



42A15NE0020 2.5631 EDWARDS

010

REPORT
ON AN
AEROMAGNETIC SURVEY

EDWARDS AND TEEFY TOWNSHIPS
IROQUOIS FALLS AREA
NORTHERN ONTARIO

CANAMAX RESOURCES INC.

RECEIVED

JUN 15 1983

MINING LANDS SECTION

JUNE, 1983

A. WATTS
GEOPHYSICIST

22910



42A15NE0020 2.5631 EDWARDS

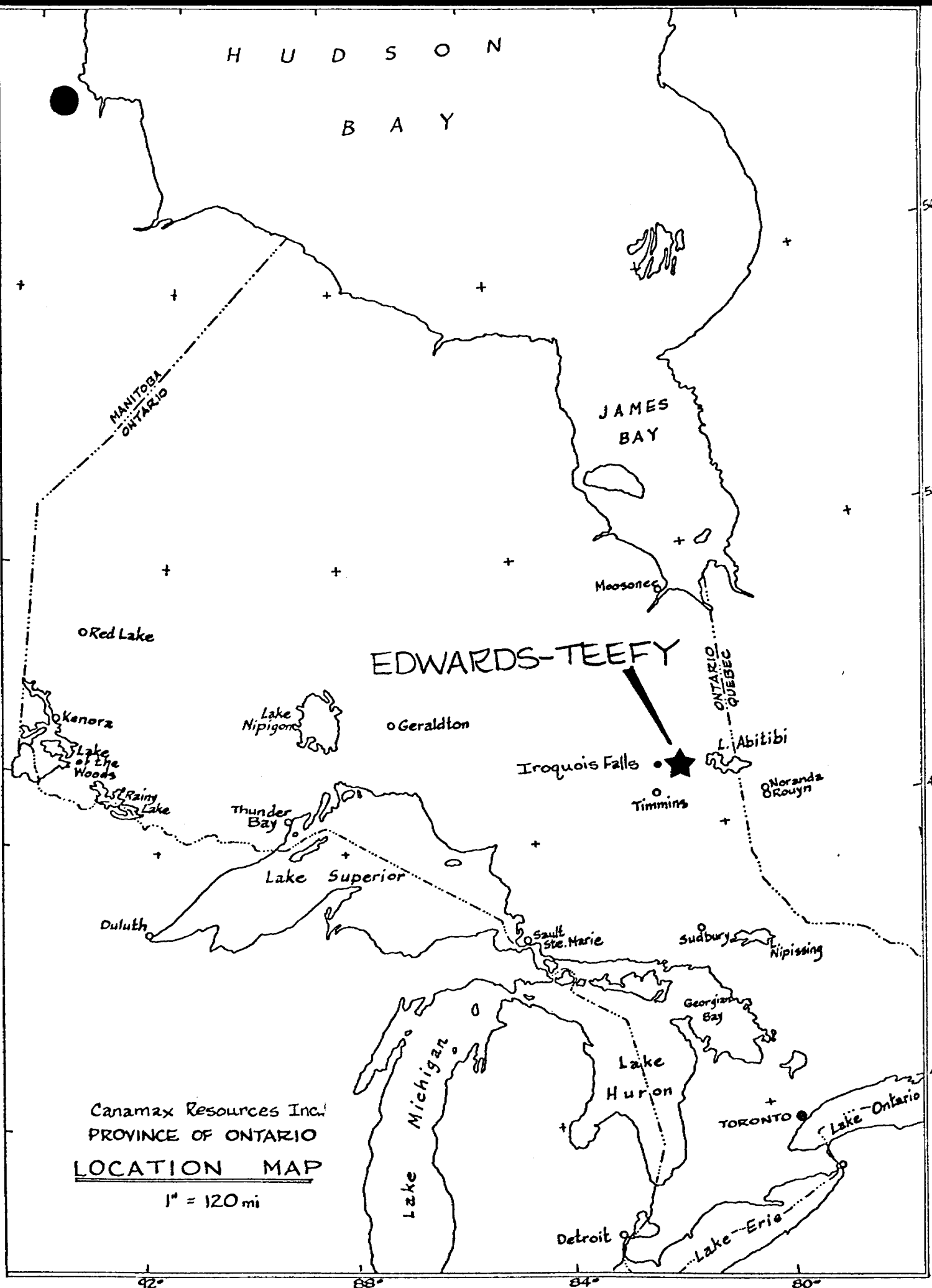
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Edwards and Teefy Township
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Edwards Township



