Kian A. Jensen
Exploration and Consulting Services

010

2.13026

ELECTROMAGNETIC SURVEY

for

F. ZOEBELEIN

on the

CARSCALLEN PROPERTY

in

CARSCALLEN TOWNSHIP

PORCUPINE MINING DIVISION

DISTRICT OF COCHRANE

ONTARIO

by

2.3969

Kian A. Jensen
Consulting Geologist/Geophysicist

June, 1989

Kian A. Jensen
Exploration and Consulting Services

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INTRODUCTION

During February to March, 1989, linecutting, a total field magnetic and VLF-EM surveys were completed on the 23 contiguous unpatented mining claims known as the Carscallen Property in the west central part of Carscallen Township.

A total of 23.36 miles of linecutting was completed to establish a total of 1025 electromagnetic readings. The survey was completed from March 15 to 30, 1989, by personnel of Laforest-Hlava Exploration Services Limited under the supervision of the author. The data reductions, drafting, interpretation and report were completed by the author from March 30 to June 20, 1989.

The project area is located approximately 4.0 miles (6.5 km) west of the junction of Highways 101 and 144, the 4.9 miles (7.9 km) northwards to south property boundary. The claims cover an area from the Whitesides - Carscallen Township boundary eastwards for 1.5 miles in the west central portion of Carscallen Township, Porcupine Mining Division, District of Cochrane, Ontario.

The purpose of the survey was to identify structural features and favorable areas for gold and base metal mineralization.

LOCATION AND ACCESS

The 23 unpatented mining claims cover the area between mile posts 3 and 4 on the Whitesides - Carscallen Township boundary eastward for 1.5 miles in the west central portion of Carscallen Township, Porcupine Mining Division, District of Cochrane, Ontario as shown in Figure 1.

The project area is located approximately 4.0 miles (6.5 km) west of the junction of Highways 101 and 144. An all weather gravel logging road leads northwards for 2.92 miles (4.7 km), then the west branch road is travelled for about 1.1 mile (1.8 km). At this junction, 0.87 miles (1.4 km) on the north branch road leads to the south boundary on the east part of the property while the northwest branch road intersects the south boundary on the western side about 1.4 miles (2.25 km) from the junction.

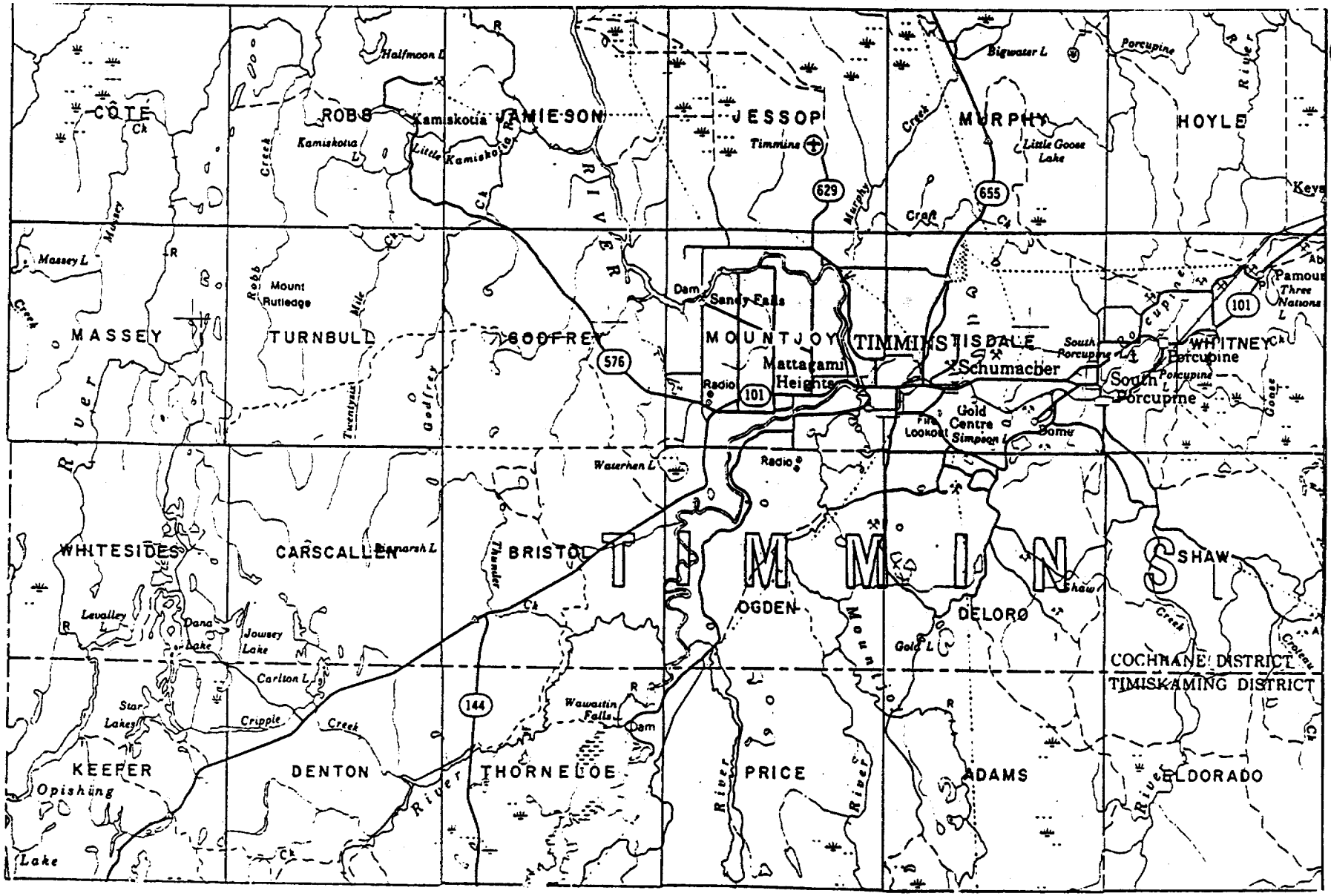


Figure 1: Location Map of the Carscallen Property, Carscallen Township, Porcupine Mining Division, District of Cochrane, Ontario. Scale 1 inch to 4 miles.

