MICHAM EXPLORATION INC.
GEOCHEMISTRY REPORT
TERRACE BAY AREA
DISTRICT OF THUNDER BAY, ONTARIO
#4410

April 1, 1985
Timmins, Ontario

By: Mike Simunovic, B.Sc.
Per: David R. Bell
Geological Services Inc.

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0 SUMMARY

Micham Exploration Inc. holds a 96 claim group in the Terrace Bay area, District of Thunder Bay, Ontario.

During May and October of 1983 a soil sample survey was conducted on the property. As a result, two major zones of interest as well as other less significant anomalies were located. The most interesting was the anomaly associated with the Empress and West Siville-Ferrier Structures. It was approximately 8,800 feet in length and was anomalous in copper, zinc and gold.

A second zone of interest was located in the Mocan Valley Area. This zone was also anomalous in copper, zinc and gold but, it was not as extensive nor were the results as high. Several other minor zones were located and are covered in this report.

1.0 INTRODUCTION

From May 1 to May 20 and October 26 to 30, 1983 a soil sampling survey was conducted on the Terrace Bay area property of Micham Exploration Inc. The program was designed to outline and extend known zones of interest as well as to locate new targets for investigation.

The program was very successful in its aim and as a result further work was performed.

3.0 PROPERTY AND OWNERSHIP

The Micham Exploration Inc. property consists of a contiguous block of 96 mining claims in the Thunder Bay Mining District. All claims were staked and transferred to Micham in 1982 and are currently in good standing.

Claim TB459728 was a patented claim which became a part of the group in 1983 and is held through an option agreement.

Table 1 lists the claims and Figure 1 illustrates the claim block. (P. Dadson, 1983)

4.0 LOCATION AND ACCESS

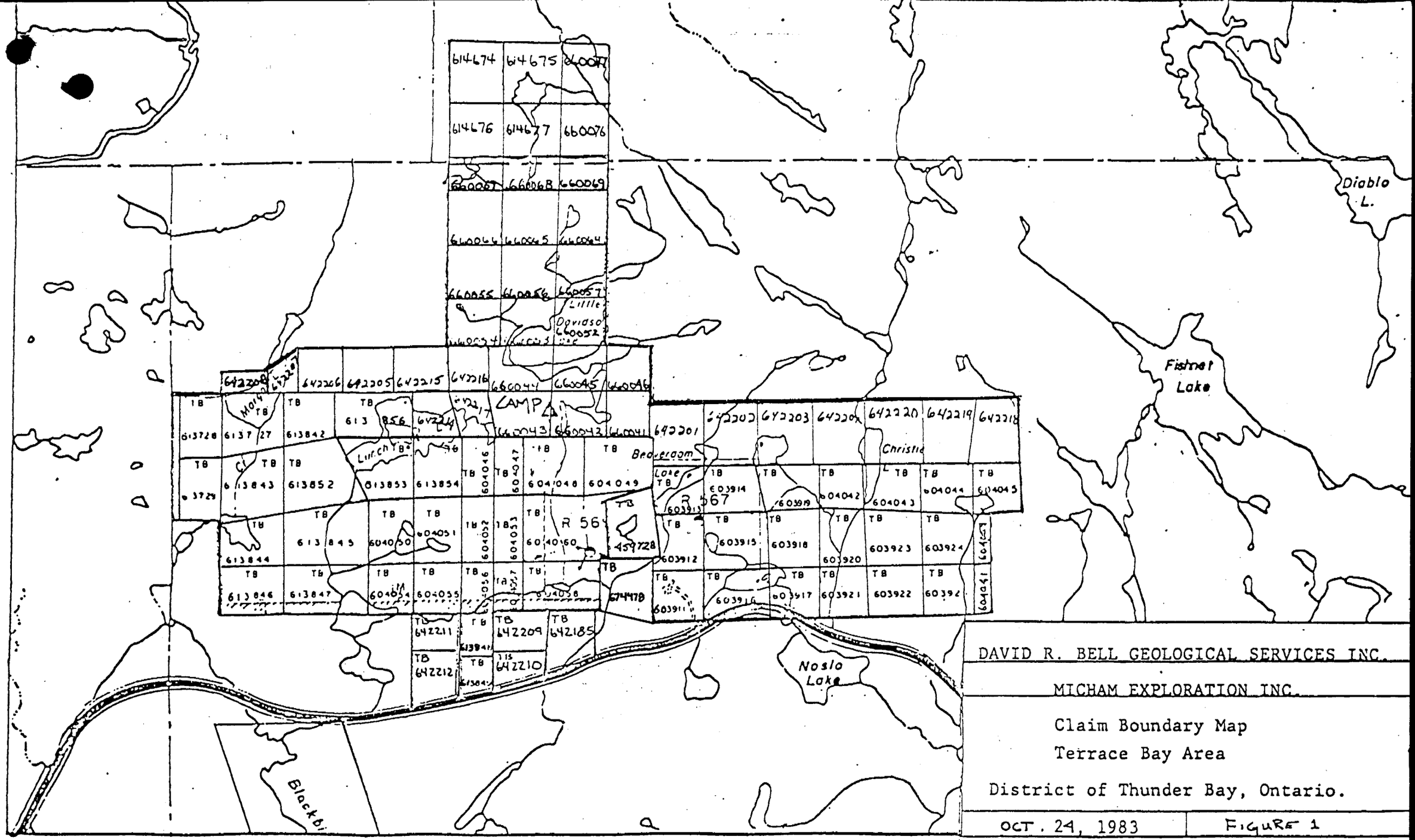
The Micham property is located 11 kilometers northeast of the Town of Terrace Bay and 800 kilometers northwest of Toronto (Figure 2). Lake Superior lies 6 kilometers due south (Figure 3).

The Trans Canada Highway cuts the southern most claims and provides easy access to those claims only. Bush roads continue to the old Empress Mine and to the eastern claims and can be utilized in good weather. The western and northern claims however are only accessible by foot or by helicopter.

Snow machine usage in winter would provide adequate access to all areas although travel would in part be hampered by rugged topography. (P. Dadson, 1983)

5.0 TOPOGRAPHY

Rolling hills cover a large majority of the property but were found to be broken by steep scarp slopes most notably in the vicinity of Margon Lake. In both the eastern and northern sections several high hills were noted with their elevations exceeding 1,500 feet above sea level. The intervening valleys were in general narrow but some were quite broad and alluvium filled. (P. Dadson, 1983)



DAVID R. BELL GEOLOGICAL SERVICES INC.

MICHAM EXPLORATION INC.

Claim Boundary Map

Terrace Bay Area

District of Thunder Bay, Ontario.

OCT. 24, 1983 | FIGURE 1

TABLE 1

MICHAM EXPLORATION INC. TERRACE BAY CLAIMS

Claim Number	Recording Date	Township
TB459728	Patent	Syine Township
TB603911	May 1, 1981	Syine Township
TB603912	May 1, 1981	Syine Township
TB603913	May 1, 1981	Syine Township
TB603914	May 1, 1981	Syine Township
TB603915	May 1, 1981	Syine Township
TB603916	May 1, 1981	Syine Township
TB603917	May 1, 1981	Syine Township
TB603918	May 1, 1981	Syine Township
TB603919	May 1, 1981	Syine Township
TB603920	May 1, 1981	Syine Township
TB603921	May 1, 1981	Syine Township
TB603922	May 1, 1981	Syine Township
TB603923	May 1, 1981	Syine Township
TB603924	May 1, 1981	Syine Township
TB603925	May 1, 1981	Syine Township
TB604041	May 20, 1981	Syine Township
TB604042	May 1, 1981	Syine Township
TB604043	May 1, 1981	Syine Township
TB604044	May 1, 1981	Syine Township
TB604045	May 1, 1981	Syine Township
TB604046	May 11, 1981	Syine Township
TB604047	May 11, 1981	Syine Township
TB604048	May 11, 1981	Syine Township
TB604049	May 11, 1981	Syine Township
TB604050	May 11, 1981	Syine Township
TB604051	May 11, 1981	Syine Township
TB604052	May 11, 1981	Syine Township

