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NRX-84-30

ONITAP RESOURCES LTD

GEOPHYSICAL SURVEYS

Gosselin Property

Asquith Township

LARDER LAKE MINING DIVISION
District of Sudbury
Ontario

JULY, 1984



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ACCOMPANYING MAP

Drawing #1 - Electromagnetic Survey
Scale: 1 inch to 200 feet



GEOPHYSICAL SURVEYS

Gosselin Property
Asquith Township

Larder Lake Mining Division
District of Sudbury
Ontario

A) INTRODUCTION

The Gosselin claim group consists of forty-four (44) contiguous claims in Asquith Township, Larder Lake Mining Division, District of Sudbury, Ontario. This report covers only two (2) of these claims L 672862 and 672863 which are held by Onitap Resouces Inc.

During July, 1984 a grid was cut over the property and subsequent EM-16 (VLF) and geochemical soil sampling surveys were conducted by Narex Ore Search Consultants Inc.

B) LOCATION AND ACCESS

The claims are located in northeastern Asquith Township, east of Highway 560 and about one mile east of the Village of Shining-tree, Ontario. Part of Chlorus Lake is located on the claim block. Access to the property is by a series of creeks and rivers which lead to the northwest and intersect Highway 560 about one-half mile from the property.

C) SURVEY AND INSTRUMENT DATA

The surveys were conducted over previously cut lines which are



spaced at 400-foot intervals and oriented approximately northeast-southwest across the property. A total of 2.0 miles of grid and base lines were cut and picketed every 100 feet. The main base-line which is oriented northwest-southeast has a length of 2,400 feet across the middle of the property.

Electromagnetic Survey

The electromagnetic survey was carried out using a "Geonics" EM-16 unit. The EM-16 is a sensitive receiver covering the frequency of the VLF (very low frequency) transmitting stations, with a means of measuring the vertical field components. The VLF transmitting stations operating for communication with submarines have a vertical antenna. The antenna current is thus vertical, creating a concentric horizontal magnetic field around them. When these magnetic fields meet conductive bodies in the ground, secondary fields are set up radiating from these bodies. The EM-16 equipment measures the vertical component of these secondary fields.

The receiver has two inputs with two receiving coils built into the instrument. One coil has a normally vertical axis and the other, a horizontal one. Secondary fields caused by conductive bodies are, therefore, measured by the EM-16 by the angle of dip on the instrument and by measured percentage of the quadrature component (out-of-phase component) to give a null signal.



Any deviation from the zero null position is indicative of a secondary field and, therefore, of a possible conductive body.

The transmitting station used for this survey was station NAA (29.0 kHz) Cutler, Maine, U.S.A. Readings were taken every 50 feet along the picketed lines for a total of 374 readings from 187 stations.

D) INTERPRETATION OF RESULTS

Electromagnetic Survey (EM-16)

Several moderate to weak north-south trending conductors were detected by the EM-16 survey.

Conductors A and A¹ are weak to moderate conductors which are traceable for about 400 feet each in the eastern part of the claims. The quadrature response for the conductor is negligible while the in-phase component is shifted both to the positive and negative sides with the superposition of waves, i.e. compound conductors. These could be weak bedrock-type conductors.

Conductor B is rather weak and short, 400 feet, and tends to show a sympathetic quadrature and in-phase component indicative of an overburden-type conductor.

Conductor C is a moderate strength conductor that is traceable over 1,600 feet, in the southern half the conductor shows some effect of the swampy terrain - overburden-type conductor surficial effect. The northern half of the conductor appears to



be a good bedrock conductor with little or no quadrature inflection with the in-phase cross-overs.

Conductor D, near the western edge of the claims, is traceable in a north-south direction for 800 feet. There appears to be little quadrature inflection at the cross-over points and suggests that this is probably a weak bedrock-type conductor.

Previous work done by Dome Exploration on the claims consisted of a magnetometer survey in 1979. This survey outlined several north-south trending high value magnetic zones.

Conductor C trends the same way and coincides with this magnetic high while Conductor D flanks it to the west.

E) CONCLUSIONS AND RECOMMENDATIONS

Results from the VLF EM survey show several north-south trending conductors over the two claims.

Conductors A, A¹ and B are weak overburden-type conductors. Conductors C and D appear to be moderate to weak bedrock-type with the southern part of Conductor C overlain by cedar swamp. In this part it appears to be an overburden response and probably masks the bedrock source.

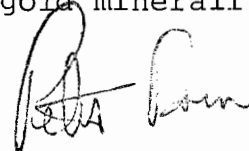
Results from Dome Exploration 1979 magnetometer survey indicate several major north-south high magnetic zones. The correla-



tion with the EM-16 shows that the magnetic high zone coincides with Conductor C and is flanked by Conductor D. Since no detailed mapping has been done, any precise interpretation is somewhat speculative. However, reconnaissance geology done by Carter in 1979 indicates very mafic dykes in the area. The high magnetic zones probably correspond to mafic dykes with a higher magnetic expression than the surrounding country rock.

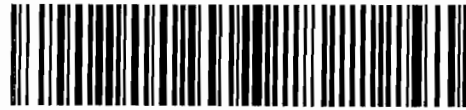
Preliminary prospecting also indicated that ultramafic flows and an alteration zone which consists of intensely carbonatized komatiites coincides and flanks Conductor D.

It is, therefore, recommended that geological mapping and prospecting should be carried out in order to better interpret the geophysical results. If the mapping indicates favourable rock types for possible gold mineralization, it is recommended that Conductors C and D should be checked by a self-potential survey (S.P.) in the hope of delineating a zone of disseminated sulphides. If positive indications result from the soil geochemistry survey, then a program consisting of several diamond drill holes should be undertaken in an effort to outline possible gold mineralization.



PETER BORN, M. Sc.
Project Geologist





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NRX-84-31

ONITAP RESOURCES INC.

GEOCHEMICAL SURVEYS

Gosselin Property
Churchill and Asquith Township

LARDER LAKE MINING DIVISION
District of Sudbury
Ontario

RECEIVED
AUG 02 1984
MINING LANDS SECTION

AUGUST 1984



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ACCOMPANYING MAPS

Block #1 - Soil Geochemical Survey Scale 1 inch: 200 feet
Block #2 - Soil Geochemical Survey Scale 1 inch: 200 feet
Block #3 - Soil Geochemical Survey Scale 1 inch: 200 feet



A. INTRODUCTION

This report for Onitap Resources Inc. covers eight (8) claims in Churchill and Asquith Townships, Larder Lake Mining Division, District of Sudbury, Ontario. These eight claims are part of a larger block of 44 continuous claims - Gosselin property. The eight claims are arranged in 3 claim groups, block # 1, block #2 and block #3.

Block # 1 consists of 3 continuous claims in Churchill Township which are numbers L 643222, 616422 and 616423.

Block # 2 consists of 3 continuous claims in Churchill Township numbers L 565155, 565231 and 571494.

Block # 3 consists of 2 continuous claims in Asquith Township, claims L 672862 and 672863.

During June-July 1984 a grid was cut over the claims and an subsequent geochemical soil survey was completed by NAREX Ore Search Consultants Inc. The survey was conducted over cut lines which were spaced at 400 foot intervals across the claims. A total of approximately 8 miles of grid and baseline were cut and picketed every 100 feet.

B. LOCATION AND ACCESS:

The Shining Tree area is located in the District of Sudbury, 77 miles due north of Sudbury or 65 miles due south of Timmins. (Fig. C-1)

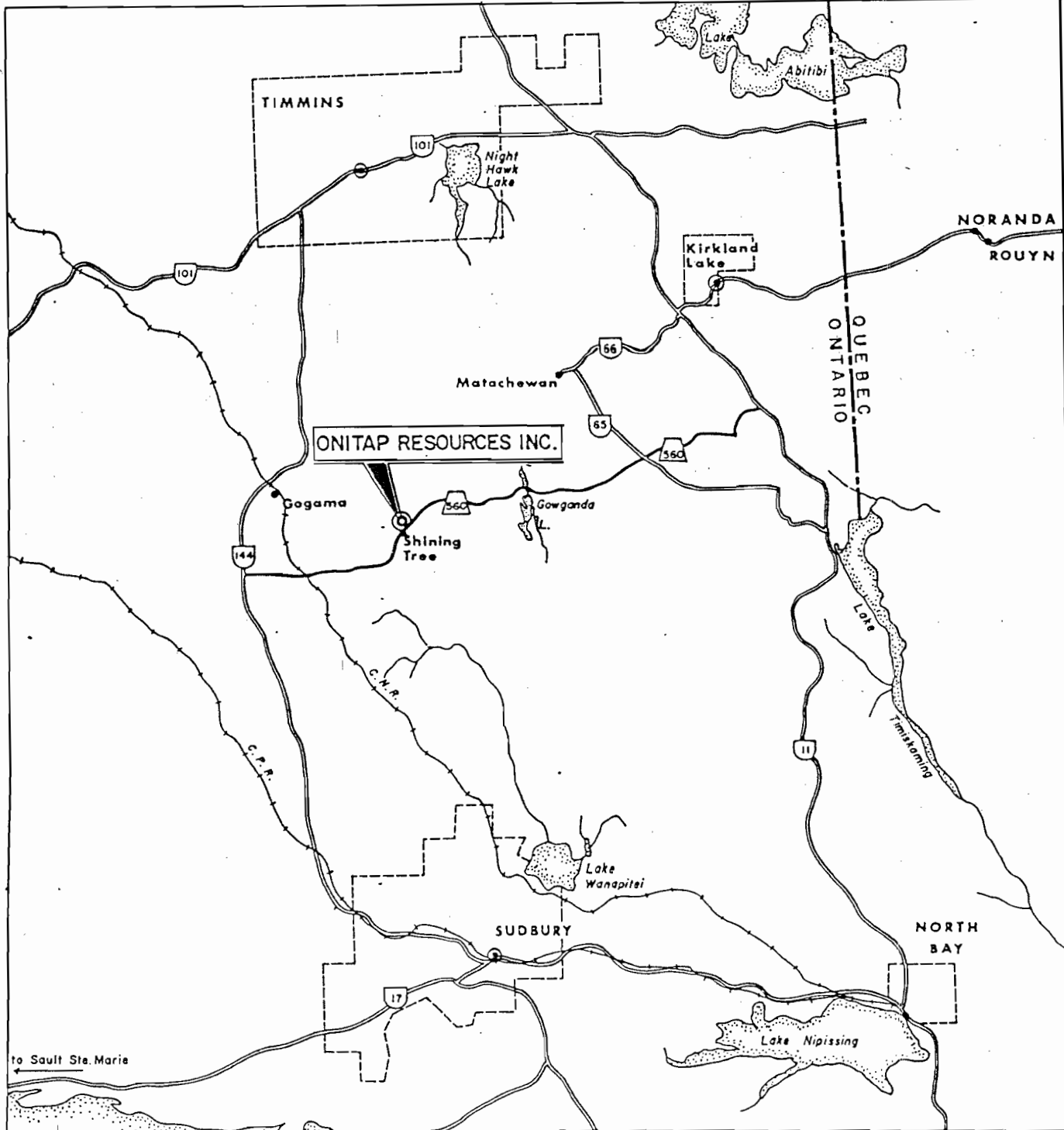
Access is via secondary roads from the main Timmins-to-Sudbury highway #144. Secondary Highway # 560, bisects the area of interest. The village of Shining Tree is located within this area.

Shining Tree is a community of some 50 residents, hosting a general store, several gas stations and three tourist camps. The nearest float plane base is at Gogama on highway # 144, some 23 air miles to the northwest. The regional Ministry of Natural Resources offices and base are located at Gogama.

The claims are located in northeastern Asquith Township, and in the southern part of Churchill Twp. east of Highway 560 and about one mile east of the Village of Shining Tree, Ontario. Part of Chlorus Lake is located on the claim block. Access to the property is by a series of creeks and rivers and a bush road which lead to Highway 560.

.../...





to Sault Ste. Marie

TIMMINS

ONITAP RESOURCES INC.

Gogama

Shining Tree

Matatchewan

Kirkland Lake

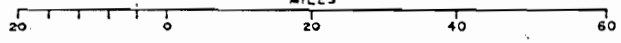
SUDBURY

NORTH BAY

KILOMETRES



MILES



ONITAP RESOURCES INC.

