



32D05NW0027 2.7717 THACKERAY

010

ASSESSMENT REPORT ON
GEOLOGICAL MAPPING
EM-VLF SURVEY
MAGNETOMETER SURVEY
ON
KERR-GARRISON PROPERTY

LARDER LAKE MINING DIVISION
DISTRICT OF COCHRANE

RECEIVED

JAN 29 1985

MINING LANDS SECTION

Sudbury, Ontario.
January, 1985

Mark M. Brenchley
Kerr Addison Mines Ltd.

Qual
2.1232



32D05NW0027 2.7717 THACKERAY

010C

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INTRODUCTION

In the months of April through September of 1984, Kerr Addison Mines Limited performed linecutting and three surveys on 109 mining claims located in Garrison and Thackeray Townships. The grid plan and survey data are plotted on maps contained within the report. Due to the size of the property, four separate maps numbered KG-1 through 4, were produced and will be referred to as such in the text. Results of the surveys are discussed in the following text.

LOCATION AND ACCESS

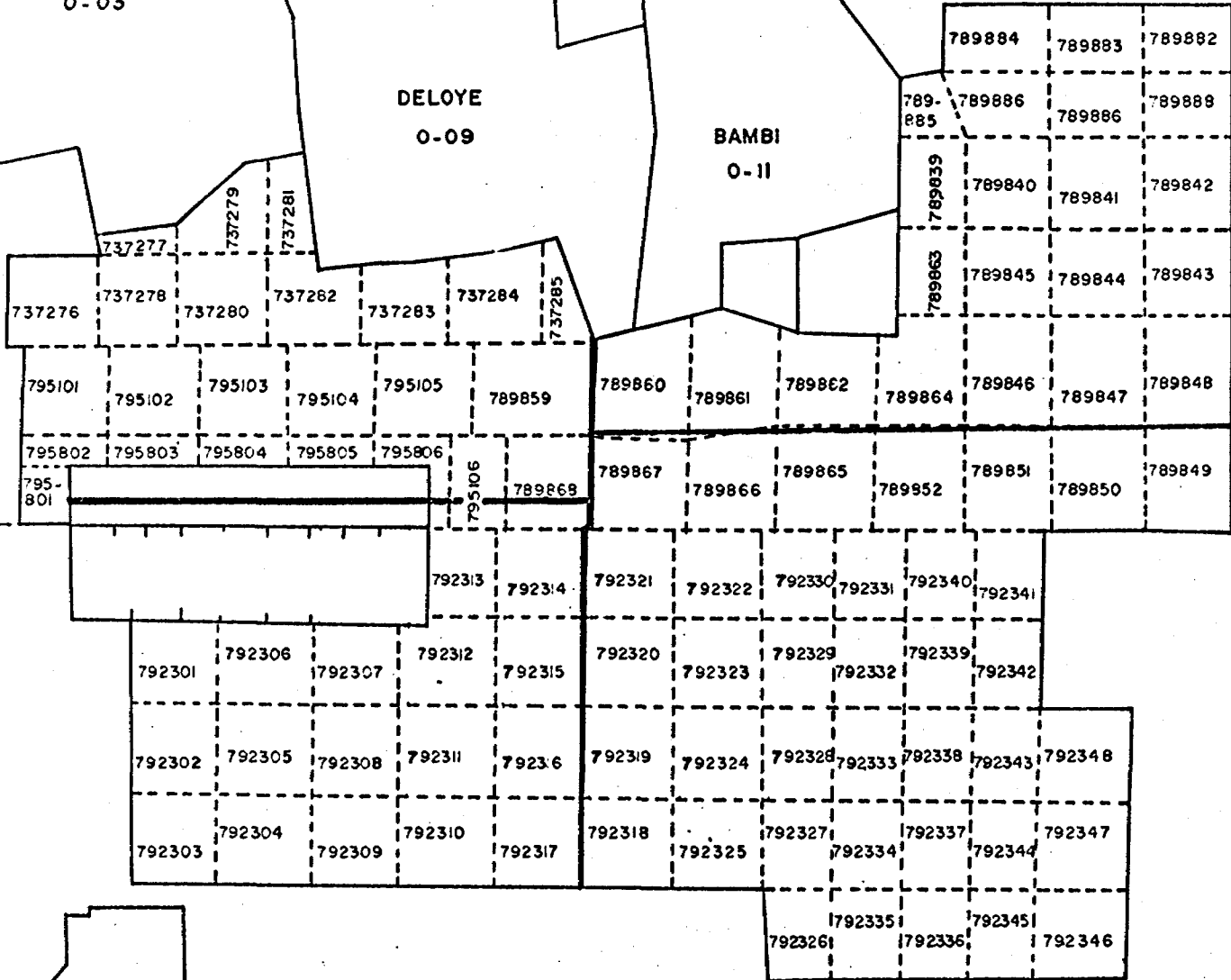
The claim block is located in the southeastern corner of Garrison Township and the northeastern corner of Thackeray Township. The claim block surrounds the Garrison-Thackeray Nature Reserve on three sides. There are 109 claims comprising the block, listed in Appendix I and illustrated in Figure 1.

Access to the property is excellent. Highway 101 leads east from Matheson, through the northern section of Garrison Township (see Figure 2). A gravel road, known locally as the Esker Lakes road, heads south from Highway 101 in Michaud Township, through the south-western part of Garrison Township, and central part of Thackeray Township. Secondary sand and gravel roads branch off this road to the east to the property. The northern claims (Map KG-2) may be accessed by a gravel road heading south from Highway 101 near the Garrison-Harker Township border.

MURPHY
0-03

DELOYE
0-09

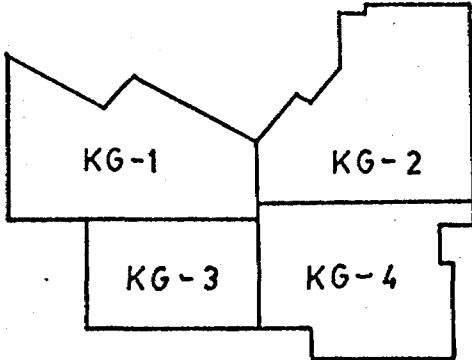
BAMBI
0-11



GARRISON TWP.
THACKERAY TWP.

HARKER TWP.

ELLIOT TWP.



KERR ADDISON MINES LTD.
 KERR GARRISON PROPERTY '0-30'
 GARRISON AND THACKERAY TWP.

1 INCH = 1/2 MILE

0 1/4 1/2 MILES

NTS. 32 D 5

SEPT. 1984

C. C.

FIGURE 1

PREVIOUS EXPLORATION WORK

This area was actively explored in 1946 and 1947. The Garthack Mining Company performed extensive work on a prospect in the central portion of the property (Claims 789866, 67). Mapping, trenching, pitting and the drilling of nine holes totalling approximately 2000 feet was done on a quartz stockwork within basic lavas. Much of the vein system is well mineralized with pyrite, but gold values were all reported below .06 oz/ton. A ground magnetometer survey was performed in 1948 to further define structures in the area. No further work was reported and the ground was dropped.

Adjoining the Garthack property to the west were four claims held by Cortez Exploration (Claim 893545 and the Garthack Nature Reserve). Two small shear zones were investigated by trenching and two holes totalling 354 feet of drilling. These encountered massive and pillowed basic flows and rare quartz stringers, which were sampled. Gold values ranged from trace to .01 oz/ton. No further work was reported and the ground allowed to lapse.

In 1947, N.B. Keevil drilled one hole, 1007 feet long in the south eastern part of claim 792342. It encountered basic lavas. A small zone of altered volcanic rock cut by a pyritic quartz-vein assayed 0.03 oz/ton Au over 0.8 feet. The ground was allowed to lapse.

In 1965, Inco Ltd. drilled two holes totalling 1017 feet, encountering minor sulphide mineralization. The claims were allowed to lapse, and no further work has been reported.

PHYSIOGRAPHY

The topography of the claim block is gently rolling to flat, except for the sharp relief breaks of eskers and steep stream gullies.

Map areas KG-1 and KG-3 are entirely within a broad, sand, outwash plain referred to as the "Munro Esker" by Jensen (1978). Glacial deposits consist of well sorted, medium to fine sand, which blanket the entire area, except for a hill of outcrop on the Garrison-Thackeray Township boundary, and a few small outcrops peripheral to this prominent feature. This area also contains numerous East-West trending sand and gravel eskers, 20 to 50 meters wide, 5 to 10 meters high, and up to one kilometer long. Stream channels have eroded steep gullies in the sand, up to 10 meters deep. Vegetation consists of Jack Pine, Spruce, Birch and Aspen forest and boggy ground, whether it be wet or dry grassy areas. The western portion has been lumbered out approximately 15 years ago, and most of the area has undergone reforestation.

Map areas KG-2 and KG-4 are extensively covered with thick deposits of ground moraine, limiting rock exposure to less than 1%. One prominent feature is a broad low stream valley, running north-south through this area, which contains the meandering Thackeray Creek. Most of this low lying valley is swampy and covered with thick tag alders. Most of the rest of the region has been lumbered out approximately 15 years ago. A secondary growth of alders, aspens, poplar, and numerous low bushes now cover the area.

GEOLOGY

The entire map area was traversed on the 100 meter spaced grid in an effort to define geology. In areas of possible outcrop, the areas between the lines were traversed in order to locate all possible outcrop. Due to the extensive cover of glacial deposits, outcrop exposure is at best poor, and for the most of the property, is nil.

There is a prominent hill, almost entirely within the boundaries of the Garrison-Thackeray Native Reserve, that is entirely outcrop. Most of the outcrop on the Kerr-Garrison property occurs on the periphery of this hill. The outcrop consist of a series of flows, variable in both composition and texture. The volcanic flows have a consistant strike of 060° to 070° and dip to the south, which concurs with the regional strike. The rock ranges in composition from grey-green magnesium-rich to dark green to black, iron-rich tholeiitic basalts. The magnetism in the rocks is variable with the magnesium-rich tholeiites being weakly magnetic. As iron content increases, so does the magnetism. Free magnetite can be seen in some outcrops. It is thought by Jensen (1978) that there is an increase in iron content as you traverse upwards in the stratigraphic section, though this relationship was not defined on the property. Pyrite is found in most of the rocks of the region in trace amounts, as finely disseminated grains, and rarer pyrite cubes up to 3mm in diameter. In a few locales, the basalt will contain up to 3% pyrite and can be distinguished by a rusty gossan on weathered surfaces.

Texturally, the rocks are predominantly massive, medium grained flows, although diabasic and gabbroic texture flows are present as well. Distinct flows are recognized by the presence of pillowed units, pillow breccia, or flow top breccia and the top of the massive flows. There are excellent examples of pillow basalt on the "hill" out-crop. Pillow size range 1.5 to 4 feet, contain chilled rims and are often variolitic. Chlorite, epidote and rarely garnet occur in the pillow interstities.

Thin bands of interflow sediment up to 30 cm. thick can be seen on the southern flanks of the hill outcrop. These are light

to medium grey, and relatively soft. Diabase dikes, up to 1 meter wide, cross the outcrop, parallel and subparallel to the local strike.

There is a second outcrop area on claims 789867, 868, previously known as the Garttack prospect. The area of exposure occurs on the west side of an interpreted North-South structure; the west side forms a scarp approximately 60 feet higher than the east side. The outcrops consist of iron-rich tholeiitic basalts containing a pyritic quartz stockwork. Previous work encountered low gold values over narrow widths. Some geochemical sampling performed in 1984 confirmed the presence of small amounts of gold.

There are no areas of high relief on map KG-2, and KG-4, hence outcrop is sparse. All outcrop located is the iron-rich tholeiitic basalt, massive and rarely brecciated varieties.

EM-VLF SURVEY

The entire property was surveyed with the Crone Radem EM-VLF unit, using Cutler, Maine as a signal source. Map areas KG-1 and KG-3 were also surveyed using Annapolis, Maryland as signal source. Station interval along the lines was 25 meters. Dip angle (positive or negative) was recorded, always with the operator facing the source of transmission. Dip angle maps with profiles were plotted, and subsequently the data were reduced using the Fraser filter method. Filtered data were then contoured, indicating conductive zones.

Due to depth of overburden on the property averages 80 feet the EM response due to bedrock features is poor. This is indicated by very weak crossovers throughout the map area. Most of the indicated conductors are at an angle to local stratigraphy, suggesting that they are not formational, and there is another cause. Many of the conductors are concurrent with sources of water, either swamps, bogs or streams. This relationship can best be seen when the topography map of KG-1 is compared with the VLF maps of the same area. The Fraser filtered conductive zones correspond to the streams and swamp of the area. Subterranean streams and aquifers within the layer of overburden are further causes for VLF anomalies.

It is also possible that the streams are a surface reflection of bedrock zones of structural weakness. In this situation the VLF may be picking up bedrock structure indirectly, though there is no way to substantiate this.

When VLF conductor axes are examined in conjunction with the magnetometer survey, it is seen that most of the axes do not conform to the local stratigraphy of the area. Magnetometer results indicate a strike ranging from 080° to 060° , while most conductor axes trend East-South-Easterly. Magnetometer-indicated breaks in stratigraphy, interpreted as structural lineaments trend generally North-westerly to northerly. On map areas KG-1, and KG-2 there are conductor axes, weak but real, that do correspond to some of these structural breaks. Claims 789868, 789860 contain a conductor concordant with a major north-south structural break. Interesting this zone is 150 meters north of the Garthack zone known to contain mineralization. Claims 789839, 840, 843, 844, 845 also

contain conductors that are associated with north-westerly, magnetometer-interpreted cross structures. These weak EM-VLF responses may in fact, be representative of important cross-structures, and should be followed up with further work.

MAGNETOMETER SURVEY

The EDA PPM 350 field unit and PPM 400 base station magnetometer were used for this survey. Corrected field data were plotted using 58,000 gammas as the base value, and then contoured, with contour interval being 100 gammas, except for the extremely high values, where it is 500 gammas.

In general, the contoured magnetometer maps indicate a relatively undisturbed succession of volcanic flows striking North-easterly across the property. In the west, the flows are east-west trending; as one moves east it can be seen that the flows take on a strike of 045° at the eastern map edge. This curve or crustal warping is most likely due to the emplacement of the Garrison stock, a circular, granitic body 1.5 kilometers to the north.

There is a 400 to 700 meter wide band of iron-rich tholeiitic basalt striking across the entire property. This rock has the highest magnetic response on the property. North and south of this "high" central band the iron content decreases while magnesium content increases within the basalts, indicated by the decreasing magnetic response.

Each of the four map areas will be discussed, with specific areas of interest outlined.

MAP KG-1 Regional stratigraphy is reflected well in the north-eastern map portion, with undisturbed flows striking 080° to 090° . In the eastern part of this sheet contours are much more irregular; the regional strike is still evident, although the area seems structurally disturbed. A major north-south magnetic break is presumed to be the southern extension of the Garrison "Canyon" structure, a rift within the Garrison stock to the north. It is reflected by a 150 meter wide magnetic low originating in the corner of the Deloye property and continuing south to grid coordinates 6E, 7S. This structure is particularly evident in that it abruptly truncates the highly magnetic central band. One hundred (100) meters to the west of the north-south break is a north-trending magnetic high, clearly discordant with local stratigraphy. This may be a mafic intrusive, as suggested by McVeigh in the previous Garthack work.

Other magnetic inferred structural features are located at:

- 1) 5E, BL to 7E, 3+50N; trend 330°
- 2) 10W, 6+50S to 4W, BL; trend 125° to 145°

MAP KG-2 There is a broad volcanic flow, likely iron-tholeiite striking northeast across the map sheet. South of this high central band, the magnetism decreases gradually. To the north of the band is a very low area of magnetic response exhibited by a 2000 drop in reading. This is either a very iron poor flow or a band of interflow sediment. If the latter is the case, it should be followed up with further work. North of this low band, the magnetic response increases. The same conformable strike is displayed although many of the contours indicate discontinuous or truncated beds. For example L 16+50 from 12N to 20N is a possible zone of structural weakness, due to east-west contours that butt up against this zone.

There are also three distinct zones within the magnetic high band, that suggest tectonic activity, there are three parallel zones of low magnetics, namely;

- 1) L 17E, 8N to L 20E, 6+50N, trend 115°
- 2) L 15E, 4+50N to L 17+50E, 3+50N, trend 115°
- 3) L 21E, 10+50N to L 23E, 9N, trend 120°

Zone 1 is a broad magnetic low and has a major tributary of Thackeray Creek flowing through it, suggesting a bedrock zoned of structural weakness.

MAP KG-3 This map is characterized by a very regular parallel succession of volcanic flows (strike 070° to 090°), highly magnetic in the north, with decreasing magnetic response as one goes south, indicating more magnesium-rich. There is very little interest in this monotonous volcanic succession, which is structurally undisturbed.

There is a north-west trending magnetic break originating at grid coordinate 13W, 10S, that continues onto the Nature Reserve. Within this structure is the Cortez Exploration showing, with grab samples (1984) assaying .12 oz/ton, demonstrating the link between structures and gold mineralization.

MAP KG-4 Most of KG-4 is characterized by the monotonous succession of volcanic flows striking 050°-070°, that continue eastward from map KG-3. The magnetic response decreases as one moves

southward. The major north-south structure, discussed in the KG-1 section, curves eastward as it enters MAP KG-4, with final trend of 120° . This is the only structural element indicated in the northern portion of the map.

In the south-eastern corner of the property the flows display the same strike with higher magnetic response but are truncated and offset indicating structures, four of which are;

- 1) L 6E, 12S to 7E, 24S, trend 135°
- 2) L 16E, 20S to 18E, 22S, trend 130°
- 3) L 16+50E, 15S to 19E, 17S, trend 125°
- 4) L 21E, 13S to 14S, trend 000°

There is a very weakly magnetic band of rock, possibly a layer of interflow sediment, along the same magnetic horizon and along strike showings in Harker township. This area would be worthwhile investigating.

In summary, the magnetometer survey clearly defines the different volcanic flows, iron rich and magnesims-rich, and possibly interflow sediments. Offsets and truncations outline zones of structural acitivity, of which 000° and 120° seem to be the dominant trend.

DISCUSSION

It is a well known fact that geologic structure plays a major role in the formation of ore deposits. This is summarized by Colvine et al. (1984). "Gold deposits occur within linear tectonic zones in which relatively high strain magnitudes and available kinematic indicators attest to shearing in transcurrent or thrust systems. These zones contain fault rocks and discrete ductile shears as well as relatively undeformed megaliths; they are also marked by transposition of stratigraphy into rough parallelism with the deformation zone. Within the zones, many conduits for fluid flow were generated, dependent on variable competency response to prevailing strain".

The Destor-Porcupine Fault Zone, a major regional shear zone is five kilometers to the north of the property. The emplacement of the Garrison stock, 1.5 kilometers to the northwest, appears to have caused a warping of the rocks of the property. Though these two regional features have not caused intense deformation and faulting, the stress associated with them is important when studying this property structurally and economically.

Inferred from geological information from local and regional maps, the entire property is underlain by tholeiitic basalts, with possibly two bands of interflow sediments. Since lithologic differences are not a factor in controlling ore formation on this property, the study should concentrate on structurally favorable areas for ore formation.

There are two distinct structural trends on the property, namely north-south and 120° . The north-south trend is pronounced throughout the region, and corresponds to the Garrison Canyon zone. The 120° structural trend is thought to be resulting from the Garrison stock emplacement, with radial stress developing as the volcanic flows were warped. For much of the property a $120^{\circ}/300^{\circ}$ vector leads to the center of the Garrison stock, supporting this hypothesis. There are two known gold occurrences on the property, the Garthack and Cortez showings. Both are associated with north-south magnetic features. The Garthack prospect is situated 150 meters west of the

main north-south structure, in the only area of outcrop, near the structure. The Garthack stockwork zone parallels the trend of the major structure, indicating an association between the two. It is felt that there is similar zones of high potential adjacent to this structure, that are buried beneath thick deposits of outwash sand. This is a high priority area for further work.

1.5 kilometers east of this zone is another area of interest. Magnetic information suggests numerous structures crossing the band of highly magnetic basalt, on a 120° trend. Further work testing the potential of these zones is justified.

Immediately north of this zone is a low magnetic band, one hundred meters wide, possibly interflow sediments down strike from gold bearing sediments in Harker Township, which produce a similar magnetic response. There is another low-magnetic band, 1.5 km. to the south, which also has the potential of hosting gold. These should be investigated.

RECOMMENDATIONS

Due to depth of overburden ranging from 10 to 150 feet, the property has not been sampled, nor has previous work tested the zones outlined above. Reverse circulation overburden drilling is recommended on these zones, followed by diamond drilling on favorable area.

Zone 1 Lines 5W to 5E

3N to 9S

-drill traverses east-west, 100 meter spacing

-line spacing 200 to 300 meters.

Zone 2 Lines 12E to 22E

1N to 11N

-selected traverses across strike near structural features.

Zone 3 L. 10E, 19S to L. 22E, 12S

-selected traverses across this band near structural features. ie. line 21 and line 17.

REFERENCES

Colvine, A.C. et al.

1984: An Integrated Model for the Origin of Archean Lode Gold Deposits, Ontario Geological Survey Open File Report 5524, 98 page.

Jensen, L.S.

1978: Geology of Thackeray, Elliot, Tannahill and Dokis Townships, District of Cochrane; Ontario Geological Survey Report 165, 71 page.

Satterly, J.

1949: Geology of Garrison Township, Ontario Department of Mines, Vol. LVIII, Part IV, 31 page.

CERTIFICATE

I, Mark M. Brendley, certify that:

- 1) I am a graduate geological engineer, having completed the Applied Science (Mineral Exploration) degree program in 1982. I have worked in mineral exploration since graduation and for the past year and a half for Kerr Addison Mines Limited. I am presently registered as a Graduate Engineer in training (G.E.I.T.) with Association of Professional Engineers of Ontario.
- 2) The field work described in the attached report was carried out under my direction by Kerr Addison employees. The interpretations and conclusion written in this report are based on my training and professional experience.

APPENDIX I
TECHNICAL DATA STATEMENT
AND CLAIM LIST

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

Number of Stations 7468 Number of Readings 7468
Station interval 25 meter Line spacing 100 meter
Profile scale VLF 1 mm = 1 degree
Contour interval MAGNETOMETER

MAGNETIC

Instrument EDA PPM 350 FIELD UNIT, EDA PPM 400 BASE STATION
Accuracy - Scale constant ± 0.1 GAMMA, RANGE OF 18000 to 93000 GAMMA
Diurnal correction method RECORDING BASE STATION, FIXED LOCATION
Base Station check-in interval (hours) AUTO-RECORDING, 30 SECOND INTERVAL
Base Station location and value MURPHY-GARRISON PIT CAMP, 61,500 GAMMAS

ELECTROMAGNETIC

Instrument CRONE RADEM EM-VLF UNIT.
Coil configuration N.A.
Coil separation N.A.
Accuracy ± 1/2 DEGREE, RANGE OF ± 80°
Method: Fixed transmitter Shoot back In line Parallel line
Frequency CUTLER, MAINE I
(specify V.L.F. station)
Parameters measured DIP ANGLE IN DEGREES

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 _____

LIST OF CLAIMS

- L. 737276, 77, 78, 79, 80, 81, 82, 83, 84 & 85
- L. 789839, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51 & 52.
- L. 789859, 60, 61, 62, 63, 64, 65, 66, 67, & 68
- L. 789879, 80, 81, 82, 83, 84, 85, 86, 87 & 88
- L. 792301, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14,
15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27,
28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40
41, 42, 43, 44, 45, 46, 47, 48
- L. 795101, 102, 103, 104, 105 & 106
- L. 795801, 802, 803, 804, 805 & 806
- L. 803545, 546, 547, 548 & 549

LIST OF CLAIMS

- L. 737276, 77, 78, 79, 80, 81, 82, 83, 84 & 85
- L. 789839, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51 & 52.
- L. 789859, 60, 61, 62, 63, 64, 65, 66, 67, & 68
- L. 789879, 80, 81, 82, 83, 84, 85, 86, 87 & 88
- L. 792301, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14,
15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27,
28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40
41, 42, 43, 44, 45, 46, 47, 48
- L. 795101, 102, 103, 104, 105 & 106
- L. 795801, 802, 803, 804, 805 & 806
- L. 803545, 546, 547, 548 & 549

1985 03 15

Your File: 578
Our File: 2.7717

Mining Recorder
Ministry of Natural Resources
4 Government Road East
Kirkland Lake, Ontario
P2N 1A2

Dear Sir:

RE: Notice of Intent dated February 20, 1985
Geophysical (Electromagnetic & Magnetometer)
and Geological Survey on Mining Claims
L 737276, et. al., in Garrison and Thackeray
Townships

The assessment work credits, as listed with the
above-mentioned Notice of Intent, have been approved
as of the above date.

Please inform the recorded holder of these mining
claims and so indicate on your records.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: (416)965-4888

D. Kinvig:mc

cc: Kerr Addison Mines Ltd
Suite 200
174 Larch Street
Sudbury, Ontario
P3G 1C6
Attention: Mark M. Brenchley

cc: Resident Geologist
Kirkland Lake, Ontario

cc: Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario

Encl.

Recorded Holder **KERR ADDISON MINES LTD**
 Township or Area **GARRISON AND THACKERAY TOWNSHIPS**

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic _____ 20 days Magnetometer _____ 20 days Radiometric _____ days Induced polarization _____ days Other _____ days Section 77 (19) See "Mining Claims Assessed" column Geological _____ 40 days Geochemical _____ days Man days <input type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/> <input type="checkbox"/> Credits have been reduced because of partial coverage of claims. <input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	L 737276 to 80 inclusive 737282-83 789839 to 48 inclusive 789850 to 52 inclusive 789859 to 68 inclusive 789880 to 88 inclusive 792301 to 45 inclusive 795101 to 06 inclusive 795802 to 06 inclusive 803545 to 49 inclusive

Special credits under section 77 (16) for the following mining claims

<u>10 DAYS ELECTROMAGNETIC</u> <u>10 DAYS MAGNETOMETER AND</u> <u>20 DAYS GEOLOGICAL</u> L 737281 789849 789879 792346-47	<u>5 DAYS ELECTROMAGNETIC</u> <u>10 DAYS MAGNETOMETER</u> <u>20 DAYS GEOLOGICAL</u> L 737284 792348
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No credits have been allowed for the following mining claims

not sufficiently covered by the survey Insufficient technical data filed

L 737285
795801

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical — 80; Geological — 40; Geochemical — 40; Section 77 (19)—60:



Ministry of
Natural
Resources

March 7/85

1985 02 20

Your File: 578
Our File: 2.7717

Mining Recorder
Ministry of Natural Resources
4 Government Road East
Kirkland Lake, Ontario
P2N 1A2

Dear Sir:

Enclosed are two copies of a Notice of Intent with statements listing a reduced rate of assessment work credits to be allowed for a technical survey. Please forward one copy to the recorded holder of the claims and retain the other. In approximately fifteen days from the above date, a final letter of approval of these credits will be sent to you. On receipt of the approval letter, you may then change the work entries on the claim record sheets.

For further information, if required, please contact Mr. R.J. Pichette at 416/965-4888.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3

R.D.K. D. Kinvig:mc

Encls.

cc: Kerr Addison Mines Ltd
Suite 200
174 Larch Street
Sudbury, Ontario
P3G 1C6
Attention: Mark M. Brenchley

cc: Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario



Ontario

Ministry of
Natural
Resources

Notice of Intent
for Technical Reports

1985 02 20

2.7717/578

An examination of your survey report indicates that the requirements of The Ontario Mining Act have not been fully met to warrant maximum assessment work credits. This notice is merely a warning that you will not be allowed the number of assessment work days credits that you expected and also that in approximately 15 days from the above date, the mining recorder will be authorized to change the entries on his record sheets to agree with the enclosed statement. Please note that until such time as the recorder actually changes the entry on the record sheet, the status of the claim remains unchanged.

If you are of the opinion that these changes by the mining recorder will jeopardize your claims, you may during the next fifteen days apply to the Mining and Lands Commissioner for an extension of time. Abstracts should be sent with your application.

If the reduced rate of credits does not jeopardize the status of the claims then you need not seek relief from the Mining and Lands Commissioner and this Notice of Intent may be disregarded.

If your survey was submitted and assessed under the "Special Provision-Performance and Coverage" method and you are of the opinion that a re-appraisal under the "Man-days" method would result in the approval of a greater number of days credit per claim, you may, within the said fifteen day period, submit assessment work breakdowns listing the employees names, addresses and the dates and hours they worked. The new work breakdowns should be submitted direct to the Land Management Branch, Toronto. The report will be re-assessed and a new statement of credits based on actual days worked will be issued.



KERR ADDISON MINES LIMITED

SUITE 200, 174 LARCH STREET

SUDBURY, ONTARIO P3E 1C6

TELEPHONE (705) 673-1335

2.7717

January 23, 1985,

Mr. Matthews,
Mining Lands Section,
MInistry of Natural Resources,
Room 6610, Whitney Block,
Queens Park,
Toronto, Ontario.
M7A 1W3

Dear Mr. Matthews:

Please find enclosed 2 copies of a work report for the property of Exploration Kerr Addison Inc. in Garrison and Thackeray Townships.

Yours Sincerely,

A handwritten signature in cursive script that reads "R. K. Germundson".

R.K. Germundson, PhD
District Geologist.

RKG:p1

RECEIVED

JAN 29 1985

MINING LANDS SECTION

Mining Lands Section

File No 27717

Control Sheet

TYPE OF SURVEY GEOPHYSICAL
 GEOLOGICAL
 GEOCHEMICAL
 EXPENDITURE

MINING LANDS COMMENTS:

Lgd.

L.D.

Demisk.

Signature of Assessor

Feb. 14/85

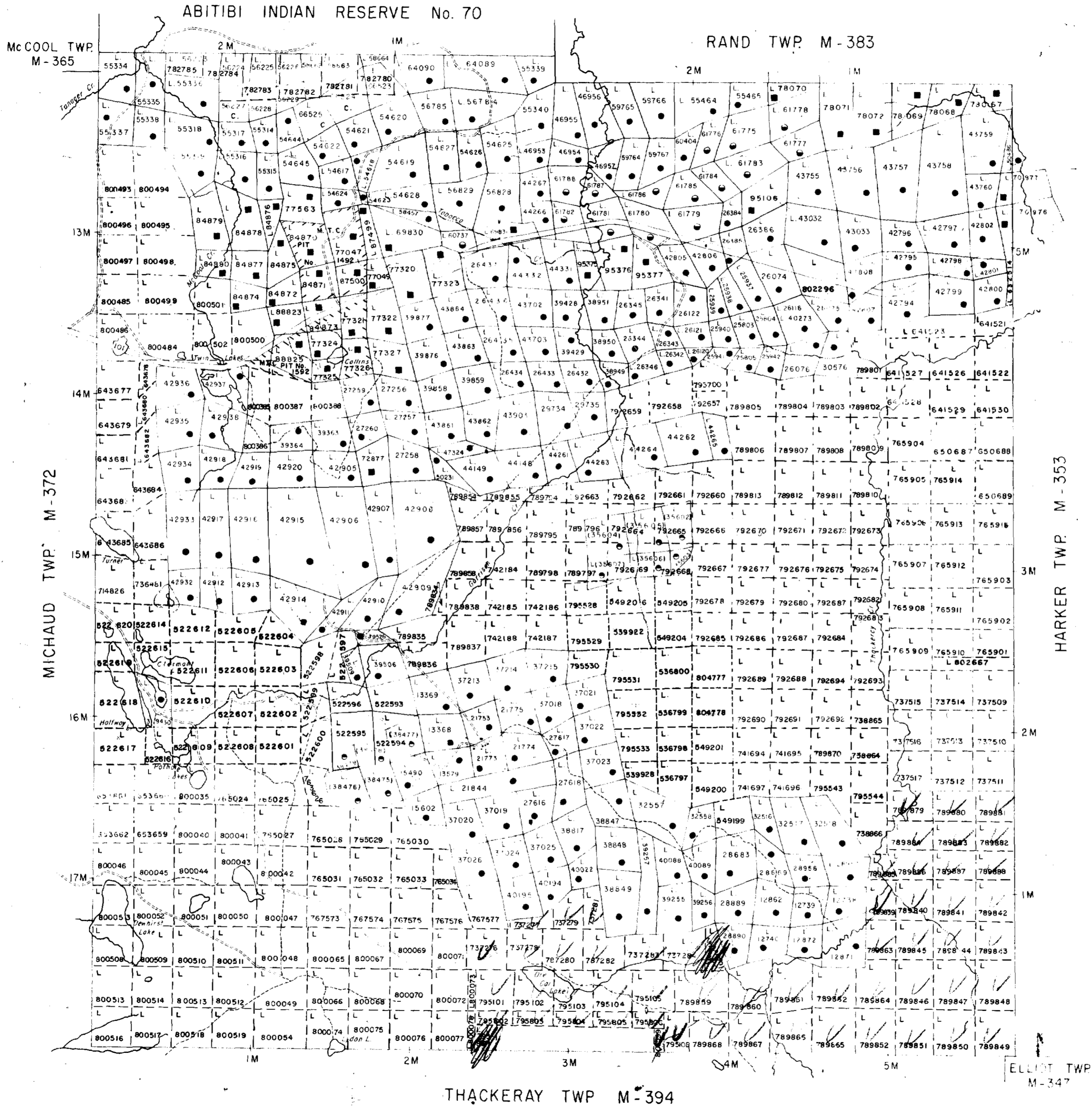
Date

	E.M.	Mag.	Geol.		E.M.	Mag.	Geol.		E.M.	Mag.	Geol.
L.- 737276	✓	✓	✓	789859	✓	✓	✓	792305	✓	✓	✓
77	✓	✓	✓	60	✓	✓	✓	06	✓	✓	✓
78	✓	✓	✓	61	✓	✓	✓	07	✓	✓	✓
79	✓	✓	✓	62	✓	✓	✓	08	✓	✓	✓
80	✓	✓	✓	63	✓	✓	✓	09	✓	✓	✓
81	1/2	1/2	1/2	64	✓	✓	✓	10	✓	✓	✓
82	✓	✓	✓	65	✓	✓	✓	11	✓	✓	✓
83	✓	✓	✓	66	✓	✓	✓	12	✓	✓	✓
84	3/4	1/2	1/2	67	✓	✓	✓	13	✓	✓	✓
737285	0	0	0	789868	✓	✓	✓	14	✓	✓	✓
789839	✓	✓	✓	789879	1/2	1/2	1/2	15	✓	✓	✓
40	✓	✓	✓	80	✓	✓	✓	16	✓	✓	✓
41	✓	✓	✓	81	1/4	1/4	1/4	17	✓	✓	✓
42	✓	✓	✓	82	✓	✓	✓	18	✓	✓	✓
43	✓	✓	✓	83	✓	✓	✓	19	✓	✓	✓
44	✓	✓	✓	84	1/4	1/4	✓	20	✓	✓	✓
45	✓	✓	✓	85	✓	✓	✓	21	✓	✓	✓
46	✓	✓	✓	86	1/4	1/4	✓	22	✓	✓	✓
47	✓	✓	✓	87	✓	✓	✓	23	✓	✓	✓
48	✓	✓	1/4	789888	✓	✓	✓	24	✓	✓	✓
49	1/2	1/2	1/2	792301	✓	✓	✓	25	✓	✓	✓
50	✓	✓	✓	02	✓	✓	✓	26	✓	✓	✓
51	✓	✓	✓	03	✓	✓	✓	27	✓	✓	✓
789852	✓	✓	✓	04	✓	✓	✓	792328	✓	✓	✓

	E.M.	Mag.	Geol.		E.M.	Mag.	Geol.		E.M.	Mag.	Geol.
L-792329	✓	✓	✓	792343	✓	✓	✓	795803	✓	✓	✓
30	✓	✓	✓	44	✓	✓	✓	04	✓	✓	✓
31	✓	✓	✓	45	✓	✓	✓	05	✓	✓	✓
32	✓	✓	✓	46	1/2	1/2	1/2	795806	✓	✓	✓
33	✓	✓	✓	47	1/2	1/2	1/2	803545	✓	✓	✓
34	✓	✓	✓	792348	3/4	3/4	3/4	46	✓	✓	✓
35	✓	✓	✓	795101	✓	✓	✓	47	✓	✓	✓
36	✓	✓	✓	02 (late)	1/2	1/4	>1/4	48	✓	✓	✓
37	✓	✓	✓	03	✓	✓	✓	803549	✓	✓	✓
38	✓	✓	✓	04	✓	✓	✓				
39	✓	✓	✓	05	✓	✓	✓				
40	✓	✓	✓	795106	✓	✓	✓				
41	✓	✓	✓	795801	0	0	0				
42	✓	✓	✓	795802	✓	✓	✓				

W. J. ... 1953
S. J. ...
D. K. ...

D. K.



THE TOWNSHIP
OF

GARRISON

DISTRICT OF
COCHRANE

LARDER LAKE
MINING DIVISION

SCALE: 1-INCH 40 CHAINS

DISPOSITION OF CROWN LANDS

- PATENT, SURFACE AND MINING RIGHTS ----- ●
- " " SURFACE RIGHTS ONLY ----- ○
- " " MINING RIGHTS ONLY ----- ◐
- LEASE, SURFACE AND MINING RIGHTS ----- ■
- " " SURFACE RIGHTS ONLY ----- □
- " " MINING RIGHTS ONLY ----- ◑
- LICENCE OF OCCUPATION ----- ▼

- ROADS -----
- IMPROVED ROADS -----
- KING'S HIGHWAYS -----
- RAILWAYS -----
- POWER LINES -----
- MARSH OR MUSKEG -----
- MINES -----
- CANCELLED -----

