



32064SE0385 2.2956 SKEAD

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REPORT ON VLF-EM SURVEYS

RECEIVED

LOTS 10 AND 11 CONCESSIONS 5 AND 6

MAY 10 1970

SKEAD TOWNSHIP, ONTARIO

MINING LANDS SECTION

INTRODUCTION

Linecutting followed by VLF-EM surveys were carried out 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 10 and 11 Concessions 5 and 6 Skead Township, Ontario. They are numbered L467263; L467690-467691; L511632; L511637-511638 and L512352. They are recorded in the names of R.A. MacGregor, 134 Palace Drive, Sault Ste. Marie, Ontario; D. Lacasse and L. Lacasse, Larder Lake, Ontario.

Access is by an old logging road running from Highway 624 about 7 miles south of Larder Lake, Ontario to the central part of the claim block.

PREVIOUS EXPLORATION

The claims have been explored in the past for gold. A shaft reported to be 500 feet deep with some drifting on the 112' level is on claim L467263. This work was done during the 1920's. A number of other old pits and trenches may be seen about the claims. There is little information now available on this past work. More recently some stripping and a few short diamond drill holes were put down in the vicinity of the shaft during the early 1960's.

GEOLOGY

The property is underlain by a volcanic sequence of rocks intruded by a 400 foot wide Algomian felsic intrusive body trending northwest-southeast across the claims. Quartz veins carrying gold occur in the felsic intrusive near its contact with the volcanics. Sulphides have also been noted in the volcanics.

SURVEY PROCEDURE

A VLF-EM survey was carried out using a Crone Radem instrument set to the signal from Cutler, Maine (17.8 KHz) to check for east-west conductors. This was followed by a second survey using the Annapolis, Maryland (21.4 KHz) station to check for north-south conductors. Readings were taken at 100 foot intervals using the procedure outlined in Appendix 1.

SURVEY PROCEDURE (Continued)

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.

CONCLUSIONS

A fairly strong northwest-southeast trending anomaly which appears to split into 2 parallel anomalies to the south occurs some 700 feet east of the shaft. The anomaly was picked up by both surveys, but appears strongest using the Annapolis station. The anomaly should be further checked by a search for sulphides along its length.

A second anomaly occurs near the west boundary in the south central part of the claims and should also be checked on the ground.

Both anomalies appear to parallel the felsic intrusive a few hundred feet from its margin. They are worth checking for base metal sulphides.

