

41P04SE0007 2.1034 DUBLIN

Report Covering

Electromagnetic & Magnetic Surveys over

JEROME EXPLORATIONS LIMITED CLAIM GROUP,

Dublin & Battersby Townships,

Sudbury Mining Division, Ontario.

Claims: S-289926 - S-289954

S-264021 and S-264022

S-323362

Total: 32 contiquous claims

Surveys: Electromagnetic: VLF-EM, Crone RADEM

Magnetic: Sharpe Fluxgate

Maps: 2

Report by: J. Duncan Crone, B.A., P. Eng.

Date: September 11th, 1972.

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CLAIMS & LOCATION

The group of 32 contiquous claims are cut by Highway #144, 26 miles north of Benny at Muldrew Lake. The claim numbers are as follows: S-289926 - S0289954; S-264021, S-264022 and S-323363.

LINECUTTING

A 400' line interval grid was cut under the direction of A.S. Bayne of A.S. Bayne & Company of Toronto, crew chief A. Jerome of P.O. Box 491, Hanmer, Ontario. Total number of miles cut was 28, period of cutting May 1 to May 27, 1972.

GEOPHYSICAL SURVEYS, OPERATORS AND DATES

The VLF-EM survey was carried out by W.J. Sharpe and
A. Jerome of Toronto and P.O. Box 491, Hanmer, Ontario respectively

during the period August 25 to September 11, 1972. Total number of VLF-EM stations - 1366.

The magnetic survey was conducted by the same operators during the period August 25 - September 11, 1972. Total number of magnetic stations - 1264.

GEOPHYSICAL EQUIPMENT AND METHODS USED

Normal drift corrections were carried out. Accuracy is ± 20 gammas.

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For the VLF-EM survey a Crone RADEM instrument was used measuring the dip angle of the VLF field in degrees (accuracy ±1°) and the Horizontal component of the Field Strength (in anomalous areas), accuracy +5%. Station used was Cutler, Maine, 17.8K Hz.

INTERPRETATION

Numerous isolated magnetic highs occur which are thought to be caused by north-south diabase dikes. The magnetic anomalies do not appear to have any relationship to the VLF-EM conductors or the known mineralized showings.

The Electromagnetic survey produced essentially two parallel conductors, usually 200' to 500' apart, that occur intermittently across the claim group.

The sulphide showings on lines 16E, 20E and 24E all occur

on the projection of the southern conductor. These three sulphide showings do not produce VLF anomalies. The sulphide showings near lines 56W and 64W occur on the two conductive zones as do two of the showings immediately west of Highway #144.

The postulated fault down Muldrew Lake produces a strong VLF-EM response on Lines 0 and 4E. The strong VLF-EM dip angles on the northern portion of L20W are probably also due to a postulated north-south trending fault.

The two parallel VLF-EM conductors are probably sulphide zones. They may be formational zones rather than mineralized shears. They are strongest at the following locations.

Line 36E, 2 + 00N: Line 28E, 5 + 00S: Line 0, 15 + 00S:
Line 4W, 15 + 50S, under lake: Line 8W, 15 + 50S, (under lake):
Line 24W, 16 + 50S: Line 32W, 16 + 50S: Line 64W, 11 + 50S:
Line 68W, 14 + 50S.

The isolated anomaly at L68W, 3 + 00S could be of interest.

I would propose ground examination of these locations, stripping and trenching if feasible; soil sampling if this is not possible and if the ground is suitable. If encouraging results are obtained then a drill program would be necessary.

Respectfully submitted,

Duncan Crone, B.A., P. Eng.

Geophysicist.



GEOPHYSICAL – GEOLOGI TECHNICAL DATA

41P04SE0007 2,1034 DUBLIN

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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.

PROJECTS

Type of Survey ELECTRON	AGNETIC	The second secon
Township or Area DUBLIN &		
Claim holder(s) JEROME EXPI	ORATIONS LIMITED	MINING CLAIMS TRAVERSED List numerically
	CRONE Rd., Mississauga, Ontario st 25/72 to Sept.11/72 (linecutting to office)	See Led Island "Inter Sections of Interior Country" The please
SPECIAL PROVISIONS CREDITS REQUESTED ENTER 40 days (includes line cutting) for first survey. ENTER 20 days for each additional survey using same grid.	Geophysical —Electromagnetic 40 —Magnetometer 20' —Radiometric — —Other — Geological — Geochemical —	
AIRBORNE CREDITS (Special pro	ovision credits do not apply to airborne surveys)	
MagnetometerElectroma (enterprise) DATE:Sept.14/72 SIGN	RadiometricRadiometric	
PROJECTS SECTION		The state of the second control of the secon
Res. Geol.	Qualifications	
Previous Surveys		
Checked by	date	
GEOLOGICAL BRANCH		
Approved by	date	
GEOLOGICAL BRANCH		32
Approved by	date	TOTAL CLAIMS

