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PROJECTS
SECTION

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REPORT ON

NORLEX MINES LIMITED

STURGEON LAKE AREA, ONT.

BY

CANEX AERIAL EXPLORATION LTD.

August, 1972.
Toronto, Ontario.

AUTOPOSITIVES FILED SEPARATELY

PART 1
REPORT ON GEOLOGY

LOCATION AND ACCESS

The claim group is located in northwestern Ontario, 50 miles northeast of the town of Ignace and lies along, and partially over Willet, Post, Barge and Sturgeon Lakes.

Access via bush air service is available from either Ignace or Sioux Lookout. A ground route follows Highways 11 and 599 to O'Brian's Landing on Sturgeon Lake and from there 15 miles by boat.

EXPLORATION TO DATE

The present Norlex claim group comprises the former blocks of Norlex Mines Limited, Canadian Javelin Ltd. and Bison Petroleum and Minerals Ltd. A breakdown of previous work follows:

Norlex Mines Limited (SL-1)

November 1969:	Airborne Mag. & E.M.	by McPhar
November-December 1969:	7/8 of property gridded. Mag. survey of entire grid. Local E.M. coverage (Crone shootback & EM.16)	by Crone Geophysics
January-June 1970:	Diamond Drilling 2,722.5 feet.	by St.Lambert

Canadian Javelin Ltd. (SL-2)

November 1969:	Airborne Mag. & E.M.	by McPhar
January-February 1970:	Partial coverage line-cutting, mag. and E.M. (included with Bison work)	by Crone Geophysics
June 1970:	Diamond Drilling 402 feet	by St.Lambert

contd. ...

Bison Petroleum and Minerals Ltd. (SL-3)

November 1969:	Airborne Mag. & E.M.	by McPhar
January-February 1970:	Partial coverage line-cutting, mag.and E.M.	by Crone Geophysics
March-June 1970:	Diamond Drilling 2,989 feet	by St.Lambert

Between May and August 1972 Canex Aerial Exploration Ltd., under an option agreement with Norlex Mines Limited, performed a geological survey over the entire block. In addition, magnetic and electromagnetic surveys were run to give complete coverage of all land areas.

contd. ...

*TABLE OF FORMATIONS
(Modified from the O.D.M. Reports)

CENOZOIC

PLEISTOCENE AND RECENT

Swamp accumulations; clay, sand, gravel boulders.

Unconformity

PRECAMBRIAN

ARCHEAN

6 Ultrabasic Intrusive Rocks
(a) undifferentiated
(b) dunite

Intrusive Contact

5 Mafic Intrusive Rocks
(a) diorite

Intrusive Contact

4 Metasediments
**(a) argillite, greywacke siltstone
(b) iron formation

3 Rhyolitic Metavolcanics
(a) flow
(b) tuffaceous
(c) lapilli tuff
(d) agglomeratic

2 Dacitic Metavolcanics
(a) fine grained flows
(b) tuffaceous
**(c) lapilli tuff

1 Andesitic Metavolcanics
(a) fine to medium grained flows
**(b) porphyritic
(c) tuffaceous
(d) lapilli tuff
(e) agglomeratic
(f) brecciated (flow top, flow breccia)
(g) fault breccia
(h) pillowed
(i) pseudo-sedimentary tuffaceous
(j) amphibolitic

contd. ...

*TABLE OF FORMATIONS is a composite TABLE for the Norlex, Canadian Javelin, Bison and Darex properties.

**To date found only on Darex property.

DESCRIPTION OF FORMATIONS

1 Andesitic Metavolcanics

1(a) By far the most abundant rock type in the area is a fine to medium grained, dull green soft weathering, usually massive, andesitic flow rock. Where carbonate is present, weathering is brownish. Composition is approximately 50% feldspar, 50% mafics.

Between flows it is not uncommon to find a zone one foot to ten feet wide of foliated sedimentary material of the same composition as the flows.

1(b) Seen only in the Darex core.

1(c) Rocks definitely identified as andesitic tuffs were seen at scattered localities as well as boulders near the west boundary. At 36W-7N on the new lines in the NW corner of the property, the rock is composed of granular 1/16" fragments of andesitic composition with about 5% quartz eyes to 1/8" diameter. Boulders usually contain at least 20% feldspathic fragments in an andesitic groundmass.

1(d & e) Lapilli tuff and agglomerate were seen only in boulders on the western boundary.

1(f) Flow breccia was noted at scattered localities. This unit may also include non-recognized pillows.

contd. ...

1(g) A 100-400 foot zone of fault breccia was found on the former Javelin ground between lines 132E and 152E at about 38N. The rock appears to have been an original massive andesite faulted such that the fragments range to 2" in diameter and are held in greyish gange.

1(h) Pillowed flows were definitely identified at three localities on the Bison grid. Balloon pillows are the most common. The flat side has a maximum length of about two feet with a maximum thickness of 8". Bun pillows of about a 1-foot diameter were seen.

1(i) The name pseudo-sedimentary tuffaceous was given to rocks of generally andesitic composition that overlie or lie close to the sedimentary unit mapped by the O.D.M. However, the unit belongs within the volcanic assemblage since there is interlayering with other volcanic units including rhyolite tuffs and pillowed andesites and since definite blue quarts eye shards can be seen.

Features that favour a sedimentary origin are the gritty nature of groundmass at some localities and the definite sedimentary units found in the area including ±100 feet of iron formation (see Bison drill logs for Holes 1, 2, 3 and 4).

Generally the rock contains up to 5% 1/8" blue quartz eyes in a fine grained gritty matrix. At the SE end of Post Lake on the point shearing in this unit is extreme.

1(j) Amphibolitic andesites occur in greater quantity on the Javelin and Bison grids than to the northwest. This rock is medium to coarse grained, usually massive, although it may show weak foliation and its composition can range from 40% feldspar-60% mafics to 60-40. Mafics include both pyroxenes and amphiboles probably hornblende.

contd. ...

2 Dacitic Metavolcanics

2(a) Dacitic flow rocks as near the mouth of the creek from Barge Lake and elsewhere are fine grained, light green to grey, siliceous rocks that weather buff to dull green. Where developed, schistosity is usually weak.

2(b) Tuffaceous dacites are noticeable on the boundary with Darex in the vicinity of Line 0-33S. These are faintly bedded rocks, very fine grained and contain 40% quartz, 50% feldspar and 10% mafics. The weathered surface is soft and white to buff in colour.

3 Rhyolitic Metavolcanics

3(a) Only one rhyolite flow was seen anywhere within the map area and that is located on Norlex grid at 56E-45S. The flow is less than 18" thick, very fine grained, hard and choncoidally fracturing. A fresh surface is dark grey in comparison to a white weathered surface. Trace amounts of sulphides are present.

3(b) Acid tuffs were mapped in two general localities, one centered about BL-0-12W of the Norlex grid, the other along and close to the south shore of Post Lake, on the Javelin and Bison grids. The tuffs on the Norlex grid are white weathering, composed of 80% siliceous fine grained groundmass with 20% quartz and feldspar fragments to 1/8". One half percent pyrite is disseminated within the rock.

Along Post Lake the tuffs are of the pseudo-sedimentary type. These tuffs can contain 10% mafics.

3(c & d) Lapilli and agglomerate are found with the tuff on the Norlex ground. This combined acid tuff, lapilli tuff, agglomerate unit has a thickness of some 1000 feet.

contd. ...

4 Metasediments

4(a) Metasedimentary argillite and greywacke were mapped on the Darex property within 200 feet of the west boundary at 8W-27S. In addition similar material was logged in the Bison holes and was described as "....black, very fine grained, very finely banded to massive carbonaceous material (siltstone) with graphitic shear-slip faces". (From Hole 4, 147.75'-187').

4(b) Iron formation was cut in Hole 3 of Bison Petroleum and Minerals Ltd. The rock is described as "very fine grained, very finely banded, alternating black and grey bands 1/16"-1/8" cherty-slaty sedimentary iron formation, very magnetic". This unit is within the zone of pseudo-sedimentary tuffaceous andesites and rhyolites.

5 Mafic Intrusive Rocks

5(a) Three bodies of diorite were mapped on the property. The first is located on the Norlex grid around 20E-40N. This diorite is the only one in close proximity to an ultramafic intrusive and may be directly associated forming a mafic-ultramafic complex. Geology is inadequate and magnetics are of no use to form a definite conclusion.

One of the other two diorites is located in the northwest corner of the property whereas the third outcrops near the shore of Hump Lake.

Generally the rock appears fresh, contains 5% quartz, 55% white 1/8" feldspar laths and 40% mafics. A sample from 36W-33N showed on the weathered surface white radiating crystals probably tremolite.

contd. ...

6 Ultrabasic Intrusive Rocks

6(a) Magnetics were used to define probable ultramafic intrusives in areas of no outcrop.

6(b) Two ultramafics outcrop in the NE corner of the Norlex grid. As mentioned, the one body may be part of an ultramafic-mafic complex whereas the other straddles the common boundary with Texmont Mines Ltd. and its total nature is therefore indeterminant. The rock is black, massive, poorly jointed, buff weathering, serpentinized dunite. Composition is 95% serpentine after olivine and 5% magnetite. A very minor amount of asbestos occurs at 16E-37N (Norlex grid). No sulphides were seen.

GENERAL COMMENTS

Outcropping in the map area is sparse with about only 5% of the area underlain by rock exposure of which most are low rounded and moss covered.

Map data, E.M. conductors and magnetics indicate a general NW-SE strike becoming E-W in the northwestern section of the claim group.

Basically the claims are underlain from SW to NE by a volcanic succession together with associated sedimentary and intrusive rocks. No evidence of refolding was found.

The andesitic member has its greatest thickness on the Javelin property where it attains some 8,000+ feet. Accounting for a large part of this thickness are 1(j) (amphibolitic) type rocks which seem to be uniformily spread throughout the member except the most northerly 1000-feet where a greater number of tuffaceous rocks exist.

contd. ...

One rhyolite unit has been delineated within the andesite sequence by Bison Holes 5 and 6. The same unit may continue on the Norlex grid as represented by the dacitic tuffs south of tie-line 30S. Another more acidic unit lies along tie-line 60S.