PROPERTY

The Carscallen Property of 23 unpatented contiguous mining claims are held 100% by Mr. F. Zoebelein, P.O. Box 72, King City, Ontario, L0G 1K0, as shown in Figure 2, and consists of the following mining claims and recording dates:

P-969811 to P-969814	inclusively	March 22, 1988
P-997914 to P-997916	inclusively	March 22, 1988
P-1027211 to P-1027215	inclusively	March 22, 1988
P-1033101		March 22, 1988
P-1033103 to P-1033104	inclusively	March 22, 1988
P-1033107		March 22, 1988
P-1033118 to P-1033119	inclusively	March 23, 1988
P-1033120 to P-1033122	inclusively	March 22, 1988
P-1034545 to P-1034546	inclusively	April 8, 1988

GENERAL GEOLOGY

The bedrock in the area consists of an early Precambrian intermediate to mafic located in the west central part of Carscallen Township and felsic metavolcanics in the northeastern portion of the township.

The metavolcanics have been intruded by dioritic to gabbroic dikes or sills and irregular shaped pluton which has an approximate diameter of 8 miles at the junction of Carscallen, Whitesides, Turnbull and Massey Townships.

The next intrusives in the area vary in composition but are generally felsic intrusive batholith located in the southwestern portion of Carscallen Township.

Intruding all the above lithological units are north to north-northwest trending diabase dikes.

The structure in the area appears to be dominated by north northwest trending transverse faults, several are filled by the later diabase dikes.

PREVIOUS EXPLORATION ACTIVITIES

The following is a summary of the exploration activities for the claim group and the immediate area which has been filed for assessment work at the resident geologist's office:

In the summer of 1964, Lucky Strike Exploration Limited completed a ground electromagnetic and magnetic survey the north 12 claims of their 24 claims. A total of 13 of Lucky Strikes claims are within the present property. The four drill hole completed intersected from disseminated sulphide mineralization to 117.5 feet of massive sulphides.

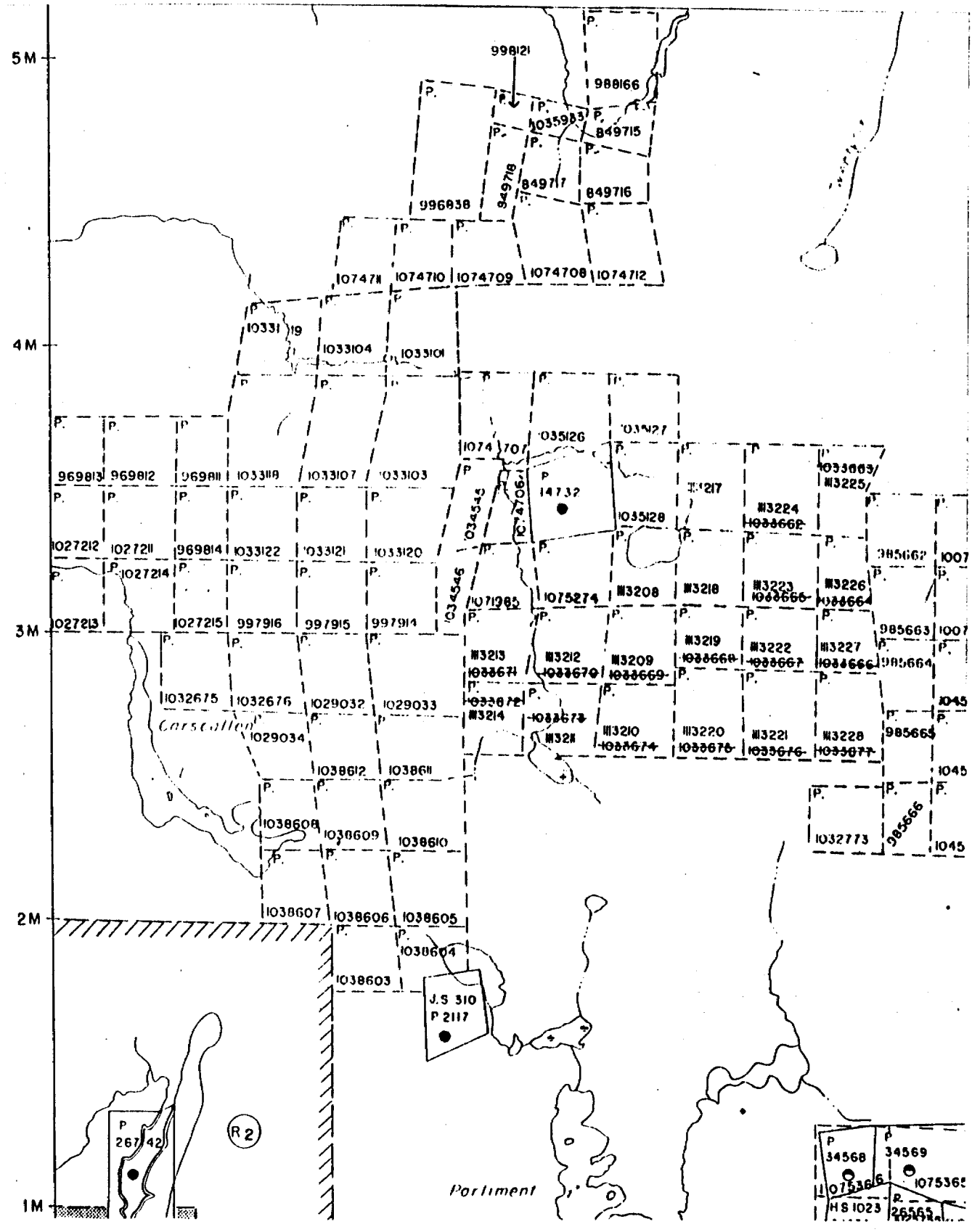


Figure 2: Claim Map and Property Location Map of the Carscallen Property, Carscallen Township, Porcupine Mining Division, District of Cochrane, Ontario.
Scale 1 inch to 1/2 mile.