NOTES

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

PLAN NO. **M-349**

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

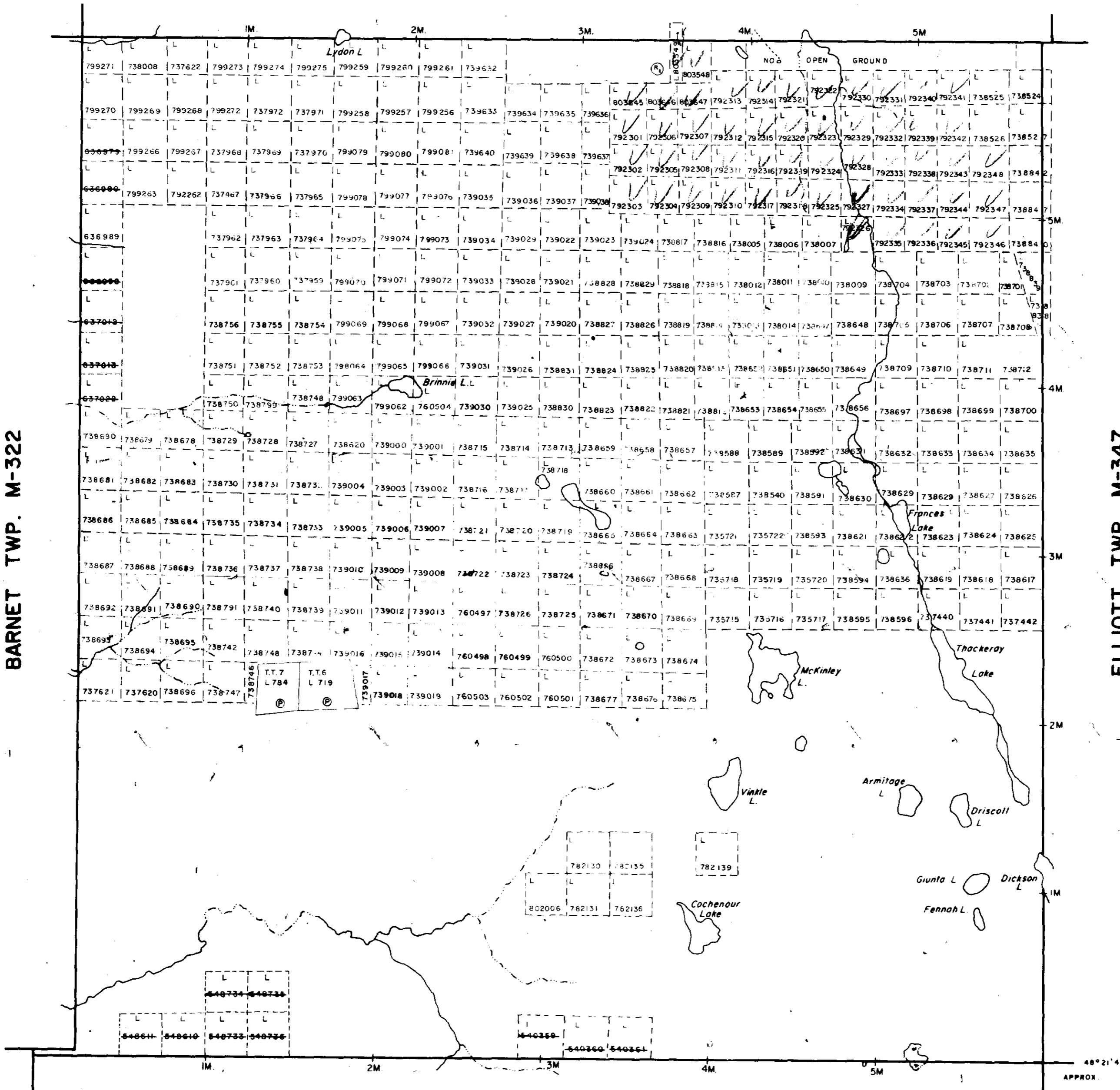


32065N0027 2.717 THACKERAY

GARRISON TWP. M-349

BARNET TWP. M-322

ELLIOTT TWP. M-347



BISLEY TWP. M-328

NOTES

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

LEGEND

- PATENTED LAND (P) or ●
- PATENTED FOR SURFACE RIGHTS ONLY ○
- LEASE L
- LICENSE OF OCCUPATION L.O.
- CROWN LAND SALES C.S.
- LOCATED LAND Loc.
- CANCELLED C.
- MINING RIGHTS ONLY M.R.O.
- SURFACE RIGHTS ONLY S.R.O.
- HIGHWAY & ROUTE NO. (17)
- ROADS —
- TRAILS - - -
- RAILWAYS =
- POWER LINES —
- MARSH OR MUSKEG (wavy lines)
- MINES X

*used only with summer resort locations or when space is limited

TOWNSHIP OF

THACKERAY

DISTRICT OF COCHRANE

LARDER LAKE MINING DIVISION

SCALE : 1 INCH = 40 CHAINS (1/2 MILE)

DR. R.W. NOBLE
DATE NOV. 4, 71

PLAN NO. **M-394**

ONTARIO

MINISTRY OF NATURAL RESOURCES

SURVEYS AND MAPPING BRANCH

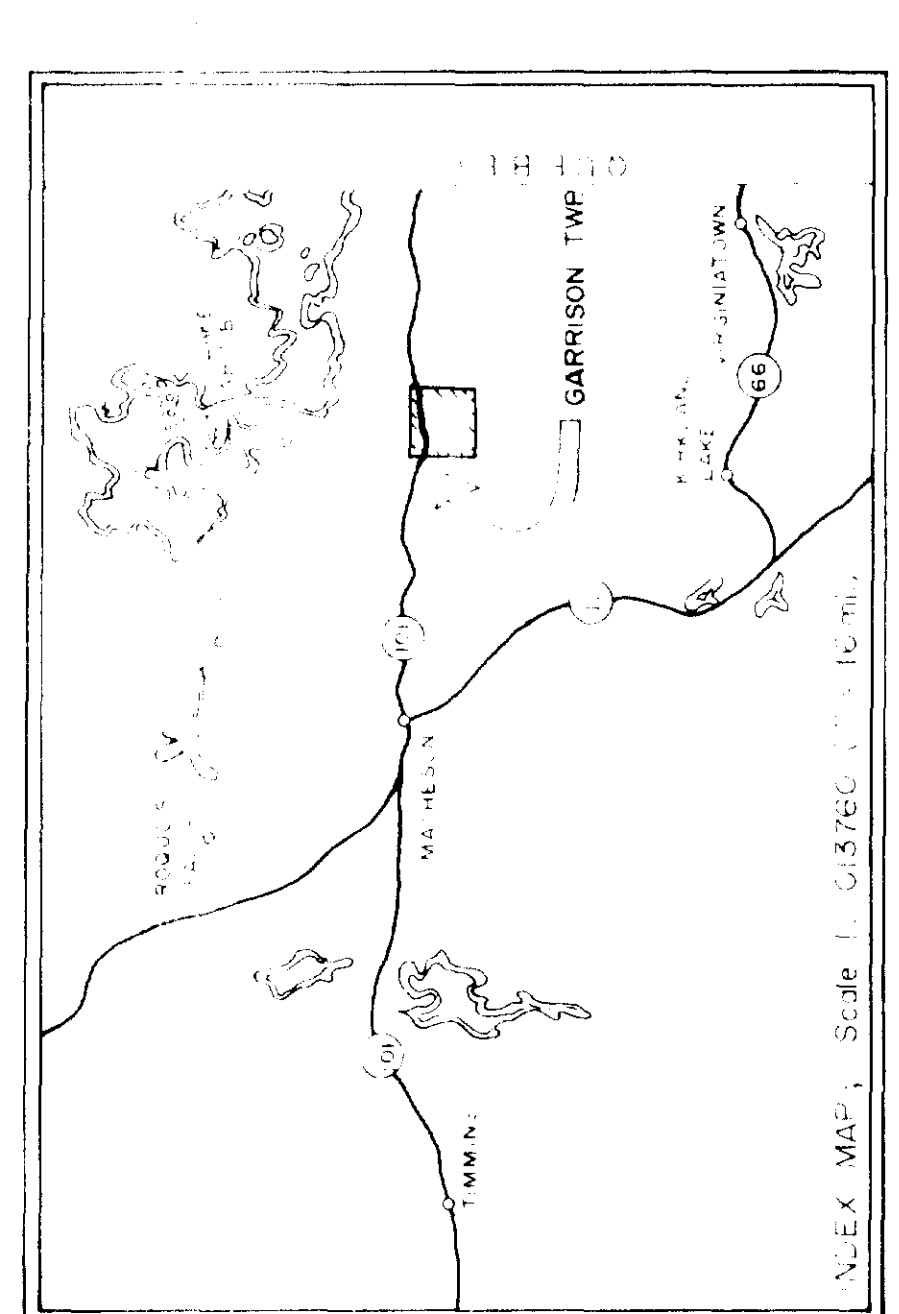
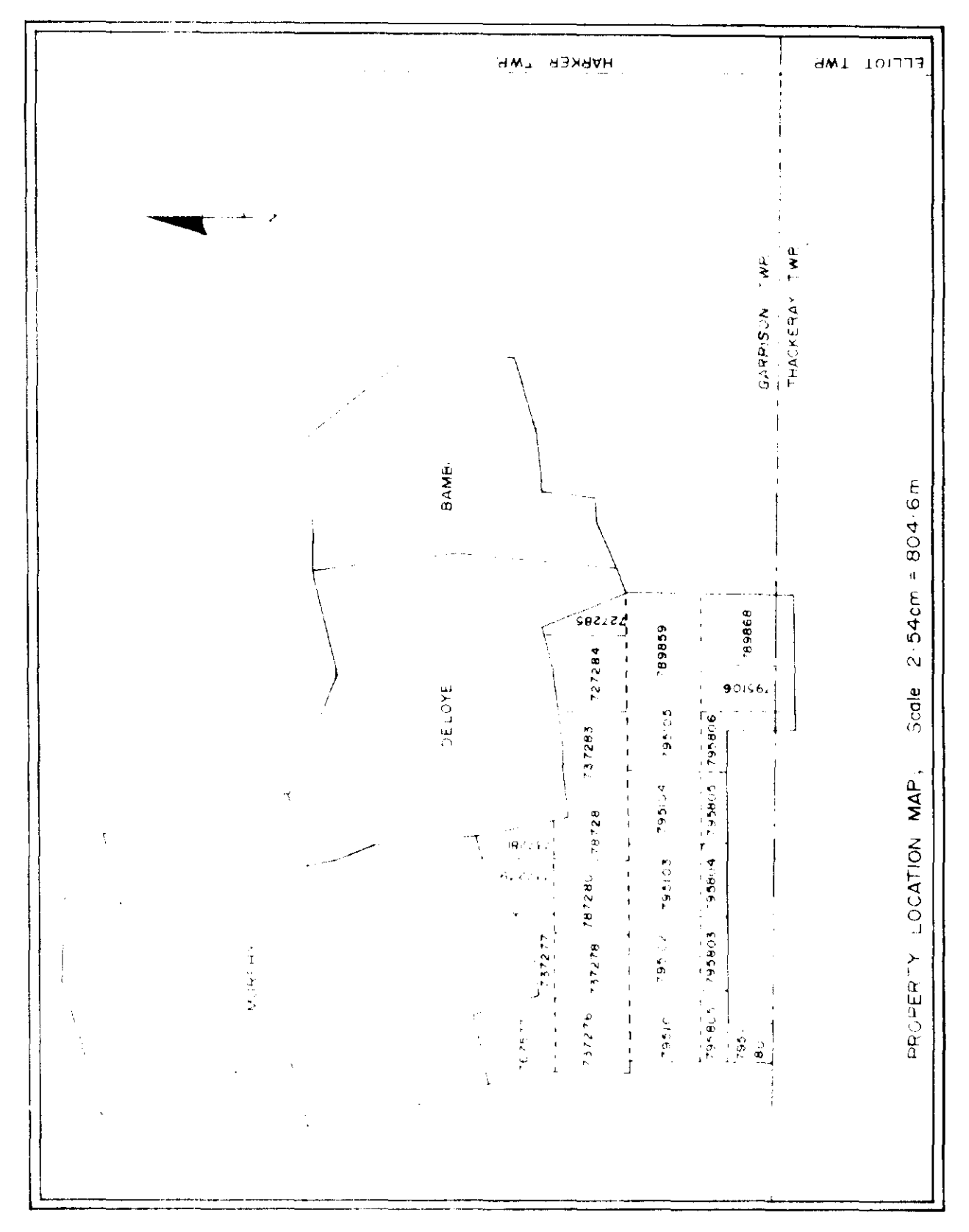
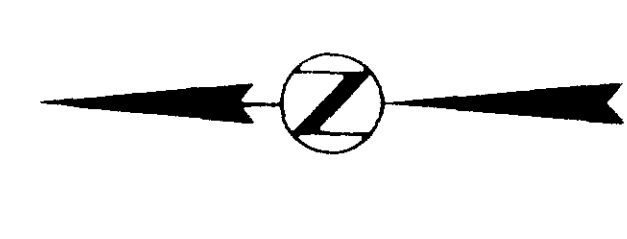
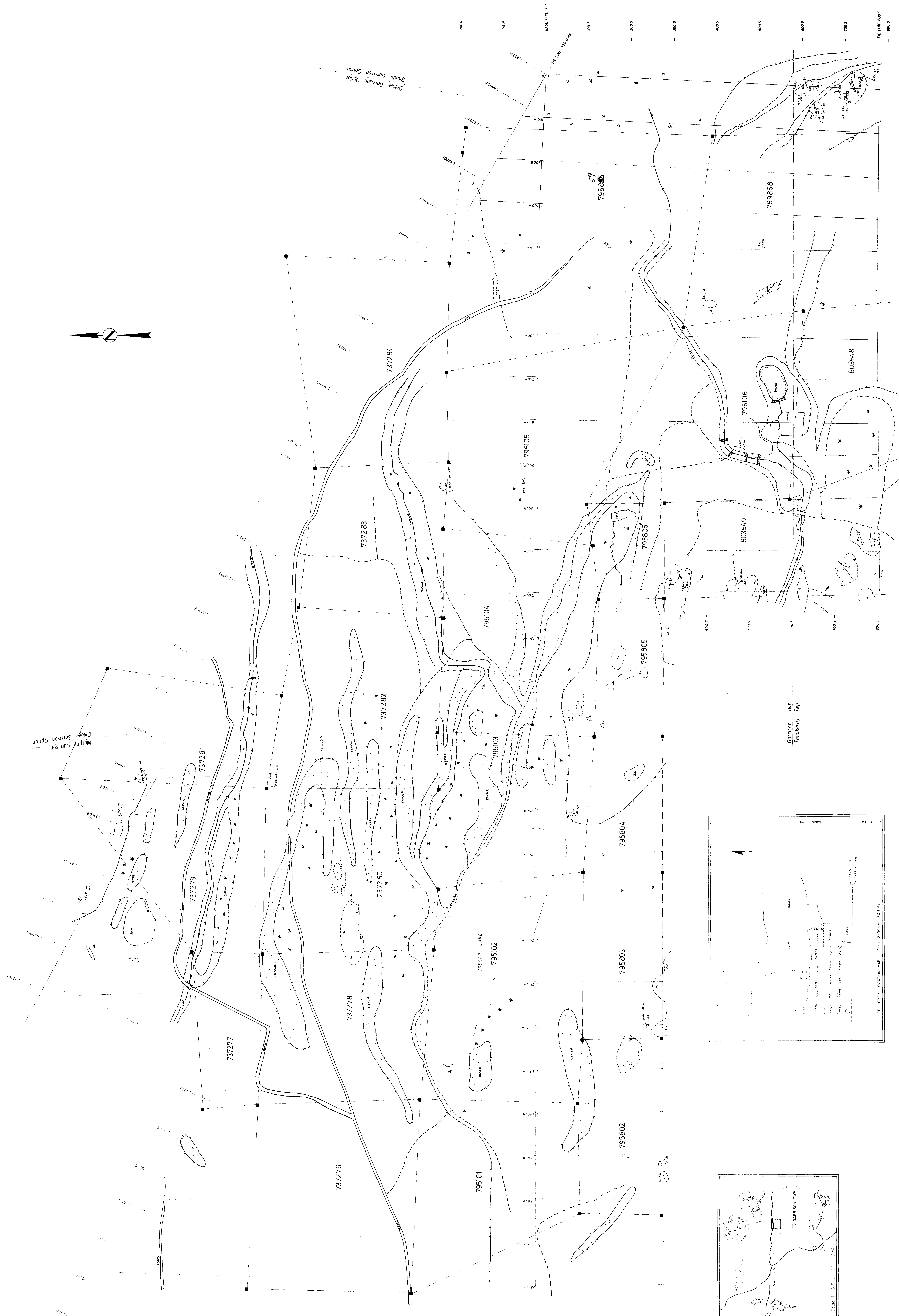
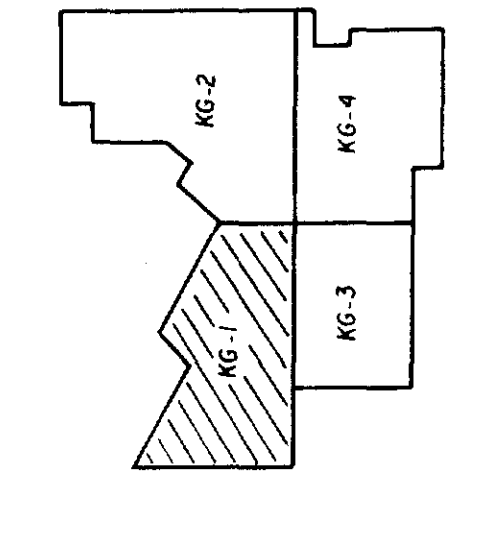


LEGEND

- CLAM LINES
- ALL WEATHER ROAD
- STREAM AND FLOW DIRECTION
- SWAMP
- HIGH GROUND-LOW GROUND BOUNDARY
- OUTCROP BOUNDARY
- TRENCH

ROCK TYPES

- 1 UNBANDAGED GREY TO GREEN MEDIUM-RICH BASALTIC ROCKS
- 2 UNBANDAGED BLACK TO DARK GREEN MEDIUM-RICH BASALTIC ROCKS
- 3 UNBANDAGED LIGHT TO DARK GREEN MEDIUM-RICH BASALTIC ROCKS
- 4 UNBANDAGED DARK TO BLACK GREEN MEDIUM-RICH BASALTIC ROCKS
- 5 UNBANDAGED DARK TO BLACK GREEN MEDIUM-RICH BASALTIC ROCKS
- 6 UNBANDAGED DARK TO BLACK GREEN MEDIUM-RICH BASALTIC ROCKS
- 7 UNBANDAGED DARK TO BLACK GREEN MEDIUM-RICH BASALTIC ROCKS
- 8 UNBANDAGED DARK TO BLACK GREEN MEDIUM-RICH BASALTIC ROCKS
- 9 UNBANDAGED DARK TO BLACK GREEN MEDIUM-RICH BASALTIC ROCKS
- 10 UNBANDAGED DARK TO BLACK GREEN MEDIUM-RICH BASALTIC ROCKS
- 11 UNBANDAGED DARK TO BLACK GREEN MEDIUM-RICH BASALTIC ROCKS
- 12 UNBANDAGED DARK TO BLACK GREEN MEDIUM-RICH BASALTIC ROCKS
- 13 UNBANDAGED DARK TO BLACK GREEN MEDIUM-RICH BASALTIC ROCKS
- 14 UNBANDAGED DARK TO BLACK GREEN MEDIUM-RICH BASALTIC ROCKS
- 15 UNBANDAGED DARK TO BLACK GREEN MEDIUM-RICH BASALTIC ROCKS
- 16 UNBANDAGED DARK TO BLACK GREEN MEDIUM-RICH BASALTIC ROCKS
- 17 UNBANDAGED DARK TO BLACK GREEN MEDIUM-RICH BASALTIC ROCKS
- 18 UNBANDAGED DARK TO BLACK GREEN MEDIUM-RICH BASALTIC ROCKS
- 19 UNBANDAGED DARK TO BLACK GREEN MEDIUM-RICH BASALTIC ROCKS
- 20 UNBANDAGED DARK TO BLACK GREEN MEDIUM-RICH BASALTIC ROCKS
- 21 UNBANDAGED DARK TO BLACK GREEN MEDIUM-RICH BASALTIC ROCKS
- 22 UNBANDAGED DARK TO BLACK GREEN MEDIUM-RICH BASALTIC ROCKS
- 23 UNBANDAGED DARK TO BLACK GREEN MEDIUM-RICH BASALTIC ROCKS
- 24 UNBANDAGED DARK TO BLACK GREEN MEDIUM-RICH BASALTIC ROCKS
- 25 UNBANDAGED DARK TO BLACK GREEN MEDIUM-RICH BASALTIC ROCKS
- 26 UNBANDAGED DARK TO BLACK GREEN MEDIUM-RICH BASALTIC ROCKS
- 27 UNBANDAGED DARK TO BLACK GREEN MEDIUM-RICH BASALTIC ROCKS
- 28 UNBANDAGED DARK TO BLACK GREEN MEDIUM-RICH BASALTIC ROCKS
- 29 UNBANDAGED DARK TO BLACK GREEN MEDIUM-RICH BASALTIC ROCKS
- 30 UNBANDAGED DARK TO BLACK GREEN MEDIUM-RICH BASALTIC ROCKS



-TIE LINE 2000 N-

-TIE LINE 2000 N-

2200 N

2200 N

2000 N

2000 N

2000 N

2000 N

1800 N

1800 N

1600 N

1600 N

1400 N

1400 N

1200 N

1200 N

1000 N

1000 N

800 N

800 N

600 N

600 N

400 N

400 N

200 N

200 N

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0 N

0 N

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0 N

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0 N

0 N

0 N

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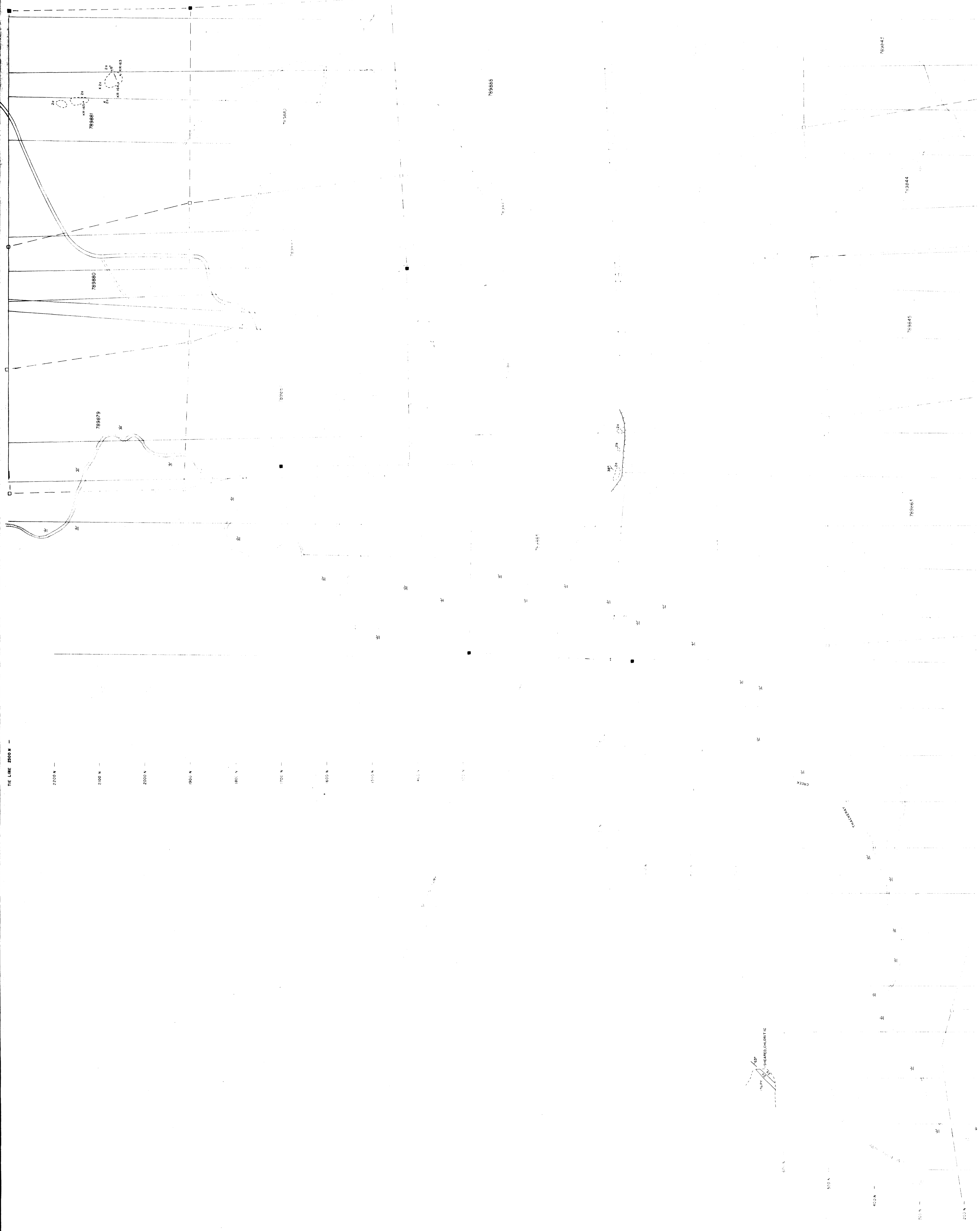
0 N

0 N

0 N

0 N

0 N



- LEGEND
- CLAM LINES.....
 - CLAM POST.....
 - CONTOUR.....
 - SECONDARY ROAD OR TRAIL.....
 - CRACK.....
 - LOW.....
 - HIGH.....
 - HIGH-GROUND LOW-GROUND BOUNDARY.....
 - ROCK BOUNDARY.....
 - TRENCH.....
- ROCK TYPES
- 1 UNBLENDED GREY TO GREEN MAGNESIUM-RICH BASALTIC ROCKS
 - 2 MASSIVE FINE-GRAINED FLOWS
 - 3 UNBLENDED BLACK TO DARK GREEN IRON-RICH BASALTIC AND ANSITIC ROCKS
 - 4 UNBLENDED FLOWS
 - 5 FLOW-TOP AND FLOW-BRECCIA

GREEN GRANITE

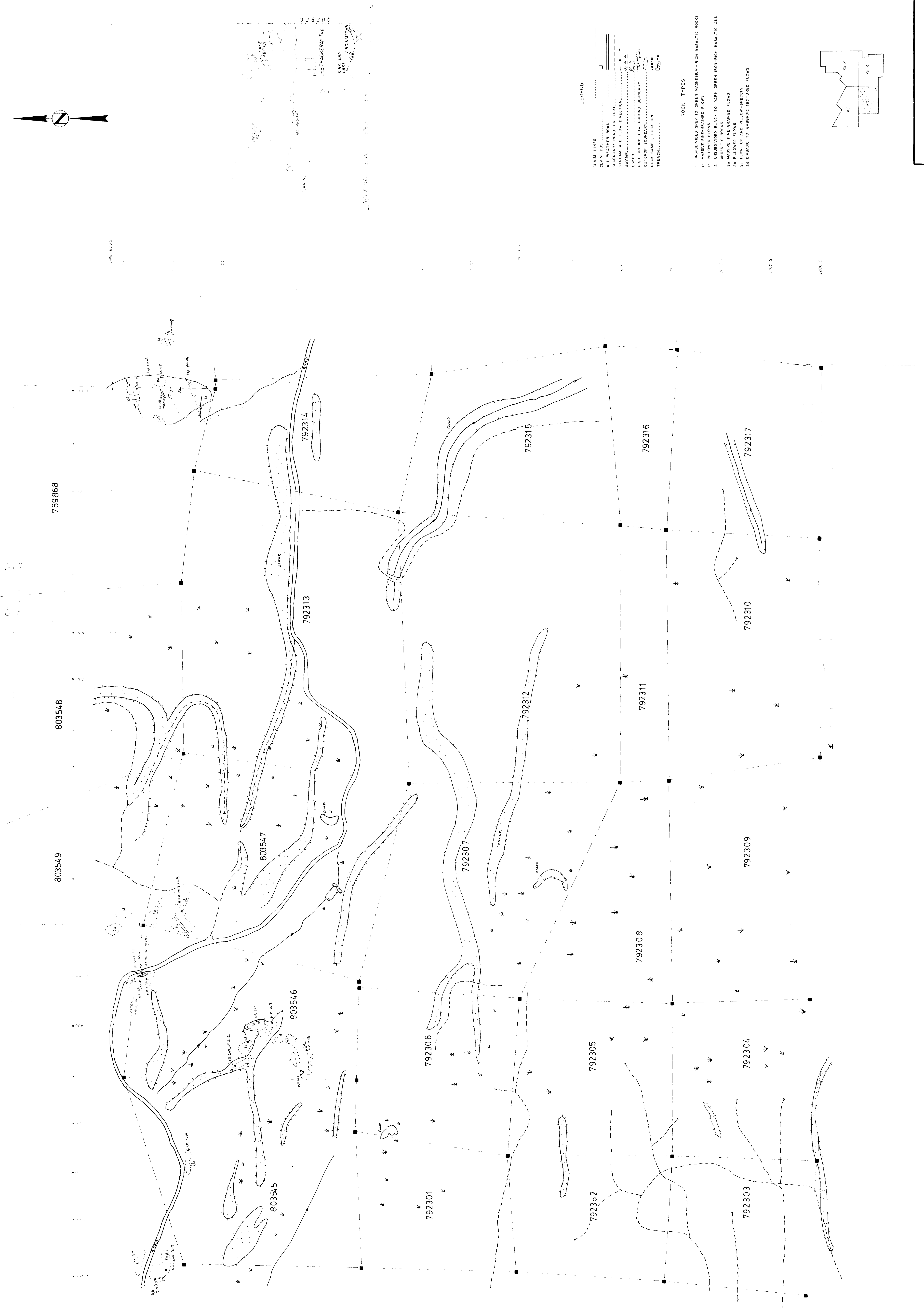
600 N

400 N

200 N

0 N

0 N

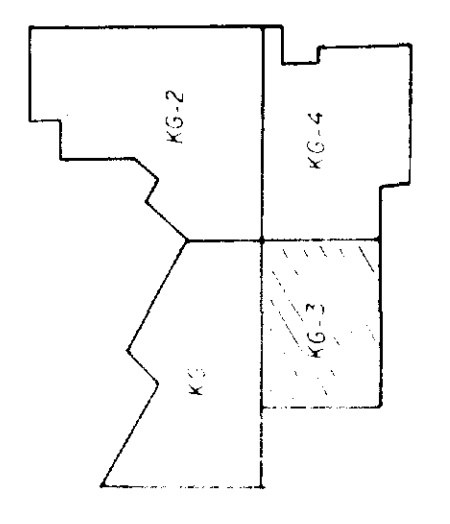


LEGEND

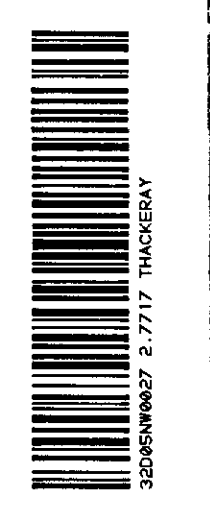
CLAIM LINE
 CLAIM POST
 ALL WEATHER ROAD
 SECONDARY ROAD OR TRAIL
 SWAMP
 LAKE
 WATER
 OUTCROP BOUNDARY
 ROCK SAMPLE LOCATION
 TRENCH

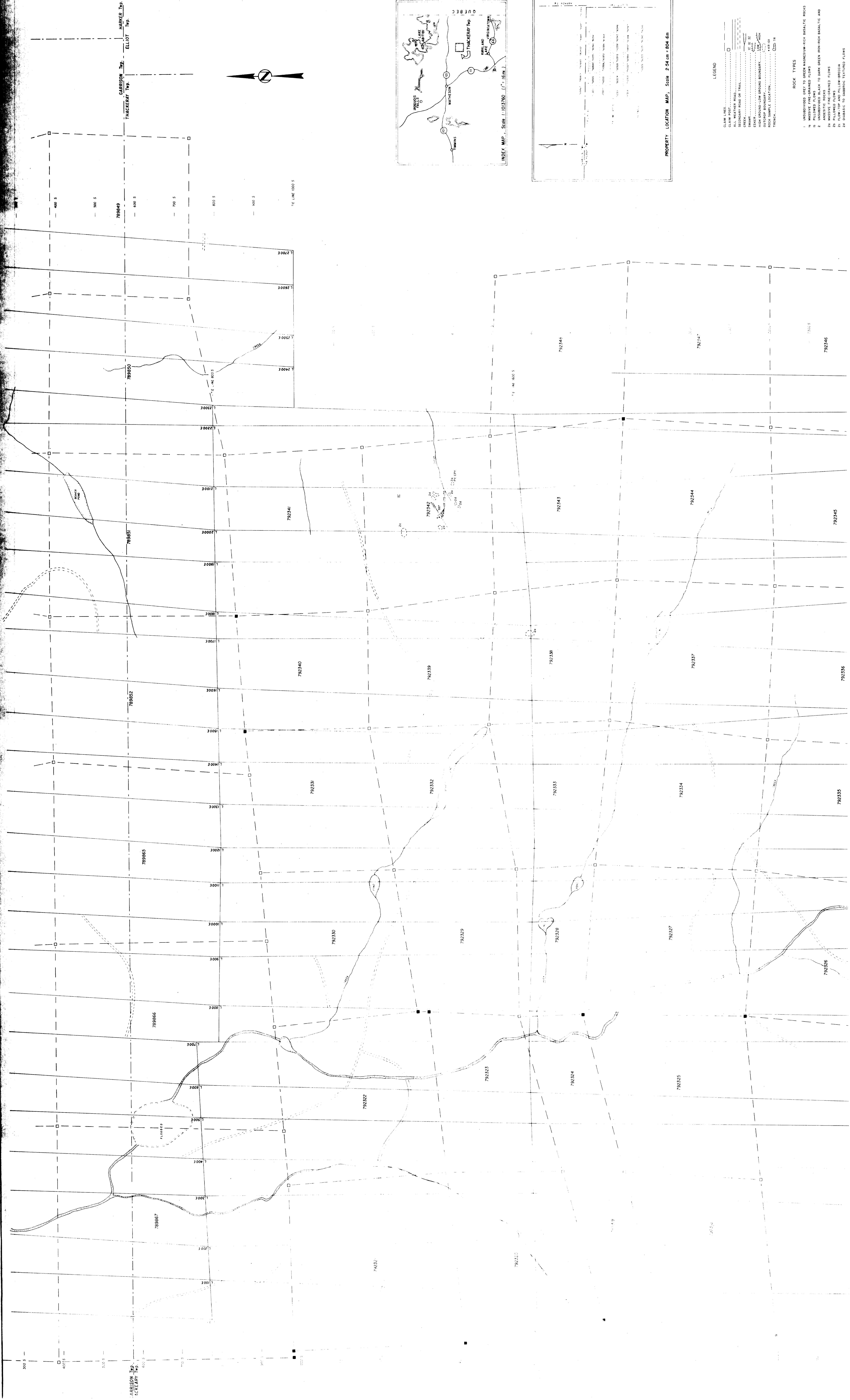
ROCK TYPES

UNSUBSIDIZED GRAY TO GREEN MEDIUM-RICH BASALTIC ROCKS
 MASSIVE FINE-GRAINED FLOWS
 FLOWED FLOWS LACK TO DARK GREEN HIGH-RICH BASALTIC AND ANDESITIC ROCKS
 MASSIVE FINE-GRAINED FLOWS
 FLOWED FLOWS
 FLOWED FLOWS
 DAMAGED TO GABBROIC TEXTURED FLOWS



KERR ADDISON MINES LIMITED
 KERR — GARRISON — CLAIMS '0-30'
 THACKERAY TOWNSHIP ONTARIO
 MAP KG-3
 GEOLOGY





GARRISON Twp. THACKERAY Twp. HARKER Twp. ELLIOT Twp.