On the east part of the property the massive andesites, etc. are followed by 5000 feet of interlayered andesite tuffs, rhyolite tuffs, andesite flows and at least two major sedimentary units including iron formation. Stratigraphically on top of the tuffs lie amphibolitic and massive andesites which may indicate the beginning of a major repetition of the volcanic cycle.

Interpretation of the west portion of the property is more difficult due to more limited data. However, again the massive andesites are probably overlain by a thick sequence of andesite tuffs, rhyolite pyroclastics and sediments, but followed by andesitic and dacitic flows into which have been intruded the mafic and ultramafic bodies.

Within the western section there are more rhyolite pyroclastic units of greater thickness and composed of larger fragments. This suggests that the western section is closer to the source of the felsic volcanics.

STRUCTURE

As mentioned, all top determinations indicate a continuous succession of volcanic and volcanic associated rocks with stratigraphic tops facing northeast. No evidence was found to support the O.D.M.N.A. interpreted syncline whose axis runs through Barge, Post and Willet Lakes.

contd. ...

Schistosity does not necessarily parallel bedding, but the difference where noted was less than 15°.

The breccia zone that traverses the north part of Canadian Javelin claims cannot be explained except as possibly a strike fault. A weak magnetic anomaly appears associated with the zone, however, no electromagnetic conductors are coincident.

MINERALIZATION

Within the volcanics, pyrite was seen in outcrop in quantity only at one location, that being on the Bison grid on the lakeshore at 19W-32N. There, about 5% pyrite is disseminated across 2 feet in rhyolite tuffs.

Most conductors that were drilled were found to be caused by graphite plus or minus associated pyrite and/or pyrrhotite. Bison Hole #4 cut one 40-foot intersection of 85% graphite. Massive sulphides do occur such as in Norlex Hole #1 where a 3-foot 100% sulphide zone was intersected. The only ore mineral zones cut were 100 feet of iron formation in Bison Hole #3 and 1-foot grading .5 Zn in Norlex Hole #4. Minor chalcopyrite accompanied the zinc as did above background values in silver.

SUMMARY

Geological mapping has more or less delineated zones of acid pyroclastic rocks that are favourable host units for copper-zinc mineralization. Additional diamond drill holes have been planned on the basis of geological and geophysical data.

Respectfully Submitted

James O Burns

JGB/of

James O. Burns, Geologist

J. B. BONIWELL
EXPLORATION GEOPHYSICAL CONSULTANT

52G16SW0011 52G15SE0021 DUNNE LAKE

020

1522 CLEARWATER DRIVE
PORT CREDIT
ONTARIO, CANADA
278-1545

PART II
GEOPHYSICS

GEOPHYSICAL SURVEYING

ON THE NORLEX MINES LIMITED PROPERTY

STURGEON LAKE AREA, ONTARIO

FOR

CANEX AERIAL EXPLORATION LIMITED

BY

J. B. Boniwell

Exploration Geophysical Consultant

- September 5, 1972 -

INTRODUCTION - WORK UNDERTAKEN

In the light of geophysics already extended to these claims in past coverages, the present investigations were designed to add to or otherwise complement the previous surveying. Vertical loop electromagnetic and ground magnetic traversing were applied to those sections where such work had not been undertaken or completed before, appropriate lines 400' apart either being put in for the first time, or cut and chained afresh to supply the requisite control.

The vertical loop surveying was conducted in a parallel line procedure (broadside array) employing a Scintrex SE-600 system operating at 1600Hz. Magnetic readings were collected with a vertical force fluxgate magnetometer, Scintrex model MF-1, with an accuracy of $\pm$ 10 gammas (on the 1000 gamma range). The field work itself was completed by Canex personnel in the period 11th July - 4th August 1972.

The geophysical data so obtained have been compiled into a suite of plans showing dip angle profiles for the em. coverage at a scale of 1"=20^{o}, and contours in plan for the magnetics at a contour interval of 500 gammas. The plans themselves have been separated into the three component blocks (SL-1, SL-2, SL-3 according to past ownership) that make up the present option agreement, all blocks being contiguous.

DISCUSSION OF RESULTS

For the sake of convenience results are discussed separately for each component block of the total group.

I BLOCK SL-1

To offset the partial em. coverage undertaken in local sections only in the earlier investigations here a complete surveying was effected for the landward portion of the grid in the present programme, even though it was recognized (from the fact it had been flown by airborne em.) that there was little probability that any new strong conductor zones would be found. Indeed this proved to be the case, tilt angles rarely exceeding 3° - 4° right across the grid, with in fact the vast majority of readings keeping within a 2°N and S envelope.

However it is possible to distinguish the odd weak conducting feature in this otherwise rather undistinguished background at places where tilt expressions show a sufficient character and consistency to project a conductor real to bedrock. Of these, the most promising appears a zone that runs from between lines 4W or 4E to 16E approximately 700' north of the BL for an indicated strike extent of 1200' - 2000'. Never strong, this axis nevertheless occurs in what appears as a distinctive correlation with about 100 - 300 gamma magnetic relief. It occurs in a general sector of mapped acid tuffs and thus represents a reasonable exploration target. Ironically this is a sector that did not escape previous attention, both ground em. and drilling having been undertaken with its context; yet the em. (Crone shoot-back) did not detect the present vertical loop zone, and the drilling (the DDH NX-5) was performed some 800' off the end of the zone along strike.

No other conductor zone in the present data emerges with any comparable or noteworthy merit. However there is a major exception. This is the zone near the south shore of Barge Lake between lines 40E to 72E. Despite all that has been said before, this is a relatively strong conductor with at times very clear and precise anomaly resolutions. It is a stand-out in the results and is magnetic, and as such has been the object of fairly intensive exploration in the past, including 4 DDHs. Semi - to massive sulphides have been revealed over narrow widths within it, and it is of some considered significance that up to 0.5% Zn has been returned from one subsection (DDH NX-4). Again it is a matter of exploration irony that the best of

the vertical loop responses, in fact the best single response of the grid area, occurs within this zone in a 1000' central section where there has been no drilling. Moreover there is an obvious strike distortion, confirmed by the magnetics, over this same section. While it may be stretching a point to say in consequence that a new, separate off-set conductor axis exists here, the fact remains that a rather important window in the test sampling of this conductor zone has been brought out, and one that can't be ignored in the light of drilling results to date. This needs looking into.

II BLOCK SL-2

On this block, background noise levels in em. are somewhat higher than for the preceding block, possibly due to an increasing clay content to the overburden. Again several weak conductors can be said to exist but because of the heightened background, the possibilities in constituting additional weak events abound in this case. However on the other hand there are really very few that emerge with sufficient character to be presumed real, even fewer, one to be exact, that possess any distinctive magnetic expression, and there are none which can be considered commanding.

The one magnetic conductor occurs over 1000' between lines 140E and 148E at 18S (or 78S on SL-1 co-ordinates). It exists in correlation with a sharp magnetic low of up to 500 gamma local relief, which in itself hints at pyrrhotite mineralization. The conduction also tends to be very local with evidence of short near-parallel conductors in the immediate vicinity. While all this is not all that impressive, the situation does appear anomalous and thus does offer a test point in a part of the volcanic sequence where not too much is known.

In the same vein, another conductor that can be granted passing interest is that defined axis which runs west from a small lake at BL/120E. Non-magnetic and weak, it is nevertheless the most substantial of all the em. zones found in

this grid area, and it may occur in a region where the rhyolite horizons encountered in the Bison (SL-3) drilling to the east might be expected to pass through. For this reason alone it merits some consideration.

A cluster of weak conductors in the north of the area, between lines 140E and 148E centred on 40N, appears to be related to the wide zone of brecciation reported here. While there is no direct coincidence between outcrop evidence and conduction, a system of strike faulting in the immediate vicinity can be suspected, and a plurality of such axes would be entirely compatible with the observed conductor effects. No particular magnetic expression pertains throughout these various axes.

III BLOCK SL-3

Ironically, in the small coverage entailed here, two quite strong conductors have been resolved. However in point of fact based on the accompanying magnetic evidence, the two are likely to be the one horizon interrupted by an intervening fault structure transgressing the conductor setting across lines 4E and 8E. As projected and as a simple axis this fault strikes E-W, running from the north extremity of line 20E west into Post Lake, possibly shaping in part the south shore line in so doing. The apparent movement across the structure is in the sense south side west for some 400'.

The recorded conduction at its best reaches 22° peak - to - peak on line 4W. It is at this point that it is also the most shallow (35' or less from surface) and where it shows a clear and typifying flanking association with a strong (17,000 gamma) throughgoing magnetic feature. The latter is conformable with regional trends, and there is little doubt that it represents a magnetite iron formation in the sedimentary unit occurring at the top of the sequence. Indeed an earlier drill hole, Bison #3, intersected some 100' of such iron formation off-shore in Post Lake almost certainly on strike with the present conductor-magnetic system. Thus the presently observed zone can hardly be considered new or free of testing, and no further investigation of it is warranted.

The only weak conductor event that deserves mention in this grid area is at 11S on line 0. Not very startling in itself and showing no more than 400' strike extent, it lies on or within the cross-cutting fault zone projected above, and is manifestly magnetic. However, it is very possible that this magnetic relationship is not distinctive since the conductor tends to be at that point where any iron formation material caught up by the faulting could well appear. On probabilities then, the conduction is likely due to the faulting alone and is without further significance.

CONCLUSIONS AND RECOMMENDATIONS

It is concluded that the sampling of a reasonably favourable volcanic suite has been furthered by the present surveying. As expected, no new strong zones were revealed in this work, but there were encountered a number of modest possibilities in geophysical anomaly that allows the extension of testing for inherent mineral potential through the environment.

It is recommended therefore that a diamond drilling programme be undertaken based on the following specific holes:

DDH SL1-1	Collar : 9+00N/4+00E Drilled grid S at -45° for 500'
DDH SL1-2	Collar : 14+00S/56+00E Drilled grid S at -45° for 600'
DDH SL2-1	Collar : 17+00S/140+00E Drilled grid S at -45° for 500'
DDH SL2-2	Collar : 4+00S/112+00E Drilled grid S at -45° for 450'

In terms of priority, the first two holes are given preference and with equal weight. This is in line with the geologic inference of increased felsic content and improved probabilities to the volcanic sequence going NW. The third and fourth holes occur lower in the sequence and to the SE where andesites predominate, but also where interbeds of rhyolite without outcrop expression have been found to exist. Their drilling is thus important to the sampling of this region and the overall conclusions drawn with respect to the volcanic sequence.