Show instrument technical data in each space for type of survey submitted or indicate "not applicable"

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS	는 사람들이 되는 것이 되었다. 그는 사람들이 되었다면 보고 있는 것이 되었다. 그는 사람들이 되는 것이 되었다. 그는 사람들이 되었다. 그는 것이 되었다. 그런 그는 것이 되었다.
Number of Stations	Number of Readings 1366
Station interval 100!	· · · · · · · · · · · · · · · · · · ·
Line spacing 400'	
Profile scale or Contour intervals	
(6	pecify for each type of survey)
MAGNETIC	
Instrument	
Accuracy - Scale constant	
Diurnal correction method	
Base station location	
ELECTROMAGNETIC	
Instrument RADEM, VLF-EM	
Coil configuration VLF-EM TX	
Coil separation	
Accuracy + 1° dip angle, + 5%	Horizontal Field Strength
Frequency Cutler, Maine 1	(specify V.L.F. station)
Parameters measured <u>Dip angle and</u>	Horizontal Field Strength
GRAVITY	
Instrument	
Scale constant	William apart and the first an
Corrections made	
Base station value and location	
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Elevation accuracy	
INDUCED POLARIZATION — RESISTIVI	
INDUCED POLARIZATION — RESISTIVI Instrument	TY
Instrument	TY
Instrument Time domain	TY Frequency domain
Instrument Time domain	TY Frequency domain Range
Instrument Time domain Frequency	TY Frequency domainRange
Instrument Time domain Frequency Power	TY Frequency domain Range
Instrument Time domain Frequency Power Electrode array	Frequency domain Range

OFFICE USE ONLY

GEOPHYSICAL – GEOLOGICAL – GEOCHEMICAL TECHNICAL DATA STATEMENT

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TECHNICAL REPORT MUST CONTAIN INTERPRETATION. CONCLUSIONS ETC.

OCI 6- NIZ

Type of Survey MAGNETIC		는 사람들이 가는 생각 동생 경기에 가장되었습니다. 그 사람들이 되었다고 함께 되었습니다.
Township or Area DUBLIN 8	BATTERSBY TOWNSHIPS	
Claim holder(s) JEROME EXI	PLORATIONS LIMITED	MINING CLAIMS TRAVERSED List numerically
Author of ReportDUNCAN_(CRONE	Ale Less following Hits Enologed (number)
Address 3607 Wolfedale I	Road, Mississauga, Ontario	(prefix) (number)
	ust 25 to September 11/72 (linecutting to office)	
Total Miles of Line cut28		
SPECIAL PROVISIONS CREDITS REQUESTED	DAYS Geophysical	
DATED 40 1 / 1 1	Electromagnetic40	
ENTER 40 days (includes line cutting) for first	-Magnetometer 20	
survey.	-Radiometric	
ENTER 20 days for each	-Other	
additional survey using	Geological	
same grid.	Geochemical	The complete of the self-section is provided by the section of the
AIRBORNE CREDITS (Special pr	ovision credits do not apply to airborne surveys)	(1985) (1995)
MagnetometerElectrometerElectrometerE	agneticRadiometric	
DATE: Sept. 14/72 SIG	NATURE: Author of Report or Agent	
DOTEON CROWION		
PROJECTS SECTION Res. Geol	Qualifications 63.13.22	
Previous Surveys 63.295	and for any	
redits	+ more great and a second	
Checked by	date	The second secon
anecked by	uate	
GEOLOGICAL BRANCH		
DEOLOGICAL BRANCH		
Approved by	date	
GEOLOGICAL BRANCH		
POLOGICALI DIGITALI	TO SECULIAR	A STATE OF THE STA
Approved by	doto	TOTAL CLAIMS 32

Show instrument technical data in each space for type of survey submitted or indicate "not applicable"

