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REPORT
ON
GEOLOGICAL MAPPING, GEOCHEMICAL SAMPLING,
PROSPECTING AND DIAMOND DRILLING
GOGAMA PROPERTY
OF
THOR RESOURCES INC.
DISTRICT OF SUDBURY
PORCUPINE MINING DIVISION
NTS 41P12

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November 7, 1983

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	Page
Summary	1
Introduction	2
Property Description	2
Location and Access	2
Figure No. 1 - Property Location Maps	3
Exploration History	4
Previous Work	4
Present Program	5
Regional Geology	5
Property Geology	6
Intermediate to Mafic Metavolcanics	7
Undifferentiated Mafic Metavolcanics and Metasediments	7
Felsic Tuffs	8
Sericite Schist	8
Slate	9
Quartzite	9
Undifferentiated Metasediments	9
Ultramafic Intrusive	9
Granite	9
Diabase	10
Details and Results of Work Performed	10
Soil Survey	10
Prospecting	11
Diamond Drilling	11
Discussion of Results	11
Recommendations and Estimated Cost	12
References	13

Appendix

Page

Soil Samples Locations & Analysis Results

(Back of Report)

Diamond Drill Hole Sections Holes TG-83-1
to TG-83-6 " "

Diamond Drill Logs. Holes TG-83-1
to TG-83-6 " "

Certificates of Analysis " "

Maps

Map No. 1 - Property Geology " "

Map No. 2 - Soil Sampling,
Survey Results " "

SUMMARY

The Thor Resources Inc. property consists of 13 unpatented mineral claims located five miles south of Gogama in northeastern Ontario.

Gogama is joined to both Sudbury and Timmins by highway and the property is easily accessible by boat along Lake Minisinakwa from Gogama.

The claims were acquired to cover a strong VLF-EM conductor with coincident magnetic high, identified in 1980 by airborne geophysics.

The property lies along a narrow greenstone belt of Archean Age. Comprised of a range of metavolcanic and meta-sedimentary rocks, the belt is bounded to the north and south by an extensive granitic intrusive. Strong north-south faulting controls the courses of numerous lakes and rivers in the area, as well as the intrusion of late stage diabase dykes.

Gold was discovered in the area in 1922 and the ensuing staking rush resulted in the discovery of gold two miles to the east of the property at Pensyl Lake, where gold values up to 0.5 ounces per ton were reported in the early 1930's.

In early 1982 VLF-EM and magnetic surveys were carried out and results indicated ten bedrock conductors or conductive zones on the property.

A program of geological mapping, prospecting and soil sampling, followed by the diamond drilling of six selected targets for a total of 2001.5 feet, was carried out between July and September 1983.

Values up to 0.013 ounces per ton gold indicated that gold does occur on the property, although no values indicating economic concentrations were obtained.

"A program of detailed geochemical soil sampling is recommended over the B-B' geophysical anomaly to determine if higher grade concentrations of gold can be detected.

Estimated cost of this program is \$3,000.

INTRODUCTION

This report prepared for Thor Resources Inc., describes the results of an extensive program of geological mapping, prospecting, soil sampling and diamond drilling carried out between July and September, 1983 on their 13 claim property located five miles south of Gogama in northeastern Ontario.

PROPERTY DESCRIPTION

The property of Thor Resources Inc., consists of 13 contiguous unpatented mineral claims in Groves and St. Louis Townships, District of Sudbury, northern Ontario. The claims are recorded on Ministry of Natural Resources Plan No. M898 and M1127.

Claim details, prior to filing of this report, are shown below:

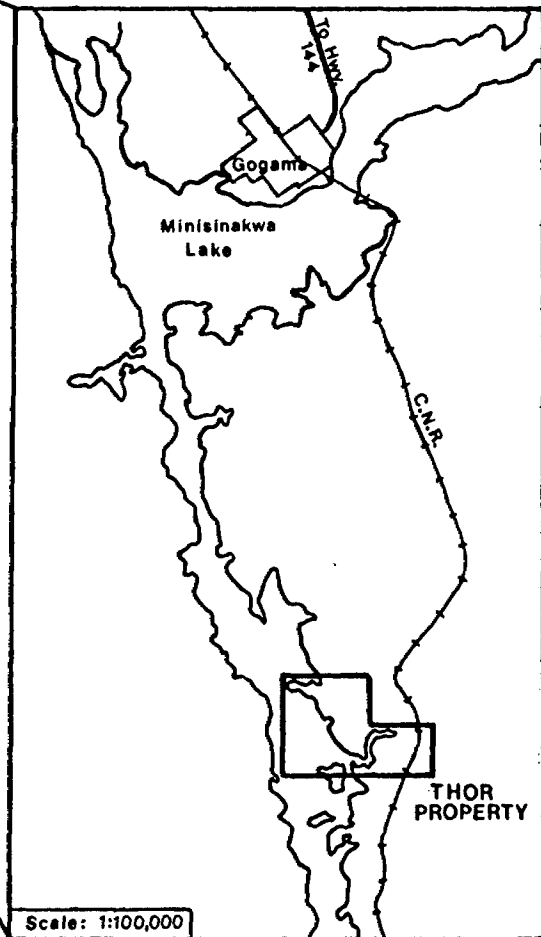
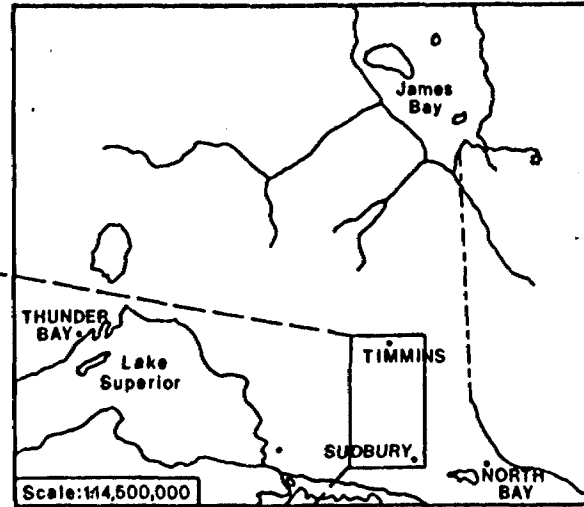
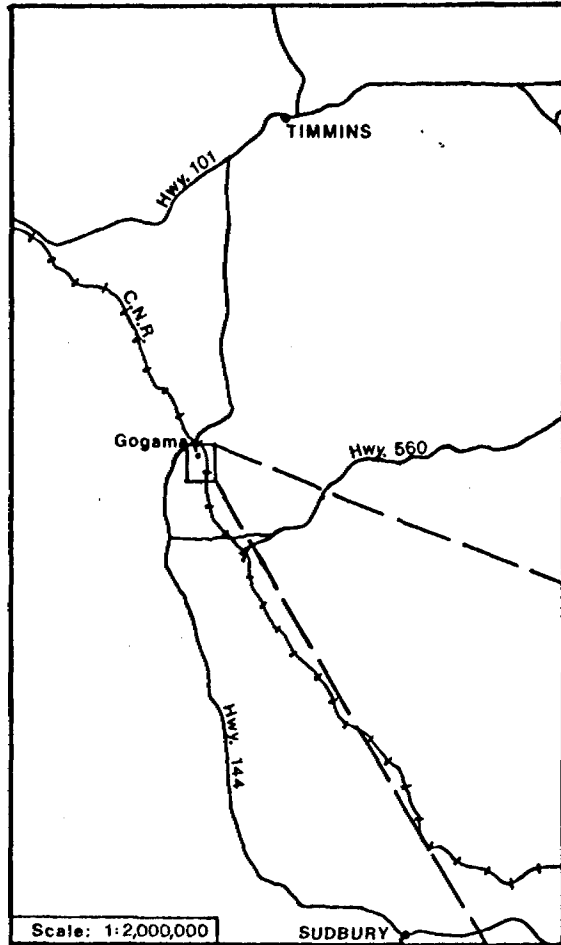
<u>Claim Numbers</u>	<u>Total Claims</u>	<u>Recording Date</u>	<u>Work required to lease</u>	
			<u>Days/Claim</u>	<u>Due Date</u>
573087 to 573088	2	Oct. 07, 1980	120	Oct. 07, 1985
574774 to 574775	2	Oct. 07, 1980	120	Oct. 07, 1985
602917 to 602925	9	Jan. 28, 1982	140	Jan. 28, 1986

LOCATION AND ACCESS

The property is located in northeastern Ontario approximately five miles south of the town of Gogama.

Gogama, as shown in Figure 1, is accessible from both Timmins and Sudbury by hard surface all-weather highway, a distance of 65 miles and 90 miles respectively. In addition, the main line of the Canadian National Railway runs through Gogama and the property, with passenger trains making flag stops in the town.

Access to the property from Gogama is readily available by boat along Minisinakwa Lake. Fixed wing aircraft and helicopter services may also be chartered in Gogama.



THOR RESOURCES INC.

LOCATION MAPS FOR GOGAMA PROPERTY

FIGURE 1

EXPLORATION HISTORY

The history of exploration in the area began with the discovery of gold about four miles south of the property, near Makwa in 1922 (page 63, ODM Report 43). This discovery coincided with an influx of prospectors into the area, westward from Shiningtree.

Although numerous test pits and trenches were dug, a few of which were noted on the property, further discoveries were not reported until the early 1930's. At that time it was reported that gold has been discovered in an area southeast of the original Makwa discovery and in the Pensyl Lake area, about two miles east of the Thor Resources property. Gold values of up to 0.5 ounces per ton were reported by members of the Tasmijopen Syndicate working in the Pensyl Lake area at the time.

Following the rise in gold prices during 1979 and 1980, virtually all open ground in the property area has been staked and is currently being re-explored. In addition to the work carried out by Geocanex for Thor Resources Inc., both Murgold and Kidd Creek Mines have been active in the area during the 1983 field season.

PREVIOUS WORK

During November 1980, airborne geophysical work including EM, VLF-EM and magnetic surveys was carried out over a wide area that included ground now held by Thor Resources Inc. The results of these surveys, obtained from the ODM Assessment Library, indicated a bedrock VLF-EM conductor with a coincident magnetic high trending in an east-west direction across part of the Thor Property.

In December 1981, H.J. Hodge carried out a reconnaissance VLF survey and successfully located the airborne VLF anomaly in the north central half of the original Thor property.

The following year, on January 9, more claims were staked over ground immediately west of the original four claims. An examination of the new ground shortly afterwards by H.J. Hodge, resulted in further work that included linecutting and magnetometer and VLF EM surveys over the entire property. This program completed during January 1983, successfully delineated ten bedrock conductors or conductive zones on the property (Report on VLF EM and Magnetic Surveys on property of Thor Resources Inc., by R. Gillick and H.J. Hodge, March 1983.)

PRESENT PROGRAM

The present exploration program, carried out over a two and a half month period between mid July and late September 1983, was performed in two stages.

The first stage, which included detailed geological mapping, prospecting and the collection of rock and soil samples for geochemical analysis, was completed in late August. The second stage, involving the diamond drilling of selected geophysical, geochemical and geological targets, took place during the first three weeks of September.

Geological mapping and prospecting was carried out over the entire property by S. Traynor with the assistance of B. Law, using a pre-existing picket-line grid for control.

The collection of soil samples was carried out by B. Law, while whole rock and channel samples were taken by S. Traynor.

Diamond drilling was completed by Tindale Drilling Ltd., under the supervision of S. Traynor.

REGIONAL GEOLOGY

Detailed accounts of the geology of the region surrounding the property are presented by Laird (1934) and more recently by Siragusa (1981).

Briefly, a narrow belt of Archean metavolcanics and metasediments is seen to underly the area. This belt, which trends generally east-west with dips near vertical, extends well to the east and west of the property. Approximately 1 1/2 miles wide in the area of the property the belt is bordered to the north and south by large, dominately potassic, granitic stocks.

In Groves Township, the belt consists of Keewatin aged intermediate to mafic volcanic rocks that are closely associated with overlying sedimentary rocks known as the Ridout Series, probably of Timiskaming Age.

Structurally, it would appear that in post Timiskaming time the belt was closely folded into a major synclinal structure, the axis of which is centered in the sedimentary series of the belt. As well, strong regional faulting, in a roughly north-south direction, divides the belt into distinct segments. The borders of these segments are represented by the linear basins of many of the lakes across the area, of which Minisinakwa Lake is a fine example.

PROPERTY GEOLOGY

The consolidated rocks examined on the Thor Resources property consisted of intermediate to mafic metavolcanics, minor amounts of acid pyroclastics, a variety of epiclastic metasedimentary rocks, ultramafic intrusives, granite and diabase. These rocks are overlain by an extensive and often continuous (particularly the southern part of the property) cover of glacial till and more recent swamp deposits.

The rocks generally show a well developed foliation that strikes between N 40° E and S 70° E, with dips varying within a few degrees of vertical on average. Where developed, shearing was found to be parallel to the foliation.

The extensive chloritic alteration and to a lesser degree albitization, particularly of the mafic metasediments and volcanics, together with the moderately carbonated nature of most of the rocks on the property, indicates a metamorphic grade of lower greenschist.