During 1966, Mespi Mines Limited conducted an electromagnetic survey which identified at least 7 conductors. In 1967, Mespi diamond drilled 6 holes of which 3 holes, WC1, WC2 and WC3 are located within the Carscallen Property. Only one hole was partly assayed with results ranging as follows: Au trace to 0.025 opt, Ag trace to 0.03 opt, Cu 0.01 to 0.04%, Zn nil, and 0.02 for Ni.

During 1969, 10 claims which are all within the present property was explored by Claw Lake Molybdenum Mines limited. They completed electromagnetic and magnetic surveys on 4 claims and drilled 4 holes.

In March 1972, Texas Gulf Sulphur Company completed and HLEM and magnetic survey on their 14 claims of which all but 4 are within the property.

During 1983 2 claims by the township boundary and within the present claim group was held by Jean Roy who excavated 3 pits about 3 feet square and about 2 feet deep. All assays were trace to nil.

GEOPHYSICAL SURVEY

INTRODUCTION:

During February to March, 1989, linecutting and a total field magnetic survey were completed on the 23 contiguous unpatented mining claims. Upon completion of the above survey, an electromagnetic VLF-EM survey was completed on the north-south grid lines which established 1025 readings.

The base line was established about 300 feet north of Mile Post 3 on the Whitesides - Carscallen Township Line and extends to 81+50 East. Tie lines were established at 28+00 North, 38+00 North and 50+00 North. The north south grid lines were established at intervals of 400 feet with pickets placed every 100 feet.

The survey was completed with a Phoenix VLF-2 unit from March 15 to 30, 1989, by personnel of Laforest-Hlava Exploration Services Limited under the supervision of the author. Cutler, Maine, was used as the transmitter station with a frequency of 24.0 kHz. The data reductions, drafting, interpretation and report were completed by the author from March 30 to June 20, 1989.

ELECTROMAGNETIC SURVEY:

The VLF-EM base station was established at Line 20 East on the base line with an average Horizontal Field Strength (HFS) of 350%. The base line and all the tie lines were surveyed at the intersections in a looping fashion to establish accurate control stations for each grid line. The north-south grid lines were surveyed at 100 foot intervals.

The data was corrected for the daily drift and the tie-ins at the control stations.

The corrected data was plotted on a base map with a scale of 1 inch to 200 feet (1:2400). The values for the dip and HFS are indicated on the base map in Figure 3 and the dip values are profiled.

INTERPRETATION:

To assist in the interpretation of the electromagnetic survey, the dip values were subjected to a low pass filter known as Fraser Filtering. The results are plotted and contoured as shown in Figure 4. The results of the survey and the previous interpretation of the magnetic survey and compilation of data is shown in Figure 5. The anomalies are lettered from A to Z and are tabulated in Table 1.

The interpretation of many of the anomalies was hampered by the northerly trending diabase dikes, in such that the anomaly may be due to the edge effect of the dike and not the conductor.

In general, it appears that the anomalies located in the northern half of the property appear to have shallow depth and probably are dipping vertical to steeply to the north. The anomalies in the southern half are covered by overburden up to 50 feet and are probably dipping steeply to the south.

The most prominent conductor, lettered N, N' and N", is related to the iron formation and the shear zone which bisects it in the vicinity of Line 64+00 East. In places this appears to be a typical iron formation with related tuffs and metasediments and in other places may be related to sulphide concentrations related to a mafic to ultramafic intrusive. The axis of the anticline appears to be located on the south side of this unit.

Anomalies C, C' and possibly E are related to a zone of sulphide mineralization which is located north of a typical iron formation.

For the most part, the anomalies follow the general geological trending with several anomalies such as: J, I', K, L, T, and V appear to cross cutting the local stratigraphy and may be due to faulting or shearing.

Kian A. Jensen
Exploration and Consulting Services

Table 1: VLF-EM Anomalies

	FF	Value	Length	Trend	Magnetics	Comments
A	29	to 56	600'	105	58600 to 59425	contact or creek
A'	16	to 26	800'	95	58670 to 58750	contact or creek
B	10	to 30	1200'	110	58650 to 58740	in gabbro
C	11		400'	110	between mag high	north side of IF
C'	31	to 81	1100'	110	58300 to 58600	north side of IF
D	12		400'	110	58750	fault or shear zone
E	19	to 20	600'	115	58750	south side of IF
F	5		200'	80	58575	
G	13	to 19	700'	75	58650 to 58700	
H	16	to 61	1200'	95	58680 to 58730	possible contact
H'	28	to 61	1600'	85	58650 to 58675	
H"	14	to 26	1200'	110	58550 to 58600	central part
H"	10	to 83	2200'	125	58600 to 58750	south part
I	17	to 46	800'	120	58600 to 58700	
I'	12	to 19	2500'	75	58600 to 58700	
J	12		600'	80	58575	
K	19	to 29	1000'	70	58630 to 58730	
L	24	to 83	1200'	85	58700 to 58730	
M	28	to 39	700'	105	58230 to 58750	
M'	35		500'	105	58670	
N	12	to 100	3300'	110	57750 to 64000	parallel to IF and Fault
N'	40		600'	100	58800 to 59100	
N"	42	to 108	4500'	120	57000 to 59500	north side of IF
O	8	to 31	700'	85	58500 to 59100	
P	26	to 42	900'	85	58900 to 58935	
P'	28		400'	85	58640	
P"	22		400'	85	58660	
Q	17	to 25	900'	75	58740 to 58770	
Q'	20	to 42	600'	75	58800 to 59100	
R	20	to 30	900'	75	58780 to 58880	
S	4		200'	135	60500	north side of IF
T	14	to 30	800'	65	58660 to 58850	
U	20	to 21	600'	100	59000	
V	12		500'	65	58780 to 58925	
W	28		200'	90	59000	
W'	19	to 35	800'	100	58780	
W"	16	to 48	400'	80	58980	
X	11	to 21	2200'	80-100	58780 to 58900	
Y	14	to 27	2600'	105	58750 to 59050	
Z	9	to 21	1100'	115	58500 to 58840	
Z'	18		400'	110	58740	

Anomalies A and A' located on the northern property boundary may be due to overburden conditions and the presence of the creek.