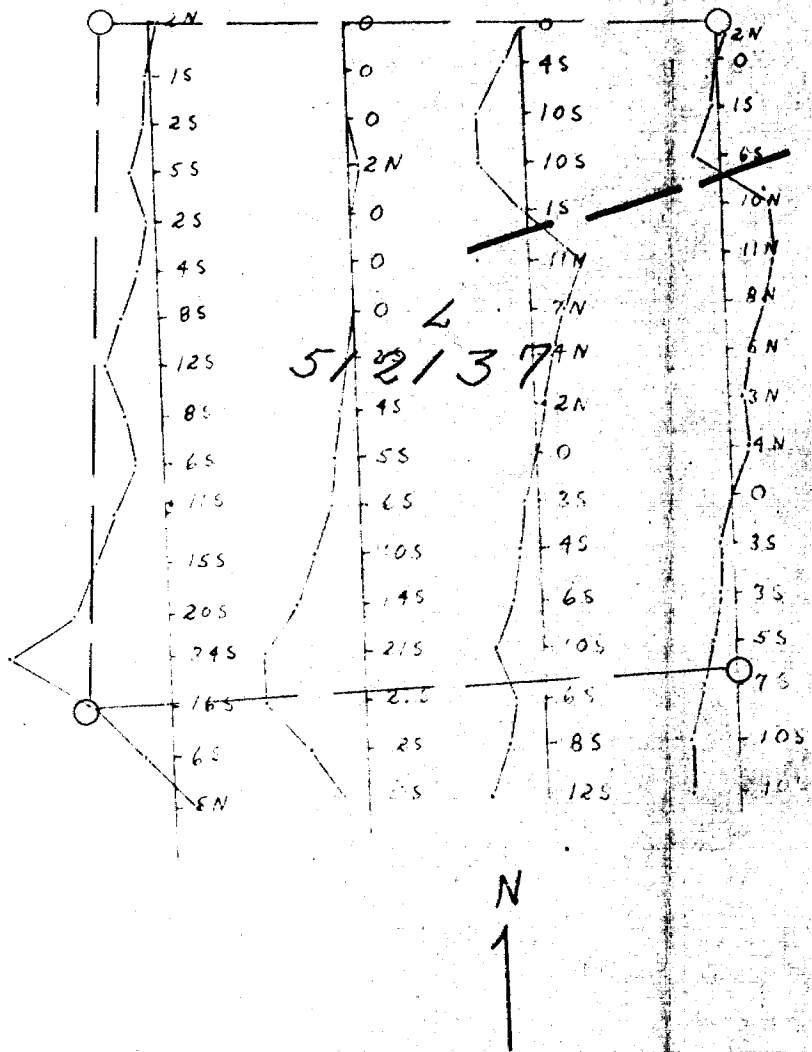
Respectfully submitted



February 12, 1979

R.A. MacGregor, P. Eng.

* Qualification # 2.1102
✓ in this file



VLF-EM SURVEY

L 512137

SKEAD TOWNSHIP

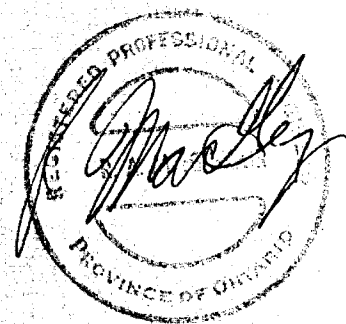
ONTARIO

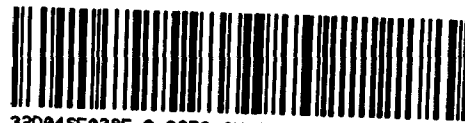
Scale 1" = 400'

Instrument - Crone Radem

Station - Cutler, Maine 17.8KHz

Scale 1" = 40'





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, 6 and 7 Concession 6 and Lots 8 and 9 Concession 5 Skead Township. The claims are numbered L442035 to 442038; L442040 to 442044; L442062 to 442063 inclusive; L442054 and L512137. 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 L442035. Linecutting, with magnetometer and EM surveys have been previously carried out; however the lines are now largely overgrown.

GEOLOGY

The property is underlain by volcanic sequence of rocks cut by Algomian 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 (21.4KHz). One claim was also covered with the instrument set to the signal from Cutler, Maine (17.8 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 there are largely overgrown. Pace and compass was used where old lines were not visible. These lines were subsequently recut and part of the survey followed the recut lines.

CONCLUSIONS

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

Respectfully submitted

A handwritten signature in cursive script, appearing to read 'R. MacGregor', written in black ink.

March 26, 1979

R.A. MacGregor, P. Eng.

