



42606SE0001 2.9694 ECCLESTONE

010

REPORT ON THE
AIRBORNE GEOPHYSICAL SURVEY
ON THE PROPERTY OF
GOLDEN TRIO (DON MCKINNON)
OPASATIKA, FERGUS AND ECCLESTONE TWPS. ONTARIO

BY

H. FERDERBER GEOPHYSICS LTD.

RECEIVED

MINING LANDS SECTION

JANUARY 12, 1987
VAL D'OR, QUEBEC

R. A. CAMPBELL
GEOLOGIST

**REPORT ON THE
AIRBORNE GEOPHYSICAL SURVEY
ON THE PROPERTY OF
GOLDEN TRIO (DON MCKINNON)
OPASATIKA, FERGUS AND ECCLESTONE TWPS. ONTARIO**

INTRODUCTION

In November 1986 an airborne geophysical survey was carried out on the property of Golden Trio (Don McKinnon) in Opatatika, Fergus and Ecclestone Townships, Ontario. Magnetic and VLF-electromagnetic data was collected by the airborne division of H. Ferderber Geophysics Ltd. The survey was flown from a base at Kapuskasing, Ontario. A total of 244.5 miles of data was collected.

The magnetic survey provides information which helps define the underlying geological structures and identifies any potential economic concentrations which may contain variations in accessory magnetic minerals. The VLF-electromagnetic survey helps define conductive zones which may represent shear zones and/or metallic sulphide deposits containing gold mineralization.

PROPERTY LOCATION, DESCRIPTION AND ACCESS

The property is comprised of 268 claims in Opastika, Fergus and Ecclestone Township, Porcupine Mining Division, Ontario. The claim block covers an area of approximately 4288 hectares. The claims are registered with the Mining Recorder's office at Timmins and are listed in Appendix 1.

The surveyed area is located approximately 48 km (30 miles) south-southwest of the town of Kapuskasing. Provincial Highway 11 west from Kapuskasing to Hearst passes within 40 km of the property. Gravel roads south from Highway 11 traverse the northeast and southwest parts of the claim block. Numerous logging roads branch off from these gravel roads.

Over 60% of the property has been logged. The rest is forested. Flatt Lake is situated in the south central part of the claim group and Rufus Lake is located over the southeastern boundary. The Opasatika River flows near the eastern edge of the property. A few small swamps are located on the claim block. The topography on the property is relatively flat.

Supplies, services and qualified manpower are available in the Kapuskasing - Hearst area.

GEOLOGY

The Ontario Department of Mines geological compilation sheet 2166 Hearst - Kapuskasing area indicates that the property is underlain by metavolcanic rocks, metasedimentary rocks and a migmatite-metasedimentary-metavolcanic complex. The northern half of the claim block is underlain by metasediments comprised of greywacke. South of the metasediments a west-east trending intermediate to mafic metavolcanic unit of undifferentiated rocks, amphibolite, amphibole schist and amphibole-pyroxene-plagioclase schist is cut and offset a northeast striking fault. The fault follows Rufus Lake along the southeast boundary of the property. Along the southern contact of the metavolcanics, map 2166 outlines the migmatite-metasedimentary-metavolcanic complex. This complex is comprised of biotite quartz-feldspar, hornblende-quartz-feldspar and hybrid granitic gneisses and amphibolite. Less than 1 km east of the southeastern boundary of the property a contact between the migmatite-metasedimentary-metavolcanic complex and felsic intrusive body is shown. Three short north striking diabase dykes are located in the vicinity of Flatt and Rufus Lakes.

Sulphide mineralization and an east-northeast striking iron formation are situated in metasedimentary rocks, 1.25 km (0.8 miles) and 2.5 km (1.6 miles) west of the property boundary.

INTRUMENTATION AND SURVEY METHODS

The survey was completed using a Cessna 172, fixed wing aircraft (CF-AAV) owned and operated by H. Ferderber Geophysics Ltd. It was piloted by D. Fauvelle of Val d'Or. The navigator/operator was T. Alvi, also from Val d'Or. Geophysical sensors were mounted in modified wing tips. GEM-GSM-9 BA Overhauser Proton Precession Magnetometer and Herz Totem 2AG VLF-electromagnetic systems were used. The magnetometer has a resolution of 0.5 gammas, recorded on analogue tape. The VLF-EM measures the change in total field and vertical quadrature field on two channels simultaneously, with an accuracy of 1%. The data is then transferred to a printer. The transmitting station at Seattle, Washington, (NLK), frequency 24.8 kilohertz was used.

The survey was conducted at an aircraft altitude of 250 feet above ground level. The altitude was measured with a Bonzer Mark 10 radar altimeter. A survey speed of approximately 100 miles per hour was used. Navigation was visual with reference to air photo mosaics at a scale of 1:20,000. Lines flown in northwest-southeast directions at spacings of 400 feet were recovered from the photo mosaics. Manual fiducials were recorded simultaneously on the geophysical tapes and solid state memory.

DATA PRESENTATION

Flight lines, fiducial points and geophysical responses were reproduced from the air photo mosaics on maps at a scale of 1:20,000. The outline of the claim group and claim map are shown on each sheet.

The aeromagnetic data was corrected for diurnal variations by using a base line as reference. The data was then reduced to a base level of 59,000 gammas, contoured at 25 gamma intervals and presented on Map MG-1.

The VLF-EM data was transferred from the Totem 2AG memory to printed form. A base value was determined and the change in the total field strength as a percentage of the base value was calculated. The values were plotted on map EM-1. The positive values were contoured at intervals of 2%. The conductor axes were determined and labelled 1, 2, 3, etc. No priority was attached to the numbering system.

INTERPRETATION OF RESULTS

Magnetic Survey

The magnetic background values on the property are relatively high. A background of approximately 59,200 gammas was outlined by the magnetic survey. In the northern part of the property a series of magnetic highs were delineated. The highs are striking approximately east-west and could represent parallel bands of metasedimentary iron formation and associated pyrrhotite mineralization, amphibolite units or ultramafic sills.

South of these bands of magnetic highs the relief is relatively flat. This could reflect a homogeneous unit of metavolcanic rocks. Within this unit a series of small magnetic highs, striking north-northwest, from Flatt Lake was delineated in the west-central part of the property. These highs could represent a diabase dyke intruding the metavolcanic rocks.

Just north of the Fergus-Ecclestone and Opasatika Township boundaries a magnetic anomaly striking west and west-southwest was outlined. This could outline a zone of magnetic rich minerals associated with a possible contact between the metavolcanic rocks and the migmatite metasedimentary - metavolcanic complex or alternatively a mafic intrusive sill.

VLF-Electromagnetic Survey

The results of the VLF-electromagnetic survey outlined numerous anomalous zones on the property. Two sets striking 60° to 90° and 305° - 360° were delineated. Zones 1 to 12 strike 60° to 90° and 13 to 20 strike 305° to 360° . Some of the conductors are located over topographic features. Zones or parts of zones 1, 2, 5, 7, 8, 9, 10, 13, 14, 16, 17, 18 and 20 could be caused by conductive overburden. Certain of these conductors (5, 7, 8, 9, 16, 17 and 20) following linear overburden trends may also reflect underlying bedrock responses, such as faults, fractures and shear zones. The conductive zones thought to represent possible bedrock responses are described below.