788849

788850

788851

788852

788853

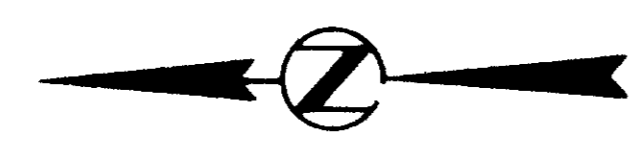
788854

788855

788856

788857

788858



1:10000 S

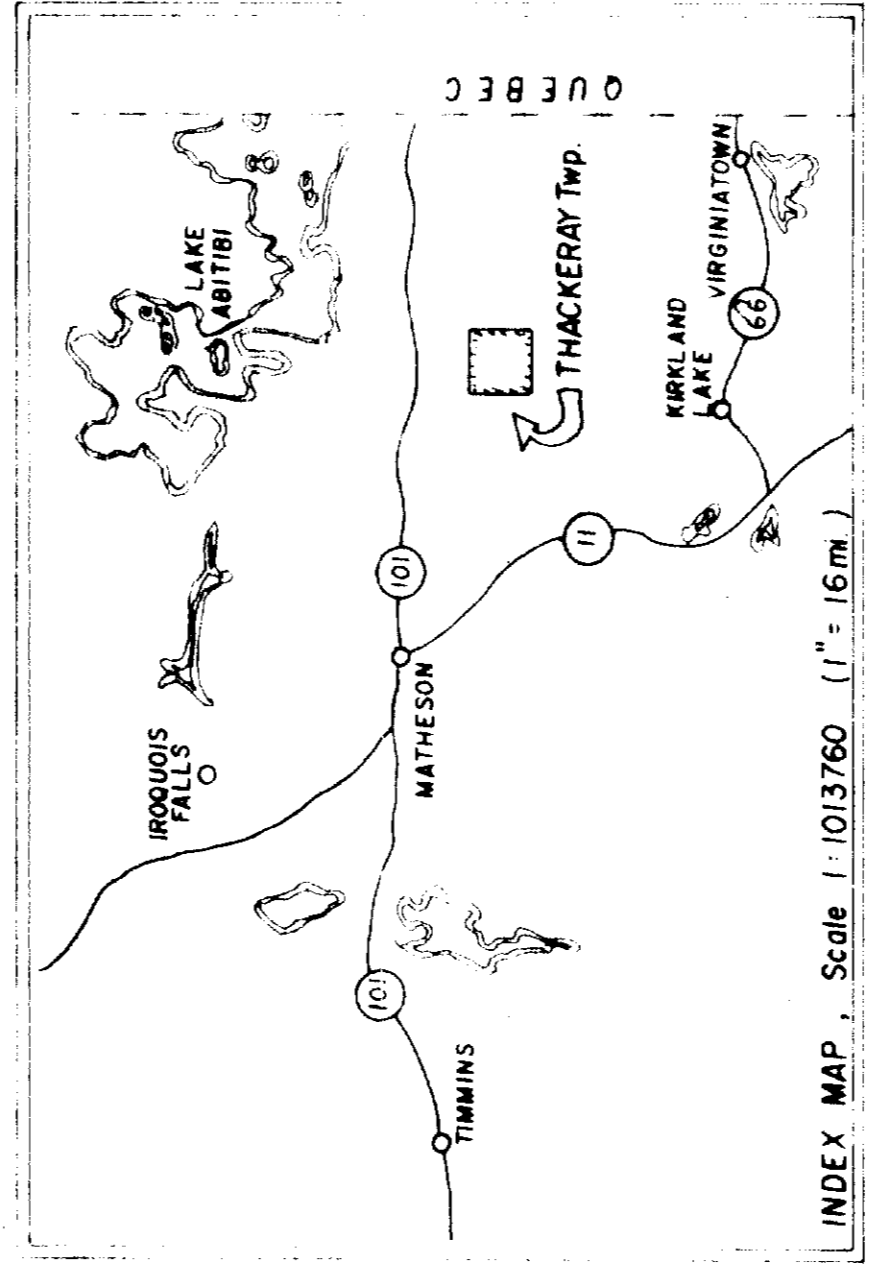
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1:10000 S

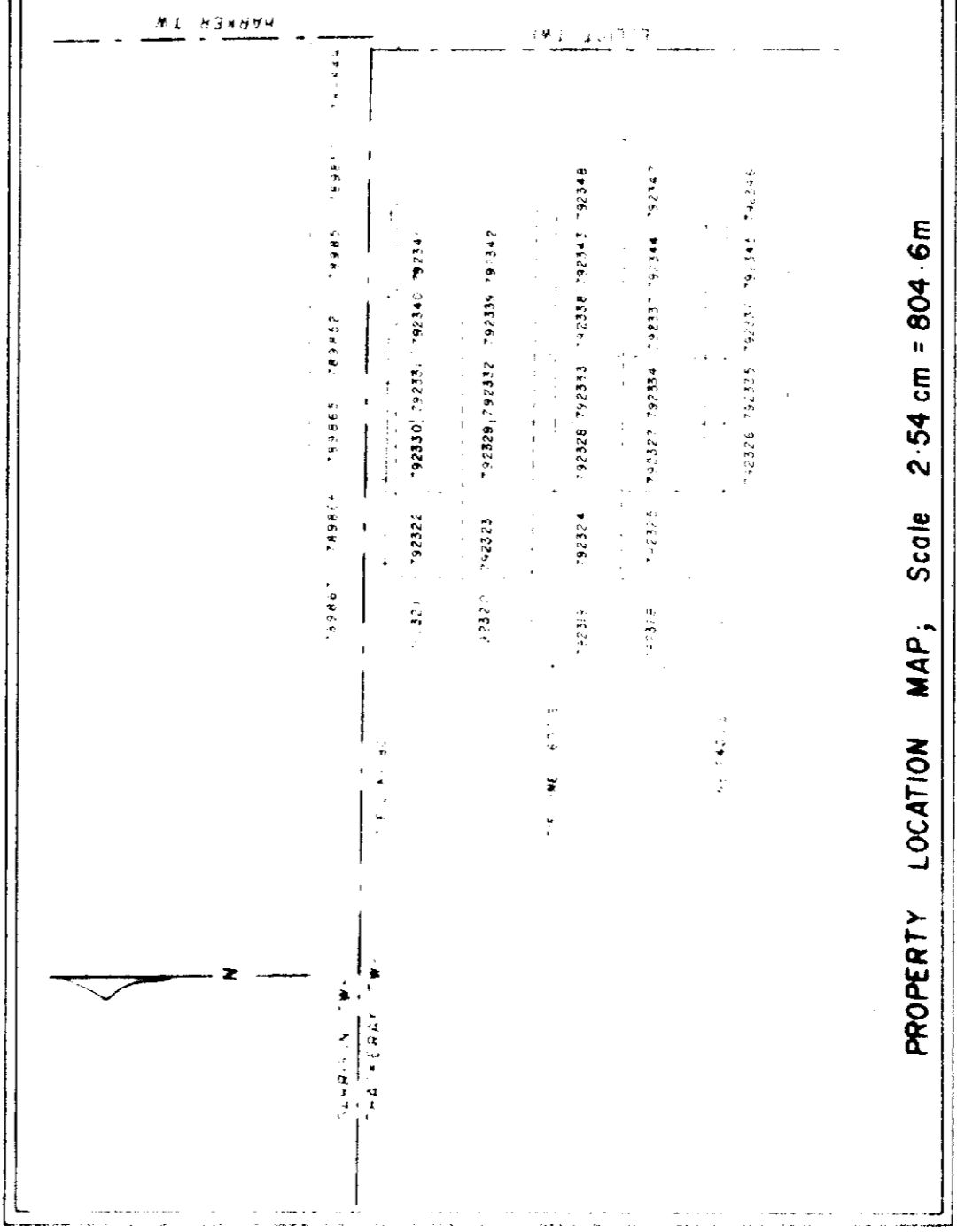
1:10000 S

1:10000 S

1:10000 S



INDEX MAP Scale 1:100,000 (1" = 16 km.)



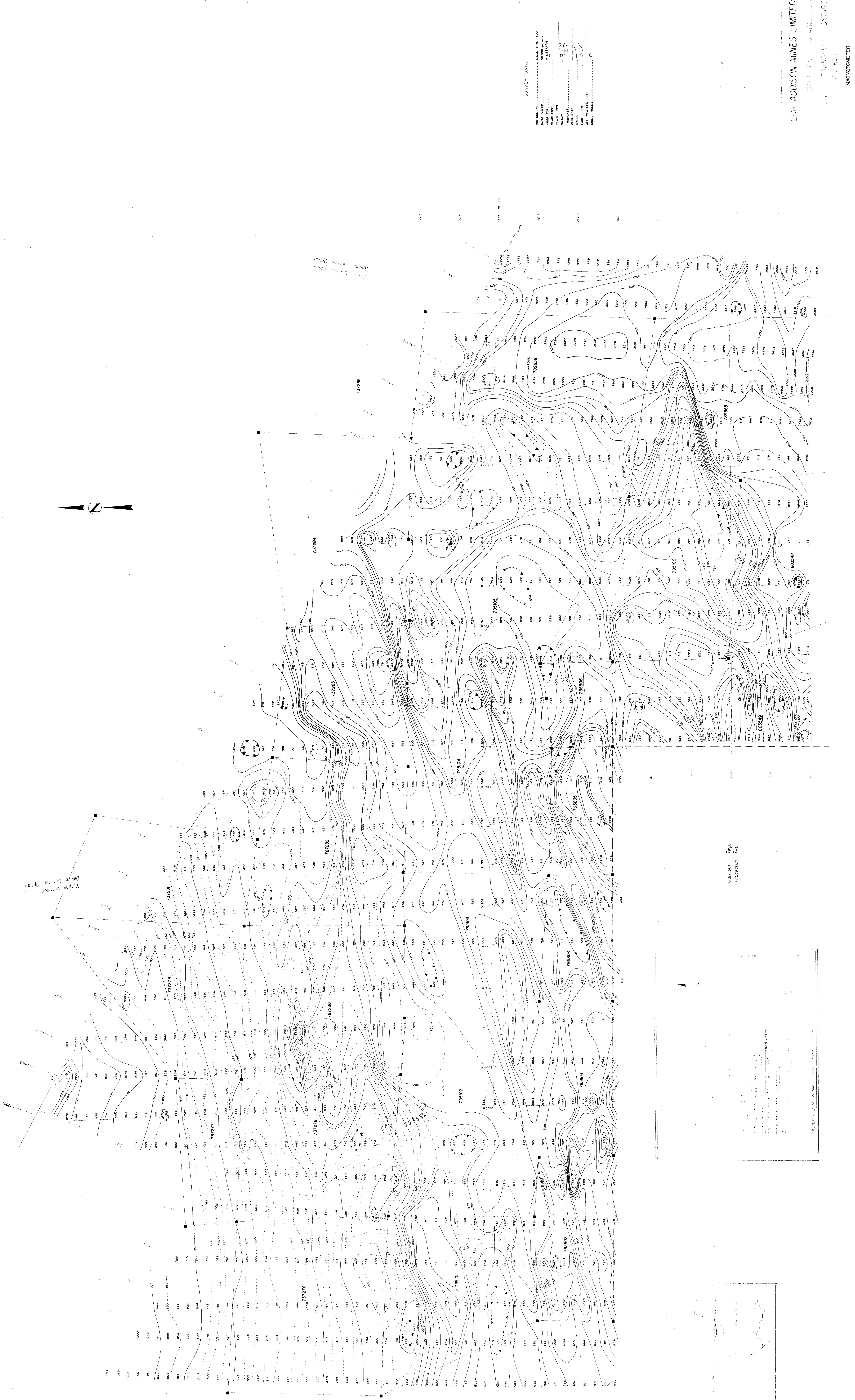
PROPERTY LOCATION MAP Scale 2.54 cm = 804.6 m

LEGEND

- CLAIM LINES: - - - - -
- ALL WEATHER ROADS: ———
- ROADS: ———
- CREEKS: ———
- SHADE: ———
- HIGH GROUND-LOW GROUND BOUNDARY: ———
- OUTCROP BOUNDARY: ———
- TRENCH: ———

ROCK TYPES

- 1 UNDISPERSED GREY TO GREEN MEDIUM-HIGH BASALTIC ROCKS
- 2 MASSIVE FINE-GRAINED FLOWS
- 3 UNDISPERSED DARK TO DARK GREEN MEDIUM-HIGH BASALTIC AND
- 4 MASSIVE FINE-GRAINED FLOWS
- 5 FLOW-TOP AND FLOW-NECK
- 6 MASSIVE FINE-GRAINED FLOWS
- 7 FLOW-TOP AND FLOW-NECK
- 8 DISPERSED TO GRANULAR TEXTURED FLOWS



SURVEY DATA

INSTRUMENT: S.E.A. 7PM-100
 OPERATOR: J. W. H. H. H. H. H.
 CLAIM POST: A SEPARATE
 SWAMP LINE: A SEPARATE
 FENCE: A SEPARATE
 LAKE SHORE: A SEPARATE
 DRILL HOLES: A SEPARATE

GARRETTON TRACKWAY TWP

MURPHY GARRISON OPTION

ADDISON MINES LIMITED

1000
 1500
 2000
 2500

2000
 1500
 1000

-E LINE 2000 M

-E LINE 2000 M

-2200 N

2200 N

-2100 N

2100 N

-2000 N

2000 N

-1900 N

1900 N

-1800 N

1800 N

-1700 N

1700 N

-1600 N

1600 N

-1500 N

1500 N

-1400 N

1400 N

-1300 N

1300 N

-1200 N

1200 N

-1100 N

1100 N

-1000 N

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-900 N

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-800 N

800 N

-700 N

700 N

-600 N

600 N

-500 N

500 N

-400 N

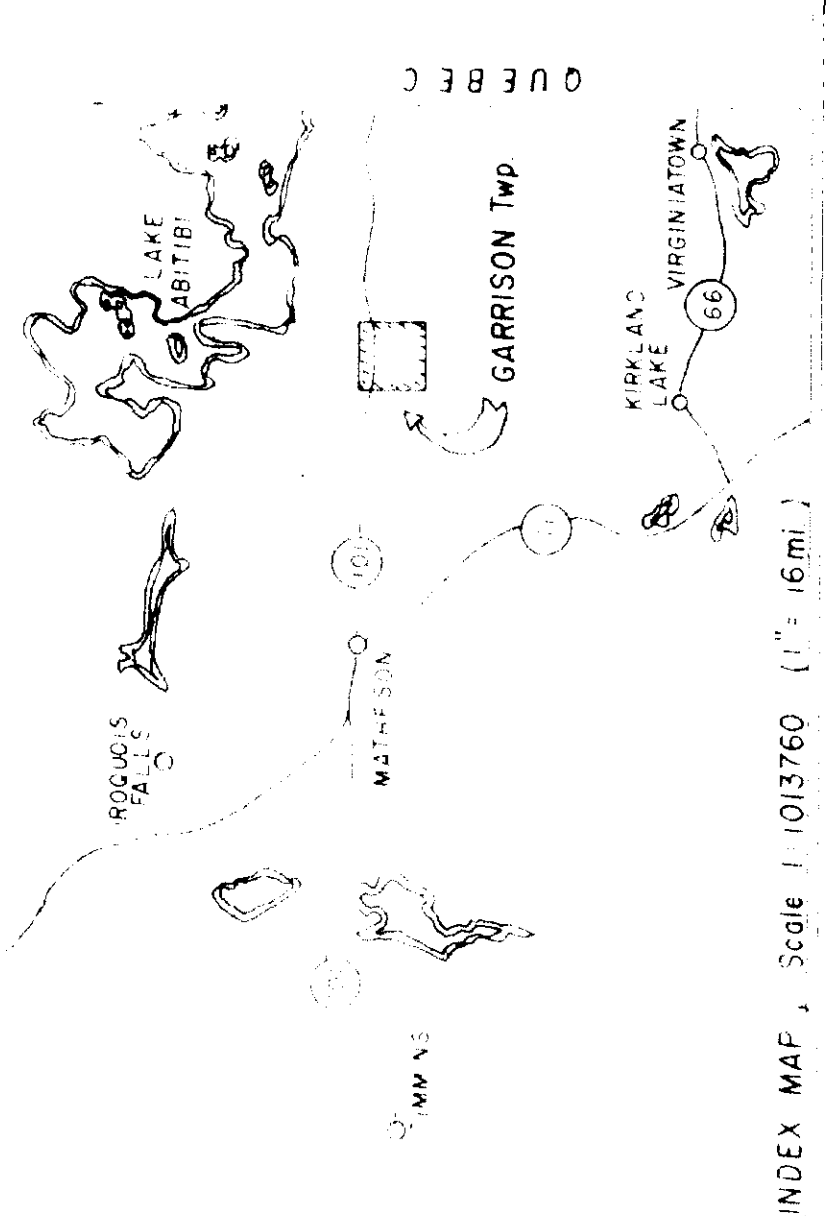
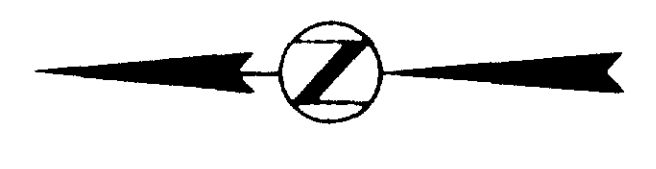
400 N

-300 N

300 N

-200 N

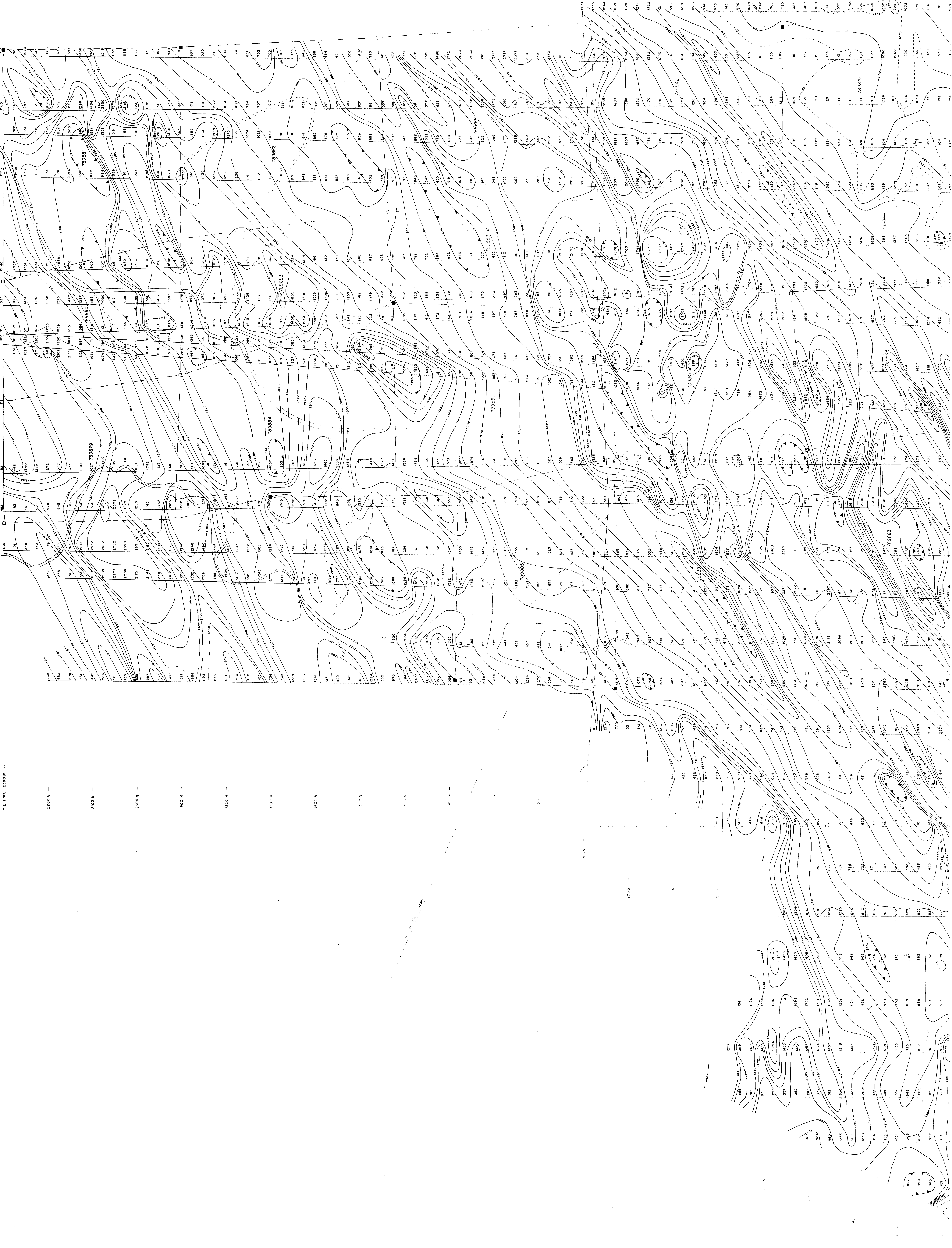
200 N

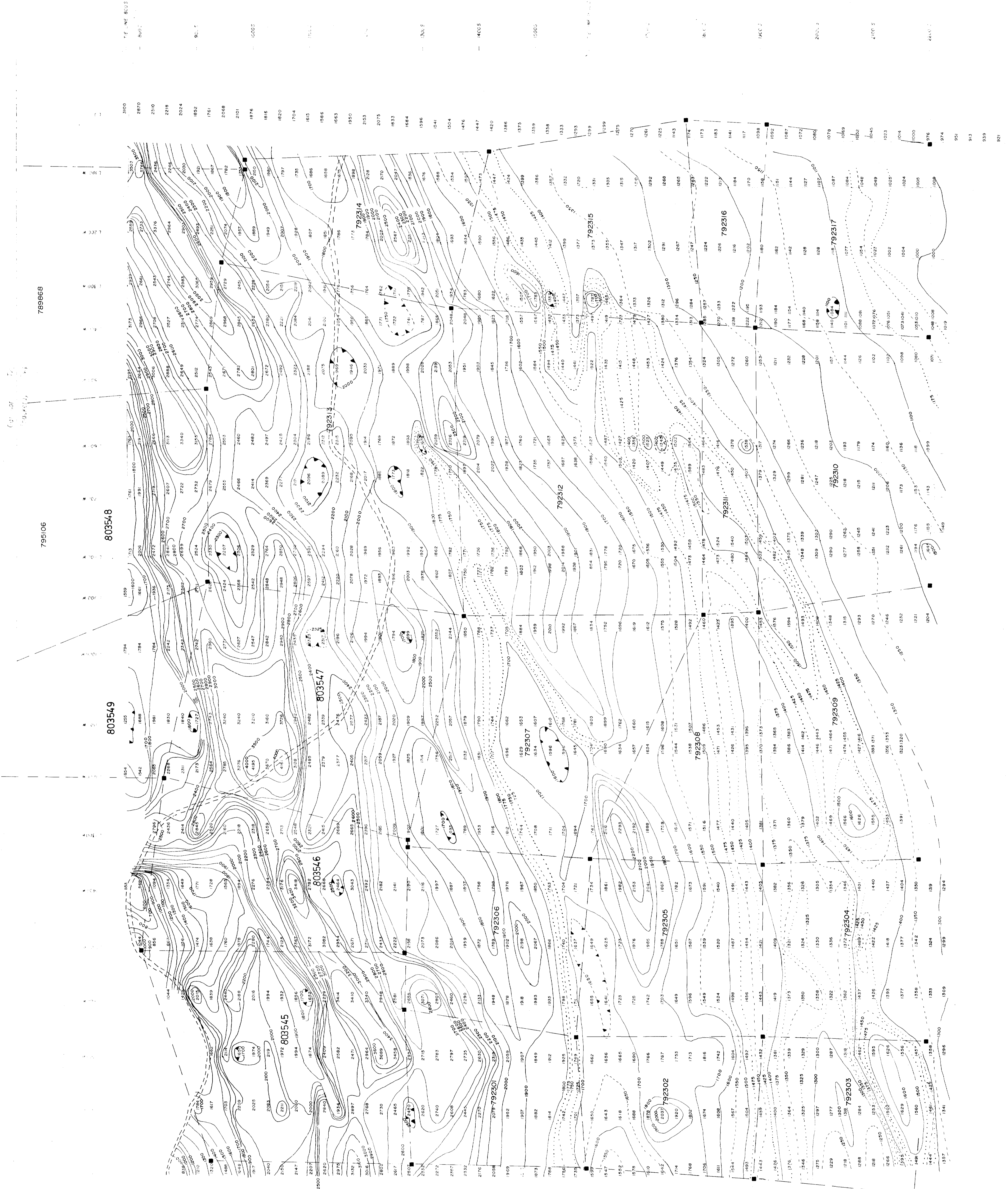


INSET MAP, SCALE 1:101760 (1"=16mi.)

PROPERTY LOCATION MAP, SCALE 2.54 cm = 804.6m

- SURVEY DATA
- INSTRUMENT..... E.C.M. P.M.M. 200
 - OPERATOR..... J. G. GARRISON
 - CONTROLLING INTERVAL..... 500 METERS
 - CLAM LINES.....
 - SWAMP.....
 - ROCK ROAD.....
 - CREEK.....
 - ALL WEATHER ROAD.....
 - DRILL HOLES.....

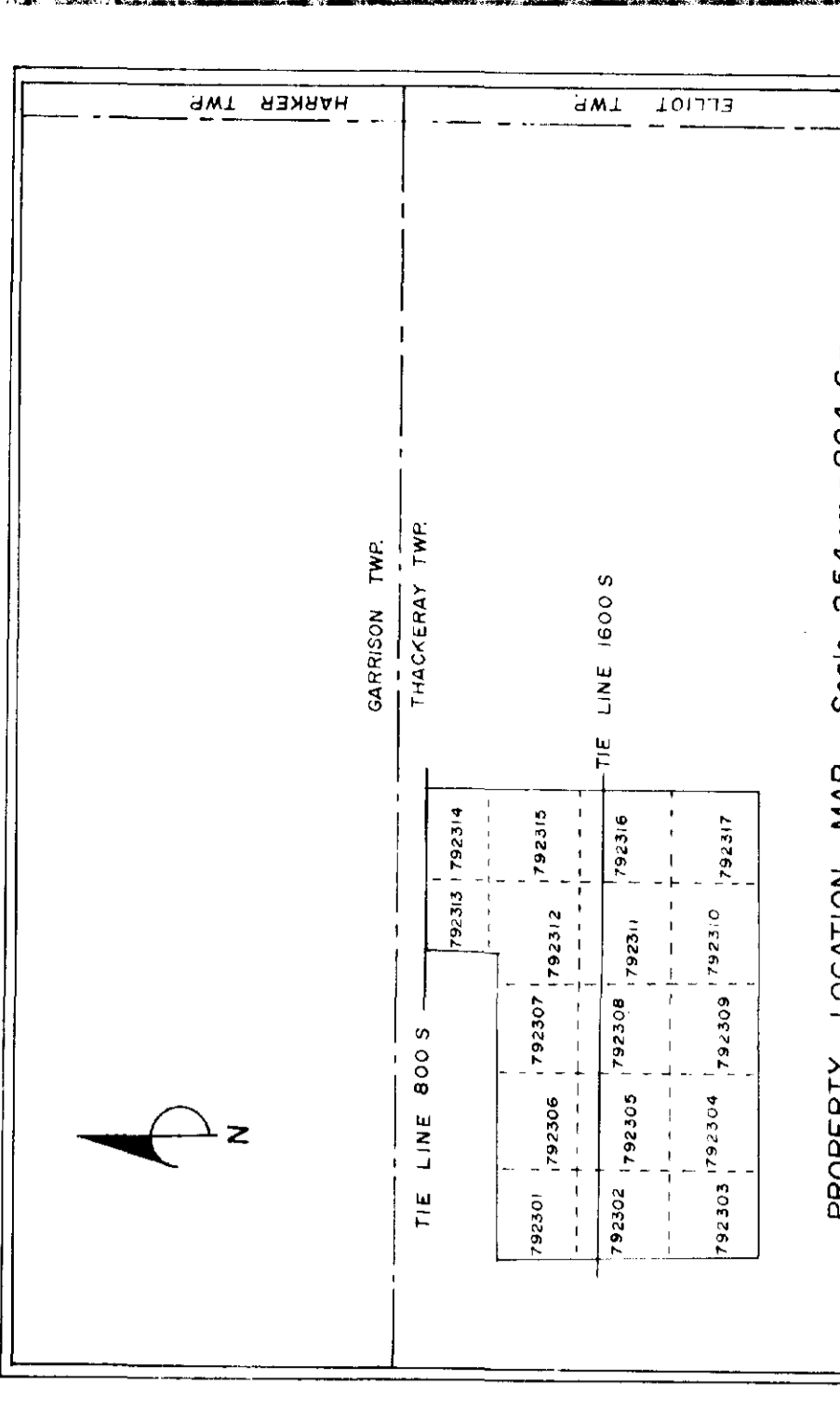
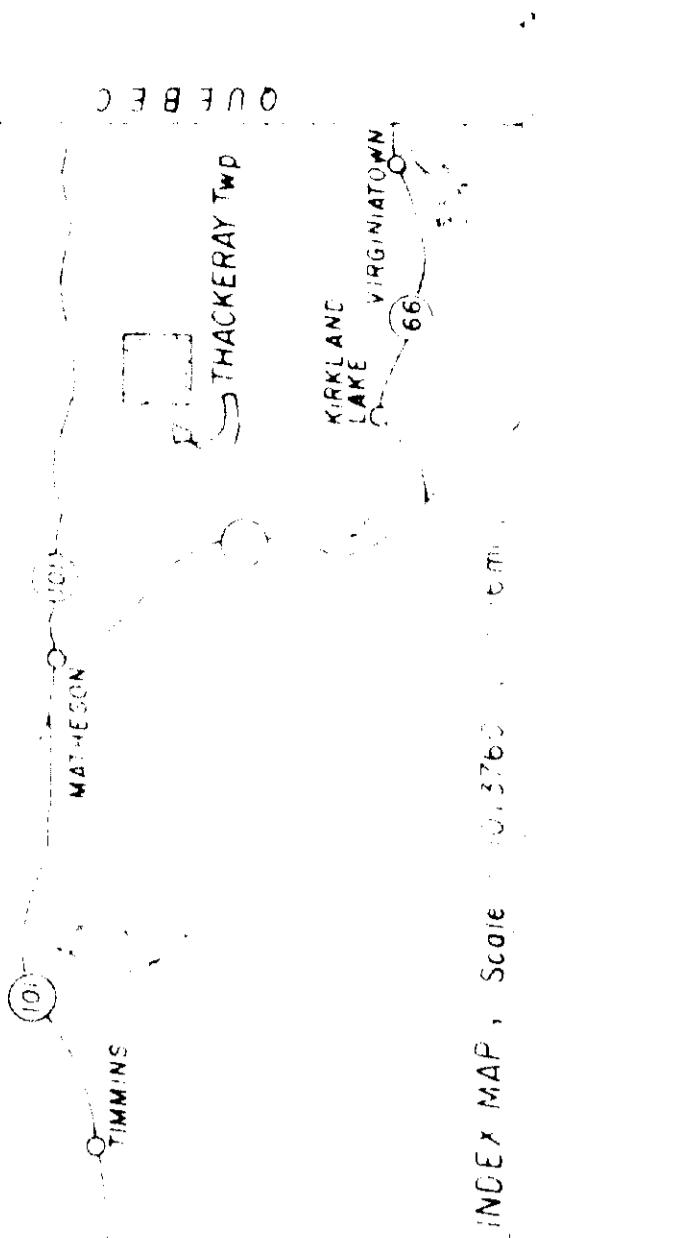




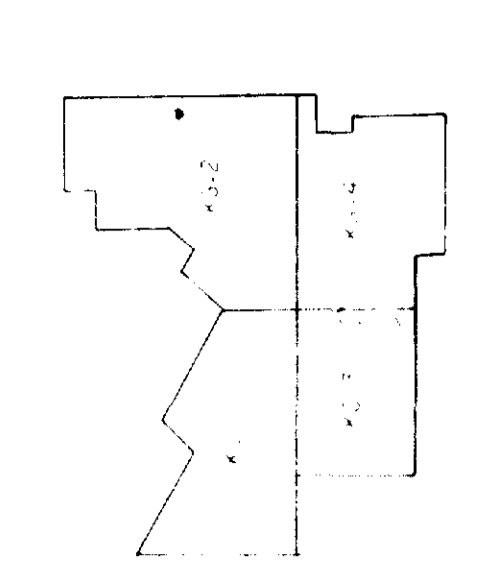
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803548
789868

803547
803546
803545

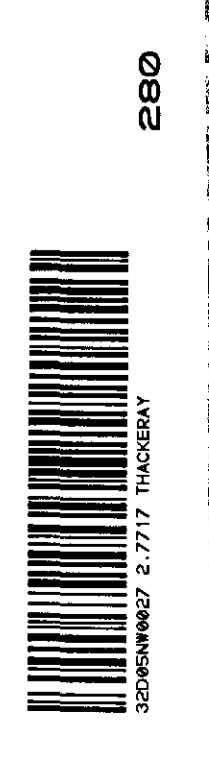
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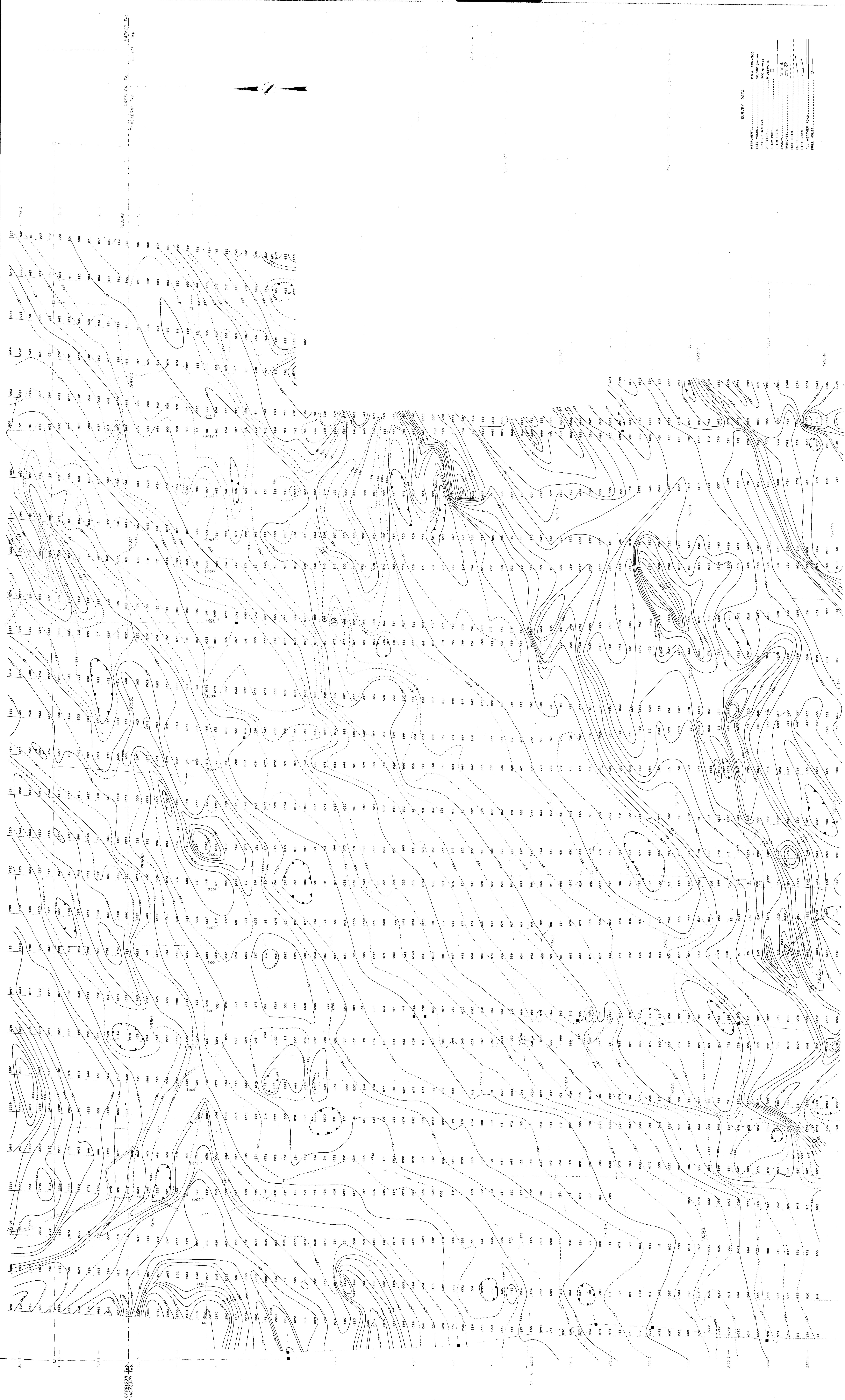


- SURVEY DATA**
- INTRUMENT..... EIA PPM 300
 - BASE VALUE..... 98,000 MIMM
 - CONTOUR INTERVAL..... 500 MIMM
 - CLAM POST.....
 - CLAM LINES.....
 - FENCES.....
 - RUSH ROAD.....
 - CHECK POINT.....
 - ALL WEATHER ROAD.....
 - DRAW HOLES.....