JBB:sm
September 5, 1972

J. B. Boniwell
Exploration Geophysical Consultant

52G16SW0011 52G15SE0021 DUNNE LAKE

File 2.10.28

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LOGICAL – 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 Magnetometer

Township or Area Six Mile Lake & Sturgeon Lake

Claim holder(s) Norlex Mines Ltd.,
~~Suite 900, 140 Wellington St.~~ 1115 Sherbrooke St. Ste. 2703 Montreal 110, Quebec

Author of Report Mr. J. Boniwell

Address 1522 Clearwater Drive, Port Credit, Ont.

Covering Dates of Survey July 5-10 incl. 22-24 incl. 28, 1972
(linecutting to office)

Total Miles of Line cut 33.74

SPECIAL PROVISIONS CREDITS REQUESTED

ENTER 40 days (includes line cutting) for first survey.

ENTER 20 days for each additional survey using same grid.

DAYS per claim

Geophysical
-Electromagnetic
-Magnetometer 20
-Radiometric
-Other except claims marked (X)

Geological

Geochemical 10 days on ~~three~~ claims

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

Magnetometer ____ Electromagnetic ____ Radiometric ____
(enter days per claim)

DATE: ____ SIGNATURE: ____
Author of Report or Agent

PROJECTS SECTION

Res. Geol. Kenora

Qualifications burns Boniwell 63A.476 63.1284

Previous Surveys 2.118 Airborne 2.162 and 2.179 Expenditure 2.116 & 2.117 E.M and Mag

Checked by ____ date ____

GEOLOGICAL BRANCH

Approved by ____ date ____

GEOLOGICAL BRANCH

Approved by ____ date ____

OFFICE USE ONLY

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)
Pa.211807	Pa.211830
Pa.211808 X	Pa.211836
Pa.211810	Pa.211853
Pa.211812	Pa.211854
Pa.211813	Pa.211855
Pa.211814	Pa.211856
Pa.211815 X	Pa.211857
Pa.211816	Pa.211888
[redacted]	Pa.211889
Pa.211818 X	[redacted] 1/3 not covered
Pa.211819 X	Pa.227215
Pa.211820	Pa.227220
Pa.211821	Pa.227222
Pa.211822	Pa.227227
Pa.211823	Pa.229397
Pa.211824	Pa.229398
Pa.211825	Pa.229399
Pa.211826	Pa.229400
Pa.211827	
Pa.211828	
Pa.211829	

37

TOTAL CLAIMS 38

If space insufficient, attach list

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

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS

Number of Stations 1782 Number of Readings 1982

Station interval 100' with some at 50'

Line spacing 400'

Profile scale or Contour intervals 500 gammas

(specify for each type of survey)

MAGNETIC

Instrument MF-1 Fluxgate

Accuracy - Scale constant 20 gammas on the 1000 gamma range

Diurnal correction method Daily corrections tying into Base Stations established

Base station location Along Base Line at 800' intervals

ELECTROMAGNETIC

Instrument

Coil configuration

Coil separation

Accuracy

Method: ☐ Fixed transmitter ☐ Shoot back ☐ In line ☐ Parallel line

Frequency

(specify V.L.F. station)

Parameters measured

GRAVITY

Instrument

Scale constant

Corrections made

Base station value and location

Elevation accuracy

INDUCED POLARIZATION - RESISTIVITY

Instrument

Time domain Frequency domain

Frequency Range

Power

Electrode array

Electrode spacing

Type of electrode

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 Vertical Loop E.M.

Township or Area Six Mile Lake & Sturgeon Lake

Claim holder(s) Norlex Mines Lte. ~~115 Sherbrooke E. Ste 2703 Montreal 110, Que~~
~~Suite 900, 140 Wellington St., Ottawa, Ont.~~

Author of Report Mr. J. Boniwell

Address 1522 Clearwater Drive, Port Credit, Ontario

Covering Dates of Survey July 11 - August 4, 1972
(linecutting to office)

Total Miles of Line cut 57.84

SPECIAL PROVISIONS CREDITS REQUESTED		DAYS per claim
ENTER 40 days (includes line cutting) for first survey.	Geophysical	
	-Electromagnetic	20
	-Magnetometer	
	-Radiometric	
ENTER 20 days for each additional survey using same grid.	-Other	
	Geological	
	Geochemical	

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

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

DATE: _____ SIGNATURE: _____
Author of Report or Agent

PROJECTS SECTION

Res. Geol. _____ Qualifications _____

Previous Surveys 5 D

Checked by _____ date _____

GEOLOGICAL BRANCH

Approved by _____ date _____

GEOLOGICAL BRANCH

Approved by _____ date _____

OFFICE USE ONLY

MINING CLAIMS TRAVERSED
List numerically

(prefix) (number)

See Attached Schedule

If space insufficient, attach list

TOTAL CLAIMS 74

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

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS

Number of Stations 3054 Number of Readings 3054

Station interval 100'

Line spacing 400'

Profile scale or Contour intervals 1" = 20°

(specify for each type of survey)

MAGNETIC

Instrument

Accuracy - Scale constant

Diurnal correction method

Base station location

ELECTROMAGNETIC

Instrument Scintrex SE.600 Vertical Loop

Coil configuration Vertical

Coil separation 400'

Accuracy

Method: ☐ Fixed transmitter ☐ Shoot back ☐ In line ☒ Parallel line

Frequency 1600 Hz

(specify V.L.F. station)

Parameters measured Dip Angles

GRAVITY

Instrument

Scale constant

Corrections made

Base station value and location

Elevation accuracy

INDUCED POLARIZATION - RESISTIVITY

Instrument

Time domain Frequency domain

Frequency Range

Power

Electrode array

Electrode spacing

Type of electrode

"SPECIAL PROVISIONS"

VERTICAL LOOP E.M. SURVEY

Claim No.	Days	Claim No.	Days
Pa.211807	20	Pa.211856	20
Pa.211808	20	X Pa.211857	20
Pa.211810	20	Pa.211888	20
Pa.211812	20	Pa.211889	20
Pa.211813	20	X Pa.227215	20
Pa.211814 1/3 not covered	20	Pa.227220	20
Pa.211815	20	Pa.227221	20
Pa.211816	20	Pa.227222	20
~~Pa.211817~~	●	Pa.227227	20
Pa.211818 1/3	20	Pa.227228	20
Pa.211819	20	X Pa.229364	20
Pa.211820	20	Pa.229365	20
Pa.211821 1/3	20	Pa.229366	20
Pa.211822	20	Pa.229367	20
Pa. 823	20	Pa.229368	20
Pa.211824	20	Pa.229369	20
Pa.211825	20	Pa.229370	20
Pa.211826	20	Pa.229371	20
Pa.211827	20	Pa.229372	20
Pa.211828	20	Pa.229373	20
Pa.211829	20	Pa.229377	20
Pa.211853	20	Pa.229378	20
Pa.211854	20	Pa.229379	20
Pa.211855	20	Pa.229380	20

"SPECIAL PROVISIONS"

VERTICAL LOOP E.M. SURVEY

Claim No.	Days
~~Pa.229381~~ 1/2 not covered	20
X Pa.229383	20
Pa.229384	20
Pa.229385	20
Pa.229386	20
Pa.229387	20
Pa.229388	20
Pa.229389	20
Pa.229390	20
Pa.229391	20
Pa.229392 1/3	20
Pa.229393	20
Pa.229394	20
Pa.229395	20
Pa.229396	20
Pa.229397	20
Pa.229398	20
Pa.229399	20
Pa.229400	20
Pa.229401 1/2	20
X Pa.229402	20
Pa.229404 1/3	20
Pa.229405	20
Pa.229406	20
Pa.229407	20
Pa.229411 1/3	20
Pa.229412	20
Pa.229413 1/3	20

TOTAL - 1580 Days

74 claims

*Circled claim not covered / No Credits
Claims marked with (X) 10 days
others 20 days each.

GJ

File _____

GEOPHYSICAL – GEOLOGICAL – GEOCHEMICAL TECHNICAL DATA STATEMENT

RECEIVED
OCT 5 - 1972
PROJECTS SECTION

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: Linecutting & Geology

Township or Area: Six Mile Lake & Sturgeon Lake

Claim holder(s): Norlex Mines Ltd. ~~Choose other~~

~~Suite 900, 140 Wellington St., Ottawa, Ont.~~

Author of Report: Mr. J.G. Burns

Address: 401 Bay Street, Toronto, Ontario

Covering Dates of Survey: June 1 to August 3, 1972
(linecutting to office)

Total Miles of Line cut: 92.42

SPECIAL PROVISIONS CREDITS REQUESTED		DAYS per claim
ENTER 40 days (includes line cutting) for first survey.	Geophysical	
	--Electromagnetic	
	--Magnetometer	
	--Radiometric	
ENTER 20 days for each additional survey using same grid.	--Other	
	Geological	40
	Geochemical	

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

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

DATE: 29/9/72 SIGNATURE: J. Burns
Author of Report or Agent

PROJECTS SECTION

Res. Geol. _____ Qualifications 63A-476

Previous Surveys _____

Checked by _____ date _____

GEOLOGICAL BRANCH

Approved by _____ date _____

GEOLOGICAL BRANCH

Approved by _____ date _____

OFFICE USE ONLY

MINING CLAIMS TRAVERSED
List numerically

(prefix) (number)

See Schedule Attached

TOTAL CLAIMS 114

If space insufficient, attach list

"SPECIAL PROVISIONS"