GEOPHYSICAL TECHNICAL DATA

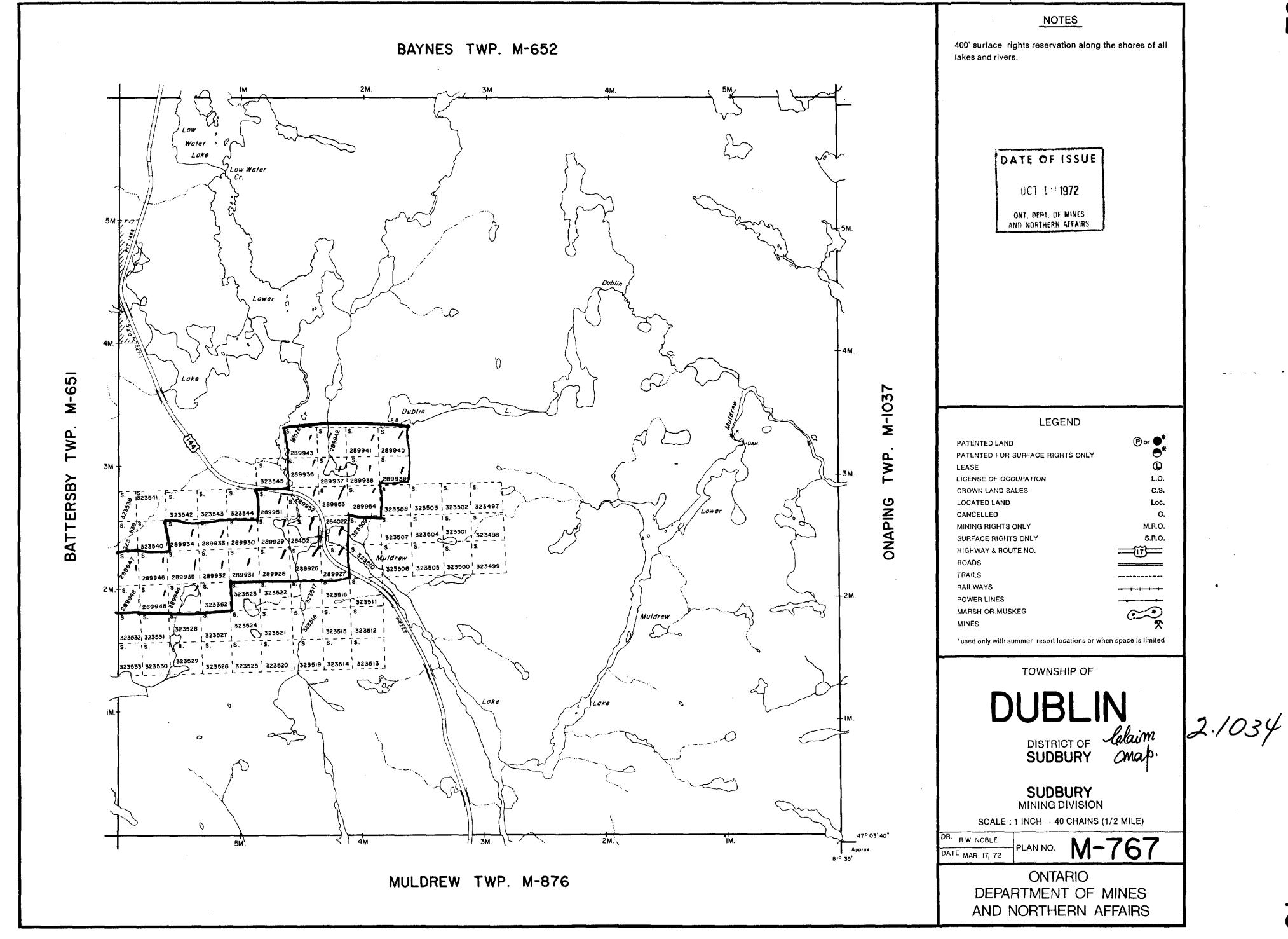
GROUND SURVEYS				
Number of Stations		Numb	er of Readings_	1264
Station interval 100'				
Line spacing 400'	A Disposite Maria			
Profile scale or Contour intervals				
د/	(specify for each type	of survey)	는 기 시간에 다음 문화하는 것 같 나는 기 전 학생들은 기 12년 기급부	
MAGNETIC " " "				
Instrument Sharpe Fluxgate	MEI	*		
Accuracy - Scale constant + 20 g	ammas			
Diurnal correction method Base	Station	days		
Base station locationI	0 + 00, 0 +	- 00		
	·			
ELECTROMAGNETIC				
Instrument				
Coil configuration	and the second second			
Coil separation				
Accuracy				
Method:	itter 🗆 Sl	oot back	☐ In line	☐ Parallel line
Frequency				
Parameters measured	(specify V.)	L.F. station)		일요 함께 기계를 받는다. 교육통한 교육에 발표하는 기를 받는
GRAVITY				
Instrument	,,,,			
Scale constant				
Corrections made				
Corrections made				
Base station value and location				
-				
Elevation accuracy INDUCED POLARIZATION — RESIS				
Instrument				
Time domain		Paraman d		
			n n n walf og filmer	
Frequency		_		
Power				
Electrode array				
Type of electrode				
Type of electrode				

MINING	CLAIMS	TRAVERSED
S-28992	26	S-289943
S-28922	27	S-289944
S-28992	28	S-289945
S-28992	29	S-289946
S-2899	30	S-289947
S-2899	31	S-289948
S-2899	32	S-289949
S-2899	33	S-289950
S-2899	34	S-289951
S-2899	35	S-289952
S-2899	36	S-289953
S-2899	37	S-289954
S-2899	38	S-264021
S-2899	39	S-264022
S-2899	40	S-323362
S-2899	41	
S-2899	42	

Situated in Dublin and Battersby Townships, Sudbury Mining Division.