KERR ADDISON MINES LIMITED
 KERR — GARRISON — CLAIMS 0-30"
 THACKERAY TOWNSHIP ONTARIO
 MAP KG-3
 MAGNETOMETER





SURVEY DATA

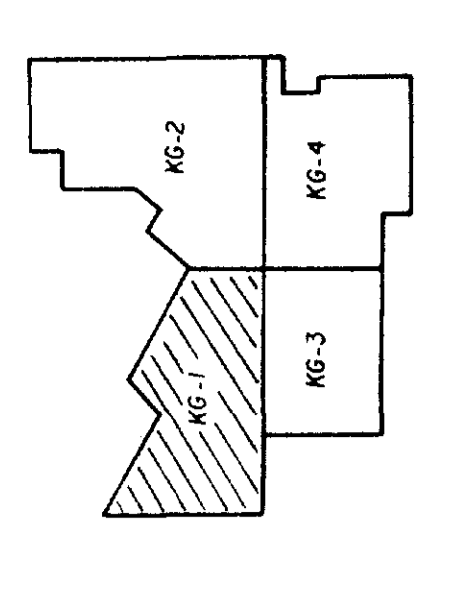
ED. A. P. M. 100
CONTOUR INTERVAL 100
OPERATION 100
CLAM LINE
TRAMP
CREEK
LAKE SHORE
PILL HOLE

1000
900
800
700
600
500
400
300
200
100

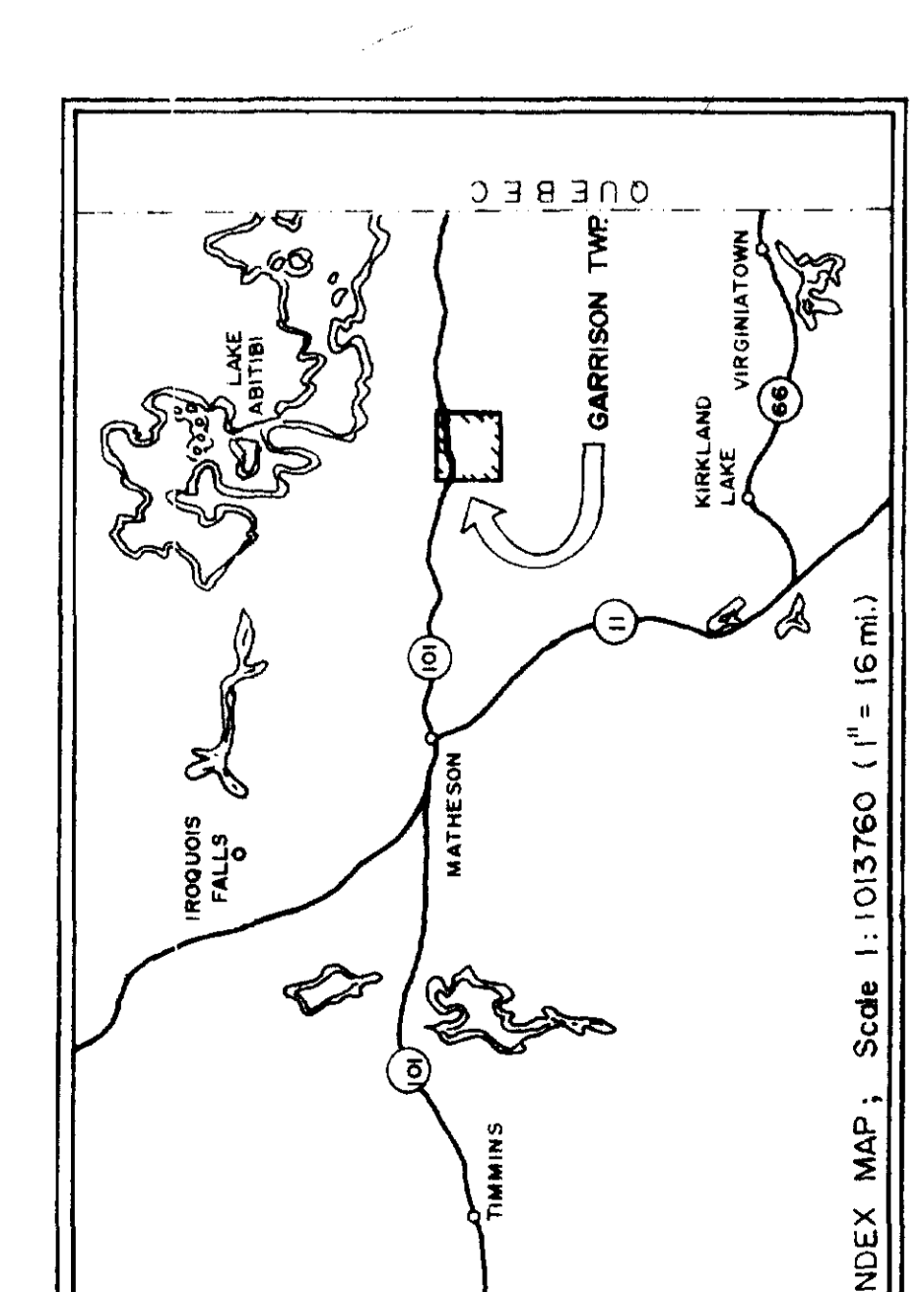
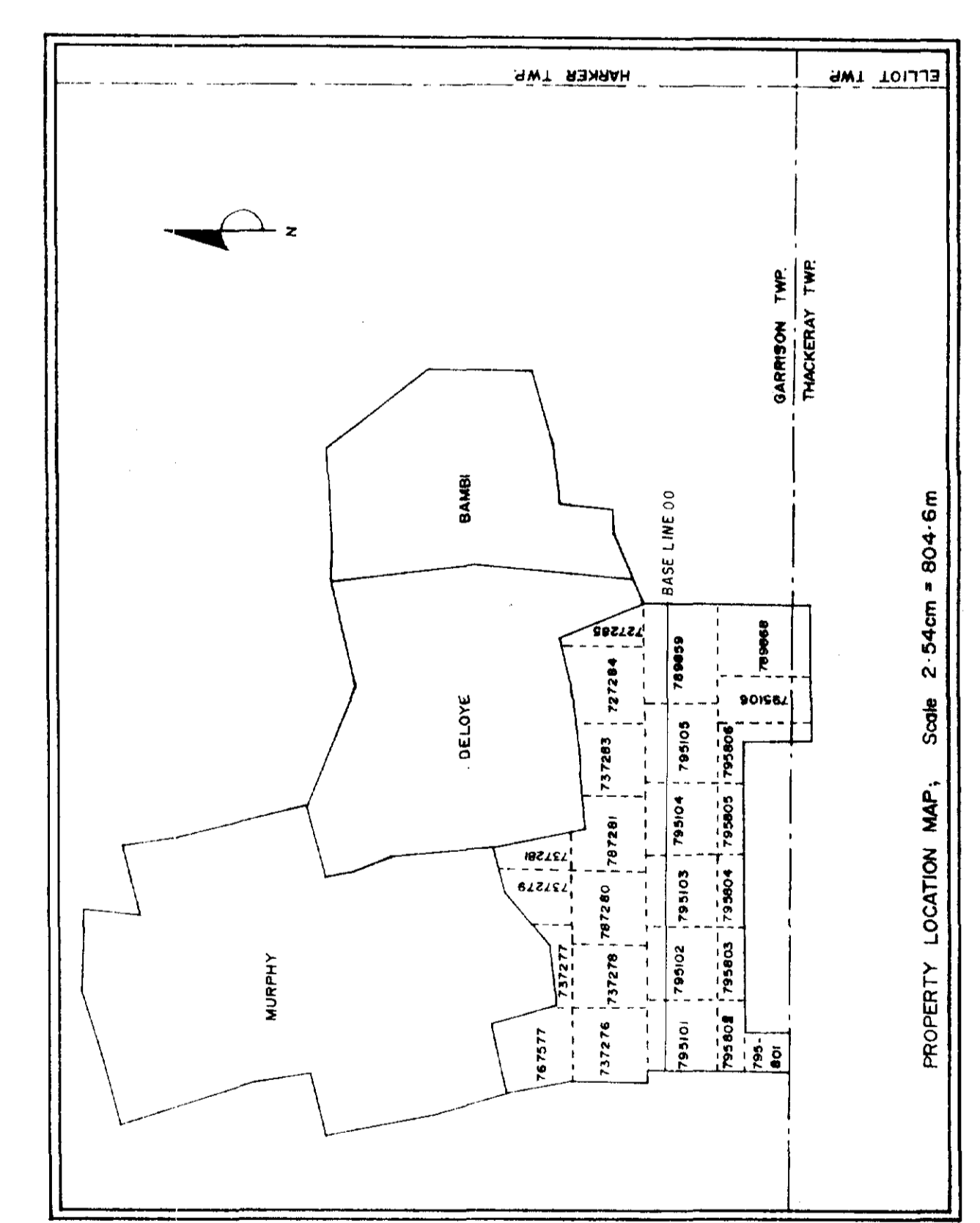
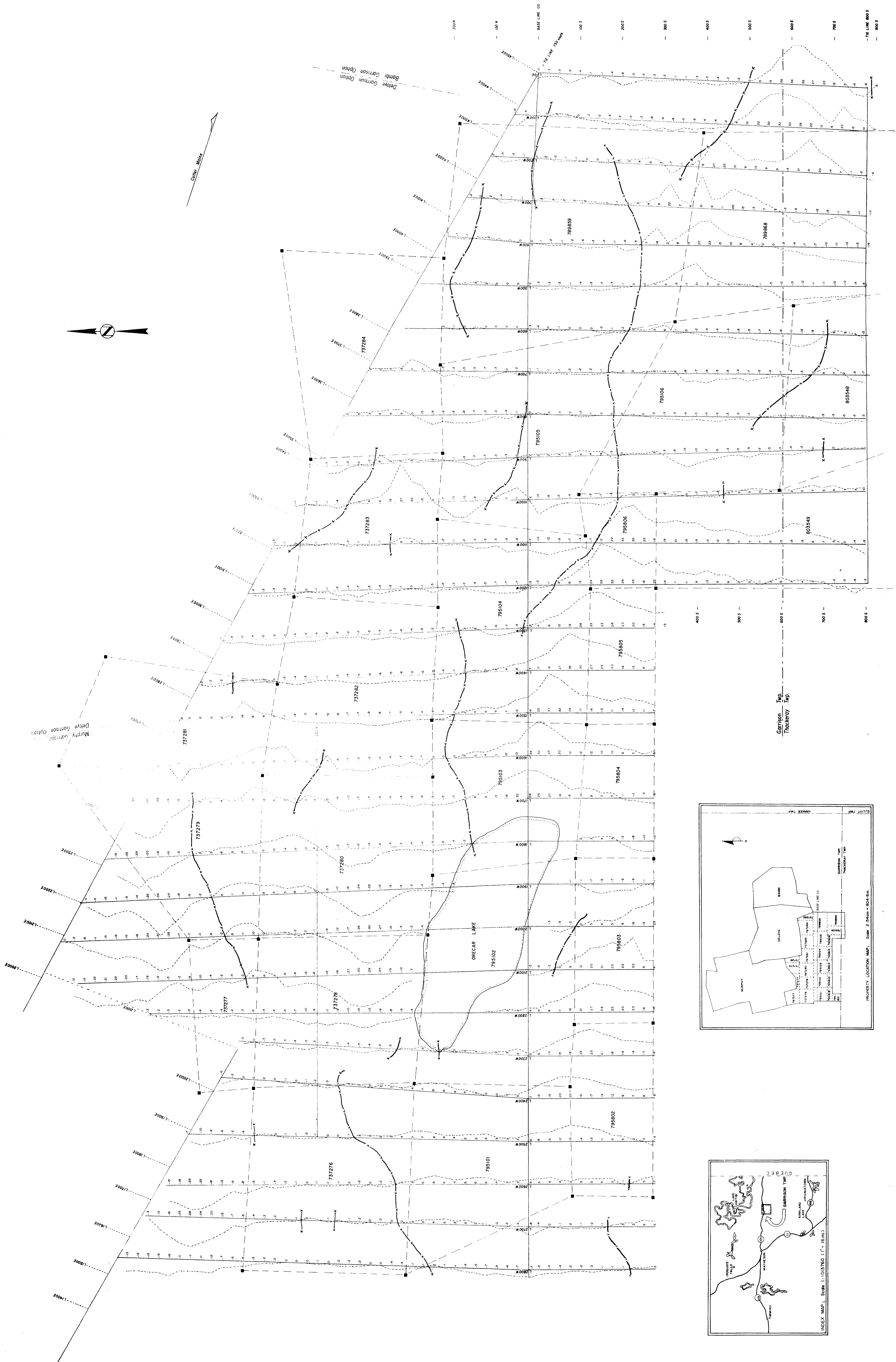
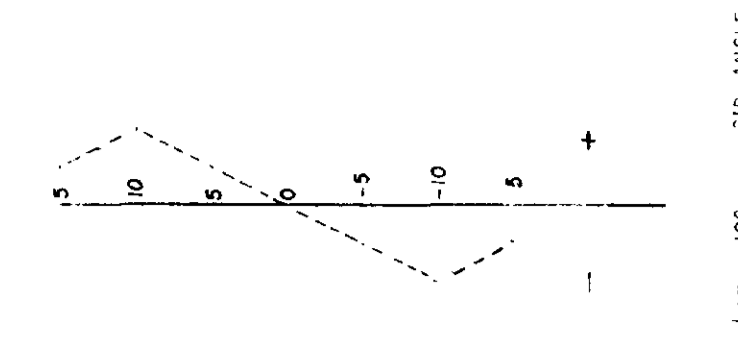
1000
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700
600
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400
300
200
100

1000
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600
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200
100

1000
900
800
700
600
500
400
300
200
100

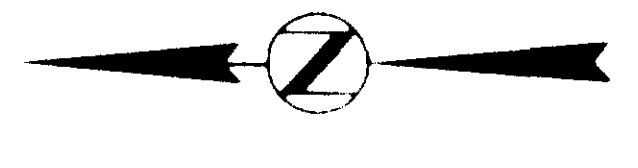


SURVEY DATA
 INSTRUMENTS: CHRYSE, HANSON, V.L.F.
 TRANSMITTER STATION: GARRISON, MAINE
 CONDUCTOR: A.S.E.
 CLAIM POSTS: 1/4 SECTION CORNERS, QUARTER CORNERS, SECTION CORNERS
 CLAIM LINES: 1/4 SECTION LINES, QUARTER SECTION LINES, SECTION LINES
 TRENCHES: 1/4 SECTION TRENCHES, QUARTER SECTION TRENCHES, SECTION TRENCHES
 HIGH ROAD: 1/4 SECTION HIGH ROAD, QUARTER SECTION HIGH ROAD, SECTION HIGH ROAD
 LAKE SHORE: 1/4 SECTION LAKE SHORE, QUARTER SECTION LAKE SHORE, SECTION LAKE SHORE
 ALL WEATHER ROADS: 1/4 SECTION ALL WEATHER ROADS, QUARTER SECTION ALL WEATHER ROADS, SECTION ALL WEATHER ROADS
 SHILL UNCLER: 1/4 SECTION SHILL UNCLER, QUARTER SECTION SHILL UNCLER, SECTION SHILL UNCLER



—TIE LINE 2300N

—2200 N
—2100 N
—2000 N
—1900 N
—1800 N
—1700 N
—1600 N
—1500 N

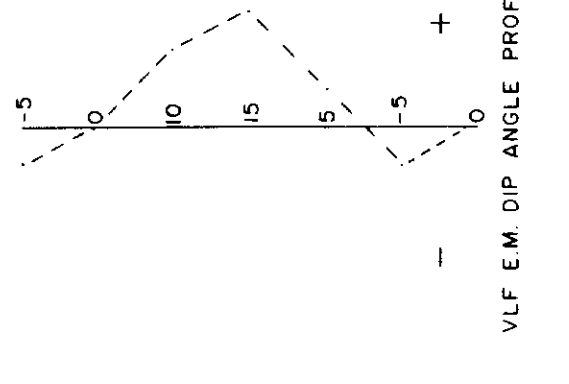


SHIPLEY MINE

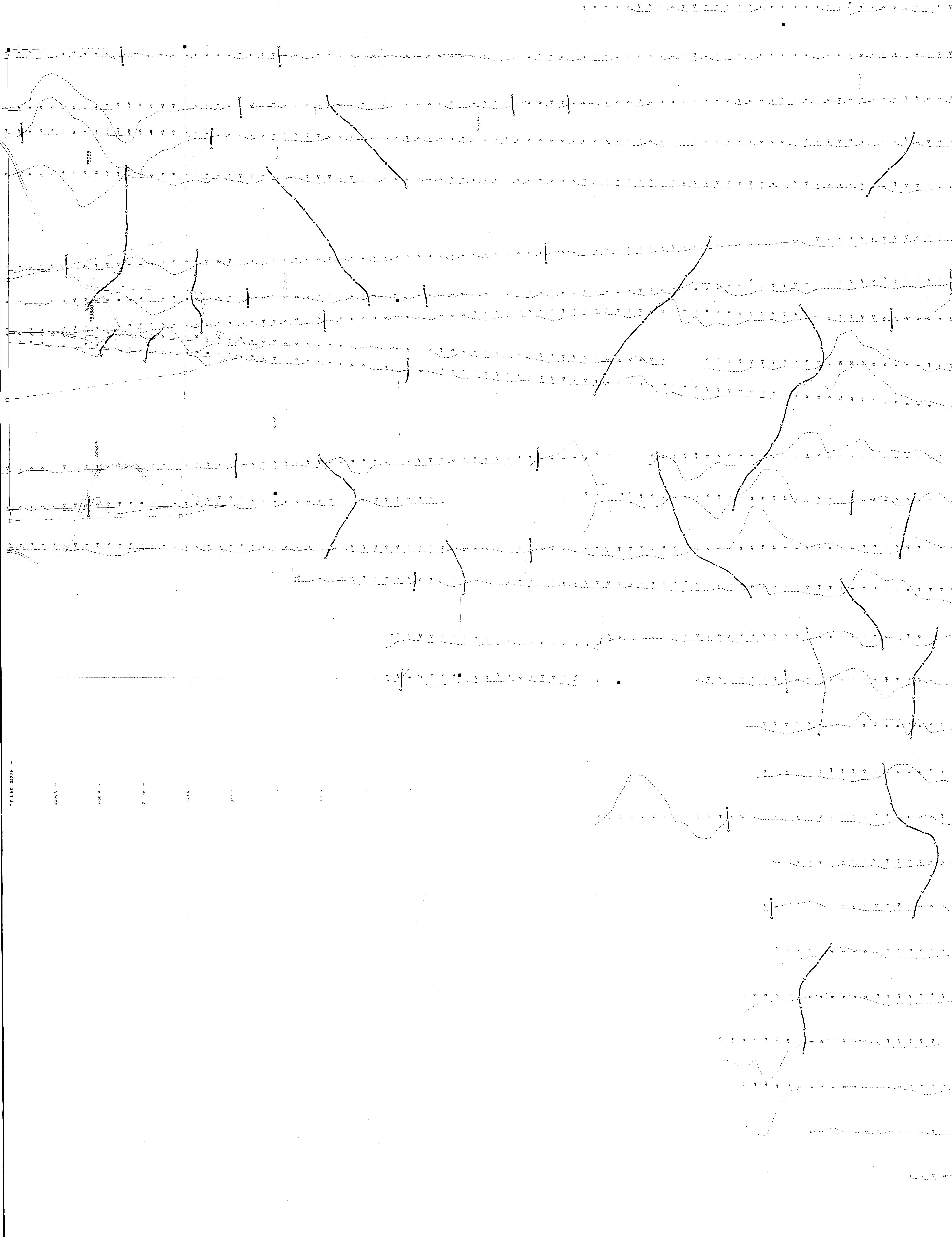
1-100

JULY 1951

RECEIVED AT STATION W.P.O. 5016 1/16/51 804 8-

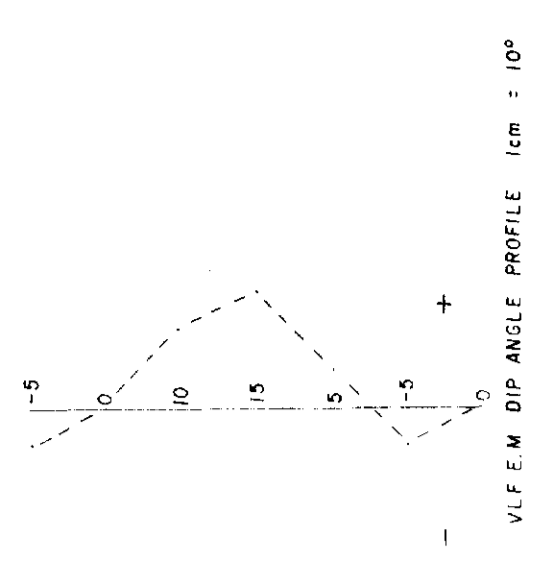
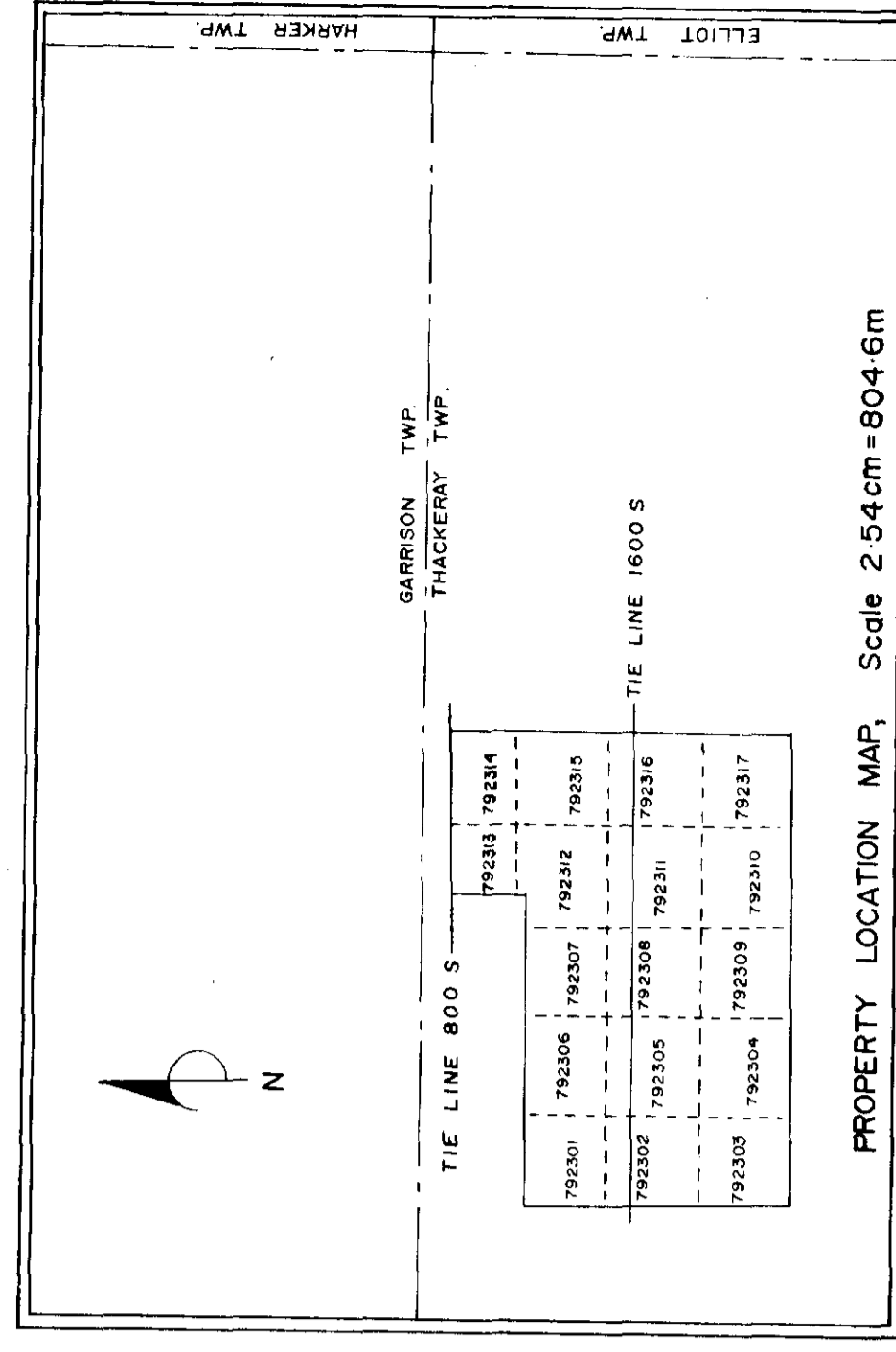
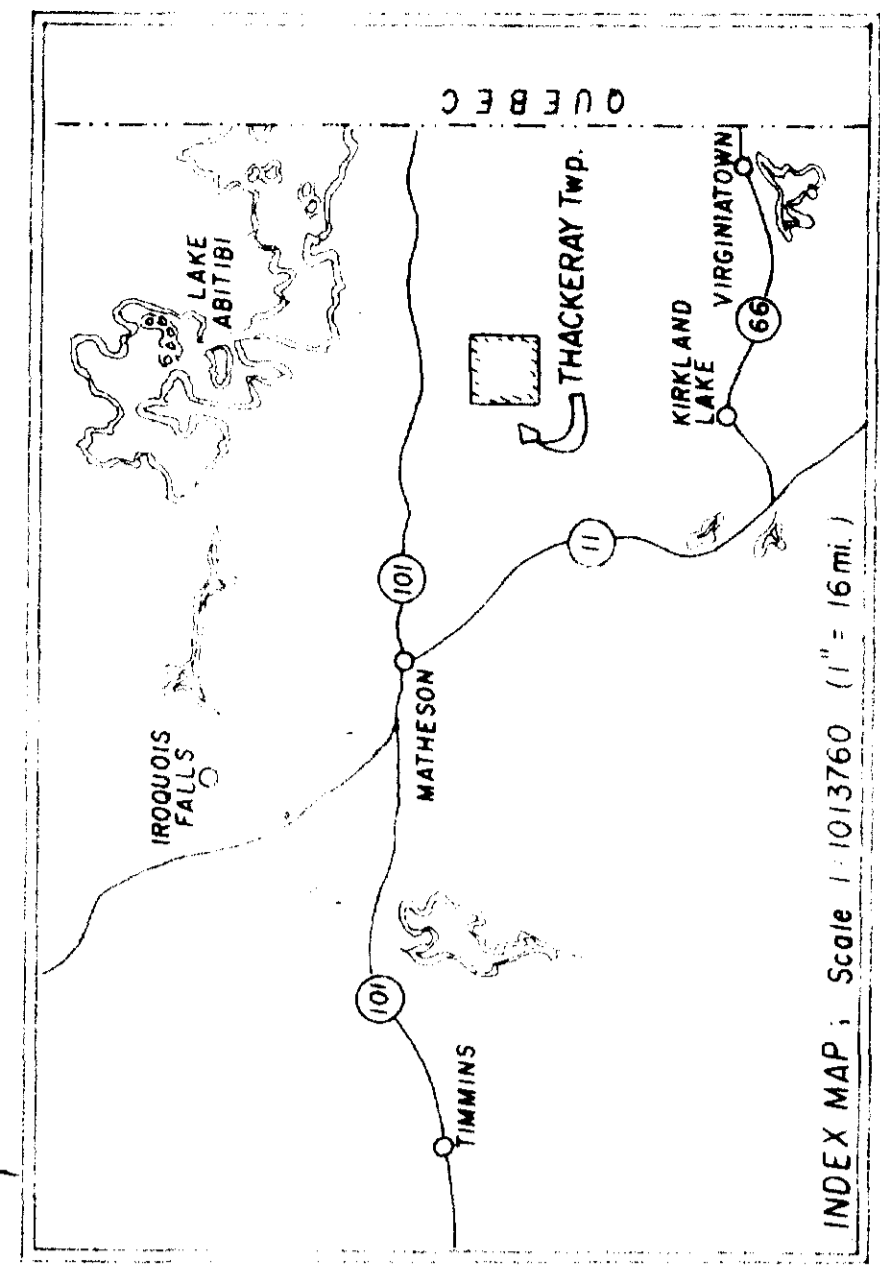


- SURVEY DATA
- INSTRUMENT:..... CONE ROAM
 - METHOD:..... DIP ANGLE
 - CONDUCTOR:.....
 - CLAM POST:.....
 - CLAM LINES:.....
 - TRENCHES:.....
 - HIGH ROAD:.....
 - LAKE SHORE:.....
 - ALL WEATHER ROAD:.....
 - DRILL HOLES:.....

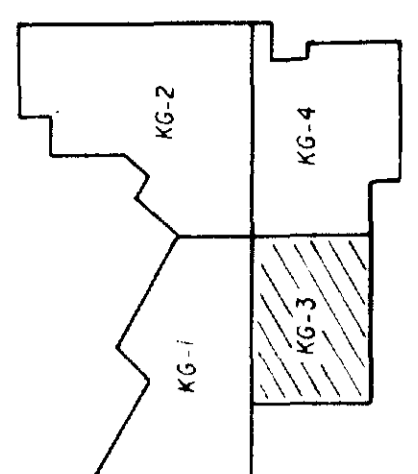


—TIE LINE 2400N —

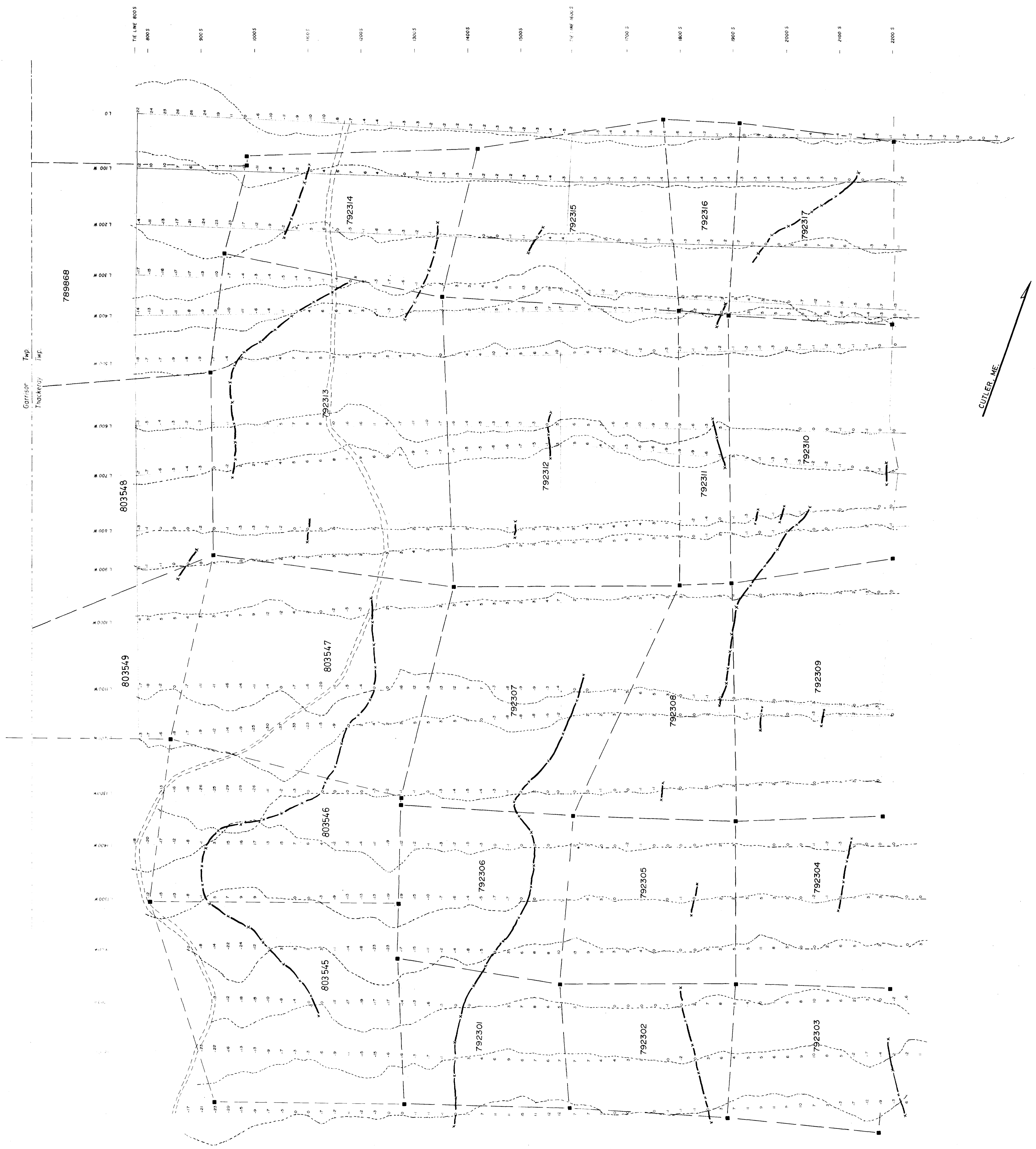
—2200 N
—2100 N
—2000 N
—1900 N
—1800 N
—1700 N
—1600 N



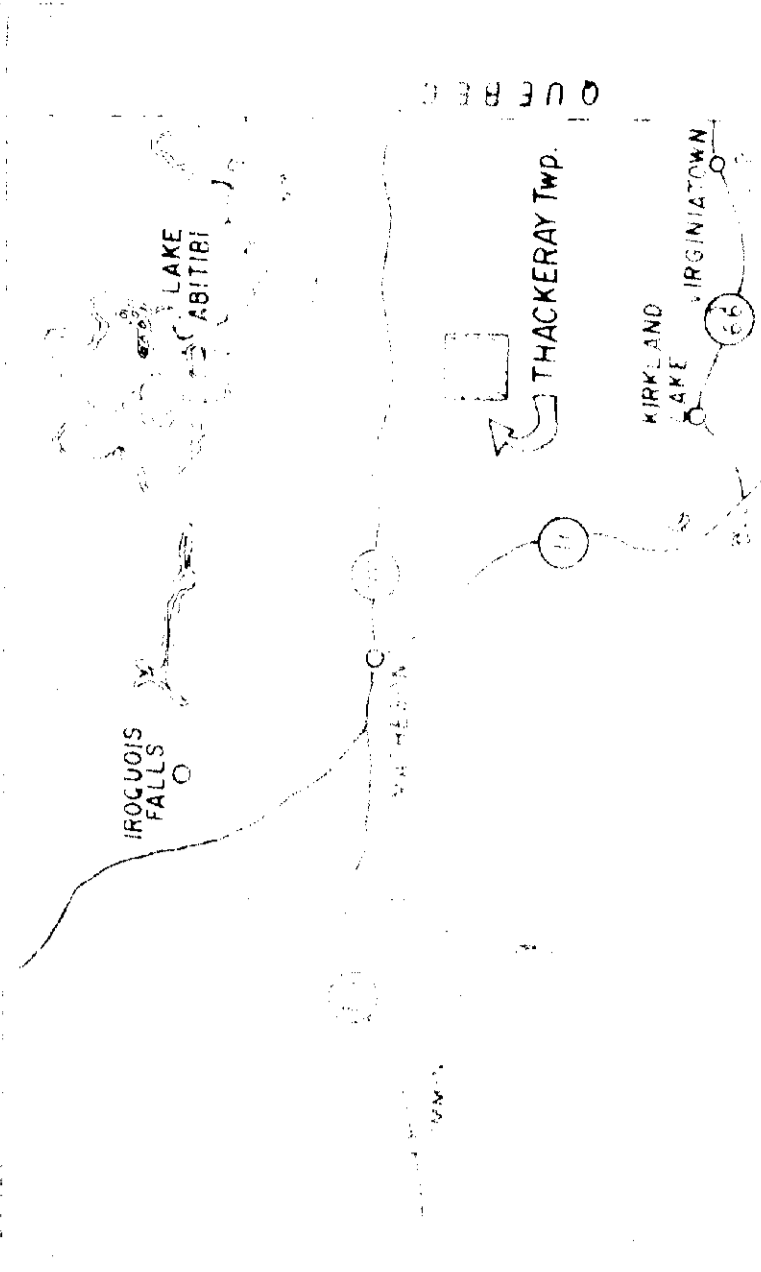
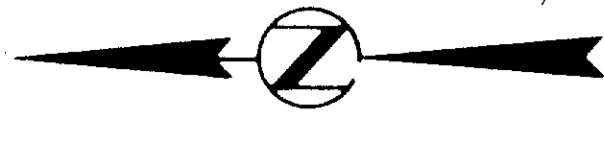
- SURVEY DATA**
- INSTRUMENT: SODERBERG
 - METHOD: STATION
 - CONDUCTOR: [Name]
 - OPERATOR: [Name]
 - DATE: [Date]
 - CLAMP: [Type]
 - SWAMP: [Type]
 - TRIP: [Type]
 - REMARKS: [Text]
 - CHECK: [Type]
 - LAKE SHORE: [Type]
 - LAKE SHIP: [Type]
 - DRILL HOLE: [Type]



KERR ADDISON MINES LIMITED
 KERR — GARRISON — CLAIMS '0-30'
 THACKERAY TOWNSHIP ONTARIO
 MAP KG-3
 VLF E.M. D.P. ANGLE
 CUTLER, MANE
 SCALE 1:2500 JULY, AUGUST 1944