NOTES

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

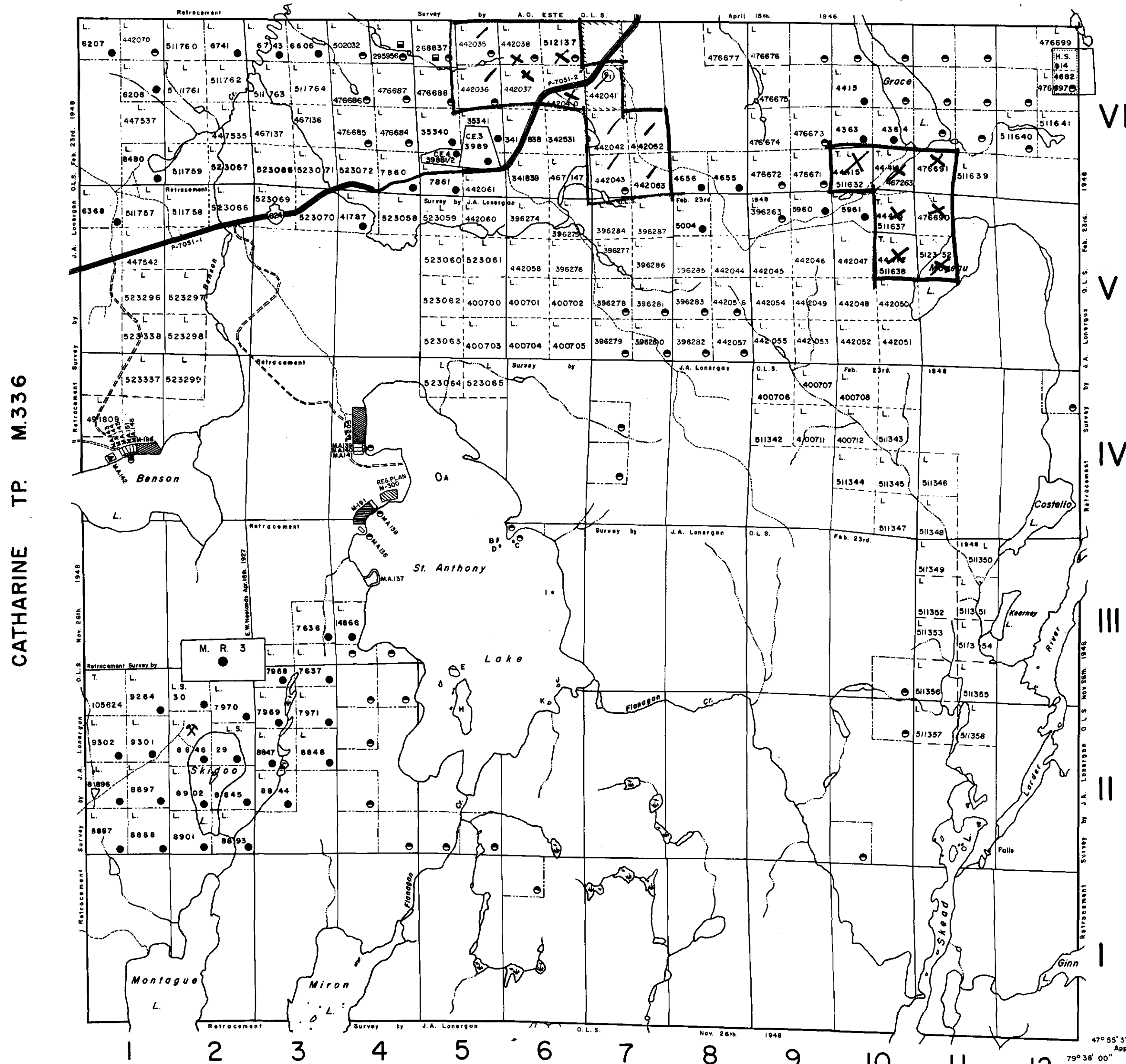
All unpatented mining claims accepted subject to survey, Section 118 of the Mining Act (R.S.O. 1970).

SAND and GRAVEL

M.T.C. PIT No. 1230

DATE OF ISSUE
MAY 22 1979
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	C.S.
ORDER-IN-COUNCIL	OC
RESERVATION	
CANCELLED	
SAND & GRAVEL	

SCALE: 1 INCH = 40 CHAINS



ACRES	HECTARES
40	16

TOWNSHIP 2.2956

SKEAD

DISTRICT
TIMISKAMING
MINING DIVISION
LARDER LAKE

Ministry of Natural Resources

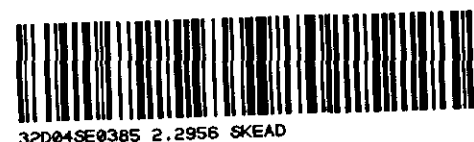
Ontario Surveys and Mapping Branch

Date 10/4/74

Plan No.