SHINING TREE AREA CLAIMS
ASQUITH, CHURCHILL, CONNAUGHT TWPS.
DISTRICT OF SUDBURY ONTARIO

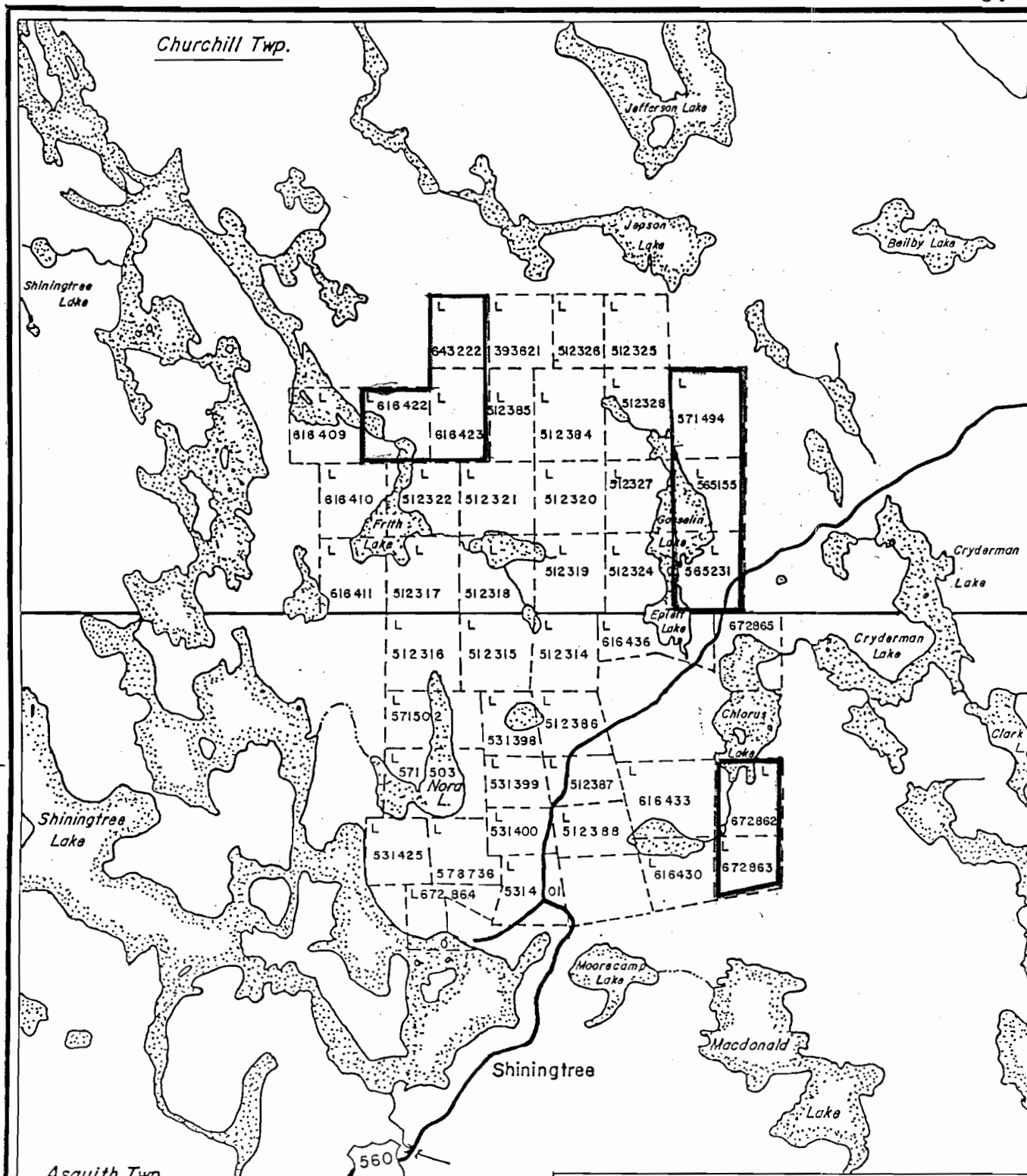
LOCATION MAP

Work by:	O.M.T.C.	1982/83	Scale:
Drawn by:	R.E.O.	Date: Sept '83	1:1600 000



NAREX Ore Search
Consultants Inc.

FIG.
C-1



Asquith Twp.

Churchill Twp.



ONITAP RESOURCES INC.
SHINING TREE AREA CLAIMS
 CHURCHILL AND ASQUITH TWPS., DISTRICT OF SUDBURY, ONTARIO.

PLAN OF CLAIMS
 (GOSELIN GROUP)

BLOCK 3

Work by: O.D.M.	M719-M637	Scale: 1" = 1/2 Mile
Drawn by: M.E.O.	Date: Sept. '83	

NAREX Ore Search Consultants Inc.

FIG. C-4

C. TOPOGRAPHY AND DRAINAGE

The area in the vicinity of the property is quite typical of the Precambrian Shield, with gently rolling relief. Rock outcrop represents about 5 - 15% of the surface, the rest is covered with a mantle of muskeg, bouldery clay and sandy clay, till, and dotted with small swampy lakes.

The higher ground of the area is covered with a mature growth mixture of birch, poplar, spruce and balsam and an undergrowth of alder and hazel. The intermediate flat areas consist usually of open spruce and balsam forest. The low-lying or swampy areas consist of an intermixed growth of balsam, cedar, tamarack and alders.

In Block # 1 a part of Frith Lake occupies the western part of the claim block.

In Block # 2 the western boundary is largely bordered by Gosselin lake while Chlorus Lake borders the northern edge of block # 3.

The property is wooded in all areas not occupied by lake or swamp, containing predominantly black spruce, balsam, some white pine and birch trees.

There have been forest fires in the area some years ago as evidenced by the charcoal layer below the organic material near surface in several places.

D. PREVIOUS WORK AND HISTORY

The Gosselin Group, Asquith & Churchill Twps.

Gold in the Shining Tree area was originally discovered on this block of claims in 1911 by Fred Gosselin. He, along with the Pakowsky interests of Duluth, formed Gosselin Gold Mines Ltd. to develop the "Gosselin Gold Zone". No work was ever filed from this phase of exploration but old Ontario government reports and the present exploration programmes have shown that a considerable amount of trenching and stripping was done during the 1912-1918 period.

During the same period, a shaft was sunk to a depth of 45 feet on an off-shot of the Main Vein. It was reported that gold occurred in various places throughout the shaft but that the distribution was erratic. Visible gold can still be found in the muck from the shaft. "The Gosselin Gold Zone"

.../..



consists of two quartz veins: the Gosselin vein or Main Vein which is 1 1/2 miles long, 1.6 to 65 feet wide and strikes N 15 W with a dip of 60 degrees west; and the Discovery Vein which is 2000 feet long, 3 to 6 feet wide and strikes N 73 W. Mineralization consists of gold, pyrite, chalcopyrite, tetrahedrite and tellurides in scattered pockets. Further trenching and sampling was done by Gosselin Gold Mines Ltd. in 1928 and 1929, by Mc Intyre Porcupine Mines Ltd., probably in the 1930's, and by Sylvanite Gold Mines Ltd., in 1937. No drilling was ever carried out on the property and development work appears to have ceased in 1937. In 1958, the property was under option to Bolduc Gold Mines Ltd. The best assay obtained on the Main Vein was reported in 1922 as 4 oz Au/ton and 20.1 oz Ag/ton. Sampling in 1959 by the government resident geologist from Kirkland Lake gave an assay value of 0.21 oz Au/ton over a 7.8 feet width.

It was not until 1973, when Noranda Exploration Company Ltd. obtained an option on 10 claims which included the Gosselin Zone that more detailed exploration on the whole property was undertaken. The work conducted by Noranda consisted of a magnetometer survey, geological mapping with a sampling programme, and five short packsack drill holes. The results were inconclusive, although some good assays were obtained (eg. 0.44 oz Au/ton over 2 feet). Noranda dropped the option in 1974.

In 1975 Tribridge Consolidated Gold Mines optioned the ten claims and conducted a programme of geological mapping, sampling and the drilling of three diamond drill holes. For the first time, an alteration zone was noted but not recognized as being associated with the mineralization. One of the Gosselin Zone assaying 0.052 oz Au/ton over 55 feet. Some of the samples from a trench of an offshoot of the Gosselin Zone assayed up to 0.29 oz Au/ton and 1.32 oz Ag/ton over 2.5 feet. Tribridge allowed the claims to lapse in 1978.

The claims were re-staked by R. Annett, T. Saville, and J. Sauv e and optioned to Patino Mines (Quebec) Ltd. Patino cut a grid and ran EM-16, magnetometer and geological surveys along with some trenching and drilling. Patino's goal was to discover a large, low-grade, open-pit type gold deposit.

.../..



They recognized a quartz-carbonate-fuchsite alteration zone associated with the Gosselin Zone and widespread mineralization throughout the zone. Patino also discovered a new quartz-carbonate-fuchsite zone south of the Gosselin Zone associated with a porphyry where a five foot section of drill core assayed 0.16 oz Au/ton and 0.51 oz Ag/ton. Some of the sampling returned good assays in other parts of the grid and several untested EM conductors were discovered from their surveys. In September of 1981 Northgate Exploration purchased Patino Mines (Quebec) Ltd. and consequently terminated the option and returned the claims to the optioner, J. Sauv e.

Mr. Sauv e transferred the claims to Timmins Gold Resources Ltd. NAREX Ore Search Consultants Inc. was retained to manage the properties. Subsequently the claims were transferred to 117455 Canada Ltd., a private company which made a joint-venture agreement with Timmins Gold Resources Ltd. The property is now part of the holdings of Onitap Resources Inc. NAREX outlined the south alteration zone and showed it to be very anomalous in gold and thus a good exploration target. A previously unknown iron formation was also tested by drilling and assayed 0.36% Zn, 0.057% Cu, 0.002 oz Au/ton, 0.08 oz Ag/ton over 3.7 feet and lower values over the adjacent 10 feet. Although the values are low, they show the presence of base metals in the iron formation which has been traced geophysically for over a mile. An assay of 0.55 Au/ton over 2.8 feet, resulted from detailed mapping of part of this formation in August 1982.

Further detailed geological mapping of the individual veins, together with bulk sampling is proposed for a first phase programme. A second phase with pilot scale milling or leaching would follow.

E. GENERAL GEOLOGY:

The Connaught, Churchill, and Asquith township area is underlain by a thick pile of Archean metavolcanic rocks. Early Precambrian rocks comprise a suite of subalkalic and alkalic metavolcanics, interlayered mafic and ultramafic intrusive rocks, and clastic and chemical metasediments.

.../..



The subalkalic metavolcanics range in composition from basalt to rhyolite. The alkalic metavolcanics range from kawaiite to trachyte in composition. The uncommon ultramafic and mafic intrusive rocks are interlayered with the mafic metavolcanics. Top determinations on pillowed structures in lavas, and graded bedding in subaqueous tuffs indicate the rocks become younger northeastward. An iron formation occurs in Churchill Township in the Michiwakenda and Okawakenda Lakes area and in the northern half of Connaught Township. The metavolcanic-metasedimentary rocks have been intruded by granitic rocks.

Early to Late Precambrian rocks, represented by numerous diabase dikes, varying in trend from northwest to north to northeast are cutting both the metavolcanic and metasedimentary rocks and the granitic rocks at Elephant Head Lake.

Middle Precambrian rocks rest unconformably on the older Early Precambrian rocks and comprise rocks belonging to the Espanola Formation of the Quirke Group, the Gowganda Formation of the Cobalt Group, and Nipissing Diabase.

Grey and white limestone, consisting of recrystallized calcite, belonging to the Espanola Formation, occurs in one area only about half a mile north-northwest of Elephant Head Lake in southern Connaught Township.

F. ECONOMIC GEOLOGY

Exploration activity in these three townships was carried out mainly for gold and copper deposits. Gold exploration was concentrated mainly in Churchill and Asquith Townships and copper exploration primarily in Connaught Township.

Many gold-bearing quartz veins and shear zones are present in the area and some high-grade gold occurrences have been discovered. The gold-bearing quartz veins are usually lensoid and limited in extent, although the Gosselin Vein has been traced for over a mile in strike length and other veins associated with gold-bearing shear zones and carbonate-fuchsite alteration zones are of considerable extent. It has also been suggested (M.W. Carter 1980) that iron formation in the area and gold in this formation are genetically related to the volcanic activity. Copper mineralization has been located at contacts between felsic and intermediate volcanics in northern Connaught Township and in Asquith Township. Copper mineralization is also associated with the Espanola Formation.

.../..



G. GEOLOGY OF THE PROPERTY

The property is situated in an area underlain by the Archean Sinclair group which is made up predominately of komatiitic rocks. The lithologic units strike in a NNW direction and outline a sequence of older ultramafic flows on the eastern shore of Gosselin Lake progressing to younger dacite flows to the east near Cryderman Lake. Several exhalite horizon are also intercalated in the volcanic pile with some quartz-feldspar porphyries and carbonate-fuchite alteration zones present in the region of the ultramafic flows.

H. OVERBURDEN AND SOILS

The overburden on the property consists of light brown to buff coloured poorly consolidated glacial till deposited about 11,000 years ago by continental ice sheets. The thickness of the glacial till in this area ranges from a few inches to probably 30 - 40 feet in swamps.

The surficial parts of the till have weathered to form a thin mantle of soil whose thickness ranges from 1 - 6 inches. The area has what would be classified as a podzolic soil.

The surficial organic A - horizon soil which consists of loose leaves, moss and partly-decomposed plant debris. The A₁- horizon (humus) underlies the A₀ layer and is characterized by a dark colour and consists mainly of decomposed organic material. The horizon is generally thin with from 1-3 inches present in swampy areas to less than 1/2 inch thick in well drained areas. In these areas a distinctive charcoal layer is part of the A-horizon and indicates that much of the organic material was destroyed by previous forest fires.

Where A₁, is not directly underlain by bedrock, it grades into a light coloured A₂- horizon of fine silty material and sand. This represents the leached soil zone and is generally widespread and 2 - 4 inches thick.

The A₂ horizon is underlainly the B₁ horizon and is well developed throughout the property area except in swampy areas where it may lie below a thick A - horizon. The progression shows a B₁-horizon which is chocolate brown or reddish brown colour consisting of an admixture of different proportions of very fine grained sand, clay and silty material with some pebbles. Its thickness ranges from 2" to about 4" and it is best developed in well-drained areas with undulating topography. In some areas the soil colour is particularly reddish and this was thought to be related to high concentrations of hydrous oxides of iron.

Ideally the B₁-horizon grades into the B₂-horizon which has a lighter brown colour. The B₂-horizon is generally more sandy than the B -horizon. In areas of impeded subsurface drainage, both the B₁- and B₂-horizons are poorly developed and tend to have mottled colours. The thickness of the B₂-horizon ranges from about 2" to over 10".



The C-horizon underlies the B₂-horizon. It consists mainly of glacial till which has been only slightly affected by soil forming processes. The horizon has a very light brown to earthy colour and its main constituents are uncolidated sands and gravel, rock fragments, and pebbles.

Generally, a lodgement till of some type would be present in the lower-most portion of the till directly overlying the bedrock.

I. PRESENT SURVEY

The survey completed by NAREX Ore Search Consultants was carried out in June, 1984. The survey entailed sampling of the B₁-horizon where it was present and elsewhere the A₁-horizon. The B horizon is well developed throughout most of the property except in to very low swampy areas where A₁ samples were taken. In some cases it was not possible for any samples to be taken since only living plant matter was present in the top 12 inches below the surface.

Sample location sites are plotted on the three maps for Block #1, #2, and #3, respectively. Samples were collected at 100-foot intervals along the grid and base lines. The lines are generally oriented east-west and are spaced at 400-foot intervals across the property.

A total of 327 samples were obtained from the property. The samples were subsequently hang dried and submitted to Assayers (Ontario) Limited for geochemical analysis for gold (parts per billion).

The analytical results and costs of the survey are tabulated in Appendix A and are also presented on contour maps for Blocks #1, #2, and #3, accompanying this report. The survey and analytical methods are described in Appendix B for the sampling program.

