



42A06NE0430 2.12925 DELORO

010

GEOPHYSICAL REPORT

RECEIVED

APR 02 1990

MINING LANDS SECTION

**J.P. SHERIDAN CLAIMS
DELORO TOWNSHIP
PORCUPINE MINING DISTRICT
TIMMINS, ONTARIO**

**DATE:
MARCH 30, 1990 MAXWELL JUBY, B. Sc.**

1) PROPERTY HOLDER, NUMBER OF CLAIMS

The property consists of 5 claims (P949059, P949060, P949302, P949303, P949304) held by Mr. J.P. Sheridan, Suite 1814, 150 York St., M5H 3S5, Toronto, Ontario. Almost all of the surface area of the 5 claims were covered by the survey.

2) LOCATION AND ACCESS

The Claim Group is in the north-east corner of Deloro Township, access is gained by entry across the Placer Dome Mine Ltd. Property - Shaft No. 8. A good gravel road constructed by Place Dome to service their tailings disposal area leads across the south-east corner of the claim group.

3) SURVEYOR

Mr. Maxwell Judy c/o Diepdaume Mines Ltd., P.O. Box 1392, Timmins, Ontario, P4N 7N2 was assisted by Mr. Alex Carpenter, Shoal Lake Indian Reserve in conducting the work.

4) DATES FOR SURVEY WORK

The reestablishing of the picket lines (chaining and flagging stations along the former picket lines) and performance of the EM16 VLF survey followed by a max-min survey was done from the period September 20, 1989 - September 30, 1989.

5) GEOLOGY

The property is located south of the Porcupine Destor Fault which historically has been regarded as a disadvantage for the location of viable ore bodies. The claim area consists of andesite-basalt lavas with one narrow band of volcanic agglomerate on the south-east side - striking in a SE-NW direction through the central portion of claim P 949060. Just south of this agglomerate there is an iron formation band striking parallel to the agglomerate.

6) PREVIOUS WORK

In 1986 Diepdaume Mines Ltd., under the supervision of C.F. Desson, Project Engineer, mapped the old adit area on claim P 949060 and took 21 rock samples for assay. The best assay was 0.163 oz. per ton gold. In general, the iron formation carries very low gold values and narrow quartz veins give the higher assays.

In April 1987, a magnetic survey was conducted over this same 5 claim group. The iron formation at the adit area shows very limited extent to the north-west responding on only two lines and striking off the property to the east.

In 1981, Amax Minerals Exploration did geological mapping and sampling of the adit area on Claim P 949060. Very low (0.025 oz. per ton) gold values were obtained. This was followed by a geological survey and report authored by John L. Kirwan for Canamax Resources Ltd. September 1984. He makes reference to work performed by the Philadelphia Mining Syndicates (File T-271 in the Ontario Geological Survey Resident Geologist's Assessment files in Timmins). The plan of this work shows the adit advance of 64 ft plus 30 ft in a north-north easterly direction on a quartz vein dipping 30 degrees north with an average assay value over \$20 per ton in solid quartz. (July - 1911). Gold was \$20.67 per oz. at this time. No diamond drilling was performed in this location by Canamax.

Diplomat Resources Incorporated did considerable exploration work on this 5 claim group in 1985 including dewatering, slashing, washing, sampling, and detail geological mapping of the adit faces. A magnetic and VLF EM survey also were carried out revealing several conductors.

A report dated September 1985 by K.A. Jensen recommends the diamond drilling of 3 drill holes to intersect the larger north-south trending quartz vein in the adit along with the east-west striking quartz vein stringers in the iron formation.

Assay results from this underground adit sampling are disappointing, the best being 0.9 ft - 0.180 OPT gold and 1.5 ft - 0.251 OPT across a quartz vein or pod in ramp floor.

7) RESULTS AND CONCLUSIONS

The max-min survey indicates two EM anomalies.

One drill hole is proposed to intersect the twin conductor at the adit. The hole to be collared at LSW, 700 ft south, drilled south at a dip of -45 degrees.

The area of the second very weak max-min anomaly where the small trenches are located should be prospected and sampled if possible.