Claim No.	Days	Claim No.	Days
Pa.211807	40	Pa.211834	40
Pa. 211808	40	Pa.211835	40
Pa.211810	40	Pa.211836	40
Pa.211812	40	Pa.211837	40
Pa.211813	40	Pa.211838	40
Pa.211814	40	Pa.211839	40
Pa.211815	40	Pa.211840	40
Pa.211816	40	Pa.211841	40
~~Pa.211817~~	[redacted]	Pa.211842	40
Pa.211818	40	Pa.211843	40 Linecutting
Pa.211819	40	Pa.211844	~~40~~ 20-10
Pa.211820	40	Pa.211845	~~40~~ 20-10
Pa.211821	40	Pa.211846	40
Pa.211822	40	Pa.211847	[redacted] 20-5
Pa.211823	40	Pa.211848	~~40~~ 20-15
Pa.211824	40	Pa.211849	40
Pa.211825	40	Pa.211850	~~40~~ 20-10
Pa.211826	40	Pa.211851	~~40~~ 20-0
Pa.211827	40	Pa.211852	[redacted] 20-5
Pa.211828	40	Pa.211853	40
Pa.211829	40	Pa.211854	40
Pa.211830	40	Pa.211855	40
Pa.211831	40	Pa.211856	40
Pa.211832	40	Pa.211857	~~40~~ 20-15

"SPECIAL PROVISIONS"

Claim No.	Days	Linecutting
~~Pa.211858~~	-	20-5
~~Pa.211859~~	-	
Pa.211860	40	
Pa.211861	~~40~~	20-5
Pa.211869	40	
Pa.211870	40	
Pa.211871	40	
Pa.211872	40	
Pa.211873	40	
Pa.211874	40	
Pa.211875	40	
Pa.211876	40	
Pa.211877	40	
Pa.211878	40	
Pa.211879	40	
Pa.211880	40	
Pa.211881	40	
Pa.211882	40	
Pa.211883	40	
Pa.211884	40	
~~Pa.211885~~	[redacted]	
~~Pa.211886~~	[redacted]	
Pa.211887	~~40~~	20-10

Claim No.	Days	Linecutting
Pa.211888	40	
Pa.211889	40	
~~Pa.227212~~	-	
~~Pa.227213~~	-	
Pa.227214	[redacted]	20-5
Pa.227215	~~40~~	20-10
Pa.227220	40	
Pa.227221	40	
Pa.227222	40	
Pa.227227	40	
Pa.227228	40	
Pa.229364	40	
Pa.229365	40	
Pa.229366	40	
Pa.229367	40	
Pa.229368	40	
Pa.229369	40	
Pa.229370	40	
Pa.2 9371	40	
Pa.229372	40	
Pa.229373	40	
Pa.229374	-	20-10
~~Pa.229375~~	[redacted]	

"SPECIAL PROVISIONS"

Claim No.	Days	Lineating
Pa.229376	[redacted]	20-10
Pa.229377	40	
Pa.229378	40	
Pa.229379	40	
Pa.229380	40	
~~Pa.229381~~	[redacted]	
~~Pa.229382~~	-	
Pa.229383 (½ not covered)	~~40~~	10-10
Pa.229384	40	
Pa.229385	40	
Pa.229386	40	
Pa.229387	40	
Pa.229388	40	
Pa.229389	40	
Pa.229390	40	
Pa.229391	40	
Pa.229392	40	
Pa.229393	~~40~~	20-15
Pa.229394	40	
Pa.229395	40	
Pa.229396	40	
Pa.229397	40	
Pa.229398	40	
Pa.229399	40	

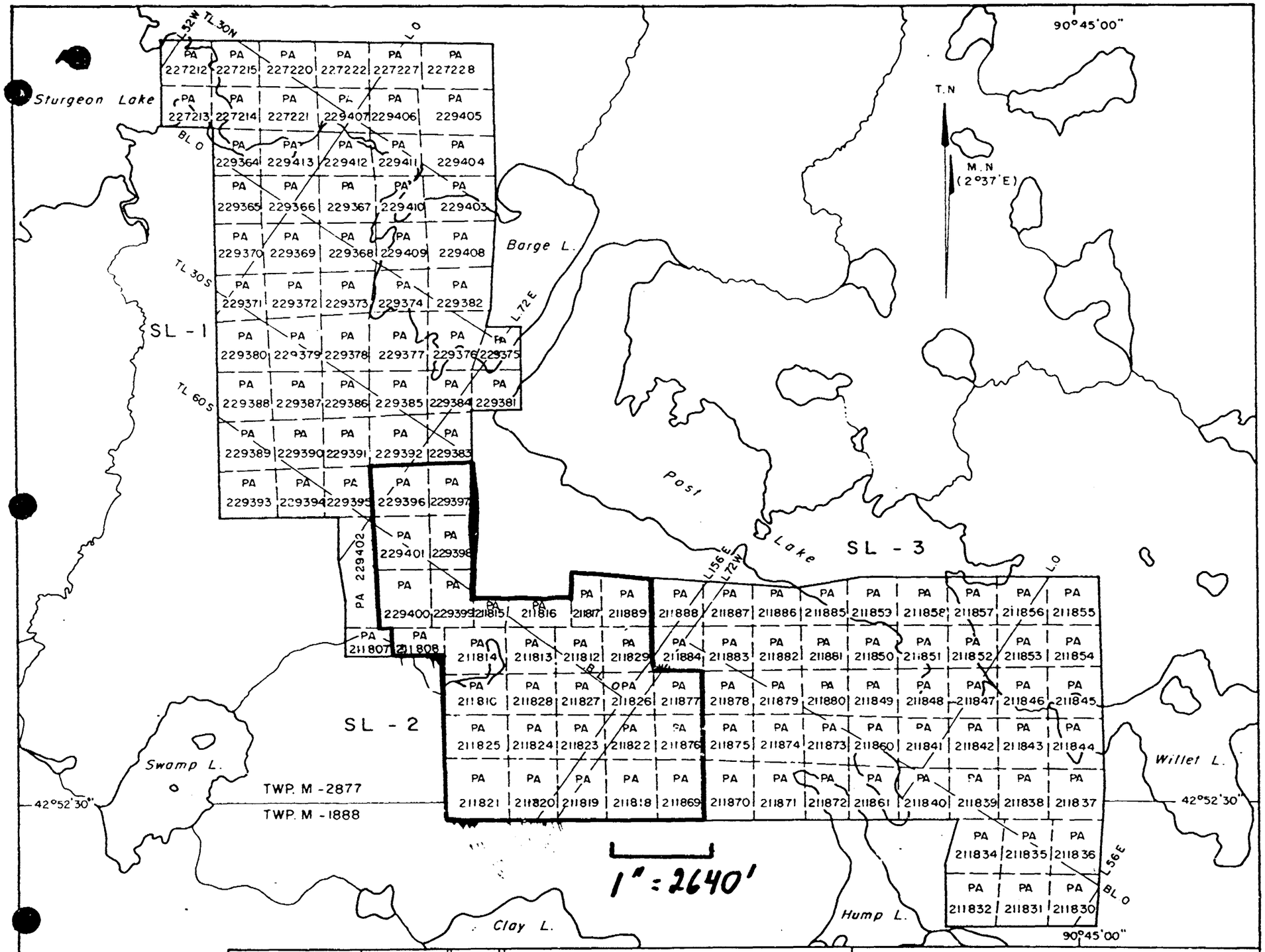
Claim No.	Days	Lineating
Pa.229400	40	
Pa.229401 (½ not covered)	40	
Pa.229402	~~40~~	10-10
Pa.229403	[redacted]	20-5
Pa.229404	40	
Pa.229405	40	
Pa.229406	40	
Pa.229407	40	
~~Pa.229408~~	-	
Pa.229409	-	20-5
Pa.229410	40	
Pa.229411	40	
Pa.229412	40	
Pa.229413	40	

1560

TOTAL - ~~4080~~ Days

45
37
32
114

32



DRAWN:	SCALE: 1"=2640'	LOCATION OF CLAIM GROUP	CANEX AERIAL EXPLORATION LTD.
TRACED: DS	DATE: Aug. 1972	NORLEX MINES LIMITED PROPERTY STURGEON LAKE CLAIM GROUP PATRICIA MINING DIVISION, ONTARIO	
APPROVED:			NTS: 52 - G - 15 VENTURE 138 - A