Conductive zone 3, situated in the southern part of the claim group, is centered over a weak magnetic high. It could represent a possible shear within the migmatite-metasedimentary - metavolcanic complex.

Conductive zone 4 and the western parts of zone 5 are located over a weak magnetic low and could be east-west striking shear zones within the migmatite-metasedimentary-metavolcanic complex.

Zone 6 and 6A and the eastern end of zone 5 and located along the edges of magnetic highs that could represent a contact between the metavolcanic rocks and the migmatite-metasedimentary-metamorphic complex or a mafic sill. They are possible shear zones associated with the contact or intrusive body.

Conductive Zone 7, located just west of Flatt Lake, is situated near the metavolcanic and migmatite-metasedimentary-metavolcanic contact outlined on sheet 2166. It could be a shear zone bordering this contact.

Conductive zone 9 and the west limb of zone 8 are associated with small magnetic highs, are situated along strike approximately 1.25 km east of a sulphide showing. They could be caused by a possible sulphide conductor.

Conductive zone 11 is comprised of 2 limbs located over the south edge of the east-west striking magnetic highs in the northern part of the claim block. This zone may represent a shear or sulphide mineralization associated with a possible contact between iron formation/amphibolite unit/ultramafic sill and the greywacke.

Conductive zone 12 situated between two magnetic highs may represent a possible shear within greywacke located between two parallel bands of iron formation, amphibolite units or ultramafic sills.

Conductive zones 13 through 20 are cross-cutting zones striking 305° to 360° . Conductor 15 follows the distortion of magnetic contours in the northwest corner of the property and could be a shear.

Zones 16 and 17 are located just south of the magnetic highs in the vicinity of a possible contact between the iron formation/ultramafic sill/amphibolite and the metavolcanic rocks. They may represent parallel striking shears within the metavolcanics, south of the contact.

Conductor 20 was delineated in the southwestern corner of the claim block, along the western edge of a small magnetic high.

Numerous short one or two line conductors were also outlined within the property boundaries by the electromagnetic survey.

CONCLUSIONS AND RECOMMENDATIONS

The results of the magnetic survey indicate approximately one half of the property is underlain by rocks generally exhibiting low magnetic relief. This could reflect the underlying homogeneous intermediate or mafic metavolcanic rocks, exhibiting a constant magnetic content. In the north of the claim block a series of magnetic highs may represent possible bands of iron formation, amphibolite or ultramafic sills located within the greywacke. South of the area of low relief, just north of the Fergus - Ecclestone and Opasatika Township lines, a series of magnetic highs could outline a possible contact between the metavolcanic rocks to the north and migmatite - metasedimentary - metamorphic complex to the south.

Twenty one conductive zones were delineated by the VLF-electromagnetic survey. The probable bedrock responses indicating underlying shear zone/or sulphide mineralization located near possible geological contacts represent targets for gold mineralization.

Further exploration work is warranted on the property. Since it appears that most of the property is overburden covered, a program of ground geophysics is recommended. A horizontal loop-Em survey should be carried out in an attempt to locate and define the conductive zones. A ground magnetic vertical gradient survey, at close station spacings, should be performed to delineate geological contacts and/or structures and to help rate electromagnetic conductors as potential drill targets.

Respectfully submitted,

H. Ferderber Geophysics Ltd.,

A handwritten signature in cursive script, appearing to read "RA Campbell".

R. A. Campbell B.Sc.,
Geologist

APPENDIX 1 CLAIM LIST

Ecclestone Twp.

P 866558	P 875717	P 875835	P 875876
P 868559	P 875718	P 875836	P 875877
P 858560	P 875719	P 875837	P 875878
P 868561	P 875720	P 875838	P 875879
P 871851	P 875721	P 875839	P 875880
P 871852	P 875722	P 875840	P 875881
P 871853	P 875723	P 875841	P 875882
P 871854	P 875724	P 875842	P 875883
P 871855	P 875801	P 875843	P 875884
P 871856	P 875802	P 875844	P 875885
P 871857	P 875804	P 875845	P 875886
P 871858	P 875805	P 875846	P 875887
P 871859	P 875806	P 875847	P 875888
P 871860	P 875807	P 875848	P 875889
P 871861	P 875808	P 875849	P 875890
P 871862	P 875809	P 875850	P 875891
P 871863	P 875810	P 875851	P 875892
P 871864	P 875811	P 875852	P 876101
P 871865	P 875812	P 875853	P 876102
P 871866	P 875813	P 875854	P 876103
P 871867	P 875814	P 875855	P 876104
P 871868	P 875815	P 875856	P 876105
P 871869	P 875816	P 875857	P 876106
P 871870	P 875817	P 875858	P 876107
P 871871	P 875818	P 875859	P 876108
P 875701	P 875819	P 875860	P 876109
P 875702	P 875820	P 875861	P 876110
P 875703	P 875821	P 875862	P 876111
P 875704	P 875822	P 875863	P 876112
P 875705	P 875823	P 875864	P 876113
P 875706	P 875824	P 875865	P 876114
P 875707	P 875825	P 875866	P 876115
P 875708	P 875826	P 875867	P 876116
P 875709	P 875827	P 875868	P 876117
P 875710	P 875828	P 875869	
P 875711	P 875829	P 875870	P 876119
P 875712	P 875830	P 875871	P 876120
P 875713	P 875831	P 875872	P 876121
P 875714	P 875832	P 875873	
P 875715	P 875833	P 875874	
P 875716	P 875834	P 875875	P 876124

Fergus Township

P 868556	P 875654	P 875933
P 868557	P 875655	P 875948
P 871801	P 875656	P 875949
P 871806	P 875657	P 875950
P 875608	P 875658	P 875951
P 875609	P 875659	P 875952
P 875610	P 875904	P 875953
P 875611	P 875905	P 875954
P 875612	P 875906	P 875955
P 875613	P 875907	P 875970
P 875614	P 875908	P 875971
P 875615	P 875909	P 875972
P 875630	P 875810	P 875973
P 875631	P 875911	P 875974
P 875632	P 875926	P 875975
P 875633	P 875927	P 875976
P 875634	P 875928	P 875977
P 875635	P 875929	P 875992
P 875636	P 875930	P 875993
P 875637	P 875931	P 875994
P 875653	P 875932	P 875995

Opasatika Township

P 868562	P 868584
P 868563	P 868585
P 868564	P 868586
P 868565	P 868587
P 868566	P 868588
P 868567	P 868589
P 868568	P 868590
P 868569	P 868591
P 868570	P 868592
P 868571	P 868593
P 868572	P 868594
P 868573	P 868595
P 868574	P 868596
P 868575	P 868597
P 868576	P 868598
P 868577	P 868599
P 868578	P 868600
P 868579	P 871802
P 868580	P 871803
P 868581	P 871804
P 868582	P 871805
P 868583	P 871872



W8606.350

The Mi

Type of Survey(s) **AIRBORNE MAGNETOMETER VLF-EM** LOCATED BY FILE **OPASATIKA, FERGUS**
ECCESTONE TWP. S.