Anomaly B and possibly B' are located within the boundary of the gabbro intrusive and may warrant further investigation for base metals.

Anomaly H, H' and H" appears to mirror the trend of the iron formation and may be related to either a contact or a mineralized unit. Several of the anomalies to the south of the iron formation may be similar, however, they are too fragmented to identify a continuous unit.

Kian A. Jensen
Exploration and Consulting Services

CONCLUSIONS

The VLF-EM survey identified numerous anomalies within the survey area. The area represents a complex series of folding and faulting of which the majority of the faults are filled by northerly trending diabase dikes. Due to the presence of the dikes, several areas were difficult to identify anomaly continuity.

The strongest and longest anomaly is attributed to either the sulphide phase of the iron formation or the shearing or a combination there of. From previous exploration drilling, the iron formation consists of both magnetite and sulphide phases with pyrite, pyrrhotite and minor chalcopyrite being present.

A few of the other anomalies have been drilled but their locations with respect to the present grid system are unreliable.

The remainder of the anomalies are probably related to either lithological contacts between the different mafic flows or mafic intermediate to felsic flows. The anomalies associated with magnetic lows may represent sulphide mineralization within areas of carbonatization and warrant further investigation.

RECOMMENDATIONS

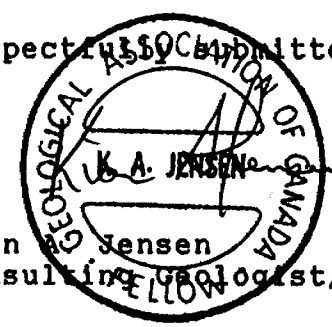
Based upon the results of the present survey and the available information, the author recommends geological mapping of the property. The areas of importance for gold mineralization is in the vicinity of the magnetic lows in areas of suspected carbonatization and/or shear zones.

The thicker portions of the iron formation may be host to base metal mineralization. Also, within the area, base metal mineralization has been located within the gabbro complex and near to contacts of the mafic metavolcanics and the gabbro intrusive complex.

Based upon the results of the recommended work, minor trenching may be warranted in areas of shallow overburden and a limited diamond drilling program.

Dated at Timmins, Ontario
June 20, 1989

Respectfully Submitted,



Kian A. Jensen
Consulting Geologist/Geophysicist

Kian A. Jensen
Exploration and Consulting Services

CERTIFICATE

With reference to my report on the Electromagnetic Survey on the Carscallen Property for Mr. F. Zoebelein, date June 20, 1989.....

I, Kian A. Jensen, of the City of Timmins, Ontario, do hereby certify the following to be true and accurate to the best of my knowledge:

1) That I received an Honor B.Sc. degree in Earth Science, Geology Major, from the University of Waterloo,

2) That I have been employed as a geologist and/or geophysicist by various exploration companies and consulting companies since 1978,

3) That I have been and still am a member in good standing in the following associations:

a) Society of Exploration Geophysicists - Associate, 1981
b) Geological Association of Canada - Fellow, 1983

4) That I am the author of the corresponding report, and have been actively exploring and prospecting in the Timmins area since 1981,

5) That I have no interest directly or indirectly in the mining claims comprising the property described in this report or in the shares of any company or companies in this joint venture on this property or the surrounding properties, nor do I expect to receive any directly or indirectly.

Dated this 20th of June, 1989
Timmins, Ontario

GEOLOGICAL ASSOCIATION OF CANADA
K. A. JENSEN
FELLOW

Kian A. Jensen B.Sc.
Consulting Geologist/Geophysicist

2.3969

VLF-2

Electromagnetic Unit

- Lightweight, low battery drain, rugged, simple to operate
- Two independent channels
- Each channel may select any station between 14.0 and 29.9 kHz
- Single crystal used for all frequencies
- Locking clinometer provides tilt-angle memory
- Superheterodyne detection and digital filtering provide extremely high selectivity and noise rejection

Military and time standard VLF transmitters are distributed over the world. These stations are used for geophysical EM surveying thus eliminating the need for a local transmitter and permitting one-man operation.

To ensure that a station excites the prospective conductor, two stations at approximately right angles are used during a survey (see data on back).

The choice of 160 frequencies in the range 14.0 to 29.9 kHz permits the use of a local EM transmitter when no suitable regular VLF station is available.

PHOENIX

PHOENIX GEOPHYSICS LIMITED

Geophysical Consulting and Contracting. Instrument Manufacture, Sale and Lease.

