42A07SW0008 63.2504 CARMAN

63.2504

Magnetometer Survey
on
Straus Exploration, Inc. Option
situated in
Carman and Langmuir Townships
Porcupine Mining Division, Ontario

INTRODUCTION

A Sharpe Model A-2 Mangetometer Survey was completed during the month of February 1969, over eleven (11) unpatented mining claims, which are situated on and near the common boundary of Carman and Langmuir Townships, Porcupine Mining Division, Ontario.

The survey was performed by Tri-J Mineral Surveys Limited, P.O. Box 820, South Porcupine, Ontario on behalf of Straus Exploration, Inc., under the supervision of A. J. O'Donnell, geologist, 181 Waldron Avenue, Flin Flon, Manitoba.

LOCATION AND ACCESSIBILITY

Six of the claims (P-98019 to P-98024 inclusive) are situated along the north central boundary of Langmuir Township, with the remaining five claims (P-98814 to P-98816 and P-99169 to P-99170 inclusive) adjoining to the north in Carman Township.

The property is approximately eighteen (18) miles southeast of the Town of Timmins, Ontario, and is accessible either by ski or pontoon equipped aircraft, which can land on the property by utilizing Nighthawk Lake. However, the more practical means of transportation is either by motorized toboggan or boat from Highway 101 at Frederick House River, which is approximately thirteen (13) miles due north of the claims group.

NAME AND ADDRESS OF OWNER

The claims are recorded under the name of K. H. Darke, license number M-18585, whose address is P.O. Box 983, Timmins, Ontario, and are under option to Straus Exploration, Inc., 120 Broadway, New York, N. Y. 10005.

GEOLOGICAL DATA

The property is located almost entirely in Carman Bay of Nighthawk Lake, but is assumed to be underlain by north-south trending metavolcanics of early Precambrian Age. From the magnetics, it appears that the volcanics have been intruded by a basic or ultrabasic intrusive.

EXPLORATION AND DEVELOPMENT TO DATE

There is no evidence of any previous exploration being conducted over the property.

TOTAL NUMBER OF STATIONS ESTABLISHED

The total number of stations established was 986.

TOTAL NUMBER OF LINES PICKETED AND CHAINED

The total number of lines picketed and chained, including the base line, was 18.5 miles.

TYPE OF INSTRUMENT

The instrument used on the survey was the Sharpe Model A-2 Vertical Force Mangetometer mounted on a tripod. The scale constant is 20 per

division. The unit has a sensitivity to ten (10) gammas per scale division and an intensity range of 0 to 15,000 gammas. This range may be increased by the use of greater strength auxiliary magnets.

This magnetometric method is extremely sensitive, and is capable of detecting anomalous conditions very accurately and to a great depth.

RESULTS OBTAINED AND CONCLUSIONS

The magnetometer survey outlined three anomalous north-south magnetic zones, which dip steeply to the west, and are assumed to be caused by basic or ultrabasic intrusives.

One of the magnetic anomalies (claim P-98814) is associated in part with an electromagnetic conductor which justifies further exploration by means of detail electromagnetic surveying.

Anomalous electromagnetic trends are associated with the main magnetic anomaly which is located on the central portion of the claim group. This anomaly is generally uniform with a gradual build-up in magnetic intensities, and because of the electromagnetic trends, warrants further exploration.

RECOMMENDATIONS

1. Complete a Turam Electromagnetic Survey over the two sourthern magnetic anomalies. (See reference map No. 0-69-S-003).

2. If and where electromagnetic conductors or trends are associated with magnetic highs, follow through by diamond drilling.

Respectfully submitted,

A. J. O'Donnell

April 28, 1969
Flin Flon, Manitoba

A. J. O'Donnell, geologist

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Vertical Loop Electromagnetic Survey
on
Straus Exploration, Inc. Option
situated in
Carman and Langmuir Townships
Porcupine Mining Division, Ontario

INTRODUCTION

A McPhar Vertical Loop Electromagnetic Survey was completed during the month of February 1969, over eleven (11) unpatented mining claims, which are situated on and near the common boundary of Carman and Langmuir Townships, Porcupine Mining Division, Ontario.