Claim Holder(s) **(C. PECKER - M23007) (D. MCKINNON - M21073) (H. ST. LOUIS - M21084) (J. P. ... M23107)** Prospector's Licence No.

Address **Box 1130, TIMMINS, ONT. P4N 7S6**

Survey Company **H. FERDERBER GEOPHYSICS** Date of Survey (from & to) **6th Day | 11th Mo. | 86th Yr. | 12th Day | 11th Mo. | 86th Yr.** Total Miles of line Cur **322**

Name and Address of Author (of Geo-Technical report) **FENTON SCOTT, 17 MALABAR PLACE, DON MILLS ONT.**

Credits Requested per Each Claim in Columns at right

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
For each additional survey: using the same grid: Enter 20 days (for each)	Geological	
	Geochemical	
Man Days Complete reverse side and enter total(s) here	Geophysical	Days per Claim
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
Airborne Credits Note: Special provisions credits do not apply to Airborne Surveys.	Geological	
	Geochemical	
	Electromagnetic VLF	30
	Magnetometer	30
	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Prefix	Mining Claim Number	Expend. Days Cr.	Prefix	Mining Claim Number	Expend. Days Cr.
LIST ATTACHED					
RECEIVED NOV 20 1986 MINING LANDS SECTION					
RECORDED NOV 17 1986					
RECEIVED NOV 17 1986					

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditure Days Credits

Total Expenditures \$ ÷ 15 = Total Days Credits

Instructions
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Total number of mining claims covered by this report of work. **268**

For Office Use Only

Total Days Cr. Recorded **16,080** Date Recorded **Nov. 17/86** Mining Recorder *[Signature]*

Date Approved as Recorded **8/2/86** Branch *[Signature]*

Date **Nov. 17/86** Recorded Holder or Agent (Signature) *[Signature]*

Certification Verifying Report of Work

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

Name and Postal Address of Person Certifying **Don MCKINNON, Box 1130, TIMMINS, ONT. P4N 7S6.**

Date Certified **Nov. 17/86** Certified by (Signature) *[Signature]*

FERGUS TWP.

P.875656	P.875654	P.875633
P.875657	P.875655	P.875634
P.875658	P.875656	P.875635
P.875659	P.875657	P.875636
P.875660	P.875658	P.875637
P.875661	P.875659	P.875638
P.875662	P.875660	P.875639
P.875663	P.875661	P.875640
P.875664	P.875662	P.875641
P.875665	P.875663	P.875642
P.875666	P.875664	P.875643
P.875667	P.875665	P.875644
P.875668	P.875666	P.875645
P.875669	P.875667	P.875646
P.875670	P.875668	P.875647
P.875671	P.875669	P.875648
P.875672	P.875670	P.875649
P.875673	P.875671	P.875650
P.875674	P.875672	P.875651
P.875675	P.875673	P.875652
P.875676	P.875674	P.875653
P.875677	P.875675	P.875654
P.875678	P.875676	P.875655
P.875679	P.875677	P.875656
P.875680	P.875678	P.875657
P.875681	P.875679	P.875658
P.875682	P.875680	P.875659
P.875683	P.875681	P.875660
P.875684	P.875682	P.875661
P.875685	P.875683	P.875662
P.875686	P.875684	P.875663
P.875687	P.875685	P.875664
P.875688	P.875686	P.875665

ECCLESTONE TWP.

P. 875538	P. 875717	P. 875838	P. 875959
P. 875559	P. 875718	P. 875839	P. 875960
P. 875560	P. 875719	P. 875840	P. 875961
P. 875561	P. 875720	P. 875841	P. 875962
P. 871851	P. 875721	P. 875842	P. 875963
P. 871852	P. 875722	P. 875843	P. 875964
P. 871853	P. 875723	P. 875844	P. 875965
P. 871854	P. 875724	P. 875845	P. 875966
P. 871855	P. 875801	P. 875846	P. 875967
P. 871856	P. 875802	P. 875847	P. 875968
P. 871857	P. 875804	P. 875848	P. 875969
P. 871858	P. 875805	P. 875849	P. 875970
P. 871859	P. 875806	P. 875850	P. 875971
P. 871860	P. 875807	P. 875851	P. 875972
P. 871861	P. 875808	P. 875852	P. 875973
P. 871862	P. 875809	P. 875853	P. 875974
P. 871863	P. 875810	P. 875854	P. 875975
P. 871864	P. 875811	P. 875855	P. 875976
P. 871865	P. 875812	P. 875856	P. 875977
P. 871866	P. 875813	P. 875857	P. 875978
P. 871867	P. 875814	P. 875858	P. 875979
P. 871868	P. 875815	P. 875859	P. 875980
P. 871869	P. 875816	P. 875860	P. 875981
P. 871870	P. 875817	P. 875861	P. 875982
P. 871871	P. 875818	P. 875862	P. 875983
P. 875701	P. 875819	P. 875863	P. 875984
P. 875702	P. 875820	P. 875864	P. 875985
P. 875703	P. 875821	P. 875865	P. 875986
P. 875704	P. 875822	P. 875866	P. 875987
P. 875705	P. 875823	P. 875867	P. 875988
P. 875706	P. 875824	P. 875868	P. 875989
P. 875707	P. 875825	P. 875869	P. 875990
P. 875708	P. 875826	P. 875870	P. 875991
P. 875709	P. 875827	P. 875871	P. 875992
P. 875710	P. 875828	P. 875872	P. 875993
P. 875711	P. 875829	P. 875873	P. 875994
P. 875712	P. 875830	P. 875874	P. 875995
P. 875713	P. 875831	P. 875875	P. 875996
P. 875714	P. 875832	P. 875876	
P. 875715	P. 875833	P. 875877	
P. 875716	P. 875834	P. 875878	P. 875997

OFARZATINA TWP.

P.868562	P.868584
P.868563	P.868585
P.868564	P.868586
P.868565	P.868587
P.868566	P.868588
P.868567	P.868589
P.868568	P.868590
P.868569	P.868591
P.868570	P.868592
P.868571	P.868593
P.868572	P.868594
P.868573	P.868595
P.868574	P.868596
P.868575	P.868597
P.868576	P.868598
P.868577	P.868599
P.868578	P.868600
P.868579	P.871802
P.868580	P.871803
P.868581	P.871804
P.868582	P.871805
P.868583	P.871872



Ontario

Ministry of Natural Resources

File _____

GEOPHYSICAL - GEOLOGICAL - GEOCHEMICAL
TECHNICAL DATA STATEMENT

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) Airborne VLF-EM and Magnetometer
Township or Area Opasatika, Fergus and Ecclestone
Claim Holder(s) C. Perver, D. McKinnon, H. St. Louis
L. Salo, R. Salo, M. Mills, R. Levert
Survey Company H. Ferderber Geophysics Ltd.
Author of Report R. A. Campbell
Address of Author 169 Perreault Avenue, Val d'Or, Que
Covering Dates of Survey Nov. 11 - Nov. 12, 1986
(linecutting to office)
Total Miles of Line flown 244.5

MINING CLAIMS TRAVERSED
List numerically

P. 868556 et al.
(prefix) (number)
see attached list

SPECIAL PROVISIONS
CREDITS REQUESTED

DAYS
per claim

ENTER 40 days (includes
line cutting) for first
survey.
ENTER 20 days for each
additional survey using
same grid.