TOTAL CLAIMS: 32

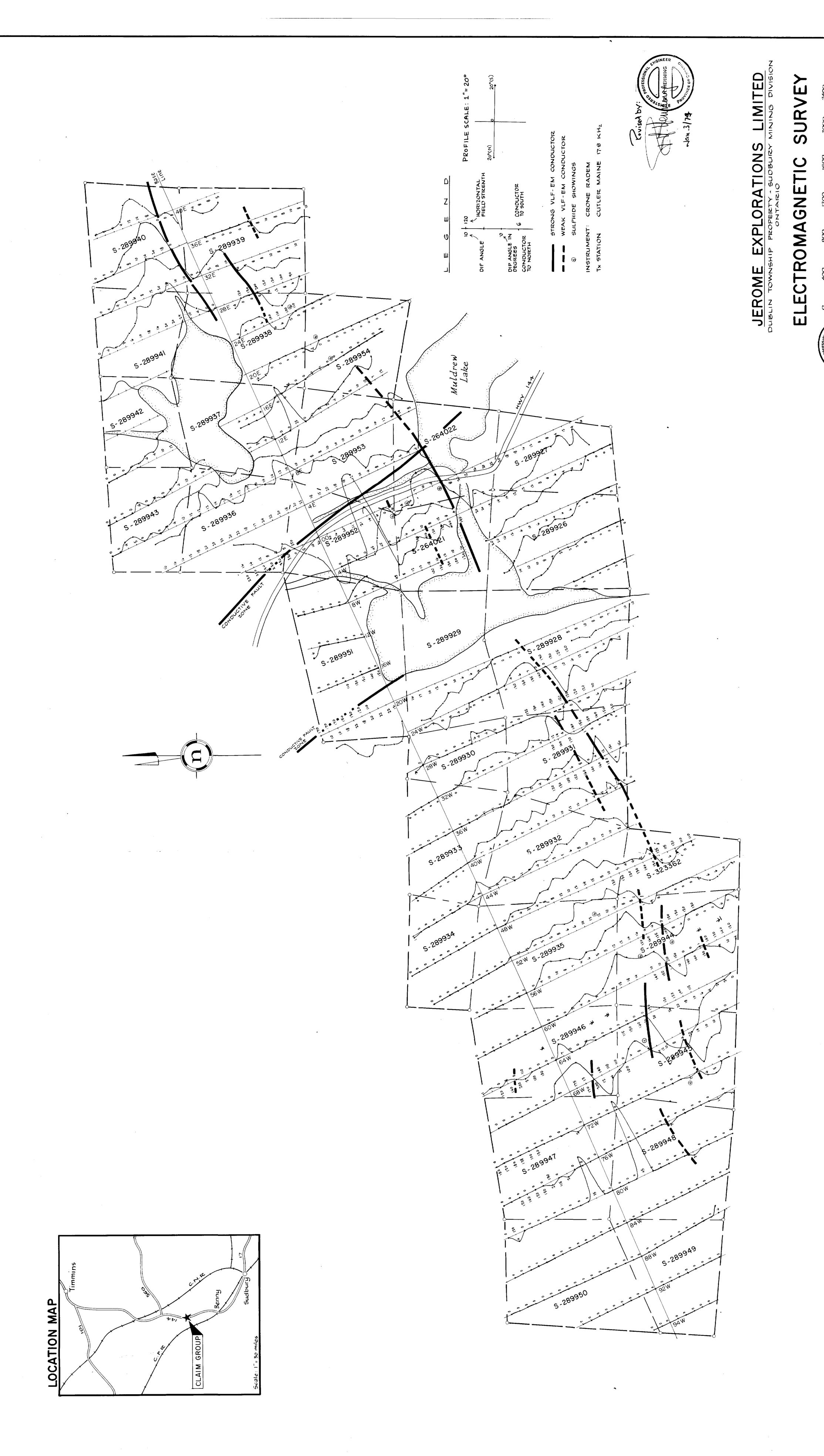




TRIM LINE

blaim map PLAN OF SUDBURY MINING DIVISION. DISTRICT OF SUDBURY. M.651 NOTE - Scale, 40 chains to an inch. 400' Surface Rights Reservation MARQUETTE TWP. around all Lakes and Rivers. FROM STAKING 323557 ATHLONE





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