Head Office: TORONTO 200 Yorkland Blvd., Willowdale, Ontario Canada M2J 1R5 • Tel: (416) 493-6350 Telex: 06-986856 • Cable: PHEXCO TORONTO

VANCOUVER 214 – 744 West Hastings Street, Vancouver, B.C. Canada V6C 1A8 Tel: (604) 669-1070

DENVER 5590 Havana St., Denver, Colorado, 80239. U.S.A. Tel: (303) 371-2980 • Telex: 00-450690

Specifications

Parameters Measured	:	Orientation and magnitude of the major and minor axes of the ellipse of polarization.
Frequency Selection, Front Panel	:	Dual channel, front panel selectable (F1 or F2) each with independent precision 10-turn dial gain control.
Frequency Selection, Internal	:	F1 and F2 can be selected by internal switches within the range 14.0 to 29.9 kHz in 100 Hz increments.
Detection And Filtering	:	Superheterodyne detection and digital filtering provide a much narrower bandwidth and thus greater rejection of interfering stations and 60 cycle noise than conventional receivers.
Meter Display	:	2 ranges: 0 to 300 or 0 to 1000. Background is typically set at 100. Meter is also used as dip angle null indicator and battery test.
Audio	:	Crystal speaker. 2500 Hz used as null indicator.
Clinometer	:	$\pm 90°$, $+0.5°$ resolution. Normal locking, push button release.
Battery	:	One standard 9v transistor radio battery. Average life expectancy - 1 to 3 months (battery drain is 3 mA)
Temperature Range	:	-40° to + 60° C.
Dimensions	:	8 x 22 x 14 cm (3 x 9 x 6 inches).
Weight	:	850 grams (1.9 pounds).

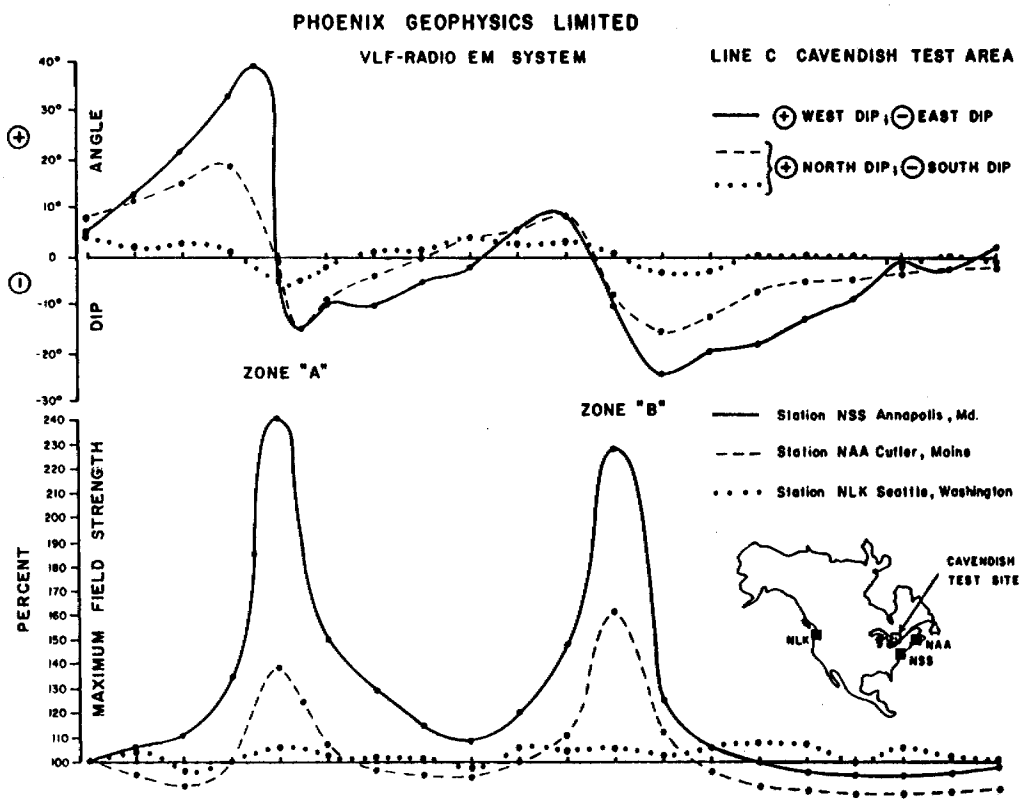
All of the established stations may be selected, or alternatively, a local VLF transmitter may be used which transmits at any frequency in the range 14.0 to 29.9 kHz.

VLF Station	Frequency (kHz)
Bordeaux, France	15.1
Odessa (Black Sea)	15.6
Rugby, U.K.	16.0
Moscow, U.S.S.R.	17.1
Yosamai, Japan	17.4
Hegaland, Norway	17.6
Malabar, Java	19.0
Oxford, U.K.	19.6
Paris, France	20.7
Annapolis, Maryland	21.4
Northwest Cape, Australia	22.3
Lauluolei, Hawaii	23.4
Buenos Aires, Argentina	23.6
Cutler, Maine	24.0
Seattle, Washington	24.8
Rome, Italy	27.2
Aguada, Puerto Rico	28.5

Field Data

The results below illustrate the need for using two orthogonal stations when the strike of the prospective conductor is not well-known. The dip angle and amplitude data measured using station NLK in Seattle, Washington, show only a very weak anomaly associated with the two conductive sulphide zones at Cavendish, Ontario.

The results obtained using Cutler, Maine reveal a more prominent anomaly, but the best response was obtained using Annapolis, Maryland since the station lies almost due south and the transmitted electromagnetic field is thus maximum-coupled with the North-South trending conductors.



Ministry of Northern Development and Mines
Ontario

DOCUMENT No. W 9006.027

42A05NE0307 2.13026 CARSCALLEN

900

Mining Act

Report of Work
(Geophysical, Geological and Geochemical Surveys)

• Technical Reports and maps in duplicate should be submitted to Mining Lands Section, Mineral Development and Lands Branch.

Type of Survey(s)	Mining Division	Township or Area
ELECTROMAGNETIC SURVEY CULF-EM	PORCUPINE	CARSCALLEN TWP

Recorded Holder(s): MR. FRANK ZOEBELEIN 2.13026
Prospector's Licence No.: A-49486
Address: P.O. BOX 72, KING CITY, ONTARIO LOG 1K0
Telephone No.:
Survey Company: KIAN A. JENSEN EXPLORATION AND CONSULTING SERVICES
Name and Address of Author (of Geo-Technical Report): KIAN JENSEN P.O. BOX 37, SOUTH PORCUPINE, ONT. P0N 1H0
Date of Survey (from & to): 15 03 89 (Day Mo. Yr.) — 20 06 89 (Day Mo. Yr.)

