



32D04SE0388 2.2787 SKEAD

010

REPORT ON VLF-EM SURVEYS

SKEAD TOWNSHIP, OntarioIntroduction

A VLF-EM survey was carried out in two areas in Skead Township. The results are shown on the enclosed plans.

Location, Access and Ownership

The claims covered by the survey are located in lots 5 and 7 Concession 6 and lots 8 and 9 Concession 5 Skead township. The claims are numbered L 442035 - 442036; L 442041 - 442043; L 442062 - 442064 inclusive and L 442054. They are recorded in the name of R. A. MacGregor, 134 Palace Drive, Sault Ste. Marie, Ontario.

Access can be had from Highway 624 about 7 miles south of Larder Lake, Ontario and from old logging roads leading from the highway.

Previous Exploration

There is little to be seen of previous exploration in the area. A few old pits for which no records are available occur on claim L 442035. Linecutting, with magnetometer and EM surveys have previously been carried out; however the lines are now largely overgrown.

Geology

The property is underlain by a volcanic sequence of rocks cut by Algonian felsic intrusives, and overlain by Temiskaming sediments.

Survey Procedure

A VLF-EM survey was carried out using a Crone Radem instrument set to the signal from Annapolis, Maryland (21.4 KHz). Readings were taken at 100 foot intervals using the procedure outlined in Appendix 1. The looping method was used for control of variation, the same as described for the magnetometer survey excepting that the time was noted for each station. An attempt was made to follow the previously cut lines, however these are largely overgrown. Pace and compass was used where old lines were not visible.

Conclusions

A strong anomaly is noted crossing Claim L 442036 in a north-westerly direction. This may be a fault. A number of other weaker crossovers are noted in areas of muskeg or gravel overburden and may be due to topographic effects.

Respectfully submitted



R.A. MacGregor, P. Eng.

September 1, 1978

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations 509 Number of Readings 509
Station interval 100 ft Line spacing 400 ft
Profile scale 1" = 40'
Contour interval

MAGNETIC

Instrument
Accuracy - Scale constant
Diurnal correction method
Base Station check-in interval (hours)
Base Station location and value

ELECTROMAGNETIC

Instrument Crons Radem
Coil configuration N/A
Coil separation N/A
Accuracy +/- 1/2 degree
Method: [x] Fixed transmitter [] Shoot back [] In line [] Parallel line
Frequency Annapolis, Maryland (21.4 kHz) (specify VLF station)
Parameters measured Dip angle of the resultant field