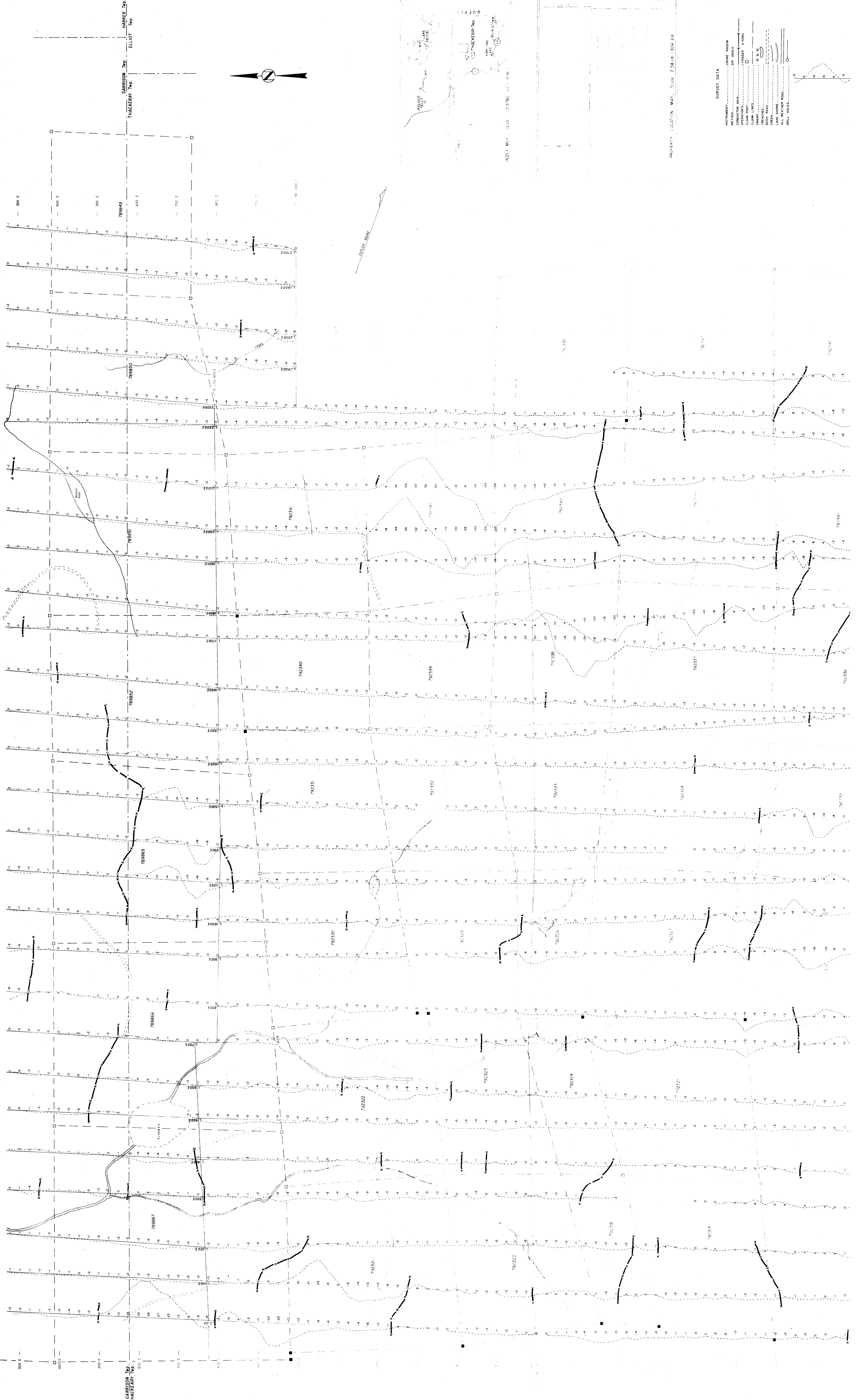
CUTLER, MANE



DATE MAP: SEP 10 1986 11:17 AM

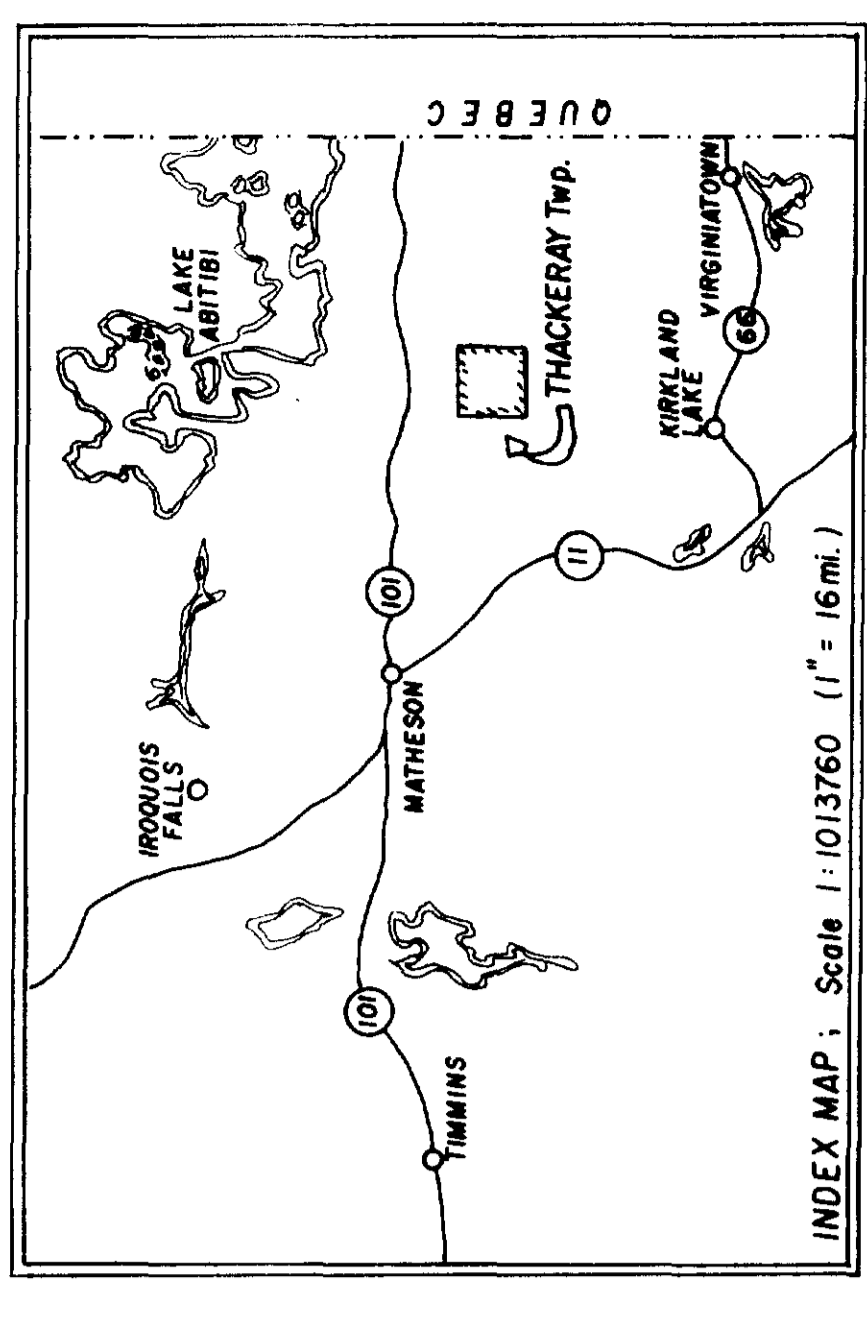
PROPERTY LOCATION MAP, Scale 2.54 cm = 100.00 m

- SURVEY DATA
- INSTRUMENT: OCEAN RADOM
 - METHOD: DISTANCE MEASUREMENT
 - CONDUCTOR: ANS
 - OPERATOR: J. FRASER
 - CLAM LINES: 100
 - SWAMP: 100
 - BISS: 100
 - CRIP: 100
 - ALL WEATHER ROAD: 100
 - DRILL HOLES: 100



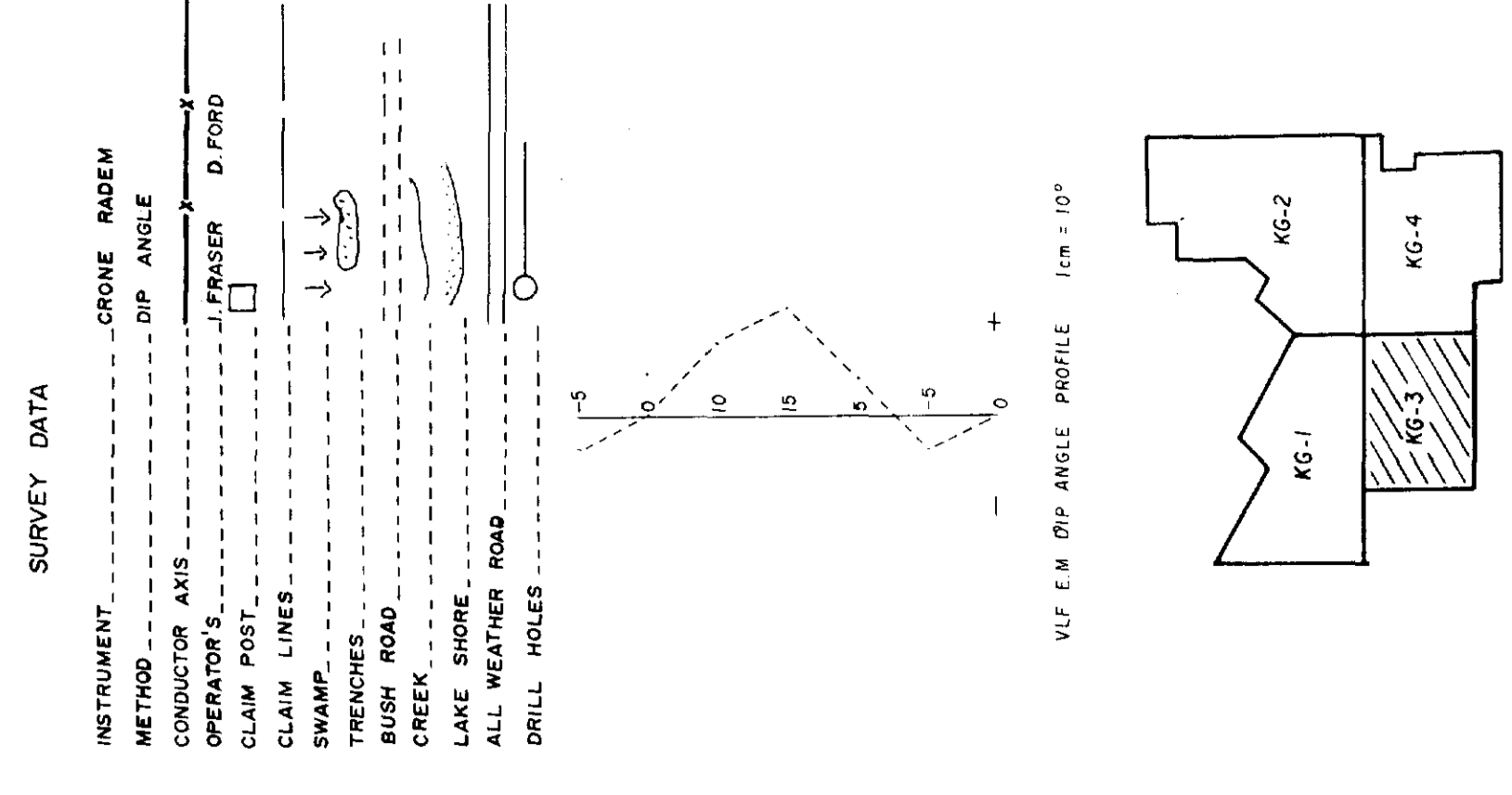
GARRISON TWP. THACKERAY TWP.

GARRISON TWP. THACKERAY TWP.

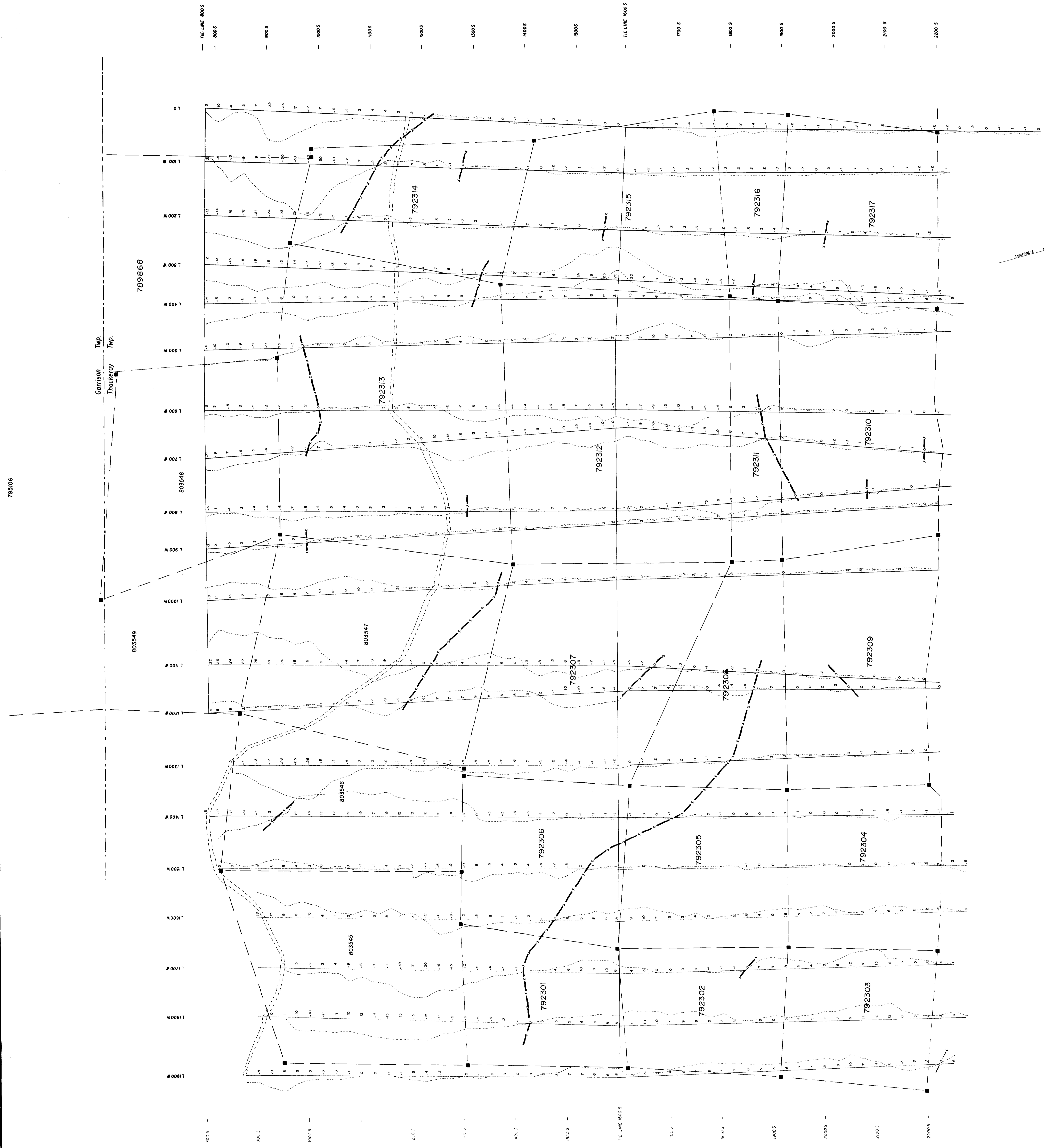


PROPERTY LOCATION MAP, Scale 2.5cm = 80m 6m

THE LINE 8005	THE LINE 8005	THE LINE 8005	THE LINE 8005	THE LINE 8005	THE LINE 8005	THE LINE 8005	THE LINE 8005	THE LINE 8005	THE LINE 8005
792301	792302	792303	792304	792305	792306	792307	792308	792309	792310
792311	792312	792313	792314	792315	792316	792317	792318	792319	792320



KERR ADDISON MINES LIMITED
 KERR — GARRISON — CLAIMS '0-30'
 THACKERAY TOWNSHIP ONTARIO
 MAP KG-3
 VLF E.M. DIP ANGLE
 ANNAPOLIS, MARYLAND
 SCALE 1:2000 JULY/AUGUST 1986



79106

Garrison Twp.
Thackeray Twp.

789868

803549

803546

803545

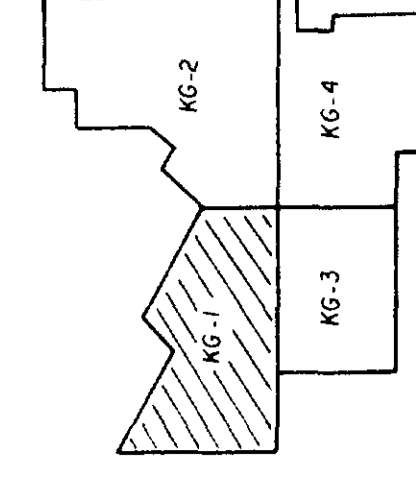
803547

803548

803549

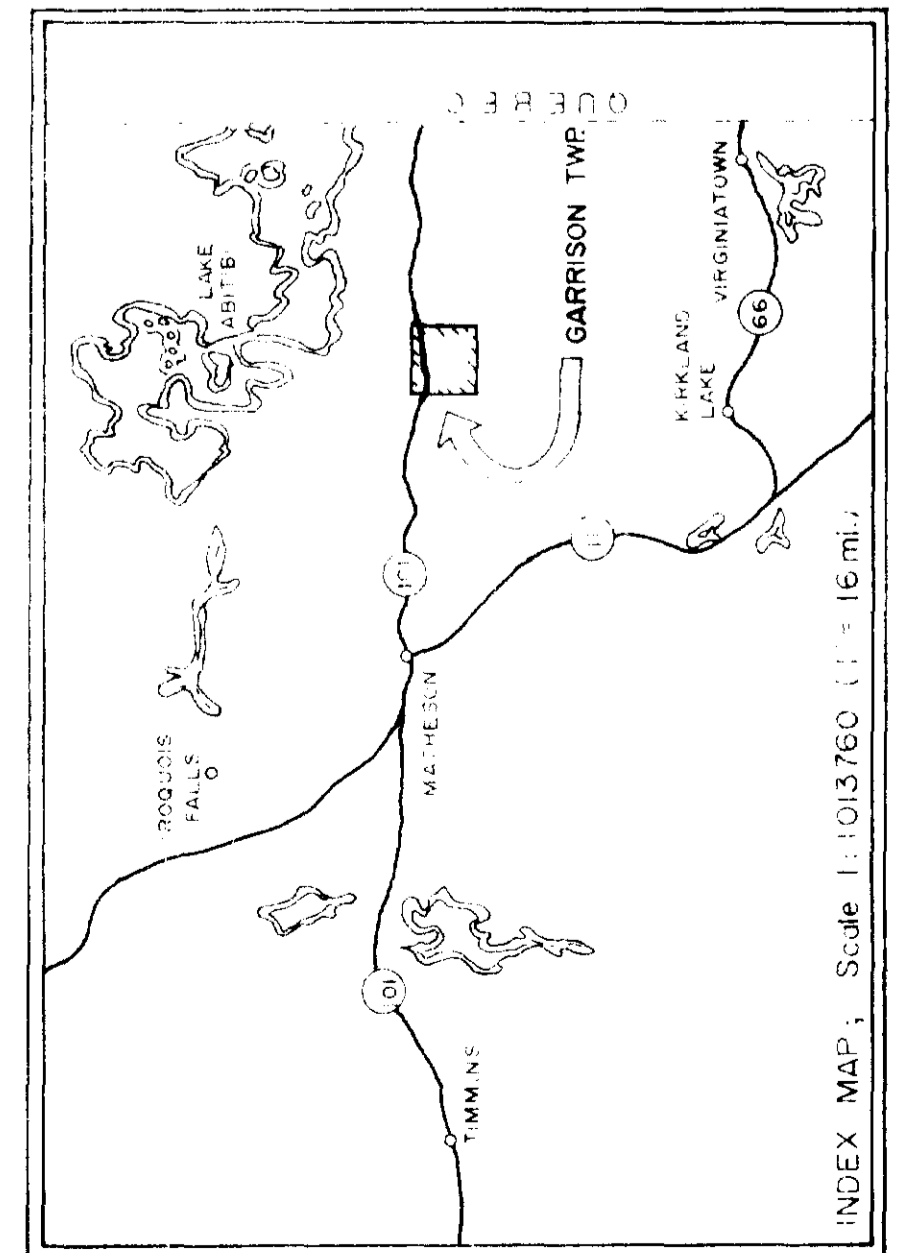
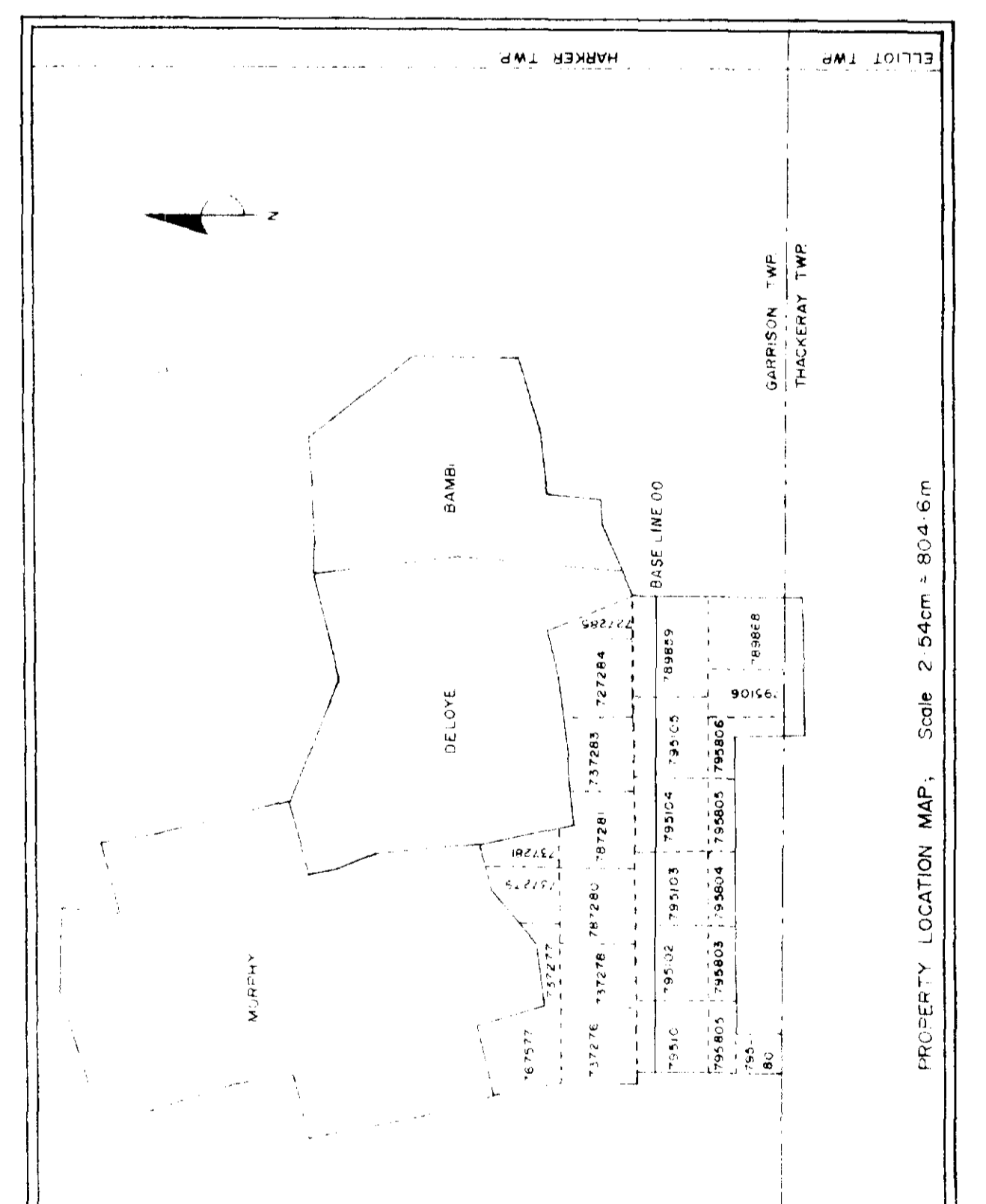
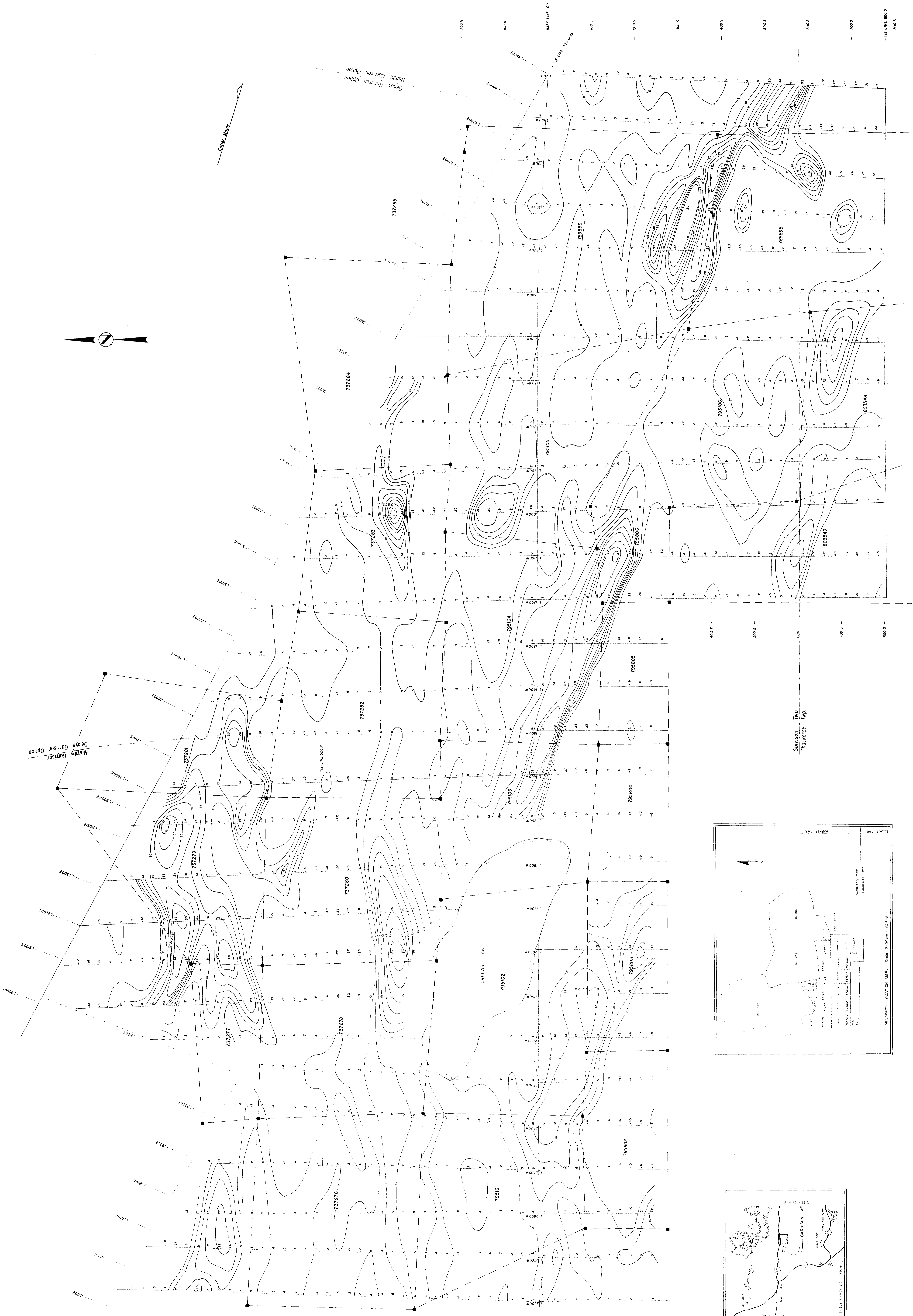
ANNAPOLIS MARYLAND





SURVEY DATA

INSTRUMENT	CONRAD PLOZEN VLF
TRANSMITTER STATION	CUTLER MAINE
RECEIVER	FRASER FILTER
OPERATOR	FRASER FILTER
DATE	1988
CLAM LINE	50' W.P.
SWAMP	30' W.P.
CRACK	30' W.P.
WET	30' W.P.
ALL WEATHER ROAD	30' W.P.
DRILL HOLES	30' W.P.



TIE IN 2300 N

2200 N

2100 N

2000 N

1900 N

1800 N

1700 N

1600 N

1500 N

1400 N

1300 N

1200 N

1100 N

1000 N

900 N

800 N

700 N

600 N

500 N

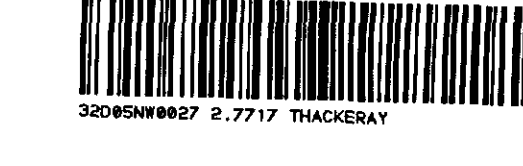
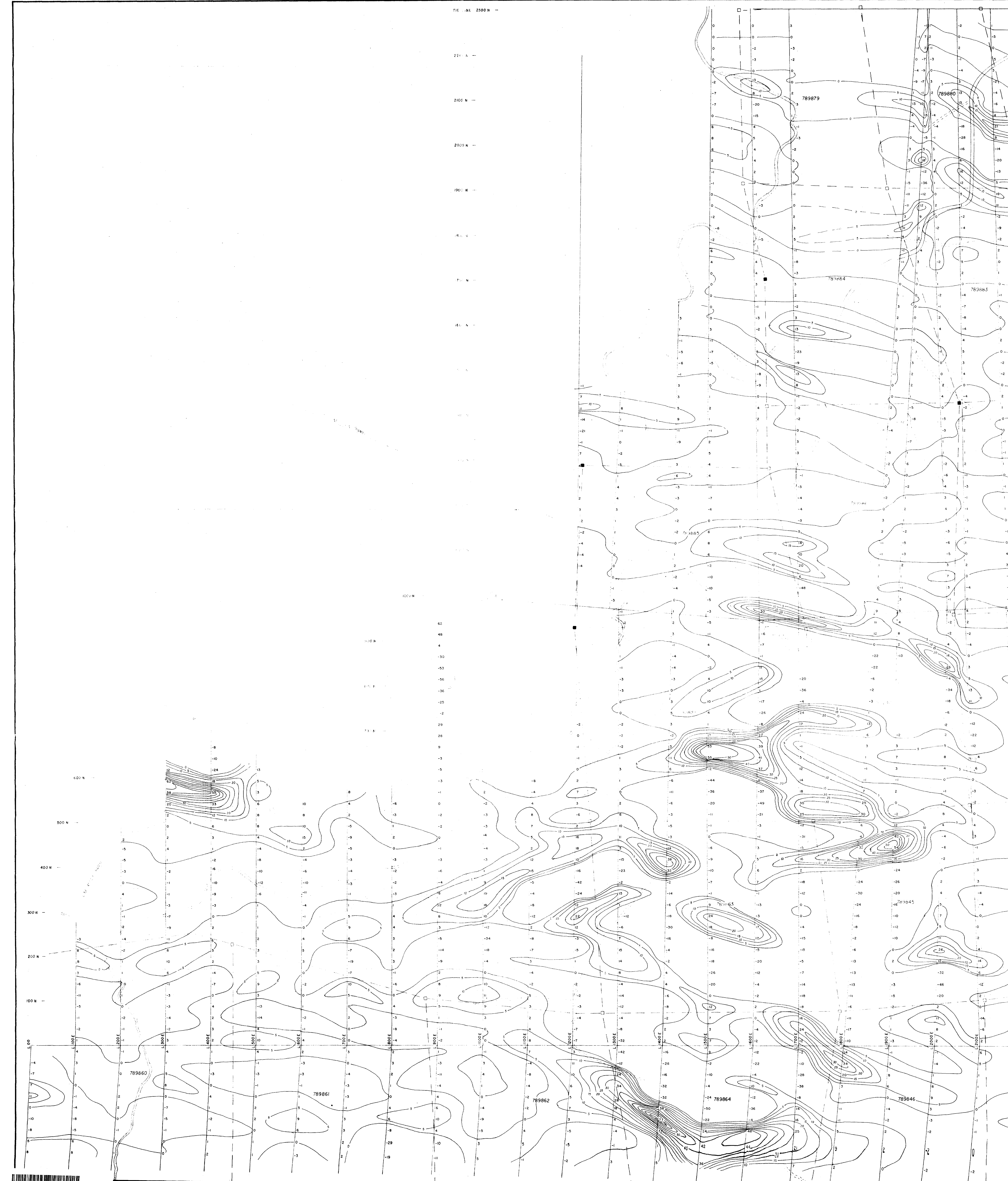
400 N

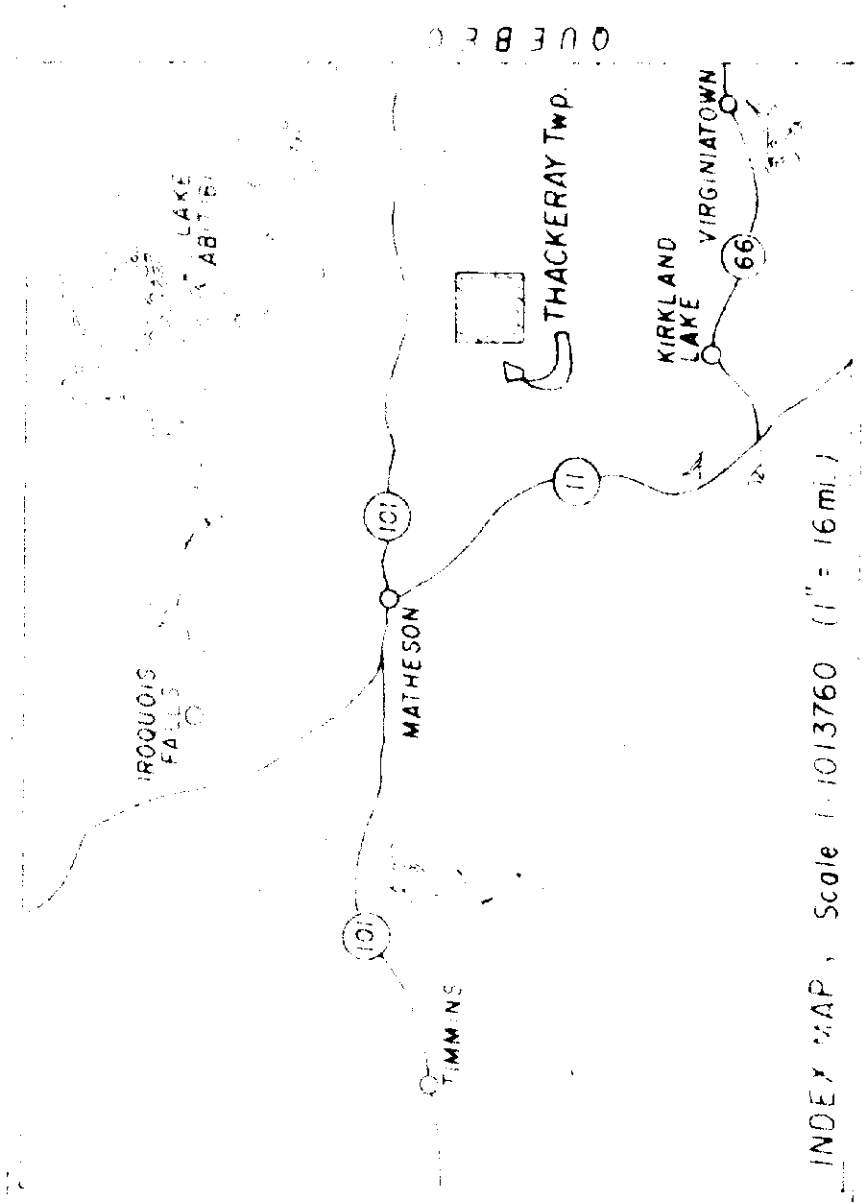
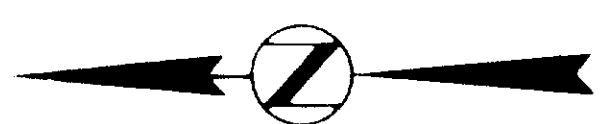
300 N

200 N

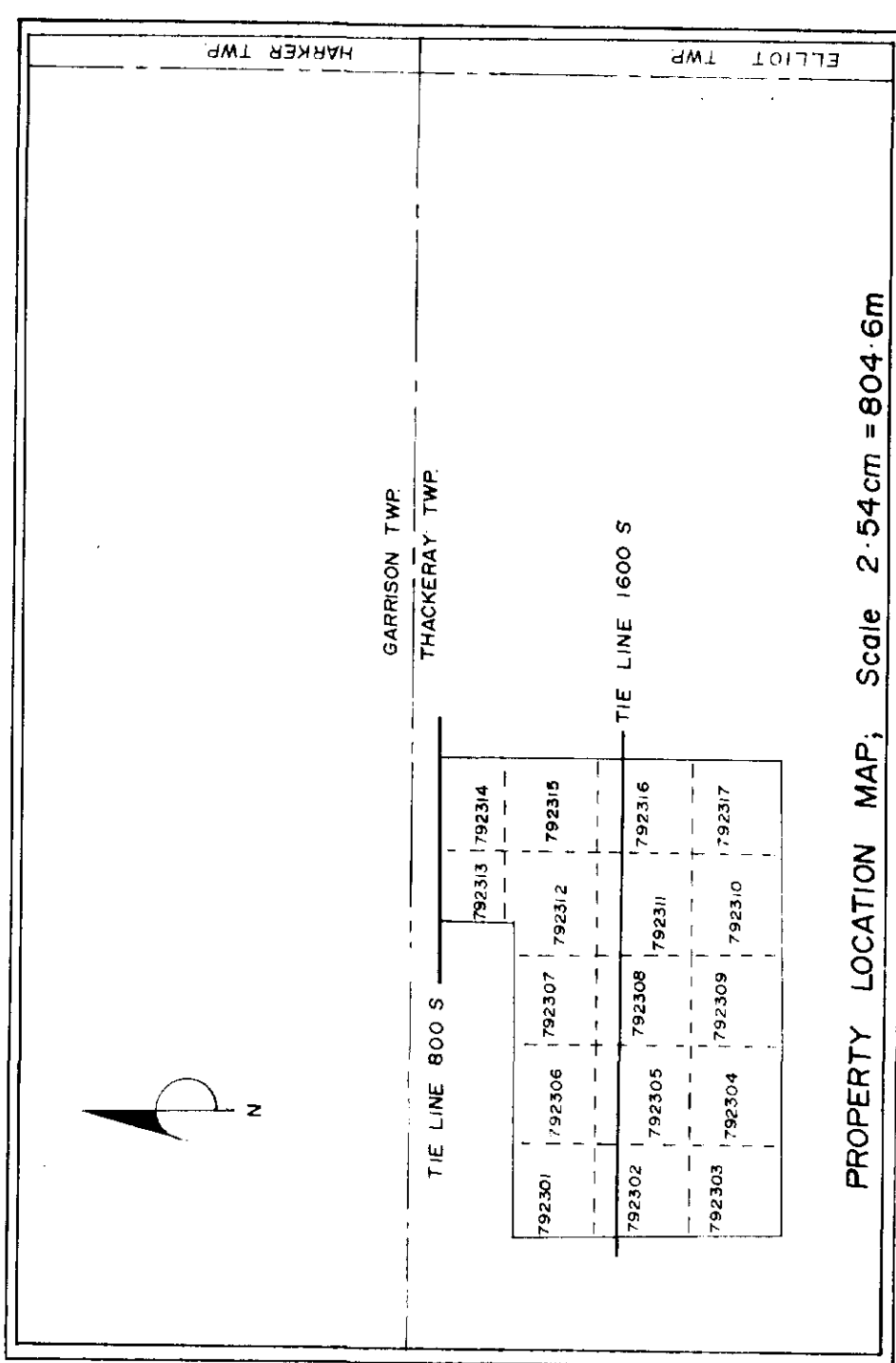
100 N

00



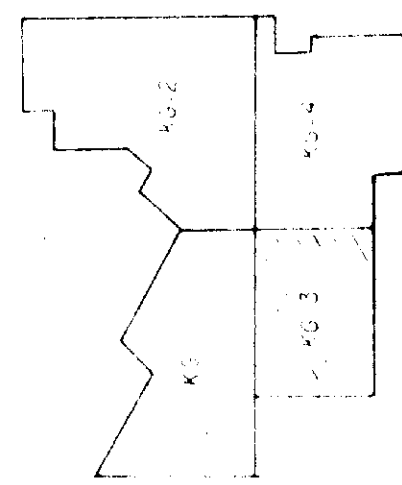


INDEX MAP, Scale 1:1013760 (1" = 16m)