Credits Requested per Each Claim in Columns at right

Special Provisions		Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	Geophysical - Electromagnetic	20
	- Magnetometer	
For each additional survey: using the same grid: Enter 20 days (for each)	- Other	
	Geological	
	Geochemical	

Man Days		Days per Claim
Complete reverse side and enter total(s) here	Geophysical - Electromagnetic	
	- Magnetometer	
	- Other	
	Geological	
	Geochemical	

Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Other	

Total miles flown over claim(s).

Date | Recorded Holder or Agent (Signature)

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Mining Claim Prefix	Mining Claim Number	Mining Claim Prefix	Mining Claim Number
P	969811	P	1033119		
P	969812	P	1033121		
P ½	969813	P	1033122		
P	969814	P	1034545		
P	997914	P	1034546		
P	997915	P	1033120		
P	997916				
P	1027211				
P ½	1027212				
P ½	1027213				
P	1027214				
P	1027215				
P	1033101				
P	1033103				
P	1033104				
P	1033107				
P	1033118				

RECEIVED
JAN 16 1990
MINING LANDS SECTION
RECORDED
JAN 11 1990

Total number of mining claims covered by this report of work: 23

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in this Report of Work, having performed the work or witnessed same during and/or after its completion and annexed report is true.

Name and Address of Person Certifying: KIAN A. JENSEN P.O. BOX 37 SOUTH PORCUPINE, ONTARIO P0N 1H0

Telephone No.: (705) 268-0111 | Date: Jan 9/90 | Certified By (Signature): Kian A Jensen

For Office Use Only

Total Days Cr. Recorded: 460
Date Recorded: JAN. 11 90
Date Approved as Recorded
Mining Recorder: S White
Provincial Manager, Mining Lands
Received Stamp: JAN 11 1990 @ 12:35 pm

Ministry of Northern Development and Mines

Ontario

Technical Assessment Work Credits

File: 2.13026

Date: March 12/1990

Mining Recorder's Report of Work No.: W9006-027

Recorded Holder: Frank Zoebelein

Township or Area: Carscallen

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	P 969811, 969812, 969814 997914 to 916 incl. 1027211 1027214, 1027215 1033101 1033103, 1033104 1033107, 1033118, 1033119 1033121, 1033122, 1034545 1034546, 1033120
Electromagnetic 20 days	
Magnetometer ____ days	
Radiometric ____ days	
Induced polarization ____ days	
Other ____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological ____ days	
Geochemical ____ days	
Man days ☐ Airborne ☐	
Special provision ☐ Ground ☐	
☐ Credits have been reduced because of partial coverage of claims.	
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	

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

10 Days Electromagentic P 969813, 1027212, 1027213

No credits have been allowed for the following mining claims

☐ not sufficiently covered by the survey ☐ insufficient technical data filed

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; Geologocal - 40; Geochemical - 40; Section 77(19) - 60.

Ontario

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Mining Lands Section
880 Bay Street, 3rd Floor
Toronto, Ontario
M5S 1Z8

Telephone: (416) 965-4888

April 20, 1990

Your File: W9006-027
Our File: 2.130 26

Mining Recorder
Ministry of Northern Development and Mines
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Dear Sir:

Re: Notice of Intent dated March 12, 1990 for Geophysical (Electromagnetic) Survey submitted on Mining Claims: P 969811 et al in Carscallen Township.