Whitney Block
Queen's Park, Toronto

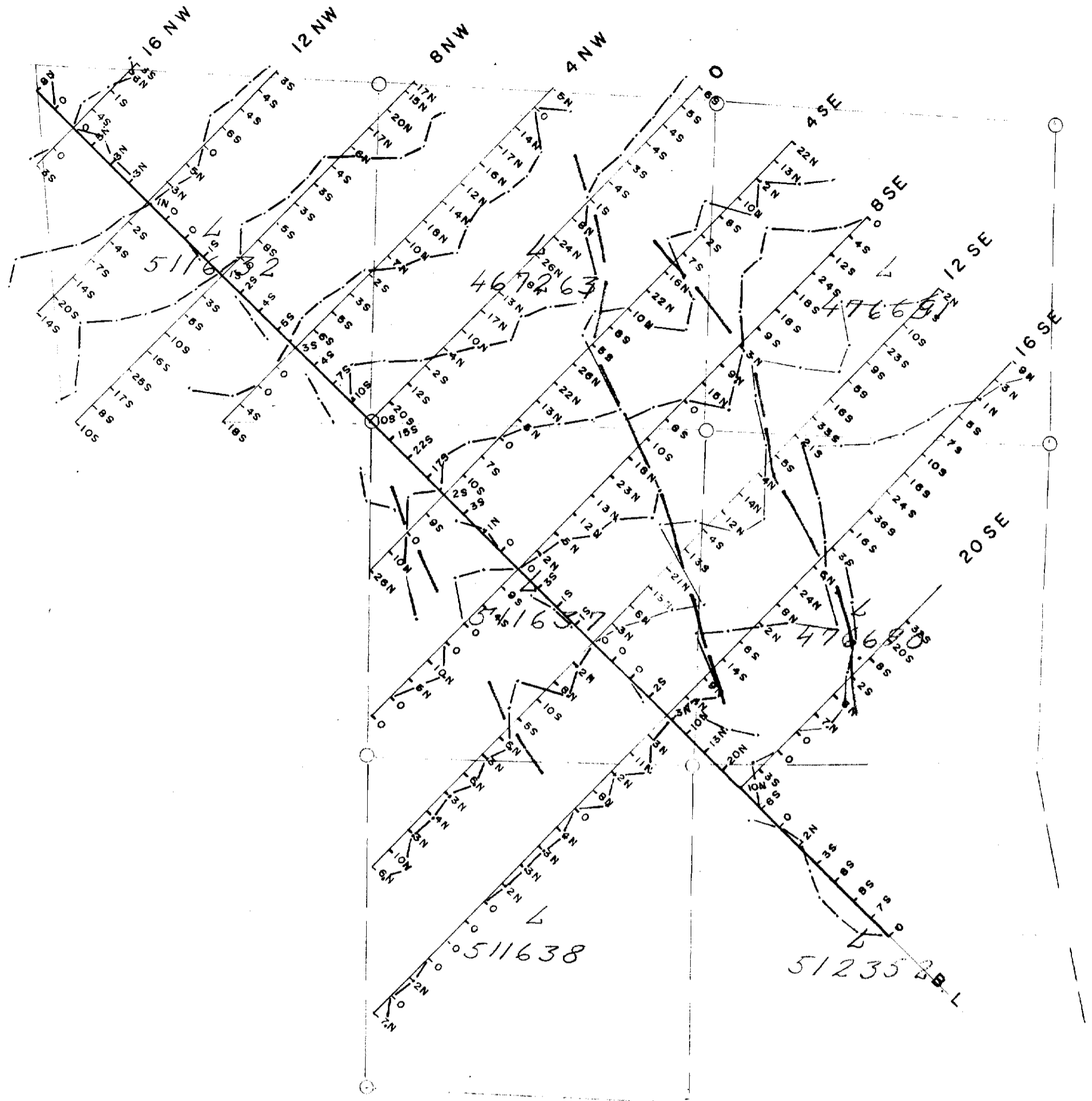
M.387



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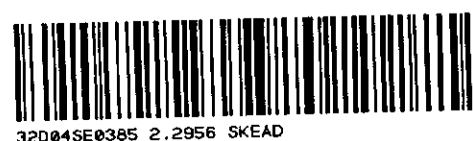
A.T.V.