The survey was performed by Tri-J Mineral Surveys Limited, P.O. Box 820, South Porcupine, Ontario, on behalf of Straus Exploration, Inc., under the supervision of A. J. O'Donnell, geologist, 181 Waldron Avenue, Flin Flon, Manitoba.

LOCATION AND ACCESSIBILITY

Six of the claims (P-98019 to P-98024) are situated along the north central boundary of Langmuir Township, with the remaining five claims (P-98814 to P-98816 and P-99169 to P-99170) adjoining to the north in Carman Township.

The property is approximately eighteen (18) miles southeast of the Town of Timmins, Ontario, and is accessible either by ski or pontoon equipped aircraft, which can land on the property by utilizing Nighthawk Lake. However, the more practical means of transportation is either by boat or motorized toboggan from Highway 101 at Frederick House River, which is approximately thirteen (13) miles due north of

the claim group.

NAME AND ADDRESS OF OWNER

The claims are recorded under the name of K. H. Darke, license number M-18585, whose address is P.O. Box 983, Timmins, Ontario, and are under option to Straus Exploration, Inc., 120 Broadway, New York, N. Y. 10005.

GEOLOGICAL DATA

The property is located almost entirely in Carman Bay of Nighthawk Lake, but is assumed to be underlain by north-south trending metavolcanics, of Precambrian Age. From the magnetometer survey it appears that the volcanics have been intruded by a basic to ultrabasic intrusive.

EXPLORATION AND DEVELOPMENT TO DATE

There is no evidence of any previous exploration being conducted over the claim group.

RESULTS OBTAINED AND CONCLUSIONS

The survey outlined one conductor along with three anomalous trends, one of which could have some significance in the search for base metals.

The anomaly located immediately east of the base line from 0 to 8 South should be rechecked by detail surveying to pin point the axis of the conductor, and if warranted follow through by diamond drilling.

Due to the possibility of heavy overburden, the weak anomalous trend extending from 12 to 32 South should be rechecked by a Turam survey, as the zone is associated with a magnetic high, which could contain pyrrhotite (nickeliferous) mineralization.

The other two trends outlined by the survey are assumed to be attributed to other causes rather than sulphide mineralization.

TOTAL NUMBER OF STATIONS ESTABLISHED

The total number of stations established was 1085.

TOTAL NUMBER OF LINES PICKETED AND CHAINED

The total number of lines picketed and chained, including the base line was 18.5 miles.

TYPE OF INSTRUMENT

Attached to report.

Respectfully submitted,

A. J. O'Donnell,
Geologist

April 28, 1969
Flin Flon, Manitoba

TYPE OF INSTRUMENT EMPLOYED FOR SURVEY ON THE STRAUS EXPLORATION, INC. OPTION

McPhar SS-15, Vertical Loop Electromagnetic Unit

This unit is based on the use of electricity and magnetism. A current of electricity passing through a wire will create a magnetic field in the vicinity of the wire.

An alternating current flowing in a loop of wire suspended above the surface of the earth will cause currents to flow in buried conductors, this process is termed "induction" and occurs in the following steps:

(1) The alternating current flowing in the loop creates an alternating "magnetic" field (primary magnetic field) in the vicinity of the loop.

(2) The primary alternating magnetic field will cause currents to flow in a sub-surface conducotr.

The induced current flowing in the sub-surface conductor will then create a magnetic field (secondary magnetic field) which can be measured by a "search coil" connected to a set of earphones. The intensity of the magnetic field is indicated by the amplitude of the signal in the earphones.

The instrument operates on either 1,000 or 5,000 c.p.s. with transmitter power being supplied by a 300 watt generator driven by a 1 1/3 H.P. gasoline engine. In the field operation, the receiver is moved along traverses perpendicular to the assumed geologic strike. Measurements can be made on traverses up to 2,000 feet from the transmitter, and 1,200 feet maximum on each side of the transmitter, therefore it is usually necessary to employ several transmitter locations in order to complete the survey of a property.