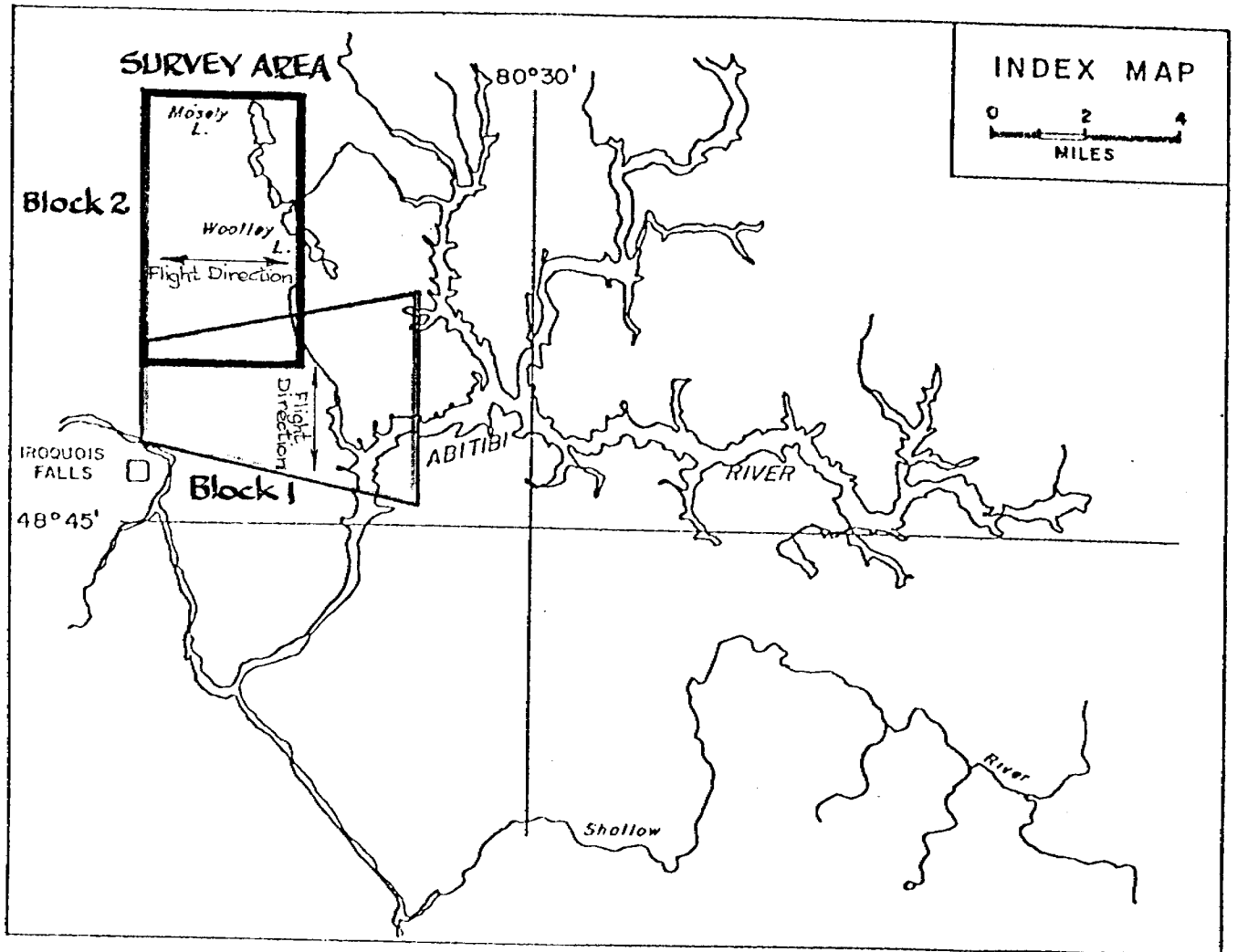
INTRODUCTION

During the period December 5-9, 1982, Aerodat Limited of Malton, Ontario, undertook an aeromagnetic survey in Edwards and Teefy Townships, Northern Ontario, for Canamax Resources Inc. Suite 1302, 7 King St. East, Toronto.

The survey was flown in two blocks (see attached Fig. 1) with flight-line direction N-S in the south block (Block 1) and E-W in the north block (Block 2). Flight-line spacing was a nominal 200 metres for both blocks.

The objective of the survey was to assist in the interpretation of airborne electromagnetic data which was collected concurrently with the aeromagnetic survey, and also to aid in the tracing out of major lithologic units in the survey area.

Personnel directly involved with the survey were the pilot, Bert Simon, Equipment Operator/Party Chief, Wally Bayko, and J. Roth, Canamax Chief Geophysicist.



CANAMAX RESOURCES INC.
SURVEY AREA
EDWARDS - TEEFY TWPS.

FIG. 1

PREVIOUS EXPLORATION

The portion of Teefy Township (North half) covered by the present survey has for several reasons undergone very little prior exploration, the most important of which is the presence of a thick (up to 200 feet) layer of conductive clay overburden whose presence is compounded by a high voltage power line immediately south of the survey block. This powerline connects to the hydro-electric development on the Abitibi River east of Iroquois Falls. Because of inductive EM coupling between the powerline and overburden, ground and airborne EM techniques were of limited use in the area until the recent advent of sophisticated electronic noise-rejection systems.