The VLF EM16 survey responds over both the above max-min conductors and indicates two additional zones. No significance is given to these latter zones.

8) INSTRUMENT USED

A max-min II, Serial No. 912 with an accuracy of 1 1/2 % was used. The VLF survey was conducted with a Geonics Ltd. EM16, Serial No. 245 with an accuracy of 1 %.

9) METHOD

The horizontal loop max-min II was used with a horizontal spread of 200 ft and both in phase and out of phase readings taken at a frequency of 3555 KHZ.

The VLF EM-16 unit was read using Cutler Maine, USA as transmitter. The frequency is 24.0 KHZ. Both in phase and quadrature readings were taken.

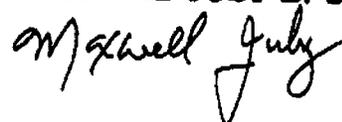
10) TOTAL NUMBER OF STATIONS

The total number of stations for the max-min survey is 322. The total number of stations for the EM16 survey is 257.

The total miles of line cut was 3.76 miles including 2100 ft of base line. Pickets were established every 100 ft and the station intervals varied from 100 ft to 50 ft. The line spacing is 300 ft.

DATE:
MARCH 30, 1990

SIGNED:
MAXWELL JUBY B. SC.



Page 5

REFERENCE

I Maxwell Juby am a graduate of Mc Gill University, Montreal
P.Q.. I have received a B. Science 1952.

I have spent several years performing Geophysical surveys.

MAR 30, 1990

Maxwell Juby
Maxwell Juby



42A06NE0430 2.12925 DELORO

020

P.O. Box 1392
TIMMINS, Ontario
P4N 7N2

November 29, 1989

12925

GEOPHYSICAL REPORT

During October 1989, two electromagnetic surveys were conducted on a 5 claim group located in the North-East corner of Deloro Township, Porcupine Mining Division. The east central portion of the group is covered by slimes from the Dome Mines. The grid was re-established and readings taken at 100 ft. and 50 ft. intervals.

The Max Min survey (200 ft. coil separation) indicates two E.M. conductive areas (high frequency- 3555 c.p.s.). An adit was driven on the exposed iron formation that does have associated gold values. Detail research should be done to assure that the north conductor in this area has been investigated either on surface or underground. Previous work has proved disappointing.

Two small trenches have been made 100 ft. north of the axis of the second very weak conductor (L12W). This zone is reflected on two lines and the area should have detail surface prospecting when the snow goes.

The E.M. 16 correlates somewhat with the two Max-Min conductive zones- picking up the side of the conductors.

The additional anomalies are regarded as insignificant.

Dated November 28, 1989
At: Diepdaume Mines Ltd.
P.O. Box 1392
Timmins, Ontario
P4N 7N2

Signed Maxwell Juby

Maxwell Juby
363-3933 63 2410

REFERENCE

I Maxwell Juby am a graduate of Mc Gill University, Montreal
P.Q.. I have received a B. Science 1952.

I have spent several years performing Geophysical surveys.

Maxwell Juby
Maxwell Juby

November 28, 1989

3. 24/5

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations 1) 322 2) 257 Number of Readings 1) 322x2 2) 257x2
Station interval 1) 100 FT AND SOFT 2) 100 FT AND SOFT Line spacing 300 FT.
Profile scale 1) 1 INCH = 20% IN PHASE 2) 1 INCH = 40% IN PHASE
Contour interval

MAGNETIC

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

ELECTROMAGNETIC

Instrument 1) APEX-MAX-MIN II SERIAL NO. 912 2) GEONICS LTD. EM16 SERIAL NO. 245
Coil configuration 1) HORIZONTAL 2) VERTICAL
Coil separation 1) 200 FT 2) INFINITY
Accuracy 1) 1/2% 2) 1%
Method: [X] Fixed transmitter [] Shoot back [X] In line [] Parallel line
Frequency 1) 3555 cps 2) 24.0 KHZ (specify V.L.F. station)
Parameters measured 1) IN PHASE RESPONSE IN % 2) IN PHASE RESPONSE IN %