Table 1 cont'd

Claim Number	Recording Date	Township
TB604053	May 11, 1981	Syine Township
TB604054	May 11, 1981	Syine Township
TB604055	May 11, 1981	Syine Township
TB604056	May 11, 1981	Syine Township
TB604057	May 11, 1981	Syine Township
TB604058	May 11, 1981	Syine Township
TB604059	May 20, 1981	Syine Township
TB604060	May 25, 1981	Syine Township
TB613737	August 13, 1981	Syine Township
TB613728	September 11, 1981	Syine Township
TB613729	September 11, 1981	Syine Township
TB613842	August 13, 1981	Syine Township
TB613843	August 13, 1981	Syine Township
TB613844	September 11, 1981	Syine Township
TB613845	September 11, 1981	Syine Township
TB613846	September 11, 1981	Syine Township
TB613847	September 11, 1981	Syine Township
TB613848	September 11, 1981	Syine Township
TB613849	September 11, 1981	Syine Township
TB613852	August 13, 1981	Syine Township
TB613853	August 13, 1981	Syine Township
TB613854	August 13, 1981	Syine Township
TB613856	September 11, 1981	Syine Township
TB614674	November 6, 1981	Santoy Lake
TB614675	November 6, 1981	Santoy Lake
TB614676	November 6, 1981	Santoy Lake
TB614677	November 6, 1981	Santoy Lake
TB642185	April 16, 1982	Syine Township
TB642201	April 16, 1982	Syine Township
TB642202	April 16, 1982	Syine Township
TB642203	April 16, 1982	Syine Township
TB642204	April 16, 1982	Syine Township

Table 1 cont'd

Claim Number	Recording Date	Township
TB642205	April 16, 1982	Syine Township
TB642206	April 16, 1982	Syine Township
TB642207	April 16, 1982	Syine Township
TB642208	April 16, 1982	Syine Township
TB642209	April 16, 1982	Syine Township
TB642210	April 16, 1982	Syine Township
TB642211	April 16, 1982	Syine Township
TB642212	April 16, 1982	Syine Township
TB642214	April 16, 1982	Syine Township
TB642215	April 16, 1982	Syine Township
TB642216	April 16, 1982	Syine Township
TB642217	April 16, 1982	Syine Township
TB642218	April 16, 1982	Syine Township
TB642219	April 16, 1982	Syine Township
TB642220	April 16, 1982	Syine Township
TB660041	September 23, 1982	Syine Township
TB660042	September 23, 1982	Syine Township
TB660043	September 23, 1982	Syine Township
TB660044	September 23, 1982	Syine Township
TB660045	September 23, 1982	Syine Township
TB660046	September 23, 1982	Syine Township
TB660052	September 23, 1982	Syine Township
TB660053	September 23, 1982	Syine Township
TB660054	September 23, 1982	Syine Township
TB660055	September 23, 1982	Syine Township
TB660056	September 23, 1982	Syine Township
TB660057	September 23, 1982	Syine Township
TB660064	September 23, 1982	Syine Township
TB660065	September 23, 1982	Syine Township
TB660066	September 23, 1982	Syine Township
TB660067	September 23, 1982	Syine Township and Santoy Lake

Table 1 cont'd

Claim Number	Recording Date	Township
TB660068	September 23, 1982	Syine Township and Santoy Lake
TB660069	September 23, 1982	Syine Township and Santoy Lake
TB660076	September 23, 1982	Santoy Lake
TB660077	September 23, 1982	Santoy Lake
TB674478	November 26, 1982	Syine Township

DAVID R. BELL GEOLOGICAL SERVICES INC.

MICHAM EXPLORATION INC.

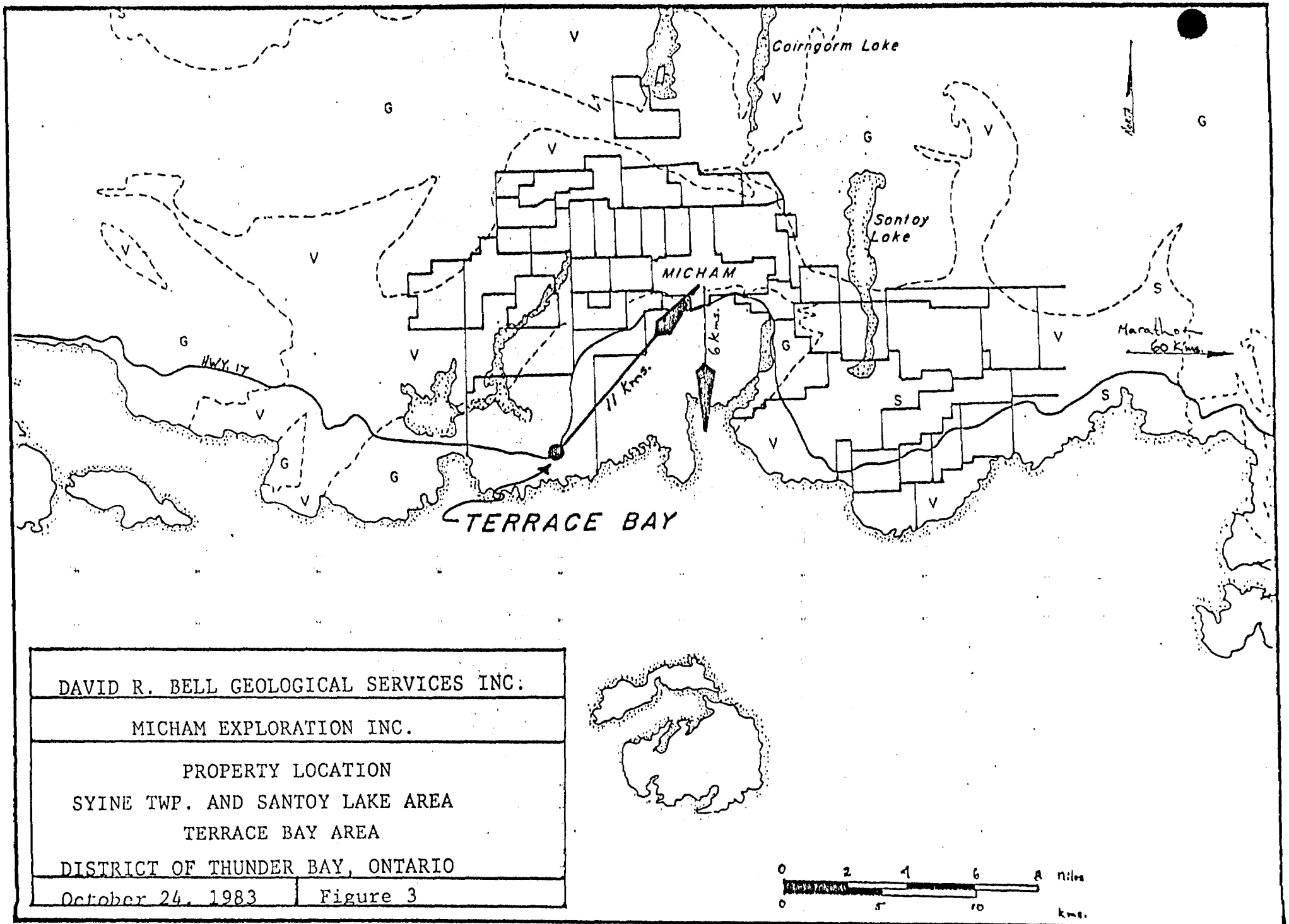
PROPERTY LOCATION

SYINE TWP. AND SANTOY LAKE AREA

TERRACE BAY AREA

DISTRICT OF THUNDER BAY, ONTARIO

October 24, 1983 | Figure 2



DAVID R. BELL GEOLOGICAL SERVICES INC.
MICHAM EXPLORATION INC.
PROPERTY LOCATION SYINE TWP. AND SANTOY LAKE AREA TERRACE BAY AREA DISTRICT OF THUNDER BAY, ONTARIO
October 24, 1983 | Figure 3

6.0 WATER

Numerous small creeks, some being intermittent combined with several large lakes occur throughout the property and would be sufficient for exploration purposes. The larger lakes could probably support a small mining operation. (P. Dadson, 1983)

7.0 CLIMATE

The area of the Micham property experiences a continental climatic pattern altered by the presence of Lake Superior. In general the winters are marked by low temperatures and abundant snowfall while the summers are noted for hot, humid weather. In all seasons the moderating effect of the lake brings periods of warmer temperatures, rain and inevitably low lying fog. (P. Dadson, 1983)

8.0 VEGETATION

A mixture of immature white birch, aspen and black spruce covers most of the claims. However low lying swampy areas had black spruce, alder and spraghum moss. (P. Dadson, 1983)

9.0 ANCILLARY SERVICES

All services and supplies would have to be obtained in Terrace Bay or Marathon 60 kilometers to the east. (P. Dadson, 1983)

10.0 PROPERTY HISTORY

10.1 Empress Mine

1895 Mineralization was found by an Indian and brought to the attention of the McKellar brothers in Fort William

- the brothers visited the property and sampled the vein
- an assay of $10.60 in gold and silver was obtained at $20.67 gold

1895-1897

- trenching and stripping was performed on the hill
- an assay office, 30 ton/day mill, boarding house, dressing room, machine shop, blacksmith shop, stables, grain shed, two power houses and a pump house were erected
- drifting and crosscutting was completed on some of the veins
- mine closes December 1896 and reopens January 1897 but closes again in July, 1897

1898-1899

- the mine reopens
- spring 1899 a winze is dug to reach the veins at a greater depth
- December 20, 1899 the mine was closed
- approximately 1,001 feet of drifting and tunnelling was done at this point