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,

W.R. Cowan
Provincial Manager, Mining Lands
Mines & Minerals Division

NLS:pt
Enclosure

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

Resident Geologist
Timmins, Ontario

Frank Zoebelein
King City, Ontario

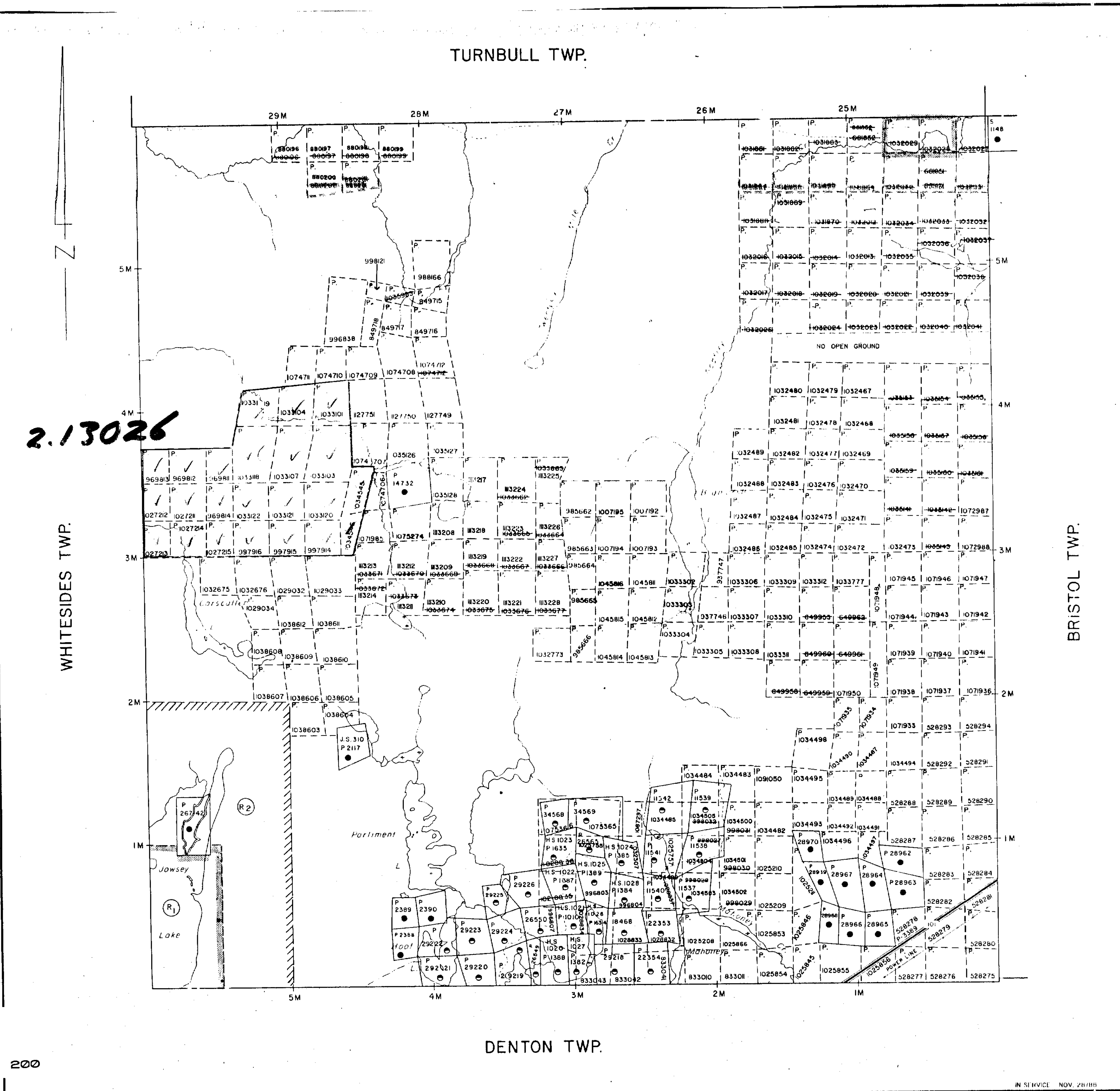
Kain A. Jensen
South Porcupine, Ontario

REFERENCES

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
SEC. 43	[illegible]	FEB. 3/66	M. & S.	171506
DANA AND JOESEY LAKES PARK RES.			S.R.O.	171506



200

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 MUSKEG
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	
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.

SCALE: 1 INCH = 40 CHAINS

FEET 0 1000 2000 4000 6000 8000
METRES 0 200 1000 (1 KM) 2000 (2 KM)

TOWNSHIP

CARSCALLEN

M.N.R. ADMINISTRATIVE DISTRICT

TIMMINS

MINING DIVISION

PORCUPINE

LAND TITLES / REGISTRY DIVISION

COCHRANE

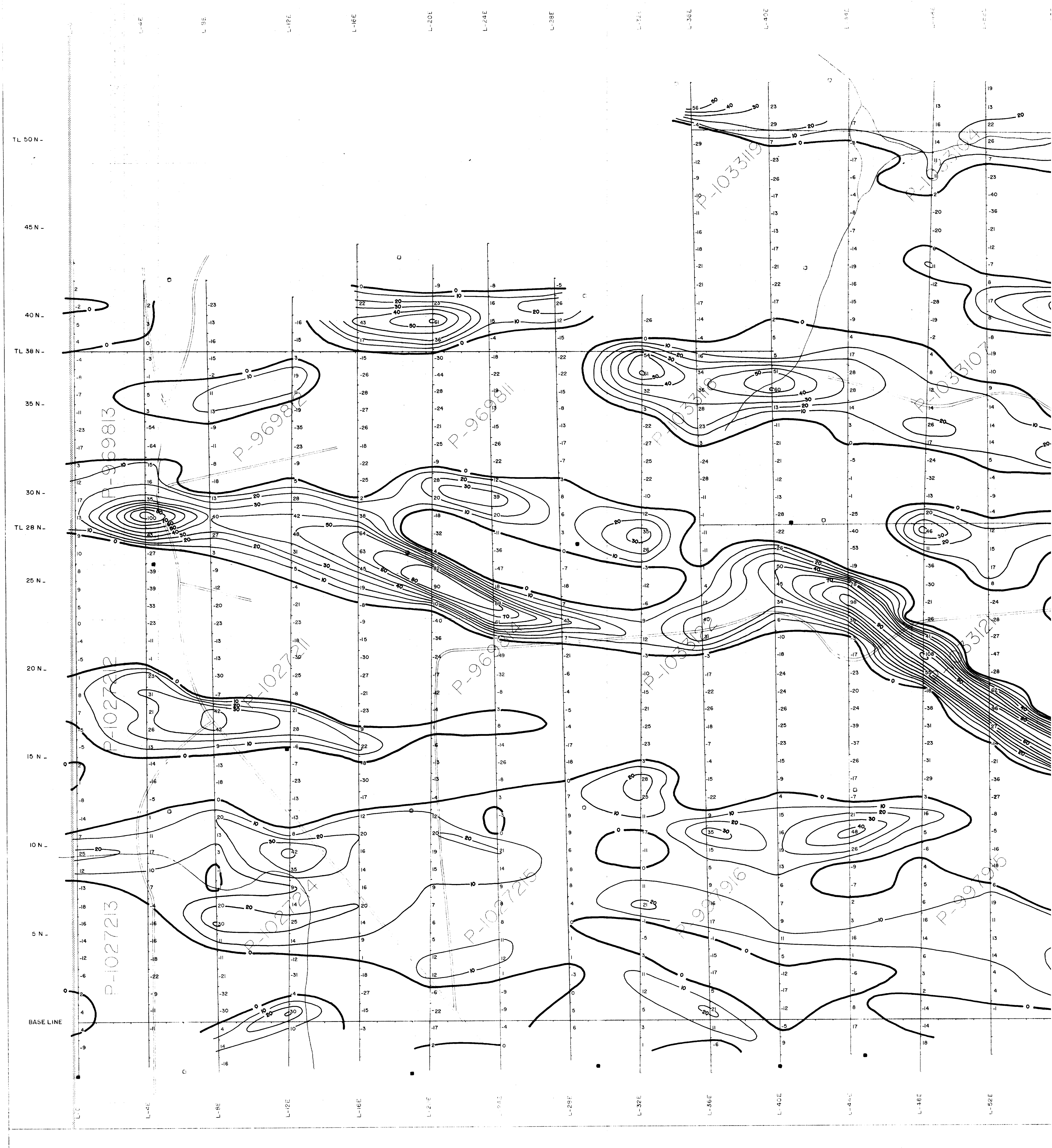
Ministry of Natural Resources — Land Management Branch
Ontario