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 _____

Instrument _____

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 _____

Total Number of Samples _____

Type of Sample _____
(Nature of Material)

Average Sample Weight _____

Method of Collection _____

Soil Horizon Sampled _____

Horizon Development _____

Sample Depth _____

Terrain _____

Drainage Development _____

Estimated Range of Overburden Thickness _____

SAMPLE PREPARATION

(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis _____

General _____

ANALYTICAL METHODS

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

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

Others _____

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 _____

Extraction Method _____

Analytical Method _____

Reagents Used _____

General _____



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) ELECTROMAGNETIC (Two)
Township or Area DELORO TP.
Claim Holder(s) J.P. SHERIDAN, SUITE 1814, 150 YORK ST., TORONTO, ONTARIO, M5H 3S5
Survey Company MAXWELL JUBY
Author of Report MAXWELL JUBY
Address of Author % SUITE 1814, 150 YORK ST., TORONTO, ONT.
Covering Dates of Survey OCT 20/89 - OCT 30/89
Total Miles of Line Cut RE-ESTABLISHED - 3.76 MILES

MINING CLAIMS TRAVERSED
List numerically

P 949059
P 949060
P 949302
P 949303
P 949304

If space insufficient, attach list

SPECIAL PROVISIONS CREDITS REQUESTED
Geophysical Electromagnetic 20
Magnetometer
Radiometric
Other EM 20
Geological
Geochemical

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

Magnetometer Electromagnetic Radiometric
(enter days per claim)

DATE: March 20 1990 SIGNATURE: Maxwell Juby
Author of Report or Agent

Res. Geol. Qualifications

Table with 4 columns: File No., Type, Date, Claim Holder

TOTAL CLAIMS 5

OFFICE USE ONLY

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Coil configuration 1) HORIZONTAL 2) VERTICAL
Coil separation 1) 200 FT 2) INFINITY
Accuracy 1) +/- % 2) 1%
Method: [x] Fixed transmitter [] Shoot back [x] In line [] Parallel line
Frequency 1) 3555 cps. 2) 24.0 KHZ.
Parameters measured 1) IN PHASE RESPONSE IN % 2) IN PHASE RESPONSE IN %

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 _____

Instrument _____

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 _____

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Type of Sample _____
(Nature of Material)

Average Sample Weight _____

Method of Collection _____

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Horizon Development _____

Sample Depth _____

Terrain _____

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p. p. m.
p. p. b.

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

Others _____

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 _____

Extraction Method _____

Analytical Method _____

Reagents Used _____

General _____

MESSAGE NO.2.

TODAY I HAVE CONSULTED THE FIELD NOTES AND THE EXECUTION OF THE FIELD WORK FOR THE MAX. MIN. AND EM16 VLF SURVEYS WAS BETWEEN SEPTEMBER 20 1989 AND SEPTEMBER 30 1989. I HAD INDICATED OCTOBER ON THE TWO PINK FORMS AT YOUR OFFICE.

I HAVE INITIALED THIS CORRECTION ON THE GREEN REPORT OF WORK FORM AT THE TIMMINS OFFICE.

LETTER TO FOLLOW IN THE MAIL.

DATE: MARCH 30 1990.

SINCERELY,

MAXWELL JUBY.

P.S. FILE NO. 2012925

Diepdaume Mines Ltd.

Anyox Metals

Timmins Testing Lab

Timmins Testing Laboratories Ltd.
P.O. Box 1392
Timmins, Ontario
P4N 7N2

Date: AP 2 90

To: DALE MESSENGER.
MINING LANDS SECTION MND

From: MAX JUBY

Message: Attached geophysics report file 2.12925.