1899-1936

- sampling done by different individuals
- 1902 an average of $3.43 gold/ton at $20.67 gold was obtained from six trenches

- 1921 - Dr. A.P. Coleman got an average of 2.50 gold/ton from 4 samples ($20.67 Au)
- one was 4.00 Au
- concentrates yielded 6.00 gold/ton

1936
- a new company Empress Consolidated Gold Mines Ltd. is formed to take over the mine
- company begins a program of hydraulic stripping and diamond drilling
- sampling in "G" trench yielded $10.85 gold/ton over 24 feet (35.00 gold)
- a total of approximately 6 diamond drill holes were completed
- no assays were reported

1938
- mine was closed due to lack of ore

1983
- property optioned to Micham Exploration Inc which undertook linecutting, Mag, VLF-EM, IP, geological mapping and soil sampling surveys. Prospecting and rock sampling were also completed (P. Dadson, 1983)

10.2 Siville-Ferrier Syndicate Ltd.

1933
- Siville-Ferrier Syndicate Ltd. was incorporated in September to develop two property groups which it already held and to acquire further properties. The first or East group, was staked in June and consisted of eight claims numbered TB11060-67. In August, five more claims were added, TB11280-84, making a total area of 178 hectares (440 acres). Shortly afterwards, two more claims were added; a total of 13 claims. The second or West group lies immediately to the west of the old Empress. In July, six claims were staked by W.L. Boyde and J. Ferrier.

1934-1935 - Three more claims were added to the West group making a total of nine, numbered TB11093, 11296-8, 11303-4, 11902-4 and the four claims composing the third or north group which were staked by Willian Siville. One hundred and forty days work of unrecorded nature, were performed on the west group and 40 on the north group

1936 - On the West group, 3 parallel veins were uncovered for a length of about 122m (400 feet) and pit sinking was done.

1937 - All claims were transferred to S.J. Boyde, Secretary-treasurer and trustee for Siville-Ferrier Syndicate Limited.

1938 - Surface work traced the main shearing on the West group for 915m (3,000 feet) in which four veins, yielding favourable values, had been encountered. By the end of the year, diamond drilling had been planned.

1939 - Operations were suspended with plans to resume work in 1940.

1940 - Some unspecified surface work and diamond drilling were carried out on the West group. Results unknown.

1942 - The North group claims were cancelled.

varying from 2.75 m (9 ft) to 7.62 m (25 ft).

Grab samples taken as work proceeded from 4 pits along the veins, yielded the following values for gold:- (Price of gold in 1936 = $35.03 per ounce)

Imperial (oz/T)	Value (1936) (Can$)	Metric (g/tonne)
0.45	15.75	15.42
0.64	22.20	22.00
0.12	4.20	4.10
0.14	4.90	4.80
0.10	3.50	3.43
0.10	3.50	3.43
0.37	12.95	12.68
0.33	11.55	11.31
0.36	12.45	12.20
0.27	9.45	9.25
0.05	1.75	1.70
0.20	6.30	6.20
0.76	26.30	26.05
0.13	4.55	4.56
0.47	16.45	16.10
0.06	2.10	2.10
0.80	26.66	26.00
0.20	7.00	6.90
0.12	4.20	4.10
1.24	43.40	42.50
Average- 0.3455	Average- 12.10	Average- 11.80

On the East group, four dykes or veins were also discovered one of which is 45.7 m (150 ft) in length.

Grab samples taken gave the following results:-

Imperial (oz/T)	Value (1936) (Can$)	Metric (g/tonne)
0.154	5.40	5.30
0.3	10.40	10.20
0.03	1.00	1.02
0.04	1.40	1.4
0.3	10.40	10.2
0.54	19.00	18.6
0.063	2.20	2.2
0.57	20.00	19.6
0.05	1.60	1.6
0.13	4.60	4.5
2.5	85.60	84.0
Average- 0.43	Average- 14.69	Average- 14.42

The North group was not worked as extensively as the other two groups. The only figure available is an assay value of Can$ $131.95 (1936) 1,508 oz (118 g) in gold. (Assessment files, Resident Geologist's office, Thunder Bay). (Jackson, J., 1981)

1953 - The claims were cancelled, Siville-Ferrier Syndicate Ltd. having been idle since 1941.

1954 - Parts of the West group were restaked by E. McCowan, S. Downey and A. Spadoni. The claims were cancelled in 1955.

1974 - Three of the original West group claims and a half of another, were restaked as TB418677-80 by Lucien Lacasse and were cancelled in 1976.

1981 - Paul J. Skalesky staked the West group area. The claims are current.

1982-1983 - Micham Exploration Inc. performed Mag, VLF-EM, IP sampling and geological mapping (P. Dadson, 1983)

10.3 Ursa Major Mine

1896 - Two mining locations AL219 and A1220, (640 acres), were acquired by Jackfish Bay Syndicate Mining Company Ltd.

1898 - Work commenced in August with a labour force of between six and eight miners. A trench 72.9m (239 ft.) in length was dug through drift material down to bed-rock, across the ore body. A vertical shaft 1.22 x 2.75m (4 x 9 ft.) was sunk 16.16m (53 ft.). A new collar was constructed to a depth of 9.234m (27 ft.). In addition to the mine workings, cooking

and sleeping camps, a shaft-house, blacksmith shop, stable and assay office were built.

1900 - The shaft was sunk further to a depth of 35.7m (117 ft.) and timbered for a depth of 24.4m (80 ft.). The work force (miners) was enlarged to fourteen.

1901 - The main shaft was sunk to 37.06m (121½'). At a depth of 36.14m (118½ ft.), a cross-cut had been driven northwards for 27m (88½ ft.). Work in the shaft was then discontinued. The cross-cut was driven to cut a series of veins outcropping north of the shaft.
On the surface, 122m (400 ft.) northeast of the main shaft, a vein was stripped for 34.16m (112 ft.). Copper and pyrite were found to be present in considerable quantities, and also galena. Assay values of gold and silver were reported to be good. Open cutting was in progress. In the latter half of the year, work ceased.

1934 - Jackfish Bay Syndicate Mining Company Limited became defunct and the property was acquired by Valora Gold Exploration Company Limited.

1936 - Valora Gold Exploration Company Limited became inactive and in the mid-forties had no assets. The property was surrendered.

51 - William Siville restaked the property and completed 56 days work. The claims were cancelled late in 1954 and the area became known as the "Siville" property.

1956 - The property was restaked as TB76664 to 76677 by John Morris and TB76678 and 76679 by W.C. Arrowsmith, in January. On 16th of March, all interest was transferred to Monpre Uranium Exploration Limited.

1957 - On March 12th, Monpre Uranium Exploration Ltd., changed its name to Monpre Mining Company Ltd.

1958 - The claims were cancelled in February.

1960 - R.E. Lee restaked much of the property and W. Friesan staked a small part. The claims were cancelled in 1961.

1971 - Frank E. Merryth staked four claims, TB270251-4.

1973 - Early in the year a geophysical survey, consisting of an Electromagnetic survey and a magnetometer survey was performed over the four claim block. Ten anomalies meriting further exploration were delineated, but no further work was done. The claims were cancelled in December. In July, ten claims adjacent to those

staked by Frank E. Merryth, were staked by Denis de Serres and Claude Darveau. The claims were transferred to Hudson's Bay Exploration and Development Co. Ltd. in August and were cancelled in 1974.

1974 - John E. Halonen staked the old "Merryth" claims as TB550790, 550794, 550797-8. The claims were cancelled in 1976.

1980 - Pat Halonen staked one claim (TB386506) on the property in March. The claim was cancelled on June 10th, 1981.

1982-1983 - Micham Exploration Inc. undertook Mag, VLF-EM, IP, rock sampling and geological mapping. (P. Dadson, 1983)

10.4 Mocan Valley

1890 - First reference to gold in the Jackfish Bay area "Mocan Valley Gold Location" 5.6km north of Jackfish Bay
- assays here gave $22.00 gold/ton at $20.67 gold
- a test of 1,290 lbs of ore by the North-Western Reduction and Chemical Works, of Chicago gave $41.34 gold (Canadian Mining Review, 1890)
- no further information is available.

1981 - P. Skalesky staked the claims

82-1983 - Optioned to Micham Exploration Inc.
- Mag, VLF-EM, IP, sampling and geological mapping were performed.

11.0 REGIONAL GEOLOGY

The Micham property lies within an area underlain by an interlayered volcano-sedimentary sequence that has been folded, sheared and regionally metamorphosed by the intrusion of several granitic bodies. The interlayered nature of the succession is most notable in the southern portion of the belt while mafic and felsic volcanics predominate in the northern half.

Diorite, gabbro and hornblendite occur as intrusives within the mafic lavas and tuffs and probably represent feeder dykes and sills. The felsic rocks consist chiefly of agglomerates, tuffs and porphyries and volumetrically constitute a large proportion of the pile especially in the central portion of the belt.

