



42A12SE0427 63.2643 GODFREY

010



1705 VICTORY BUILDING

80 RICHMOND ST. WEST

*The Prospect of Today  
is the Mine of To-morrow*

TORONTO 1, ONTARIO

**REPORT FOR MESPI MINES LTD. COVERING AN ELECTROMAGNETIC  
SURVEY OVER THEIR GODFREY TOWNSHIP CLAIM GROUP, PORCUPINE  
MINING DIVISION, ONTARIO.**

**LOCATION & ACCESS:**

The claim group consists of 12 contiguous claims No. P-101113 to P-101116 and P-101154 to P-101161, inclusive, located between lots 10 and 12, Concession 4 and 5, Godfrey Township. Access is via the paved road to the Kamiskotia Mine then westerly by bush road to the claim group.

**PREVIOUS WORK:**

The claim group occurs in an area that has been thoroughly prospected over a number of years. It occurs between the Canadian Jamieson Mine to the north and the Genex copper showing to the south. Consolidated Brewis & White have drilled the two adjoining patented claims P-27830 and P-27829 and obtained wide intersections of low grade copper mineralization. Mespi Mines previously drilled claims immediately east of this claim group and intersected disseminated pyrite carrying no values. The rock types are predominantly acid and basic volcanics.

**LINECUTTING:**

A north-south grid with a 400' line interval was cut over the entire claim group under the supervision of A. Aubie, P.O. Box 807, Timmins, Ontario. A total of 13.2 miles of line were cut between October 6th and December 5th, 1969.

INSTRUMENT USED AND OPERATOR:

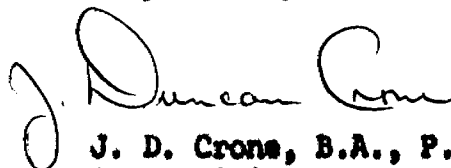
The RADEM-VLF-EM is manufactured by Crone Geophysics Ltd. of Mississauga, Ontario. The RADEM machine utilized the VLF communication broadcast stations in this case Cutler Maine (17.8 Hz). Both the dip-angle of the resultant field (in degrees) and the Field Strength (as a % of normal field strength) are measured. The dip-angles are plotted in the form of profiles (1" = 40°) with the true crossovers indicating the conductor. The Field Strength maps out the conductive zones such as the magnetometer maps out the magnetic properties of the underlying rocks. The Field Strength readings can be contoured to outline the shape and extent of the conductor.

Instrument operator was Denis Laforest, P.O. Box 807, Timmins, Ontario, operating between October 17th and December 9th, 1969.

INTERPRETATION:

It is recommended that the conductors outlined should be geologically examined since considerable outcrop exists in the area. This should be followed up by drilling where warranted.

Respectfully submitted,



J. D. Crone, B.A., P.Eng.  
Geophysicist.

February 3, 1970.