Total Pages (including this page): 7

Fax Operator: *[Signature]*

MAP SYMBOLOLOGY

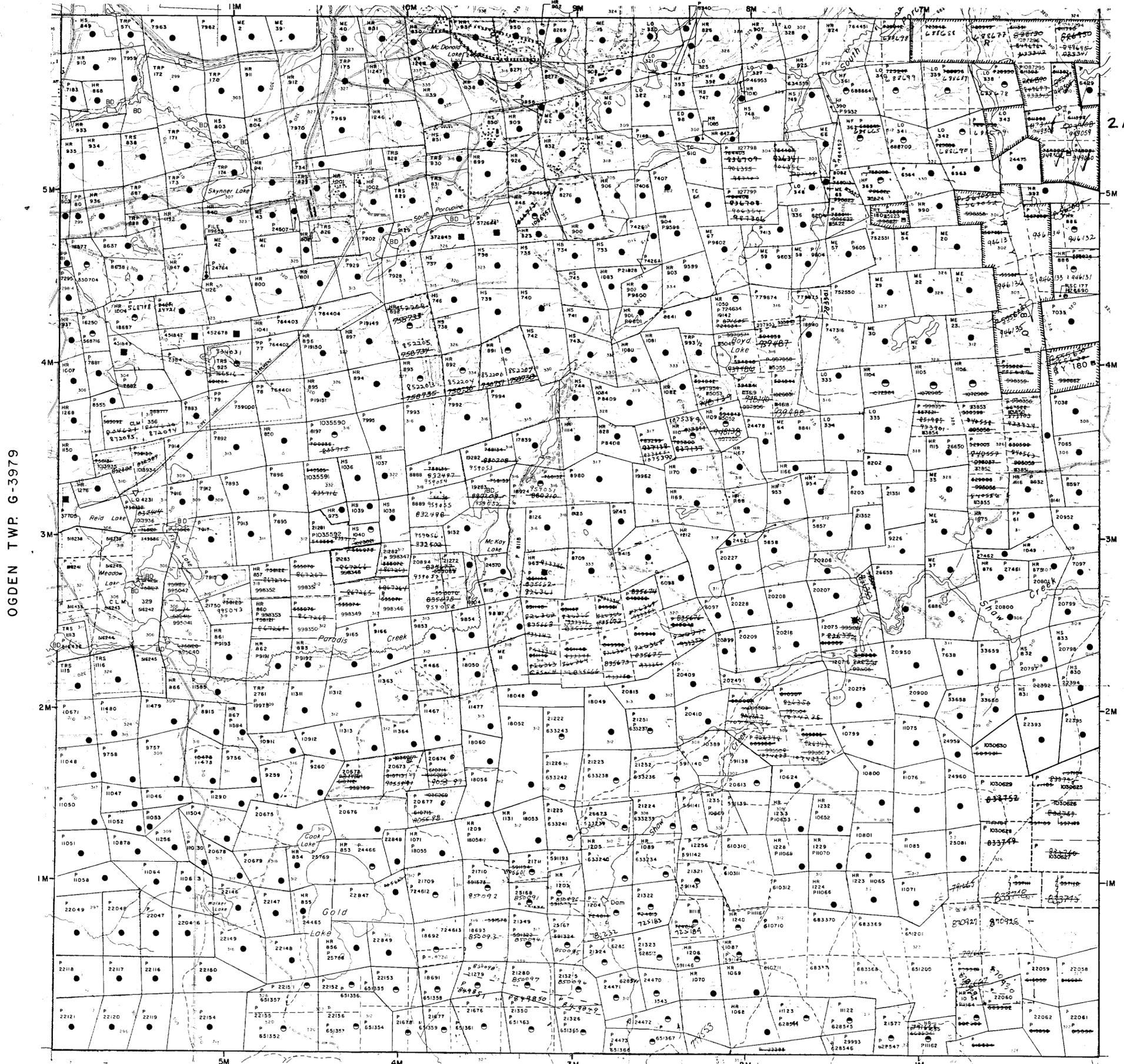
- Aerial Cableway
- Boundary
- International
- Provincial
- Electric, Telephone
- Abandonment
- Lot, Concession
- Appurtenance
- Park Boundary
- Bridge
- Road, Believed
- Building
- Chimney
- Cliff, Pit, Pile
- Contours
- Intersected
- Appurtenance
- Depression
- Control Points
- Horizontal
- Vertical
- Culvert
- Falls
- Death line river
- Fence, Hedge, Wall
- Feature Outline
- Flooded Land
- Lock
- Marsh or Swamp
- Mast
- Mine Head Frame
- Outcrop
- Pipeline
- Railroad
- Single Track
- Double Track
- Abandonment
- Terrace
- Road
- Improvement, County
- Yankee
- Access (road of doubtful maintenance or significant driveway)
- Trail, Back Road
- Rapids
- Reservoir
- River, Stream, Canal
- Appurtenance
- Direction of flow
- Rock
- Spot Elevation
- Tower
- Transmission Line
- Utility Poles
- Wharf, Dock, Pier
- Wooded Area