Greywackes, slates and their metamorphic equivalents form a broad and continuous succession in the belt's southern portion. Cherts, and siliceous, graphitic schists occur throughout and generally form narrow beds or discontinuous lenses.

Granitic rocks consisting of granite, quartz-diorite, syenite and various hybrids and granitic gneisses form the large, batholithic intrusions which border the belt to the north, east and west. These in turn have been intruded by numerous north-south or northwesterly trending diabase dykes.

Table 2 outlines the general stratigraphy in the area and Figure 4 illustrates the general geology. (Walker, T.W.R., 1967)

TABLE 2

TABLE OF LITHOLOGICAL TYPES

PRECAMBRIAN

Late Precambrian

Keweenawan (?)

Diabase and lamprophyry dykes

intrusive contact

Early Precambrian

Granitic Rocks: granite, quartz diorite, syenite, granite gneiss, hybrid rocks.

intrusive contact-regional metamorphism, folding and shearing.

Basic Intrusives: gabbro-diorite, hornblendite, amphibolite.

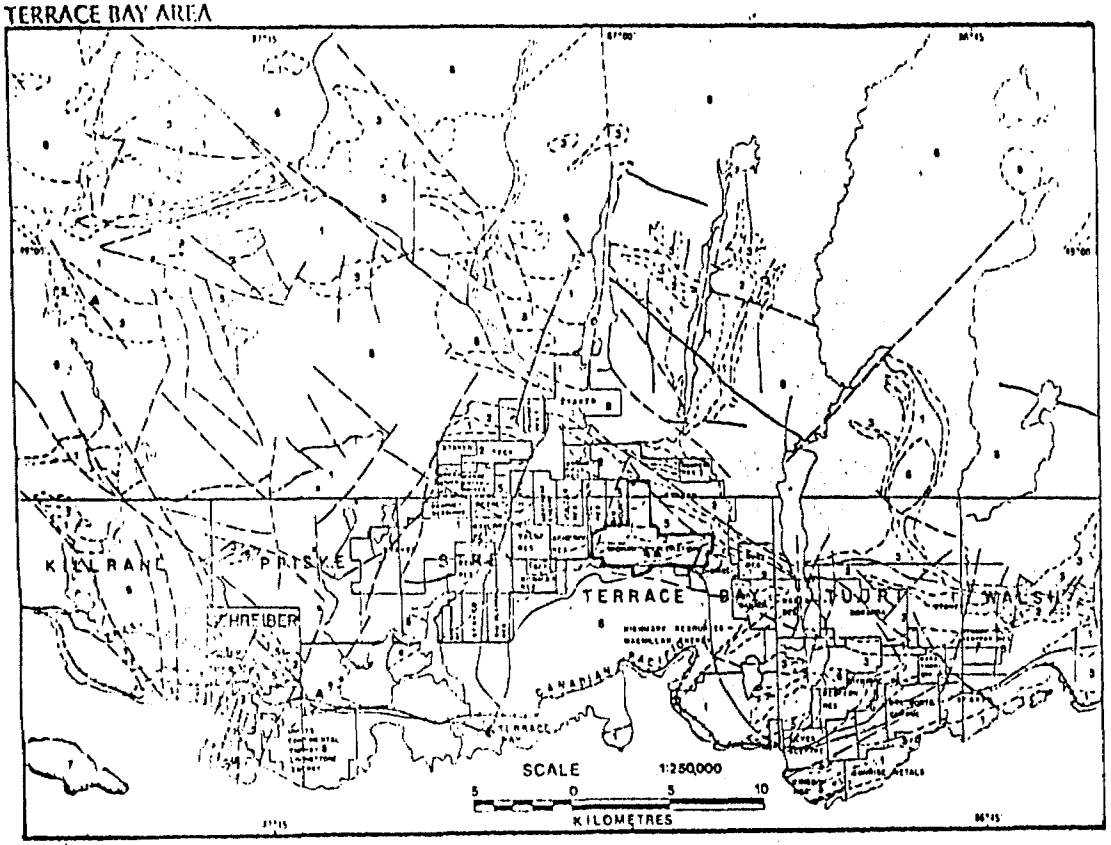
intrusive contact

Sedimentary Rocks: greywacke, slate, schists iron formation

Felsic Volcanic Rocks: porphyry, agglomerate, tuff, schists and gneisses.

Mafic Volcanic Rocks: pillow lavas, tuffs, schists and amphibolite.

TERRACE BAY AREA



LEGEND

LATE PRECAMBRIAN[1]

9 CARBONATITE - ALKALIC COMPLEXES
9a Amphibole Syenite
9b Nordmarkite
9c Syenodiorite
9d Lauvikite
9e Gabbro

8 Diabase dykes

7 Animikie and Osler Groups
Sedimentary and volcanic rocks

EARLY PRECAMBRIAN[1]

6 FELSIC INTRUSIVE ROCKS
6a Quartz Porphyry, Quartz Feldspar Porphyry
Monzonite - Granite
6b Syenite
6c Granodiorite - Monzonite
6d Trondhjemite - Granodiorite
6e Migmatites

5 MAFIC INTRUSIVE ROCKS[2]
Gabbro, Diorite, minor Peridotite

METAVOLCANICS AND METASEDIMENTS

4 Iron Formation

3 Metasedimentary rocks

2 Felsic to Intermediate Metavolcanic and Pyroclastic rocks

1 Intermediate to Mafic Metavolcanic and Pyroclastic rocks

Geology compiled from published maps of the Ontario Dept. of Mines and Ontario Geological Survey

1 Rocks in these groups are subdivided lithologically and the order does not necessarily imply age relationships within or among groups
2 May include some ultramafic and komatiitic metavolcanic flows

N

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MICHAM EXPLORATION INC.

REGIONAL GEOLOGY TERRACE BAY AREA
ONTARIO

October 24, 1983 | Figure 4

.0 PROPERTY GEOLOGY

The Micham claims lie within the north-western portion of a volcanosedimentary belt between two granitic intrusives. In general it is underlain by mafic to felsic volcanics with minor amounts of hybrid granite, diorite and chemical sediments. (P. Dadson, 1983) Metamorphism is of the greenschist facies with minor amphibolite grade along the contacts with the plutons. Some minor folding has taken place but on the whole, the property appears to be structural simple. Faulting has occurred in some areas.

13.0 SOIL SAMPLING PROGRAM

The soil sampling survey was conducted from May 1 - May 20, 1983 and October 26 - Oct. 30, 1983. It was designed to further define and extend known anomalous zones located by previous geological mapping and geophysics. In all approximately 1,521 soil samples were collected. In some areas it was not possible to get a sample.

Samples were collected at 100 foot intervals along lines spaced 400 feet apart. A grub-hoe was used and the B-Horizon of the soil profile was collected.

14.0 STATISTICAL ANALYSIS

The samples collected were analysed for their gold, silver, copper and zinc content. Silver values were relatively insignificant.

In order to eliminate bias and use contour intervals which were directly related to the results obtained, the mean and standard deviation were calculated from the results received for each element. From these values the background, threshold

d anomalous levels were determined and used as contour intervals. Background became mean plus one standard deviation; threshold, mean plus two standard deviations and anomalous, mean plus three standard deviations. Therefore, the background, threshold and anomalous values become 9, 13 and 17 ppb for gold; 0, 1 and 1 ppm for silver; 34, 52 and 70 ppm for copper and 49, 60 and 90 ppm for zinc. All of these results were plotted on 1"=400' scale maps.

As stated before silver values were very insignificant and for the most part consisted of one line spot anomalies. It was the gold, copper and zinc which proved to be of interest.

Two significant zones were outlined by the gold, copper and zinc results. The most prominent is the one which is associated with the Empress Structure and the West Siville-Ferrier showing. This was a north-east south-west striking anomaly which was approximately 8,800 feet in length. It extends from line L64W 20S to L24E 12N and was highly anomalous in all three elements. Gold values reached as high as 3,650 ppb, while copper and zinc reached 710 and 4,160 ppm respectively.

A second zone of interest was associated with the Mocan Valley structure. This was an east-west trending anomalous gold zone which extended from L116W 9N to L100W 15N. Values reached as high as 219 ppb gold. Highly anomalous copper and zinc values were received here as well but, interpretation was difficult. This was because, in this area, every second line was assayed for copper, zinc and silver but, judging from the data present it would appear that these results would form one continuous zone. These results reached as high as 870 ppm copper and 275 ppm zinc.

Just to the south-east of this zone was a copper anomaly which extends from line 100W to line 84W. This zone

hibits an east-west strike and copper values reached 890 ppm. Some slightly anomalous zinc values occurred here as well. Silver and gold were insignificant.