J. DISCUSSION OF RESULTS

Gold values obtained from soil samples of the three blocks ranged from less than 5 ppb to 111 ppb. Background gold content appears to be in the range of 5 ppb for both B₁ and A₁ horizons; comparing the two horizons in several localities indicates that the values of the B₁ horizon are approximately double that of the corresponding values in the A₁ horizon.

.../..



Block #1 (Map #1)

The geochemical survey outlined four anomalous zones oriented in a NNW direction. Of the 94 samples (plus 14 no samples), 17 had values of greater than 10 ppb with the highest being 111 ppb and the background being in the range of 5 ppb.

The area of the highest values is in claims L 643222 and 643223 and is mainly underlain by basalt flows. The outcrop is generally scarce with 5-10 feet overburden and well developed soils.

Block #2 (Map #2)

The soil geochemistry survey outlined five NNW trending anomalous zones. The highest results obtained were 110 ppb and 104 ppb on L24S at 12W and L12S at 5W respectively. Of the 155 samples (plus 6 no samples), 71 indicate more than 10 ppb and 11 of these samples were greater than 40 ppb. The background in block #2 appears to be in the order of 10 to 20 ppb which is higher than usual.

The anomalous zones with the highest values are all underlain by ultramafic rocks or basalts or carbonate-fuchsite alteration near the intrusive quartz-feldspar porphyry and parallel the lithological units. The overburden is about 5-10 feet thick between the 5% outcrop cover.

Block #3 (Map #3)

The geochemical survey outlined three anomalous zones with the highest results as 85 ppb on L16S at 1E. Of the 78 samples (plus 6 no samples), 27 gave results of greater than 10 ppb with 5 samples greater than 40 ppb.

The areas of largest anomalies are in a zone just east of the baseline and presumably underlain by basalts. The overburden cover is general 5-10 feet thick with sparse outcrops.

K. CONCLUSIONS AND RECOMMENDATIONS

Several general observations can be made with respect to the distribution of gold in soil over the property. It seems that the areas of high anomalous gold are distributed fairly regularly across all three blocks, #1, #2 and #3, in an NNW-SSE direction which reflects the trend of the underlying lithological units.

.../..



The general spatial distribution of Au anomalies suggest a stratabound NNW trending source for the Au mineralization. Gleeson (1979) has found that anomalies in humus horizons, but also in B₁ horizons generally occurs directly over subcrops of auriferous zones and their dispersion patterns are little affected by glacial transport.

The broad type of anomalies and their trend suggest that the Au source could mainly be stratabound rather than vein type Au mineralization. This is interesting since most of the known Au showings in the Shining Tree area in quartz veins. Clearly in the case of the high Au values in block #2 it appears that they are associated with the contact of the intrusive quartz-feldspar porphyry and carbonate alteration zones. In blocks #1 and #3 the anomalies are mainly underlain by carbonatized basaltic flows.

It is recommended that a program of stripping, trenching and sampling be utilized in the areas of the highest Au values in an effort to find the source the geochemical Au anomalies. Wherever the overburden is too thick for stripping, short inclined diamond drill holes would be needed to test the underlying bedrock.

In total there are approximately 10 target areas with 2 target areas in block #1, 5 targets in block #2, and 3 target areas in block #3. An overburden drill program would also be beneficial in outlining additional geochemical targets related to close to bedrock source.

A follow-up geophysical self-potential (S.P.) survey would outline any conductive areas of disseminated sulphides. If necessary this could be followed by an I.P. survey to better define drill targets ore areas for stripping etc...



August 1984

Peter Born, M.Sc.
Project Geologist



REFERENCES

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1980: Geology of Connaught and Churchill Townships, District of Sudbury; Ontario Geological Survey Report 190, 81p. Accompanied by Geological Map 2414, scale 1:31,680 or 1 inch to 1/2 mile.

Carter, M.W.

1979: Asquith Township, District of Sudbury; Ontario Geological Survey Preliminary Map. P.2312 Geol. Series, scale 1:15,840 or 1 inch to 1/4 mile. Geology 1976.

Curtin, G.C. Lakin, H.W., Neuerberg, G.J. and Huber, A.E.,

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1979: Consider geochemistry when seeking gold., The Northern Miner, Exploration issue, March 8, 1979.

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APPENDIX A

SOIL GEOCHEMISTRY - ANALYTICAL RESULTS AND
ASSAYING COSTS

Note: Sample numbers
refer to line and station
location which corresponds
directly to coordinates on
maps.

Block #1 - prefix F
Block #2 - prefix G
Block #3 - prefix C





ASSAYERS (ONTARIO) LIMITED

I

33 CHAUNCEY AVENUE TORONTO, ONTARIO M8Z 2Z2 · TELEPHONE (416) 239-3527

Certificate of Analysis

Certificate No. NX-08/6#3258 Date: July 20, 1984
 Received July 10/84 702 Samples of Soils
 Submitted by Narex Ore Search Consultants Inc. Att'n: Mr. R.J. Dehenne

Sample No.	Au ppb	Sample No.	Au ppb	Sample No.	Au ppb
J L20E/ 4S B	<5	J L20E/ 3N A	24	J L24E/15S B	<5
5	<5	4N B	34	16S B	<5
6	<5	5	<5	17S A	<5
7	15	6	13	18S A	<5
8	24	7	<5	19S B	31
9	<5	J L20E/ 7 +50N CL B	<5	J L24E/20S B	<5
10	27	J L24E/ 1S A	<5	J L24E/BL A	<5
11	<5	2S A	6	1N A	<5
12	34	3S A	9	2N B	<5
13	<5	4S B	<5	3N	<5
14	20	5	<5	4N	13
15	<5	6	<5	J L24E/ 5N B	<5
16	10	7	<5	C L0/BL B	51
17	13	8	<5	1E B	20
18S B	38	9	<5	2E A	20
19S A	<5	10	10	C L0/ 3E CL 2+75	<5
J L20E/20S B	17	11	13	C L0/ 5W B	<5
J L20E/BL	No Sample	12	<5	6W	<5
1N A	<5	13	<5	7W	<5
J L20E/ 2N A	<5	J L24E/14S B	37	C L0/ 8W B	<5

ASSAYERS (ONTARIO) LIMITED

Per _____

J. van Engelen Mgr.



ASSAYERS (ONTARIO) LIMITED

II

33 CHAUNCEY AVENUE TORONTO, ONTARIO M8Z 2Z2 · TELEPHONE (416) 239-3527

Certificate of Analysis

Certificate No. NX-08/19/ #3258 Date: July 25, 1984
 Received July 10/84 702 Samples of Soils
 Submitted by Narex Ore Search Consultants Inc. Att'n: Mr. R.J. Dehenne

Sample No.	Au ppb	Sample No.	Au ppb	Sample No.	Au ppb
C BL/ 1S	7	C L4S/ 9W B	<5	C L12S/3E CL ⁺ - 3+40	13
2S	<5	C L4S/10W A	8	1w	10
C BL/ 3S	<5	C L8S/BL B	<5	2w	<5
C L4S/BL B	7	1E	<5	3w	<5
1E B	13	2E	<5	4w	7
2E A	<5	3E	<5	5w	<5
3E B	<5	4E	62	6w	<5
4E B	<5	5E	17	7w	27
5E B	<5	1W	24	8w New NSCL No Sample	
6E A	12	2W	31	9w	<5
6E B	10	3W	17	10w A NSCLbog	6
7E B Cedar No Sample		4W	13	C L12S/11w	18
1W B	7	5W B	<5	C L16S/BL B	<5
2W A	13	6W A	8	1E	186
3W B	<5	7W A	<5	2E CL1+65E	<5
4W B	<5	8W B	37	1W	<5
5W A	11	C L8S/ 9W	No Sample	2W	<5
6W B	<5	C L12S/BL	24	3W	<5
7W A	<5	1E B	<5	4W	<5
C L4S/ 8W B	<5	C L12S/ 2E A	28	5W B	41

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Per

J. van Engelen Mgr.

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IV

33 CHAUNCEY AVENUE TORONTO, ONTARIO M8Z 2Z2 · TELEPHONE (416) 239-3527

Certificate of Analysis

Certificate No. NX-08/25/ #3258 Date: July 25, 1984
 Received July 10/84 702 Samples of Soils
 Submitted by Narex Ore Search Consultants Inc. Att'n: Mr. R.J. Dehenne

Sample No.	Au ppb	Sample No.	Au ppb	Sample No.	Au ppb
G L4N 6E Edge B	<5	G L8S/ 6E A	<5	G L8N/ 1W+20 B	6
7E	<5	7E B	<5	G L12S/BL 0 B	34
8E	10	1w	<5	1E	41
9E o/c crest of ridge		2w	37	2E	<5
10E	<5	3w	<5	3E	12
11E	<5	4W B	<5	4E	10
12E	<5	5W A	18	G L12S/ 5E CL	<5
13E	No Sample	6W B	<5	G L12W/ 1W B	<5
14E	No Sample	GL8N/0E BL B	<5	G L12S/ 2W	10
1W	<5	1E Edge	<5	3W	<5
2W	17	2E	20	4W B	13
3W	<5	3E B	<5	5W A	104
4W CL	<5	4E A	26	6W B	<5
G L8S/0+00BL B	31	5E A	11	G L12S/ 7W B	<5
1E	34	6E B	10	G L12N/ 3E CL 2+80	<5
2E	<5	7E	<5	4E	13
3E B	41	8E	10	G L12N/ 5E (ns) CL at 5+35	17
4E A	11	9E	17	G L16S/0+00BL B	<5
4E B	27	10E	20	1E	6
G L8S/5E B	<5	G L8N/11E E W CL	<5	2E B	<5

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ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE TORONTO, ONTARIO M8Z 2Z2 · TELEPHONE (416) 239-3527

Certificate of Analysis

Certificate No. NX-08/28/ #3258 Date: July 25, 1984
 Received July 10/84 702 Samples of Soils
 Submitted by Narex Ore Search Consultants Inc. Att'n: Mr. R.J. Dehenne

Sample No.	Au ppb	Sample No.	Au ppb	Sample No.	Au ppb
G L16S/ 1W B	6	G L20S /8W B	48	G L24S/12W B	110
2W	34	9W	41	13W A	<5
3W	20	10W	21	14W B	62
4W B	41	11W	14	15W B	24
5W A	10	12W	14	16W	17
6W B	<5	13W B	7	17W	38
7W A	26	14W	No Sample	18W	10
8W B	<5	15W A	22	19W	<5
9W B	10	G L24W/BL 0+00B	34	G L24S/20W B	<5
10W A	13	G L24S/ 1W	31	G L28W/BL	No Sample
11W B	24	2W	38	1W	No Sample
12W	No Sample	3W	14	G L28W/ 2W	No Sample
G L20S/BL 0+00 B	20	4W	21	G L28S/ 3W B	7
1W	<5	5W	10	4W A	12
2W	34	6W	25	5W B	86
3W	20	7W B	17	6W	<5
4W	27	8W A	12	7W B	<5
5W	38	9W A	<5	8W A	<5
6W	31	G L24S/10W B	10	9W B	<5
G L20S/ 7 W B	27	G L24W/11W B	<5	G L28S/ 10W B	<5

ASSAYERS (ONTARIO) LIMITED

Per

J. van Engelen
J. van Engelen Mgr.



ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE TORONTO, ONTARIO M8Z 2Z2 · TELEPHONE (416) 239-3527

VI

Certificate of Analysis

Certificate No. NX-08/ 31/ #3258

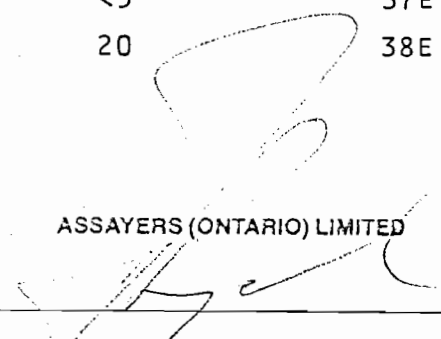
Date: July 26, 1984

Received July 10/84 702 Samples of Soils

Submitted by Narex Ore Search Consultants Inc. Att'n: Mr. R.J. Dehenne

Sample NO.	Au ppb	Sample No.	Au ppb	Sample No.	Au ppb
G L28S/ 11W B	<5	F L20N/ 31E B	<5	F L24N/25E A	<5
12W	<5	32E	17	26E B	10
13W	<5	33E	6	27E A	36
G L28S/ 14W B	<5	34E	<5	28E A	<5
F L16N/ 30E A	<5	35E	17	29E A	<5
31E A	<5	36E B	<5	F L24N/30E A	6
32E A	<5	37E A	<5	F L28N/ 25E B	8
32E B	7	38E B	<5	26E	14
33E B	<5	F L20N/ 39+20E B	13	27E	<5
34E A	<5	F L24N/ 14E A	<5	28E	<5
34E B	<5	15E A	<5	29E	9
35E A	36	16E A	<5	30E	52
36E B	6	17E A	<5	31E	6
F L16N/ 37E B	30	18E A	<5	32E	5
F L20N/ 25E B	9	19E A	8	33E	<5
26E	6	20E A	6	34E	11
27E	<5	21E A	<5	35E	15
28E	<5	22E B	<5	36E	<5
29E	<5	23E	<5	37E	<5
F L20N/ 30E B	<5	F L24N/ 24E B	20	38E CedarB	35

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Per 

J. van Engelen Mg.r

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33 CHAUNCEY AVENUE TORONTO, ONTARIO M8Z 2Z2 · TELEPHONE (416) 239-3527

Certificate of Analysis

Certificate No. NX-08/34/ #3258 Date: July 26, 1984
 Received July 10/84 702 Samples of Soils
 Submitted by Narex Ore Search Consultants Inc. Att'n: Mr. R.J. Dehenne

Sample No.	Au ppb	Sample No.	Au ppb
F L28N/39E	No Sample	F L32N/32E A	<5
40E A	<5	33E A	<5
40+70 A Cedar	<5	34E B	111
F L28N/40+70 B Cedar CL	<5	35E A	<5
F L32N/18+20E L.S. A	15	35E B	7
19E O/C CL 180'N-CP(L.5)155	No Sample	36E A	<5
20E O/C	No Sample	37E	<5
21E A	<5	38E A	<5
22E CL as 21+75E A	<5	39E A	<5
24E (25) Lake at 23+50(24+50) A	5	40E A	<5
25E (trench) A	5	41E A	<5
26E no A	No Sample	42E A	6
27E no A CL 27+30 CP120'N	No Sample	F L32N/43E CL43+50 CP285'N A	<5
28E noA	No Sample	F L36N/30E A	5
29E noA	No Sample	31E A	19
✓ F L28N/ 30E A	<5	32E A I.g.	<5
F L32N/ 28E A	<5	33E A	<5
29E	No Sample	34E A	<5
F L32N/ 30E B	17	35E A	<5
F L32N/ 31E A	<5	F L36N/36E	No Sample
		37E	No Sample
		F L36N/38E A	<5

ASSAYERS (ONTARIO) LIMITED

Per _____

J. van Engelen Mgr.

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3258



ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2 . TELEPHONE (416) 239-3527

SOLD TO

Narex Ore Search Consultants Inc.,
 Attention: Mr. R.J. Dehenne,
 208, 4900 Sheppard Ave. East,
 SCARBOROUGH, Ontario
 M1S 4A7

SHIP TO

SAME

DATE	SHIPPED VIA	FED. LICENCE NO.	PROV. LICENCE NO.	YOUR ORDER NO.	OUR ORDER NO.	TERMS	SALES REP.
July 26/84						Net 30	
QUANTITY	DESCRIPTION				UNIT PRICE	AMOUNT	
	702 envelopes received 49 empty						
653	Assays Au Geochem				\$ 8.50	\$ 5550.50	
653	Sample Handling				1.30	848.90	
	Cert. No. NX-08						
						\$ 6399.40	



only 327 samples for this report therefore 327 @ \$19.80 = 3204.60

$$\frac{3205}{15} = 214 \text{ day expenditure credit}$$

APPENDIX B

SAMPLING AND SAMPLE PREPARATION

All samples were collected along grid lines separated at 400-foot intervals across the property. The sampling interval was every 100 feet. Samples were taken only from the A₁ horizon and consisted of black inhomogeneous mixture of completely decomposed plant debris. In total 59 samples were collected.