In the Edwards Township portion of the survey (mostly Block 2) somewhat more exploration has taken place. Canadian Javelin Ltd. held extensive land claims in the west-central portion of the township. They drilled numerous EM targets immediately west of Wooley Lake, following-up Canadian-Aero AEM anomalies. In N-E Edwards Township Glen Lake Silver Mines carried out extensive Turam surveys. The single conductive trend which they drilled appears to be iron-formation

related. It is interesting to note that their drilling indicates overburden to be at least 220' thick in this part of Edwards Township.

GENERAL GEOLOGY

Most of the area covered by the aeromagnetic survey is overlain by a thick layer of clay overburden as mentioned above. The exception is the area immediately west of Wooley Lake in Edwards Township, where there is a limited amount of outcrop, indicating the presence of gabbro intruding into mafic to intermediate volcanics and intercalated sediments.

The second significant outcrop in the Survey Area is at the western boundary of Edwards Township where a complex of highly metamorphosed volcanics is intruded by syenite. Seven holes were drilled into a pyrite-enriched portion of this outcrop yielding no significant base-metal or gold values. Transecting all lithologies are north-trending magnetic diabase dikes of Matachewan age.

Previous work, and government aeromagnetic maps, suggest that geological strike changes from essentially E-W in Teefy Township to N-W to north in Edwards Township. This is the reason for flying the two survey blocks covered by this report in orthogonal directions.

SURVEY-PROCEDURE AND EQUIPMENT

The survey was carried out using an Aerospatiale A-Star 350 D helicopter at a nominal flight-line spacing of 200 metres. The magnetometer used was a Geometrics G-803 proton precession type.

A Hoffman HRA-100 radar altimeter coupled with a Geocam 35mm strip film tracking camera and the Motorola Mini-Ranger radar positioning allowed for high precision flight-path navigation and recovery.

An IFG proton precession unit was used as a base station magnetometer. This unit was synchronized with the airborne system to facilitate diurnal drift corrections.

DISCUSSION OF RESULTS

Both survey blocks are dominated by a swarm of highly magnetic N-S diabase dykes, Block 2 (E-W flight direction) more so than Block 1. As a result it is difficult to isolate the magnetic signatures from the

more weakly magnetic metavolcanics and sediments known to exist in the survey area. Nevertheless, a distinctive ENE magnetic trend can be isolated between lines 2220 and 2320 in the south-central portion of Block 1. Though the aforementioned dykes are quite persistent across both survey blocks they appear to be disrupted at several locations by E-W trending strike-slip faults.

The gabbroic intrusion west of Wooley Lake is manifested by a series of distinctive ovoid-shaped magnetic highs, easily discerned from the diabase dyke anomaly signatures which are narrow and linear.

RECOMMENDATIONS AND CONCLUSIONS

The survey has indicated that numerous diabase dykes and gabbroic bodies occur within the Project Area. It is suspected that not even the added resolution from ground magnetic surveying will help screen out the overwhelming effect of these highly magnetic intrusions.

The south-central part of Block 1 in Teefy Township is the possible exception, and limited ground magnetic surveying is recommended at this location to

ascertain whether the magnetic method has any potential as an aid to mapping out sedimentary/ volcanic contacts, a common target environment for Au mineralization, in the Project Area.

Respectfully submitted,

A. Watts

A. Watts

SCHEDULE OF CLAIMS

<u>GROUP</u>	<u>CLAIM NO.</u>	<u>TOWNSHIP</u>	<u>GROUP</u>	<u>CLAIM NO.</u>	<u>TOWNSHIP</u>
<u>54034-15</u>	L. 667051	Teefy	54057-02	L. 667614	Edwards
	L. 667052	"		L. 667615	"
	L. 667053	"		L. 667616	"
	L. 667126	"		L. 667617	"
	L. 667127	"		L. 667618	"
	L. 667128	"		L. 667619	"
	L. 667129	"		L. 667620	"
	L. 667644	"		L. 667681	"
	L. 667645	"		L. 667682	"
	L. 667646	"		L. 667683	"
	L. 667647	"		L. 667684	"
	L. 667648	"		L. 667701	"
	L. 667649	"		L. 667702	"
	L. 667690	"		L. 667703	"
	L. 667695	"		L. 667704	"
	L. 688542	"		L. 667713	"
	L. 688543	"		L. 667714	"
	L. 688544	"		L. 667741	"
	L. 688547	"		L. 667742	"
	L. 688548	"		L. 667743	"
			L. 667744	"	
<u>54057-01</u>	L. 667676	Teefy			
	L. 667677	"			
	L. 667678	"			
	L. 667679	"			
	L. 667680	"			
	L. 667696	Edwards			
	L. 667697	"			
	L. 667698	Teefy			
	L. 667699	"			
	L. 667700	"			
	L. 667716	Edwards			
	L. 667717	"			
	L. 667718	"			
	L. 667719	"			
	L. 667720	"			
	L. 667721	"			
	L. 667736	Teefy			
L. 667737	"				
L. 667738	"				
L. 667739	"				
L. 667740	"				