A much lesser zone of significance was located at the far northern reaches of the property, just south of the Ursa Major showing. Here, slightly anomalous values of the zinc and copper were attained. This zone had an east-west strike and extended from line 0 to line 8E at approximately 5N. Gold and silver values in this area were restricted to one line spot anomalies.

Two other minor anomalies of zinc and copper were located on the south-eastern portion of the property. One extended from L60E 12S to L72E 12S while the other was 1,200 feet in length from L12E 14S to line 24E 14S. In both cases the zinc values were much more extensive than the copper results. Copper was restricted to one or two line anomalies.

Due to the relatively thin layer of overburden and good outcrop exposure, it was thought that these anomalies were a true representation of the area and not due to transportation by ice. Although, to some extent the copper and zinc values may be directly related to rock type, since most of the underlying rocks are mafic in composition.

15.0 CONCLUSIONS

During the periods of May 1 to May 20 and October 26 to 30, 1983 a soil geochemistry program was performed on the Terrace Bay area property of Micham Exploration Inc. In all, two areas of major interest along with other less significant zones were outlined. Many of the results received from these zones were highly anomalous such as 3,650 ppb gold, 710 ppm copper and 570 ppm zinc. As a result of the values received, and the extent of the zones outlined, follow-up work is highly recommended.

Respectfully submitted,

Mike Simunovic

April 1, 1985
Timmins, Ontario

Mike Simunovic, B.Sc.

CERTIFICATE OF QUALIFICATIONS

I, Mike Simunovic hereby certify:

1. that I am a geologist employed by David R. Bell Geological Services Inc., Suite 4, 251 Third Ave., Timmins, Ontario

2. that I am a graduate of Lakehead University in Thunder Bay, holding a Bachelor of Science degree in Geology (1983)

3. that I do not have nor do I expect to receive either directly or indirectly, any interest in this property of Micham Exploration Inc.

April 1, 1985
Timmins, Ontario

Mike Simunovic, B.Sc.

Mike Simunovic

REFERENCES

Canadian Mining Review 1890	Canadian Mining Review 1890 P 114
Dadson, P. 1983	"Geological Report Micham Exploration Inc.", Terrace Bay Claims, Syine Township and Santoy Lake Area, District of Thunder Bay, Ontario, 1983
Jackson, Jane 1981	History Siville-Ferrier Holdings 1981
Walker, J.W.R. 1967	"Geology of the Jackfish-Middleton Area", District of Thunder Bay, Ontario, Department of Mines Geological Report 50, 1967

PERSONNEL

Glenn Coyne 527 Mountjoy St. S. Timmins, Ontario	May 1, 1983 - May 20, 1983 Oct. 26, 1983 - Oct. 30, 1983
Edwin Potter General Delivery Swastika, Ontario	May 1, 1983 - May 20, 1983 Oct. 26, 1983 - Oct. 30, 1983
Mike Simunovic c/o David R. Bell Geological Services Inc. P.O. Box 1250 Timmins, Ontario	March 28, 1983 - April 1, 1983

Ontario

Ministry of Natural Resources

File _____

GEOPHYSICAL – GEOLOGICAL – GEOCHEMICAL TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

4410

Type of Survey(s) Soil Geochemistry

Township or Area Syine Twp. and Santoy Lake Area

Claim Holder(s) Micham Exploration Inc.
c/o David R. Bell Geological Services

Survey Company David R. Bell Geol. Services Inc.

Author of Report Mike Simunovic

Address of Author c/o D.R. Bell, Box 1250, Timmins, Ont.

Covering Dates of Survey May 1-May 20/83 Oct 26-Oct 30/83
(line cutting to office)

Total Miles of Line Cut N/A

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	
	Geochemical	20

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

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

DATE: April 2, 1985 SIGNATURE: Mike Simunovic
Author of Report or Agent

Res. Geol. _____ Qualifications 2.1257

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVERSED
List numerically

(prefix) (number)

See attached list

If space insufficient, attach list

TOTAL CLAIMS 54

OF USE ONLY

837 (5/79)

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations _____ Number of Readings _____

Station interval _____ Line spacing _____

Profile scale _____

Contour interval _____

MAGNETIC

Instrument _____

Accuracy – Scale constant _____

Diurnal correction method _____

Base Station check-in interval (hours) _____

Base Station location and value _____

_____

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 _____

Method ☐ Time Domain ☐ Frequency Domain

Parameters – On time _____ Frequency _____

– Off time _____ Range _____

– Delay time _____

– Integration time _____

Power _____

Electrode array _____

Electrode spacing _____

Type of electrode _____

SELF POTENTIAL

Instrument _____ Range _____

Survey Method _____

_____

Corrections made _____

_____

RADIOMETRIC

Instrument _____

Values measured _____

Energy windows (levels) _____

Height of instrument _____ Background Count _____

Size of detector _____

Overburden _____

(type, depth – include outcrop map)

OTHERS (SEISMIC, DRILL WELL LOGGING ETC.)

Type of survey _____

Instrument _____

Accuracy _____

Parameters measured _____

_____

Additional information (for understanding results) _____

_____

_____

AIRBORNE SURVEYS

Type of survey(s) _____

Instrument(s) _____

(specify for each type of survey)

Accuracy _____

(specify for each type of survey)

Aircraft used _____

Sensor altitude _____

Navigation and flight path recovery method _____

_____

Aircraft altitude _____ Line Spacing _____

Miles flown over total area _____ Over claims only _____

GEOCHEMICAL SURVEY – PROCEDURE RECORD

Numbers of claims from which samples taken _____

_____

_____

Total Number of Samples _____

Type of Sample _____
(Nature of Material)

Average Sample Weight _____

Method of Collection _____

_____

Soil Horizon Sampled _____

Horizon Development _____

Sample Depth _____

Terrain _____

_____

Drainage Development _____

Estimated Range of Overburden Thickness _____

_____

_____

SAMPLE PREPARATION
(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis _____

_____

_____

_____

General _____

_____

_____

_____

_____

_____

_____

_____

_____

_____

ANALYTICAL METHODS

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

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

Others _____

Field Analysis (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Field Laboratory Analysis

No. (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Commercial Laboratory (_____ tests)

Name of Laboratory _____

Extraction Method _____

Analytical Method _____

Reagents Used _____

General _____

_____

_____

_____

_____

_____

_____

_____

_____

MICHAM EXPLORATION INC.

PROJECT #4410

LIST OF CLAIMS

TB603911
TB603912
TB603913
TB603914
TB603915
TB603916
TB603917
TB603918
TB603919
TB603920
TB603921
TB603922
TB603923
TB603924
TB603925
TB604042
TB604043
TB604044
TB604045
TB604046
TB604047
TB604048
TB604049
TB604051
TB604052
TB604053
TB604055
TB604056
TB604057
TB604058
TB604059
TB604060
TB613727
TB613729
TB613842
TB613843
TB613844
TB613845
TB613848
TB613852
TB613853
TB613854
TB613856
TB614675
TB614676
TB614677
TB642201
TB642204
TB642218
TB642219
TB642220
TB660076
TB660077
TB614674

W8509 - 19-P

LAND MANAGEM

#1148

Ministry of Natural Resources
Ontario

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

PAGE 1

42D15SW0115 2.7985 SYINE

900

The Mining Act

In the Expend. Days Cr. columns, – Do not use shaded areas below.

1/4 10 pg 1 of 2

Type of Survey(s): SOIL GEOCHEMISTRY	Township or Area: Syine Twp + Santoy Lake Area
Claim Holder(s): MICHAM EXPLORATION INC.	Prospector's Licence No.: T-1195
Address: 1030-609 Granville St., Vancouver, B.C. V7Y 1C6	
Survey Company: DAVID R. BELL GEOLOGICAL SERVICES INC.	Date of Survey (from & to): Day 26 Mo. 10 Yr. 83 — Day 30 Mo. 10 Yr. 83
Total Miles of line Cut: N/A.	
Name and Address of Author (of Geo-Technical report): Mike Simenovic c/o DAVID R. BELL GEOLOGICAL SERVICES INC. P.O. BOX 1250, TIMMINS, ONT P4N 7J5	

Credits Requested per Each Claim in Columns at right

Special Provisions		Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	Geophysical	
	- Electromagnetic	
	- Magnetometer	
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric	
	- Other	
	Geological	
	Geochemical	20

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

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

RECEIVED
APR 12 1985
MINING LANDS SECTION

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
TB	603911	
	603912	
	603913	
	603914	
	603915	
	603916	
	603917	
	603918	
	603919	
	603920	
	603921	
	603922	
	603923	
	603924	
	603925	
	604042	
	604043	
	604044	
	604045	
	604046	
	604047	
	604048	
	604049	

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
TB	604051	
	604052	
	604053	
	604055	
	604056	
	604057	
	604058	
	604059	
	604060	
	613727	
	613729	
	613842	
	613843	
	613844	
	613845	
	613848	
	613852	
	613853	
	613854	
	613856	
	614675	
	614676	
	614677	

Total number of mining claims covered by this report of work: 54

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditure Days Credits

Total Expenditures: $ ÷ 15 = Total Days Credits

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

For Office Use Only		
Total Days Cr. Recorded: 1080	Date Recorded: April 4/85.	Mining Recorder: Audrey M. Hayes
	Date Approved as Recorded: Re Revised Statement	Branch Director

Date	Recorded Holder or Agent (Signature)
Apr. 2, 1985	R A Bell

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: R.A. Bell c/o David R. Bell Geological Services Inc. P.O. Box 1250, Timmins, Ont P4N 7J5

Date Certified	Certified by (Signature)
Apr. 2, 1985	R A Bell

Ministry of Natural Resources
Ontario

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

The Mining Act

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.