All samples were collected in Kraft paper sample bags, using a small hoe. They were all air dried in the field camp before being transported to the assay lab (Assayers Ontario Limited) where they underwent thorough air drying again before removal from the bags for sieving or ashing.

After drying the samples collected from the A₁ soil horizon were ashed in a muffle furnace overnight at 500°C in order to remove organic matter which could form organic colloids and dangerous reactions with HClO₄ during digestion. The ashed samples were then sieved through a 60-mesh (250 m) stainless steel sieve and the minus 60-mesh size fraction of each sample was retained for the various digestions and analyses. In general, all ashed samples passed through the 60-mesh sieve except for occasional grains of sand that were incorporated in the material during sampling.

The standard procedure for a sample is to first do a fire assay and then redissolve the bead and then to use Atomic absorption (AA) to give another value which has accuracy of 5 ppb.

Described below is the standard methods used. This is taken from Ontario Geological Survey Miscellaneous Paper 110 (1983) in a paper by C. Riddle, Analytical Methods for Gold:

Routine Fire Assay

(Flux fusion, extraction into lead, parting of Dore bead, gravimetric determination, factoring).

The standard crucible assay requires the following steps:

- a) weight out pulp (14.583 g, ½ assay ton)
- b) add stock flux (listed below) approximately 100 g.
- c) mix ore and reagents in crucible
- d) place in furnace (preheated to 1025°C) and heat for 35 minutes
- e) pour molten charge into cast iron mold



- f) inspect crucible for lead loss
- g) note slag colour for possible interference
- h) note size and appearance of lead button
- i) break slag and free lead button (20-25 g)
- j) cube lead button with hammer
- k) place lead cube in furnace on preheated cupel (950°C) and heat in vented atmosphere for approximately half an hour, until lead is absorbed in cupel
- l) remove silver bead and note any peculiarities
- m) brush and accurately weigh silver bead using fine balance
- n) digest silver in hot nitric acid and wash residue with distilled water
- o) anneal and accurately weigh (to 2 micrograms) gold using fine balance
- p) record all results and observations
- p) calculate silver weight and report gold and silver results

The stock flux contains the following:

litharge	80 g
sodium carbonate	40 g
silica	12 g
borax glass	12 g
flour	2.5 g

Geochemical Gold Determination

(Dore bead preparation, acid digestion, graphite furnace atomic absorption, calibration calculation)

The logic behind the fire assay concentration is to (1) take a large enough sample to get enough of the precious metal present to give good precision, and (2) to transform the possibly complex matrix of the ore into a simple metal alloy.

The method used for concentrating precious metals for AA analysis is as follows:

- a) weigh out 10 g of sample pulp
- b) mix with approximately 75 g of standard flux
- c) add 2 drops silver nitrate (AgNO₃) solution (this furnace charge makes a bead of approximately 15 mg)
- d) follow "regular gold and silver assays" from step (c) to step (e)





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.

RECEIVED
AUG 02 1984

MINING LANDS SECTION

Type of Survey(s) Geophysical
Township or Area Asquith Twp
Claim Holder(s) Onitap Resources Inc.
208-4900 Sheppard Ave. E., Scarborough, Ont.
Survey Company Narex Ore Search Consultants Inc.
Author of Report Peter Born
Address of Author 165 Frederick St., Bradford, Ont.
Covering Dates of Survey June 29-July 20, 1984
(linecutting to office)
Total Miles of Line Cut 20

MINING CLAIMS TRAVERSED
List numerically

L 672862 ✓
(prefix) (number)
L 672863 ✓

SPECIAL PROVISIONS
CREDITS REQUESTED

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

Geophysical
VLFF -Electromagnetic 40
-Magnetometer _____
-Radiometric _____
-Other _____
Geological _____
Geochemical _____

DAYS
per claim

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

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

DATE: July 20, 1984 SIGNATURE: Peter Born
Author of Report or Agent

Res. Geol. _____ Qualifications 2-31004

Previous Surveys

File No.	Type	Date	Claim Holder

TOTAL CLAIMS 2

OFFICE USE ONLY

If space insufficient, attach list

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS – If more than one survey, specify data for each type of survey

Number of Stations 187 Number of Readings 374
Station interval 50 feet Line spacing 400 feet
Profile scale 1 inch to 20%
Contour interval _____

MAGNETIC

Instrument _____
Accuracy – Scale constant _____
Diurnal correction method _____
Base Station check-in interval (hours) _____
Base Station location and value _____

ELECTROMAGNETIC

Instrument Geonics EM-16
Coil configuration 2 coils - perpendicular
Coil separation _____
Accuracy Plus/Minus 1 degree
Method: Fixed transmitter Shoot back In line Parallel line
Frequency NAA 24.0 kHz
(specify V.L.F. station)
Parameters measured In-phase and quadrature dip angle

GRAVITY

Instrument _____
Scale constant _____
Corrections made _____
Base station value and location _____
Elevation accuracy _____

INDUCED POLARIZATION
RESISTIVITY

Instrument _____
Method Time Domain Frequency Domain
Parameters – On time _____ Frequency _____
– Off time _____ Range _____
– Delay time _____
– Integration time _____
Power _____
Electrode array _____
Electrode spacing _____
Type of electrode _____



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) GEOCHEMICAL
Township or Area Churchill and Asquith Twps.
Claim Holder(s) Onitap Resources Inc.
208-4900 Sheppard Ave. Scarborough,
Survey Company Narex Ore Search Consultants Inc.
Author of Report Peter Born
Address of Author 165 Frederick St. Bradford, Ontario
Covering Dates of Survey June 27 - Aug. 1, 1984
(linecutting to office)
Total Miles of Line Cut 5

MINING CLAIMS TRAVERSED
List numerically
L 616422 ✓
L 616423 ✓
L 643222 ✓
L 672862 ✓
L 672863 ✓
* L 507641 - 5 days
TOTAL CLAIMS 5

SPECIAL PROVISIONS CREDITS REQUESTED
Geophysical DAYS per claim
-Electromagnetic
-Magnetometer
-Radiometric
-Other *Expenditure credit
Geological
Geochemical 40

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)
Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)
DATE: Aug. 2, 1984 SIGNATURE: Peter Born
Author of Report or Agent

Res. Geol. _____ Qualifications _____
Previous Surveys
Table with columns: File No., Type, Date, Claim Holder

OFFICE USE ONLY

If space insufficient, attach list

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AUG 02 1984
MINING LANDS SECTION

GEOCHEMICAL SURVEY – PROCEDURE RECORD

Numbers of claims from which samples taken L 616422 - 616423 - 643222
672862 - 672863

Total Number of Samples 74 + 10 no samples

Type of Sample Humus
(Nature of Material)

Average Sample Weight 200 grams

Method of Collection _____

Soil Horizon Sampled B

Horizon Development good

Sample Depth 4"

Terrain undulating - outcrop areas

Drainage Development _____

Estimated Range of Overburden Thickness 1-6 feet

SAMPLE PREPARATION

(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis _____
-60 mesh

General See appendix B

ANALYTICAL METHODS

Values expressed in: per cent
p. p. m.
p. p. b.

Cu, Pb, Zn, Ni, Co, Ag, Mo, As, -(circle)

Others Au

Field Analysis (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Field Laboratory Analysis

No. (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Commercial Laboratory (AA _____ tests)

Name of Laboratory Assayers Ontario Ltd.

Extraction Method See Appendix B

Analytical Method In report

Reagents Used _____

General _____



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) Geochemical
Township or Area Churchill Twp.
Claim Holder(s) Onitap Resources Inc.
208-4900 Sheppard Ave. E. Scarb.
Survey Company Narex Ore Search Cons. Inc.
Author of Report Peter Born
Address of Author 165 Frederick St. Bradford, Ont.
Covering Dates of Survey June 22-Aug. 1, 1984
(linecutting to office)
Total Miles of Line Cut _____

MINING CLAIMS TRAVERSED
List numerically

L. 565155.....
(prefix) (number)
L. 565231.....
L. 571494.....

<u>SPECIAL PROVISIONS CREDITS REQUESTED</u>	Geophysical	DAYS per claim
ENTER 40 days (includes line cutting) for first survey.	-Electromagnetic_____	
	-Magnetometer_____	
	-Radiometric_____	
	-Other_____	
ENTER 20 days for each additional survey using same grid.	Geological_____	
	Geochemical_____	20

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

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

DATE: Aug. 2, 1984 SIGNATURE: _____
Author of Report or Agent

Res. Geol. _____ Qualifications _____

<u>Previous Surveys</u>			
File No.	Type	Date	Claim Holder

RECEIVED
AUG 02 1984
MINING LANDS SECTION
TOTAL CLAIMS 3

If space insufficient, attach list

OFFICE USE ONLY

GEOCHEMICAL SURVEY – PROCEDURE RECORD

Numbers of claims from which samples taken 4565155, 565231, 571494

Total Number of Samples 155 + 6 NO SAMPLES

Type of Sample HUMUS
(Nature of Material)

Average Sample Weight 200 GRAMS

Method of Collection _____

Soil Horizon Sampled B

Horizon Development 5000

Sample Depth 4"

Terrain UNDULATING - OUTCROPS AREAS

Drainage Development _____

Estimated Range of Overburden Thickness 1-6 FEET

SAMPLE PREPARATION

(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis _____

- 60 MESH

General SEE APPENDIX B

ANALYTICAL METHODS

Values expressed in: per cent
p. p. m.
p. p. b.

Cu, Pb, Zn, Ni, Co, Ag, Mo, As, -(circle)

Others AU

Field Analysis (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Field Laboratory Analysis

No. (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Commercial Laboratory (AA tests)

Name of Laboratory ASSAYERS ONTARIO LTD.

Extraction Method SEE APPENDIX B.

Analytical Method IN REPORT

Reagents Used _____

General _____

Aug 17th

The Mining Act 2.7018

#22

File L616420

Type of Survey(s) Geochemical	Township or Area Churchill Twp
Claim Holder(s) ONITAP RESOURCES INC.	Prospector's Licence No. T1532
Address 208-4900 Sheppard Ave. East, Scarborough, Ontario M1S 4A7	
Survey Company Narex Ore Search Consultants Inc.	Date of Survey (from & to) 14 06 '84 24 06 '84
Total Miles of line Cut 3.0	
Name and Address of Author (of Geo-Technical report)	

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	
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric	
	- Other	
	Geological	
	Geochemical	40

Man Days	Geophysical	Days per Claim
Complete reverse side and enter total(s) here	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	

Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Mining Claim			Mining Claim		
Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
L	616422				
	616423				
	643222				

RECEIVED
 JUN 25 1984
 MINING LANDS SECTION

LABOR LAKE
 JUN 18 1984
 7 18 19 1984

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditure Days Credits

Total Expenditures \div 15 = Total Days Credits

\$ \div 15 =

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. **3**

Date **June 15, 1984** Recorded Holder or Agent (Signature) *Peter Born*

For Office Use Only

Total Days Cr. Recorded **120** Date Recorded **JUN 18 1984** Mining Recorder *[Signature]*

Date Approved as Recorded *[Signature]* Branch Prefect *[Signature]*

See Reversed Statement

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
Peter Born, 165 Frederick Street, Bradford, Ontario

Date Certified **June 15, 1984** Certified by (Signature) *Peter Born*

- Please type or print.
- If number of mining claims traversed exceeds space on this form, attach a list.
- Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
- Do not use shaded areas below.

The Mining Act 2-7018

Type of Survey(s) **Geochemical Survey** Township or Area **Churchill Twp**
 Claim Holder(s) **ONITAP RESOURCES INC.** Prospector's Licence No. **T 1532**
 Address **Suite 208, 4900 Sheppard Ave. East, Scarborough, Ontario M1S 4A7**
 Survey Company **Narex Ore Search Consultants Inc.** Date of Survey (from & to) **22 06 84 | 25 06 84** Total Miles of line Cut **3.0**
 Name and Address of Author (of Geo-Technical report) **Peter Born, 165 Frederick Street, Bradford, Ontario L3Z 1K1**

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

Mining Claims Traversed (List in numerical sequence)

Mining Claim		Expend. Days Cr.	Mining Claim		Expend. Days Cr.
Prefix	Number		Prefix	Number	
L	565155	40			
	565231	41			
	571494	20			

RECEIVED
 JUL 26 1984
 MINING LANDS SECTION

LAKE
 RECEIVED
 JUL 30 1984
 AM
 7 18 19 10 11 12 13 14 15 16

Total number of mining claims covered by this report of work. **3**

Expenditures (excludes power stripping)

Type of Work Performed **Geochemical Assaying - Soils**

Performed on Claim(s)

Calculation of Expenditure Days Credits

Total Expenditures **\$1,515** ÷ **15** = **101** 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.