— *Cochran Porcupine area* —  
 ● **MARPI**

THE TOWNSHIP  
 OF  
**GODFREY**

DISTRICT OF  
**COCHRANE**

PORCUPINE  
 MINING DIVISION

SCALE: 1-INCH = 40 CHA

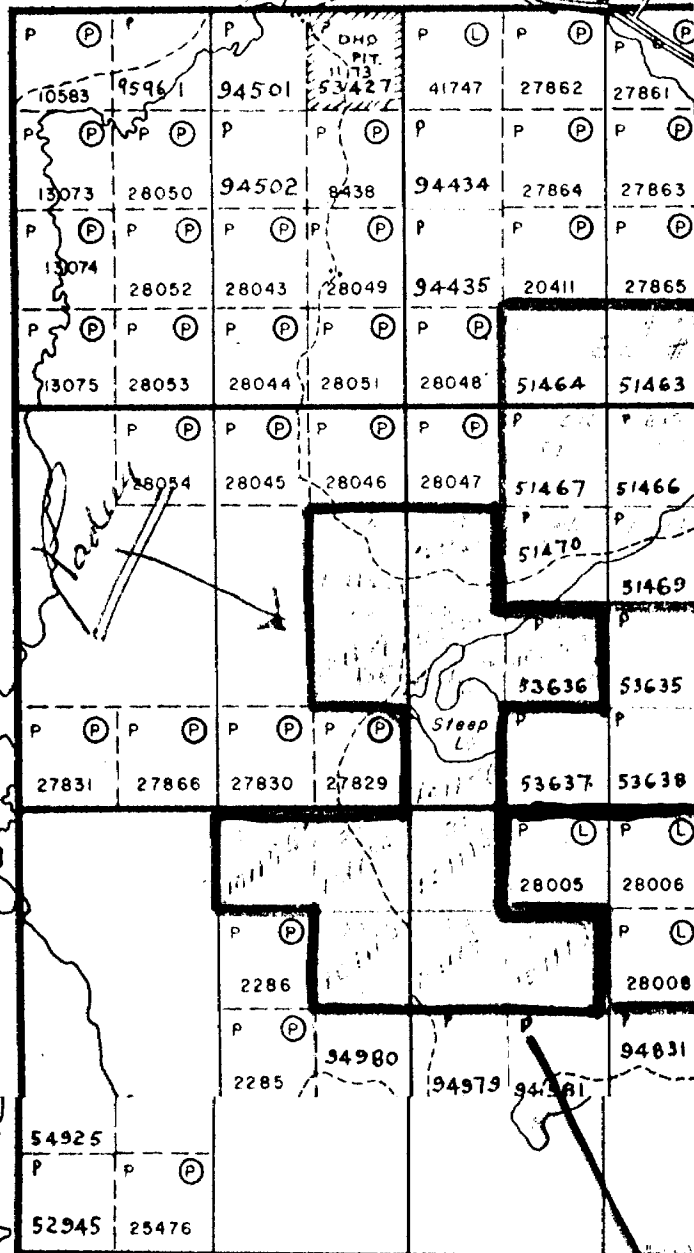
LEGEND

- PATENTED LAND
- CROWN LAND SALE
- LEASES
- LOCATED LAND
- LICENSE OF OCCUPATION
- MINING RIGHTS ONLY
- SURFACE RIGHTS ONLY
- ROADS
- IMPROVED ROADS
- KING'S HIGHWAYS

VI

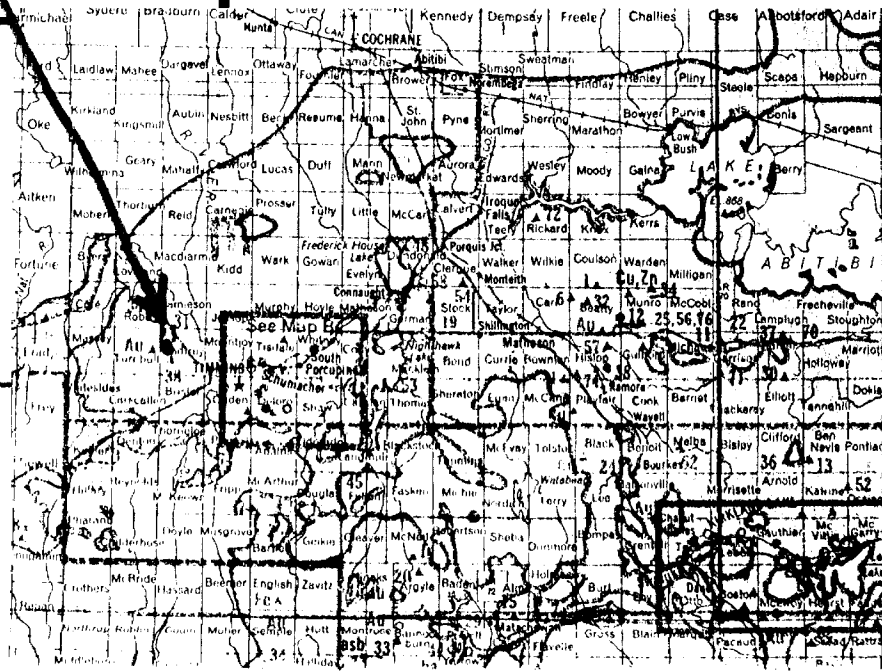
VI

1.302)



12      11      10

**LOCATION MAP**



Jamieson Twp. (M.288)

See Reader Site  
 Dept. of National Defence  
 Survey from Station  
 No. 34101 of Mining Act. File 18901