4410 P83.292

Type of Survey(s): SOIL GEOCHEMISTRY

Township or Area: (P. 634) (C-612) Syine Twp & Swinton Lake Area

Claim Holder(s): MICHAM EXPLORATION INC

Prospector's Licence No.: T-1195

Address: 1030-609 Granville St., Vancouver, B.C. V7Y 1C6

Survey Company: DAVID R. BELL GEOLOGICAL SERVICES

Date of Survey (from & to): Day 26 Mo. 10 Yr. 94 — Day 20 Mo. 10 Yr. 94

Total Miles of line Cut: N/A.

Name and Address of Author (of Geo-Technical report): Mike Simonovic c/o DAVID R. BELL GEOLOGICAL SERVICES INC. P.O. BOX 1250, Timmins, Ont. P4N 7J5

Credits Requested per Each Claim in Columns at right

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

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
TB	642201	
	642204	
	642218	
	642219	
	642220	
	660076	
	660077	
	614674	

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.

Total number of mining claims covered by this report of work: 54

Expenditures (excludes power stripping)

Type of Work Performed:

Performed on Claim(s):

Calculation of Expenditure Days Credits

Total Expenditures: $ ÷ 15 = Total Days Credits

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

For Office Use Only		
Total Days Cr. Recorded	Date Recorded	Mining Recorder
	Date Approved as Recorded	Branch Director

Date	Recorded Holder or Agent (Signature)
Apr. 2, 1995	R. A. Bell

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: R. A. Bell c/o David R. Bell Geological Service Inc., P.O. Box 1250, Timmins, Ont. P4N 7J5

Date Certified	Certified by (Signature)
Apr. 2, 1995	R. A. Bell

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

File	
	2.7985
Date	Mining Recorder's Report of Work No.
1985 05 14	148

Recorded Holder
MICHAM EXPLORATION INC

Township or Area
SYINE TOWNSHIP AND SANTOY LAKE AREA

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 15 days	
Man days ☐ Airborne ☐	
Special provision ☒ Ground ☒	
☒ Credits have been reduced because of partial coverage of claims.	
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	

TB 603911 to 925 inclusive
604042 to 049 inclusive
604051 to 053 inclusive
604055 to 060 inclusive
613727-29
613842 to 845 inclusive
613848
613852 to 854 inclusive
613856
614675 to 677 inclusive
642201-04-18-19-20
660076-77
614674

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.

DAVID R. BELL GEOLOGICAL SERVICES INC.

251 THIRD AVE., SUITE 4
BOX 1250
TIMMINS, ONTARIO
P4N 7J5
(705) 264-4286
TELEX - 067-81638

REGISTERED

April 9, 1985

Mr. Fred Mathews
Lands Administration Branch
Mining Lands Section
Ministry of Natural Resources
Room 1617, Whitney Block
Queen's Park
Toronto, Ontario
M7A 1W3

Dear Mr. Mathews:

Re: Geochemical Survey Report for Micham Exploration Inc., Terrace Bay Area

I have enclosed two (2) copies of the above report including maps as per Ministry of Natural Resources requirements, for 20 days of assessment credits for those claims on the attached list. Would you please acknowledge receipt of said reports.

Yours truly,

Mike Simunovic

Mike Simunovic
Geologist

MS/kg

Encl.

File - 4410 - Geochem. reports, corresp.
claims

Ministry of
Natural
Resources

Ontario

May 29/85

1985 05 14

Your File: 148
Our File: 2.7985

Mining Recorder
Ministry of Natural Resources
P.O. Box 5000
Thunder Bay, Ontario
P7C 5G6

Dear Madam:

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

RJP S. Hurst:mc

Encls.

cc: Micham Exploration Inc
Suite 1030
609 Granville Street
Vancouver, B.C.
V7Y 1C6

cc: R.A.Bell
c/o David R. Bell Geological Services Inc
P.O. Box 1250
Timmins, Ontario
P4N 7J5

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

845

Ministry of Natural Resources

Ontario

Notice of Intent

for Technical Reports

1985 05 14

2.7985/148

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.

Mining Lands Section

File No 2.7985

Control Sheet

TYPE OF SURVEY

____ GEOPHYSICAL

____ GEOLOGICAL

✓ GEOCHEMICAL

____ EXPENDITURE

MINING LANDS COMMENTS:

lgd

LD

J. Hurst

Signature of Assessor

85-05-01

Date

1985 06 04

Your File: 148
Our File: 2.7985

Mining Recorder
Ministry of Natural Resources
P.O. Box 5000
Thunder Bay, Ontario
P7C 5G6

Dear Madam:

RE: Notice of Intent dated May 14, 1985
Geochemical Survey on Mining Claims
TB 603911, et al, in Syine Township
and in Santoy Lake Area

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,

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: Micham Exploration Inc
Vancouver, B.C.
cc: R.A. Bell
c/o David R. Bell Geological Services Inc
Timmins, Ontario

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

cc: Resident Geologist
Thunder Bay, Ontario

Encl.

April 24, 1985 File: 2.7985

Micham Exploration Inc
Suite 1030
609 Granville Street
Vancouver, B.C.
V7Y 1C6

Dear Sir:

RE: Geochemical Survey on Mining Claims
TB 603911, et al, in Syine Township
and the Area of Santoy Lake

Examination of your geochemical reports and maps covering the above-mentioned mining claims, reveals that assessment of your requested credits may not be considered using the Special Provisions method. This is due to the lack of substantial and systematic coverage of each claim in your survey.

Credits will be allowed, however, under the Man-day method provided you complete and return the enclosed Man-day breakdown form.

When returning the above, please quote file 2.7985.

For further information, please contact Susan Hurst aty(416)965-4888.

Yours sincerely,

85-05-07
Angela Bell called & said to
Assess as is.
S.

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: Mining Recorder
Thunder Bay, Ontario
Encl.

cc: R.A. Bell
c/o David R. Bell
Geological Services Inc
P.O. Box 1250
Timmins, Ontario
P4N 7J5

2-7985

603911	✓			604051	1/2						
12	✓			52	1/4			642201	3/4		
13	1/2			53	1/4			04	1/2		
14	1/4			55	1/2			642218	✓		
15	1/4			56	1/4			19	1/4		
16	1/4			57	1/4			20	1/2		
17	1/4			58	✓			660076	3/4		
18	1/4			59	1/4			77	3/4		
19	✓			60	✓			614674	1/4		
20	1/4			613727	1/2						
21	1/4			29	1/2						
22	1/4			613842	1/2						
23	1/4			43	✓			459728			
24	1/4			44	3/4						
25	1/4			45	3/4						
604042	1/4			48	3/4			18 1/2 NC			
43	1/4			613852	✓			54			
44	1/4			53	1/4			72.5			
45	1/2			54	3/4						
46	1/2			56	3/4						
47	1/2			614675	3/4						
48	3/4			76	✓						
49	1/2			77	1/2						

20×54 = 1080

1080 ÷ 72.5 = 14.89

≈ 15

LOWER AQUASABON LAKE AREA

LITTLE DAVIDSON LAKE

LUNCH LAKE

TB GG0077 TB GG0076 TB GG0069 TB GG0067 TB GG0068 TB GG0066 TB GG0065 TB GG0064 TB GG0055 TB GG0056 TB GG0057 TB GG0054 TB GG0052 TB GG0053 TB GG0044 TB GG0045 TB GG0046 TB GG0043 TB GG0042 TB GG0041 TB G14077 TB G14076 TB G14075 TB G14074 TB G14070 TB G42208 TB G42207 TB G42206 TB G42205 TB G42215 TB G42216 TB G42217 TB G42214 TB G42211 TB G42212 TB G42209 TB G42210 TB G13729 TB G13843 TB G13844 TB G13845 TB G13846 TB G13847 TB G13852 TB G13853 TB G13854 TB G13849 TB G13848 TB G13727 TB G13812 TB G13850 TB G04046 TB G04047 TB G04048 TB G04049 TB G04050 TB G04051 TB G04052 TB G04053 TB G04054 TB G04055 TB G04056 TB G04057 TB G04058 TB G04060 TB G74478