AREAS WITHDRAWN FROM DISPOSITION

- M.R.O. - MINING RIGHTS ONLY
- S.R.O. - SURFACE RIGHTS ONLY
- M.+S. - MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File

TISDALE TWP G-3976



212925

OGDEN TWP G-3979

SHAW TWP G-3999

ADAMS TWP G-

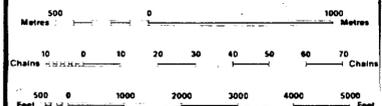
LEGEND

- 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 OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKIEG
- MINES
- TRAVERSE MONUMENT

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	▽
ORDER-IN-COUNCIL	OC
RESERVATION	⊙
CANCELLED	⊖
SAND & GRAVEL	⊕

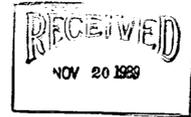
NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC. 1.



SCALE 1:20 000

NOTES

- REGISTERED PLAN OF SUBDIVISION
- MINING CLAIMS SHOWN WITHIN THIS AREA ARE SUBJECT TO THE RIGHTS AND PRIVILEGES GRANTED UNDER AN EASEMENT ORDER DATED MAY 19, 1937 TO DELMITE MINES LTD.
- DOMESTIC MINES, LIMITED SURFACE RIGHTS LEASE #103926
- APPLICATION UNDER P.L.A. FOR SURFACE RIGHTS...DUCKS UNLIMITED CANADA