Geophysical
-Electromagnetic _____
-Magnetometer _____
-Radiometric _____
-Other _____
Geological _____
Geochemical _____

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

Magnetometer 30 Electromagnetic 30 Radiometric _____
(enter days per claim)

DATE: Jan 12, 1987 SIGNATURE: R.A. Campbell
Author of Report or Agent

Res. Geol. _____ Qualifications 26609

Previous Surveys

File No.	Type	Date	Claim Holder

TOTAL CLAIMS 268

If space insufficient, attach list

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) VLF-EM and Magnetometer

Instrument(s) Herz Totem 2AG and GEM GSM 9Ba
(specify for each type of survey)

Accuracy 1% and 0.5 gammas
(specify for each type of survey)

Aircraft used Cessna 172

Sensor altitude 250 feet

Navigation and flight path recovery method Visual navigation on airphoto

Mosaic, manual fiducial points

Aircraft altitude 250 feet Line Spacing 440 feet

Miles flown over total area 244.5 Over claims only 207.3

Fergus Township

P 868556	P 875654	P 875933
P 868557	P 875655	P 875948
P 871801	P 875656	P 875949
P 871806	P 875657	P 875950
P 875608	P 875658	P 875951
P 875609	P 875659	P 875952
P 875610	P 875904	P 875953
P 875611	P 875905	P 875954
P 875612	P 875906	P 875955
P 875613	P 875907	P 875970
P 875614	P 875908	P 875971
P 875615	P 875909	P 875972
P 875630	P 875810	P 875973
P 875631	P 875911	P 875974
P 875632	P 875926	P 875975
P 875633	P 875927	P 875976
P 875634	P 875928	P 875977
P 875635	P 875929	P 875992
P 875636	P 875930	P 875993
P 875637	P 875931	P 875994
P 875653	P 875932	P 875995

Opasatika Township

P 868562	P 868584
P 868563	P 868585
P 868564	P 868586
P 868565	P 868587
P 868566	P 868588
P 868567	P 868589
P 868568	P 868590
P 868569	P 868591
P 868570	P 868592
P 868571	P 868593
P 868572	P 868594
P 868573	P 868595
P 868574	P 868596
P 868575	P 868597
P 868576	P 868598
P 868577	P 868599
P 868578	P 868600
P 868579	P 871802
P 868580	P 871803
P 868581	P 871804
P 868582	P 871805
P 868583	P 871872

CLAIM LIST

Ecclestone Twp.

P 866558	P 875717	P 875835	P 875876
P 868559	P 875718	P 875836	P 875877
P 858560	P 875719	P 875837	P 875878
P 868561	P 875720	P 875838	P 875879
P 871851	P 875721	P 875839	P 875880
P 871852	P 875722	P 875840	P 875881
P 871853	P 875723	P 875841	P 875882
P 871854	P 875724	P 875842	P 875883
P 871855	P 875801	P 875843	P 875884
P 871856	P 875802	P 875844	P 875885
P 871857	P 875804	P 875845	P 875886
P 871858	P 875805	P 875846	P 875887
P 871859	P 875806	P 875847	P 875888
P 871860	P 875807	P 875848	P 875889
P 871861	P 875808	P 875849	P 875890
P 871862	P 875809	P 875850	P 875891
P 871863	P 875810	P 875851	P 875892
P 871864	P 875811	P 875852	P 876101
P 871865	P 875812	P 875853	P 876102
P 871866	P 875813	P 875854	P 876103
P 871867	P 875814	P 875855	P 876104
P 871868	P 875815	P 875856	P 876105
P 871869	P 875816	P 875857	P 876106
P 871870	P 875817	P 875858	P 876107
P 871871	P 875818	P 875859	P 876108
P 875701	P 875819	P 875860	P 876109
P 875702	P 875820	P 875861	P 876110
P 875703	P 875821	P 875862	P 876111
P 875704	P 875822	P 875863	P 876112
P 875705	P 875823	P 875864	P 876113
P 875706	P 875824	P 875865	P 876114
P 875707	P 875825	P 875866	P 876115
P 875708	P 875826	P 875867	P 876116
P 875709	P 875827	P 875868	P 876117
P 875710	P 875828	P 875869	
P 875711	P 875829	P 875870	P 876119
P 875712	P 875830	P 875871	P 876120
P 875713	P 875831	P 875872	P 876121
P 875714	P 875832	P 875873	
P 875715	P 875833	P 875874	
P 875716	P 875834	P 875875	P 876124

FERGUS

DISTRICT OF COCHRANE

PORCUPINE MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

LEGEND

PATENTED LAND	⊙
CROWN LAND SALE	C.S.
LEASES	⊙
LOCATED LAND	L.C.
LICENSE OF OCCUPATION	L.O.
MINING RIGHTS ONLY	M.R.O.
SURFACE RIGHTS ONLY	S.R.O.
ROADS	—
IMPROVED ROADS	—
KING'S HIGHWAYS	—
RAILWAYS	—
POWER LINES	—
MARSH OR MUSKEG	—
MINES	⊙
CANCELLED	C.

NOTES

400' Surface Rights Reservation around all Lakes and Rivers.