Total Claims - 62



**CANAMAX
RESOURCES INC.**



42A15NE0020 2.5631 EDWARDS

900

MSC 1A2
TELEX # 06-22019
TELECOPIER 416-364-6188
TELEPHONE 416-364-6188

June 13, 1983

Our Projects: 54056-01
54056-02
54057-01
54057-02
54034-15

Ontario Ministry of Natural Resources,
Land Management Branch,
Whitney Block, Room 6450
Queen's Park,
Toronto, Ontario
M7A 1W3

RECEIVED

JUN 15 1983

Attention: Mr. F. W. Matthews

MINING LANDS SECTION

Dear Sir:

Re: Airborne Geophysical Certificate - 62 Mining Claims,
Teefy and Edwards Townships (Larder Lake Mining
Division) and 94 Mining Claims, Warden and Coulson
Townships (Porcupine Mining Division)

Pursuant to Section 87 of the Ontario Mining Act, please accept this letter as our application for an Airborne Geophysical Certificate.

Enclosed are copies, in duplicate, of two Reports covering the airborne geophysical survey conducted over the above claims listed on the attached schedule.

The claims were recorded between December 23, 1982 and April 8, 1983 and the survey took place from December 5 - 9, 1982.

Yours truly,

Elizabeth A. Barclay
Elizabeth A. Barclay

E
encl.

cc: A. W. Watts

cc: K. R. Clemis

cc: Timmins Office

2.5631

1983 06 29

2.5631

Mining Recorder
Ministry of Natural Resources
4 Government Road East
P.O. Box 984
Kirkland Lake, Ontario
P2N 1A2

Dear Sir:

RE: Airborne Geophysical Certificate on Mining
Claims L 667051 et al in the Townships of
Edward and Teefy

Enclosed is an Airborne Geophysical Certificate issued under
Section 78 of the Mining Act R.S.O. 1980.

Please indicate on your records that the time for performing
the first and all subsequent periods of work for claims listed
shall fall due one year later than the times prescribed in
subsection 1 of Section 76.

Yours very truly,

E.F. Anderson
Director
Land Management Branch

Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: 416/965-1380

R. Pichette:sc

Encls:

cc: Canamax Resources Inc
7 King Street East
Toronto, Ontario
M5C 1A2
Attention: Elizabeth A. Barclay

cc: Resident Geologist
Kirkland Lake, Ontario

SCHEDULE OF CLAIMS

<u>GROUP</u>	<u>CLAIM NO.</u>	<u>TOWNSHIP</u>	<u>GROUP</u>	<u>CLAIM NO.</u>	<u>TOWNSHIP</u>
<u>54034-15</u>	L. 667051	Teefy	54057-02	L. 667614	Edwards
	L. 667052	"		L. 667615	"
	L. 667053	"		L. 667616	"
	L. 667126	"		L. 667617	"
	L. 667127	"		L. 667618	"
	L. 667128	"		L. 667619	"
	L. 667129	"		L. 667620	"
	L. 667644	"		L. 667681	"
	L. 667645	"		L. 667682	"
	L. 667646	"		L. 667683	"
	L. 667647	"		L. 667684	"
	L. 667648	"		L. 667701	"
	L. 667649	"		L. 667702	"
	L. 667690	"		L. 667703	"
	L. 667695	"		L. 667704	"
	L. 688542	"		L. 667713	"
	L. 688543	"		L. 667714	"
	L. 688544	"		L. 667741	"
	L. 688547	"		L. 667742	"
	L. 688548	"		L. 667743	"
			L. 667744	"	
<u>54057-01</u>	L. 667676	Teefy			
	L. 667677	"			
	L. 667678	"			
	L. 667679	"			
	L. 667680	"			
	L. 667696	Edwards			
	L. 667697	"			
	L. 667698	Teefy			
	L. 667699	"			
	L. 667700	"			
	L. 667716	Edwards			
	L. 667717	"			
	L. 667718	"			
	L. 667719	"			
	L. 667720	"			
	L. 667721	"			
	L. 667736	Teefy			
	L. 667737	"			
	L. 667738	"			
	L. 667739	"			
L. 667740	"				