SURVEY DATA

- RETINEMENT: CHOWK BARRA
- METHOD: FRASER FILTER
- CONDUCTION AXIS: FRASER FILTER
- CLAMP POST: FRASER 0.1400
- CLAMP LINES: 8 x 8
- TRIPROCKS: 8 x 8
- ROCK ROAD: 8 x 8
- GREEN PILING: 8 x 8
- ALL WEATHER ROAD: 8 x 8
- DRILL HOLES: 8 x 8



KERR ADDISON MINES LIMITED

KERR - GARRISON - CLAIMS 6-30

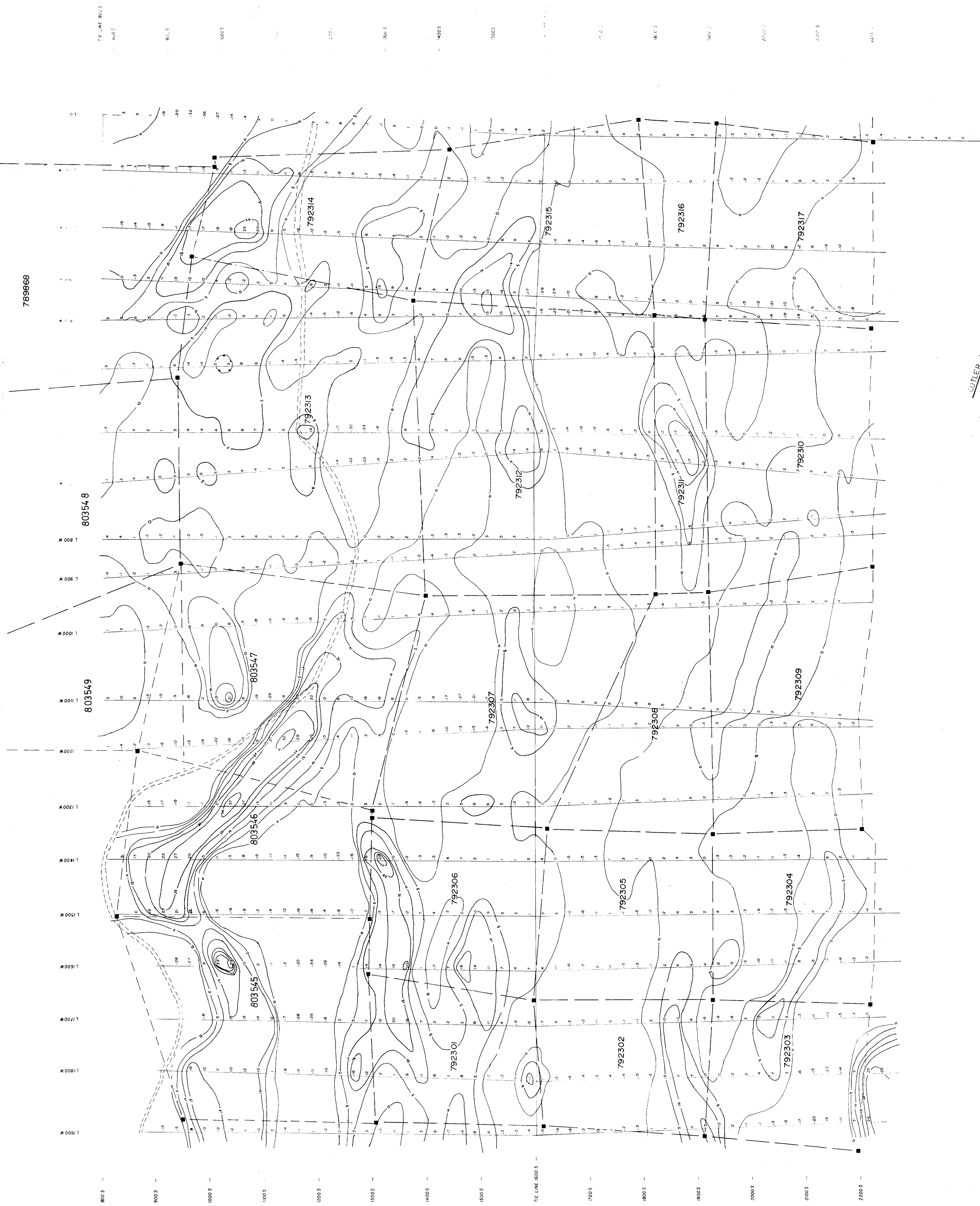
THACKERAY TOWNSHIP ONTARIO

MAP KG-3

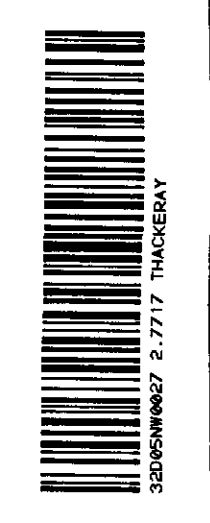
V.L.F. EM. FRASER FILTER

OUTLER, W.A.

3-7777



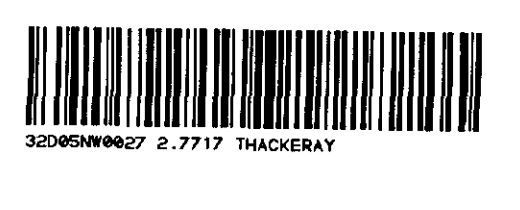
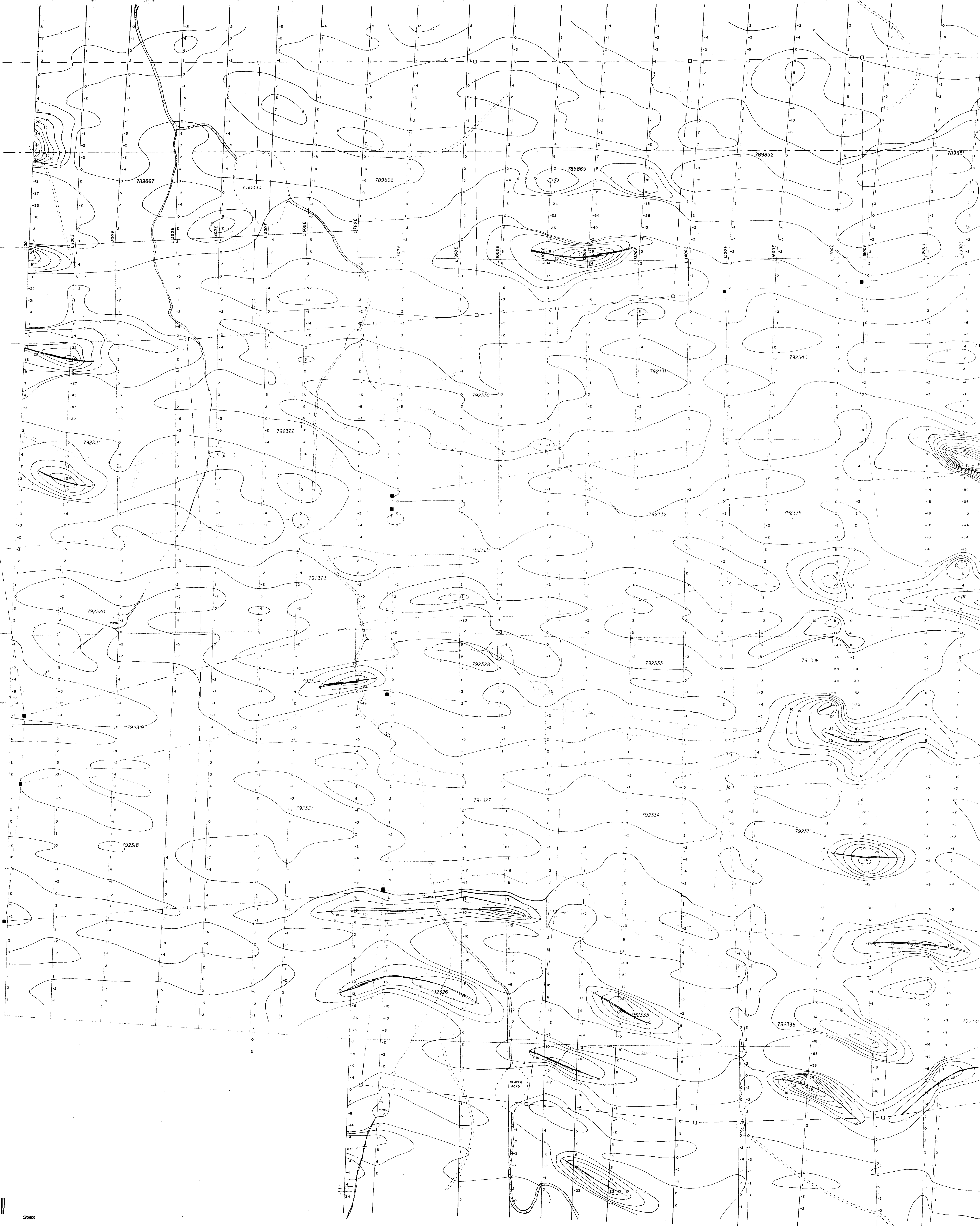
OUTLER, W.A.

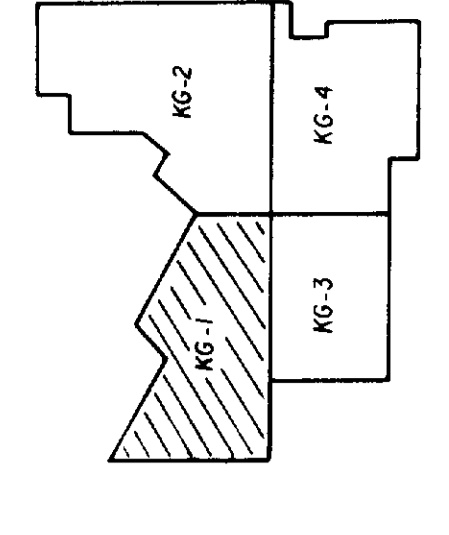


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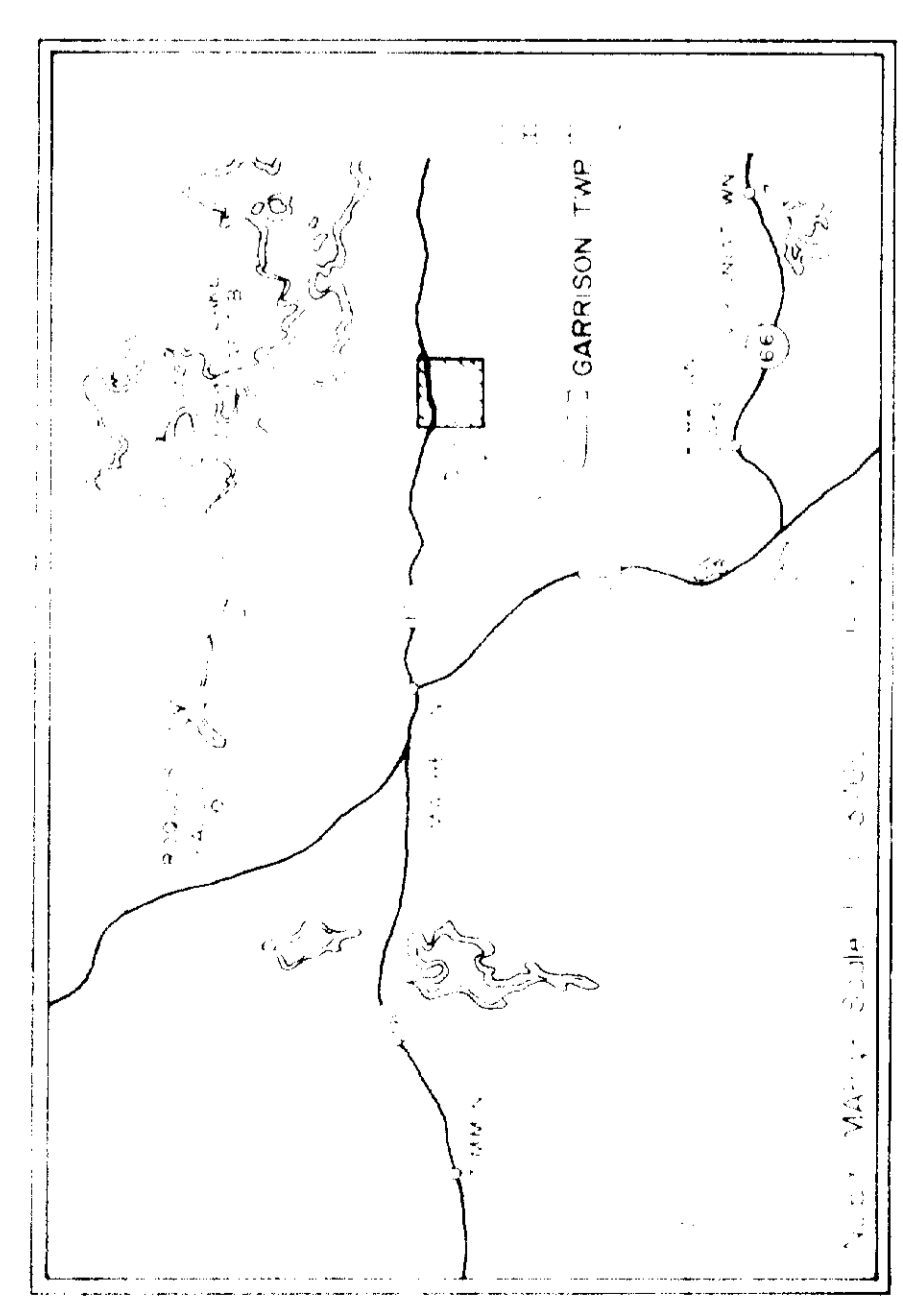
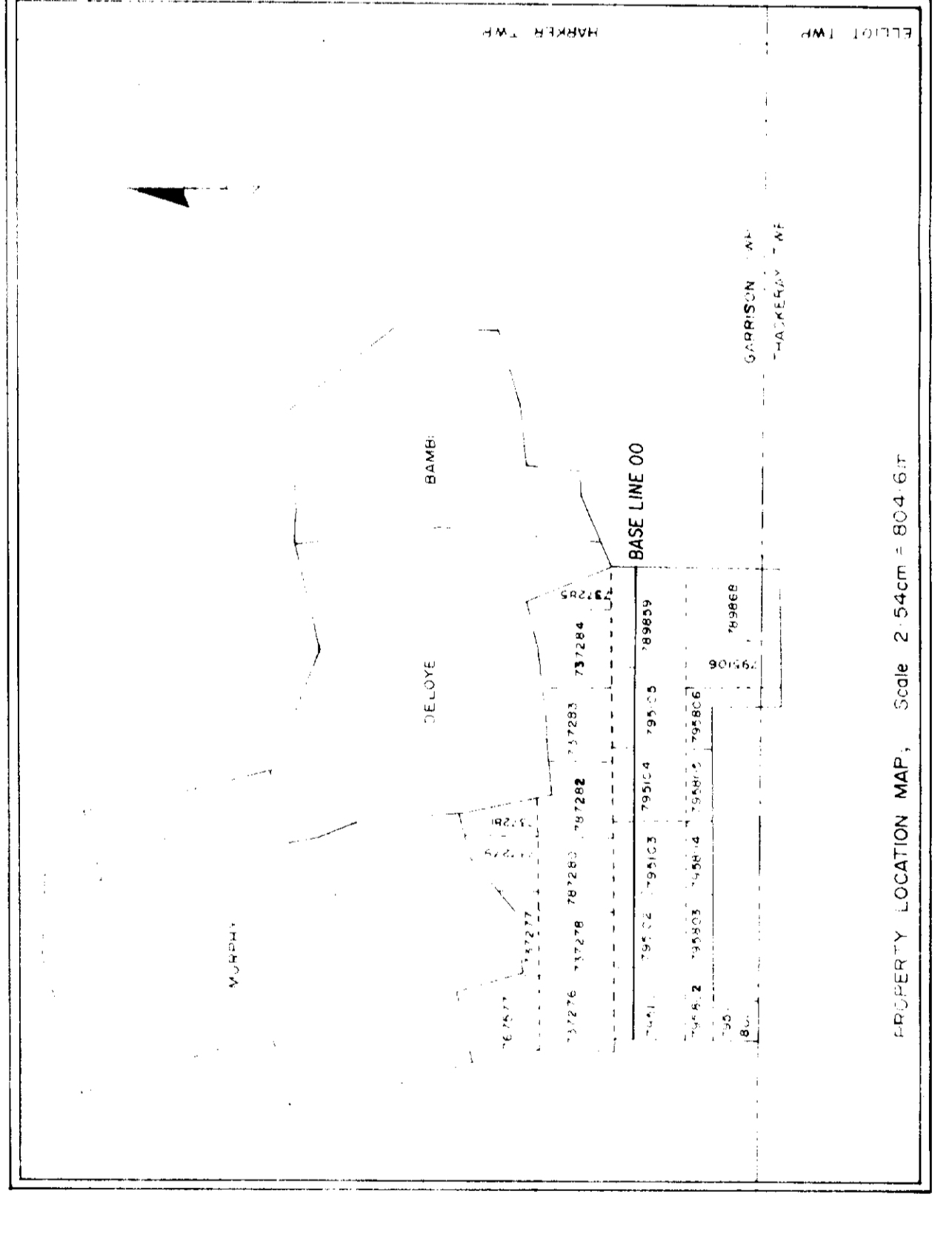
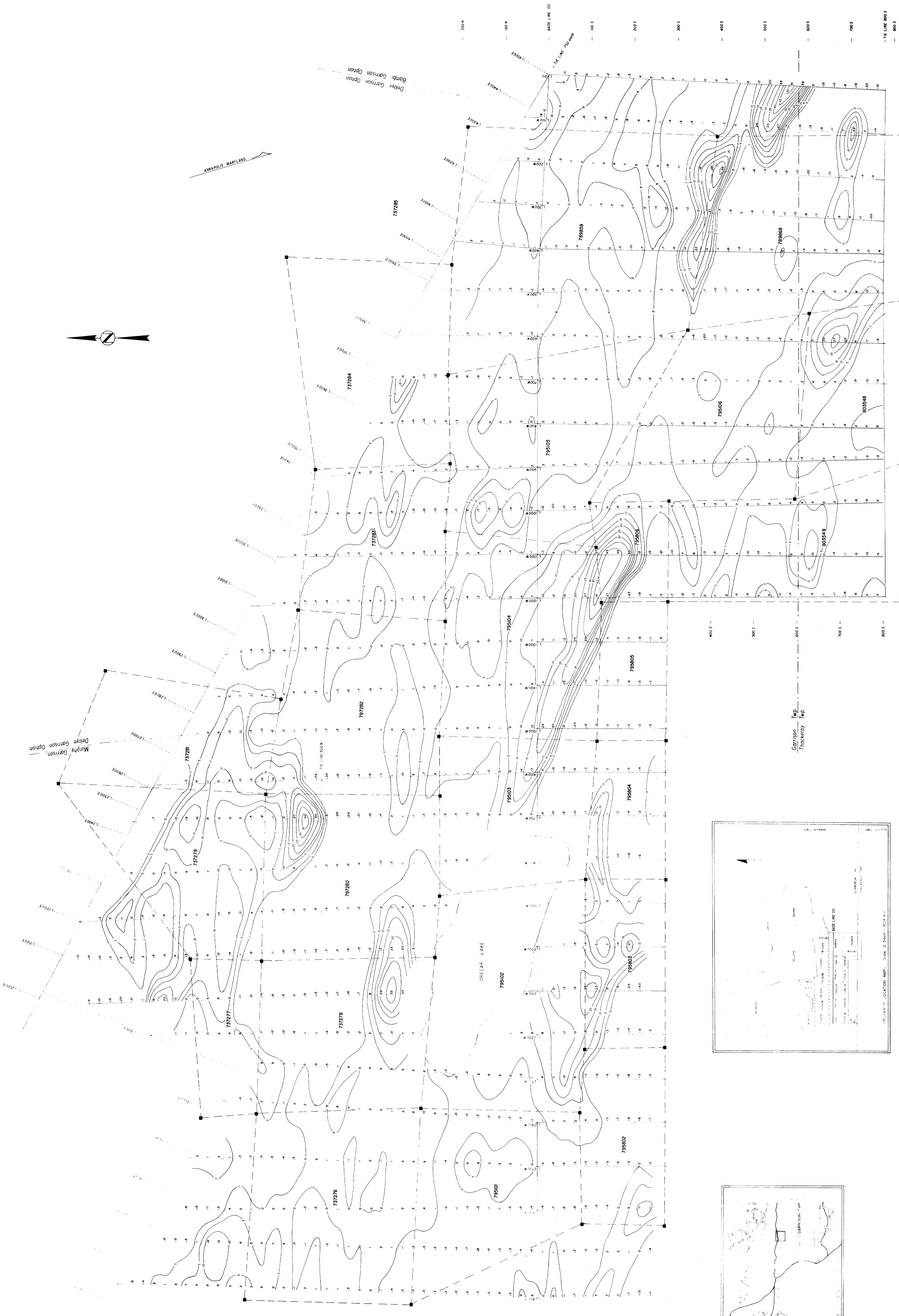
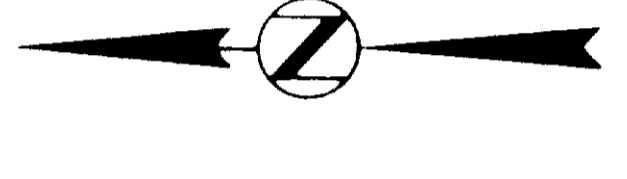
GARRISON Twp.
THACKERAY Twp.

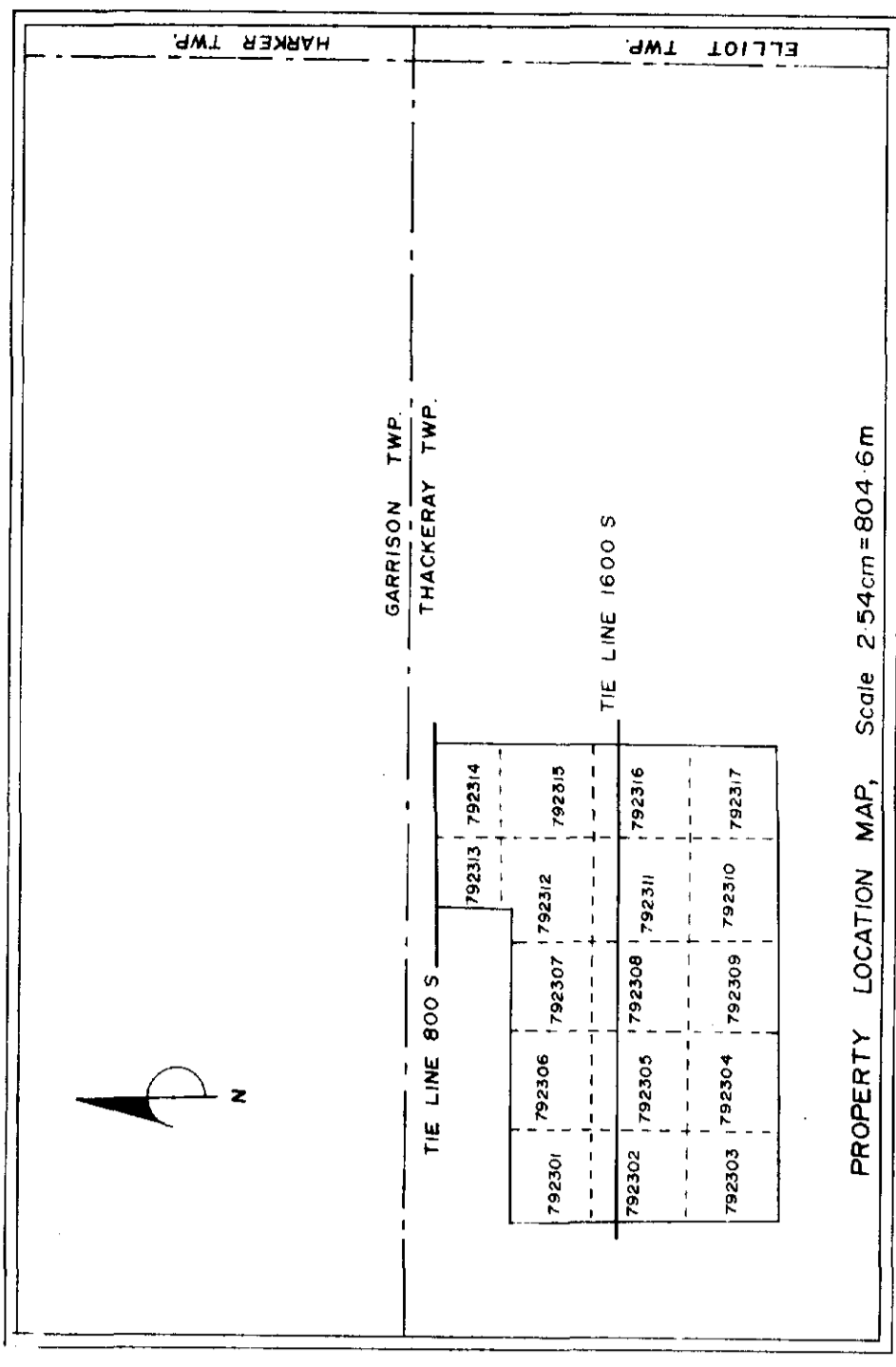
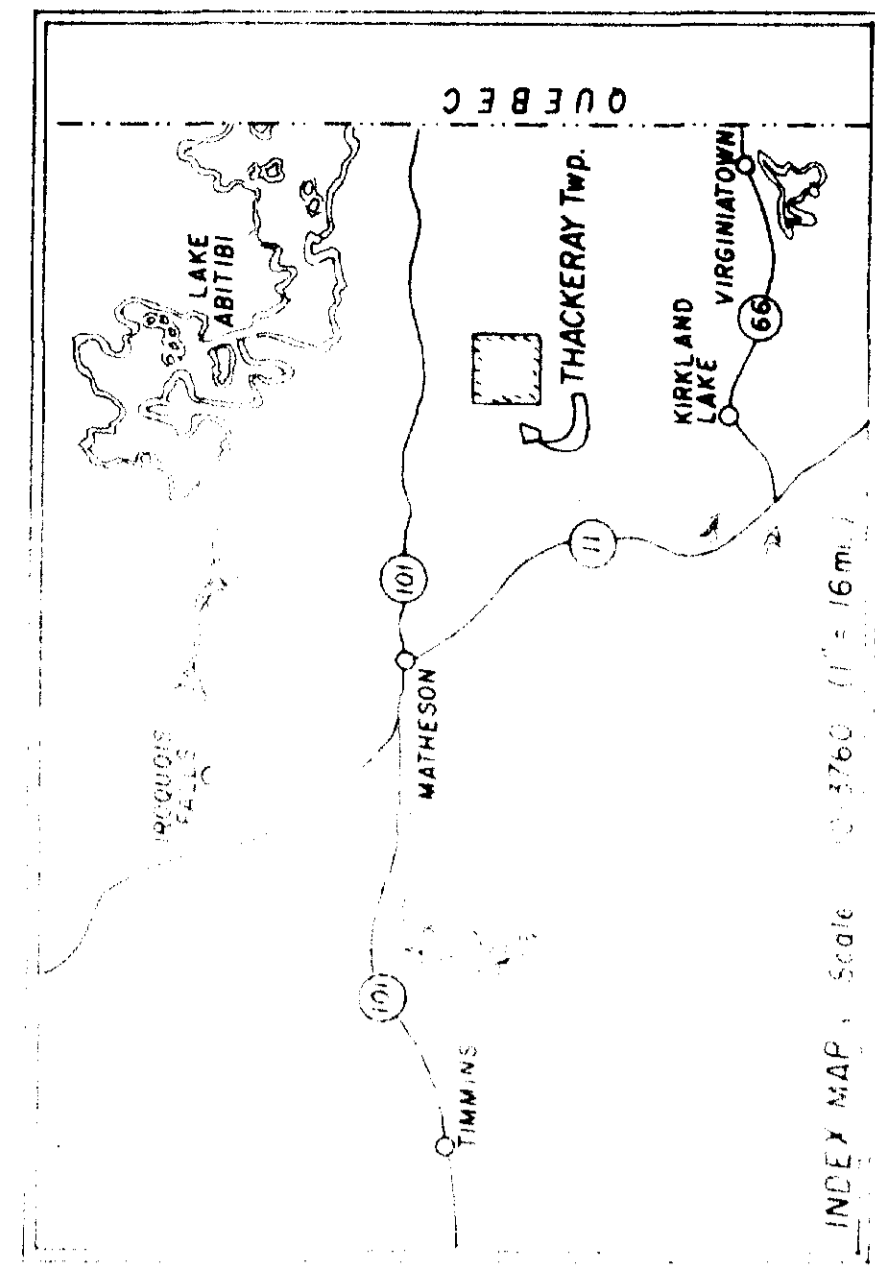
300 S
400 S
500 S
600 S
700 S
800 S
900 S
1000 S
1100 S
1200 S
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1600 S
1700 S
1800 S
1900 S
2000 S
2100 S
2200 S
2300 S
2400 S



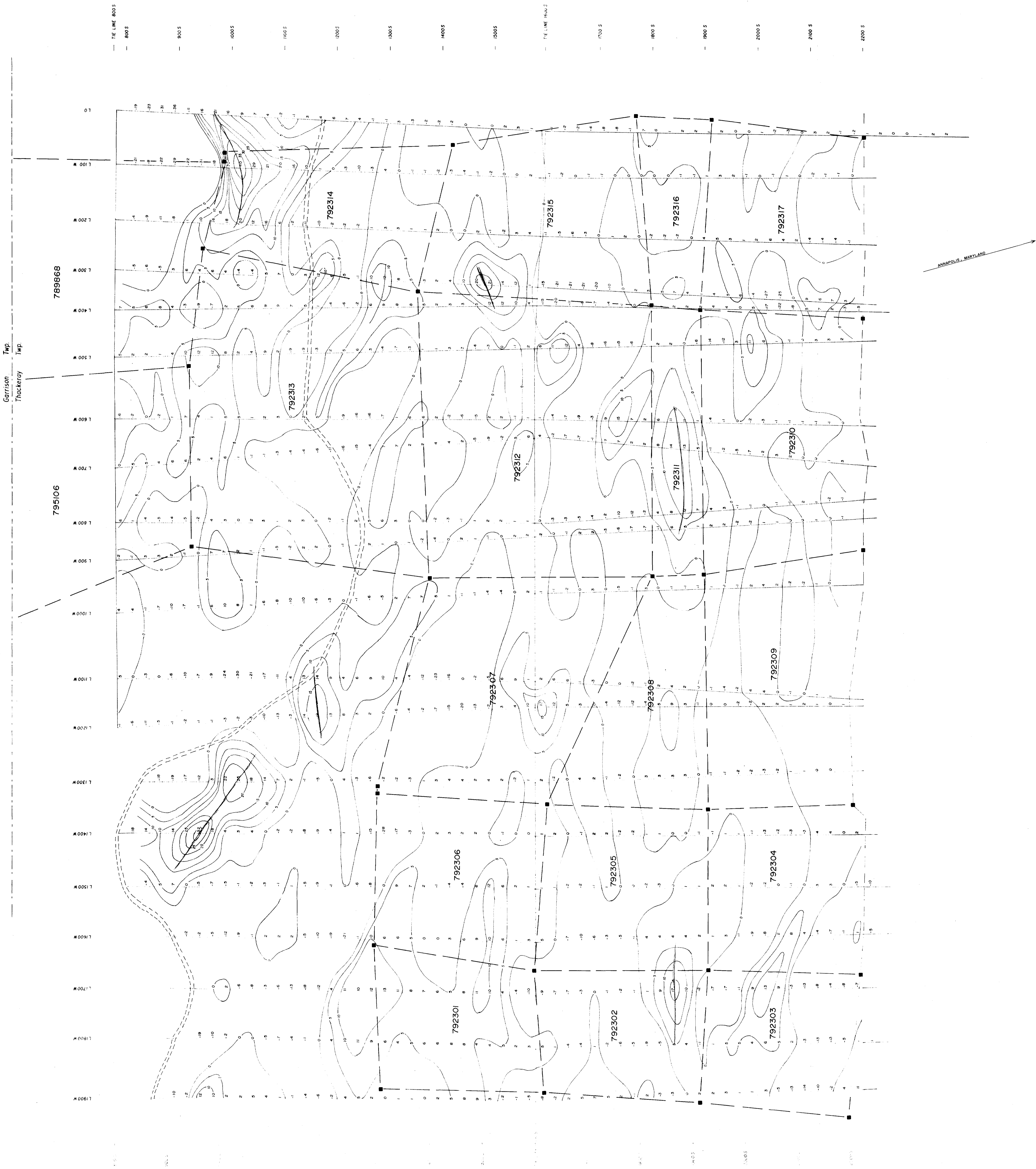
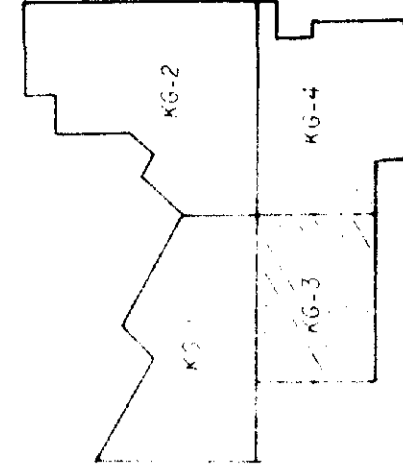


SURVEY DATA
 ANAPOLIS, MARYLAND
 TRANSIT STATION
 METRO
 CLAMP POST
 SWAMP
 FENCE
 LAKESHORE ROAD
 DRILL HOLE

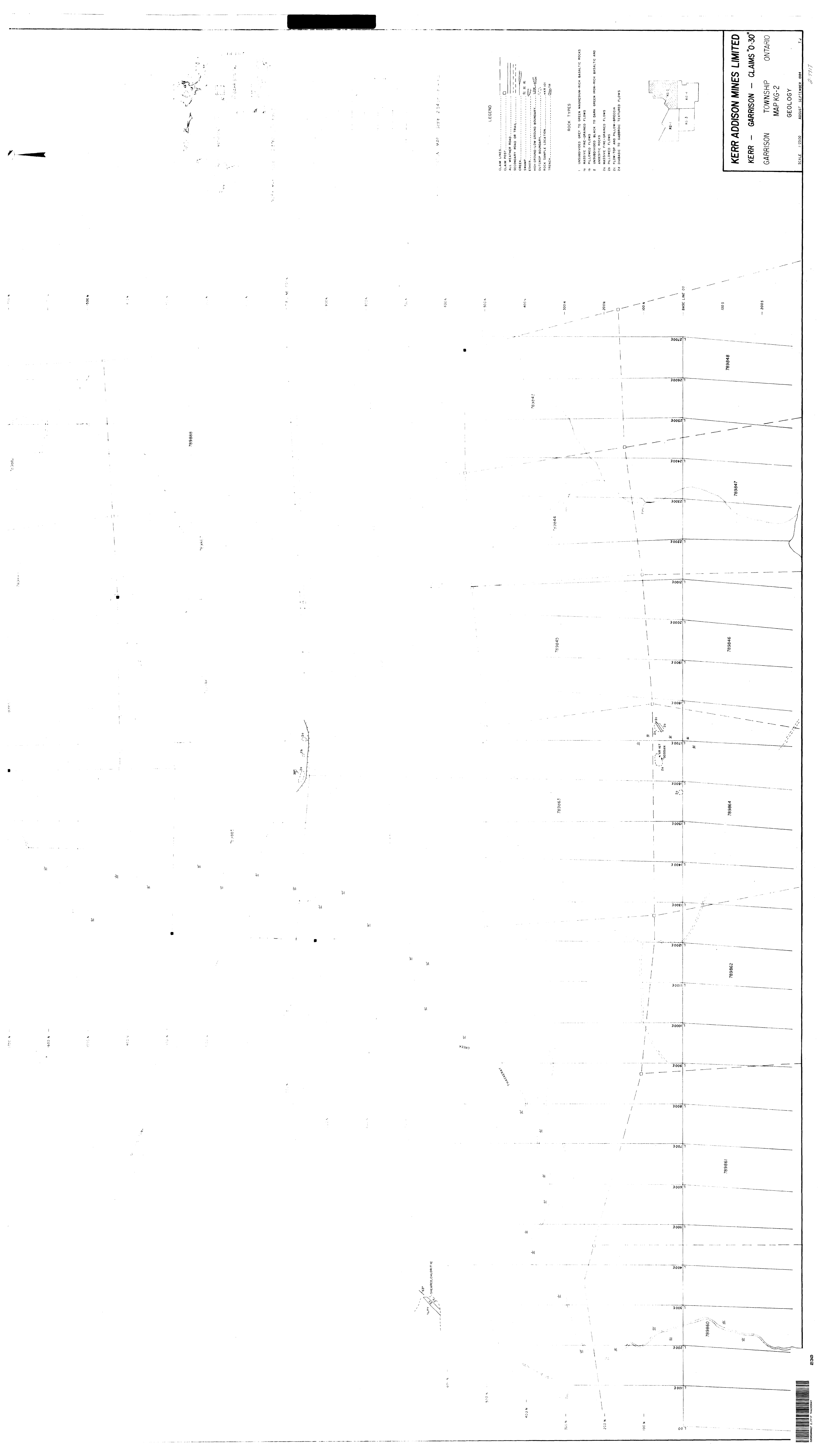




- SURVEY DATA**
- INSTRUMENT: CRUISE PASEM
 - METHOD: INTERVAL
 - OPERATOR: FRASER
 - CLAMP POST: FRASER D. FORD
 - CLAMP LINES: [Symbol]
 - TRENCHES: [Symbol]
 - BURN ROAD: [Symbol]
 - LAKE SHORE: [Symbol]
 - ALL WEATHER ROAD: [Symbol]
 - GRILL INLET: [Symbol]

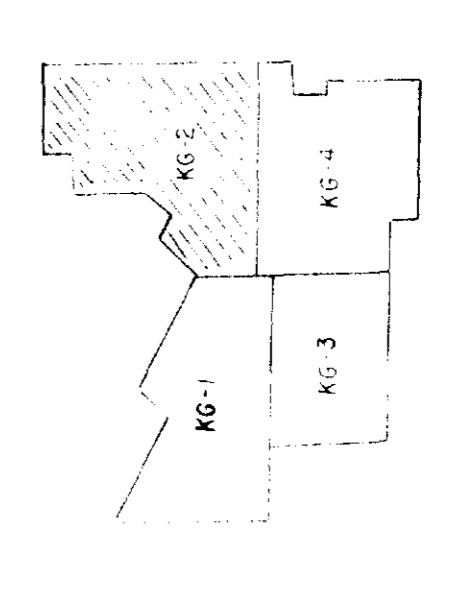


KERR ADDISON MINES LIMITED
 KERR — GARRISON — CLAIMS '0-30'
 THACKERAY TOWNSHIP ONTARIO
 MAP KG-3
 VLF E.M. FRASER FILTER
 ANNAPOLIS, MARYLAND



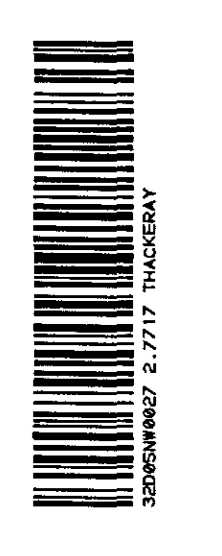
- LEGEND**
- CLAIM LINES.....
 - CLAIM POOL.....
 - ROAD.....
 - SECONDARY ROAD OR TRAIL.....
 - CREEK.....
 - EMERGENCY TRENCH.....
 - HIGH GROUND-LOW GROUND BOUNDARY.....
 - SECTION BOUNDARY.....
 - SECTION CORNER.....
 - TRENCH.....