SAND & GRAVEL

⊙ GRAVEL FILE 188826

RYKERT TWP M-1083

ECCLESTONE TWP M-776

OPAZATIKA TWP M-1038

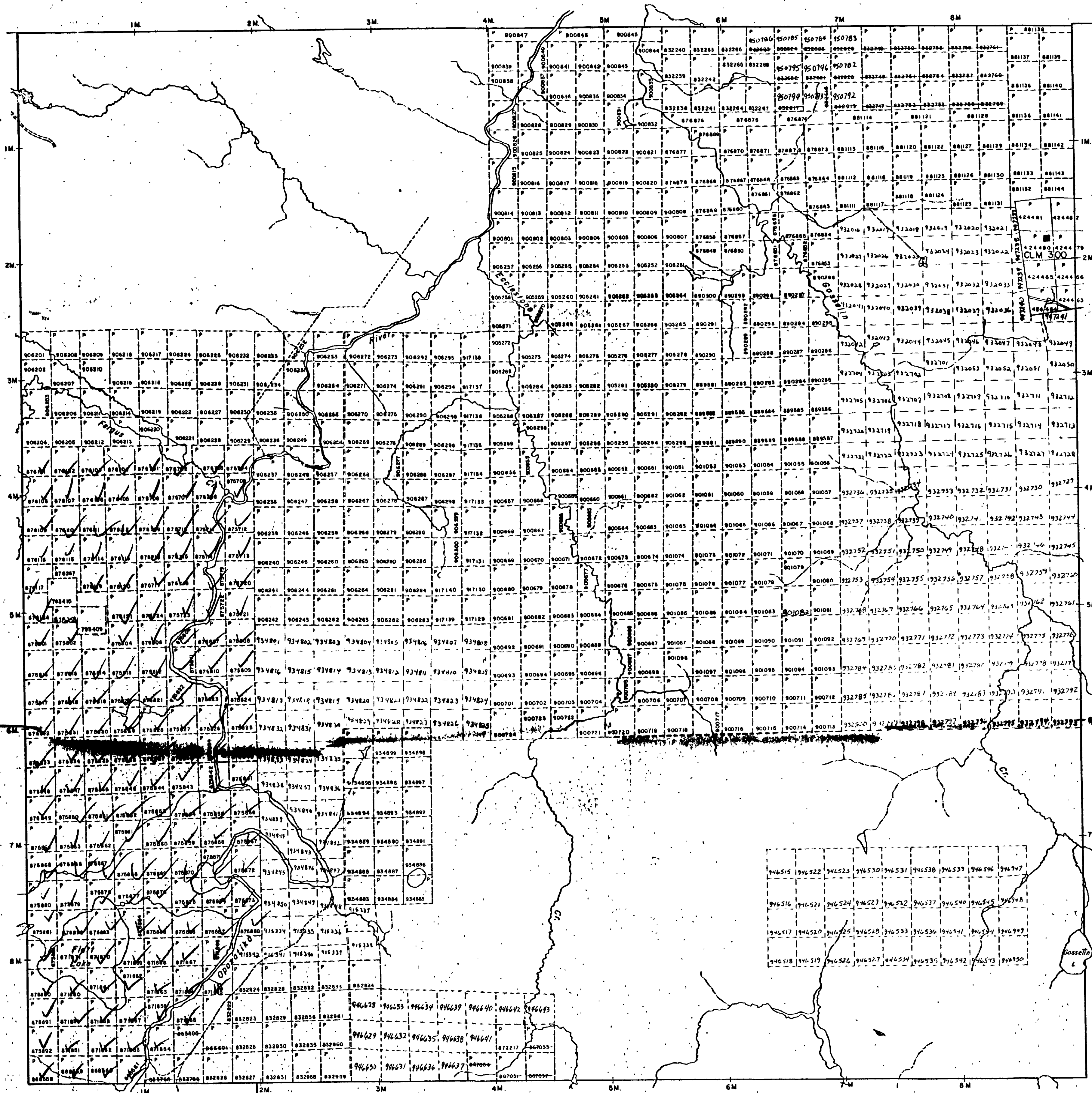


DEC 0

PLAN NO. M-807

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

PARNELL TWP.



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, 1912, VESTED IN ORIGINAL PATENTEES BY THE PUBLIC LANDS ACT, R.S.O. 1976, CHAP. 280, SEC. 53, SUBSEC. 1.

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



SCALE: 1 INCH = 40 CHAINS

FEET: 0 1000 2000 4000 6000 8000

METRES: 0 200 400 600 800 1000 1200 1400 1600 1800 2000

ACRES: 40

HECTARES: 16

TOWNSHIP OF
ECCLESTONE
DISTRICT OF
COCHRANE
MINING DIVISION
PORCUPINE

Ministry of Natural Resources Ontario
Ministry of Northern Development and Mines

Date: JULY 1986
National Topographic Series
Plan No. G-869



BOURINOT TWP.

REFERENCE

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. - MINING RIGHTS ONLY

S.R.O. - SURFACE RIGHTS ONLY

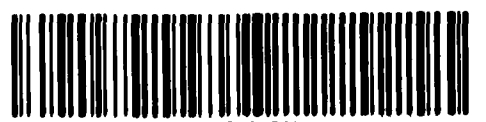
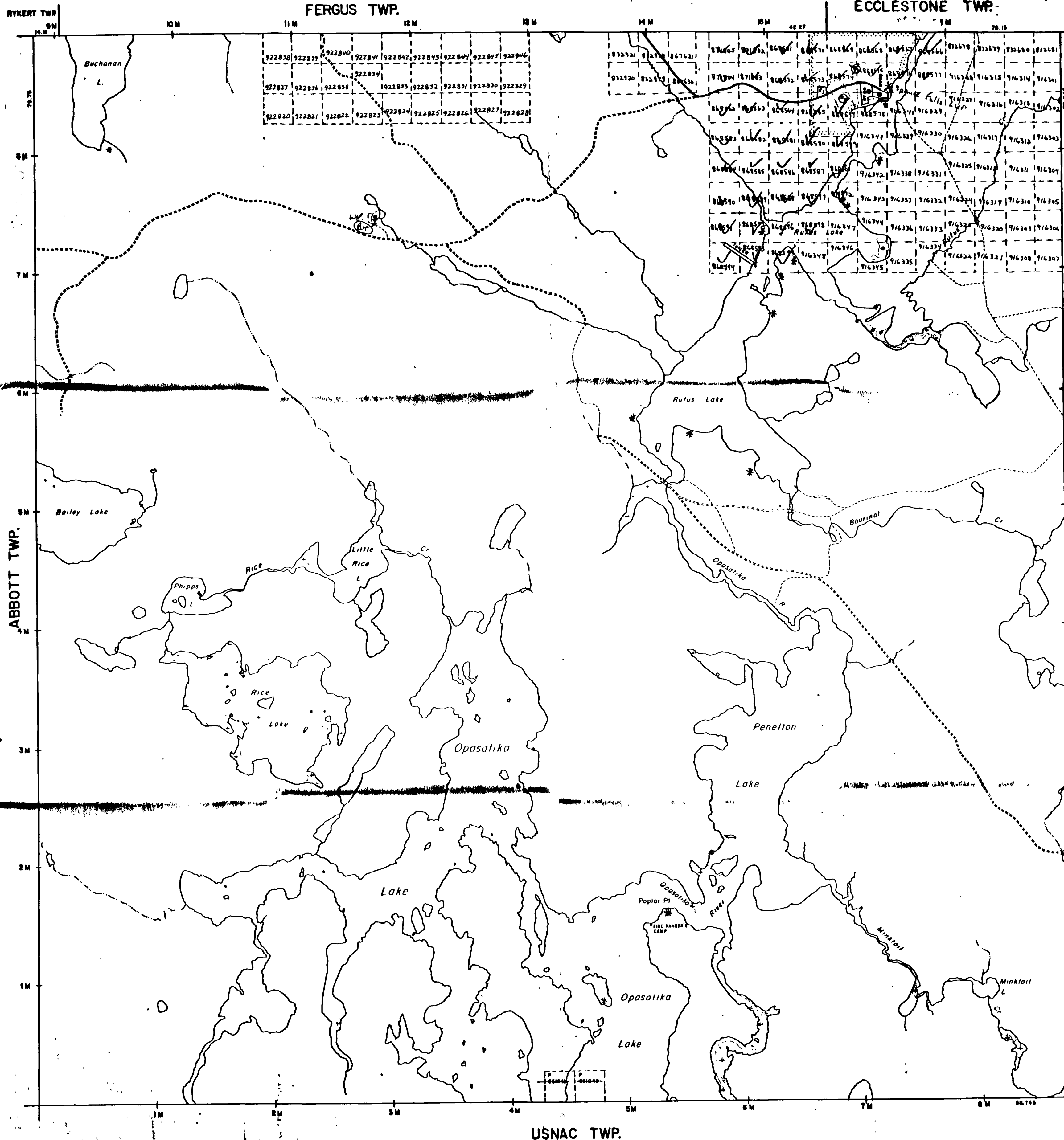
M+S. - MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File
①	820-10-70	05/14/70	Re-opened	1044000-4-2
②			Re-opened	
③			Re-opened	
④			Re-opened	
⑤			Re-opened	
⑥			Re-opened	
⑦			Re-opened	
⑧			Re-opened	
⑨			Re-opened	
⑩			Re-opened	
⑪			Re-opened	
⑫			Re-opened	
⑬			Re-opened	
⑭			Re-opened	
⑮			Re-opened	
⑯			Re-opened	
⑰			Re-opened	
⑱			Re-opened	
⑲			Re-opened	
⑳			Re-opened	
㉑			Re-opened	
㉒			Re-opened	
㉓			Re-opened	
㉔			Re-opened	
㉕			Re-opened	
㉖			Re-opened	
㉗			Re-opened	
㉘			Re-opened	
㉙			Re-opened	
㉚			Re-opened	
㉛			Re-opened	
㉜			Re-opened	
㉝			Re-opened	
㉞			Re-opened	
㉟			Re-opened	
㊱			Re-opened	
㊲			Re-opened	
㊳			Re-opened	
㊴			Re-opened	
㊵			Re-opened	
㊶			Re-opened	
㊷			Re-opened	
㊸			Re-opened	
㊹			Re-opened	
㊺			Re-opened	
㊻			Re-opened	
㊼			Re-opened	
㊽			Re-opened	
㊾			Re-opened	
㊿			Re-opened	