1"=40 CHNS

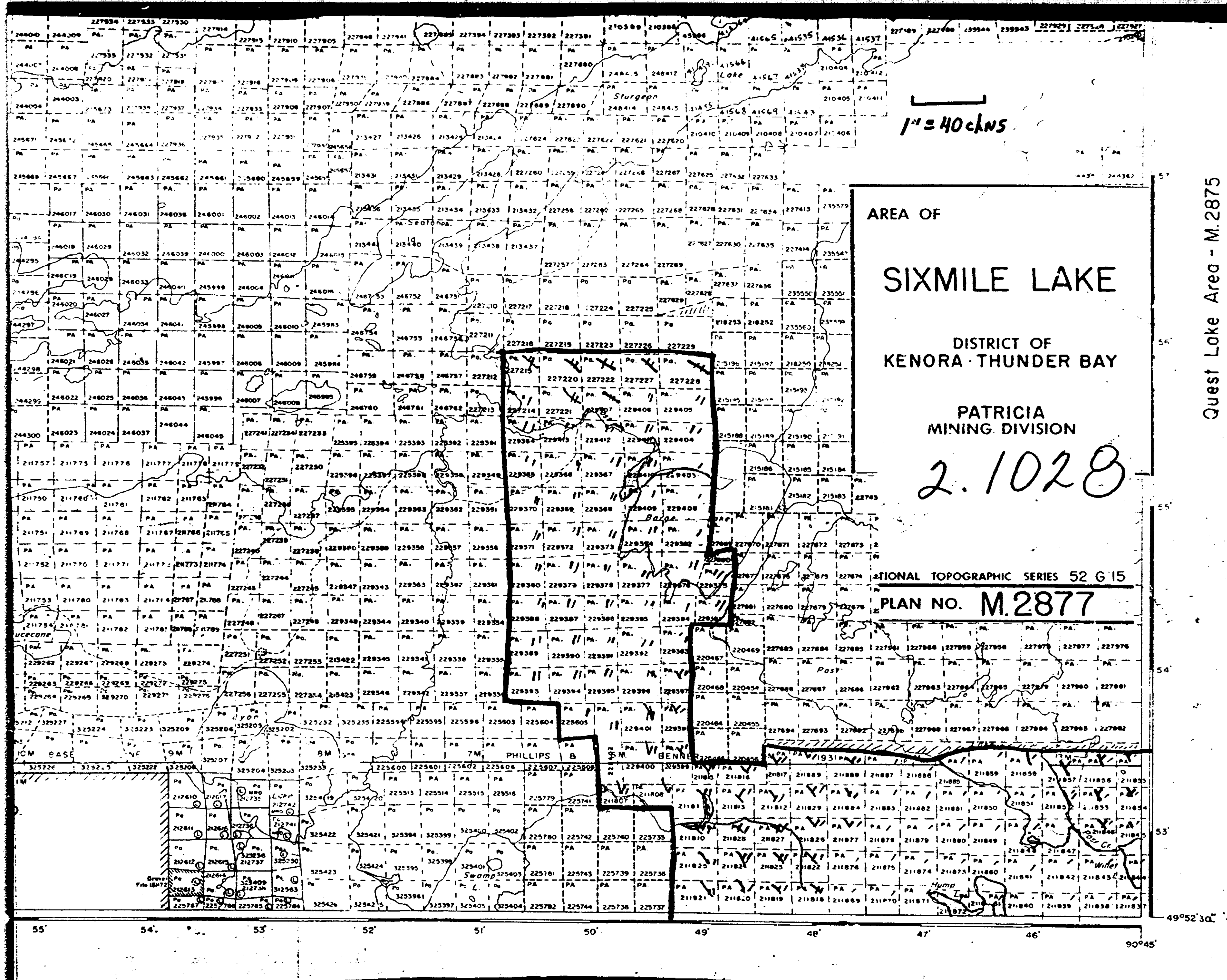
BELL + SLIKAS LK

2.1028

M.
1877

BELL
M-1888

DUNNE-LAKE
M-3274



AREA OF
SIXMILE LAKE
DISTRICT OF
KENORA · THUNDER BAY
PATRICIA
MINING DIVISION
2.1028
NATIONAL TOPOGRAPHIC SERIES 52 G 15
PLAN NO. M.2877
1" = 40 chns
Quest Lake Area - M.2875
Sturgeon
Lake
Seoto
Barge
Post
Lyon
Swamp L.
Hump
Post Cr.
Willet
PHILLIPS
BENNER
BASE
49°52'30"
90°45'

FOR ADDITIONAL INFORMATION SEE MAPS:

52G/15SE-0021 #1-9

LEGEND

TABLE OF FORMATIONS (composite table for the Norlex & adjoining Darex properties)

CENOZOIC
PLEISTOCENE & RECENT
Swamp accumulations, clay, sand, gravel boulders

Unconformity

PRECAMBRIAN
ARCHEAN

6 Ultrabasic Intrusive Rocks
(a) undifferentiated
(b) dunite

Intrusive Contact

5 Mafic Intrusive Rocks
(a) diorite

Intrusive Contact

4 Metasediments
*(a) argillite, greywacke siltstone
(b) iron formation

3 Rhyolitic Metavolcanics
(a) flow
(b) tuffaceous
(c) lapilli tuff
(d) agglomeratic

2 Metavolcanics
(a) fine grained flows
(b)
(c) lapilli tuff

1 Andesitic Metavolcanics
(a) fine to medium grained flows
*(b) porphyritic
(c) tuffaceous
(d) lapilli tuff
(e) agglomeratic
(f) brecciated (flow top, flow breccia)
(g) fault breccia
(h) pillowed
(i) pseudo-sedimentary tuffaceous
(j) amphibolitic

* To date found only on Darex property

NOTE: Numbers after tree names indicate diameters in inches of the species in the area.

SYMBOLS

Lakeshore
Swamp
Road
Claim post & boundary
E.M. conductor axis
SE - SE-600 vertical loop
CS - Crone Shootback
16 - Ronka EM-16
Assumed geological contact
between main rock types
within units
Boulder or small outcrop, area of outcrop
Bedding - inclined, vertical, dip unknown
Foliation - inclined, vertical, dip unknown
Fault or shear
Pillow top, stratigraphic tops for graded bedding
Pyroclastic breccia, fault breccia
Tuff
Diamond drill hole
Depth of overburden in feet

ABBREVIATIONS

py	pyrite	r	carbonate
po	pyrrhotite	s	sheared
cpy	chalcopyrite	t	massive
gr	graphite	u	amygdaloidal
zn	zinc		
gb	graded bedding		

0021 #1
52G/15 SE - 0021 #1

CANEX AERIAL EXPLORATION LTD.

GEOLOGICAL SURVEY
NORLEX MINES LIMITED PROPERTY
STURGEON LAKE CLAIM GROUP, SL-1
Patricia Mining Division, Ontario

2.1028
NTS

Instruments used:	Scale: 1" = 400'	Drawn: J.N.
Mapped by: J.G. Burns		Date: August 1972
Date surveyed: June-July 1972	NTS 52-G-15 / Venture 138-A	Dwg No. 1A

52G/15SE-0021, #2

28W L.24W L.20W L.16W L.12W L.8W L.4W L.0 L.4E L.8E L.12E L.16E L.20E L.24E L.28E L.32E L.36E L.40E

64 N
60 N
56 N
52 N
48 N
44 N
40 N
36 N
32 N
TL. 30N
28 N
24 N
20 N
16 N
12 N
8 N
4 N

L.44E L.48E L.52E L.56E L.60E L.64E L.68E L.72E L.76E L.80E

B.L. 0+00

4S
8S
12S
16S
20S
24S
28S
32S
36S
40S
44S
48S
52S
56S
64S
68S
72S
76S
80S

TL 30 S
TL 60 S

28W L.24W L.20W L.16W L.12W L.8W L.4W

L.0 L.4E L.8E L.12E L.16E L.20E L.24E L.28E L.32E L.36E L.40E L.44E L.48E L.52E L.56E L.60E L.64E L.68E L.72E L.76E L.80E

T.N.
M.N. (2°37'E)

Tx on L 24 W
Tx on L 20 W
Tx on L 16 W
Tx on L 12 W
Tx on L 8 W
Tx on L 4 W
Tx on L 0
Tx on L 4 E
Tx on L 8 E
Tx on L 12 E
Tx on L 16 E
Tx on L 20 E
Tx on L 24 E
Tx on L 28 E
Tx on L 32 E
Tx on L 36 E
Tx on L 40 E
Tx on L 44 E
Tx on L 48 E
Tx on L 52 E
Tx on L 56 E
Tx on L 60 E
Tx on L 64 E
Tx on L 68 E
Tx on L 72 E
Tx on L 76 E

PA 227221
PA 227222
PA 227227
PA 227228
PA 229364
PA 229365
PA 229366
PA 229367
PA 229368
PA 229369
PA 229370
PA 229371
PA 229372
PA 229373
PA 229374
PA 229375
PA 229376
PA 229377
PA 229378
PA 229379
PA 229380
PA 229381
PA 229382
PA 229383
PA 229384
PA 229385
PA 229386
PA 229387
PA 229388
PA 229389
PA 229390
PA 229391
PA 229392
PA 229393
PA 229394
PA 229395
PA 229396
PA 229397
PA 229401
PA 229403
PA 229404
PA 229405
PA 229406
PA 229407
PA 229408
PA 229409
PA 229410
PA 229411
PA 229412
PA 229413

DDH SL 1-1
DDH SL 1-2

Barge Lake
River

90°35'
50°00'
49°45'
SL-3
Quest L.
Glitter L.
ON MAP
250,000
0 5 mls.

20°S 0 20°N

E.M. conductor
Proposed diamond drill hole

CANEX AERIAL EXPLORATION LTD.

GROUND ELECTROMAGNETIC SURVEY
NORLEX MINES LIMITED PROPERTY
STURGEON LAKE CLAIM GROUP, SL-1
Patricia Mining Division, Ontario.
Vertical Loop E.M. Profiles
Broadside Transmitter Set-ups

Instr. used: Sharpe SE-600	Scale: 1"=400'-1"=20°		Drawn: DB
Operator: F.H.F.	Freq. 1600 Hz.		Date: August 1972
Date surveyed: July/72	NTS: 52-G-15	Venture: 138-A	Dwg. No. 1B

ONT. DEPT OF MINES
MAR 19 1973
Geologist, Kenora, Ont.

52G/15SE-0021, #2

52G/15SE_0021, #3

:8W L.24W L.20W L.16W L.12W L.8W L.4W L.0 L.4E L.8E L.12E L.16E L.20E L.24E L.28E L.32E L.36E L.40E

64 N
60N
56 N
52 N
48 N
44 N
40 N
36 N
32 N
TL. 30N
28 N
24 N
20 N
16 N
12 N
8 N

L.44E L.48E L.52E L.56E L.60E L.64E L.68E L.72E L.76E L.80E

PA 227222
PA 227227
PA 227228
PA 229405
PA 229406
PA 229407
PA 227221

Bog
BS 11
BS 10
1000
1500
2000
3000
4000
5500

Barge Lake
River

DDH
SL 1-1

DDH
SL 1-2

T.N.
M.N.
(2°37'E)

B.L. 0+00

4S
8S
12S
16S
20S
24S
28S
32S
36S
40S
44S
48S
52S
56S
TL 60 S
64S
68S
72S
76S
80S

T.L. 30 S
T.L. 60 S

L.0 L.4E L.8E L.12E L.16E L.20E L.24E L.28E L.32E L.36E L.40E L.44E L.48E L.52E L.56E L.60E L.64E L.68E L.72E L.76E L.80E

90°35'
50°00'
49°45'
90°35'
Ouest L.
Glitter L.
SL-3
N
MAP
50,000
5 mis.