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

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

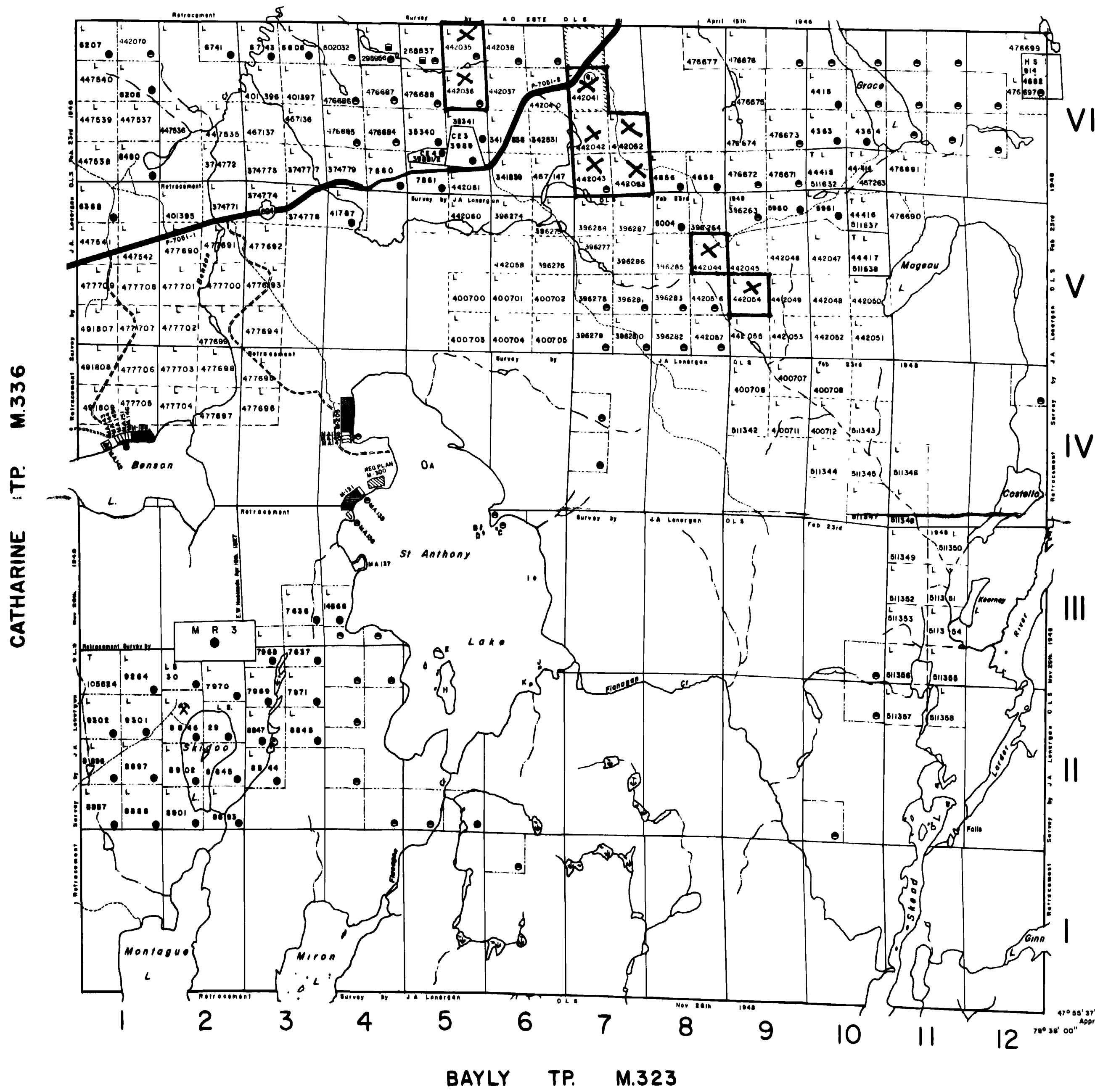
All unpatented mining claims accepted subject to survey, Section 118 of the Mining Act (R.S.O. 1970)

SAND and GRAVEL

① MTC PIT No 1230

DATE OF ISSUE
SEP 16 1978
SURVEYS AND MAPPING
BRANCH

HEARST TP. M.354



CATHARINE TP. M.336

RATTRAY TP. M.384

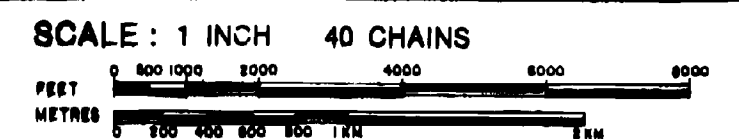
BAYLY TP. M.323

LEGEND

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

DISPOSITION OF CROWN LANDS

- | TYPE OF DOCUMENT | SYMBOL |
|---------------------------------|--------|
| PATENT, SURFACE & MINING RIGHTS | |
| " SURFACE RIGHTS ONLY | |
| " MINING RIGHTS ONLY | |
| LEASE, SURFACE & MINING RIGHTS | |
| " SURFACE RIGHTS ONLY | |
| " MINING RIGHTS ONLY | |
| LICENCE OF OCCUPATION | |
| CROWN LAND SALE | |
| ORDER-IN-COUNCIL | |
| RESERVATION | |
| CANCELLED | |
| SAND & GRAVEL | |