The angle between the resultant arrow and the horizontal at any point is termed the "dip angle" and its determination is the fundamental measurement in the search for conductors. Over barren ground, the dip angles are practically zero. The approach to a conductor is marked by increasing dip angles which in turn decrease to zero directly above the conductor, and then increase but in the opposite direction, beyond the conductor, away from the conductor the dip angles return to zero again.

The depth of the exploration is roughly half the distance between transmitter and receiver.

The interpretation of electromagnetic survey data usually is based upon accumulated experience and comparison with results of scale-model experiments.

Respectfully submitted,

A. J. O'Donnell,
Geologist

ONTARIO DEPARTMENT OF MINES
OFFICE OF MINING RECORDER
127 THIRD AVE.
TIMMINS, ONT.

TIMMINS -6 V '69 ONT

POSTES CANADA POSTAGE 0.8 4

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900

ONTARIO DEPARTMENT of MINES
RETURN AT POINT OF MAILING

ONTARIO

Ontario Department of Mines,
Parliament Buildings,
TORONTO 5, Ontario.

50M-67-5858

FIRST CLASS MAIL

FIRST CLASS MAIL

CODY TWP. M-270

SHAW TWP. M-311

THOMAS TWP. M-312

LANGMUIR TWP. M-292

Moose Island ALL IN CODY TWP.

Point ALL IN CARMAN TOWNSHIP

Nighthawk Lake

Crow I.

Gull I.

Nest I.

Comp I

Rapidons R.

Rapidons R.

X- claims covered

● - claims recorded

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200

THE TOWNSHIP OF CLAIM MAP CARMAN

DISTRICT OF COCHRANE

PORCUPINE MINING DIVISION

SCALE: 1-INCH 40 CHAINS

LEGEND

PATENTED LAND	P
CROWN LAND SALE	C.S.
LEASES	L
LOCATED LAND	Loc.
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	C
CANCELLED	

NOTES

400' Surface Rights Reservation around all lakes and rivers.

Flooding Rights on Nighthawk Lake to the contour elevation 903.5' reserved to H.E.P.C.