Many east-west trending lineaments in the topography, such as major outcrop boundaries, cliffs, and stream and swamp valleys may indicate the location of fairly large scale faults. Due to the lack of any positive evidence, such as offsetting of contacts, slickenslides, etc., they have not been indicated as such on the map.

The various rock units underlying the property are described as follows, from oldest to youngest.

Intermediate to Mafic Metavolcanics

This sequence, where exposed, consists of strongly foliated andesitic and basaltic lavas and associated tuffs with no recognizable primary features.

Distinguished in the field primarily on the basis of color index, these rocks have been grouped together as a single unit due to a paucity of outcrop, that would have warranted their differentiation in the final interpretation.

Minor disseminated pyrite and pyrrhotite were noted in a number of outcrops.

Undifferentiated Mafic Metavolcanics and Metasediments

This unit is seen as two parallel bands trending east-west across the property, possibly representing the north and south limbs of a synform. The north band is dominately composed of a fine grained, dark green rock that appears at times to be a poorly developed chlorite schist. The chlorite present in the rock is thought to be an alteration product of biotite.

A definite tuffaceous component to this unit was noted over extensive sections of core (TG-83-1), although outcrop at the surface appears to indicate a predominately sedimentary provenance. This obvious inconsistency can be attributed to complex fold patterns, especially within the sedimentary units, which has had the effect of producing numerous lense shaped

bodies of varying size within this predominately volcanic unit. In combination with limited bedrock exposure, this has had the effect of producing what appeared initially to be a wholly sedimentary unit.

The southern band of this unit, which is seen to roughly parallel the southern boundary of the property, is a pale limey green, highly carbonated rock with 10 to 15% combined biotite and chlorite. From observations of a number of outcrops in the field it is suggested that this band represents a strong hydrothermal alteration of the rock described above from the north band.

Felsic Tuffs

This unit is based on a number of exposures on the northeast and east shores of Gervais Island. The rock which grades from a fine grained, yellowish-tan color to a greyish color with a slaty texture, was recognized on the presence of numerous small, dark black inclusions of volcanic glass. These shards are characteristic of rocks with a tuffaceous origin.

Mineralization within this unit was restricted to a single gossanous shear zone, a sample of which yielded negligible results when assayed for gold.

Sericite Schist

This unit forms an easterly widening band across the central section of the property and appears, where exposed, as a well banded often pyrite rich rock. The banded nature is due to alternating layers of pale green sericite and quartz. The quartz on a weathered surface shows a gossanous staining due to associated pyrite.

Evidence from drill core suggests that this unit may be a product of intense sericitization and metamorphism of felsic volcanic rocks, possibly tuffs.

Slate

This unit occurs, in the southwestern portion of the property, as small lense shaped bodies of limited extent, that are likely the result of the complex folding patterns mentioned above. The exposures observed were very fine grained, grey to black in colour and showed a well developed cleavage parallel to the local trend.

Quartzite

This unit where observed appears as a very fine grained, whitish rock that is found as pods within the lenses of slate described above. The occurrence of this unit on the property is very minor.

Undifferentiated Metasediments

Based on a number of widely scattered outcrops, this unit contains a variety of rock types including, meta-arkoses, metagreywackes and muscovite schists. These rocks are grouped together as one unit due to lack of sufficient outcrop to warrant any subdivision.

Ultramafic Intrusive

This unit is based on a number of exposures in the northwestern portion of the property and has been extrapolated across the property based on geophysical interpretation.

Drilling results suggest that the western extension of this unit has been extensively altered to a talc-chlorite rich rock.

The entire unit is highly magnetic due to abundant disseminated magnetite.

Granite

Roughly parallel with the northern boundary of the property, this unit is part of a large batholith that extends northward past Gogama. The rock itself is a greyish, medium to coarse grained, sodic granite.

A poorly developed gneissosity, marked by biotite and minor hornblende, was noted parallel to the local trend.

Roof pendants of intermediate to mafic metavolcanic rock and numerous granitic veins noted in outcrops well south from the main contact, suggests that the intrusive was rather flat-topped in nature.

Diabase

This unit forms a single dyke comprised of a fine grained, black rock that is moderately to strongly magnetic. Based on geophysical data, the dyke is interpreted to run north-south parallel to the shore of the lake.

The north-south orientation and interpreted length of over 2000 feet of the dyke, suggests that its emplacement may have been controlled by the same faulting that formed the lake basins in the area.

DETAILS AND RESULTS OF WORK PREFORMED

Soil Survey

256 soil samples were collected, at 100 ft. intervals with a 200 ft. line spacing, down ice from geophysical anomalies indicated by earlier work on the property.

The soil cover over most of the property was fairly continuous, consisting of a sandy loam derived from the glacial overburden.

Whenever possible, samples of material from the B zone were collected and failing this, C zone clay was sampled.

Analysis of each sample using standard fire assay techniques was performed by Bell White Analytical Labs, with results reported in parts per billion of gold. Sample locations and analysis are listed in the Appendix.

Based on statistical determinations the data was contoured at appropriate intervals (see Map 2). Two weakly anomalous zones, coincident with geophysical zone B-B', were indicated in the southern part of the property. These were subsequently investigated by drilling (see diamond drilling section for results).

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Prospecting

All pyritic zones, shear zones and quartz veins encountered during the geological mapping of the property were sampled. A total of 26 samples were obtained, details of which are given on Map 1. The highest value obtained was 372 parts per billion (0.012 ounces per ton).

Diamond Drilling

Six holes were put down to test selected VLF EM conductors and the two geochemical anomalies mentioned previously. The total footage was 2,001.5 feet. Holes were sited to intersect the geophysical conductor at 150 feet below surface.

All hole casings were pulled and holes were marked with a flagged picket.

The core is presently being stored at the Mandely Manor Resort Motel in Gogama.

All quartz veins, sulfide bearing zones and any other potentially gold bearing zones of alteration were sampled. The core was split and one half assayed at Bell White Labs in Haileybury, Ontario.

No economic gold values were intersected in the drilling. The most favorable zone, encountered in hole No. TG-83-6, was sampled extensively, but the best value encountered was 404 parts per billion gold (0.013 ounces per ton) over 5 feet. All other samples showed trace or only marginally higher (see Appendix, Certificate of Analysis No. B700-83).

Caustive conductive zones were intersected to explain the anomalies in all six holes. Holes TG-83-2 and 4 intersected shear zones. Holes TG-83-3 and 5 intersected sulfide zones. Hole TG-83-6 intersected a fracture zone and Hole Tg-83-1 intersected a zone rich in magnetite.

DISCUSSION OF RESULTS

Although no economic gold values were obtained, a number of gold values in the 300 to 400 parts per billion (0.01 ounces per ton) range indicate that gold does occur on the property in

concentrations well above the normal background for the area.

If economic values of gold are to be found on the property, they will in all probability be found along the zone of quartz veining and alteration intersected in Hole TG-83-6

The most suitable exploration tool for detecting any higher concentrations of gold along the above zone or in areas adjacent to it, would be geochemical soil sampling.

RECOMMENDATIONS AND ESTIMATED COST

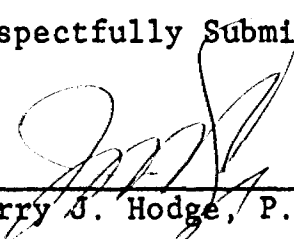
Geochemical soil sampling at 100 ft. intervals on a 200 ft. line spacing, between L20 E to 46 E and south of the baseline is recommended to complete coverage over the B-B' zone and areas directly adjacent to it.


The estimated cost of this work would be;

- Geochemical sampling, all inclusive	
125 samples @ \$20.00 per	\$2500.00
- Contingency @ 20%	500.00
	<u>\$3000.00</u>

Respectfully Submitted,




Harry J. Hodge, P. Eng.


Steve Traynor

REFERENCES

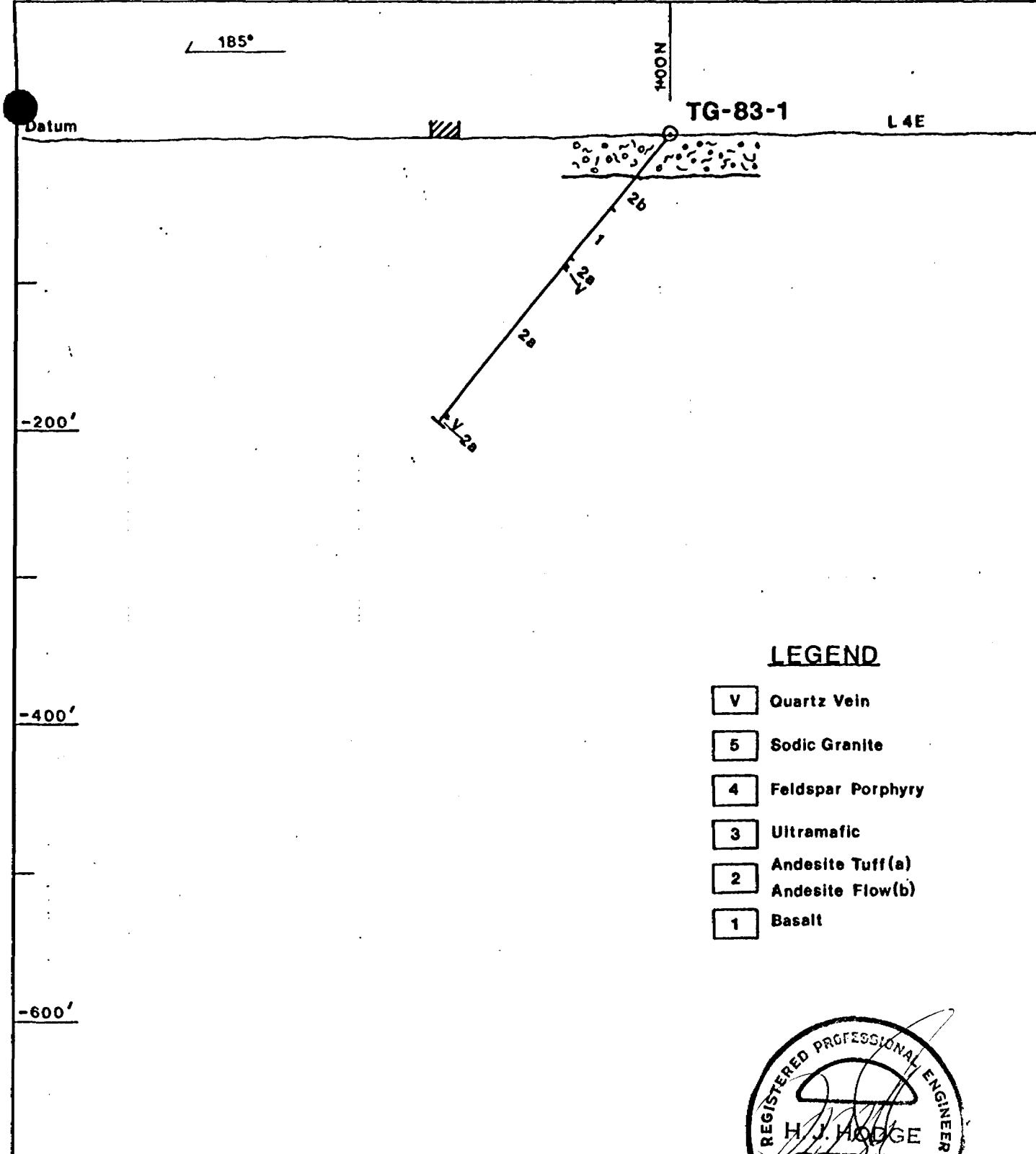
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Soil Sample Locations and Analysis Results

<u>SAMPLE NO.</u>	<u>LINE</u>	<u>STATION</u>	<u>RESULTS</u> Au in ppb	<u>SAMPLE NO.</u>	<u>LINE</u>	<u>STATION</u>	<u>RESULTS</u> Au in ppb
TG 5001	42E	8+00S	36	TG 5042	34E	14+00S	6
2	42E	9+00S	18	3	34E	15+00S	8
3	42E	10+00S	2	4	34E	16+00S	2
4	42E	11+00S	28	5	34E	17+00S	8
5	42E	12+00S	26	6	34E	18+00S	6
6	42E	13+00S	34	7	36E	16+00S	14
7	42E	14+00S	20	8	36E	15+00S	4
8	42E	15+00S	22	9	36E	14+00S	4
9	42E	16+00S	2	50	36E	13+00S	6
10	42E	17+00S	22	1	36E	12+00S	12
1	44E	17+00S	20	2	36E	11+00S	6
2	44E	18+00S	4	3	36E	10+00S	12
3	44E	16+00S	8	55	38E	11+00S	14
4	44E	14+90S	12	6	38E	12+00S	10
5	44E	14+00S	12	7	38E	13+00S	8
6	44E	13+00S	14	8	38E	14+00S	18
7	44E	12+00S	36	9	38E	15+00S	8
8	44E	11+00S	26	60	38E	16+00S	22
9	44E	10+00S	22	1	38E	17+00S	12
20	30E	10+00S	14	2	24E	4+00N	4
1	30E	11+00S	4	3	24E	3+00N	2
2	30E	12+00S	22	4	24E	2+00N	2
3	30E	13+00S	16	5	26E	3+48N	2
4	30E	14+00S	20	6	26E	3+00N	2
5	30E	15+00S	38	7	26E	2+00N	2
6	30E	16+23S	36	8	28E	3+48N	6
7	30E	16+90S	20	70	28E	2+54N	6
8	30E	18+00S	16	73	30E	3+00N	6
9	32E	17+00S	8	4	41E	0+00	10
30	32E	18+00S	4	5	41E	3+00N	10
1	32E	15+90S	6	6	43E	1+00N	2
2	32E	15+00S	2	7	43E	2+25N	2
3	32E	14+00S	2	8	43E	3+00N	4
4	32E	13+00S	14	9	43E	4+00N	4
5	32E	12+00S	4	80	43E	5+00N	2
6	32E	11+00S	4	1	38E	0+00	2
7	32E	10+00S	4	2	38E	1+00N	6
8	34E	10+00S	2	3	38E	2+00N	6
9	34E	11+00S	4	4	38E	4+00N	10
40	34E	12+00S	6	5	38E	5+00N	8
1	34E	13+00S	8	6	36E	5+00N	4