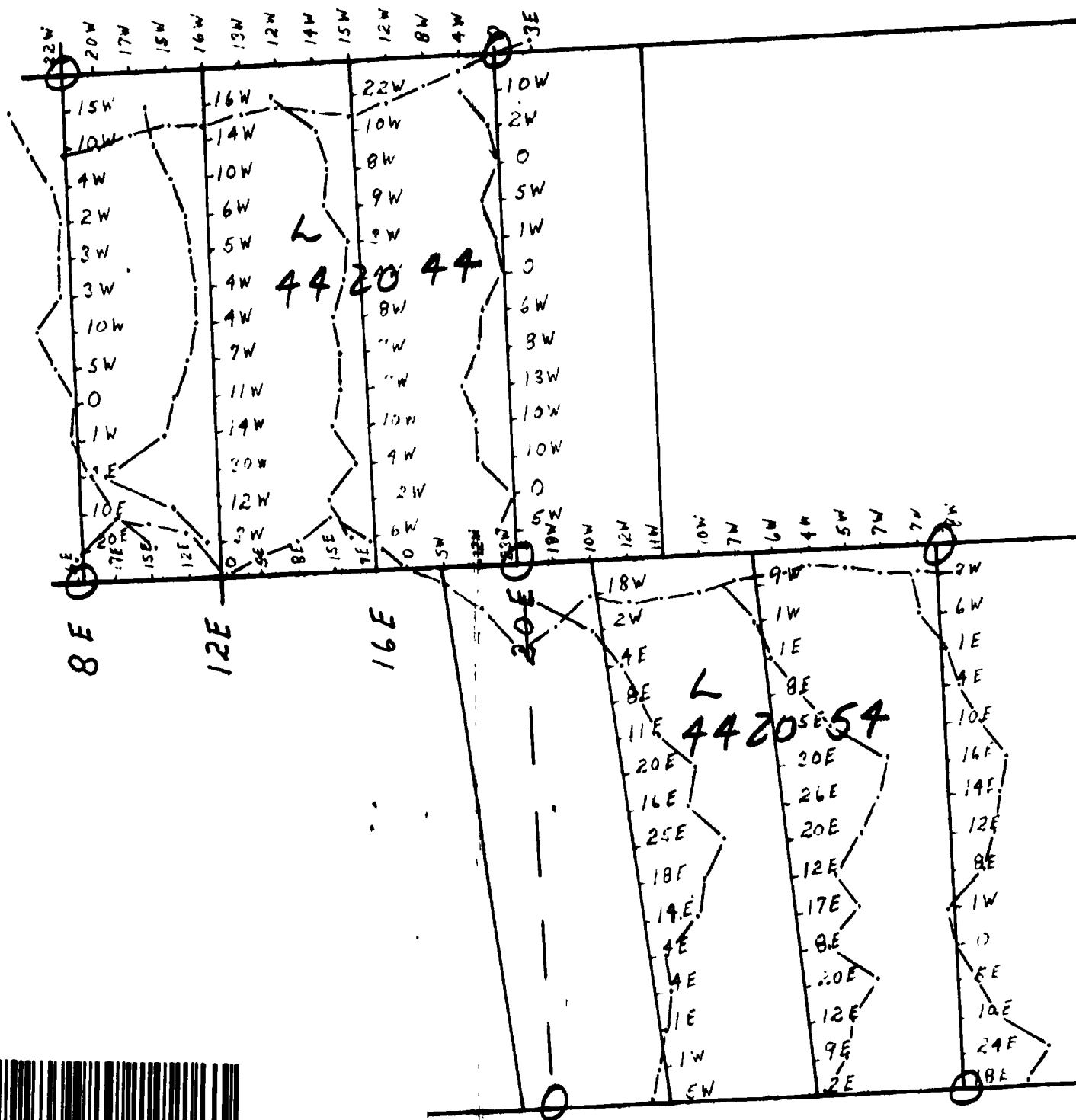


ACRES	HECTARES
40	16

TOWNSHIP *2275*
SKEAD
DISTRICT
TIMISKAMING
MINING DIVISION
LARDER LAKE

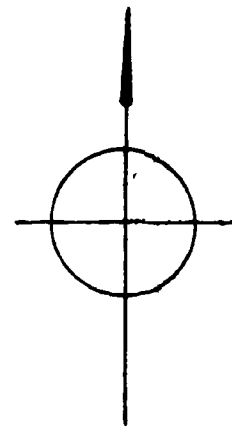
Ministry of Natural Resources
Ontario Surveys and Mapping Branch
Date 10/4/74 Plan No
Whitney Block Queen's Park, Toronto
M.387





B.L. 'A'

VLF-EM SURVEY
 LOTS 8&9 CONCESSION 8
 SKEAD TOWNSHIP
 Scale: 1" = 400'



Tie Line

INSTRUMENT: CRONE RADEN
 STATION: ANNAPOLIS, MARYLAND (21.4 KHz)
 SCALE: 1" = 40'



B.L. 'C'