Total Claims - 62

SCHEDULE OF CLAIMS

<u>GROUP</u>	<u>CLAIM NO.</u>	<u>TOWNSHIP</u>	<u>GROUP</u>	<u>CLAIM NO.</u>	<u>TOWNSHIP</u>
<u>54056-01</u>	P. 667621	Coulson	<u>54056-02</u>	P. 667691	Warden
	P. 667628	"		P. 667692	"
	P. 667629	"		P. 667693	"
	P. 667630	"		P. 667694	Coulson
	P. 667631	"		P. 667705	Warden
	P. 667632	"		P. 667706	"
	P. 667633	"		P. 667707	"
	P. 667634	"		P. 667708	"
	P. 667635	"		P. 667722	Coulson
	P. 667636	"		P. 667723	"
	P. 667637	"		P. 667724	"
	P. 667638	"		P. 667725	"
	P. 667639	"		P. 667726	"
	P. 667640	"		P. 667745	Warden
	P. 667641	"		P. 667746	"
	P. 667642	"		P. 667747	"
	P. 667643	"		P. 667748	"
	P. 667650	"		P. 679328	Coulson
	P. 667651	"		P. 679329	"
	P. 667685	"		P. 679330	"
	P. 667686	"		P. 679331	"
	P. 667687	"		P. 679332	"
	P. 667688	"		P. 679333	"
	P. 667689	Warden		P. 679338	"
	P. 667709	"		P. 679339	"
	P. 667710	"		P. 679340	"
	P. 667711	"		P. 679341	"
	P. 667712	"		P. 679342	"
	P. 667749	Coulson		P. 679343	"
	P. 667750	"		P. 679358	"
	P. 667751	Warden		P. 679359	"
	P. 667752	"		P. 679360	"
	P. 667753	"		P. 679361	"
	P. 674047	Coulson		P. 679362	Warden
	P. 674048	"		P. 679363	Coulson
	P. 688524	"		P. 679364	"
	P. 688525	"		P. 679368	"
	P. 688526	"		P. 679369	"
	P. 688527	"		P. 679370	"
	P. 688528	"		P. 679371	"
	P. 688529	"		P. 679372	"
	P. 688530	"		P. 679373	"
	P. 688531	"			
	P. 688533	"			
	P. 688534	"			
	P. 688535	"			
	P. 688536	"			
	P. 688537	"			
	P. 688538	"			
	P. 688539	"			
	P. 688540	"			
	P. 688541	"			

Total - 94 Claims



The Mining Act

This is to certify that CANAMAX RESOURCES INCORPORATED has met the requirements of Section 78 of The Mining Act,
with respect to the following mining claims in the Township ^S(or Area) of EDWARD AND TEEFY

Mining Claims (Please list)

- L 667051 to 53 inclusive
- 667126 to 29 "
- 667644 to 49 "
- 667690
- 667695
- 688542 to 44 inclusive
- 688547-48
- 667676 to 80 inclusive
- 667696 to 700 "
- 667716 to 21 "
- 667736 to 40 "
- 667614 to 20 "
- 667681 to 84 "
- 667701 to 04 "
- 667713-14
- 667741 to 44 inclusive

Date 1983-06-29	Director, Land Management Branch <i>[Signature]</i>
--------------------	--



Mining Lands Comments

Perbanc Certificate

RUSH/URGENT

To: Geophysics *Mr. Roger Barlow*

Comments

Approved Wish to see again with corrections Date *June 29/83* Signature *R. Barlow*

To: Geology - Expenditures

Comments

Approved Wish to see again with corrections Date Signature

To: Geochemistry

Comments

LD

Approved Wish to see again with corrections Date Signature

To: Mining Lands Section, Room 6462, Whitney Block. (Tel: 5-1380)

1983 06 16

2.5631

Mr. George J. Koleszar
Mining Recorder
Ministry of Natural Resources
4 Government Road East
P.O. Box 984
Kirkland Lake, Ontario
P2N 1A2

Dear Sir:

We have received reports and maps for an Airborne Geophysical Certificate on Mining Claims L667051 et al in the Townships of Teefy and Edwards.

This material will be examined and assessed and a statement of assessment work credits will be issued.

Yours very truly,

E.F. Anderson
Director
Land Management Branch

Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: (416) 965-1380

A. Barr:mc

cc: Canamax Resources Inc
7 King Street East
Toronto, Ontario
M5C 1A2

Attention: Elizabeth A. Barclay

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.

NOTES

400' surface rights reservation along the shores of all lakes and rivers.

ANNULMENT CERTIFICATE

The subdivision of this Township into Lots and Concessions is wholly Annulled by order of the Deputy Minister of Lands and Forests. Dated May 29, 1963.

Lands below contour levels 826' & 881' covered by L.O. 8674.