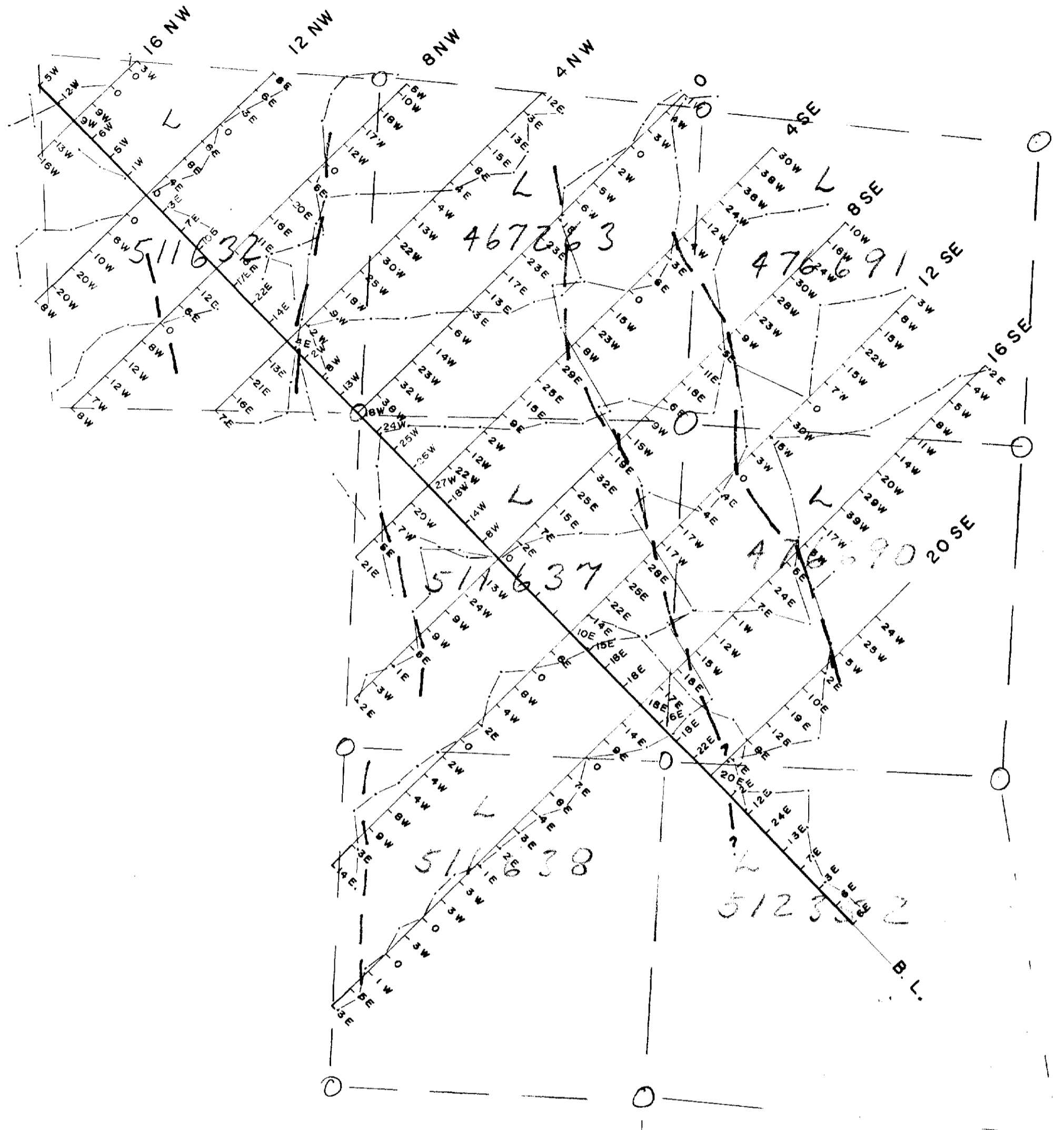


VLF-EM SURVEY
 LOTS 10 & 11 CONCESSION 5 & 6

SKEAD TOWNSHIP
 Scale: 1" = 400'

INSTRUMENT: CRONE RADEM
 STATION: CUTLER, MAINE 17.8 KHz
 SCALE: 1" = 40'