① 820-10-70 05/14/70 1044000-4-2
 ② Re-opened
 ③ Re-opened
 ④ Re-opened
 ⑤ Re-opened
 ⑥ Re-opened
 ⑦ Re-opened
 ⑧ Re-opened
 ⑨ Re-opened
 ⑩ Re-opened
 ⑪ Re-opened
 ⑫ Re-opened
 ⑬ Re-opened
 ⑭ Re-opened
 ⑮ Re-opened
 ⑯ Re-opened
 ⑰ Re-opened
 ⑱ Re-opened
 ⑲ Re-opened
 ⑳ Re-opened
 ㉑ Re-opened
 ㉒ Re-opened
 ㉓ Re-opened
 ㉔ Re-opened
 ㉕ Re-opened
 ㉖ Re-opened
 ㉗ Re-opened
 ㉘ Re-opened
 ㉙ Re-opened
 ㉚ Re-opened
 ㉛ Re-opened
 ㉜ Re-opened
 ㉝ Re-opened
 ㉞ Re-opened
 ㉟ Re-opened
 ㊱ Re-opened
 ㊲ Re-opened
 ㊳ Re-opened
 ㊴ Re-opened
 ㊵ Re-opened
 ㊶ Re-opened
 ㊷ Re-opened
 ㊸ Re-opened
 ㊹ Re-opened
 ㊺ Re-opened
 ㊻ Re-opened
 ㊼ Re-opened
 ㊽ Re-opened
 ㊾ Re-opened
 ㊿ Re-opened

* L.U.P. (Land Use Permit)