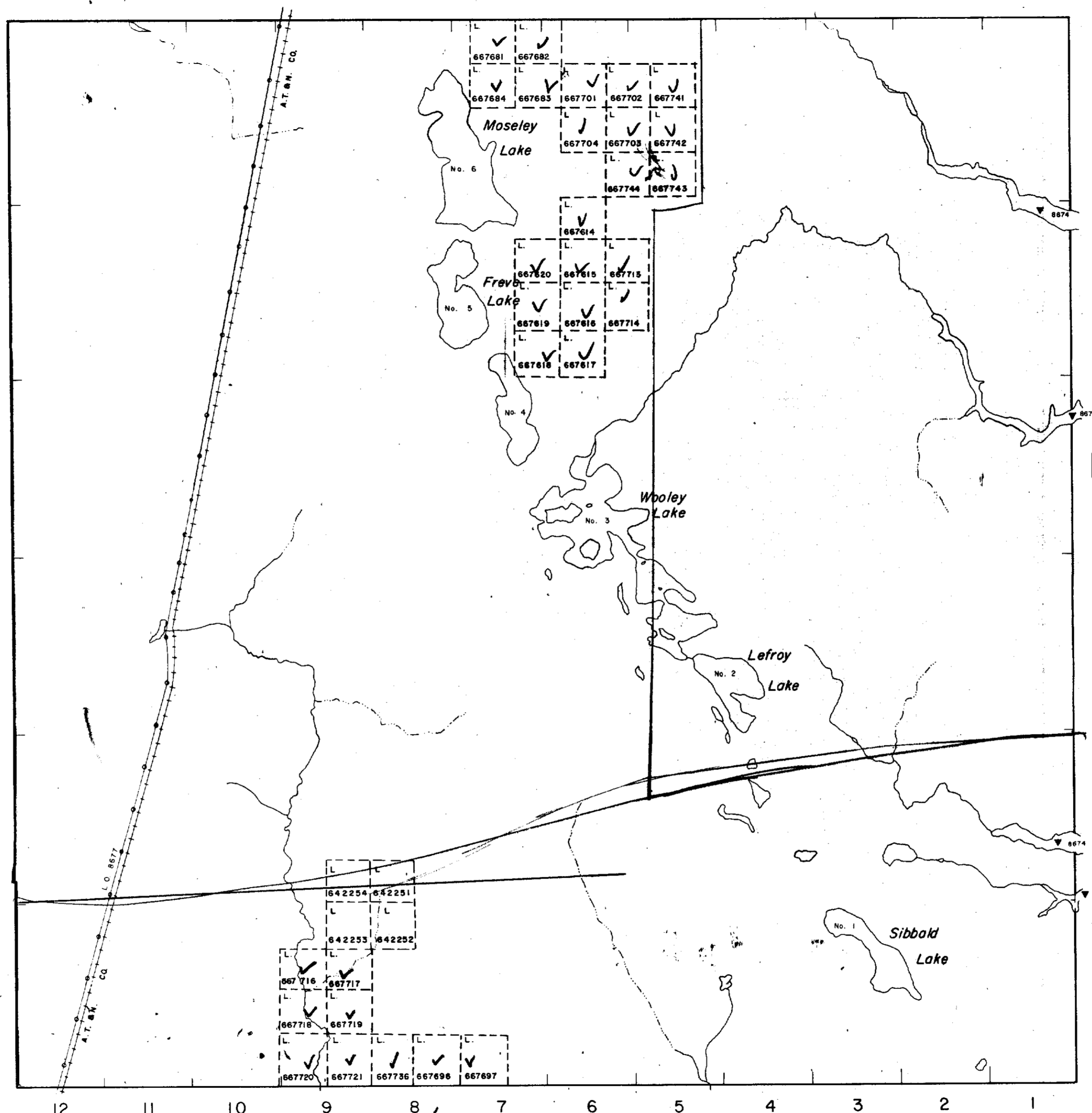
DATE OF ISSUE

JUN 21 1983

Ministry of Natural Resources
TORONTO

MORTIMER TWP M-553

AURORA TWP M-408

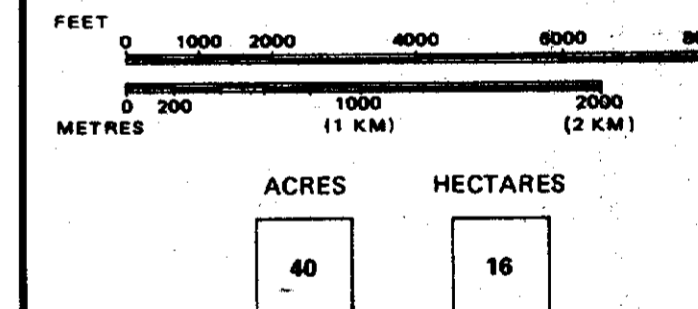


TEEFY TWP M-600

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

SCALE: 1 INCH = 40 CHAINS



TOWNSHIP OF
EDWARDS
DISTRICT
COCHRANE
MINING DIVISION
LARDER LAKE
2.5631

Ministry of Natural Resources
Ontario
Surveys and Mapping Branch

Date MAR./80

Plan No.