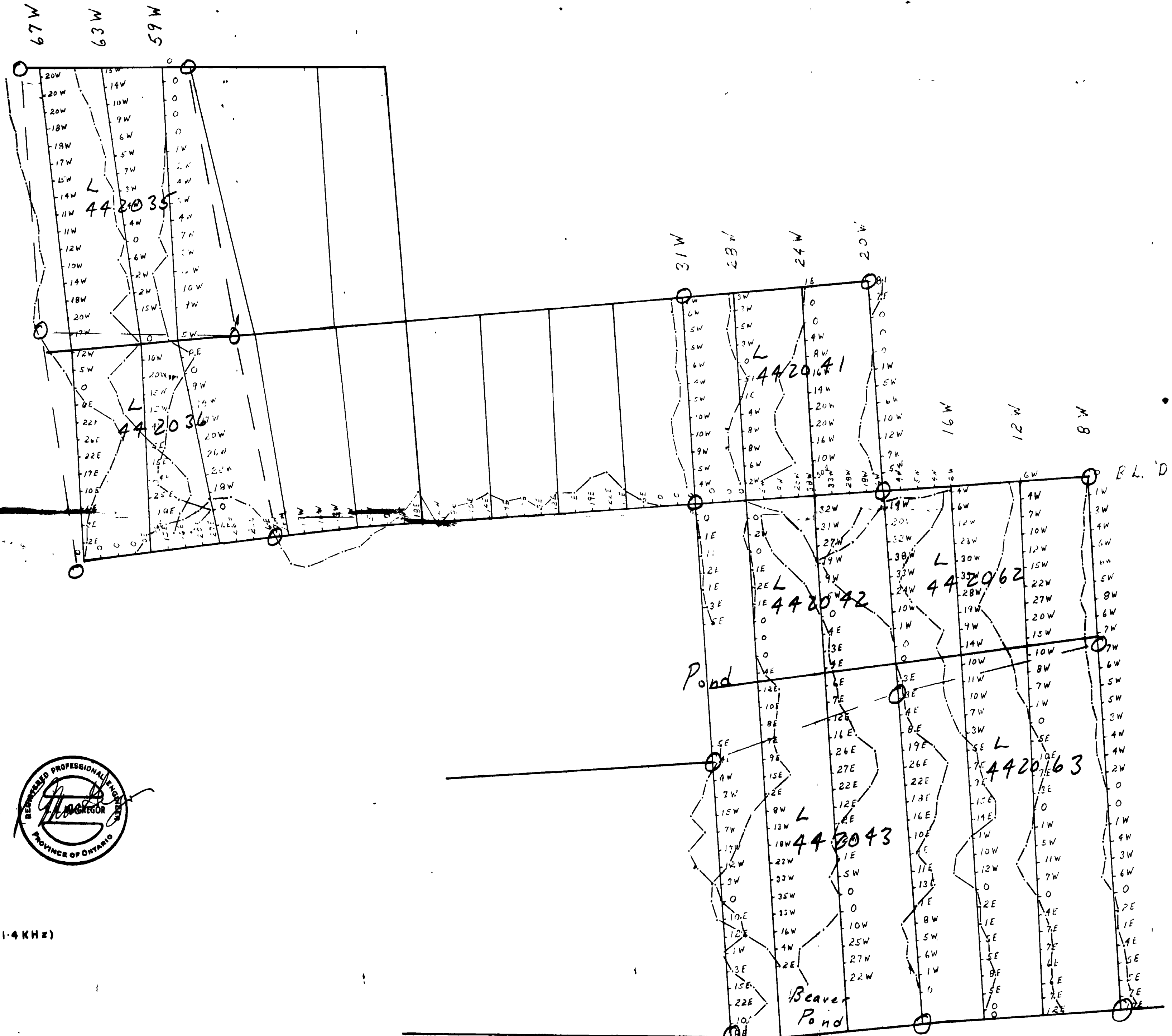
330948E0388 2.2787 SKEAD

210

Lot 8

Lot 9

2.2787



VLF-EM SURVEY
 LOTS 5&7 CONCESSION 6
 SKEAD TOWNSHIP
 Scale 1" = 400'



INSTRUMENT: CRONE RADEM
 STATION: ANNAPOLIS, MARYLAND (21.4 KHZ)
 SCALE: 1" = 40'