24 + 00 N — 20 + 00 N — 16 + 00 N — 12 + 00 N — 8 + 00 N — 4 + 00 N — 00 BL

28 + 00 N — 24 + 00 N — 20 + 00 N — 18 + 00 N — 12 + 00 N — 8 + 00 N — 4 + 00 N — 00 BL — 4 + 00 S — 8 + 00 S — 12 + 00 S — 16 + 00 S — 20 + 00 S — 24 + 00 S — 28 + 00 S — 32 + 00 S — 36 + 00 S — 40 + 00 S

L 8 W L 4 W L 0 L 4 E L 8 E L 12 E

L 116 W L 112 W L 108 W L 104 W L 100 W L 96 W L 92 W L 88 W L 84 W L 80 W L 76 W L 72 W L 68 W L 64 W L 60 W L 56 W L 52 W L 48 W L 44 W L 40 W L 36 W L 32 W L 28 W L 26 W L 24 W L 22 W L 20 W L 18 W L 16 W L 14 W L 12 W L 10 W L 8 W

200

LOWER AJUMABON LAKE AREA

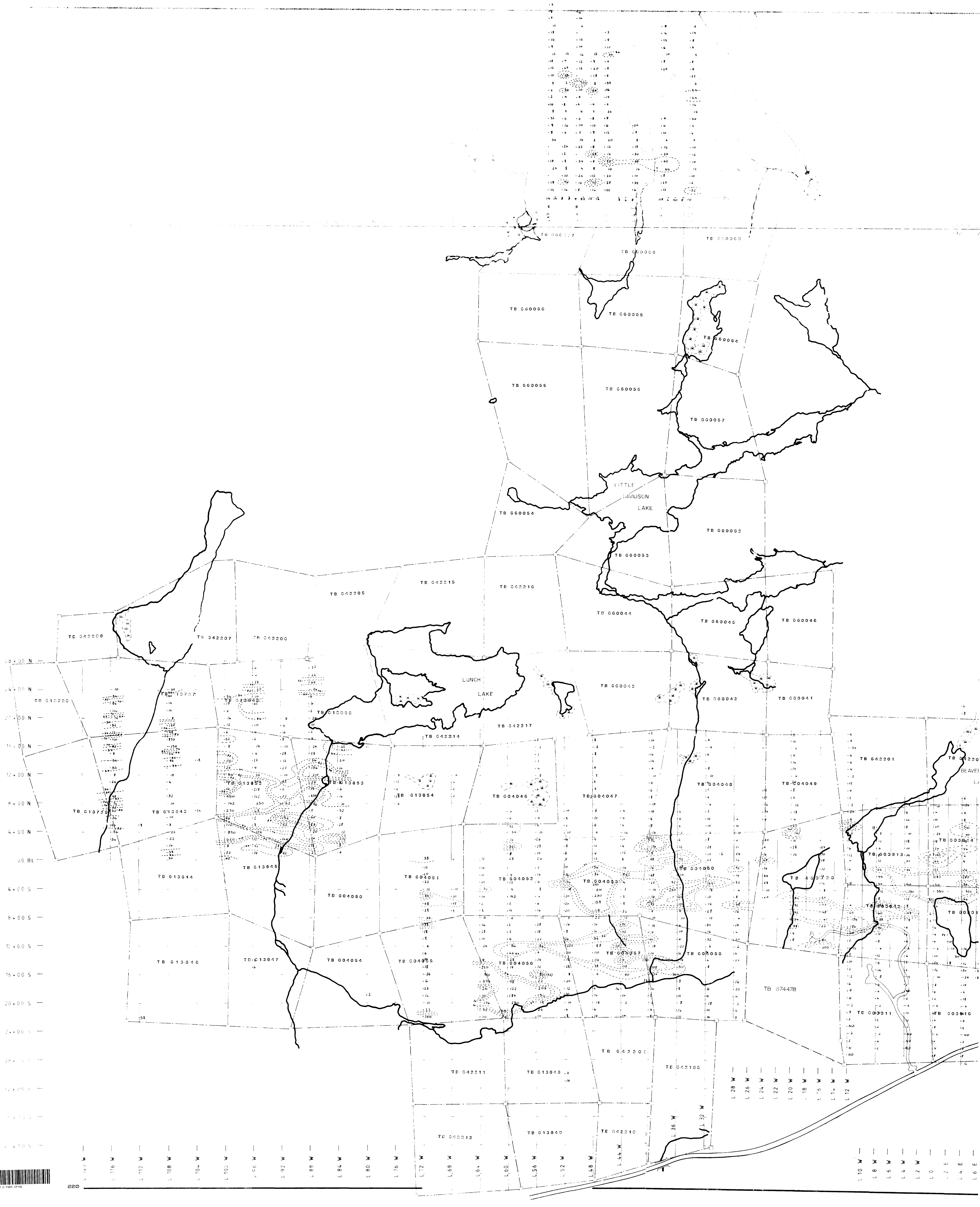
LITTLE DAVIDSON LAKE

LUNCH LAKE

TB 674478

24 + 00 N
20 + 00 N
16 + 00 N
12 + 00 N
8 + 00 N
4 + 00 N
00 BL
4 + 00 S
8 + 00 S
12 + 00 S
16 + 00 S
20 + 00 S
24 + 00 S
28 + 00 S
32 + 00 S
36 + 00 S
40 + 00 S

L 112 W
L 108 W
L 104 W
L 100 W
L 96 W
L 92 W
L 88 W
L 84 W
L 80 W
L 76 W
L 72 W
L 68 W
L 64 W
L 60 W
L 56 W
L 52 W
L 48 W
L 44 W
L 40 W
L 36 W
L 32 W
L 28 W
L 26 W
L 24 W
L 22 W
L 20 W
L 18 W
L 16 W
L 14 W
L 12 W
L 10 W
L 8 W
L 8 E
L 4 E
L 0
L 4 W
L 8 W
L 12 E



42D15SW0115 2.7985 SYINE

220

LOWER ALABAMA LAKE AREA

24 + 00 N

20 + 00 N

16 + 00 N

12 + 00 N

8 + 00 N

4 + 00 N

00 BL

L 8 W

L 4 W

L 0

L 4 E

L 8 E

L 12 E

TB GG0077

TB GG0076

TB GG0075

TB GG0074

TB GG0073

TB GG0072

TB GG0071

TB GG0070

TB GG0069

TB GG0068

TB GG0067

TB GG0066

TB GG0065

TB GG0064

TB GG0055

TB GG0056

TB GG0057

LITTLE DAVIDSON LAKE

TB GG0054

TB GG0052

TB GG0053

TB GG0044

TB GG0045

TB GG0046

TB GG0043

TB GG0042

TB GG0041

LUNCH LAKE

TB G42215

TB G42216

TB G42205

TB G42208

TB G42207

TB G42206

TB G42217

TB G42214

TB G13855

TB G13727

TB G13842

TB G13723

TB G13862

TB G13853

TB G13854

TB G13729

TB G13843

TB G13845

TB G13844

TB G13846

TB G13847

TB G004046

TB G004047

TB G004048

TB G004049

TB G004051

TB G004052

TB G004050

TB G004054

TB G004055

TB G004056

TB G004057

TB G004058

TB G004060

TB G004059

TB G004061

TB G004062

TB G004063

TB 674478

TB G42200

TB G42211

TB G13848

TB G42212

TB G13840

TB G42210

TB G42209

L 28 W

L 26 W

L 24 W

L 22 W

L 20 W

L 18 W

L 16 W

L 14 W

L 12 W

L 10 W

L 8 W

L 108 W

L 104 W

L 100 W

L 96 W

L 92 W

L 88 W

L 84 W

L 80 W

L 76 W

L 72 W

L 68 W

L 64 W

L 60 W

L 56 W

L 52 W

L 48 W

L 44 W

L 40 W

L 36 W

L 32 W

24 + 00 N

TB GG0077

20 + 00 N

16 + 00 N

12 + 00 N

TB GG0076

8 + 00 N

4 + 00 N

00 BL

SANTOY LAKE AREA
SYINE TOWNSHIP

TB GG0069

B GG0064

G0057

TB G60052

B G60045

TB G60046

TB G60042

TB G60041

TB G42201

TB G42202

BEAVERDAM
LAKE

TB G42203

TB G42204

TB G42220

TB G42219

TB G42218

CHRISTIE
LAKE

TB G04048

TB G04049

TB G04042

TB G04043

TB G04044

TB G04045

TB G03914

TB G03919

TB G03913

TB G03912

TB G03915

TB G03918

TB G03920

TB G03923

TB G03924

TB G04039

TB G03922

TB G03921

TB G03925

TB G04041

TB G03911

TB G03916

TB G03917

TB 674478

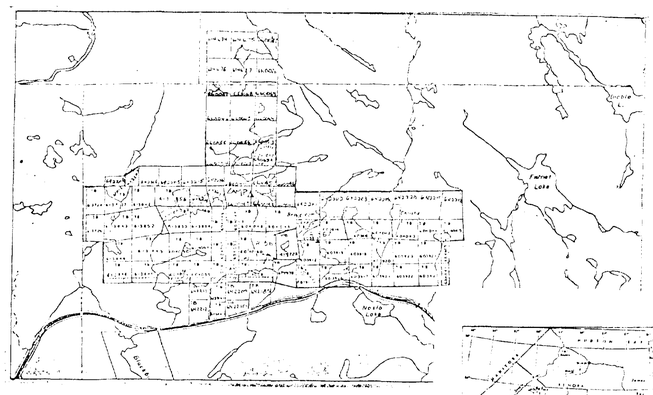
L 76 E

L 34 W

L 28 W
L 26 W
L 24 W
L 22 W
L 20 W
L 18 W
L 16 W
L 14 W
L 12 W

L 10 W
L 8 W
L 6 W
L 4 W
L 2 W
L 0
L 2 E
L 4 E
L 6 E
L 8 E
L 10 E
L 12 E
L 16 E
L 20 E
L 24 E
L 28 E
L 32 E
L 36 E
L 40 E
L 44 E
L 48 E
L 52 E
L 56 E
L 60 E
L 64 E
L 68 E