Date **July 5 '84** Recorded Holder or Agent (Signature)

For Office Use Only

Total Days Cr. Recorded **161** Date Recorded **JUL 10 1984** Mining Recorder

Date approved as Recorded **84.8.28** Branch Director

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 **Peter Born, 165 Frederick St., Bradford, Ontario L3Z 1K1**

Date Certified **July 5, 1984** Certified by (Signature)



Ministry of Natural Resources Ontario

Report of Work (Geophysical, Geological, Geochemical and Expenditures)

Lands manage

Instructions: - Please type or print. - If number of mining claims traversed exceeds space on this form, attach a list. Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns. - Do not use shaded areas below.

The Mining Act

2.7.018 *File* *672862*

Sept 15th #269

Type of Survey(s) **Geochemical and VLF Survey** Township or Area **Asquith Township**

Claim Holder(s) **ONITAP RESOURCES INC.** Prospector's Licence No. **T 1532**

Address **Suite 208, 4900 Sheppard Avenue East, Scarborough, Ontario M1S 4A7**

Survey Company **Narex Ore Search Consultants Inc.** Date of Survey (from & to) **29 06 84** to **30 06 84** Total Miles of line Cut **2.0**

Name and Address of Author (of Geo-Technical report) **Peter Born, 165 Frederick Street, Bradford, Ontario L3Z 1K1**

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	40
	- Magnetometer	
	- Radiometric	
	- Other	
For each additional survey: using the same grid: Enter 20 days (for each)	Geological	
	Geochemical	20

Man Days	Geophysical	Days per Claim
Complete reverse side and enter total(s) here	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	

Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Mining Claim		Expend. Days Cr.	Mining Claim		Expend. Days Cr.
Prefix	Number		Prefix	Number	
L	672862	25			
	672863	20			
	507641	5*			

*Expenditure credit only for this claim, part of contiguous block

RECEIVED JUL 25 1984 MINING LANDS SECTION

Expenditures (excludes power stripping)

Type of Work Performed *Sections 77(1)*
Assaying - soil samples

Performed on Claim(s) **L 672862, 672863**

Calculation of Expenditure Days Credits

Total Expenditures **\$750.00** ÷ **15** = **50** 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. **2**

Date **July 13, 1984** Recorded Holder or Agent (Signature) *[Signature]*

For Office Use Only
Total Days Cr. Recorded **170** Date Recorded **JUL 17 1984**
Date Approved as Recorded **84.8.28** Branch Director *[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 **Peter Born, 165 Frederick Street, Bradford, Ontario L2Z 1K1**
Date Certified **July 13, 1984** Certified by (Signature) *[Signature]*

27013

File 2616420

The Mining Act

Type of Survey(s) Geochemical	Township or Area Churchill and Asquith Tw
Claim Holder(s) Onitap Resources Inc.	Prospector's Licence No. T 1532
Address 208-4900 Sheppard Ave. East, Scarborough, Ontario	
Survey Company Narex Ore Search Consultants Inc.	Date of Survey (from & to) 21 Day 06 Mo. 84 Yr. 11 Day 07 Mo. 84 Yr.
Total Miles of line Cut 8	
Name and Address of Author (of Geo-Technical report) Peter Born, 165 Frederick St. Bradford, Ont. L3Z 1K1	

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	
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric	
	- Other	
	Geological	
	Geochemical	

Man Days	Geophysical	Days per Claim
Complete reverse side and enter total(s) here	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	

Airborne Credits	Geophysical	Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Mining Claim		Expend. Days Cr.	Mining Claim		Expend. Days Cr.
Prefix	Number		Prefix	Number	
L	616422	3			
	643221	3			
	643222	20			
	672864	20			
	672865	20			

RECEIVED
 AUG 10 1984
 MINING LANDS SECTION
 LARDELL LAKE
 RECEIVED
 AUG 7 1984
 AM 7 18 19 10 11 12 1 2 13 14 15 16 PM

See Revised Statement

Expenditures (excludes power stripping)

Type of Work Performed
Soil sampling - Au assaying

Performed on Claim(s)
L 565755, 565231, 571444, 616422, 616423, 643222, 578737, 643219, 643220, 643221

Calculation of Expenditure Days Credits

Total Expenditures **\$ 990** ÷ **15** = Total Days Credits **66**

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.

Date **Aug. 2/84** Recorded Holder or Agent (Signature)
Peter Born

Total number of mining claims covered by this report of work. **5**

For Office Use Only

Total Days Cr. Recorded **66** Date Recorded **AUG 3 1984** Mining Recorder *[Signature]*

Date Approved as Recorded **AUG 3 1984** Branch Director *[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
Peter Born, 165 Frederick St. Bradford, Ont. L3Z 1K1

Date Certified **Aug. 2/84** Certified by (Signature)
Peter Born



Recorded Holder	ONITAP RESOURCES INC
Township or Area	CHURCHILL AND ASQUITH TOWNSHIPS

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic _____ days Magnetometer _____ days Radiometric _____ days Induced polarization _____ days Other _____ days Section 77 (19) See "Mining Claims Assessed" column Geological _____ days Geochemical _____ days Man days <input type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input type="checkbox"/> Ground <input type="checkbox"/> <input type="checkbox"/> Credits have been reduced because of partial coverage of claims. <input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	\$990.00 SPENT ON ASSAYING SAMPLES TAKEN FROM MINING CLAIMS: L 565155 565231 571494 616422-23 643222 66 DAYS CREDIT ALLOWED WHICH MAY BE GROUPED IN ACCORDANCE WITH SECTION 77(19)

Special credits under section 77 (16) for the following mining claims

No credits have been allowed for the following mining claims

not sufficiently covered by the survey Insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical — 80; Geological — 40; Geochemical — 40; Section 77 (19)—60:

Recorded Holder	ONITAP RESOURCES INC
Township or Area	ASQUITH TOWNSHIP

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic _____ days Magnetometer _____ days Radiometric _____ days Induced polarization _____ days Other _____ days Section 77 (19) See "Mining Claims Assessed" column Geological _____ days Geochemical _____ 30 days Man days <input type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Credits have been reduced because of partial coverage of claims. <input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	L 616422-23 643222

Special credits under section 77 (16) for the following mining claims

No credits have been allowed for the following mining claims

not sufficiently covered by the survey Insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical — 80; Geological — 40; Geochemical — 40; Section 77 (19)—60:

May 9, 1986

Your File: 212
Our File: 2.7018

Mining Recorder
Ministry of Northern Development and Mines
4 Government Road East
Kirkland Lake, Ontario
P2N 1A2

Dear Madam:

RE: Notice of Intent dated August 30, 1984
Geochemical Survey on Mining Claims L 616422,
et al, in Asquith Township

The assessment work credits, as listed with the
above-mentioned Notice of Intent, have been approved
as of the above date.

Please inform the recorded holder of these mining
claims and so indicate on your records.

Yours sincerely,

J.C. Smith, Supervisor
Mining Lands Section

Whitney Block, 6th Floor
Queen's Park
Toronto, Ontario
M7A 1W3

Telephone: (416) 965-4888

SH/mc

cc: Onitap Resources Inc
Suite 208
4900 Sheppard Avenue East
Scarborough, Ontario
M1S 4A7

cc: Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario

Resident Geologist
Kirkland Lake, Ontario

Encl.

1984 09 10

Your File: 299
Our File: 2.7018

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

Dear Sir:

RE: Assaying submitted under Section 77(19)
of the Mining Act RSO 1980, on Mining
Claims L 507641 et al in the Townships
of Churchill and Asquith

The enclosed statement of assessment work credits
for assaying expenditures has been approved as of
the above date.

Please inform the recorded holder of these mining
claims and so indicate on your records.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: (416)965-4888

S. Hurst:mc

cc: Onitap Resources Inc
Suite 208
4900 Sheppard Avenue East
Scarborough, Ontario
M1S 4A7

cc: Resident Geologist
Kirkland Lake, Ontario

Encl.



Sept 14/84

1984 08 30

File: 2.7018
Your File: ~~269~~
212

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

Dear Sir:

Enclosed are two copies of a Notice of Intent with statements listing a reduced rate of assessment work credits to be allowed for a technical survey. Please forward one copy to the recorded holder of the claims and retain the other. In approximately fifteen days from the above date, a final letter of approval of these credits will be sent to you. On receipt of the approval letter, you may then change the work entries on the claim record sheets.

For further information, if required, please contact Mr. R.J. Pichette at 416/965-4888.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3

RW S. Hurst:mc

Encls.

cc: Onitap Resources Inc
Suite 208
4900 Sheppard Avenue East
Scarborough, Ontario
M1S 4A7

cc: Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario

845



Ministry of
Natural
Resources

Ontario

Notice of Intent
for Technical Reports

1984 08 30

2.7018/269

An examination of your survey report indicates that the requirements of The Ontario Mining Act have not been fully met to warrant maximum assessment work credits. This notice is merely a warning that you will not be allowed the number of assessment work days credits that you expected and also that in approximately 15 days from the above date, the mining recorder will be authorized to change the entries on his record sheets to agree with the enclosed statement. Please note that until such time as the recorder actually changes the entry on the record sheet, the status of the claim remains unchanged.

If you are of the opinion that these changes by the mining recorder will jeopardize your claims, you may during the next fifteen days apply to the Mining and Lands Commissioner for an extension of time. Abstracts should be sent with your application.

If the reduced rate of credits does not jeopardize the status of the claims then you need not seek relief from the Mining and Lands Commissioner and this Notice of Intent may be disregarded.

If your survey was submitted and assessed under the "Special Provision-Performance and Coverage" method and you are of the opinion that a re-appraisal under the "Man-days" method would result in the approval of a greater number of days credit per claim, you may, within the said fifteen day period, submit assessment work breakdowns listing the employees names, addresses and the dates and hours they worked. The new work breakdowns should be submitted direct to the Land Management Branch, Toronto. The report will be re-assessed and a new statement of credits based on actual days worked will be issued.

1984 08 13

Your File: 212, 250, 269
Our File: 2.7018

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 a Geophysical (Electromagnetic) and Geochemical Survey submitted under Special Provisions (credit for Performance and Coverage) and data for Assaying on Mining Claims L507641 et al in the Townships of Churchill and Asquith.

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

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: (416)965-6918

A. Barr:sc

cc: Onitap Resources Inc
Suite 208
4900 Sheppard Ave East
Scarborough, Ontario
M1S 4A7

cc: Peter Born
165 Frederick Street
Bradford, Ontario
L2Z 1K1



NAREX Ore Search Consultants Inc.

4900 Sheppard Avenue East, Suite 208, Scarborough
Ontario, Canada M1S 4A7 Tel. (416) 293-2990

August 1, 1984

Ref: 133

Ministry of Natural Resources
Land Management Branch
Room 6643
Whitney Block
Toronto Ontario
M7A 1W3

RECEIVED

AUG 02 1984

MINING LANDS SECTION

RECEIVED	
Land Management Branch	
CIRCULATE	<input type="checkbox"/>
COMMENTS PLEASE	<input type="checkbox"/>
BY	
AUG - 2 1984	
SEARCHED	<input type="checkbox"/>
INDEXED	<input type="checkbox"/>
SERIALIZED	<input checked="" type="checkbox"/>
FILED	<input type="checkbox"/>
AUG 2 1984	
RETURN TO 7. 6643	