Proposed diamond drill hole

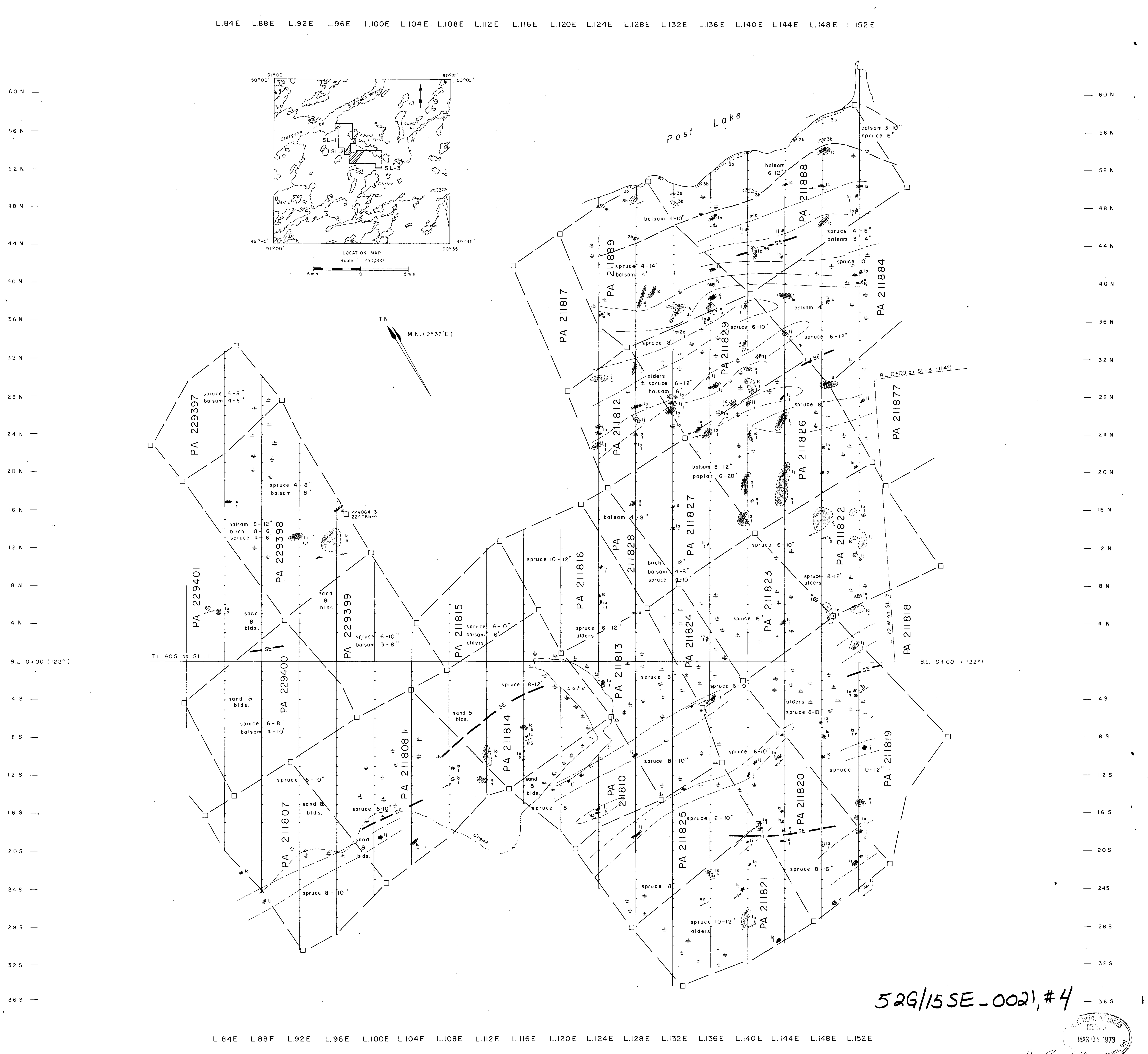
52G/15SE-0021, #3

CANEX AERIAL EXPLORATION LTD.

GROUND MAGNETIC SURVEY

NORLEX MINES LIMITED PROPERTY
STURGEON LAKE CLAIM GROUP, SL-1
Patricia Mining Division, Ontario.

Instr. used: Sharpe MF-1	Scale: 1"=400'		Drawn:
Operator: F.H.F.	Contour Interval: 500 gammas		Date: August 1972
Date surveyed: July 1972	NTS: 52-G-15	Venture: 138-A	Dwg. No. 1C



L.84E L.88E L.92E L.96E L.100E L.104E L.108E L.112E L.116E L.120E L.124E L.128E L.132E L.136E L.140E L.144E L.148E L.152E
60 N
56 N
52 N
48 N
44 N
40 N
36 N
32 N
28 N
24 N
20 N
16 N
12 N
8 N
4 N
B.L. 0+00 (122°)
4 S
8 S
12 S
16 S
20 S
24 S
28 S
32 S
36 S
LOCATION MAP
Scale 1" = 250,000
Sturgeon Lake
SL-1
SL-2
SL-3
Post Lake
T.N.
M.N. (2°37'E)
BL 0+00 on SL-3 (114°)
T.L. 60S on SL-1
L. 72 W on SL-3
BL 0+00 (122°)
Lake
Creek
PA 229397
PA 229398
PA 229399
PA 229400
PA 229401
PA 211807
PA 211808
PA 211810
PA 211812
PA 211813
PA 211814
PA 211815
PA 211816
PA 211817
PA 211818
PA 211819
PA 211820
PA 211821
PA 211822
PA 211823
PA 211824
PA 211825
PA 211826
PA 211827
PA 211828
PA 211829
PA 211877
PA 211884
PA 211888
PA 211889
224064-3
224065-4
L.84E L.88E L.92E L.96E L.100E L.104E L.108E L.112E L.116E L.120E L.124E L.128E L.132E L.136E L.140E L.144E L.148E L.152E
52G/15SE-0021, #4

Note: For legend see SL-1

CANEX AERIAL EXPLORATION LTD.

GEOLOGICAL SURVEY

NORLEX MINES LIMITED PROPERTY

STURGEON LAKE CLAIM GROUP, SL-2

Patricia Mining Division, Ontario.

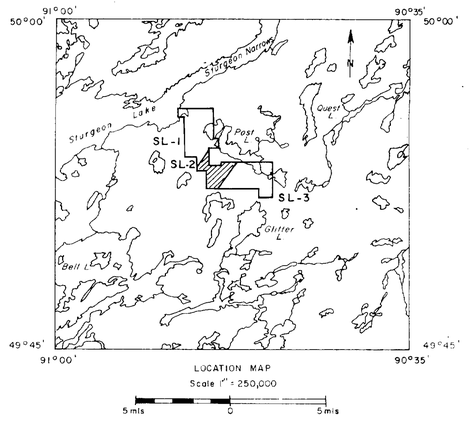
Instr. used:	Scale: 1" = 400'	Drawn:
Mapped by: J.G. Burns		Date: August 1972
Date surveyed: June-July 1972	NTS: 52-G-15	Venture: 138-A / Dwg. No. 2A

52G15SE0021 52G15SE0021 DUNNE LAKE

230

L.84E L.88E L.92E L.96E L.100E L.104E L.108E L.112E L.116E L.120E L.124E L.128E L.132E L.136E L.140E L.144E L.148E L.152E

60 N
56 N
52 N
48 N
44 N
40 N
36 N
32 N
28 N
24 N
20 N
16 N
12 N
8 N
4 N
B.L. 0+00 (122°)
4 S
8 S
12 S
16 S
20 S
24 S
28 S
32 S
36 S



LOCATION MAP
Scale 1" = 250,000
5 mls 0 5 mls

T.N.
M.N (2°37'E)

Post Lake

PA 229397
PA 229398
PA 229401
PA 229400
PA 229399
PA 211807
PA 211808
PA 211815
PA 211816
PA 211817
PA 211812
PA 211889
PA 211829
PA 211888
PA 211884
PA 211877
PA 211827
PA 211828
PA 211826
PA 211822
PA 211824
PA 211823
PA 211818
PA 211814
PA 211810
PA 211813
PA 211825
PA 211821
PA 211820
PA 211819

224064-3
224065-4

BL. 0+00 on SL-3 (114°)
T.L. 60S on SL-1
B.L. 0+00 (122°)
L. 72 W on SL-3
DDH SL 2-2
DDH SL 2-1
Lake

Tx on L 88E
Tx on L 84E
Tx on L 92E
Tx on L 96E
Tx on L 100E
Tx on L 104E
Tx on L 108E
Tx on L 112E
Tx on L 116E
Tx on L 124E
Tx on L 128E
Tx on L 132E
Tx on L 136E
Tx on L 140E
Tx on L 144E
Tx on L 148E

20°S 0 20°N

.... E.M. conductor
.... Proposed diamond drill hole

52G/15SE_0021, # 5

ONT. DEPT. OF MINES
MAR 19 1973
Queen's Park, Toronto, Ont.

CANEX AERIAL EXPLORATION LTD.

GROUND ELECTROMAGNETIC SURVEY

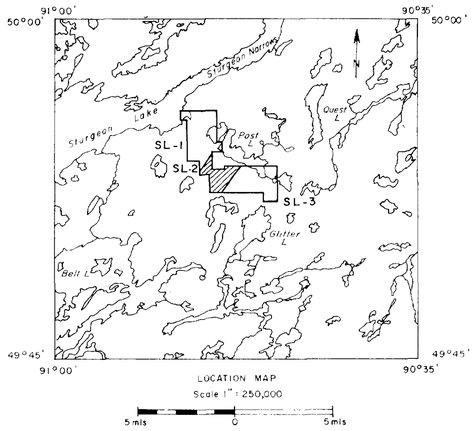
NORLEX MINES LIMITED PROPERTY
STURGEON LAKE CLAIM GROUP, SL-2
Patricia Mining Division, Ontario.
Vertical Loop E.M. Profiles
Broadside Transmitter Set-ups

Instr. used: Sharpe SE-600	Scale: 1" = 400'-1" = 20°	Drawn: PS	
Operator: F.H.F.	Freq. 1600 Hz.	Date: August 1972	
Date surveyed: July/72	NTS: 52-G-15	Venture: 138-A	Dwg. No. 2B

52G15SW0011 52G15SE0021 DUNNE LAKE

L.84E L.88E L.92E L.96E L.100E L.104E L.108E L.112E L.116E L.120E L.124E L.128E L.132E L.136E L.140E L.144E L.148E L.152E

60 N
56 N
52 N
48 N
44 N
40 N
36 N
32 N
28 N
24 N
20 N
16 N
12 N
8 N
4 N
B.L. 0+00 (122°)
4 S
8 S
12 S
16 S
20 S
24 S
28 S
32 S
36 S



...Proposed diamond drill hole

CANEX AERIAL EXPLORATION LTD.