National Topographic Series

M-469



DISPOSITION OF CROWN LANDS

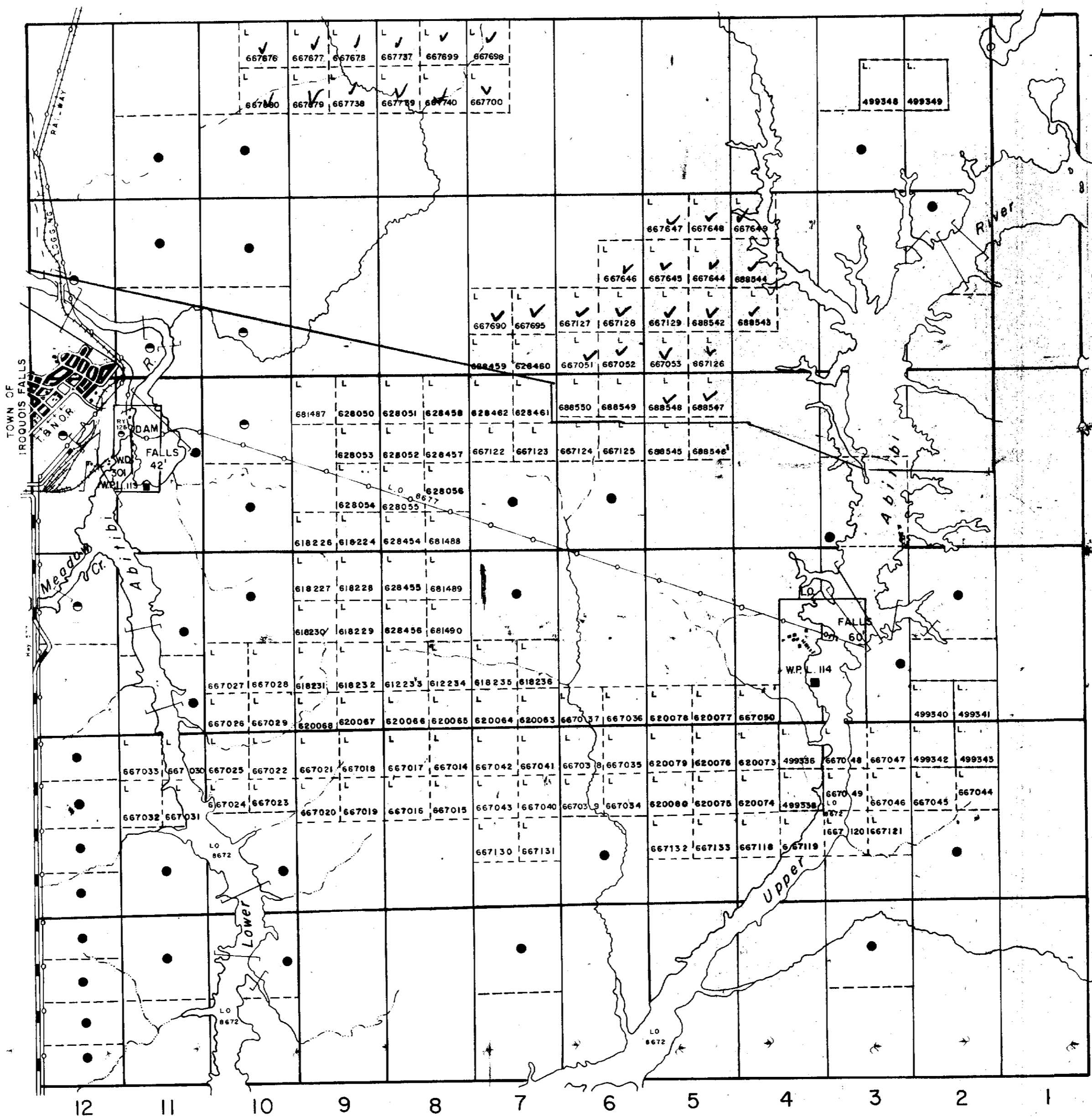
TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" SURFACE RIGHTS ONLY	○
" MINING RIGHTS ONLY	○
LEASE SURFACE & MINING RIGHTS	■
" SURFACE RIGHTS ONLY	■
" MINING RIGHTS ONLY	■
LICENCE OF OCCUPATION	OC
ORDER IN COUNCIL	○
RESERVATION	○
CANCELLED	○
SAND & GRAVEL	○

NOTE MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1910, CHAP. 180, SEC. 63, SUBSEC. 1

DATE OF ISSUE
JUN 21 1983
 Ministry of Natural Resources
 TORONTO

CALVERT TWP

EDWARDS TWP.



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

WALKER TWP.

VI
 V
 IV
 III
 II
 I

RICKARD TWP.

LEGEND

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
 - TOWNSHIPS, BASE LINES, ETC.
 - LOTS, MINING CLAIMS, PARCELS, ETC.
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- SUBDIVISION OR COMPOSITE PLAN RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

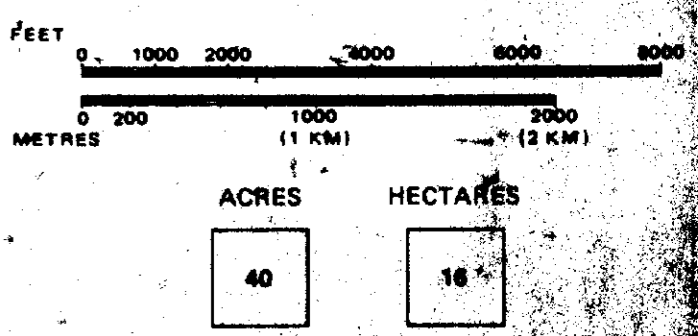
NOTES

400' Surface Rights Reservation around lakes and rivers.

Water Power Lease: W.P.L.

Flooding rights along shores of Abitibi River below contour levels 826' & 881' covered by L.O. 8674.

SCALE: 1 INCH = 40 CHAINS



TOWNSHIP OF
TEEFY
 DISTRICT OF
 COCHRANE
 MINING DIVISION
LARDER LAKE
 2.5631

Ministry of Natural Resources
 Ontario

Surveys and Mapping Branch

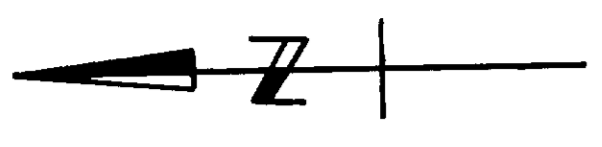
Date 10/03/1980

Plan No.