<u>SAMPLE NO.</u>	<u>LINE</u>	<u>STATION</u>	<u>RESULTS</u> <u>Au in ppb</u>	<u>SAMPLE NO.</u>	<u>LINE</u>	<u>STATION</u>	<u>RESULTS</u> <u>Au in ppb</u>
TG 5087	36E	4+00N	8	TG 5137	24E	4+00S	8
8	36E	0+00	6	8	24E	3+00S	4
9	34E	0+00	4	9	24E	2+00S	2
90	34E	3+00N	4	40	24E	1+00S	2
92	32E	3+00N	2	S141	14E	3+00S	6
3	32E	0+00	6	S142	14E	2+00S	12
4	32E	1+00S	4	3	14E	0+00	6
5	32E	2+00S	10	4	12E	0+00	6
6	32E	3+00S	8	5	12E	1+00S	12
7	32E	4+00S	6	6	12E	2+00S	4
8	32E	5+00S	6	7	12E	3+00S	6
9	34E	5+00S	4	8	10E	5+00S	4
100	34E	4+00S	10	9	10E	4+00S	14
1	34E	3+00S	4	50	10E	3+00S	12
2	34E	2+00S	2	1	10E	2+00S	6
3	34E	1+00S	4	2	10E	1+00S	12
4	36E	1+00S	2	3	10E	0+00	6
5	36E	2+00S	2	4	8E	5+00S	4
6	36E	3+00S	6	5	8E	4+00S	6
7	36E	4+00S	2	6	8E	3+00S	4
8	38E	4+00S	10	7	8E	2+00S	12
9	38E	3+00S	8	8	8E	1+00S	2
10	38E	2+00S	4	9	8E	0+00	9
1	38E	1+00S	2	60	6E	0+00	2
2	41E	1+00S	10	1	6E	1+00S	2
3	41E	2+00S	10	2	6E	2+00S	6
4	41E	3+00S	2	3	6E	3+00S	4
5	41E	4+00S	2	4	4E	2+00S	2
6	43E	4+00S	2	5	4E	1+00S	20
7	43E	3+00S	2	6	4E	0+00	18
8	43E	2+00S	2	7	2E	0+00	6
9	43E	1+00S	2	8	2E	1+00S	6
20	30E	0+00	2	9	4E	7+00N	12
1	30E	1+00S	2	70	4E	6+00N	6
2	30E	2+00S	2	1	4E	5+00N	6
3	30E	3+00S	4	2	4E	4+00N	6
4	30E	4+00S	4	3	4E	3+00N	2
5	30E	5+00S	10	4	4E	2+00N	12
6	28E	5+00S	10	5	4E	1+00N	10
7	28E	4+00S	2	6	2E	1+00N	16
8	28E	3+00S	6	7	2E	2+00N	6
9	28E	2+00S	4	8	2E	3+00N	6
30	28E	1+00S	2	9	2E	4+00N	6
1	26E	1+00S	2	80	2E	5+00N	4
2	26E	2+00S	2	1	2E	6+00N	16
3	26E	3+00S	4	2	2E	7+00N	16
4	26E	4+00S	4	3	6E	1+00N	8
5	26E	5+00S	6	4	8E	1+00N	16
6	24E	5+00S	10	5	12E	15+00N	2

<u>SAMPLE NO.</u>	<u>LINE</u>	<u>STATION</u>	<u>RESULTS</u> <u>Au in ppb</u>	<u>SAMPLE NO.</u>	<u>LINE</u>	<u>STATION</u>	<u>RESULTS</u> <u>Au in ppb</u>
TG S186	12E	14+00N	2	TG S232	16E	10+00N	4
7	12E	13+00N	2	3	16E	9+00N	2
8	10E	1+00N	2	4	16E	8+00N	2
9	10E	9+00N	6	5	16E	7+00N	6
90	10E	10+00N	8	6	16E	6+00N	4
1	10E	13+00N	4	7	16E	5+00N	2
2	10E	14+00N	6	8	16E	4+00N	6
3	10E	15+00N	4	9	16E	3+00N	2
4	12E	12+00N	16	40	16E	2+00N	2
5	12E	11+00N	8	1	16E	1+00N	2
6	12E	10+00N	12	2	16E	0+00	2
7	12E	9+00N	6	3	16E	1+00S	6
8	12E	8+00N	16	4	16E	2+00S	4
9	12E	7+00N	2	5	18E	7+00S	4
200	12E	6+00N	4	6	18E	8+21S	4
1	12E	5+00N	6	7	18E	9+00S	4
2	12E	4+00N	6	8	16E	9+00S	4
3	12E	3+00N	2	9	16E	8+00S	4
4	12E	2+00N	4	50	16E	7+00S	4
5	12E	1+00N	4	1	16E	6+00S	2
6	14E	1+00N	4	2	14E	4+00S	2
7	14E	2+00N	2	3	14E	5+00S	2
8	14E	3+00N	10	4	14E	6+00S	4
9	14E	4+00N	2	5	14E	7+00S	4
10	14E	5+00N	2	6	14E	8+00S	2
1	14E	6+00N	2	7	12E	7+00S	2
2	14E	7+00N	6	8	12E	6+00S	4
3	14E	8+00N	2	9	12E	5+00S	2
4	14E	9+00N	2	60	12E	4+00S	2
5	14E	10+00N	2	1	10E	6+00S	8
6	14E	11+00N	10				
7	14E	12+00N	4				
8	14E	13+00N	4				
9	14E	14+00N	4				
20	14E	15+00N	2				
1	18E	10+00N	2				
2	18E	11+00N	2				
3	18E	12+00N	2				
4	18E	13+00N	8				
5	18E	14+00N	4				
6	18E	15+00N	6				
7	16E	15+00N	4				
8	16E	14+00N	2				
9	16E	13+00N	2				
30	16E	12+00N	6				
1	16E	11+00N	4				



LEGEND

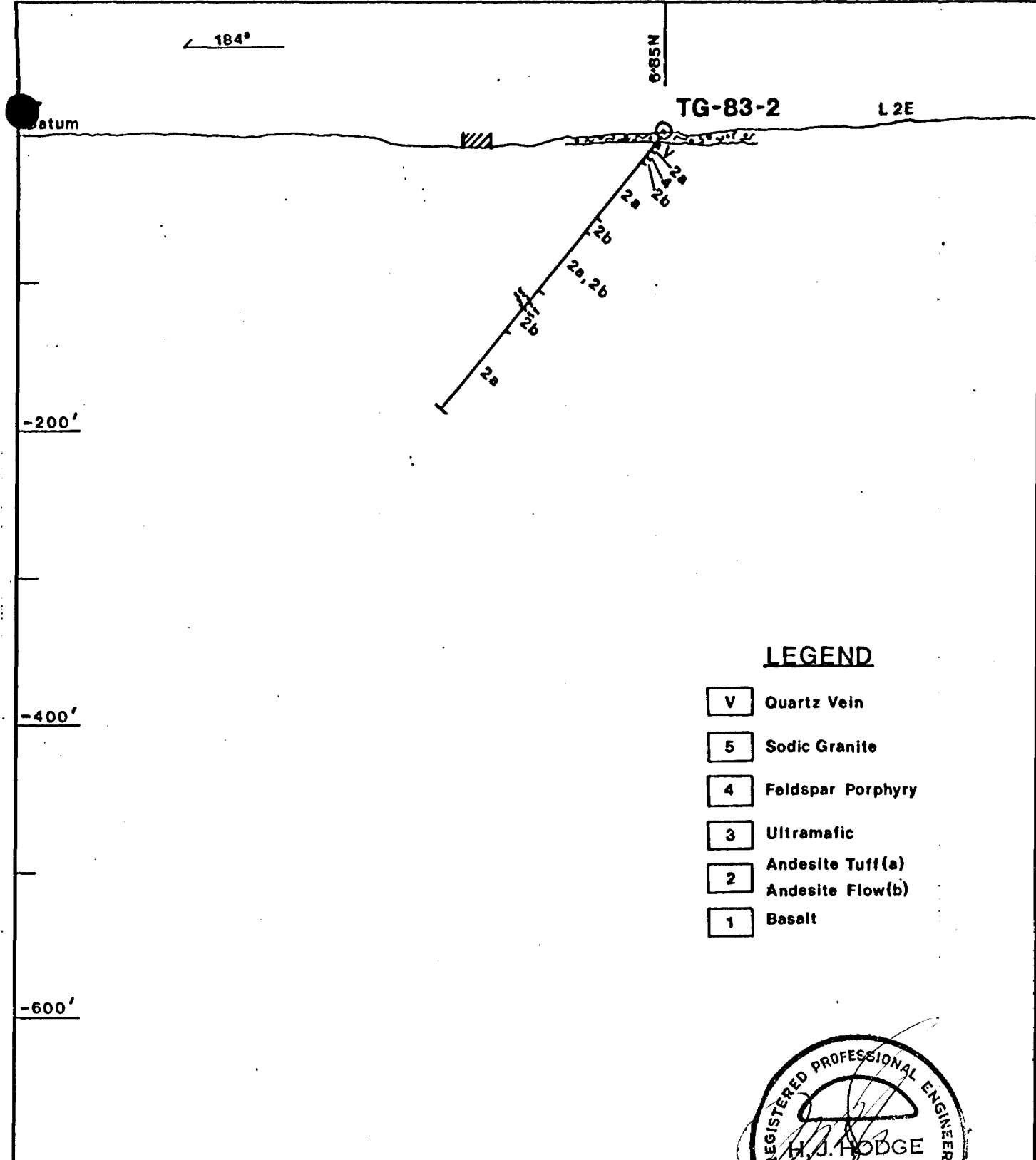
- V Quartz Vein
- 5 Sodic Granite
- 4 Feldspar Porphyry
- 3 Ultramafic
- 2 Andesite Tuff(a)
- 2 Andesite Flow(b)
- 1 Basalt

SYMBOLS

- Shear Zone
- Overburden
- VLF Conductor Axis



THOR RESOURCES INC.		
GOGAMA PROPERTY-ONTARIO		
VERTICAL SECTION		
D.D.H TG - 83-1		
LOOKING WEST		
Date: Oct. 1983	Scale: 1" = 100'	Drawn by: S.D.T
Author: S. Traynor	Map No.	



