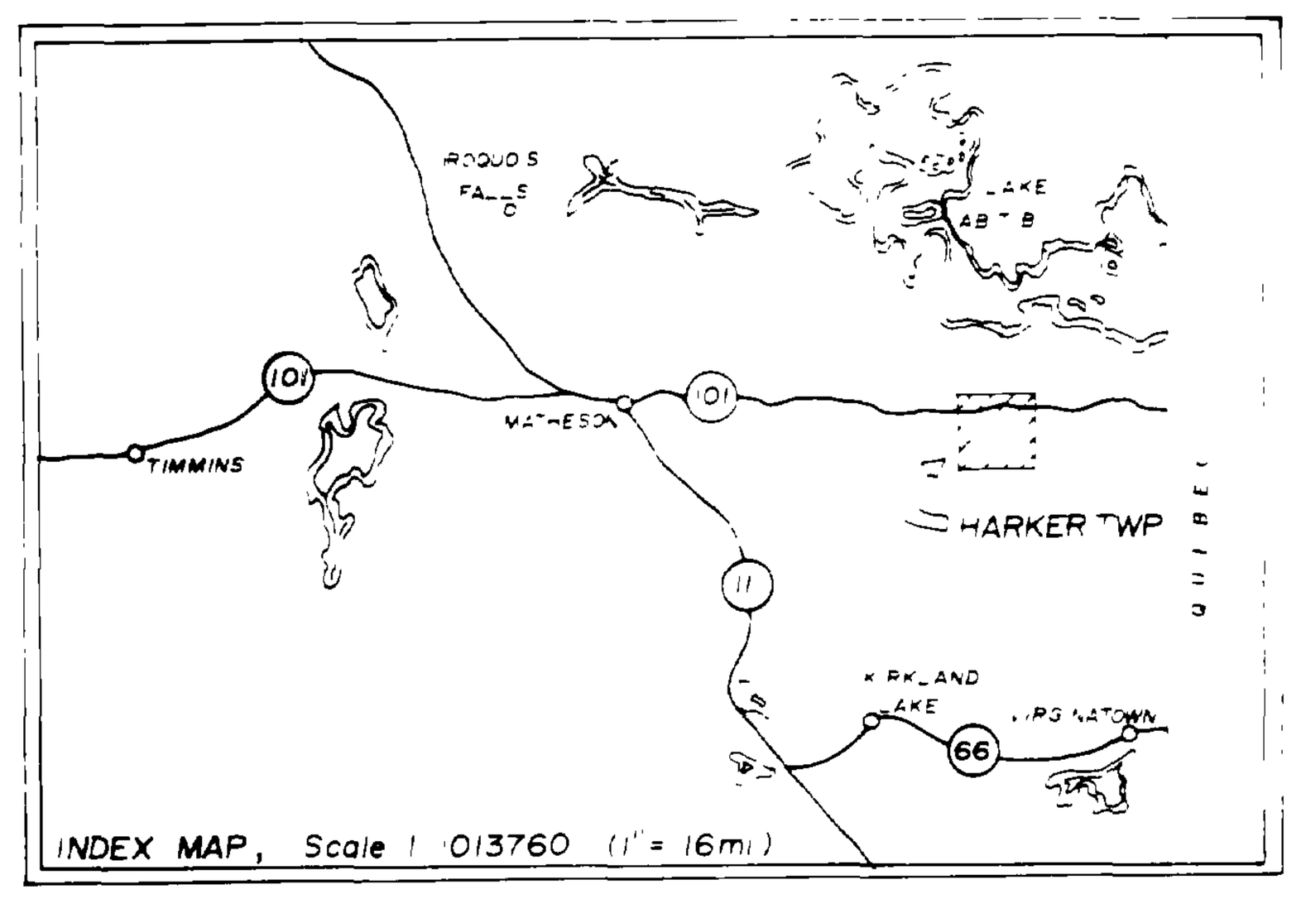
HARKER TOWNSHIP ONTARIO

OVERBURDEN DRILLING PROGRAM

Pb VALUES (PPM.) DRAWING No N84-8

SCALE 2500 SEPTEMBER 1984



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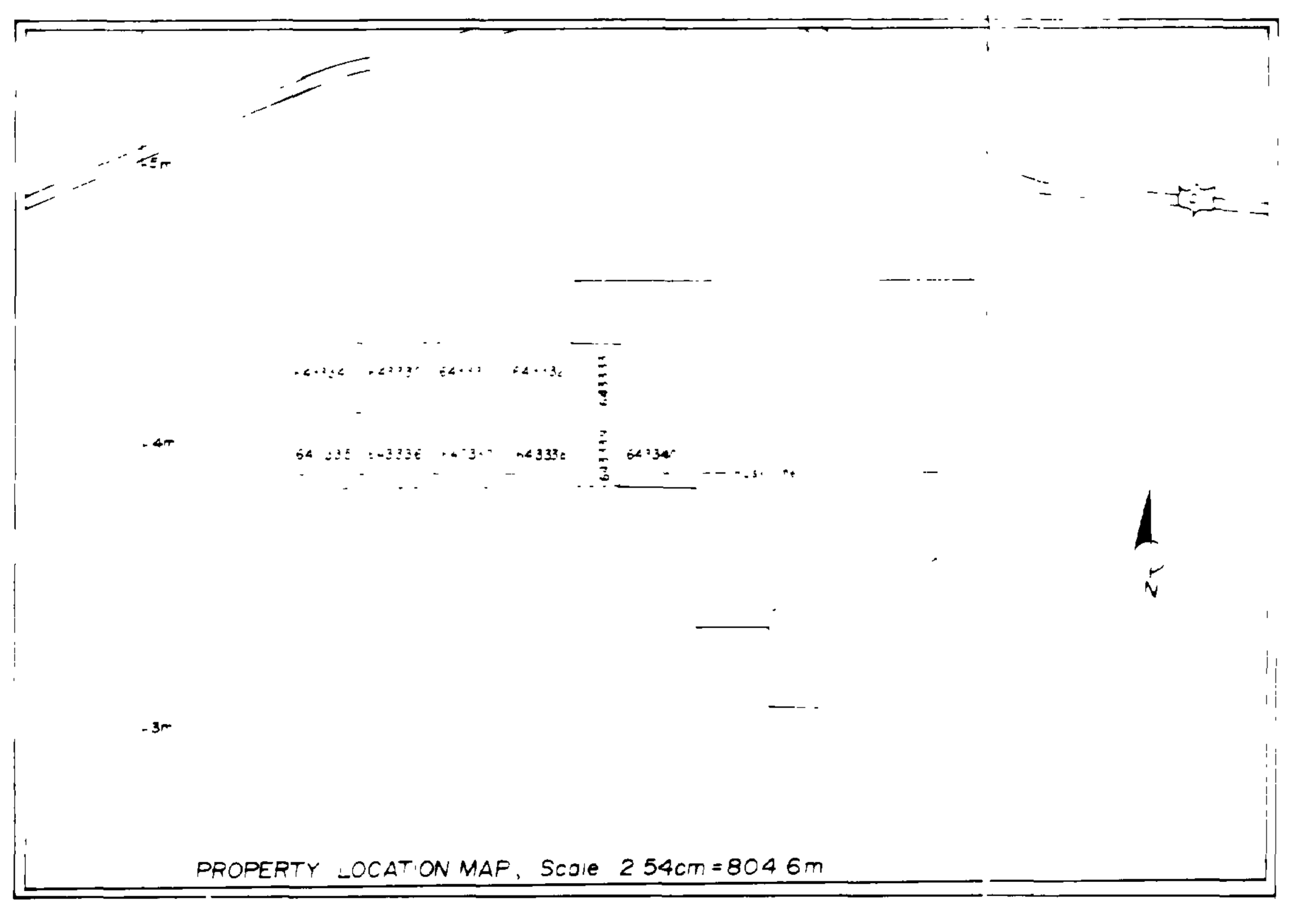

PROPERTY LOCATION MAP, Scale 2.54cm = 804.6m

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NEAL – HARKER – OPTION

HARKER TOWNSHIP ONTARIO

OVERBURDEN DRILLING PROGRAM

Zn VALUES (P.P.M.)

DRAWING No N84-9

SCALE 1:2500 SEPTEMBER 1984