Dear Sir,

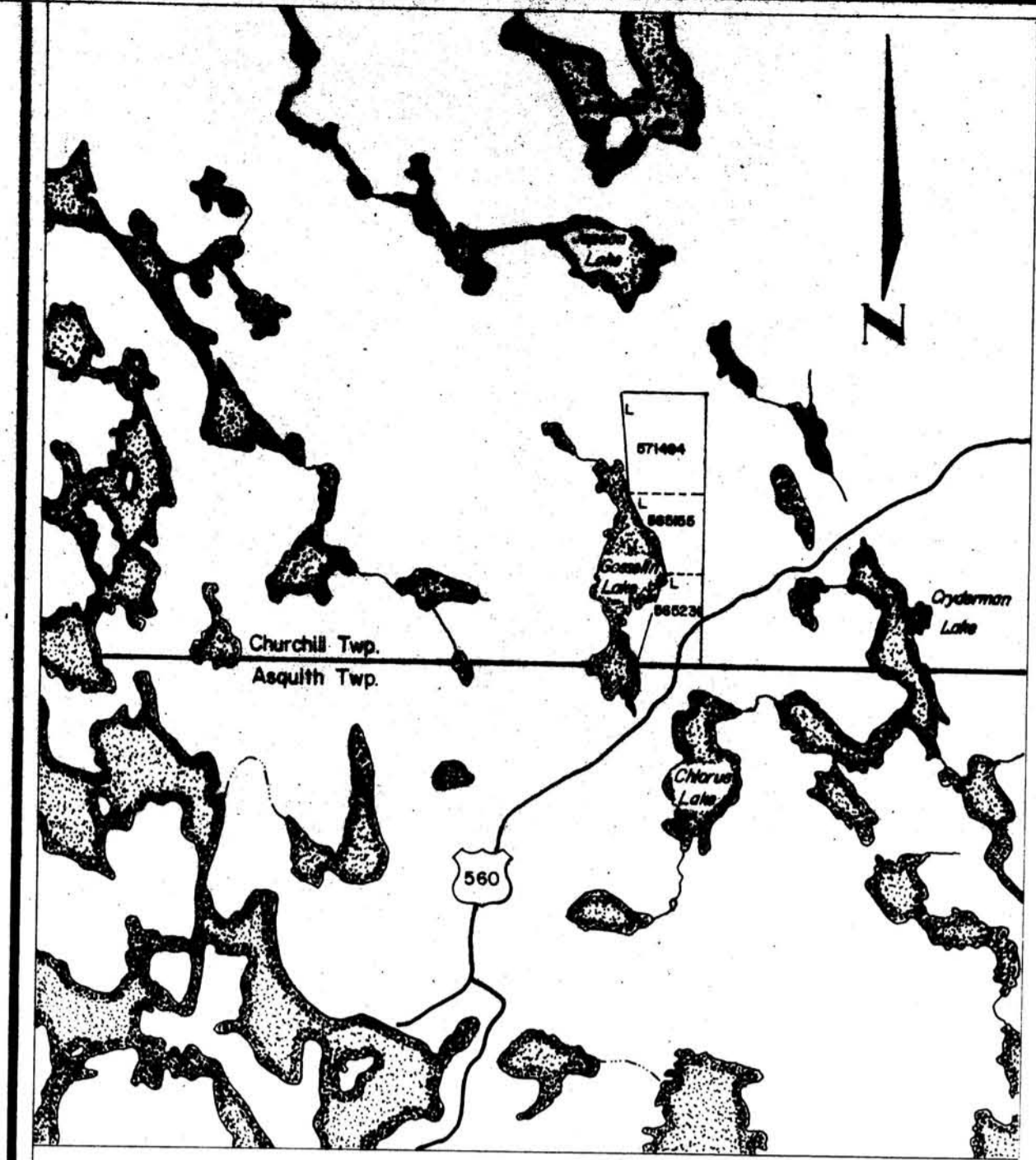
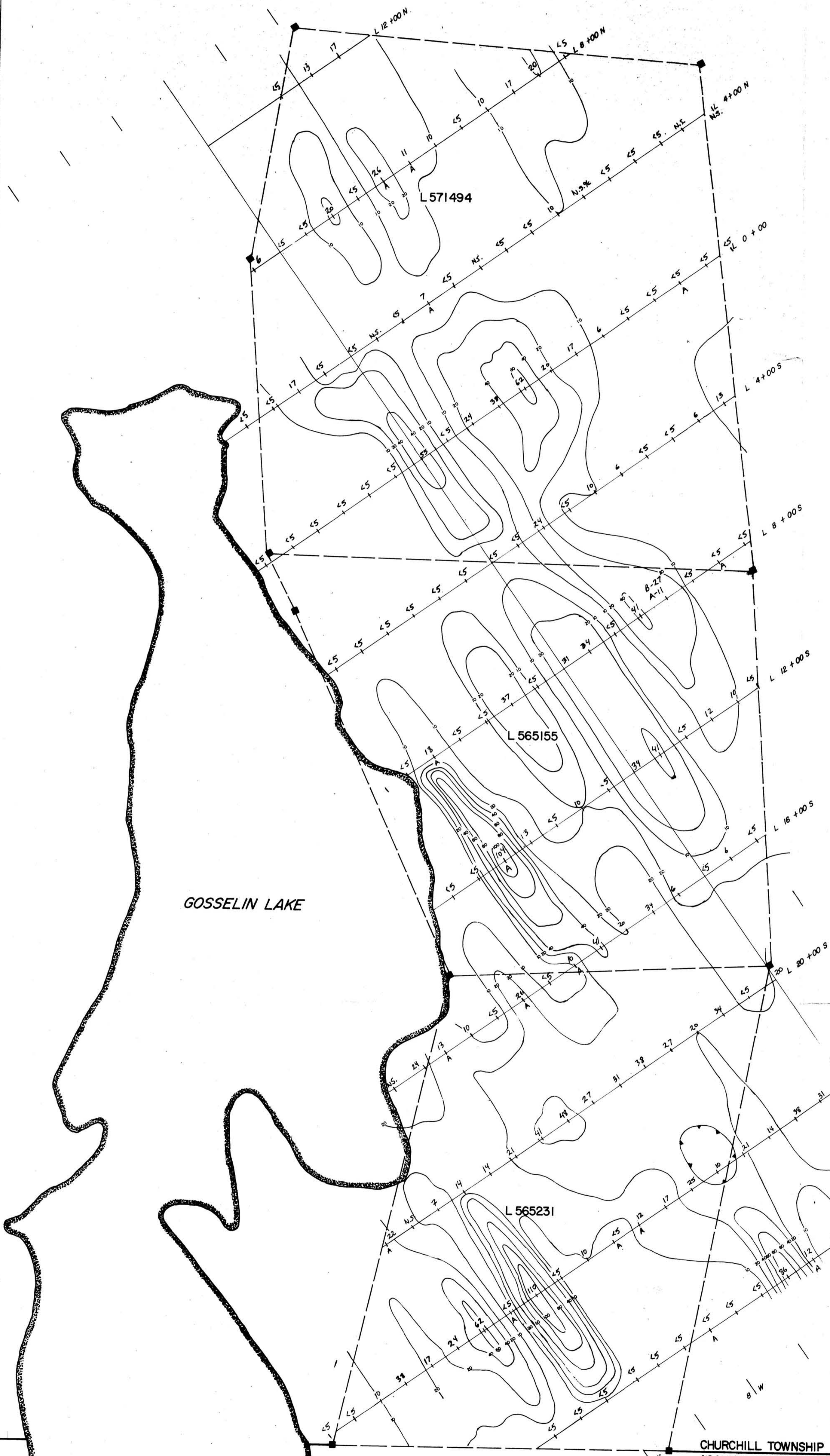
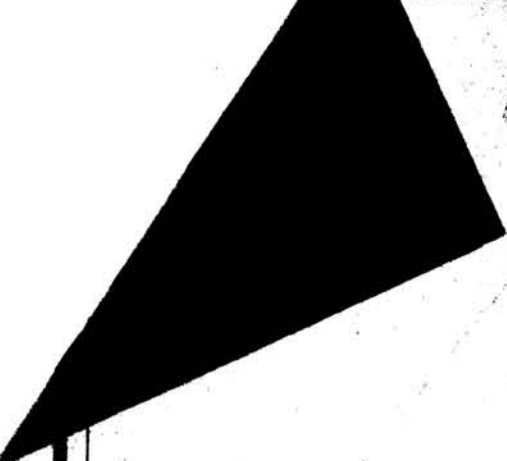
Please find enclosed the following items:

- 1) Maps and Report in duplicate of Geochemical Surveys claims L 565155 et al, Churchill and Asquith Twps. This also includes expenditure credits for these claims plus 5 days for claim L 507641.
- 2) Maps and Report in duplicate of VLF survey Asquith Twp. claims L 672862 et al.
- 3) 2 maps & location sketches in duplicate - airborne survey Onitap Resources Inc - Toronto reference 2-6912. This report has been filed but these maps show a new block of claims that was omitted in the original submission for which a work report has been filed. These are claims L 507854 et al - 20 days airborne EM credit for 8 of these claims. This survey was submitted to Land Management June 29/84.
- 4) Geochemical Surveys Molson Lake area submitted July 20/84. It seems that page 1 of the report is missing and I have included this page in duplicate.

Yours truly,

Peter Born

PB/cb
Encl.



LOCATION MAP

GOSSELIN LAKE

L 571494

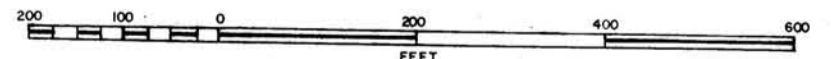
L 565155

L 565231

CHURCHILL TOWNSHIP
ASQUITH TOWNSHIP



27018



A = A horizon sample; all others are B horizon samples.
N.S. = no sample

ONITAP RESOURCES INC.

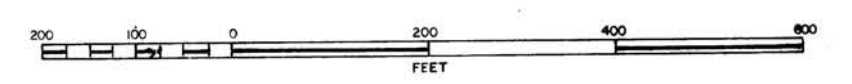
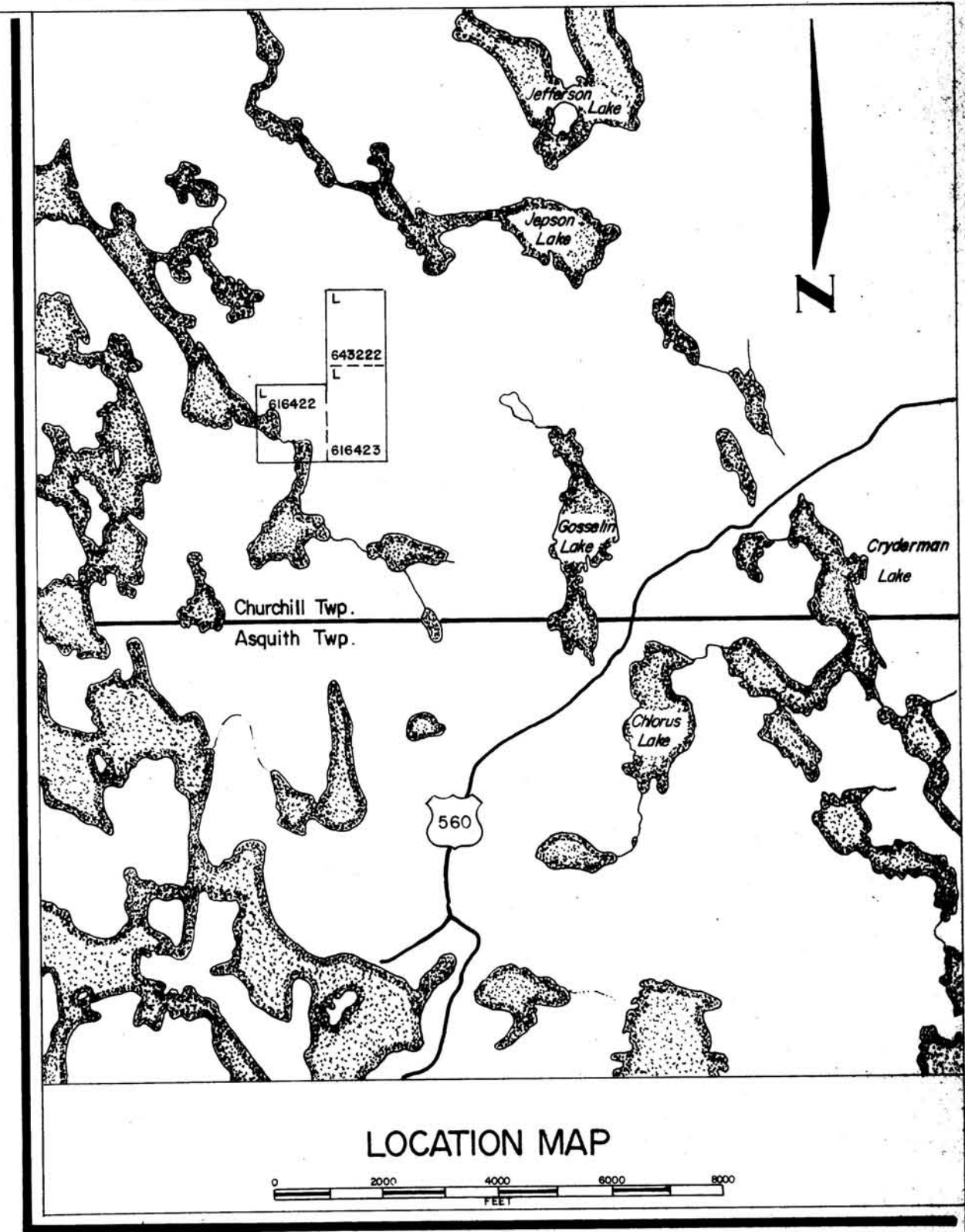
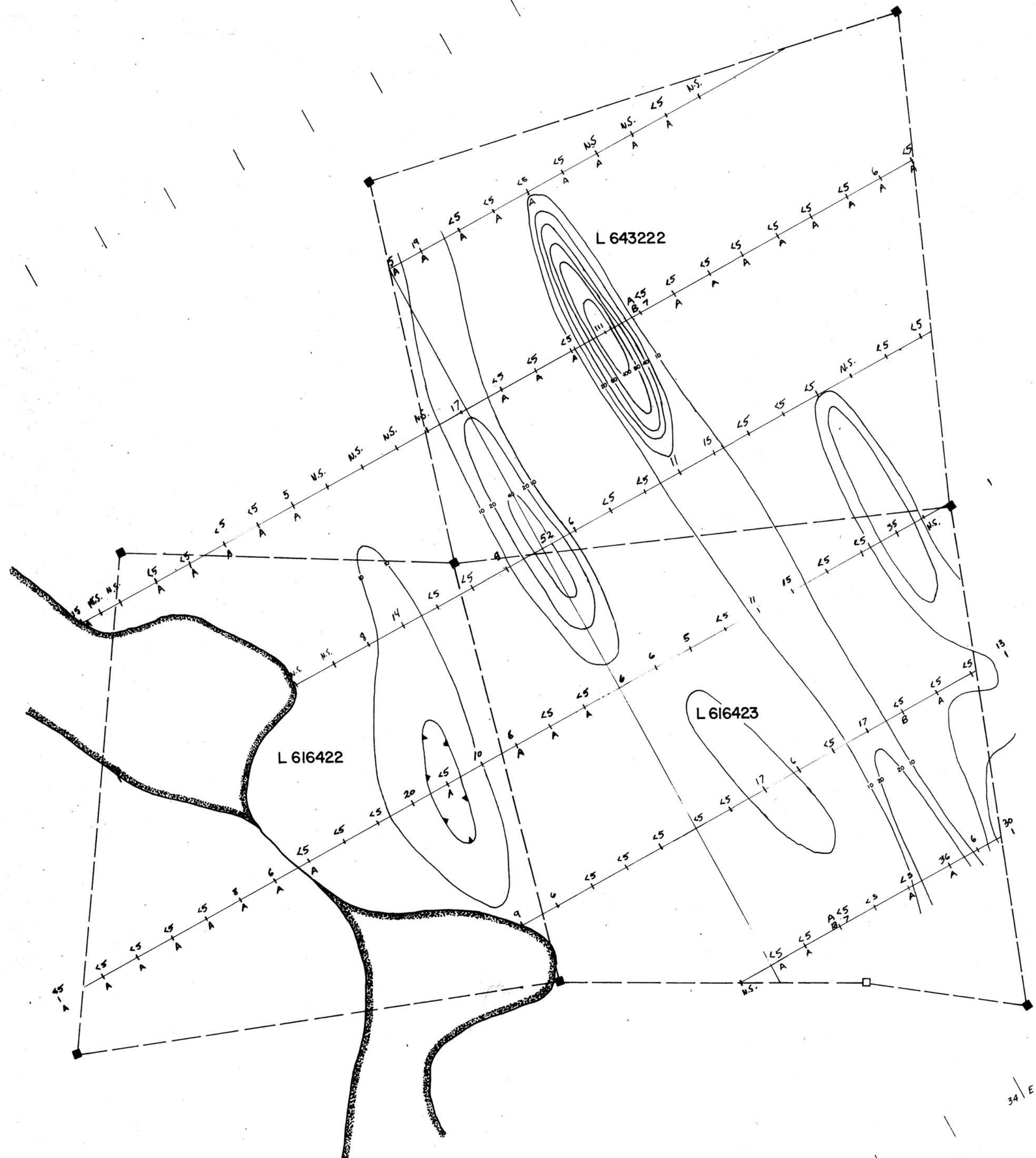
SHINING TREE AREA
CHURCHILL TWP., DISTRICT OF SUDBURY, ONTARIO
GOSSELIN GROUP

SOIL GEOCHEMICAL SURVEY
Au in p.p.b.