LEGEND

- V Quartz Vein
- 5 Sodic Granite
- 4 Feldspar Porphyry
- 3 Ultramafic
- 2 Andesite Tuff (a)
Andesite Flow (b)
- 1 Basalt

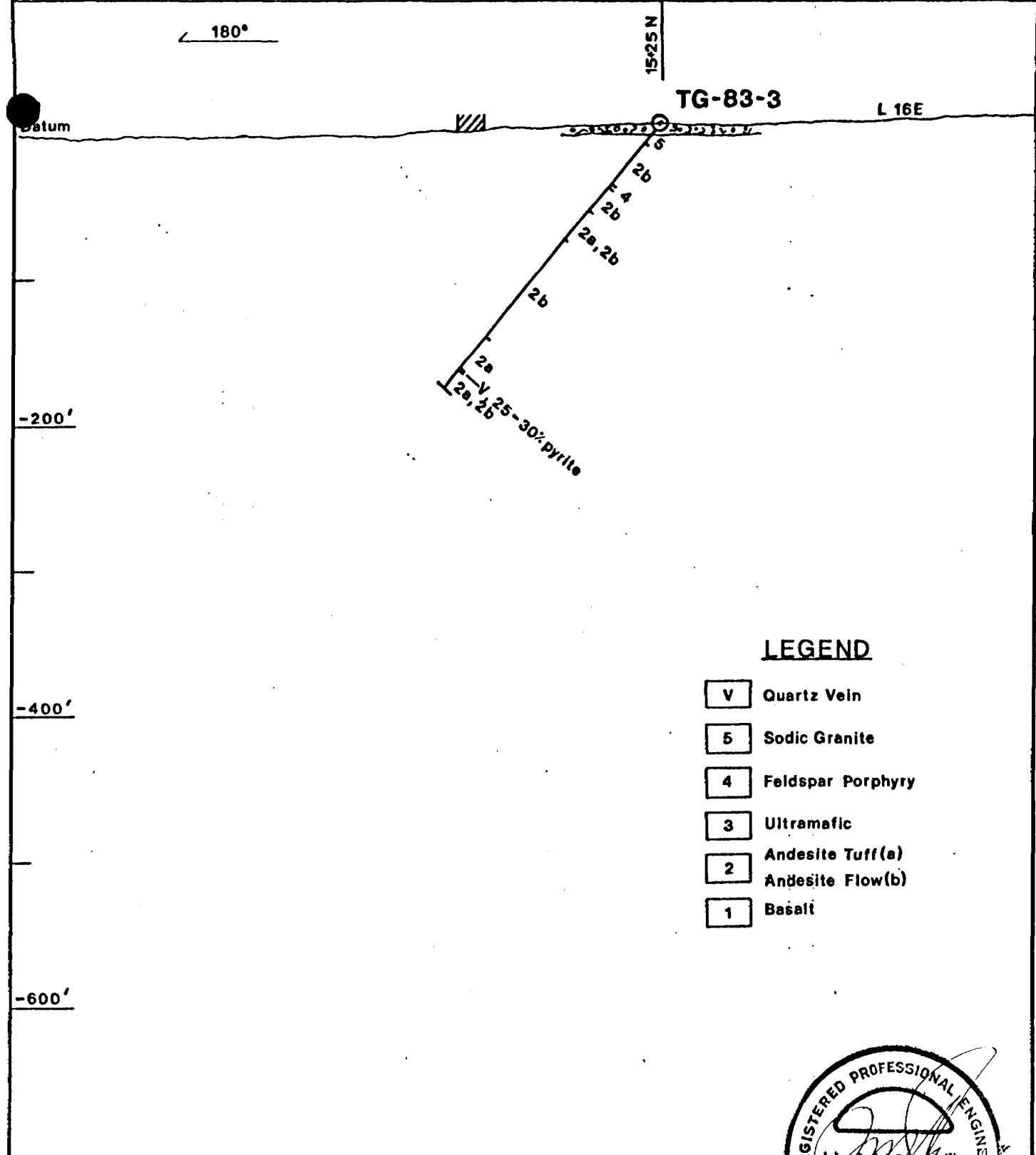
SYMBOLS

- Shear Zone
- Overburden
- VLF Conductor Axis



THOR RESOURCES INC.
GOGAMA PROPERTY - ONTARIO
VERTICAL SECTION
D.D.H TG - 83 - 2
LOOKING WEST

Date: Oct. 1983	Scale: 1" = 100'	Drawn by: S.D.T
Author: S. Traynor	Map No.	



LEGEND

- V Quartz Vein
- 5 Sodic Granite
- 4 Feldspar Porphyry
- 3 Ultramafic
- 2 Andesite Tuff(a)
Andesite Flow(b)
- 1 Basalt

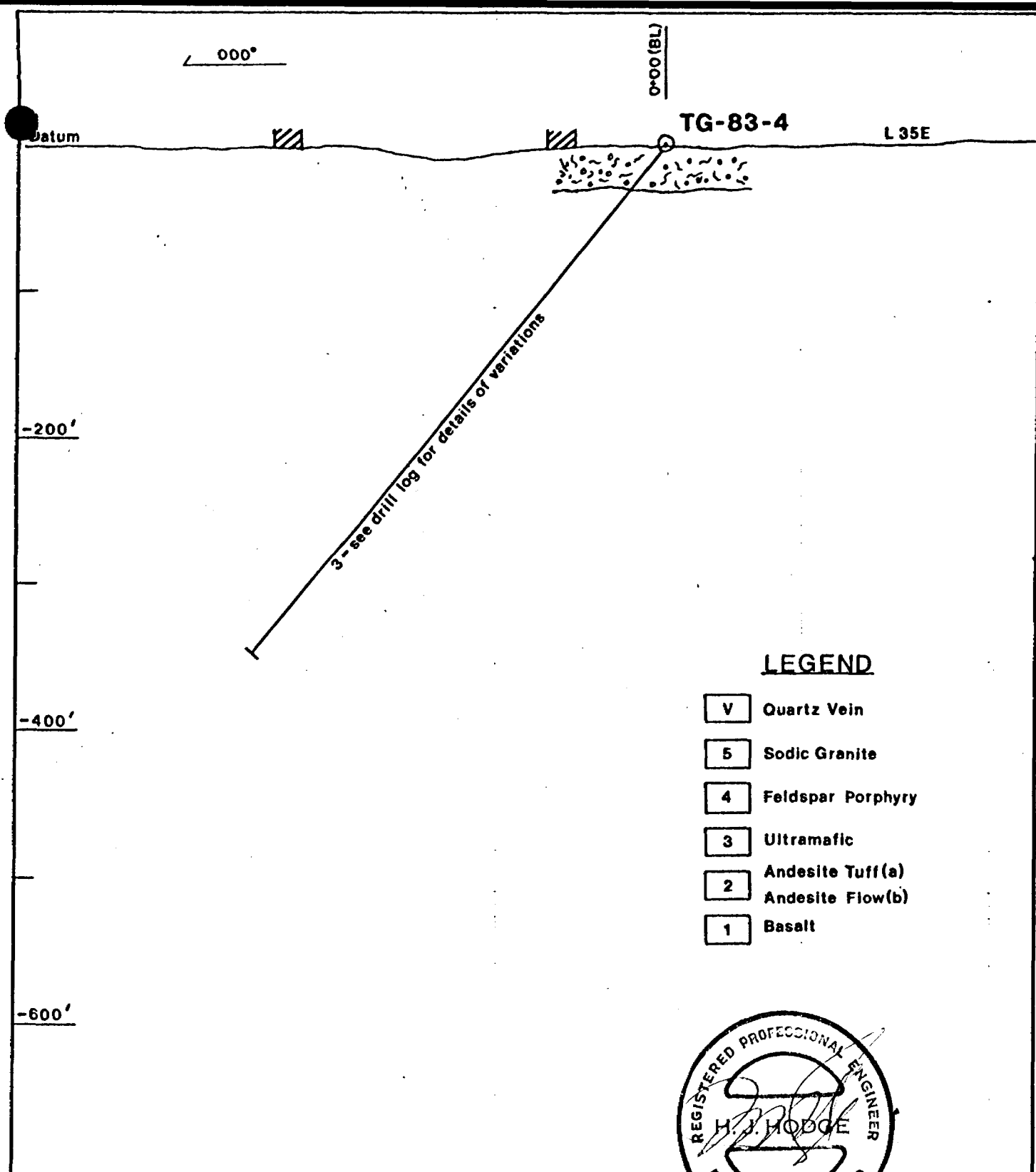
SYMBOLS

- Shear Zone
- Overburden
- VLF Conductor Axis



THOR RESOURCES INC.
GOGAMA PROPERTY-ONTARIO
VERTICAL SECTION
D.D.H TG-83-3
LOOKING WEST

Date: Oct. 1983	Scale: 1" = 100'	Drawn by: S.D.T
Author: S. Traynor	Map No.	



LEGEND

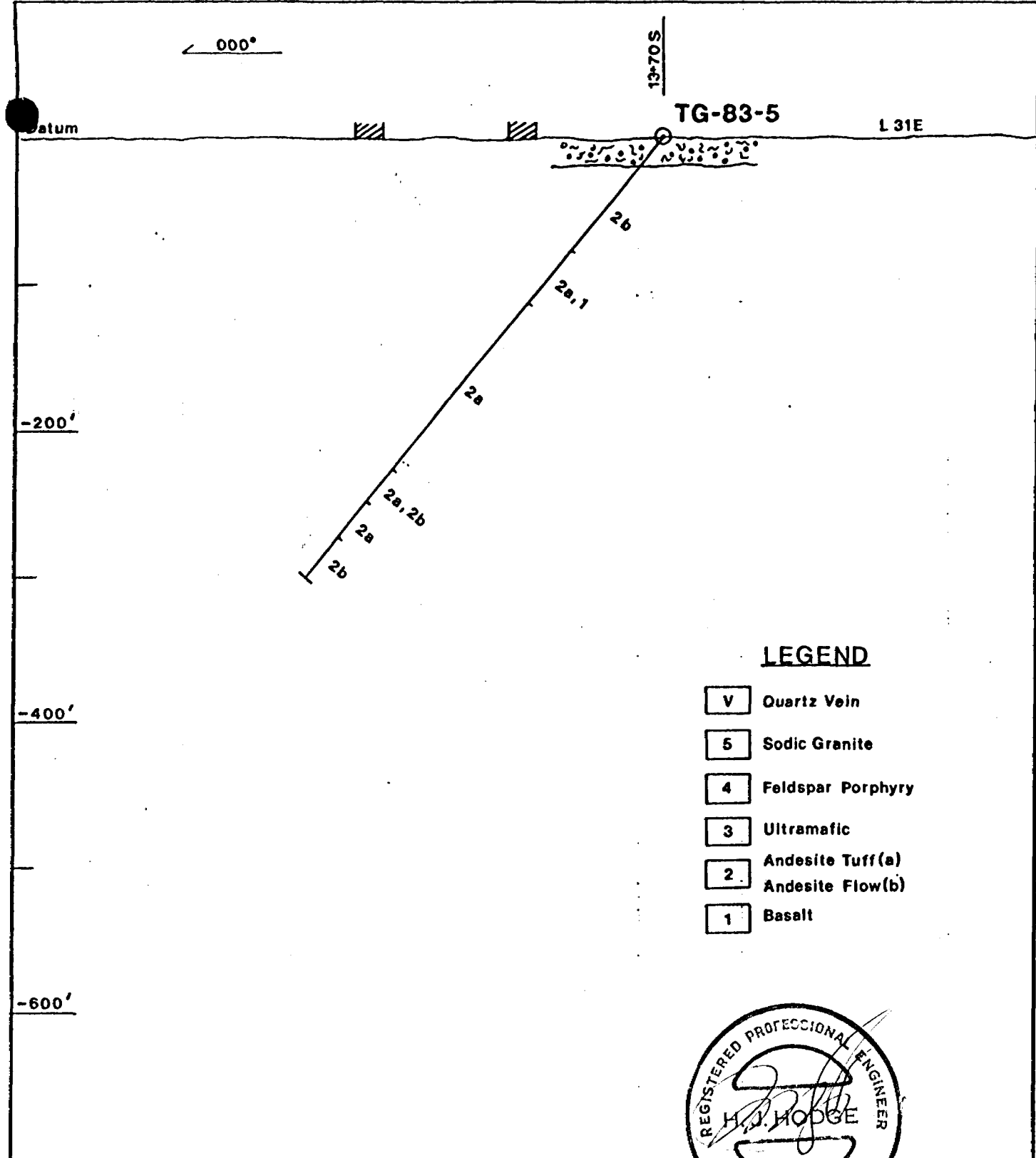
- V Quartz Vein
- 5 Sodic Granite
- 4 Feldspar Porphyry
- 3 Ultramafic
- 2 Andesite Tuff(a)
Andesite Flow(b)
- 1 Basalt

SYMBOLS

- Shear Zone
- Overburden
- VLF Conductor Axis



THOR RESOURCES INC.		
GOGAMA PROPERTY - ONTARIO		
VERTICAL SECTION		
D.D.H TG - 83 - 4		
LOOKING EAST		
Date: Oct. 1983	Scale: 1" = 100'	Drawn by: S.D.T
Author: S. Traynor	Map No.	