N



2.7785

feet
400 0 200 400 600

LEGEND
0.0 ppm Ag
1.0 ppm Ag (Theshold)
1.0 ppm Ag (Anomalous)

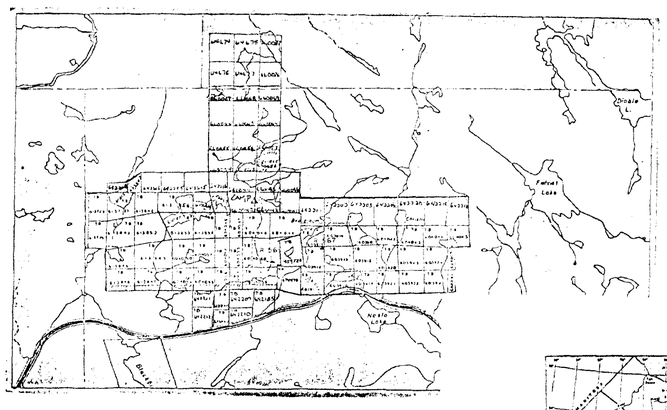
DAVID R. BELL GEOLOGICAL SERVICES INC.

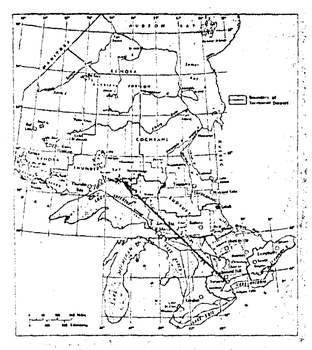
MICHAM EXPLORATION INC.

SOIL GEOCHEMISTRY
SILVER
SYINE TWP. & SANTOY LAKE AREA
THUNDER BAY MINING DIVISION
ONTARIO

MAP SCALE	DATE	DRAWN BY
1"=400'	NOV. 83	

SANTOY LAKE AREA
SYINE TOWNSHIP





BEAVERDAM LAKE

CHRISTIE LAKE

TB 674478

L 28 W — L 26 W — L 24 W — L 22 W — L 20 W — L 18 W — L 16 W — L 14 W — L 12 W

L 10 W — L 8 W — L 6 W — L 4 W — L 2 W — L 0 — L 2 E — L 4 E — L 6 E — L 8 E — L 10 E — L 12 E — L 16 E — L 20 E — L 24 E — L 28 E — L 32 E — L 36 E — L 40 E — L 44 E — L 48 E — L 52 E — L 56 E — L 60 E — L 64 E — L 68 E — L 76 E

feet
400 0 200 400 800

LEGEND

- 9 ppb Au
- 13 ppb Au (Theshold)
- 17 ppb Au (Anomalous)

Mike Simunovic
27785

DAVID R. BELL GEOLOGICAL SERVICES INC.

MICHAM EXPLORATION INC.

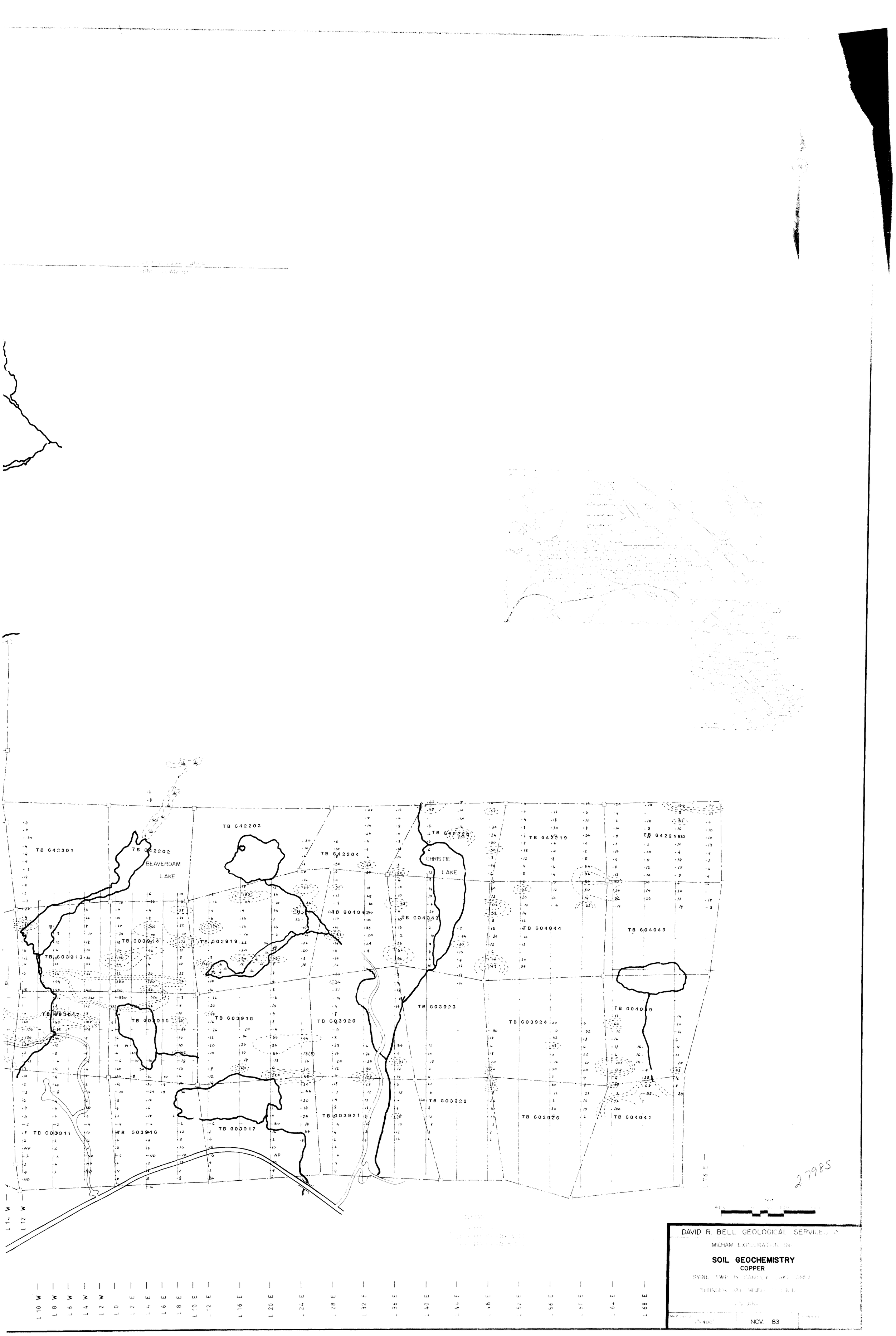
SOIL GEOCHEMISTRY
GOLD

SYINE TWP. & SANTOY LAKE AREA

THUNDER BAY MINING DIVISION

ONTARIO

MAP SCALE	DATE	DRAWN BY:
1"=400'	NOV. 83	



27985

DAVID R. BELL GEOLOGICAL SERVICES

MICHAM EXPLORATION INC.

SOIL GEOCHEMISTRY

COPPER

SYNE TWP. PORCUPINE MINING AREA

THUNDER BAY MINING DIVISION

1"=400'	NOV. 83

SANTOY LAKE AREA
SYINE TOWNSHIP

BEAVERDAM LAKE

CHRISTIE LAKE

TB 674478

DAVID R. BELL GEOLOGICAL SERVICES INC.

ZINC

SYINE TWP. & SANTOY LAKE AREA

THUNDER BAY MINING DIVISION

ONTARIO

MAP SCALE	DATE	FIGURE NO.
1"=400'	NOV. 83	

27985