DATE OF ISSUE

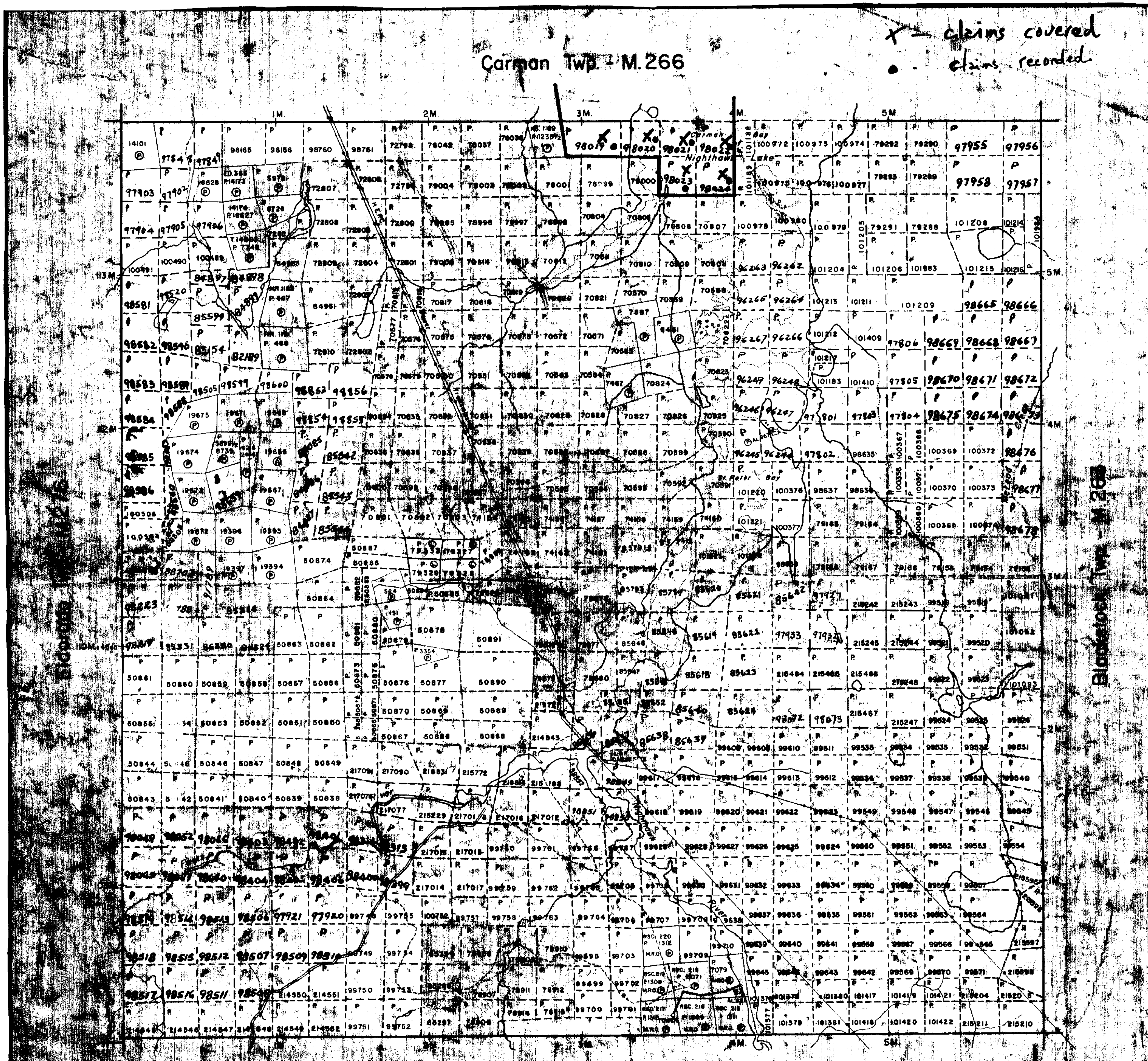
SEP 10 1969

ONTARIO DEPT. OF MINES

PLAN NO. M-266

DEPARTMENT OF MINES

— ONTARIO —



THE TOWNSHIP OF

CLAIM MAP

LANGMUIR

DISTRICT OF TIMISKAMING

PORCUPINE MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

LEGEND

PATENTED LAND	P
CROWN LAND SALE	C.S.
LEASES	L
LOCATED LAND	Loc.
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	

NOTES

400' Surface Rights Reservation around all lakes and rivers.

Flooding rights on Nighthawk Lake to the contour elevation 900' reserved to H.E.P.C.

DATE OF ISSUE SEP 10 1969

PLAN NO. M.292

DEPARTMENT OF MINES — ONTARIO —

42A07SW0008 63.2504 CARMAN 210

STRAUS EXPLORATION INC:

MAGNETOMETER SURVEY

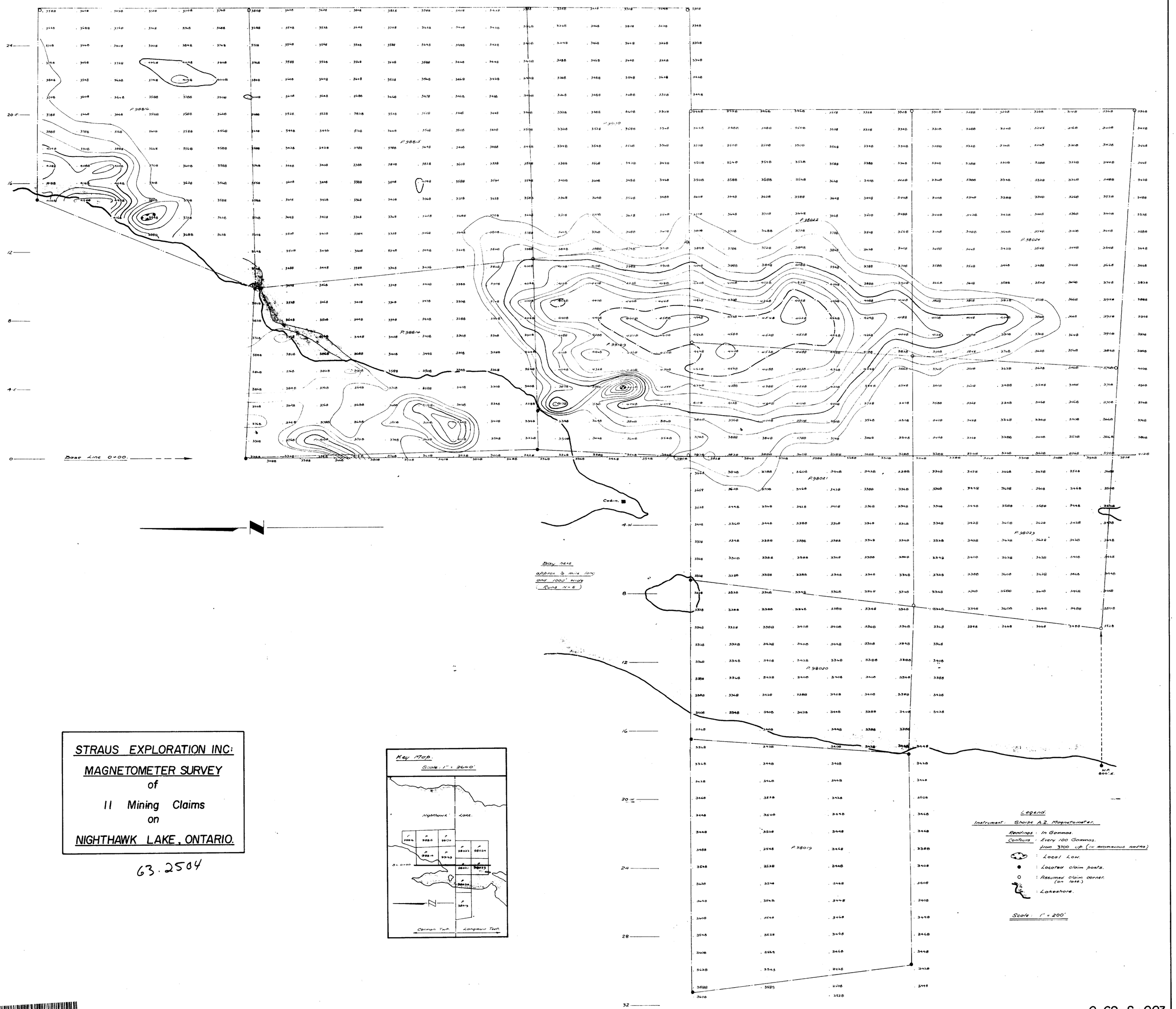
of

11 Mining Claims

on

NIGHTHAWK LAKE, ONTARIO.

63.2504



Legend.

Instrument: Sharpe A.2. Magnetometer.

Readings: In Gammas.

Contours: Every 100 Gammas. from 3700 up (in anomalous areas)

: Local Low.

: Located claim posts.

: Assumed claim corner. (on lake.)

: Lakeshore.

Scale: 1" = 200'