LEGEND

- V Quartz Vein
- 5 Sodic Granite
- 4 Feldspar Porphyry
- 3 Ultramafic
- 2 Andesite Tuff (a)
Andesite Flow (b)
- 1 Basalt

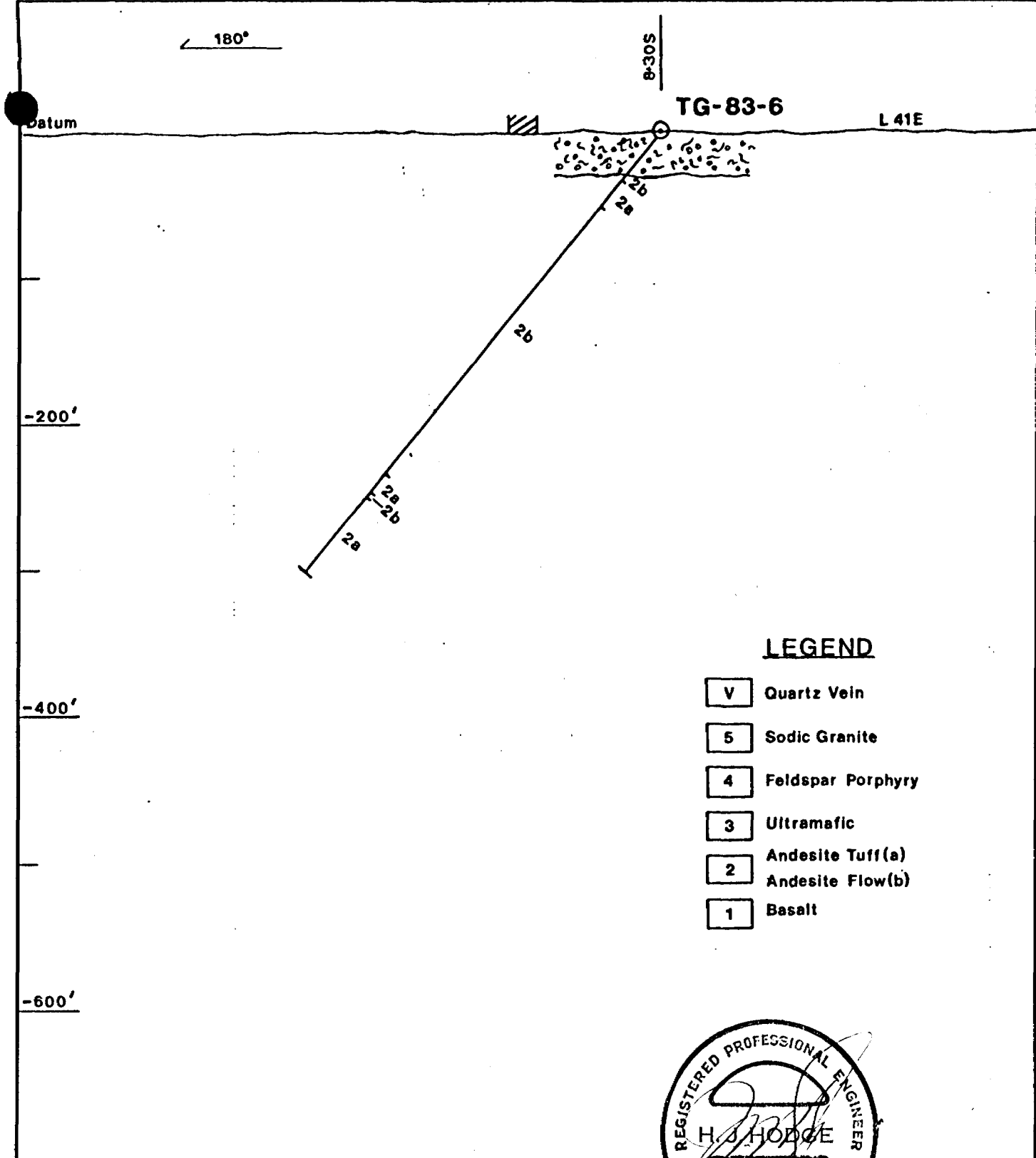
SYMBOLS

- Shear Zone
- Overburden
- VLF Conductor Axis



THOR RESOURCES INC.
GOGAMA PROPERTY-ONTARIO
VERTICAL SECTION
D.D.H TG - 83 - 5
LOOKING EAST

Date: Oct. 1983	Scale: 1" = 100'	Drawn by: S.D.T
Author: S. Traynor	Map No.	



LEGEND

- V Quartz Vein
- 5 Sodic Granite
- 4 Feldspar Porphyry
- 3 Ultramafic
- 2 Andesite Tuff(a)
Andesite Flow(b)
- 1 Basalt

SYMBOLS

- Shear Zone
- Overburden
- VLF Conductor Axis



THOR RESOURCES INC.
GOGAMA PROPERTY-ONTARIO
VERTICAL SECTION
D.D.H TG - 83 - 6
LOOKING WEST

Date: Oct. 1983	Scale: 1" = 100'	Drawn by: S.D.T
Author: S. Traynor	Map No.	

DIAMOND DRILL RECORD

NAME OF PROPERTY Thor-Gogama
 HOLE NO. TG-83-1 LENGTH 258 feet
 LOCATION _____
 LATITUDE 1 + 00N DEPARTURE 4 + 00E
 ELEVATION _____ AZIMUTH 185° DIP -50°
 STARTED Sept. 4, 1983 FINISHED Sept. 5, 1983

HOLE NO. TG-83-1 SHEET NO. 1

REMARKS _____

LOGGED BY S. Traynor

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS		
FROM	TO		NO.	% SULPHIDES	FOOTAGE FROM TO TOTAL	Au in pph		
0	36	CASING INTERMEDIATE VOLCANIC (?), fine grained, grey, very siliceous at times and mixed with abundant sericite (10-15%). Sericite decreases till it disappears about 52 feet. 52 to 63.2, rock becomes less siliceous and more mafic. Now greenish in colour. Minor disseminated pyrite along entire section. CA quite variable.						
36	63.2							
63.2	109	BASALT, fine grained, dark greenish black. Occasional wispy streaks and blebs of a pale olive green mineral, probably olivine were noted. Grainy texture in the rock is probably due to albitization associated with metamorphism. Moderately magnetic nature of the rock is likely due to disseminated magnetite.						
109	258	ANDESITE (TUFF?), fine grained, light to medium green, generally finely banded. Change from basalt is abrupt. Banding at 45d to CA. Brownish mineral, probably biotite noted in places (especially between 149 to about 200 feet), suggesting a mixed provenance for the rock (i.e. sedimentary and volcanic). Quartz vein at 113.6 to 114.9, irregular contact with country rock. Abundant included fragments of andesite. 1% pyrite. 139.9, becomes finer grained and slightly darker in colour. Irregular ¼ inch to ½ inch quartz veins are noted between 133.9 to 141.8. Banding highly distorted from 144.1 to 174.1. Quartz vein at 167.8 to 168.4, remenant inclusions of surrounding greenstone. Mafic dyke at 174.7 to 175.2, dark black, fine grained, strongly magnetic.	6057		113.5	115.1	1.6	10
			6058		167.8	168.5	0.7	14

DIAMOND DRILL RECORD

NAME OF PROPERTY Thor-Gogama

HOLE NO. TG-83-1

SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS		
FROM	TO		NO.	% SULPHIDES	FOOTAGE		Au in ppb	
					FROM	TO	TOTAL	
258		<p>Banding is now more regular. Mafic dyke, as before, at 200.2 to 200.5. Andesite up to 2 feet on either side shows intermittent magnetic character. Quartz vein, 1", at 215.5. Banding now very regular at 50d to CA. 229.2, banding becomes disrupted and numerous irregular wispy veinlets of calcite are noted. Greenish-blue mineral, possibly chlorotoid, noted. Weakly magnetic. Quartz vein, at 252.5 to 252.8, included greenstone and calcite make up about 30%. Disseminated pyrite about 2%. 253.0, banding more regular, but quite diffuse. Calcite veinlets as before. Abundant biotite in places, suggests that some sedimentary material is present.</p> <p>END OF HOLE.</p>						



DIAMOND DRILL RECORD

NAME OF PROPERTY Thor-Gogama
 HOLE NO. TG-83-2 LENGTH 248 feet
 LOCATION _____
 LATITUDE 6 + 85N DEPARTURE 2 + 00E
 ELEVATION _____ AZIMUTH 184° DIP - 50°
 STARTED Sept. 7, 1983 FINISHED Sept. 7, 1983

HOLE NO. TG-83-2 SHEET NO. 1

REMARKS _____

LOGGED BY S. Traynor

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS
FROM	TO		NO.	% SULPHIDES	FOOTAGE FROM TO TOTAL	Au in ppb
0	8.0	CASING				
8.0	8.1	GRANITE, medium grained, pink (probably a boulder in overburden)				
8.1	8.5	QUARTZ VEIN (?), greyish white. Contains green chloritic andesite, a few specks of pyrite. Broken core.	6027		8.1 8.5 0.4	8
8.5	11.9	ANDESITE (TUFF), fine grained, medium grey-green colour. Contains a few small phenocrysts. Finely banded at 40d to CA.				
11.9	14.5	FELDSPAR PORPHYRY, medium grained, greyish white phenocrysts set in a bluish-grey groundmass. Contact at 40d to CA				
14.5	20.3	ANDESITE (TUFF), fine grained, banded rock. Light green bands, alternating with darker green chloritic bands. Minor pyrite is associated with the darker bands. Numerous thin veinlets of waxy yellow to white, quartz, feldspar, calcite and sericite (?) with minor to 2% pyrite are seen parallel to the foliation (shistosity[?]) which is 37d to CA. Slightly carbonated, and weakly magnetic (over 1" to 2") probably due to disseminated pyrrhotite.				
20.3	20.9	FELDSPAR PORPHYRY, as above. Becomes more porphyritic towards lower contact.				
20.9	22.2	ANDESITE, fine grained, medium green colour. Mottled texture.				
22.2	25.1	ANDESITE (TUFF), as above (14.5 to 20.3), except finer banding and fewer veinlets. Banding at 34d to CA.				

DIAMOND DRILL RECORD

 NAME OF PROPERTY Thor-Gogama

 HOLE NO. TG-83-2

 SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS	
FROM	TO		NO.	% SULPHIDES	FOOTAGE		Au in ppb
				FROM	TO	TOTAL	
25.1	43.2	ANDESITE (TUFF), as above, except fragmental texture in places suggests that it is a lapilli tuff.					
43.2	76.7	ANDESITE (TUFF), as before Andesite, as above, at 50.1 to 50.3 and 51.9 to 52.7. Granite vein, fine to medium grained, greyish-green (due to included andesite fragments). Roughly parallel to foliation at 58.5 to 58.8, 59.5 to 59.9, 66.0 to 66.4 and 66.6 to 66.8.					
76.7	88.8	ANDESITE, fine grained, light green colour with mottled texture. Strongly chloritized and moderately carbonated.					
88.8	90.6	ANDESITE (TUFF), as before. Quartz vein at 89.8 to 90.0, contains abundant calcite (~20%) and 2 to 3% hematite which appears as a pinkish-red stain and then completely filling the fracture as it pinches out.					
90.6	94.8	ANDESITE, as before					
94.8	97.5	ANDESITE (FLOW?), as before interbedded with ANDESITE (TUFF), as before.					
97.5	100.9	ANDESITE, as before, except darker green.					
100.9	101.6	ANDESITE, as before.					
101.6	103.2	ANDESITE, DACITE ?, as before, fine grained, greyish-green colour suggesting more quartz. Faintly banded. Contains 1 to 2% disseminated pyrrhotite.					
103.2	110.5	ANDESITE (TUFF), as before. Andesite, as before, at 108 to 108.2 Hematite coated fracture at right angles to foliation, at 106.3, 109.1 and 110.4. Foliation at 33d to CA. Broken core at 105.6 to 106.2.					
110.5	126.8	ANDESITE, as before, interbedded with ANDESITE (TUFF), as before. Tuffaceous (?) material is most abundant overall. 115.4 to 116.3, increase in yellowish coloured mineral (sericite?) that was noted in veinlets at 43.2 to 76.7.					

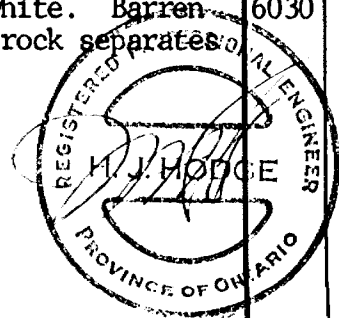
DIAMOND DRILL RECORD

NAME OF PROPERTY Thor-Gogama

HOLE NO. TG-83-2

SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS	
FROM	TO		NO.	% SULPHIDES	FOOTAGE FROM TO TOTAL	Au in ppb		
126.8	131.7	ANDESITE, as before. Foliated at 41d to CA. Broken core at 131.3 to 131.8						
131.7	142.2	ANDESITE (interbedded with tuff), as before.						
142.2	172.9	ANDESITE, as before, except moderately to strongly carbonated. <u>CONDUCTOR-SHEAR ZONE</u> , at 151.3 to 158.7 greyish in colour with very soapy feel. Extreme softness (Hardness 1 to 2 or less) suggests the development of talc. Strong magnetic character of zone is likely due to disseminated pyrrhotite. Shearing along foliation at 43d to CA.	6028		151.2	155	3.8	7
			6029		155	158.7	3.7	4
		DACITE (?) at 170.2 to 172.9, fine grained, greyish in colour.						
172.9	178	ANDESITE, as before. Finely banded at 53d to CA. Porphyritic with medium grained, greyish-white phenocrysts at 176.2 to 177.5.						
178	208	ANDESITE (TUFF), as before, interbedded with 1" to 2" wide greyish-green tuffaceous (?) bands. Moderately carbonated. Tuff is finely banded at 42d to CA. Quartz vein at 184, 1/4" wide contains abundant calcite (~15%) and massive pyrrhotite. Follows banding. Quartz vein at 193.8 to 194, fine grained, white with numerous andesite fragments, otherwise it appears barren.						
208	248	ANDESITE (TUFF), predominately. At times fragmental (lapilli?). Minor amounts of andesite (lava?) which is at times porphyritic. Quartz vein at 228.1 to 228.8, fine grained, cloudy white. Barren except for andesitic fragments. Greyish porphyritic rock separates quartz vein from tuff on both sides.	6030		228	228.9	0.9	12
248		END OF HOLE.						