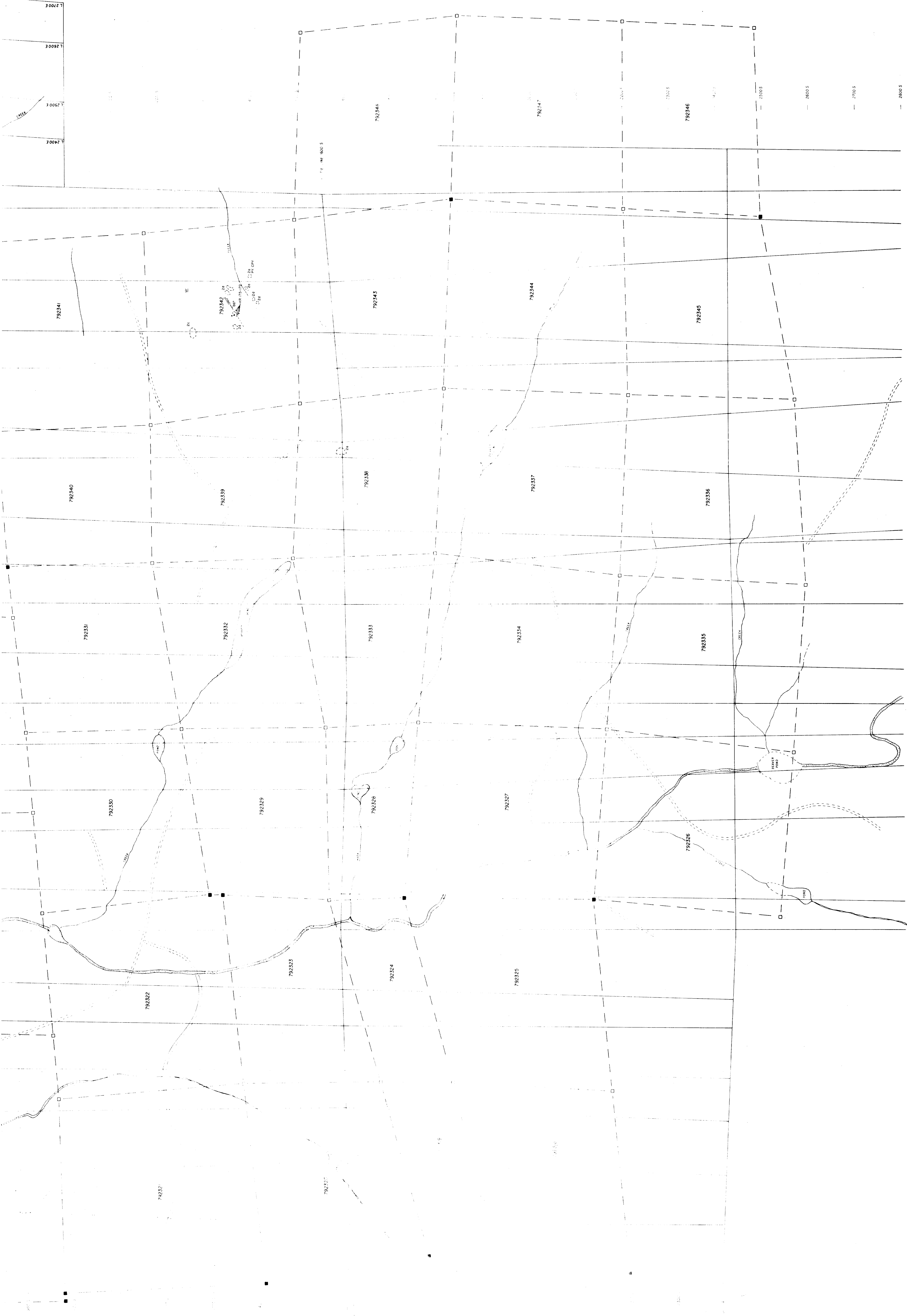
- ROCK TYPES**
- 1 UNDRYING GREY TO GREEN MEDIUM-RICH BASALTIC ROCKS
 - 1a MASSIVE FINE-GRAINED FLOWS
 - 1b FLOWED FLOWS
 - 2 ANDESITIC ROCKS
 - 2a MASSIVE FINE-GRAINED FLOWS
 - 2b FLOWED FLOWS
 - 2c FLOW TOP AND FLOW-BRECCIA
 - 2d DIABASE TO GABBROIC TEXTURED FLOWS



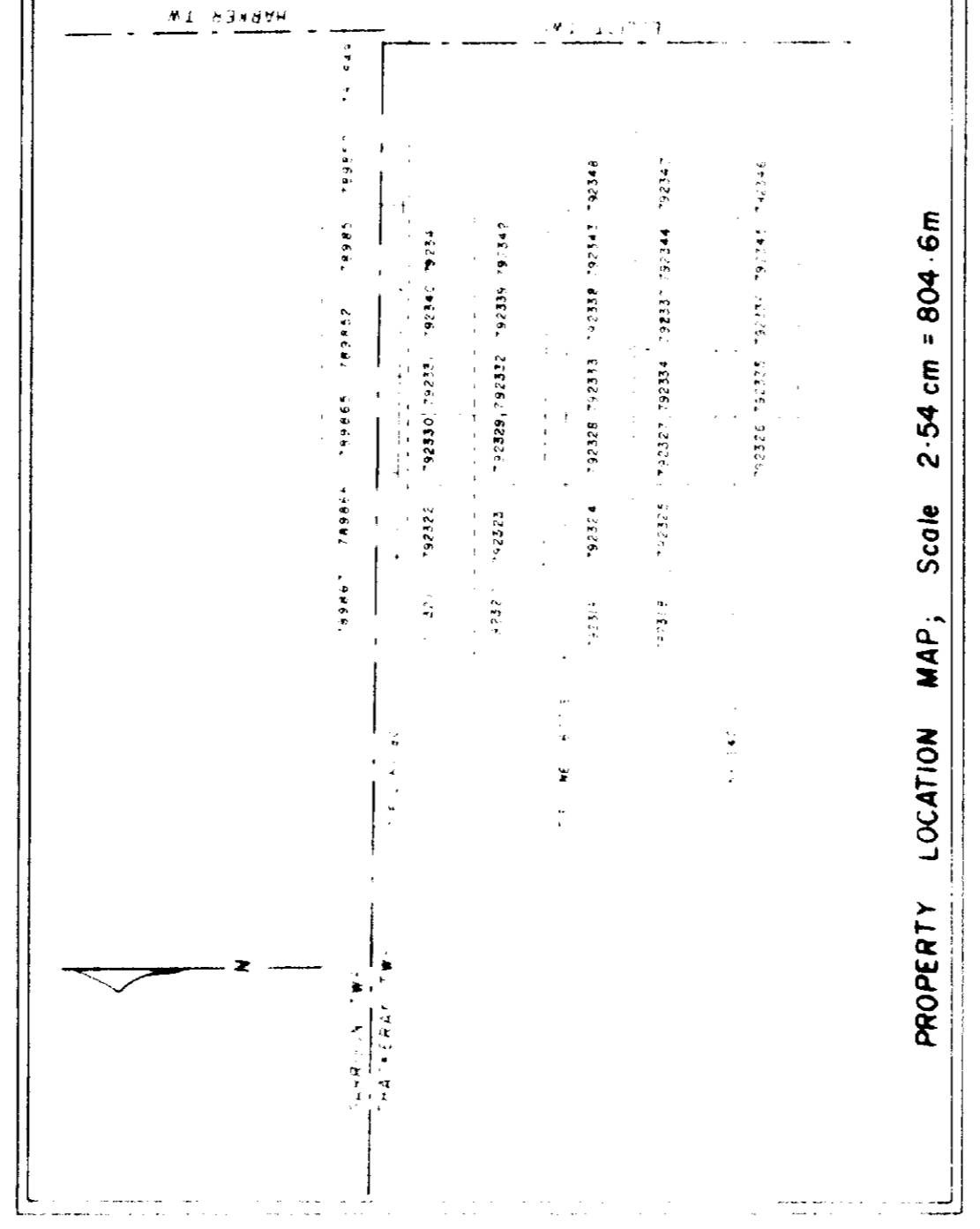
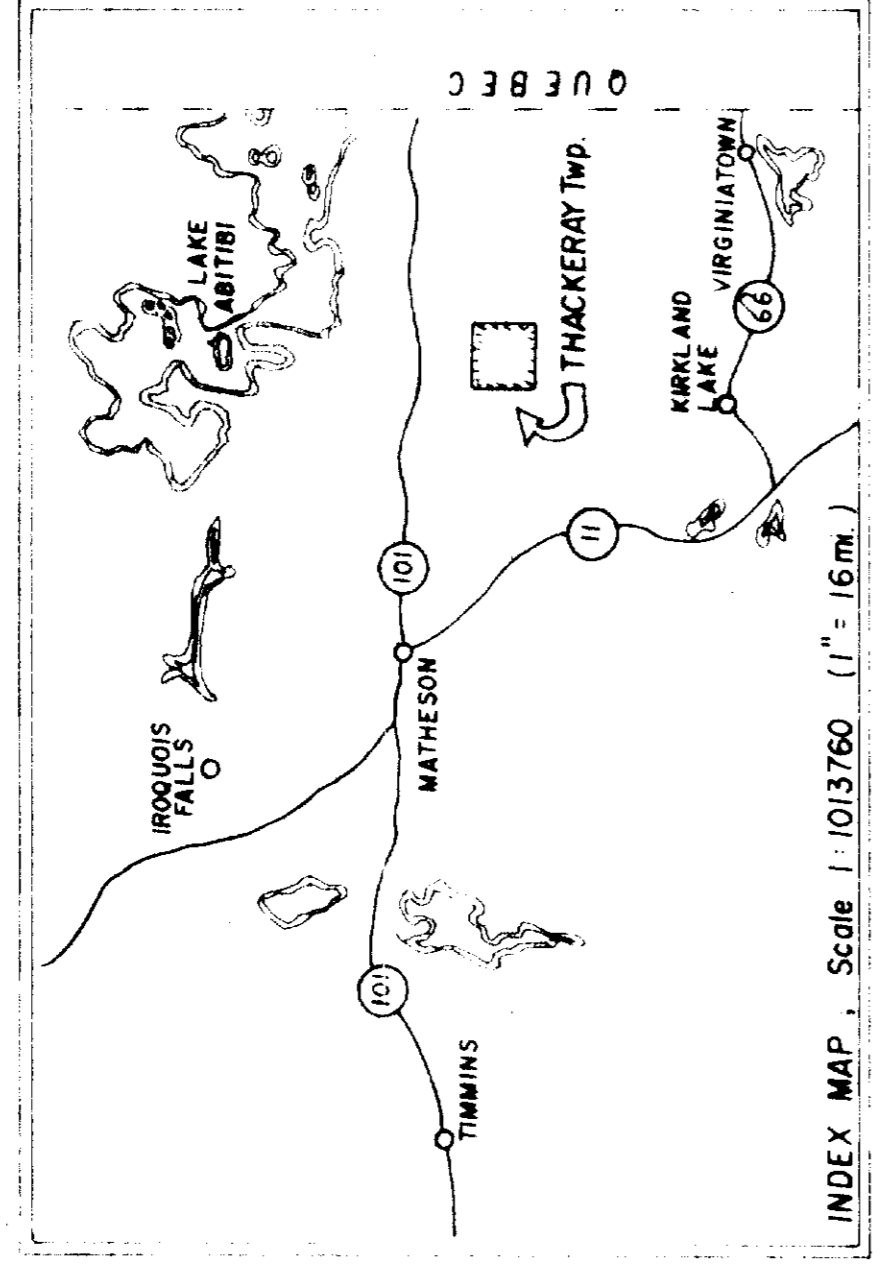
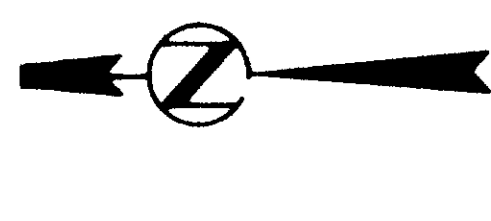
KERR ADDISON MINES LIMITED
KERR - GARRISON - CLAIMS '0-30'
 GARRISON TOWNSHIP ONTARIO
 MAP KG-2
 GEOLOGY

SCALE 1:2500
 AUGUST-SEPTEMBER 1984
 T.J.





1:500 S
1:1000 S

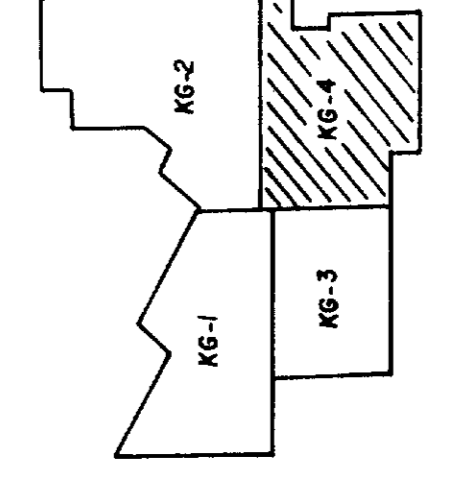


LEGEND

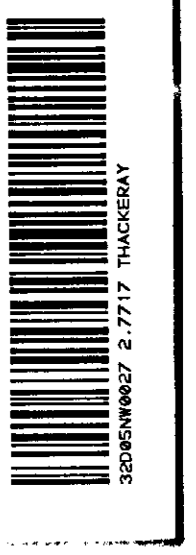
- CLAM HOLES
- CLAIM POST
- ALL WEATHER ROAD
- SECONDARY ROAD OR TRAIL
- TRAMP
- EMERGENCY ESCAPE ROAD
- OUTCROP BOUNDARY
- ROCK SAMPLE LOCATION
- FENCE

ROCK TYPES

- 1 UNBANDLED GREY TO GREEN MAGNESIUM-RICH BASALTIC ROCKS
- 2 UNBANDLED BLACK TO DARK GREEN IRON-RICH BASALTIC AND
- 3 UNBANDLED BLACK TO DARK GREEN IRON-RICH BASALTIC AND
- 4 UNBANDLED BLACK TO DARK GREEN IRON-RICH BASALTIC AND
- 5 UNBANDLED BLACK TO DARK GREEN IRON-RICH BASALTIC AND
- 6 UNBANDLED BLACK TO DARK GREEN IRON-RICH BASALTIC AND
- 7 UNBANDLED BLACK TO DARK GREEN IRON-RICH BASALTIC AND
- 8 UNBANDLED BLACK TO DARK GREEN IRON-RICH BASALTIC AND
- 9 UNBANDLED BLACK TO DARK GREEN IRON-RICH BASALTIC AND
- 10 UNBANDLED BLACK TO DARK GREEN IRON-RICH BASALTIC AND
- 11 UNBANDLED BLACK TO DARK GREEN IRON-RICH BASALTIC AND
- 12 UNBANDLED BLACK TO DARK GREEN IRON-RICH BASALTIC AND
- 13 UNBANDLED BLACK TO DARK GREEN IRON-RICH BASALTIC AND
- 14 UNBANDLED BLACK TO DARK GREEN IRON-RICH BASALTIC AND
- 15 UNBANDLED BLACK TO DARK GREEN IRON-RICH BASALTIC AND
- 16 UNBANDLED BLACK TO DARK GREEN IRON-RICH BASALTIC AND
- 17 UNBANDLED BLACK TO DARK GREEN IRON-RICH BASALTIC AND
- 18 UNBANDLED BLACK TO DARK GREEN IRON-RICH BASALTIC AND
- 19 UNBANDLED BLACK TO DARK GREEN IRON-RICH BASALTIC AND
- 20 UNBANDLED BLACK TO DARK GREEN IRON-RICH BASALTIC AND
- 21 UNBANDLED BLACK TO DARK GREEN IRON-RICH BASALTIC AND
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- 24 UNBANDLED BLACK TO DARK GREEN IRON-RICH BASALTIC AND
- 25 UNBANDLED BLACK TO DARK GREEN IRON-RICH BASALTIC AND
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- 29 UNBANDLED BLACK TO DARK GREEN IRON-RICH BASALTIC AND
- 30 UNBANDLED BLACK TO DARK GREEN IRON-RICH BASALTIC AND
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- 32 UNBANDLED BLACK TO DARK GREEN IRON-RICH BASALTIC AND

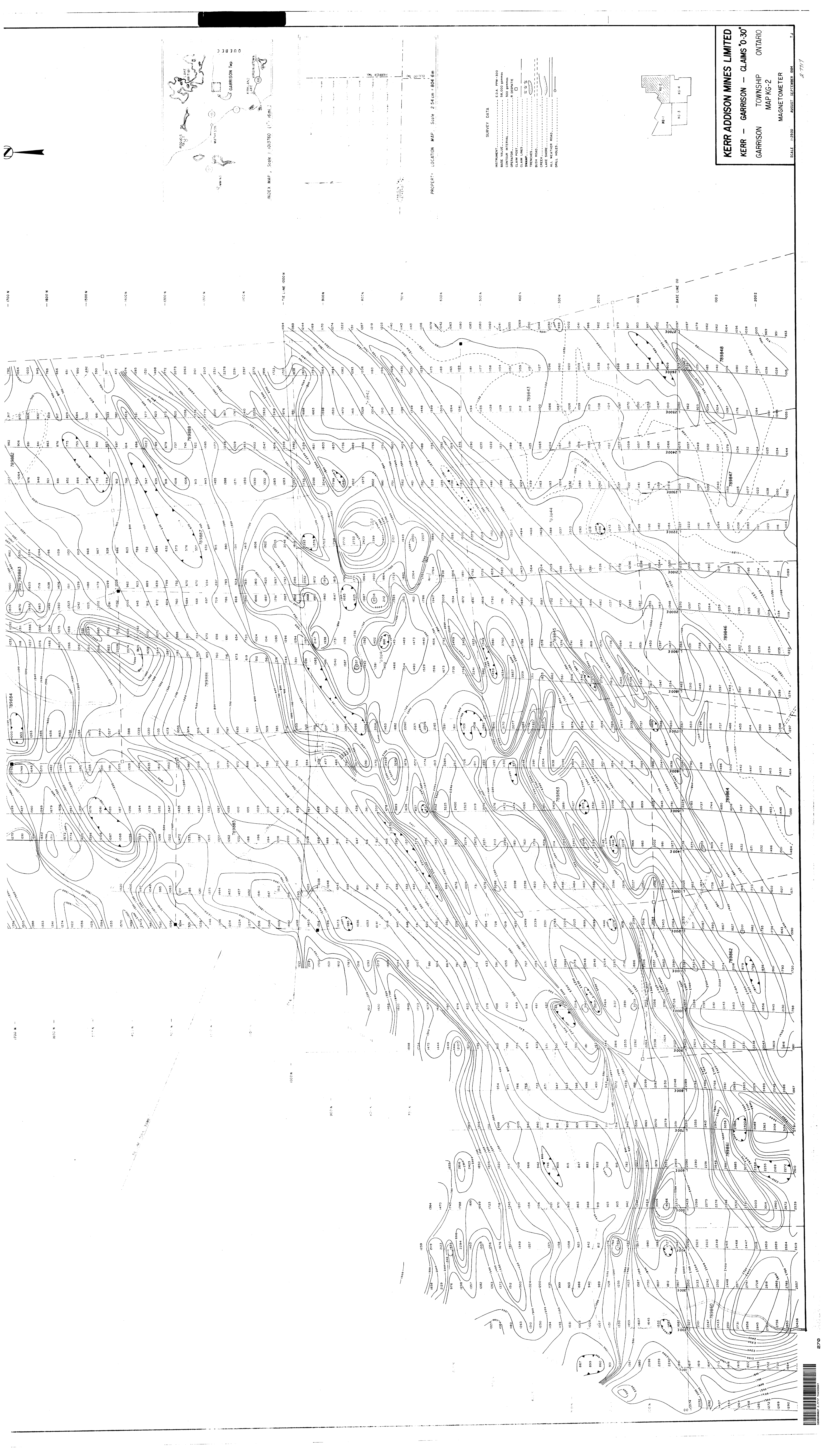


KERR ADDISON MINES LIMITED
 KERR — GARRISON — CLAIMS '0-30'
 THACKERAY TOWNSHIP ONTARIO
 MAP KG-4
 GEOLOGY
 SCALE 1:2500 JULY/AUGUST 1984



200

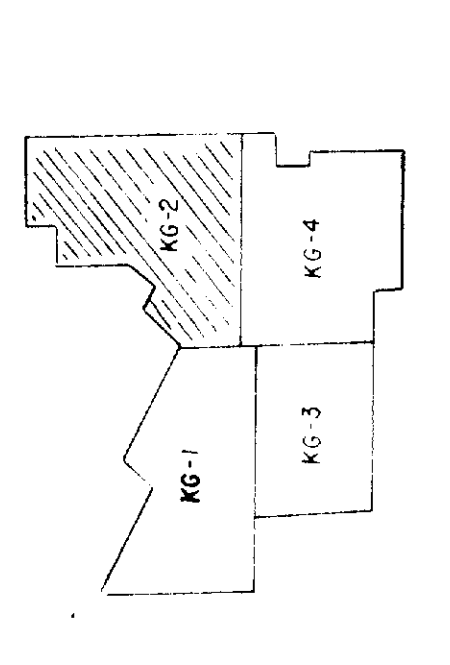
3-7717



KERR ADDISON MINES LIMITED
KERR - GARRISON - CLAIMS '0-30'
GARRISON TOWNSHIP ONTARIO
MAP KG-2
MAGNETOMETER
SCALE 1:25000
AUGUST - SEPTEMBER 1964

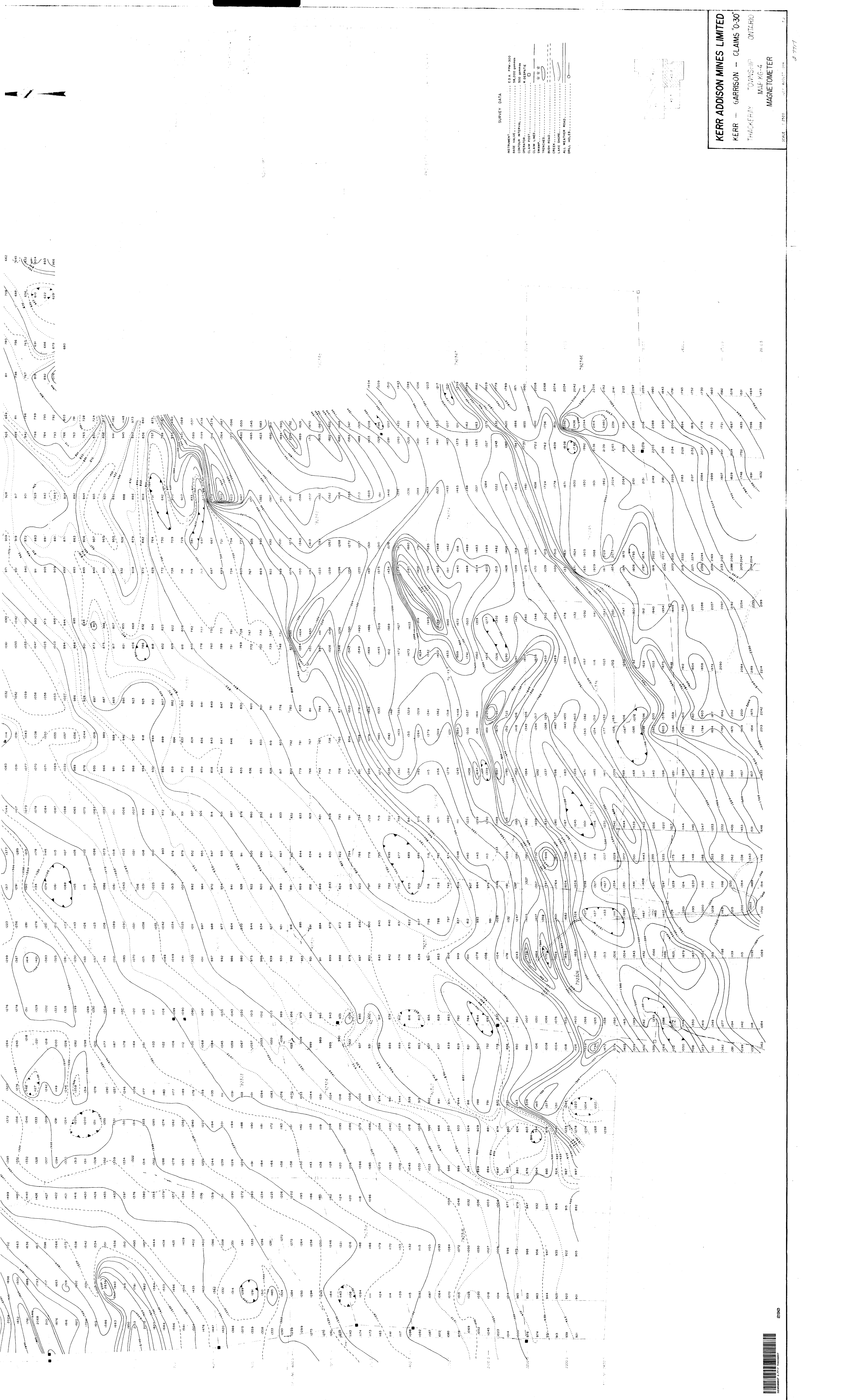
SURVEY DATA

- INSTRUMENT..... S.T.A. 1954-55
- BASE VALUE..... 36,000 grams
- CONTOUR INTERVAL..... 5000 grams
- CLAIM LINES.....
- CLAIM POST.....
- TRANCHES.....
- BUSH ROAD.....
- CREEK.....
- ALL WEATHER ROAD.....
- DRILL HOLES.....

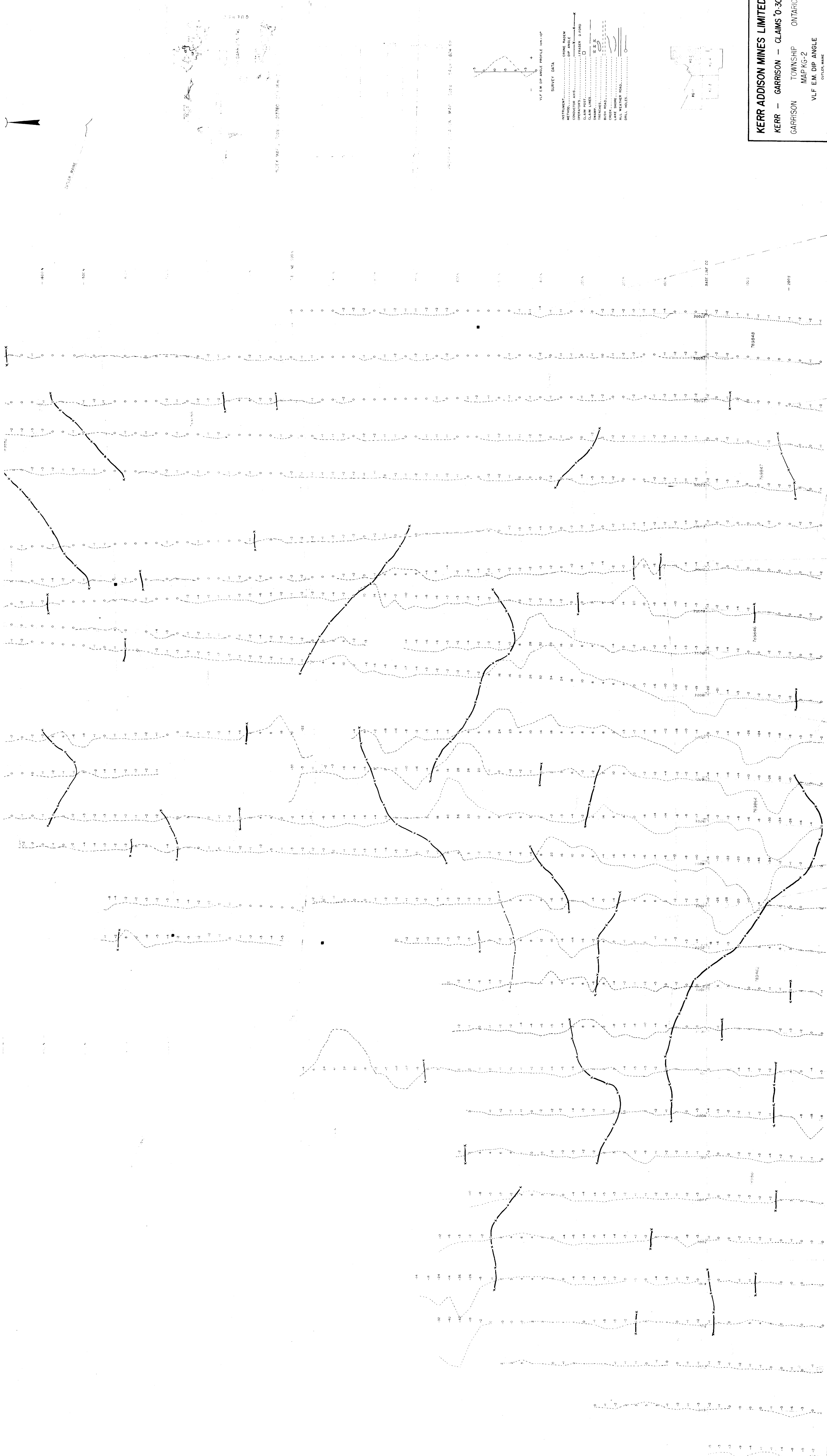


INDEX MAP, Scale 1:100,000 (1" = 16mi.)