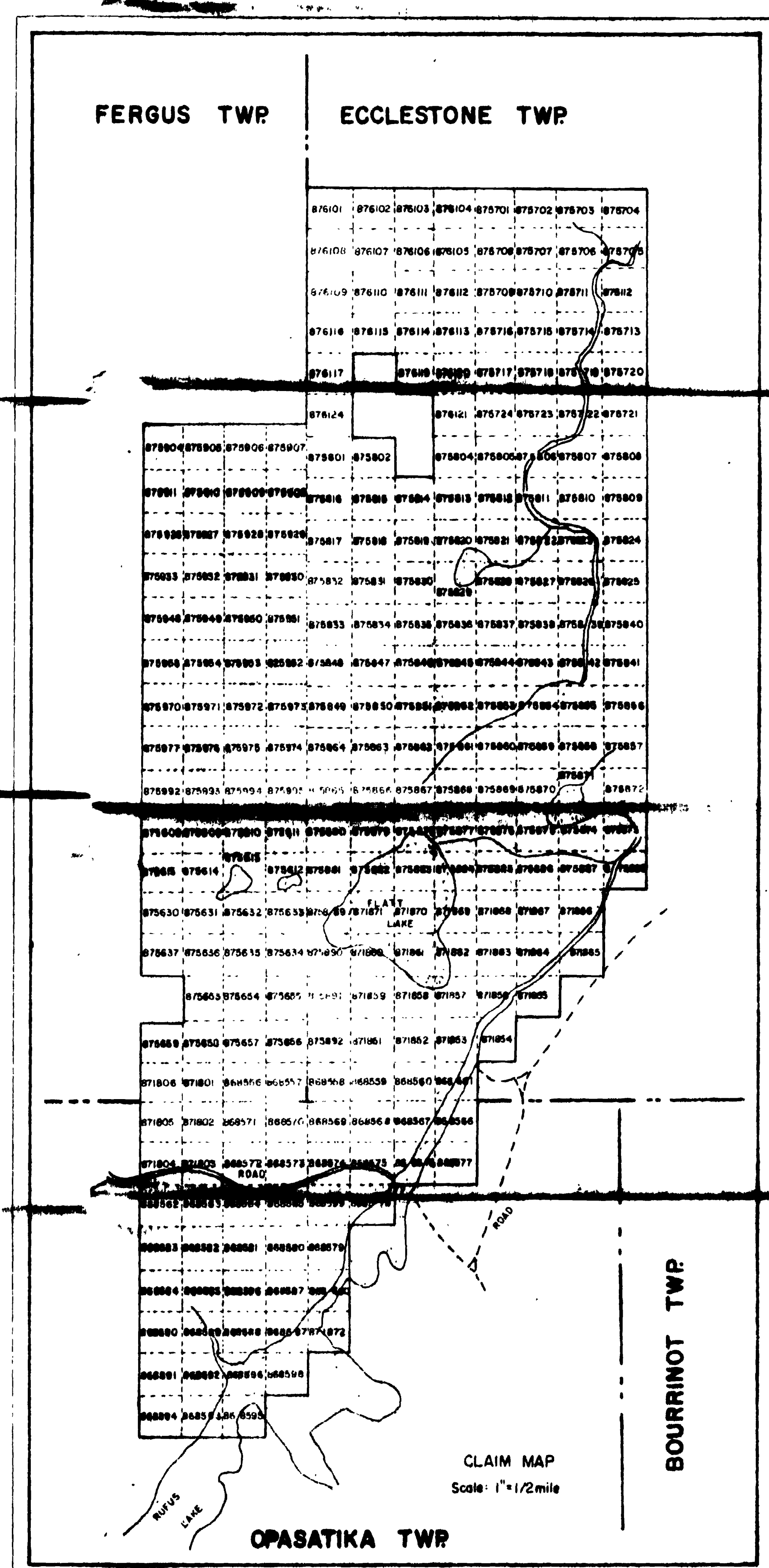
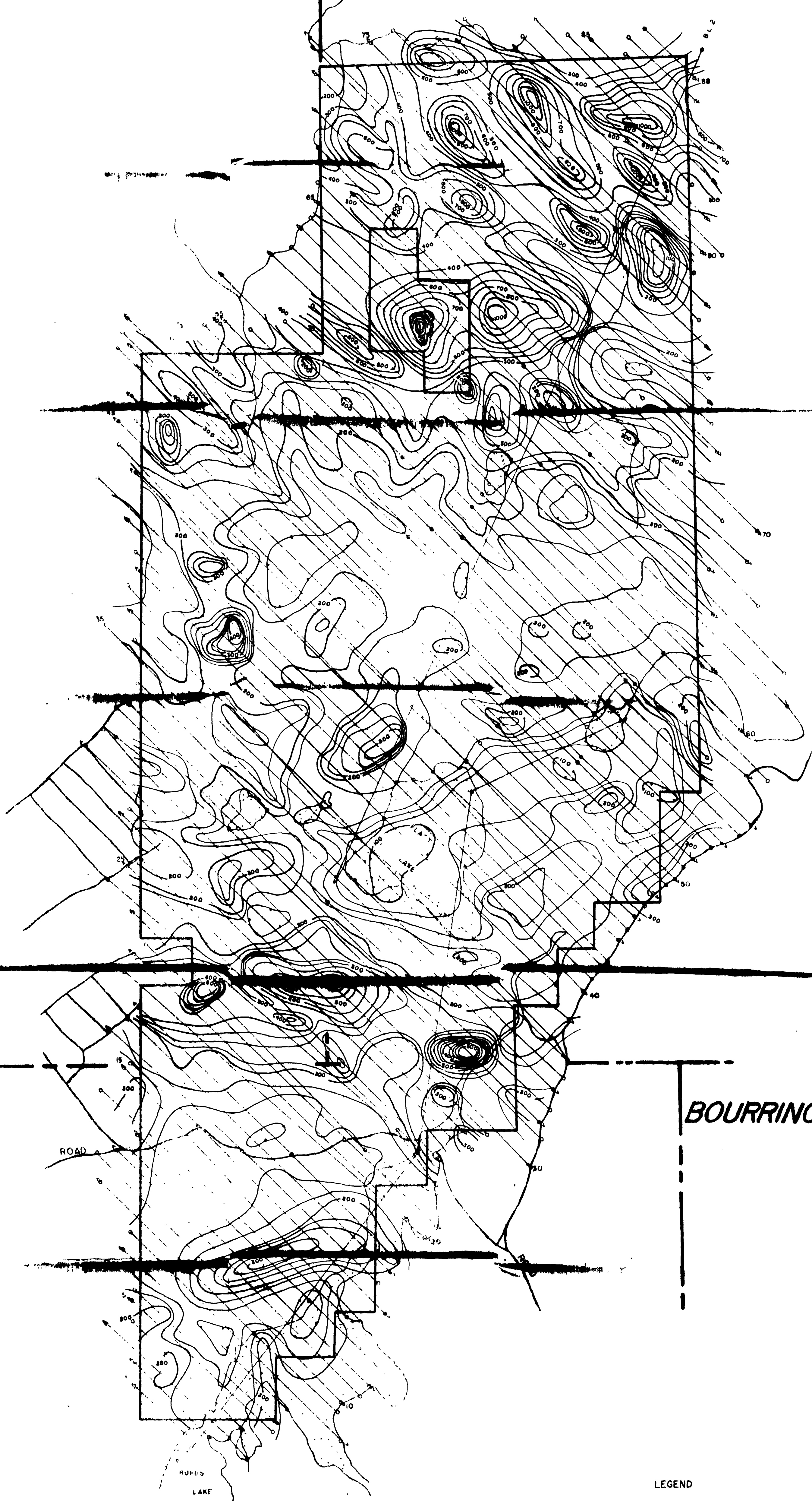
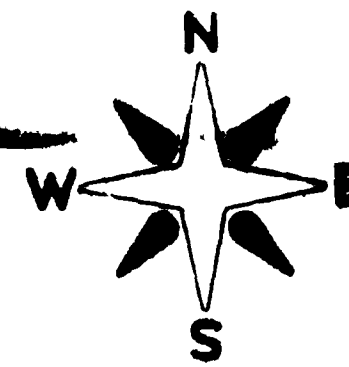
④ DUMP LEACHATE ZONE



4200050001 2.0504 ECCLESTONE

FERGUS TWP

ECCLESTONE TWP



BOURRINOT TWP

BOURRINOT TWP

OPASATIKA TWP

OPASATIKA TWP

- LEGEND
- Total field contour interval 1000 gammas
 - Total field contour interval 100 gammas
 - Total field contour interval 50 gammas
 - o Fiducial point
 - > Line direction
 - Base value 59000 gammas
 - o Magnetic low