DIAMOND DRILL RECORD

NAME OF PROPERTY Thor-Cogama
 HOLE NO. TG-83-3 LENGTH 240.5 feet
 LOCATION _____
 LATITUDE 15 + 25N DEPARTURE 16 + 00E
 ELEVATION _____ AZIMUTH 180° DIP -50°
 STARTED Sept. 9, 1983 FINISHED Sept. 10, 1983

HOLE NO. TG-83-3 SHEET NO. 1

REMARKS _____

LOGGED BY S. Traynor

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS	
FROM	TO		NO.	% SULPHIDES	FOOTAGE FROM TO TOTAL	Au in pph	
0	11	CASING					
11	18.4	GRANITE (SODIC), medium grained, greyish. Appears to have intruded along foliation of andesite, therefore it is probably a large vein. Included fragments of andesite appear dark green and are strongly magnetic.					
18.4	54.1	ANDESITE, fine grained, greyish-green (possibly slightly dacitic). Finely foliated (banded?) at 45d to CA. Moderately magnetic between 18.4 and 21.8 due to disseminated minor pyrrhotite. Minor pyrite as well. Granite vein at 19.6 to 20.3, as before except no andesite inclusions. About 22.5, gradual colour change to darker green. Broken core to about 28 feet. 24.5 to 35.5 and 38 to 39.6, numerous small calcite veins, 5% of total rock volume. Quartz vein, 1", at 41.3 and 43.2. Albitized between 43.9 to 46.9					
54.1	54.4	FELDSPAR PORPHYRY, medium grained whitish phenocrysts set in an aphanitic blueish grey groundmass. Contact roughly parallel to andesitic foliation at about 45d to CA.					
54.4	54.8	ANDESITE, as before, except medium green colour.					
54.8	56.8	FELDSPAR PORPHYRY, as before.					
56.8	79.2	ANDESITE, fine grained, medium green, slightly carbonated. Generally shows a weak foliation at 37d to CA.					

DIAMOND DRILL RECORD

 NAME OF PROPERTY Thor-Gogama

 HOLE NO. TG-83-3

 SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS	
FROM	TO		NO.	% SULPHIDES	FOOTAGE		Au in ppb
				FROM	TO	TOTAL	
		Feldspar porphyry, as before. At 57.3 to 57.6 and 57.9 to 58.1 Core angle now 47d at 67 feet after being quite variable between 60 and 67 feet. 72.8 to 79.2, rock greyish in colour, siliceous rich.					
79.2	105.6	ANDESITE (possibly tuffaceous in places), fine grained, greyish-green. Hazy mottled texture that shows diffuse banding at 45d to CA. Slightly more mafic after 97.5. Small irregular calcite veinlets give the rock a moderately carbonated character.					
105.6	119.6	ANDESITE, fine grained, greyish. Appears very siliceous rich (DACITIC?). Grades into more mafic rich rock about 114. Very siliceous again by end of section.					
119.6	149.2	ANDESITE, as before at 79.2 to 105.6. Appears somewhat recrystallized in some sections. Moderately carbonated, becoming strongly carbonated about 130. Weakly magnetic in places, possibly due to disseminated sulfides. Badly broken core from 130.5 to 142.9.					
149.2	175.5	ANDESITE, fine grained, dark green. Well foliated at 30d to CA. Moderately to strongly magnetic till 154 feet due to 5% combined sulfides disseminated throughout the rock, approximately in the direction of the foliation. After 154, only pyrite (1-2%). 158.7 to 162.1, increased silica gives rock a greyish colour. 15-20% pyrite at 159.6 to 159.7 only sulfides in section. 162.1 - disseminated pyrite again present.					
175.5	191	ANDESITE, as before					
191	193.1	ANDESITE, fine grained, greenish. Strongly carbonated and finely banded.					
193.1	240.5	ANDESITE, DACITE (?) (TUFF), fine grained, dark greyish-green. Appears to be highly siliceous. Well banded at 35d to CA. 194.5 to 196.1 and 199.8 to 200.4, ANDESITE, medium green, more mafic than above.					

DIAMOND DRILL RECORD

NAME OF PROPERTY Thor-Gogama

HOLE NO. TG-83-3

SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS	
FROM	TO		NO.	% SULPHIDES	FOOTAGE			Au in ppb
					FROM	TO.	TOTAL	
240.5		Quartz vein at 207.8 to 208.3, no visible mineralization.	6060		207.7	208.4	0.7	45
		CONDUCTOR - Increasing sulfide concentration from minor to massive between 223 to 223.4 Massive pyrite from 223.4 to 223.6. Then about 15% disseminated to semi-massive over next 2.5 feet to 226. About 225 to 240.5, mixed andesite flows (?) and tuffs.	6061		222.9	226.4	3.5	18
		END OF HOLE.						



DIAMOND DRILL RECORD

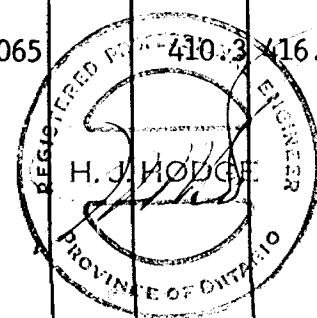
NAME OF PROPERTY Thor-Gogama
 HOLE NO. TG-83-4 LENGTH 458 ft.
 LOCATION _____
 LATITUDE Base line (0 + 00) DEPARTURE 35 + 00E
 ELEVATION _____ AZIMUTH 000° DIP - 50°
 STARTED Sept. 11, 1983 FINISHED Sept. 12, 1983

HOLE NO. TG-83-4 SHEET NO. 1

REMARKS _____

LOGGED BY S. Traynor

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS		
FROM	TO		NO.	% SULPHIDES	FOOTAGE FROM TO TOTAL	Au in ppb		
0	40	CASING						
40	458	Altered ULTRAMAFIC (?), fine grained, greenish-grey with numerous thin quartz stringers. Rock is very soft with soapy feel (talc?) and appears highly altered, possibly due to shearing and/or hydrothermal fluids. No evidence of any primary features or structures. Minor pyrite was noted. Rock is weakly magnetic, becoming moderately to strongly magnetic around 52.0 feet. 48 to 54, rock shows a rusty brown stain that appears associated with a moderate carbonation of the rock. Increased pyrite, up to 2% over short sections. 119.7 to 137, slight increase in felsic material (quartz?) as crystals suspended in more mafic matrix. Rock is sheared (?) at 20d to CA. Still strongly magnetic. 200 to 250, rock still essentially the same except whitish (felsic) mineral is finer grained. 250 to 300, Quartz stringers up to 1/4 inch in some places, resulting in minor silicification. Still strongly magnetic. Only sulfides noted was a small greyish metallic speck within one quartz stringer (galena?), 296 ft. 300 to 408, little or no change from before. 408 to 417, abundant quartz (20 to 30% overall) in 1/2 inch to 1 inch irregular veins. Mafic matrix takes on a light greyish colour due to saturation with quartz. Greyish mineral again noted. Less magnetic due to quartz. Quartz content variable, but less than above, over rest of hole. Small veinlets, generally about 1/8 inch or less.	6062		48.0	53.5	5.5	5
			6063		53.5	59.0	5.5	4
			6064		294.2	296.7	2.5	8
			6065		410.3	416.7	6.4	70
		END OF HOLE.						



DIAMOND DRILL RECORD

NAME OF PROPERTY Thor-Gogama
 HOLE NO. TG-83-5 LENGTH 398 ft.
 LOCATION _____
 LATITUDE 13 + 70S DEPARTURE 31 + 00E
 ELEVATION _____ AZIMUTH 000° DIP - 50°
 STARTED Sept. 14, 1983 FINISHED Sept. 15, 1983

HOLE NO. TG-83-5 SHEET NO. 1

REMARKS _____

LOGGED BY S. Traynor

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS
FROM	TO		NO.	% SULPHIDES	FOOTAGE FROM TO TOTAL	Au in ppb
0	26	CASING				
26	26.4	OVERBURDEN MATERIAL				
26.4	102.4	INTERMEDIATE VOLCANIC (?), fine grained, grey, very altered. Mostly sericitization and silicification, no indication of original rock. Quartz vein at 28.7 to 29.2, minor pyrite and possibly arsenopyrite noted, as well as inclusions of country rock. Some sections are highly sericitized, on such section (46 to 50 ft.) showed abundant quartz as irregular veins. Rusty weathering indicates oxidation of sulfides, probably pyrite. Broken core till about 73 feet. Fine banding suggests possible tuffaceous nature. Banding at 79.0 is 4d to CA. May also contain some sedimentary material. 96.0, variation in grain size suggests some of the material may be lapilli tuff.	6066		28.6 29.6 1.0	29
			6067		45.6 50.6 5.0	8
102.4	149.9	INTERBANDED INTERMEDIATE (?) TO MAFIC TUFFS, very fine grained greyish black ash (?) tuffs (flows?) interbedded with coarser (fine) grained lapilli tuffs. Quartz vein zone at 105.7 to 106.9, numerous irregular veinlets with minor pyrite. Quartz vein, 2", at 115, appears as above.	6068		105.5 107 1.5	5
149.9	300.9	SERICITIZED TUFF (INTERMEDIATE ?, FELSIC?), fine grained, bleached olive green colour. Finely banded at 58d to CA. Minor pyrite	6069		151.7 153.1 1.4	3

DIAMOND DRILL RECORD

NAME OF PROPERTY Thor-Gogama

HOLE NO. TG-83-5

SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS		
FROM	TO		NO.	% SULPHIDES	FOOTAGE		Au in ppb	
				FROM	TO	TOTAL		
		noted. A greenish-blue mineral (?) was noted in some sections as small streaks. Fracture zone with quartz veining at 152 to 152.8 Sample 6070 and 6072 contain section with greenish-blue mineral present.	6070		161	166	5.0	3
		Quartz vein zone at 173.5 to 174.1, irregular veins with black mineral in fractures (possibly tourmaline).	6071		173.3	174.3	1.0	74
		Banding at 200 feet is 60d to CA.	6072		189.2	194.2	5.0	18
		201.5 to 209, rock has a greyish colour. Contact at each end is gradational, so it either represents a slightly compositional change during deposition and/or less alteration 258, banding at 63d to CA.						
		Possible arsenopyrite (minor specks) between about 268 to 287, numerous colour variation noted over short sections, some suggestive of potassic alteration.	6073		274.6	279.6	5.0	10
		Banding at 69d to CA at 285 feet.	6074		279.6	284.6	5.0	55
300.9	329.5	INTERMEDIATE FELSIC (?) VOLCANIC, fine grained, greenish-grey. Mottled texture. Occasional banding suggests interbedding of some tuffaceous material. Minor sericitization, also silicification Quartz rich zone from 302.5 to 306.8. Quartz vein, 1" to 309.	6075		302.3	307.3	5.0	10
329.5	362.6	SERICITIZED TUFF, as before. Banding at 348 feet is 68d to CA. Quartz vein zone, at 360.2 to 363.6, irregular quartz veins 1/2 inch to 1 inch.	6076		360.0	362.7	2.7	12
362.6	398	INTERMEDIATE, FELSIC (?) VOLCANIC, as before, except more sericite in some sections.	6077		388.4	393.4	5.0	21
398		END OF HOLE.						



DIAMOND DRILL RECORD

NAME OF PROPERTY Thor-Gogama
 HOLE NO. TG-83-6 LENGTH 399 feet
 LOCATION _____
 LATITUDE 8 + 30S DEPARTURE 41 + 00E
 ELEVATION _____ AZIMUTH 180° DIP -50°
 STARTED Sept. 17, 1983 FINISHED Sept. 19, 1983

HOLE NO. TG-83-6 SHEET NO. 1

REMARKS _____

LOGGED BY S. Traynor

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS		
FROM	TO		NO.	% SULPHIDES	FOOTAGE		Au in pph	
					FROM	TO		TOTAL
0	38	CASING						
38	38.5	Pieces of boulder from overburden.						
38.5	43.7	ANDESITE (?), mottled mixture of whitish quartz and remenant host rock which is highly sericitized. Minor pyrite was noted. Few flecks of purplish mineral (fluorite?).						
43.7	44.5	ANDESITE (TUFF?), some evidence of original banding, although rock is moderately to strongly sericitized with some silicification. Banding is irregular and distorted.						
44.5	67.8	ANDESITE (TUFF), fine grained, light pale green rock. Highly altered, almost 100% sericite, appears to have replaced original rock. Fine banding suggests tuff. Banding shows very complex folding, at least two stages. 48.0, gradual decrease in sericite over next 10 feet. Fine grained, dark green chloritic rock probably represents original rock. Thin thready quartz veinlets were noted. The changes over the first 50 feet indicate strongly altering fluids have "soaked" the rock and that degree of alteration depends on distance from main channelway.						
67.8	71.1	Seriticized ANDESITE, transition zone of partially altered andesite to highly sericitized rock. Some silicification also evident.						
71.1	118	ANDESITE (?), highly altered zone as at 38.5 to 43.7 except at 82.0 silica content increases and free quartz is noted. Fluorite (purple mineral) present from start of zone. Minor pyrite. Breccia zone, at 88.1 to 88.3, with abundant angular fragments	6031		88.3	93.3	5	14
			6032		93.3	98.3	5	104
			6033		98.3	103.3	5	40
			6034		103.3	108.3	5	19
			6035		108.3	113.3	5	29