GROUND MAGNETIC SURVEY

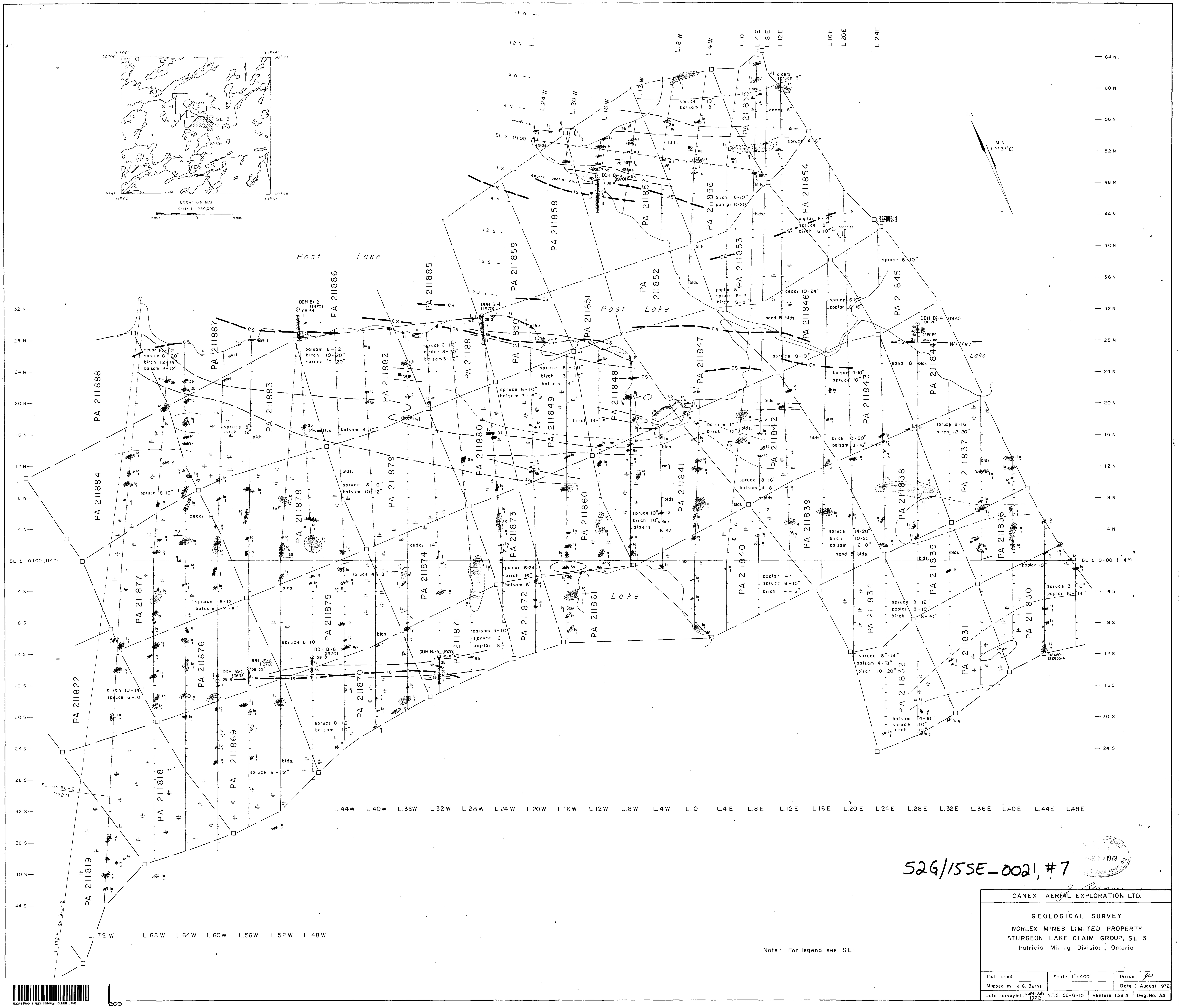
NORLEX MINES LIMITED PROPERTY
STURGEON LAKE CLAIM GROUP, SL-2
Patricia Mining Division, Ontario.

Instr. used: Sharpe MF-1	Scale: 1"= 400'	Drawn:	
Operator: F. H. F.	Contour Interval: 500 gammas	Date:	August 197
Date surveyed: July 1972	NTS: 52-G-15	Venture: 138-A	Dwg. No. 2 C

ONT. DEPT. OF MINES
MAR 19 1973
Cobalt, Kenora, Ont.

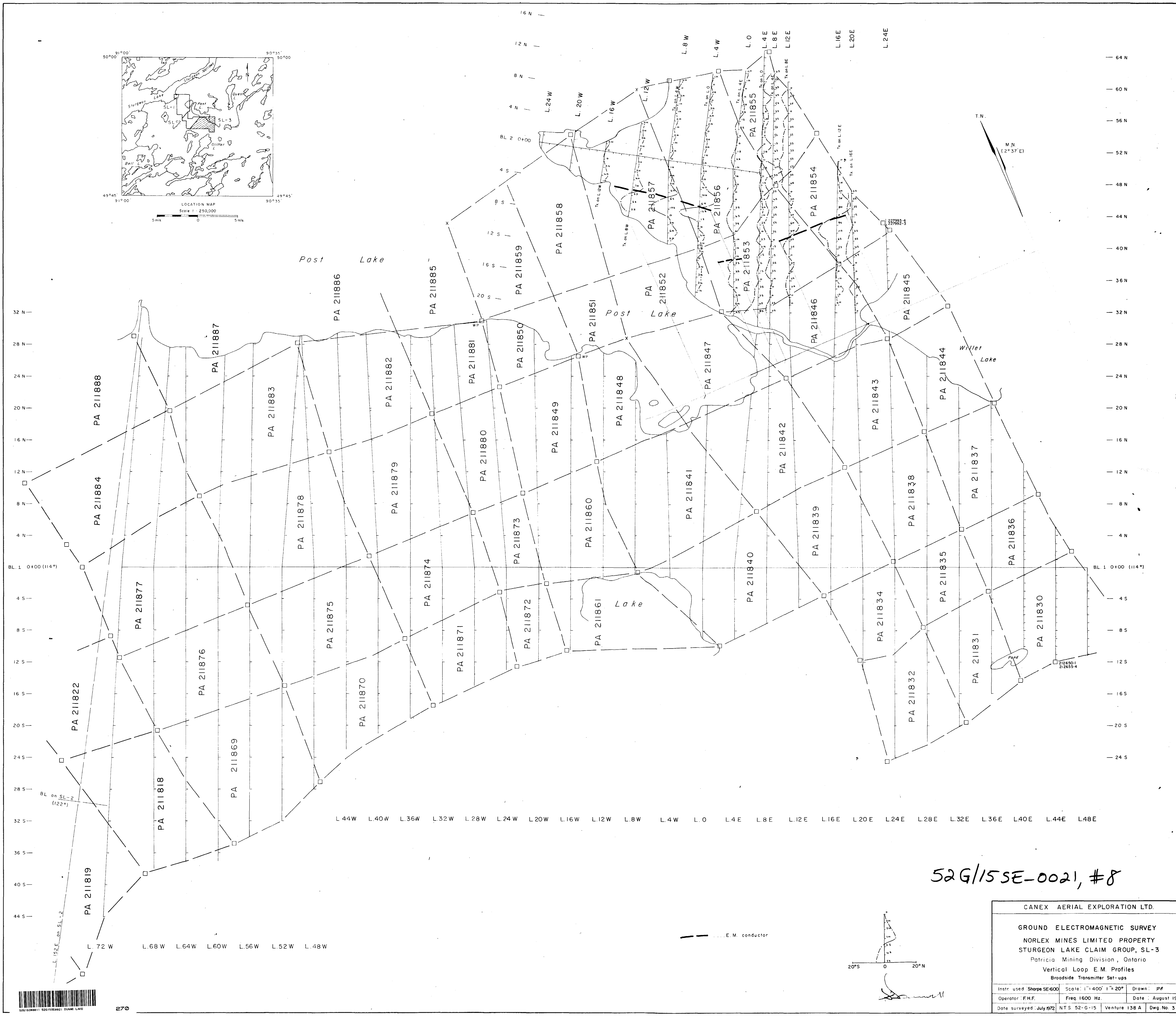
52G/15SE-0021, #6

52G15SW0011 52G15SE0021 DUNNE LAKE



52G/15SE_0021, #7

CANEX AERIAL EXPLORATION LTD.		
GEOLOGICAL SURVEY NORLEX MINES LIMITED PROPERTY STURGEON LAKE CLAIM GROUP, SL-3 Patricia Mining Division, Ontario		
Instr. used:	Scale: 1" = 400'	Drawn:
Mapped by: J.G. Burns		Date: August 1972
Date surveyed: June-July 1972	N.T.S. 52-G-15 / Venture 138 A	Dwg. No. 3A