Date: SEPTEMBER, 1984

Number: G-304(

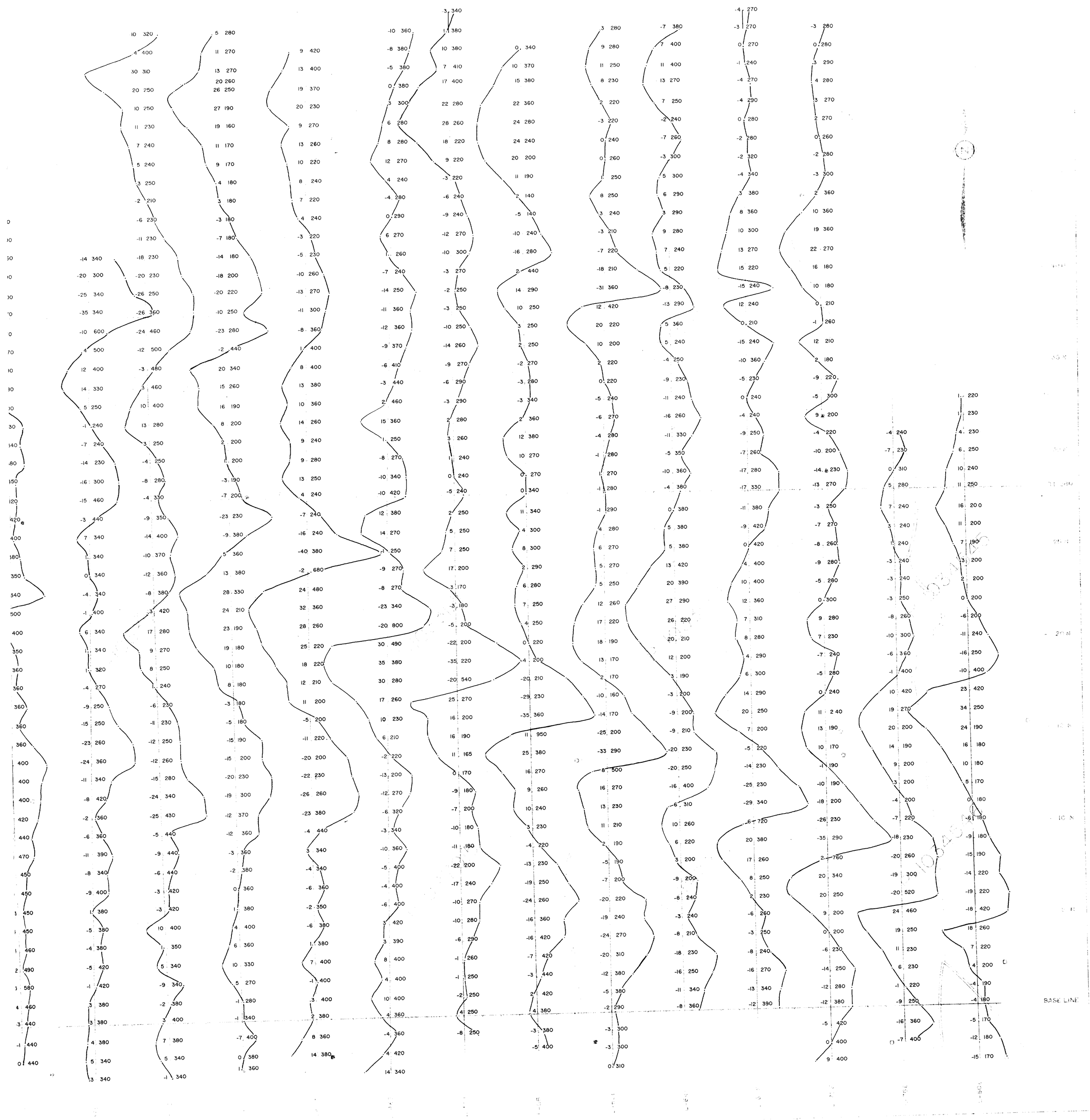
IN SERVICE NOV. 28/88

PHOENIX VLF-2
BASE HFS = 2800
CUTLER, MAINE



42A05NE0367 2.13026 CARSCALLEN

220



PHOENIX VLF-2
BASE HFS = 280%
CUTLER, MAINE 24.0 kHz

PEZOEBELEIN
PROPERTY

2.13026

RECEIVED
JAN 15 1990
MINING LANDS SECTION

VLF-EM SURVEY

M.CARON

MARCH 15 TO 30, 1989

GEOLOGICAL ASSOCIATION OF CANADA
K. A. JENSEN
FELLOW

L-28E L-32E L-36E L-40E L-44E L-48E L-52E L-56E L-60E L-64E L-68E

P-1033119 P-1033104 P-1033105 P-1033107 P-1033116 P-1033102 P-1033120 P-1033121 P-1033122 P-1033123 P-1033124 P-1033125 P-9907916 P-9907915

N

L-28E L-32E L-36E L-40E L-44E L-46E L-52E L-56E L-60E L-64E L-68E

RECEIVED
JAN 15 1990
MINING LANDS SECTION

FRASER FILTERING

KJENSEN

MARCH 30 TO APRIL 7,1989

GEOPHYSICAL ASSOCIATION OF CANADA
K. A. JENSEN
FELLOW

GABBRO

Iron Formation

Diabase

FAULT OR SHEAR ZONE
GEOLOGICAL CONTACT
ANTICLINE AXIS
AIRBORNE ELECTROMAGNETIC ANOMALY
VLF-EM ANOMALY

2.13026

INTERPRETATION