DIAMOND DRILL RECORD

 NAME OF PROPERTY Thor-Gogama

 HOLE NO. TG-83-6

 SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS	
FROM	TO		NO.	% SULPHIDES	FOOTAGE			Au in ppb
					FROM	TO	TOTAL	
		of surrounding country rock set in a blackish-grey groundmass. <u>Arsenopyrite</u> , first noted at 89.3, small flecks up to 1/8 inch to 1/4 inch sub to euhedral crystals by 90.5. Found associated with quartz. Quartz rich zone, 93.4 to 118, abundant quartz, very little sericitized rock. Pink brown coloration suggests that the fluids are potassic rich.	6036		113.3	118.3	5	16
118	136.9	Sericitized ANDESITE mixed with abundant potassic rich fluids. Quartz rich zones up to a few inches are present and contain arsenopyrite, up to 1 to 2% in places.	6037		118.3	123.3	5	10
			6038		123.3	128.3	5	18
			6039		128.3	133.3	5	18
			6040		133.3	138.3	5	12
136.9	149.4	ANDESITE, fine grained, green, highly fractured and occasionally brecciated with dark greyish black material as matrix and filling fractures, as before. Still quite sericitized and silicified. This zone may explain the conductor.						
149.4	159.1	Sericitized ANDESITE, as before. 154.5 to end of section, rock contains numerous 1/4" irregular quartz veins.						
159.1	187.4	ANDESITE (?), fine grained, yellowish grey. Not as sericitized as before, but now quite silicified. After about 169, rock is dominately silicified. Minor pyrite noted. Well defined banding suggests rock may have originally been a tuff. May be mixed with lavas at times.						
187.4	311.3	Sericitized ANDESITE, as before at 38.5 to 43.7. Minor pyrite and fluorite associated with quartz. Some discoloration suggesting potassic fluids are still present at this depth. After 205.5, pinkish brown discoloration associated with the fluids is not seen, although the rock is still strongly sericitized and occasional quartz stringers with fluorite and pyrite are noted.	6041		191.4	196.4	5	4
			6042		201.2	205	3.8	14

DIAMOND DRILL RECORD

 NAME OF PROPERTY Thor-Gogama

 HOLE NO. TG-83-6

 SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS	
FROM	TO		NO.	% SULPHIDES	FOOTAGE		Au in ppb
				FROM	TO	TOTAL	
		229.6 - coloration indicative of potassic fluids is again evident, in addition to some silicification Arsenopyrite at 240.2, a few small specks. After 246 reduction in potassic alteration, sericitization still pervasive. 254.9 to 263, altered as above at 229.6, arsenopyrite noted between 258 and 260.4. Fluorite also noted. After 263, grades back to sericitized andesite as before, except with 1/4" quartz veins. 279, again becoming potassic rich, minor arsenopyrite noted between 281.2 to 293.5, fluorite and pyrite also noted. 301.2, pervasively altered with minor arsenopyrite.	6043	230.7	235.7	5	5
			6044	235.7	240.7	5	21
			6045	240.7	245.7	5	16
			6046	254.8	259.8	5	23
			6047	259.8	264.8	5	55
			6048	264.8	269.8	5	47
			6049	269.8	274.8	5	195
			6050	274.8	279.8	5	22
			6051	279.8	284.8	5	243
			6052	284.8	289.8	5	186
311.3	327.3	ANDESITE (TUFF), as before at 44.5 to 67.8, banded at 48d to CA.	6053	289.8	294.8	5	404
			6054	294.8	299.8	5	10
			6055	299.8	304.8	5	16
327.3	333.1	ANDESITE, fine grained, light greyish-green, massive. May be intermixed flow and tuffaceous material. Highly sericitized still.	6056	304.8	311.4	6.6	25
333.1	387.2	LAPILLI TUFF ANDESITIC (?), greenish in color often with yellowish fragments. Rock shows stretching (possible shearing), fragments grade from coarse grained to finer grained down the hole. Foliation (?) is variable between 40 to 80d to CA. Minor pyrite.					
387.2	399	ANDESITE (TUFF?), fine grained, interbanded light and darker green. Contact with above unit at 60d to CA. Still quite sericitic, more though along certain bands.					
399		END OF HOLE.					





BELL-WHITE ANALYTICAL LABORATORIES LTD.

P.O. BOX 187

HAILEYBURY ONTARIO

TEL: 672-3107

Certificate of Analysis

NO. B449-83A

DATE: August 12, 1983

SAMPLE(S) OF: Soils(60)

RECEIVED: August, 1983

SAMPLE(S) FROM: Mr. S. Traynor, Geocanex.

<u>Sample No.</u>	<u>Gold ppb</u>	<u>Sample No.</u>	<u>Gold ppb</u>
TG 5001	36	TG 5031	6
2	18	2	2
3	2	3	2
4	28	4	14
5	26	5	4
6	34	6	4
7	20	7	4
8	22	8	2
9	2	9	4
TG 5010	22	TG 5040	6
1	20	1	8
2	4	2	6
3	8	3	8
4	12	4	2
5	12	5	8
6	14	6	6
7	36	7	14
8	26	8	4
9	22	9	4
TG 5020	14	TG 5050	6
1	4	1	12
2	22	2	6
3	16	3	12
4	20	5055	14
5	38	6	10
6	36	7	8
7	20	8	18
8	16	9	8
9	8	TG 5060	22
TG 5030	4	1	12

IN ACCORDANCE WITH LONG ESTABLISHED NORTH AMERICAN CUSTOM UNLESS IT IS SPECIFICALLY STATED OTHERWISE GOLD AND SILVER VALUES REPORTED ON THESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENSATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS

BELL-WHITE ANALYTICAL LABORATORIES LTD.

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P.O. BOX 187.

HAILEYBURY, ONTARIO

TEL: 672-3107

Certificate of Analysis

NO. B501-83

DATE: August 22, 1983

SAMPLE(S) OF: Soil (75)

RECEIVED: August, 1983

SAMPLE(S) FROM: Mr. Steve Traynor
Geocanex

RE: Thor-Gogama Project

<u>Sample No.</u>	<u>Gold/ppb</u>	<u>Sample No.</u>	<u>Gold/ppb</u>	<u>Sample No.</u>	<u>Gold/ppb</u>
TG5062	4	TG5090	4	TG5116	2
3	2	TG5092	2	7	2
4	2	3	6	8	2
5	2	4	4	9	2
6	2	5	10	TG5120	2
7	2	6	8	1	2
8	6	7	6	2	2
TG5070	6	8	6	3	4
TG5073	6	9	4	4	4
4	10	TG5100	10	5	10
5	10	1	4	6	10
6	2	2	2	7	2
7	2	3	4	8	6
8	4	4	2	9	4
9	4	5	2	TG5130	2
TG5080	2	6	6	1	2
1	2	7	2	2	2
2	6	8	10	3	4
3	6	9	8	4	4
4	10	TG5110	4	5	6
5	8	1	2	6	10
6	4	2	10	7	8
7	8	3	10	8	4
8	6	4	2	9	2
9	4	5	2	TG5140	2

IN ACCORDANCE WITH LONG-ESTABLISHED NORTH AMERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED OTHERWISE GOLD AND SILVER VALUES REPORTED ON THESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENSATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.

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HAILEYBURY, ONTARIO

TEL: 672-3107

Certificate of Analysis

NO. B540-83

Page 1 of 2

DATE: August 26, 1983

SAMPLE(S) OF: Soils(104)

RECEIVED:

SAMPLE(S) FROM: Mr. S. Traynor, Geocanex Ltd.

<u>Sample No.</u>	<u>Gold ppb</u>	<u>Sample No.</u>	<u>Gold ppb</u>
TG-S141	6	TG-S168	6
2	12	9	12
3	6	TG-S170	6
4	6	1	6
5	12	2	6
6	4	3	2
7	6	4	12
8	4	5	10
9	14	6	16
TG-S150	12	7	6
1	6	8	6
2	12	9	6
3	6	TG-S180	4
4	4	1	16
5	6	2	16
6	4	3	8
7	12	4	16
8	2	5	2
9	9	6	2
TG-S160	2	7	2
1	2	8	2
2	6	9	6
3	4	TG-S190	8
4	2	1	4
5	20	2	6
6	18	3	4
7	6	4	16

Cont'd...

IN ACCORDANCE WITH LONG-ESTABLISHED NORTH AMERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED OTHERWISE GOLD AND SILVER VALUES REPORTED ON THESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENSATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.

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P.O. BOX 187.

HAILEYBURY, ONTARIO

TEL: 672-3107

Certificate of Analysis

NO. B540-83

Page 2 of 2

DATE: August 26, 1983

SAMPLE(S) OF: Soils(104)

RECEIVED: August, 1983

SAMPLE(S) FROM: Mr. S. Traynor, Geocanex Ltd.

<u>Sample No.</u>	<u>Gold ppb</u>	<u>Sample No.</u>	<u>Gold ppb</u>
TG-S195	8	TG-S219	4
6	12	TG-S220	2
7	6	1	2
8	16	2	2
9	2	3	2
TG-S200	4	4	8
1	6	5	4
2	6	6	6
3	2	7	4
4	4	8	2
5	4	9	2
6	4	TG-S230	6
7	2	1	4
8	10	2	4
9	2	3	2
TG-S210	2	4	2
1	2	5	6
2	6	6	4
3	2	7	2
4	2	8	6
5	2	9	2
6	10	TG-S240	2
7	4	1	2
8	4	2	2
		3	6
		4	4

IN ACCORDANCE WITH LONG-ESTABLISHED NORTH AMERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED OTHERWISE GOLD AND SILVER VALUES REPORTED ON THESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENSATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.

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HAILEYBURY, ONTARIO

TEL: 672-3107

Certificate of Analysis

NO. B653-83

DATE: September 23, 1983

SAMPLE(S) OF: Soil (17)

RECEIVED: August, 1983

SAMPLE(S) FROM: Mr. S. Traynor
Geocanex Limited

<u>Sample No.</u>	<u>Gold/ppb</u>
TGS-245	4
-246	4
-247	4
-248	4
-249	4
TGS-250	4
-251	2
-252	2
-253	2
-254	4
-255	4
-256	2
-257	2
-258	4
-259	2
TGS-260	2
-261	8

IN ACCORDANCE WITH LONG-ESTABLISHED NORTH AMERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED OTHERWISE GOLD AND SILVER VALUES REPORTED ON THESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENSATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.

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P.O. BOX 187.

HAILEYBURY, ONTARIO

TEL: 672-3107

Certificate of Analysis

NO. B429-83A

DATE: August 8, 1983

SAMPLE(S) OF: Rock (5)

RECEIVED: August, 1983

SAMPLE(S) FROM: Mr. H. J. Hodge
Geocanex Ltd.

<u>Sample No.</u>	<u>Gold/ppb</u>
6001	32
2	7
3	3
4	4
5	11

IN ACCORDANCE WITH LONG-ESTABLISHED NORTH AMERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED OTHERWISE GOLD AND SILVER VALUES REPORTED ON THESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENSATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.

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HAILEYBURY, ONTARIO

TEL: 672-3107

Certificate of Analysis

NO. B483-83A

DATE: August 18, 1983

SAMPLE(S) OF: Rock(10)

RECEIVED: August, 1983

SAMPLE(S) FROM: Mr. S. Traynor, Geocanex Limited.

<u>Sample No.</u>	<u>Gold ppb</u>
6006	372
6007	359
6008	119
6009	58
6010	285
6011	255
6012	15
6013	77
6014	21
6015	14

IN ACCORDANCE WITH LONG-ESTABLISHED NORTH AMERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED OTHERWISE GOLD AND SILVER VALUES REPORTED ON THESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENSATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS

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P.O. BOX 187.

HAILEYBURY, ONTARIO

TEL: 672-3107

Certificate of Analysis

NO. B503-83

DATE: August 22, 1983

SAMPLE(S) OF: Rock (11)

RECEIVED: August, 1983

SAMPLE(S) FROM: Mr. Steve Traynor
Geocanex Limited

Re: Thor-Gogama Project

<u>Sample No.</u>	<u>Gold/ppb</u>
6016	4
7	8
8	7
9	11
6020	10
1	51
2	59
3	144
4	18
5	5
6	10

IN ACCORDANCE WITH LONG-ESTABLISHED NORTH AMERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED OTHERWISE GOLD AND SILVER VALUES REPORTED ON THESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENSATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.

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BELL - WHITE ANALYTICAL LABORATORIES LTD.

P.O. BOX 187,

HAILEYBURY, ONTARIO

TEL: 672-3107

RECEIVED
OCT 5 1983
Ans'd.....

Certificate of Analysis

NO. B700-83

DATE: October 4, 1983

SAMPLE(S) OF: Core (51)

RECEIVED: October, 1983

SAMPLE(S) FROM: Mr. Steve Traynor
Geocanex Ltd.

<u>Sample No.</u>	<u>Gold/ppb</u>	<u>Sample No.</u>	<u>Gold/ppb</u>
6027	8	6053	404
8	7	4	10
9	4	5	16
6030	12	6	25
1	14	7	10
2	104	8	14
3	40	9	12
4	19	6060	45
5	29	1	18
6	16	2	5
7	10	3	4
8	18	4	8
9	18	5	70
6040	12	6	29
1	4	7	8
2	14	8	5
3	5	9	3
4	21	6070	3
5	16	1	74
6	23	2	18
7	55	3	10
8	47	4	55
9	195	5	10
6050	22	6	12
1	243	7	21
2	186		

IN ACCORDANCE WITH LONG-ESTABLISHED NORTH AMERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED OTHERWISE GOLD AND SILVER VALUES REPORTED ON THESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENSATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.