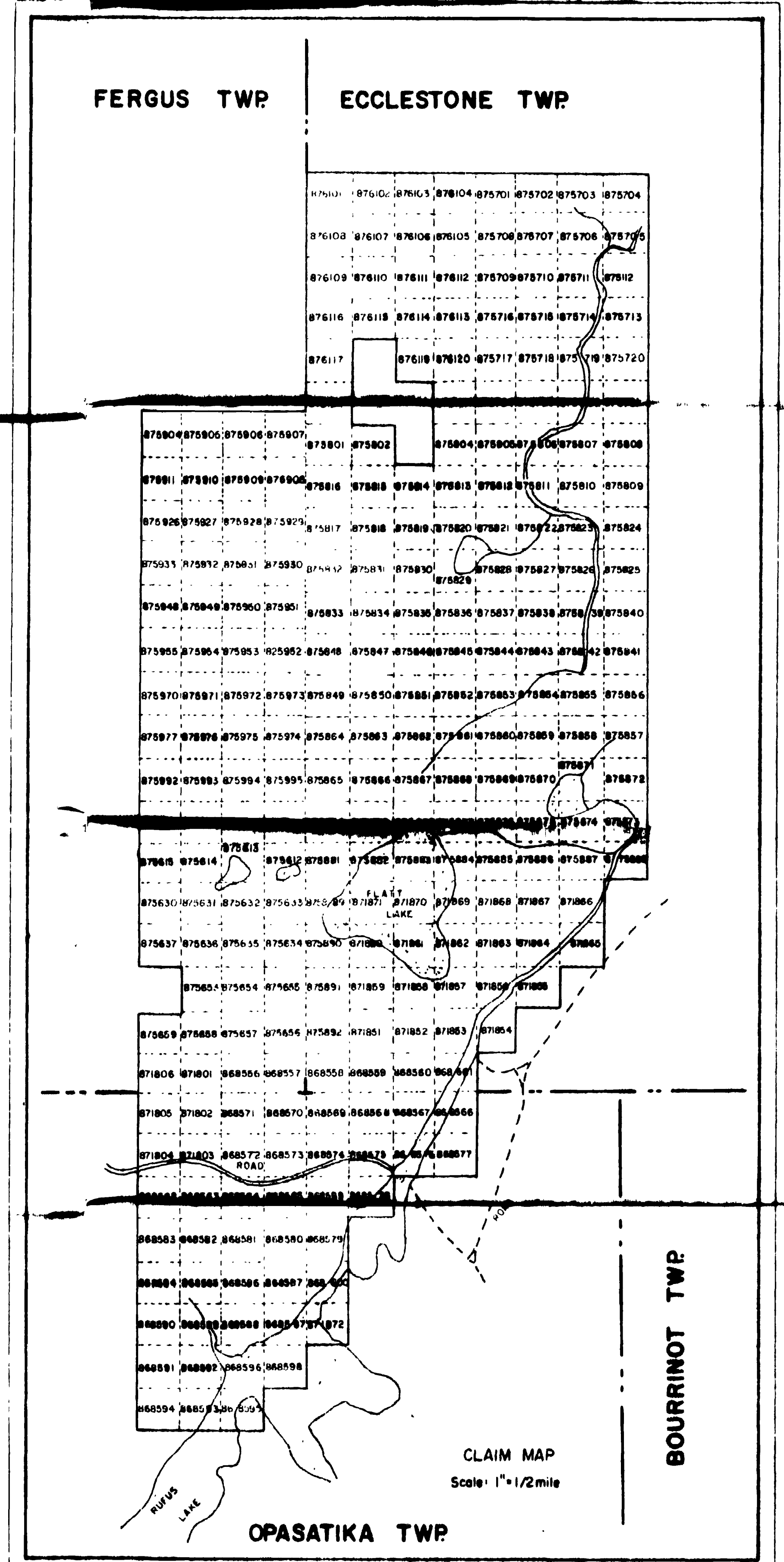
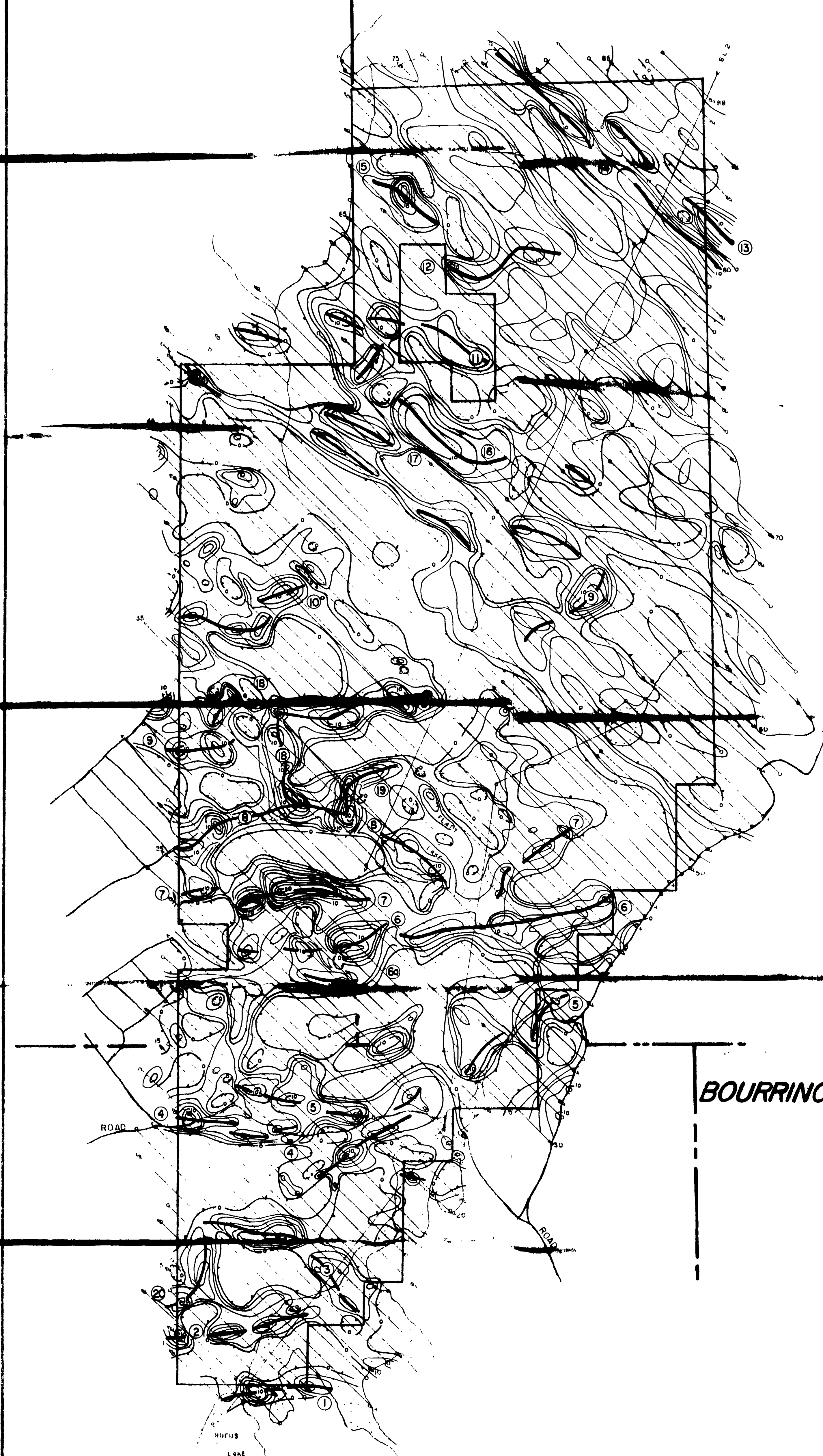
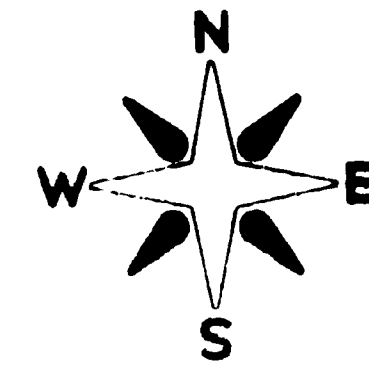
29694

TYPE OF WORK		AIRBORNE MAGNETIC SURVEY	
CLIENT		GOLDEN TRIO (MCKINNON)	
PROJECT	AREA	FERGUS, OPASATIKA, ECCLESTONE, TOWNS, ONT.	
	SCALE	1:20000	DATE
		1978	DECEMBER 1988
 H. Fardoulis Geophysics Ltd.		MAP OR SHEET NO.	MG-1



FERGUS TWP

ECCLESTONE TWP



BOURRINOT TWP

BOURRINOT TWP

OPASATIKA TWP

OPASATIKA TWP

- LEGEND
- Total field contour interval 10%
 - Total field contour interval 2%
 - Conductor axis
 - o Fiducial point
 - ◄ direction
- Station used - Seattle, Washington, (NLK 24.8 KHz).

29694

TYPE OF WORK		V.L.F.-EM AIRBORNE SURVEY	
CLIENT		GOLDEN TRIO (McKINNON)	
PROJECT	AREA	FERGUS, OPASATIKA, ECCLESTONE, TWPS, ONT	
SCALE	DATE	1:20000	DECEMBER 1986
DRAWN BY	MAP OR SURVEY ID	AS.M.	EM-1
H. Ferderber Geophysics Ltd.			