THE

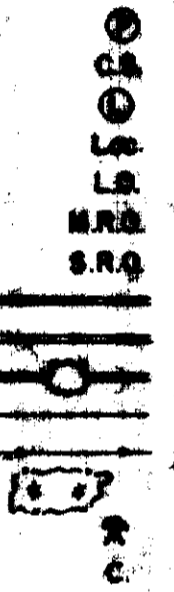
**GODFREY  
 CLAIM MAP**  
 DISTRICT OF  
 COCHRANE

PORCUPINE  
 MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

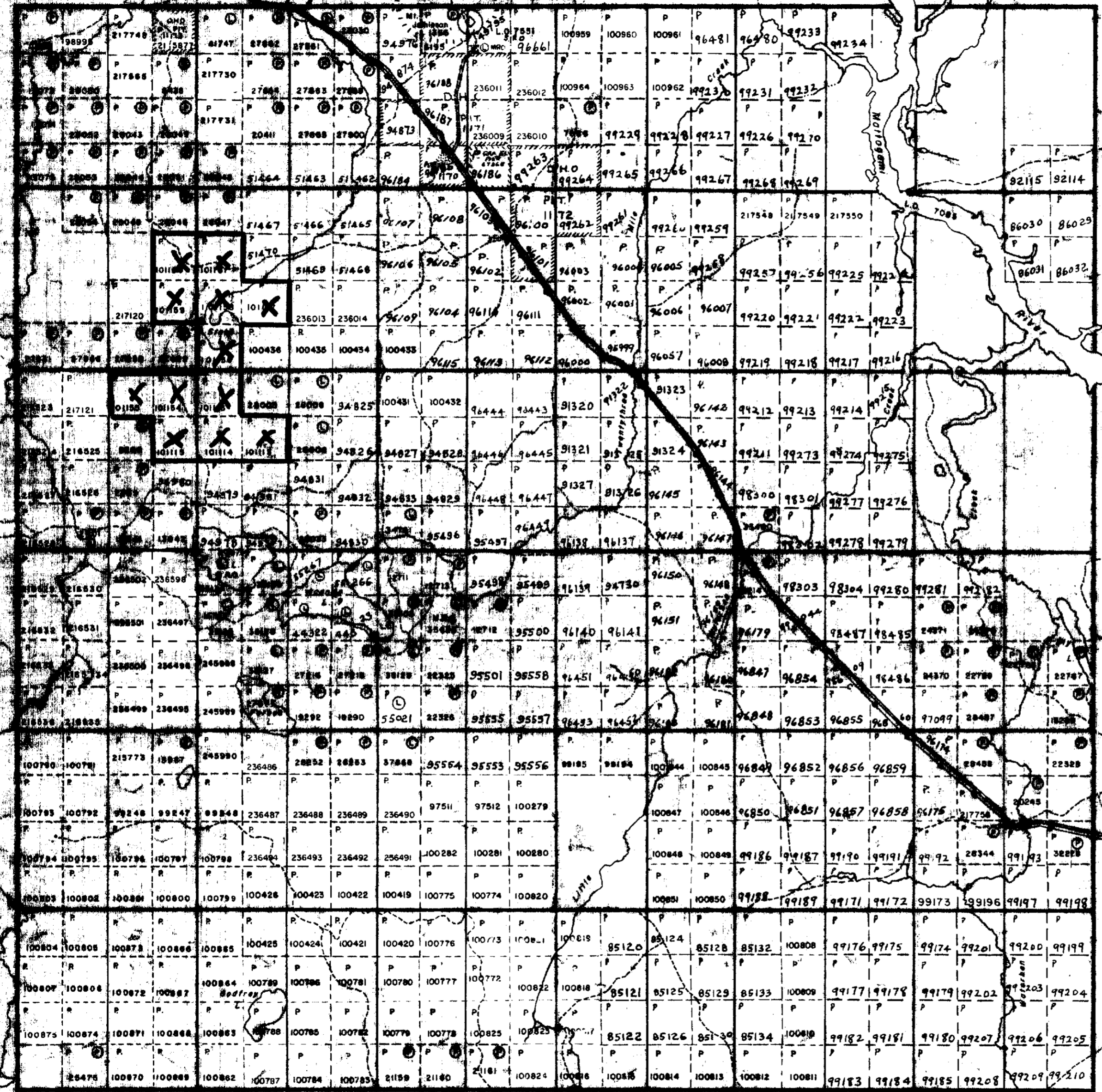
**LEGEND**

- INVENTED LAND
- CROWN LAND SALE
- LEASES
- LOCATED LAND
- LICENSE OF OCCUPATION
- MINING RIGHTS ONLY
- SURFACE RIGHTS ONLY
- ROADS
- IMPROVED ROADS
- MIN'S HIGHWAYS
- RAILWAYS
- POWER LINES
- MARSH OR MUCKED
- MINES
- CANCELLED



**NOTES**

- 400' surface rights reservation around all lakes and rivers.
- Flooding rights on either side of the Mattagami for H.E.P.C.