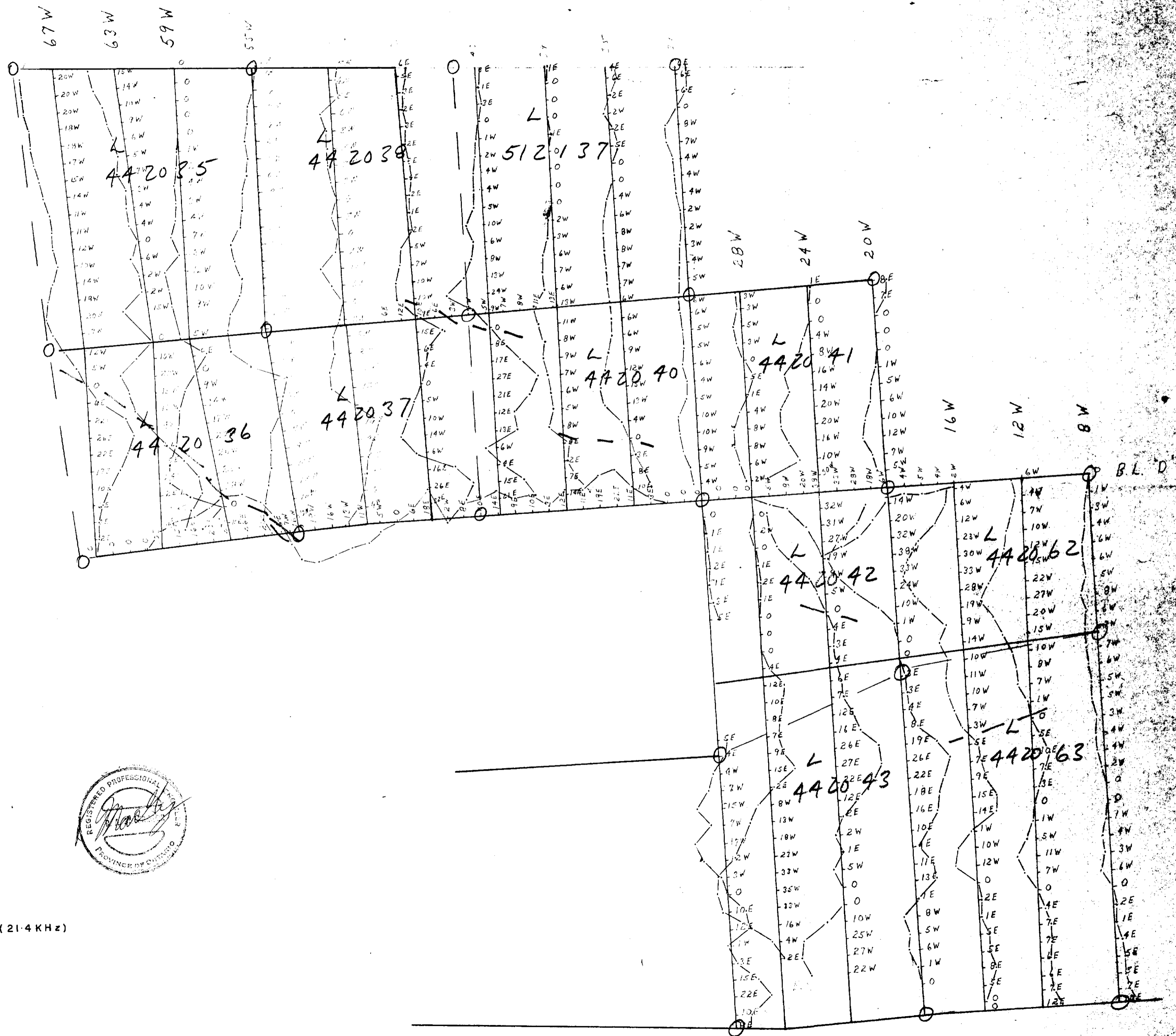


VLF-EM SURVEY
 LOTS 10&11 CONCESSION 5 & 6
 SKEAD TOWNSHIP
 Scale 1"=400'

INSTRUMENT: CRONE RADEM
 STATION: ANNAPOLIS, MARYLAND (21.4 KHZ)
 SCALE: 1"=400'



32045E0305 2.2956 SKEAD



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



INSTRUMENT: CRONE RADEM
 STATION: ANNAPOLIS, MARYLAND (21.4 KHz)
 SCALE: 1" = 400'



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