BLOCK N^o 2

WORK BY P. Bom	DATE July 1984	RETURNS	SCALE 1:2400 or 1" = 200'
DRAWN BY M.E.O.	DATE July 1984		
			2





A = A horizon sample ; all others are B horizon samples.
 N.S. = no sample.

27018

ONITAP RESOURCES INC.

SHINING TREE AREA
 CHURCHILL TWP., DISTRICT OF OSSEBURY, ONTARIO
 GOSSELIN GROUP
SOIL GEOCHEMICAL SURVEY
Au in p.p.b.

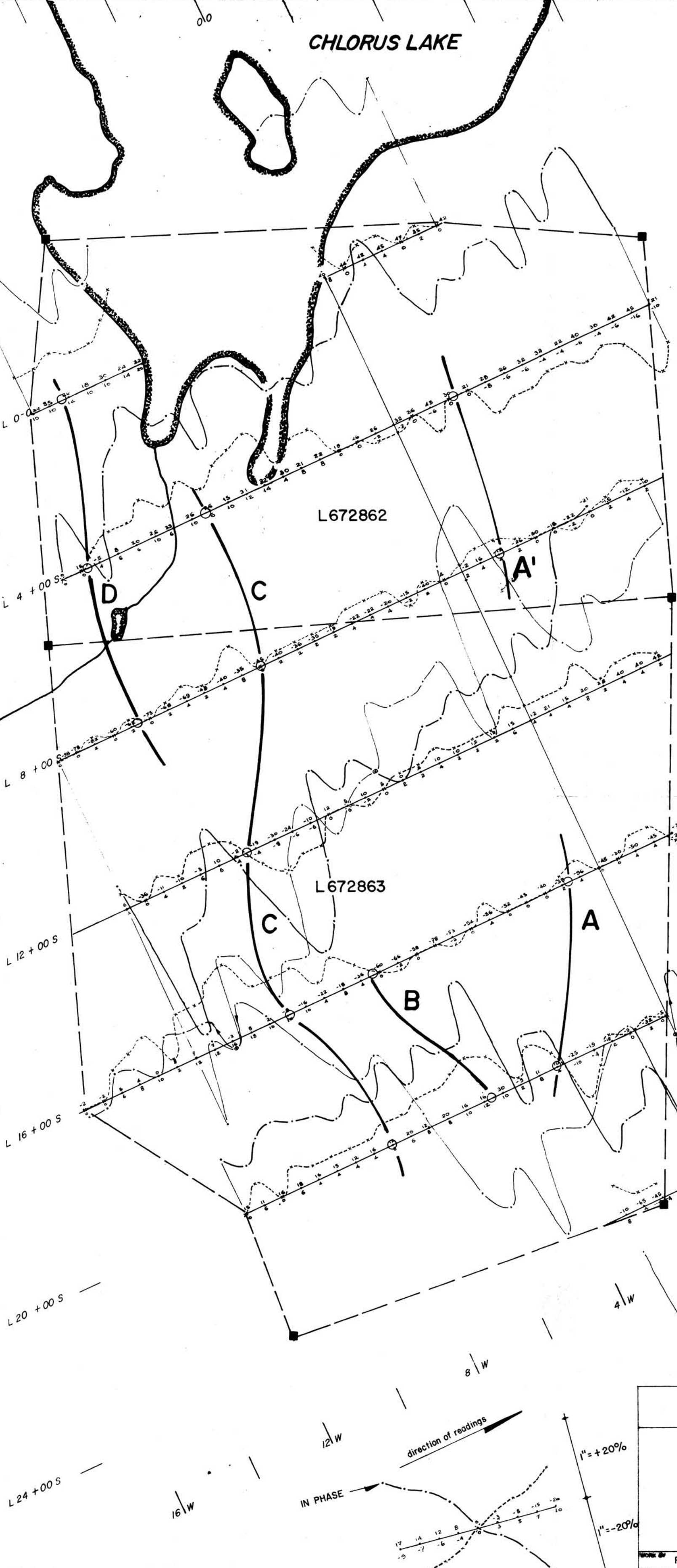
BLOCK # 1

WORK BY	P. Born	DATE	July 1984	INSTRUMENT		SCALE	1:2 400 or 1" = 200'
DRAWN BY	M.E.O.	DATE	July 1984			DRAWING NO.	1

NAREX Ore Search Consultants Inc.

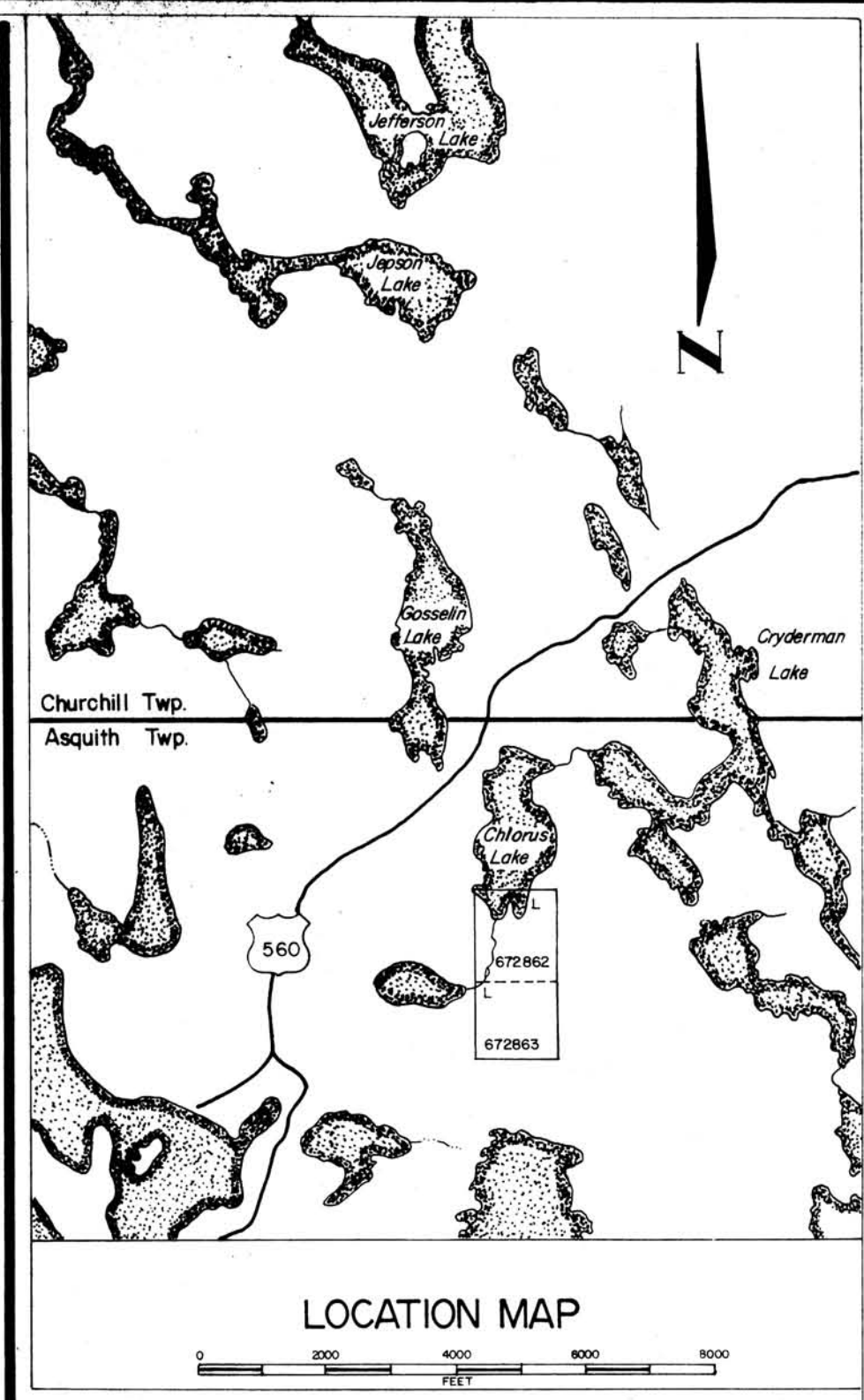


CHLORUS LAKE



L672862

L672863



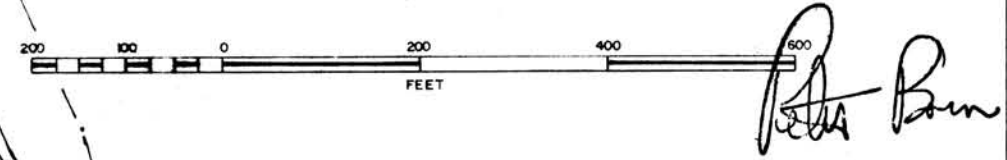
LOCATION MAP

0 2000 4000 6000 8000
FEET

STATION NAA 24.0 KHz.



E.M.16 conductor axis



27018

ONITAP RESOURCES INC.

SHINING TREE AREA
ASQUITH TOWNSHIP, DISTRICT OF SUDBURY, ONTARIO
GOSSELIN GROUP

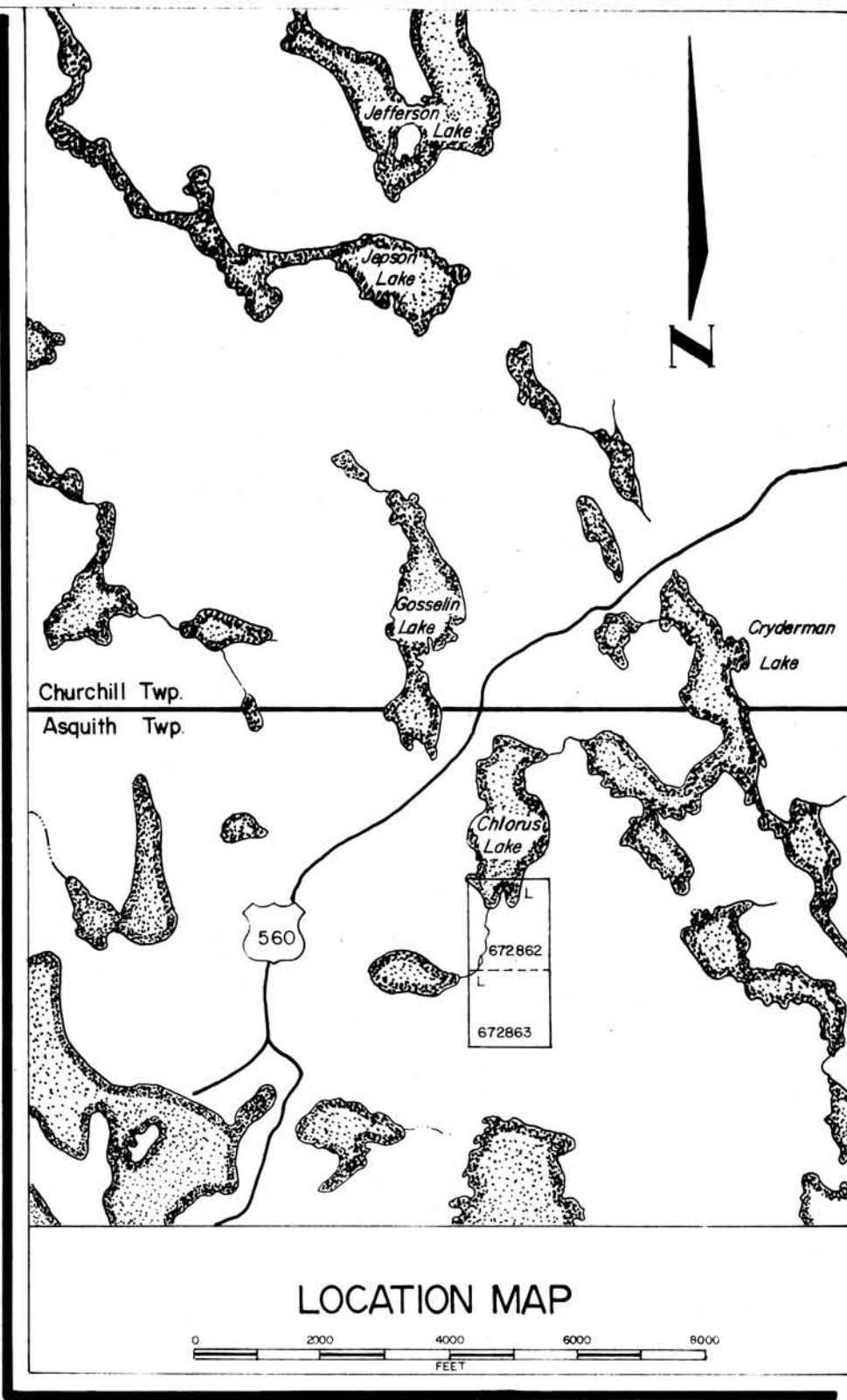
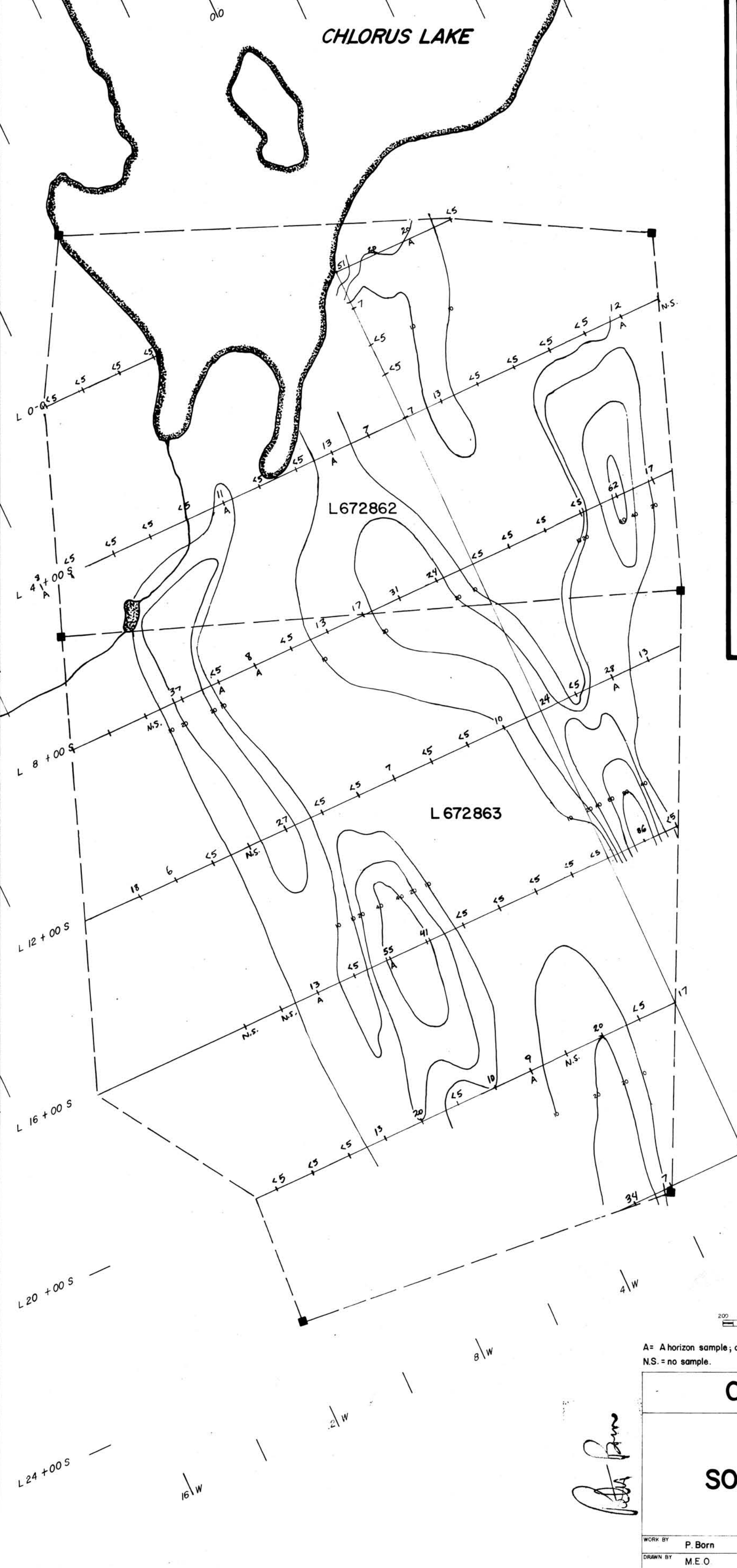
E.M.-16 SURVEY