National Topographic Series

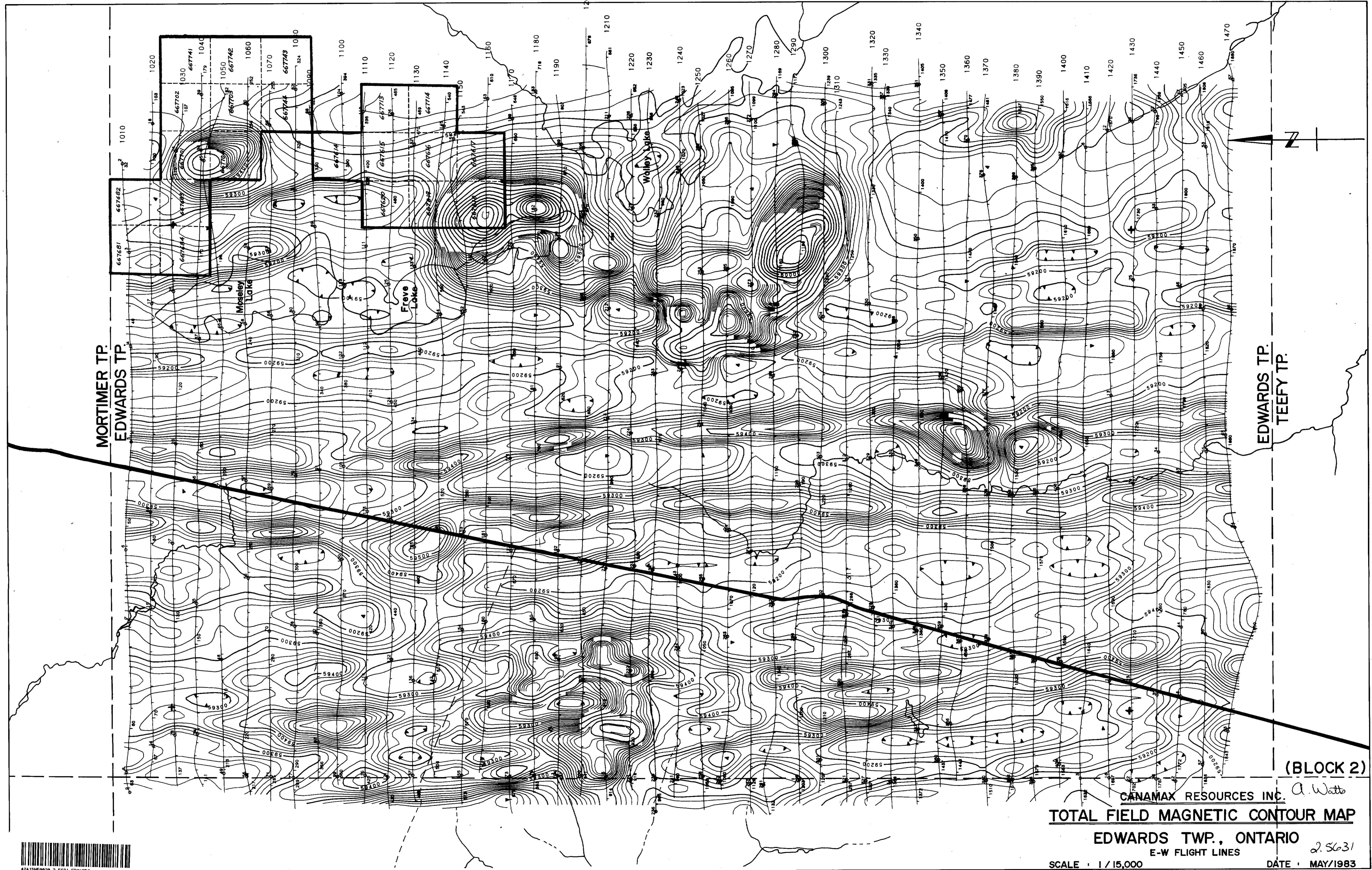
M.600





(BLOCK 1) *A. Watts*
CANAMAX RESOURCES INC.
TOTAL FIELD MAGNETIC CONTOUR MAP
EDWARDS & TEEFY TOWNSHIPS
N-S FLIGHT LINES
SCALE 1/15,000
DATE MAY 1983
25631





MORTIMER TP.
EDWARDS TP.

EDWARDS TP.
TEEFY TP.

(BLOCK 2)

CANAMAX RESOURCES INC. *A. Watts*

TOTAL FIELD MAGNETIC CONTOUR MAP

EDWARDS TWP., ONTARIO

E-W FLIGHT LINES

SCALE : 1 / 15,000

DATE : MAY/1983



42A15NE020 2.5531 EDWARDS