PROPERTY LOCATION MAP, Scale 2.54cm = 804.6m



450' N
300' N
150' N
0' N
150' S
300' S
450' S



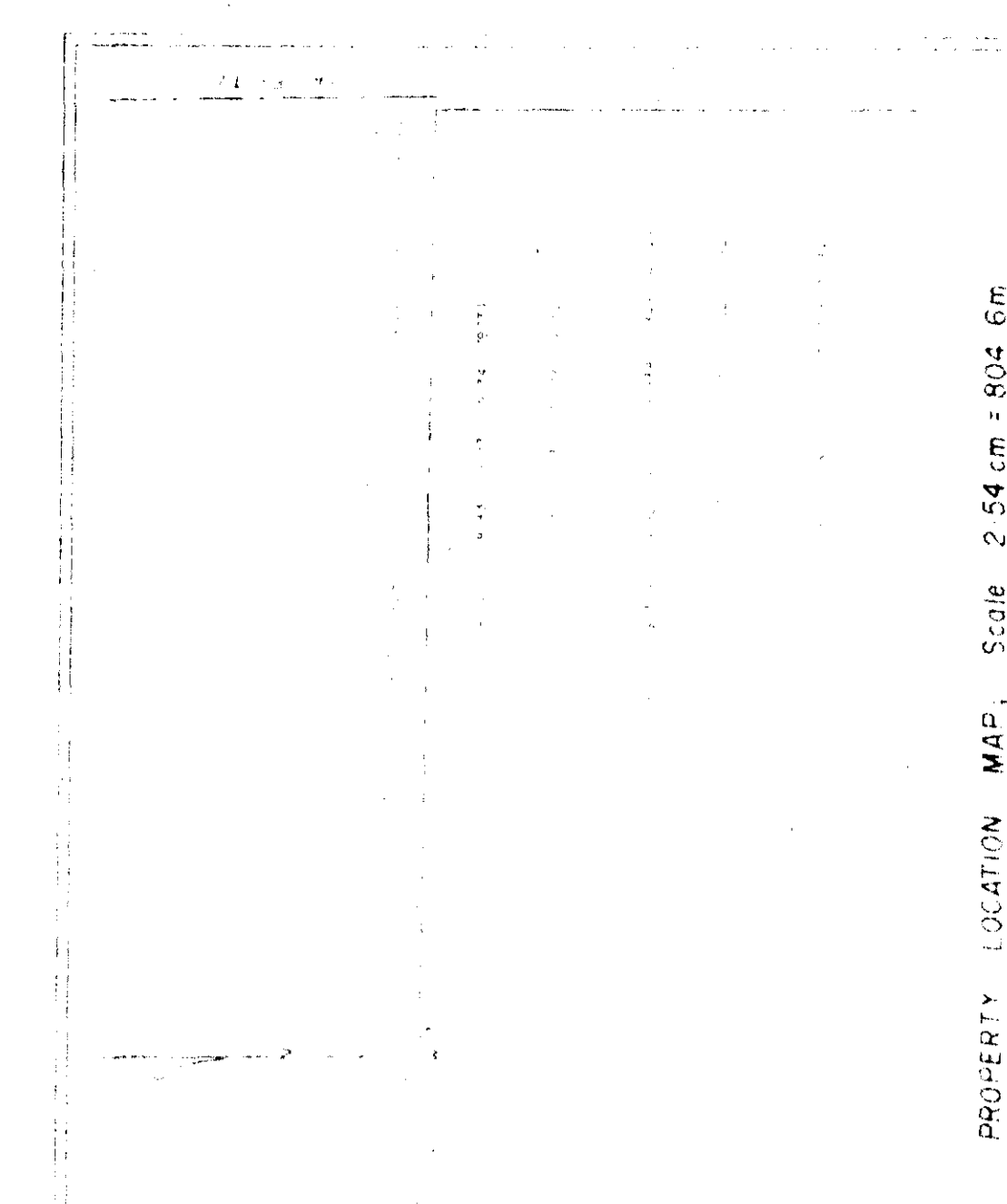
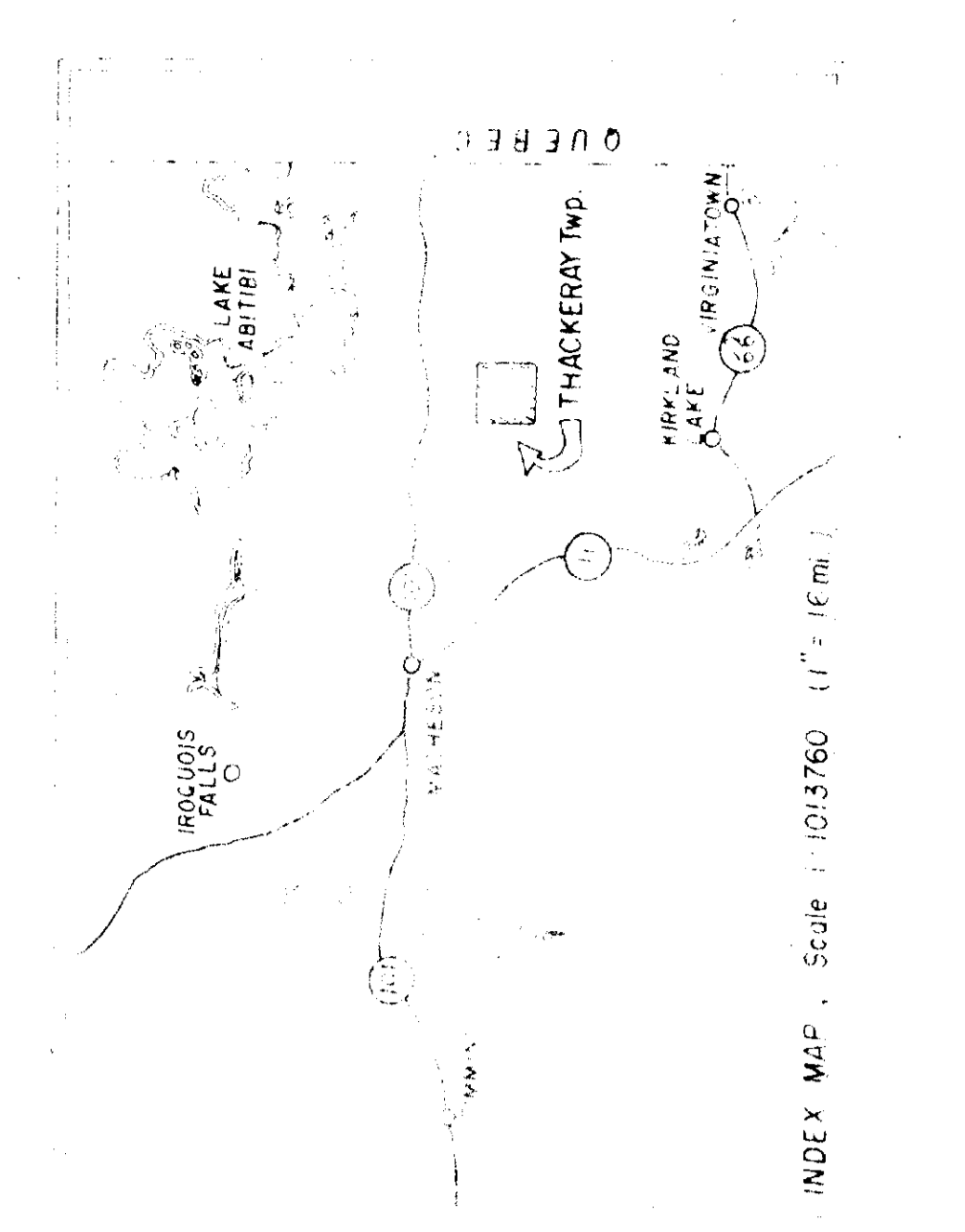
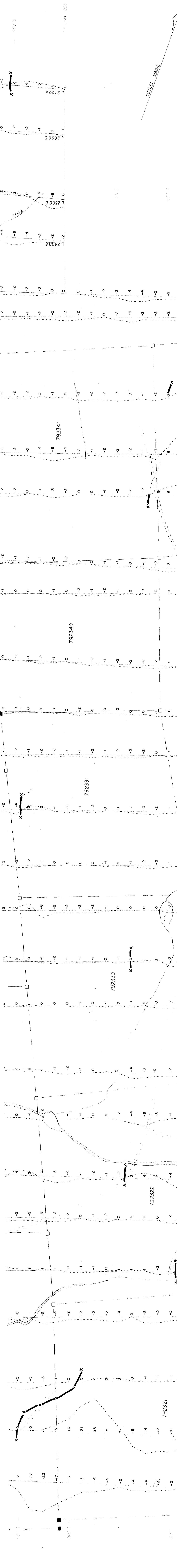
VLF EM DIP ANGLE PROFILE SURVEY

SURVEY DATA

INSTRUMENT: GEOTECH SYSTEMS
METHOD: VLF EM
CONDUCTOR: 1/2" GALV. PIPE
CLAIM POST: 1/2" GALV. PIPE
CLAIM LINE: 1/2" GALV. PIPE
TRIP: 100 M
WIND: 10-15 MPH
TEMP: 15-20 C
HUMIDITY: 60-70%
ALL WEATHER DATA
SUN: 10:00 AM
MOON: 1/4

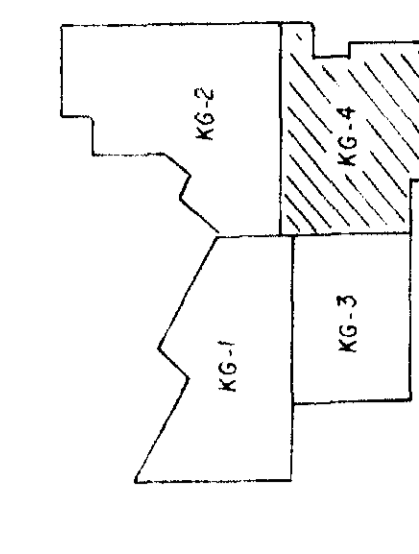
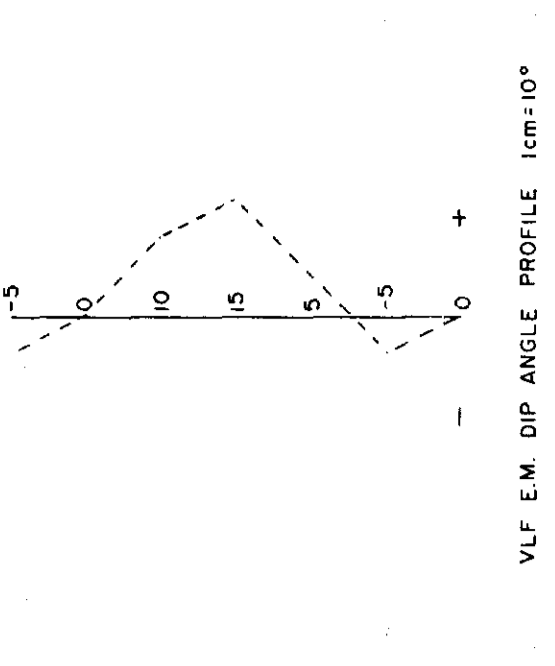
KERR ADDISON MINES LIMITED
KERR - GARRISON - CLAIMS '0-30'
GARRISON TOWNSHIP ONTARIO
MAP KG-2
VLF EM DIP ANGLE
SCALE: 1:2500
DATE: 10/15/84
BY: J. J. JONES



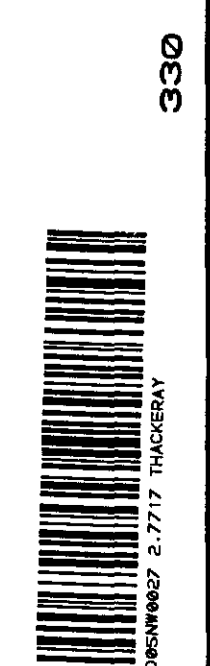
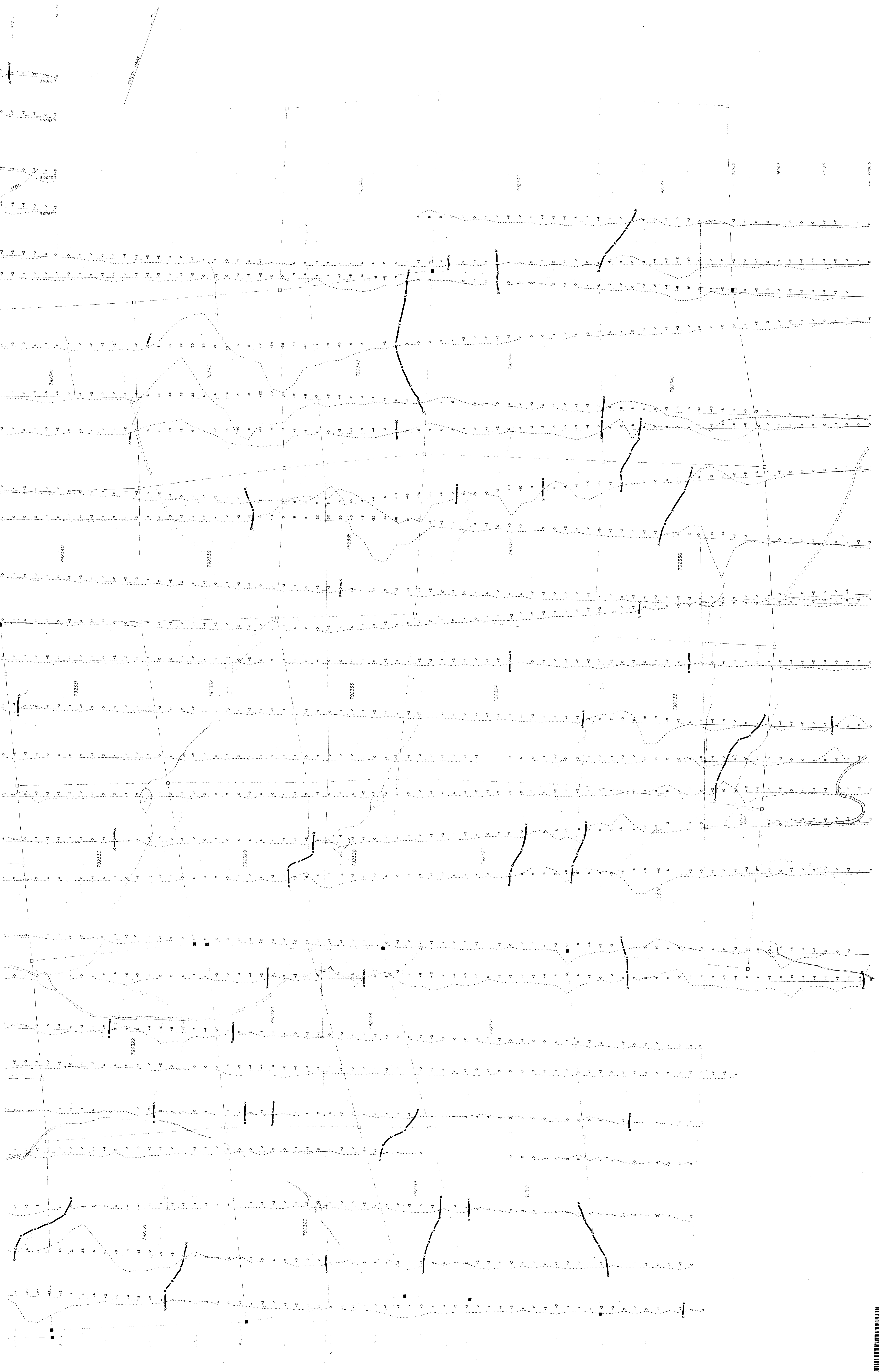


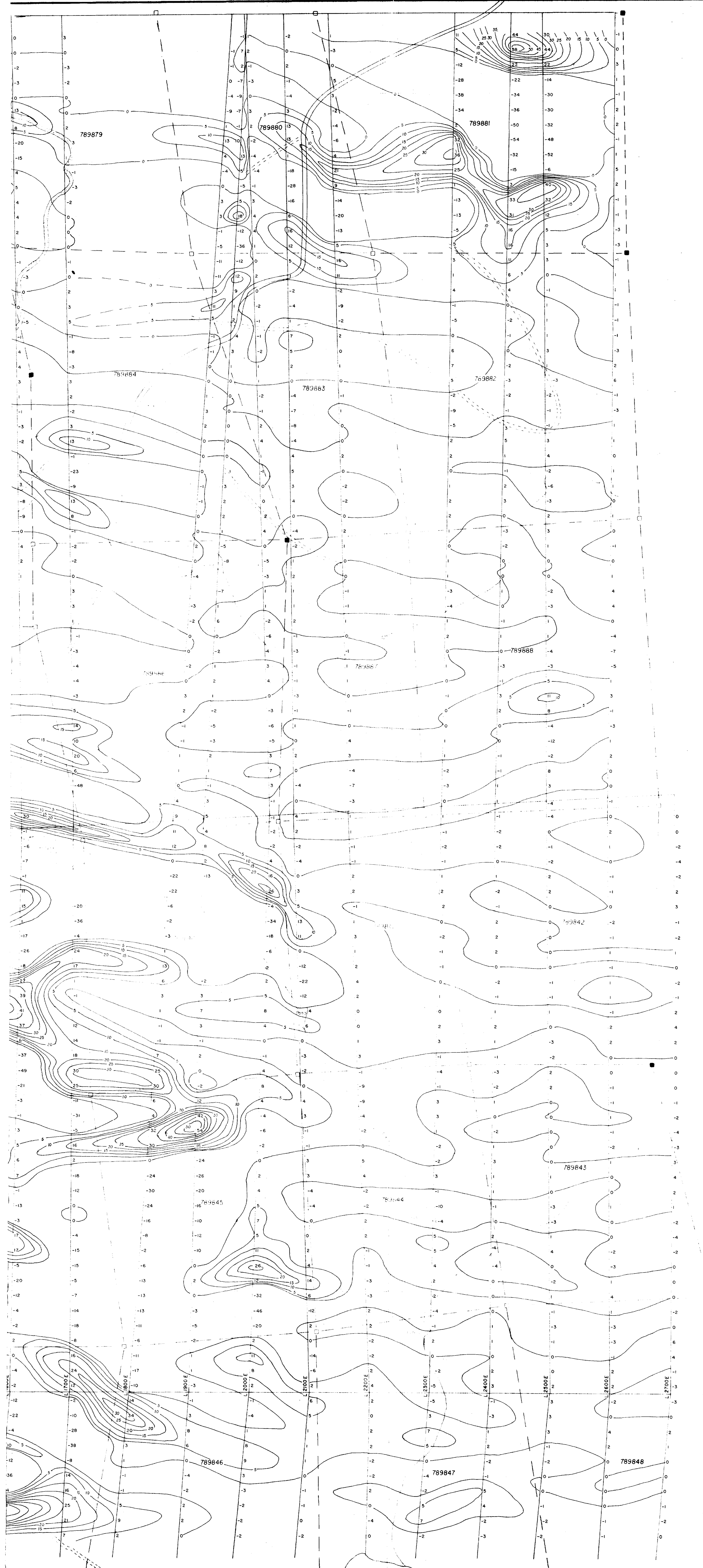
SURVEY DATA

INSTRUMENT: CERNI REDEM
 OPERATOR: J. P. FRASER
 DATE: 1972
 TRAMP: W. S. S.
 BRANCH: 100
 CREEK: 100
 LAKE: 100
 RAIL: 100

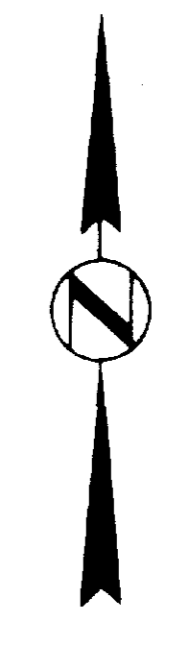


KERR ADDISON MINES LIMITED
 KERR - GARRISON - CLAIMS '0-30"
 THACKERAY TOWNSHIP ONTARIO
 MAP KC-4
 VLF EM. DIP ANGLE
 SCALE 1:2500
 DATE: JAN. 1972
 37717

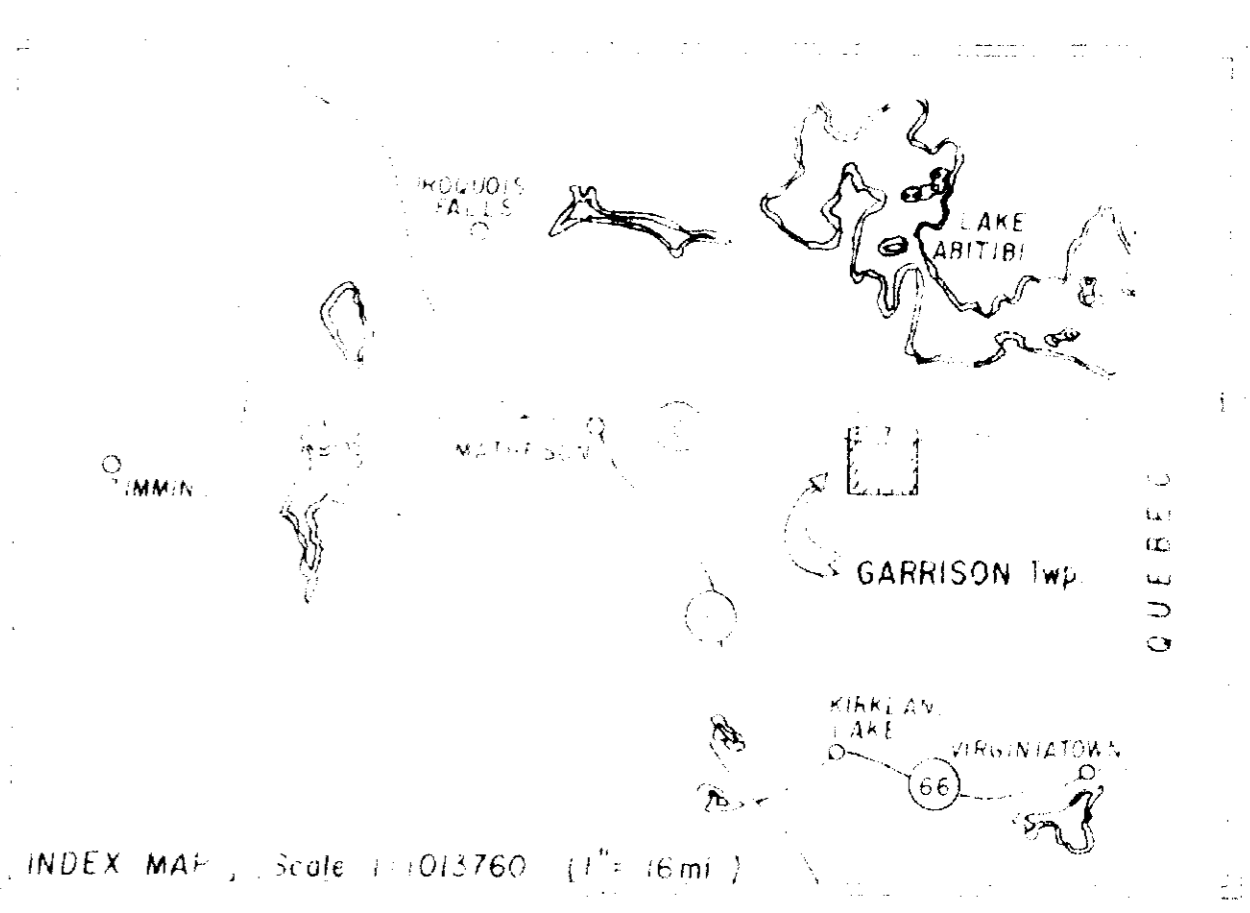




-TIE LINE 2300 N
 - 2200 N
 - 2100 N
 - 2000 N
 - 1900 N
 - 1800 N
 - 1700 N
 - 1600 N
 - 1500 N
 - 1400 N
 - 1300 N
 - 1200 N
 - 1100 N
 - 1000 N
 - 900 N
 - 800 N
 - 700 N
 - 600 N
 - 500 N
 - 400 N
 - 300 N
 - 200 N
 - 100 N
 - 0
 - 100 W
 - 200 W
 - 300 W
 - 400 W
 - 500 W
 - 600 W
 - 700 W
 - 800 W
 - 900 W
 - 1000 W
 - 1100 W
 - 1200 W
 - 1300 W
 - 1400 W
 - 1500 W
 - 1600 W
 - 1700 W
 - 1800 W
 - 1900 W
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 - 2100 W
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 - 2300 W
 - 2400 W
 - 2500 W
 - 2600 W
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 - 2800 W
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 - 8900 W
 - 9000 W
 - 9100 W
 - 9200 W
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 - 9400 W
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 - 9600 W
 - 9700 W
 - 9800 W
 - 9900 W
 - 10000 W



CUTLER MAINE

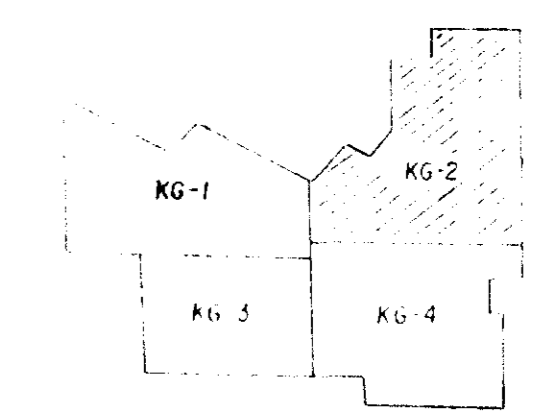


INDEX MAP, Scale 1:101,760 (1" = 16mi)

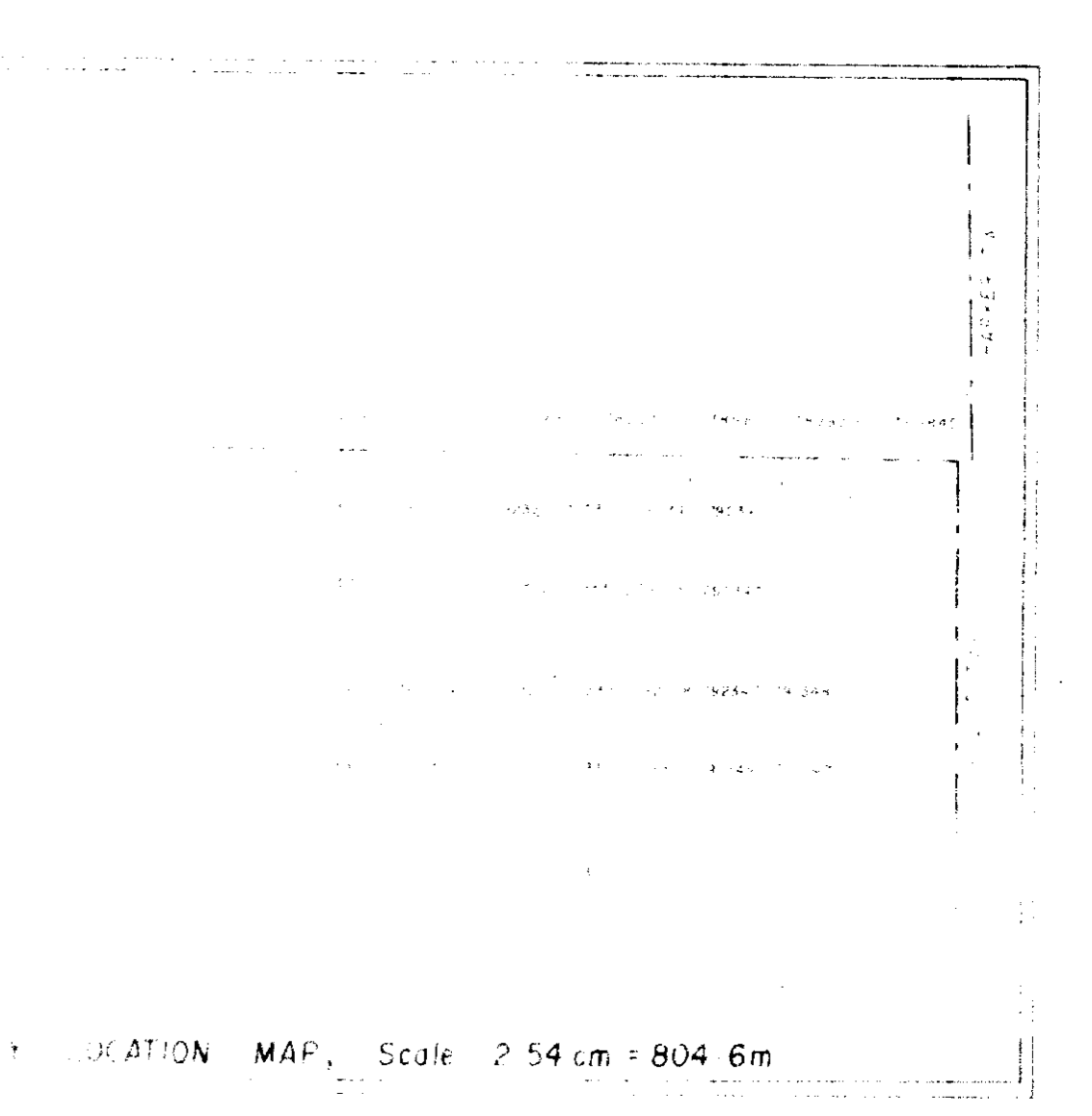
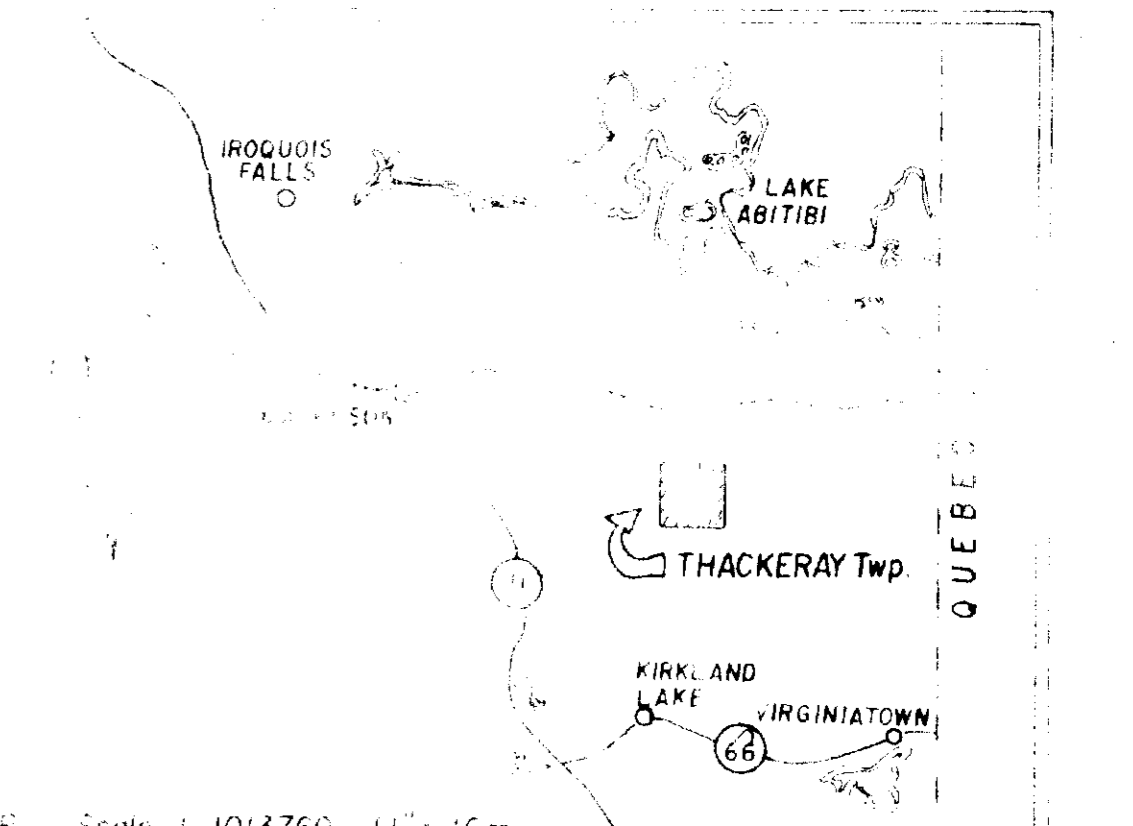
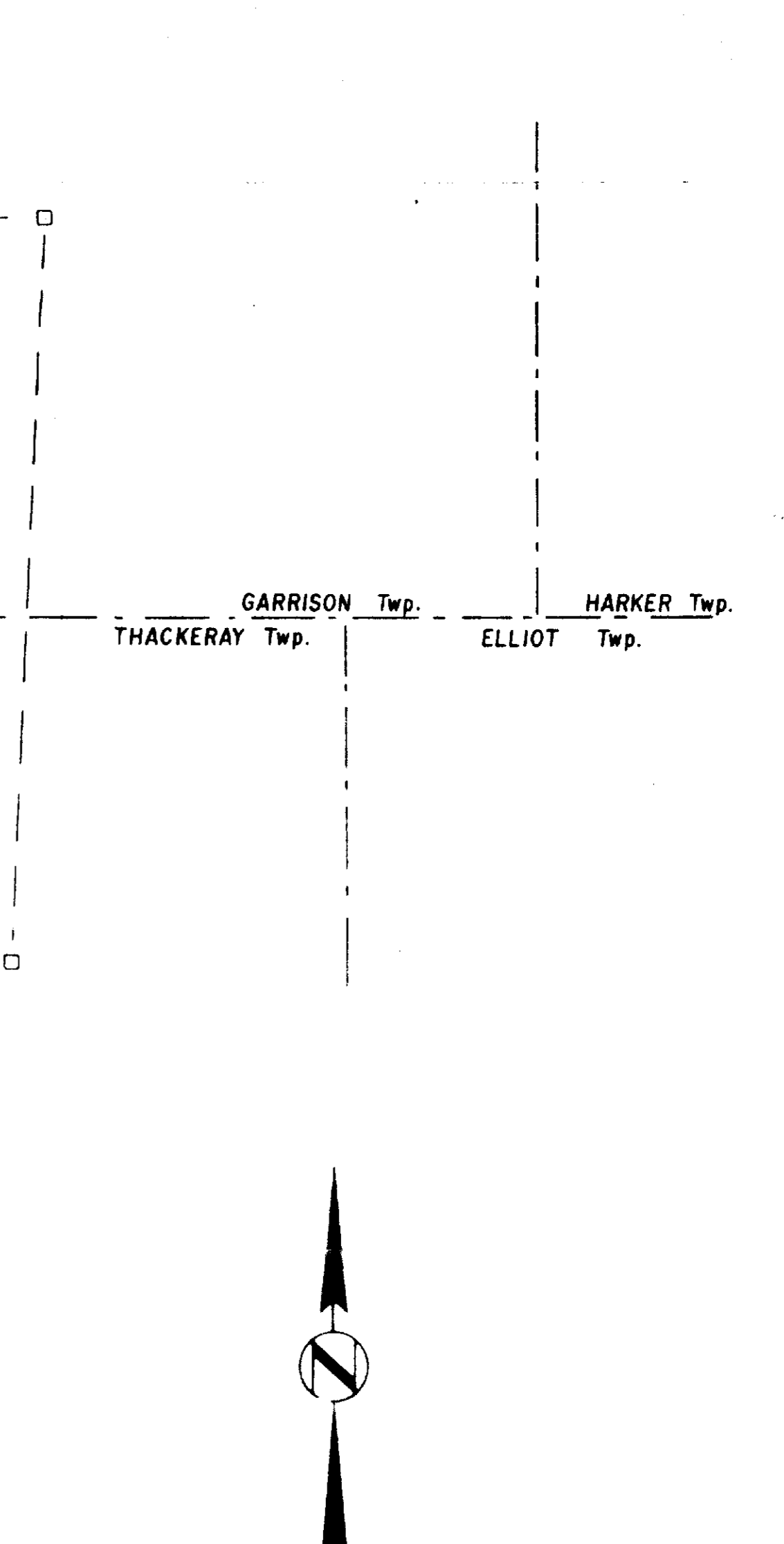
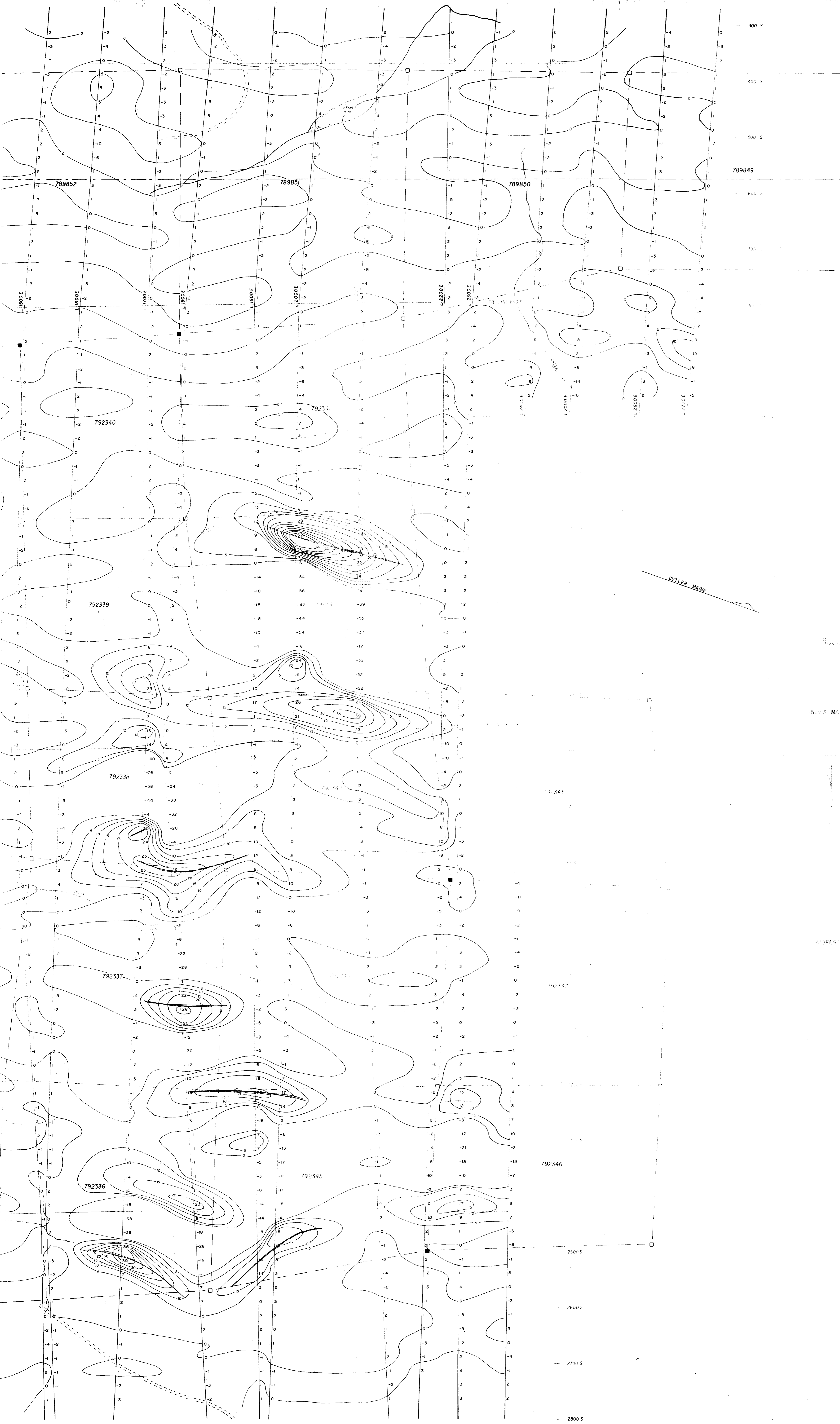
PROPERTY MAP, Scale 2.54 cm = 804.6m

SURVEY DATA

INSTRUMENT.....	CRONE RADEM VLF
TRANSMITTER STATION.....	CUTLER, MAINE
METHOD.....	FRASER, FILTER
CONTOUR INTERVAL.....	5 UNITS
OPERATORS.....	FRASER D.FORD
CLAIM POST.....	
CLAIM LINES.....	
SWAMP.....	
TRENCHES.....	
BUSH ROAD.....	
CREEK.....	
LAKE SHORE.....	
ALL WEATHER ROAD.....	
DRILL HOLES.....	

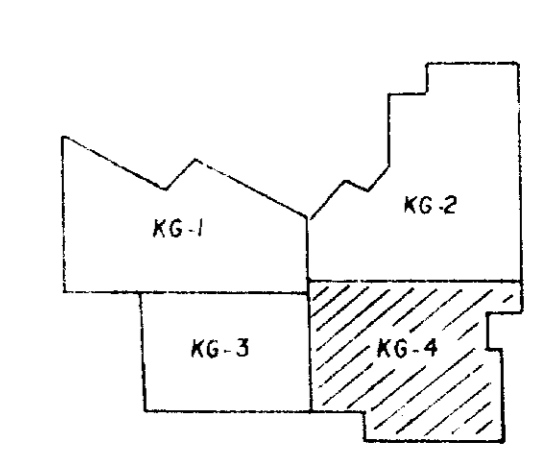


KERR ADDISON MINES LIMITED
 KERR - GARRISON - CLAIMS "0-30"
 GARRISON TOWNSHIP ONTARIO
 MAP KG-2
 VLF E.M. FRASER FILTER
 CUTLER, MAINE
 SCALE 1:2500 AUGUST, SEPTEMBER 1984



SURVEY DATA

INSTRUMENT	CRONE RADEM VLF
TRANSMITTER STATION	CUTLER, MAINE
METHOD	FRASER FILTER
CONTOUR INTERVAL	5 UNITS
OPERATORS	I. FRASER D. FORD
CLAIM POST	□
CLAIM LINES	—
SWAMP	~ ~ ~
TRENCHES	— — —
BUSH ROAD	- - - - -
CREEK	~~~~~
LAKE SHORE	— — —
ALL WEATHER ROAD	====
DRILL HOLES	○



KERR ADDISON MINES LIMITED
 KERR — GARRISON — CLAIMS '0-30'
 THACKERAY TOWNSHIP ONTARIO
 MAP KG-4
 VLF E.M. FRASER FILTER
 CUTLER, MAINE
 SCALE 1:2500 JULY/AUGUST 1984 T.J.