WORK BY P. BORN	DATE July 1984.	INSTRUMENT E.M. 16 GEONICS	SCALE 1:2400 or 1" = 200'
DRAWN BY M.E.O.	DATE July 1984.		DRAWING NO.

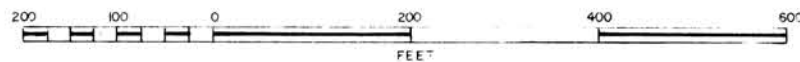
MAREX Ore Search Consultants Inc.



CHLORUS LAKE



LOCATION MAP



A = A horizon sample; all others are B horizon samples.
 N.S. = no sample.

ONITAP RESOURCES INC.

SHINING TREE AREA
 ASQUITH TOWNSHIP, DISTRICT OF SUDBURY, ONTARIO
 GOSELIN GROUP
SOIL GEOCHEMICAL SURVEY
Au in p.p.b.

BLOCK No 3

WORK BY P. Born	DATE July 1984	INSTRUMENT	SCALE 1:2400 or 1" = 200'
DRAWN BY M.E.O.	DATE July 1984		DRAWING No 3



NAREX Ore Search Consultants Inc.



2.7018

P. Born

REFERENCES

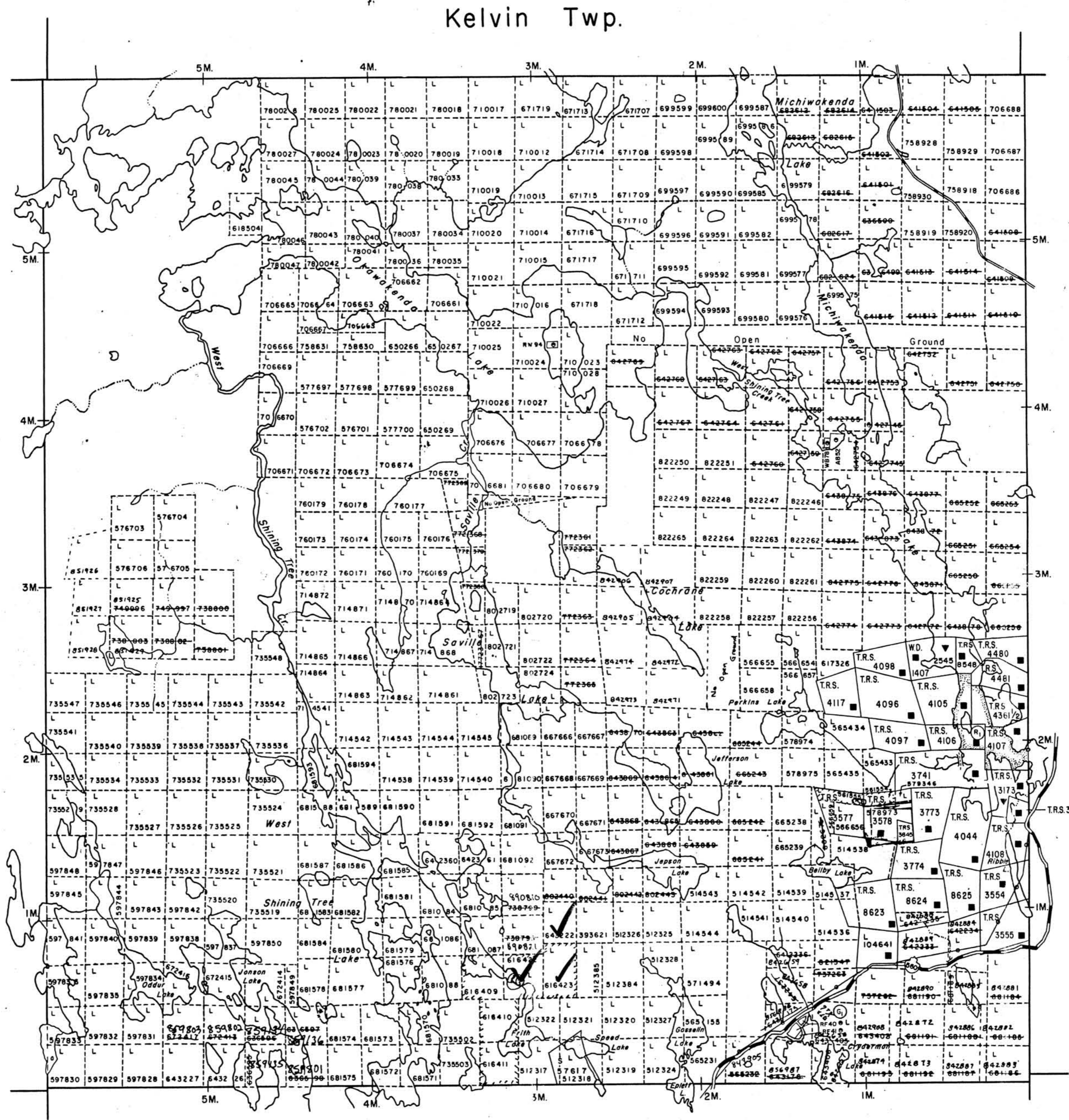
AREAS WITHDRAWN FROM DISPOSITION

- M.R.O. - MINING RIGHTS ONLY
- S.R.O. - SURFACE RIGHTS ONLY
- M.+S. - MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File
REC 36/80	W.107/82	21/1/82	M.R.O.	188517
Sec 36/80	W.9/80	24/01/80	M+S	
Sec 36/80	W.13/80	30/01/80	M+S	

M.T.C. PIT No. 1487

SAND AND GRAVEL



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	OC
RESERVATION	⊙
CANCELLED	⊖
SAND & GRAVEL	⊙

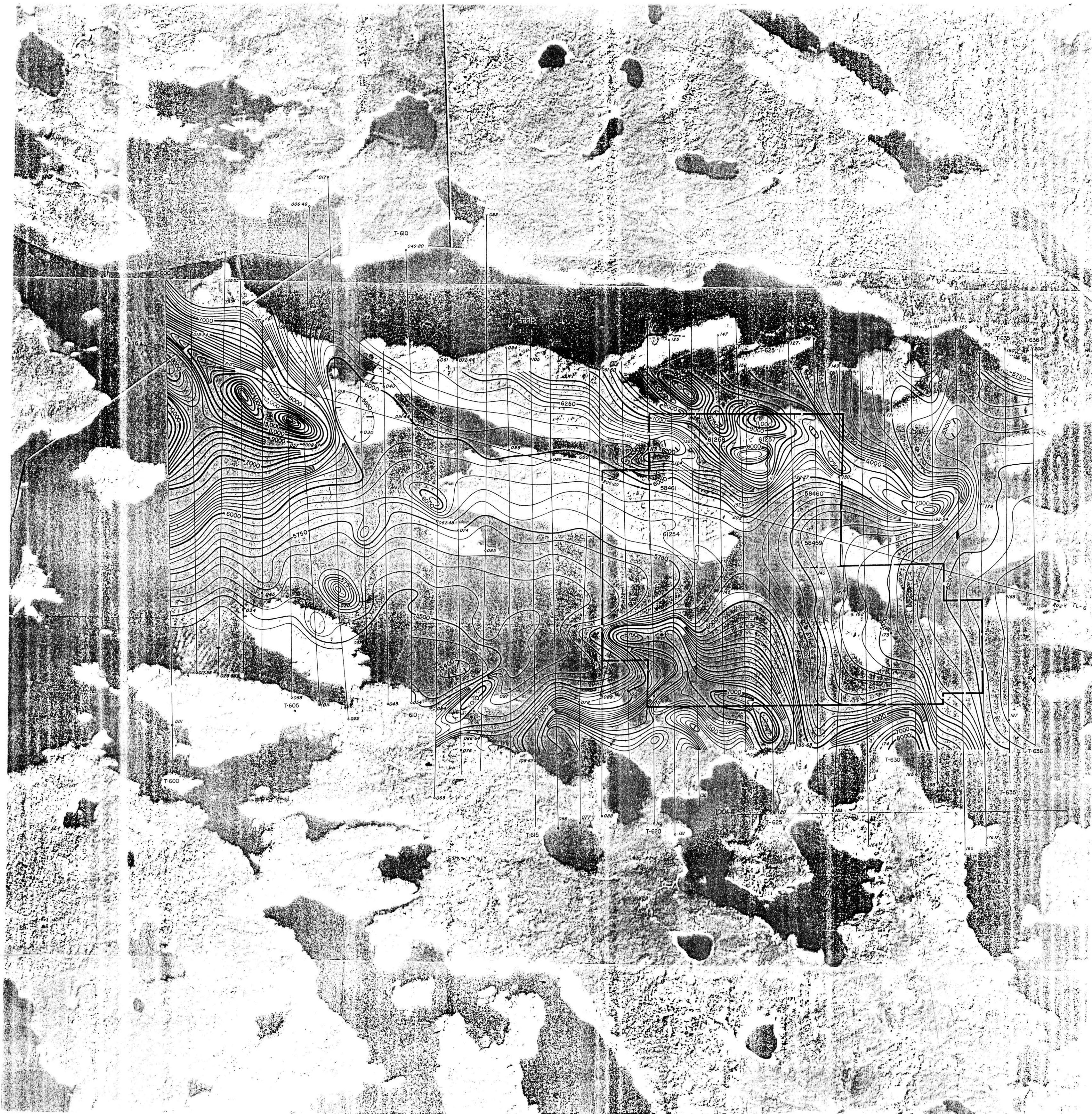
NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC 1.

SCALE: 1 INCH = 40 CHAINS

TOWNSHIP
CHURCHILL
 M.N.R. ADMINISTRATIVE DISTRICT
GOGAMA
 MINING DIVISION
LARDER LAKE
 LAND TITLES / REGISTRY DIVISION
SUDBURY

Date FEBRUARY, 1985
 APR 29 1986
 Number
G-3210





ONTARIO DEPARTMENT
 RECEIVED
 SEP 28 1970
 OFFICE OF THE
 RESIDENT GEOLOGIST



(APPROX)

AIRBORNE MAGNETOMETER SURVEY
 JOHNSON ISLAND AREA
 ONTARIO
 FALCONBRIDGE NICKEL MINES LIMITED
 SCALE 1 INCH TO 1320 FEET (APPROXIMATELY)

NOT TO BE REMOVED
 FROM THE OFFICE OF THE
 RESIDENT GEOLOGIST
 ONTARIO DEPARTMENT OF MINES

CONTOUR INTERVAL 50 GAMMA
 BASE INTENSITY ARBITRARY
 MEAN TERRAIN CLEARANCE 150 FEET
 TRAVERSE INTERVAL 1/8 MILE
 HORIZONTAL CONTROL BASED ON
 PHOTO LAYDOWN

CANADIAN AERO SERVICE LIMITED
 OTTAWA ONTARIO

W. M. ...