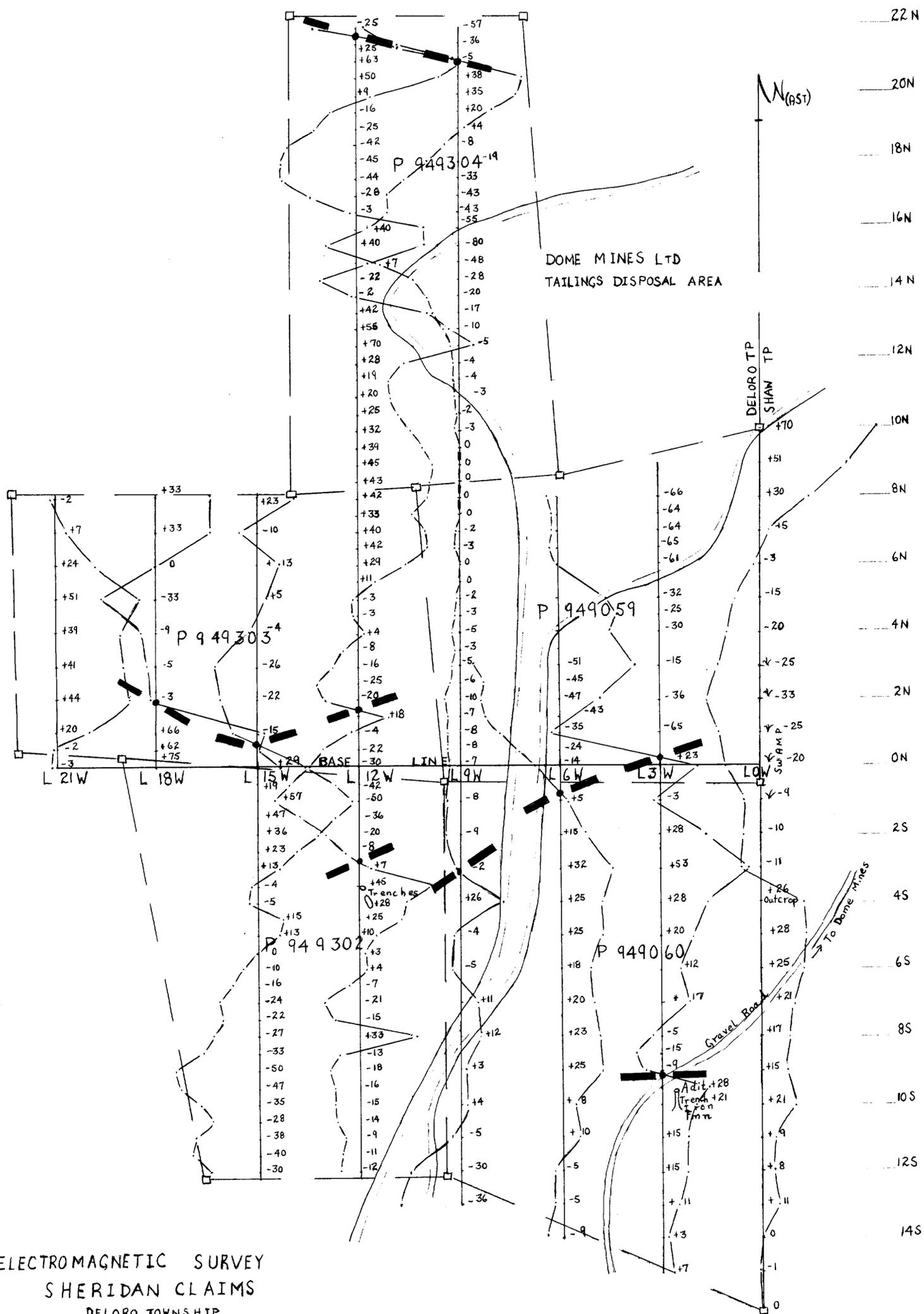


TOWNSHIP
DELORO
M.N.R. ADMINISTRATIVE DISTRICT
TIMMINS
MINING DIVISION
PORCUPINE
LAND TITLES / REGISTRY DIVISION
COCHRANE