VI

V

IV

III

II

I

Mountjoy Twp. (M.302)

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

Bristol Twp. (M.264)

PLAN NO. **M.284**

DEPARTMENT OF MINES

- ONTARIO -



42A125E0427 63.2643 GODFREY

COR. 6  
COR. 5

COR. 5  
COR. 4

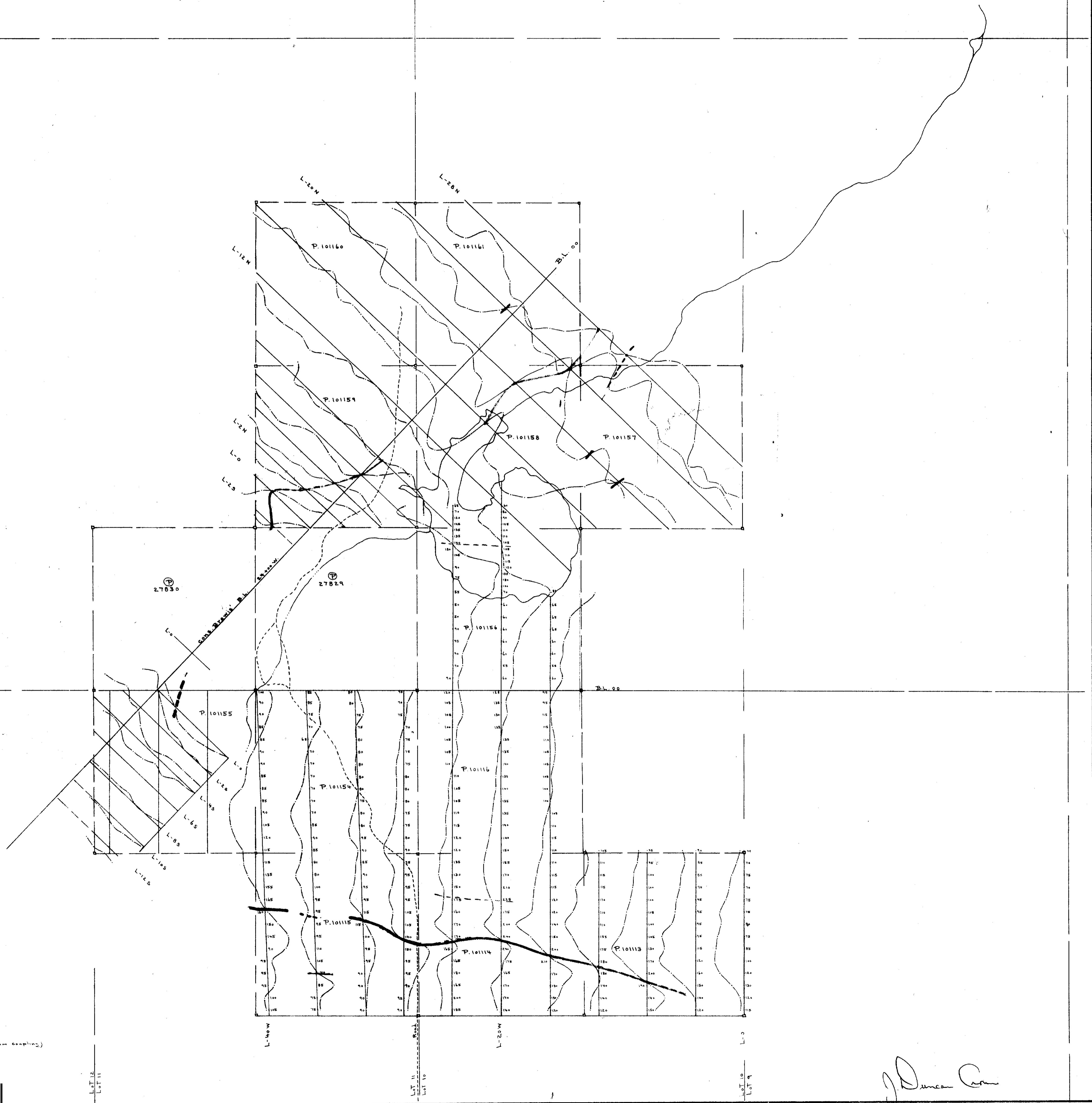
Juanhall Twp  
Godfrey Twp



Mespi Mines Ltd.  
Godfrey Twp.  
Crone Radem V.L.F.  
Electro-Magnetic Survey  
Map scale: 1"=400'  
Profile scale: 1"=40'  
Field strength plotted at station

Legend  
16° South Dip Angle  
Field strength reading (maximum coupling)  
conductor axis  
16° North Dip Angle

Trans. Station  
Cutler Maine  
note: no field strength  
in N-W S-E lines



J. Dunca