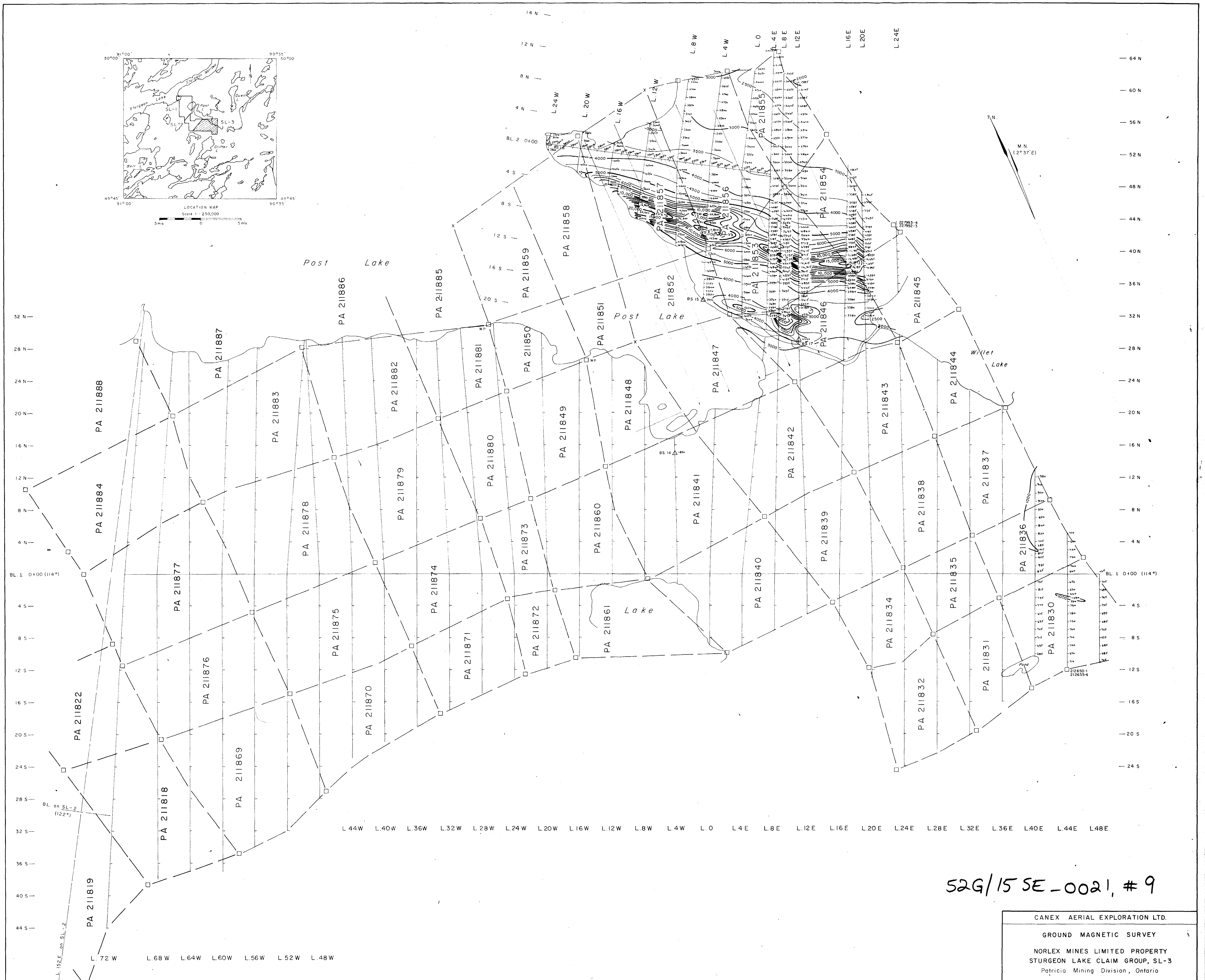


CANEX AERIAL EXPLORATION LTD.

GROUND ELECTROMAGNETIC SURVEY

NORLEX MINES LIMITED PROPERTY
STURGEON LAKE CLAIM GROUP, SL-3
Patricia Mining Division, Ontario
Vertical Loop E.M. Profiles
Broadside Transmitter Set-ups

Instr. used: Sharpe SE-600	Scale: 1" = 400' 1" = 20°	Drawn: PB
Operator: F.H.F.	Freq. 1600 Hz.	Date: August 1972
Date surveyed: July 1972	N.T.S. 52-G-15	Venture 138 A / Dwg. No. 3B



52G/15 SE-0021, #9

CANEX AERIAL EXPLORATION LTD.

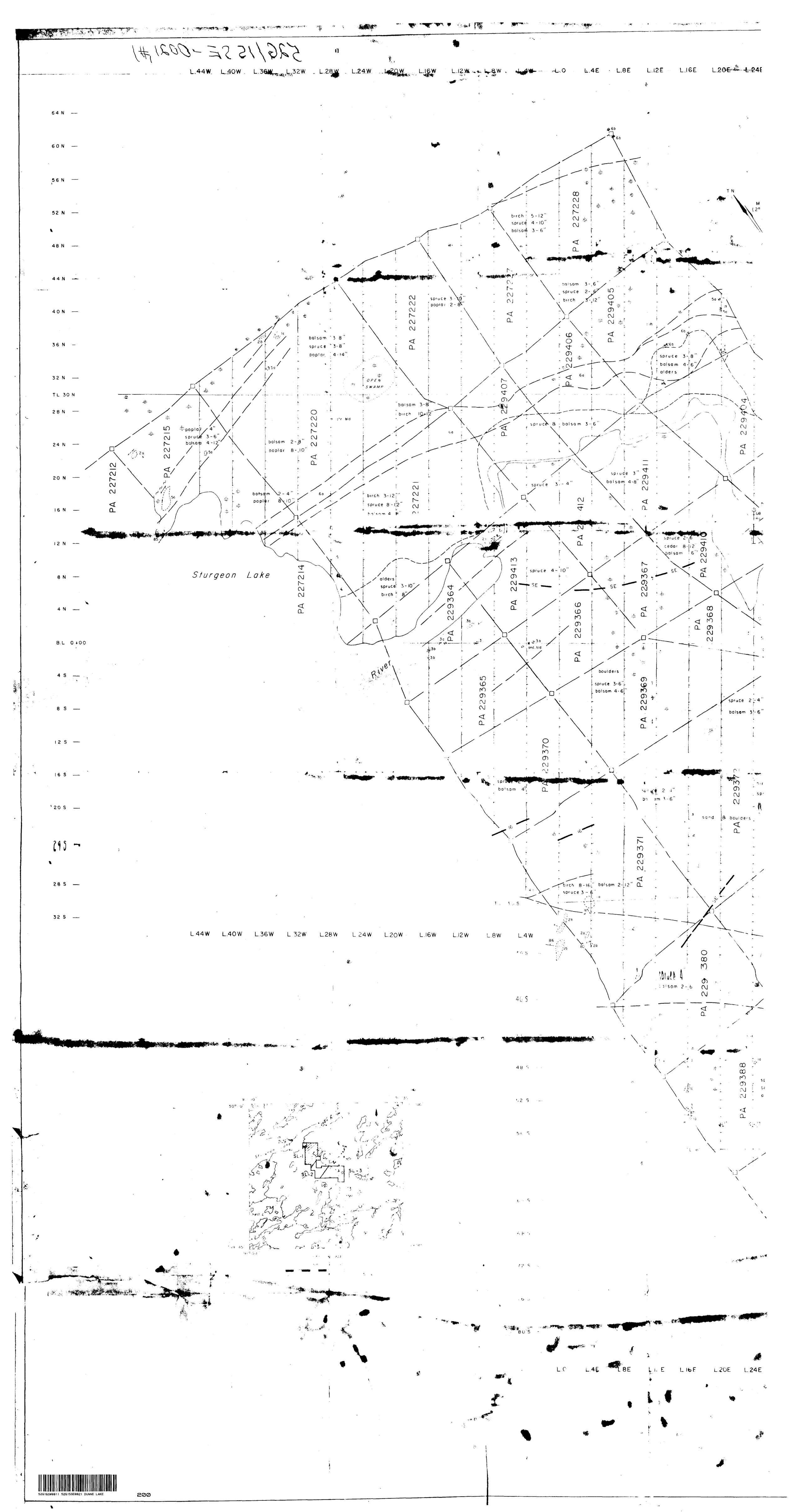
GROUND MAGNETIC SURVEY

NORLEX MINES LIMITED PROPERTY
STURGEON LAKE CLAIM GROUP, SL-3
Patricia Mining Division, Ontario

Contour interval: 500 gammas (up to 6000 γ)
1000 gammas (above 6000 γ)

Instr. used: Sharpe MF-1	Scale: 1"=400'	Drawn:
Operator: F.H.F. & B.H.		Date: August 1972
Date surveyed: July 1972	N.T.S. 52-G-15	Venture 138 A / Dwg. No. 3 C

280



525150048011 525150048021 DUNNE LAKE

52G16SW0011 52G15SE0021 DUNNE LAKE

210

L.44W L.40W L.36W L.32W L.28W L.24W L.20W L.16W L.12W L.8W L.4W L.0 L.4E L.8E L.12E L.16E L.20E L.24E L.28E L.32E L.36E L.40E

64 N
60 N
56 N
52 N
48 N
44 N
40 N
36 N
32 N
TL. 30 N
28 N
24 N
20 N
16 N
12 N
8 N
4 N
B.L. 0+00
4 S
8 S
12 S
16 S
20 S
24 S
28 S
32 S

PA 227215
PA 227222
PA 227220
PA 227214
PA 227221
PA 227227
PA 227228
PA 229405
PA 229406
PA 229407

BS 12
BS 11
BS 10

Bog
Sturgeon L.
River
Barge Lake

DDH
SL 1-1

1000
1500
2000
3000
4000
5000
6000

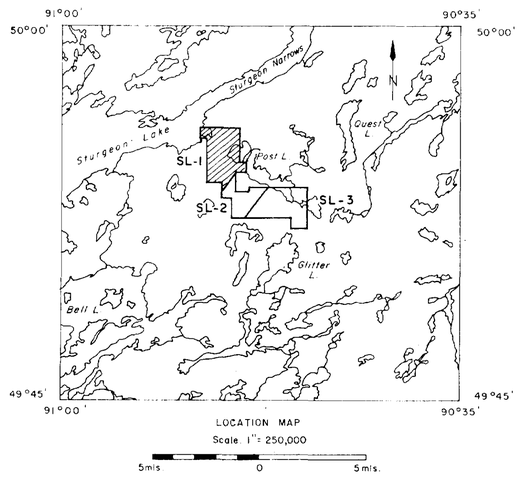
L.44E L.48E

TL. 30 S
36 S
40 S
44 S
48 S
52 S
56 S
TL. 60 S
64 S
68 S
72 S
76 S
80 S

T.L. 60 S

L.44W L.40W L.36W L.32W L.28W L.24W L.20W L.16W L.12W L.8W L.4W

L.0 L.4E L.8E L.12E L.16E L.20E L.24E L.28E L.32E L.36E L.40E L.44E L.48E



LOCATION MAP
Scale 1" = 250,000
5 mls. 0 5 mls.

Propo

52G16SW0011 52G15SE0021 DUNNE LAKE