Date: FEBRUARY 1984
Number: **G-3993**



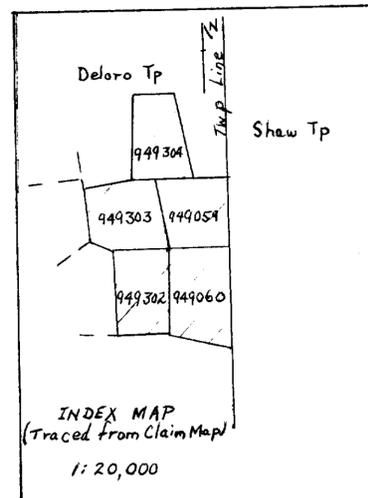


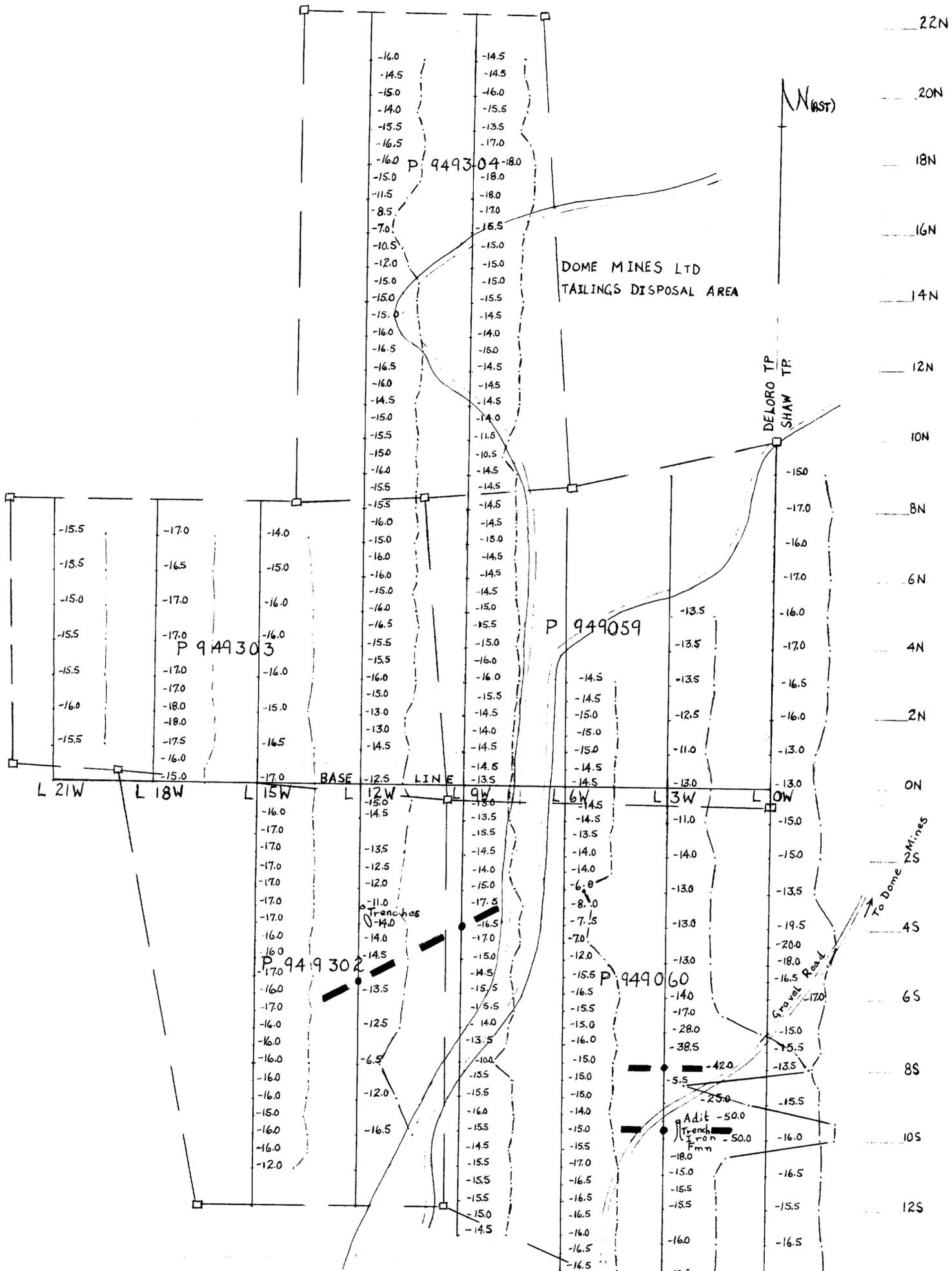
ELECTROMAGNETIC SURVEY
 SHERIDAN CLAIMS
 DELORO TOWNSHIP
 PORCUPINE MINING DIVISION
 ONTARIO
 SCALE: 1 INCH = 200 FT
 = 40% IN PHASE RESPONSE

LEGEND
 +20 IN PHASE PROFILE
 —•— E.M. CONDUCTOR
 -|+ POSITIVE TO RIGHT

INSTRUMENT
 GEONICS LTD-MODEL EM16
 SERIAL NO. 245

TRANSMITTER
 CUTLER-MAZNE-USA
 ALL READINGS TAKEN FACING EAST





ELECTROMAGNETIC SURVEY
 SHERIDAN CLAIMS
 DELORO TOWNSHIP
 PORCUPINE MINING DIVISION
 ONTARIO
 SCALE: 1 INCH = 200 FT
 = 20% IN PHASE RESPONSE

LEGEND
 16.0 HIGH FREQUENCY-IN PHASE (3555 CPS)
 E M. CONDUCTOR
 + | - NEGATIVE TO RIGHT
 INSTRUMENT
 APEX-MAX-MIN II
 SERIAL NO. 912

200 FT SEPERATION OF COILS

M. JUBY- NOVEMBER 28 1989