0-69-S-003

A.J. O'Donnell, Professional Engineer

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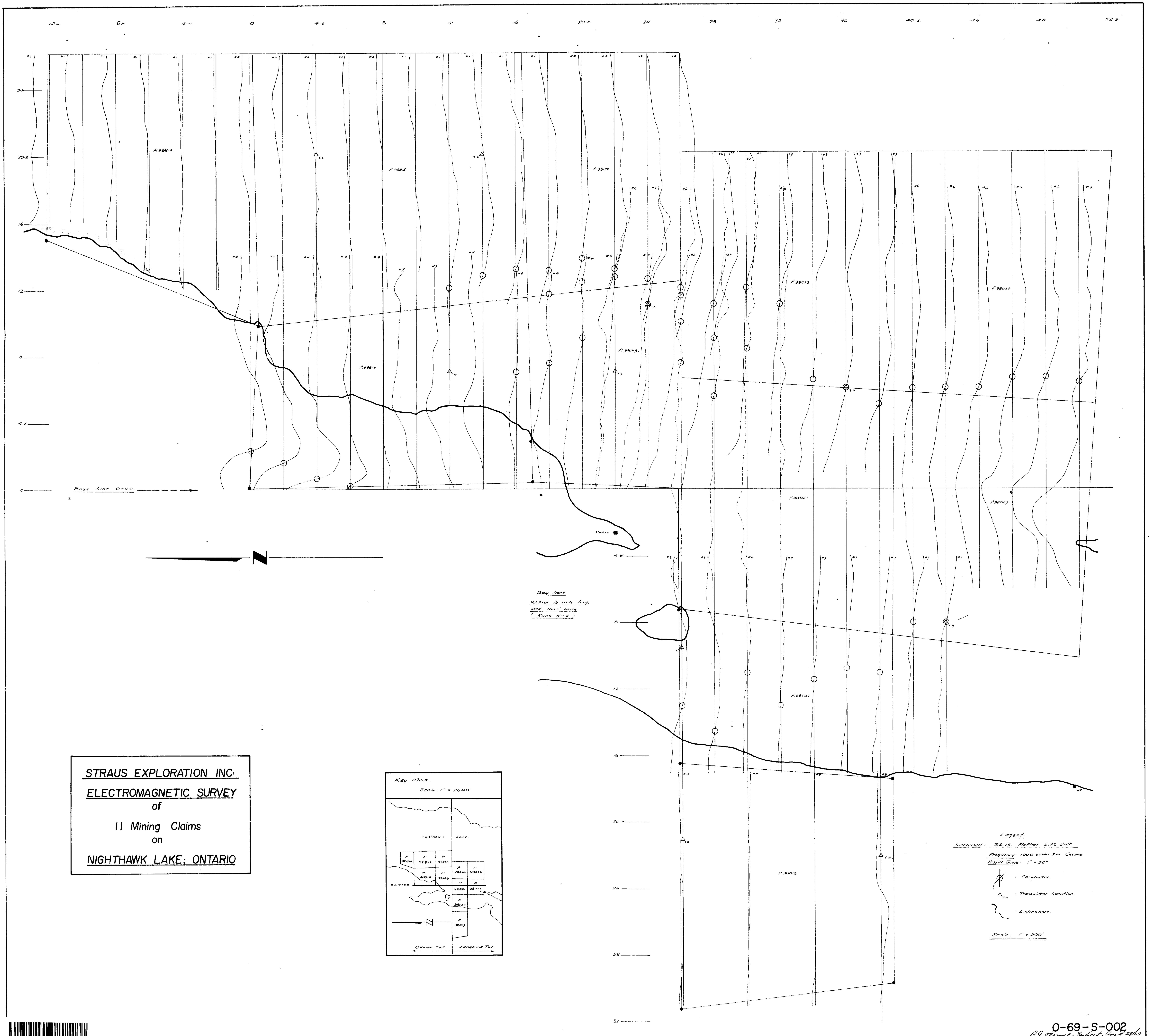

STRAUS EXPLORATION INC.
ELECTROMAGNETIC SURVEY
of
11 Mining Claims
on
NIGHTHAWK LAKE; ONTARIO
Key Map.
Scale: 1" = 2640'
Carman Twp.
Langmuir Twp.
Base Line 0+00
Cabin.
Bay here
approx ½ mile long.
and 1000' wide
(Runs N~S)
P.98816
P.98815
P.99170
P.98814
P.99169
P.98022
P.98024
P.98021
P.98023
P.98020
P.98019
WP.
Legend.
Instrument: SS.15. McPhar E.M. Unit
Frequency: 1000 cycles per Second.
Profile Scale: 1" = 20°
: Conductor.
: Transmitter Location.
: Lakeshore.
Scale: 1" = 200'
0-69-S-002

230