BELL-WHITE ANALYTICAL LABORATORIES LTD.

PER



41P12SE0509 2.6247 GROVES

900

1984 08 31

Our File: 2.6247

Bruce W. Hanley
Mining Recorder
Ministry of Natural Resources
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Dear Sir:

RE: Geological and Geochemical Survey on Mining
Claims P 573087 et al in the Townships of
Groves and St. Louis

The Geological and Geochemical Survey assessment work
credits as shown on the attached statement 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) 965-0488

S. Hurst:mc

cc: Thor Resources Inc
Suite #3
12 Judge Avenue
North Bay, Ontario
P1A 1B2

Encl.

**Technical Assessment
Work Credits**

File **2.6247**

Date **1984 08 31**

Mining Recorder's Report of
Work No.

NO REPORT OF WORK FILED

Recorded Holder THOR RESOURCES INC
Township or Area TOWNSHIPS OF GROVES AND ST. LOUIS

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 _____ 20 days Geochemical _____ days Man days <input type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input checked="" type="checkbox"/> Ground <input checked="" 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.	P 574774-75 602917-20 648819-20

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:
828 (83/6)

1984 01 12

Our File: 2.6247

Mr. Bruce Hanley
Mining Recorder
Ministry of Natural Resources
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Dear Sir:

We have received reports and maps for a Geological and Geochemical Survey submitted under Special Provisions (credit for Performance and Coverage) on Mining Claims P 573087 et al in the Townships of Groves and St. Louis.

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

We do not have a copy of the report of work which is normally filed with you prior to the submission of this technical data. Please forward a copy as soon as possible.

Yours very truly,

J.R. Morton
Acting Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone:(416)965-1380

M.E. Anderson:mc

cc: Thor Resources Inc
Suite #3
12 Judge Avenue
North Bay, Ontario
P1A 1B2

cc: ~~Ge~~hoganex Ltd
Suite 700
11 Adelaide Street West
Toronto, Ontario
M5H 1L9



Mining Lands Comments

- missing report of work -
 - require cancelled cheques and receipts for diamond d

To: Geophysics

Comments

Approved Wish to see again with corrections Date Signature

To: Geology - Expenditures Mr. C Kustra

Comments

Approved Wish to see again with corrections Date Jan 20 / 84 Signature C Kustra

To: Geochemistry Dr Fortescue

Summary O.K. but not sufficient coverage
 of all claims for special provisions. **LO**

Approved Wish to see again with corrections Date 30/1/84 Signature JAC Fortescue

Initial Check

January 16, 84 M. Anderson.

Assessed

Approved Reports of Work
sent out

Notice of Intent filed

Approval after Notice of Intent
sent out

Duplicate sent to Resident
Geologist

Duplicate sent to A.F.R.O.

700-10 MAIN OFFICE
Adelaide St. W.
Toronto, Ontario
M5H 1L9
Tel. (416) 363-4376



FIELD OFFICE
No. 8 - 12 JUDGE AVE.
NORTH BAY, ONT. P1A 1B2
TEL. (705) 474-7542

GEOFYSICAL AND GEOLOGICAL CONTRACT SERVICES

January 6th, 1984

Mr. J.C. Smith
Supervisor, Mining Lands Section
Ministry of Natural Resources
Room 6450, Whitney Block
99 Wellesley St. West
Toronto, Ontario
M7A 1W3

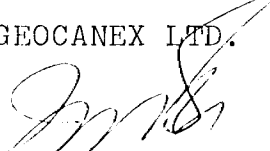
Dear Mr. Smith,

On behalf of Thor Resources Inc. I hereby submit two (2) copies of my report covering geological mapping, geochemical soil sampling, prospecting and diamond drilling over its property in Groves and St. Louis Townships, Gogama Area, Porcupine Mining Division.

I trust that this report and completed work report forms satisfactorily fulfill your requirements for the assessment work as claimed.

Yours very truly,

GEOCANEX LTD.


H.J. Hodge P.Eng.
Secretary-treasurer

HJH/jmh
Encls.

c.c. Thor Resources Inc.

RECEIVED

JAN 6 1984

MINING LANDS SECTION

4142

HURRIER CURRIER



299 - 7400

HURRIER CURRIER LIMITED

① FROM/DE

Geocomex Ltd
100-11 Adelaide St W
Toronto M5H 1L9

X

① TO/A

Mr. G. C. Smith
Ministry of Natural Res.
Room 6455, Whitney Bldg.
99 Willesey St W
TORONTO M7A 1N3

X

<p>IMPORTANT CARRIER'S LIABILITY. THIS PICK UP/DELIVERY STRICTLY SUBJECT TO THE CONDITIONS ON THE REVERSE SIDE HEREOF WHICH SHALL APPLY TO ALL TRANSACTIONS BETWEEN THIS CARRIER, ITS DIVISIONS AND ITS CLIENTS.</p> <p>IMPORTANT RESPONSABILITE DES MESSAGERIES. CETTE CVELLETTE/IMPORANT RESPONSABILITE ABSOLUTTE AUX DISPOSITIONS A L'EN DOS DES PRESENTES LESQUELLES S'APPLIQUERONT TOUTES TRANSACTIONS ENTRE CETTE MESSAGERIE DES DIVISIONS ET SES CLIENTS</p>	DATE	DY./JN.	MO.	YR./AN
	ROUND TRIP ALLER RETOUR <input type="checkbox"/>	X		
	BASIC	\$.	.
	OVERNITE	\$.	.
	HOTSHOT	\$.	.
	NITE	\$.	.
	DROP OFF	\$.	.
	CLIENT PREPYMT	\$.	.
	EXTRA STOPS	\$.	.
	WEIGHT KG	6	.	.
W/TIME M N D	\$.	.	
COURIER ①	PCS	COURIER ①	TOTAL CHARGE TOTALE	\$
601	1			

24 HOURS A DAY
SERVICE DE 24 HEURES

7 DAYS A WEEK
7 JOURS PAR SEMAINE



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) Geological, Geochemical
Township or Area Groves and St. Louis Twps.
Claim Holder(s) Thor Resources Inc.

Survey Company Geocanex Ltd.
Author of Report H.J. Hodge P.Eng.
Address of Author 700-11 Adelaide St. West Toronto
Covering Dates of Survey July 17-Sept. 24, 1983
(linecutting to office)
Total Miles of Line Cut _____

MINING CLAIMS TRAVERSED
List numerically

P 573087
.....
..... (prefix) (number)
..... 573088 ✓
..... 574774
..... 574775
..... 602917
..... 602918
..... 602919
..... 602920
..... 602921
..... 602922
..... 602923
..... 602924
..... 602925
..... 648819
..... 648820
..... 698494

If space insufficient, attach list

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

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

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

DATE: January 4, 1984 SIGNATURE: [Signature]
Author of Report or Agent

Res. Geol. _____ Qualifications Anal 7.3812

Previous Surveys

File No.	Type	Date	Claim Holder
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

TOTAL CLAIMS 18

OFFICE USE ONLY

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 8 claims

Total Number of Samples 256

Type of Sample soil

(Nature of Material)

Average Sample Weight 2 lbs.

Method of Collection shovel

Soil Horizon Sampled 'B', 'C'

Horizon Development fair to good

Sample Depth 3" to 12"

Terrain flat to moderate relief

Drainage Development good

Estimated Range of Overburden Thickness 0-50'

SAMPLE PREPARATION

(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis 80

General _____

ANALYTICAL METHODS

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

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

Others gold

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 Bell-White

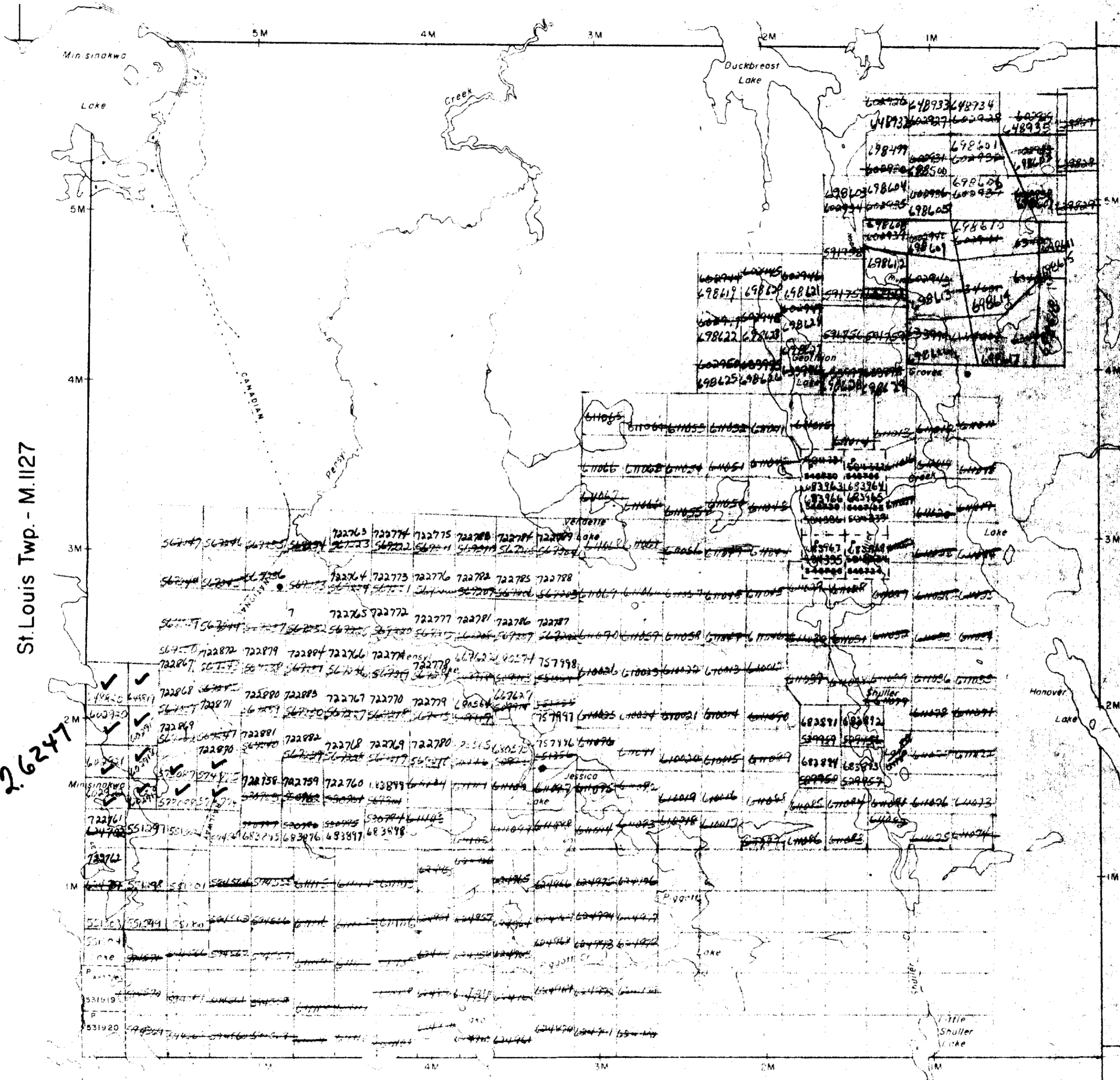
Extraction Method _____

Analytical Method Fire plus AA

Reagents Used _____

General _____

Noble Twp - M.1026



St. Louis Twp - M.1127

Brunswick Twp - M.684

Champagne Twp - M.712

THE TOWNSHIP OF
GROVES

DISTRICT OF SUDBURY

PORCUPINE MINING DIVISION

SCALE 4-INCH = 40 CHAINS

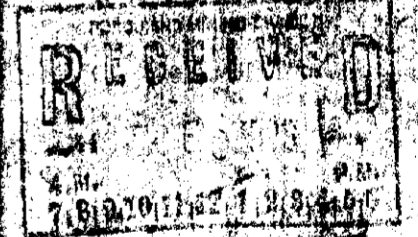
DISPOSITION OF CROWN LANDS

PATENT	SURFACE AND MINING RIGHTS	■
	SURFACE RIGHTS ONLY	■
	MINING RIGHTS ONLY	■
LEASE	SURFACE AND MINING RIGHTS	■
	SURFACE RIGHTS ONLY	■
	MINING RIGHTS ONLY	■
LICENCE OF OCCUPATION		■
ROADS		■
IMPROVED ROADS		■
KING'S HIGHWAYS		■
RAILWAYS		■
POWER LINES		■
MARSH OR MURK		■
MINES		■
CANCELLED		■

NOTES

400 Surface Rights Reservation does not affect the charge of all lakes and rivers.

Mineral Rights - 400 Surface Rights Reservation does not affect the title to Mineral Resources. File 100705.



DATE OF ISSUE
MAR 23 1984
MINISTRY OF NATURAL RESOURCES
TORONTO

PLAN NO. M.898

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

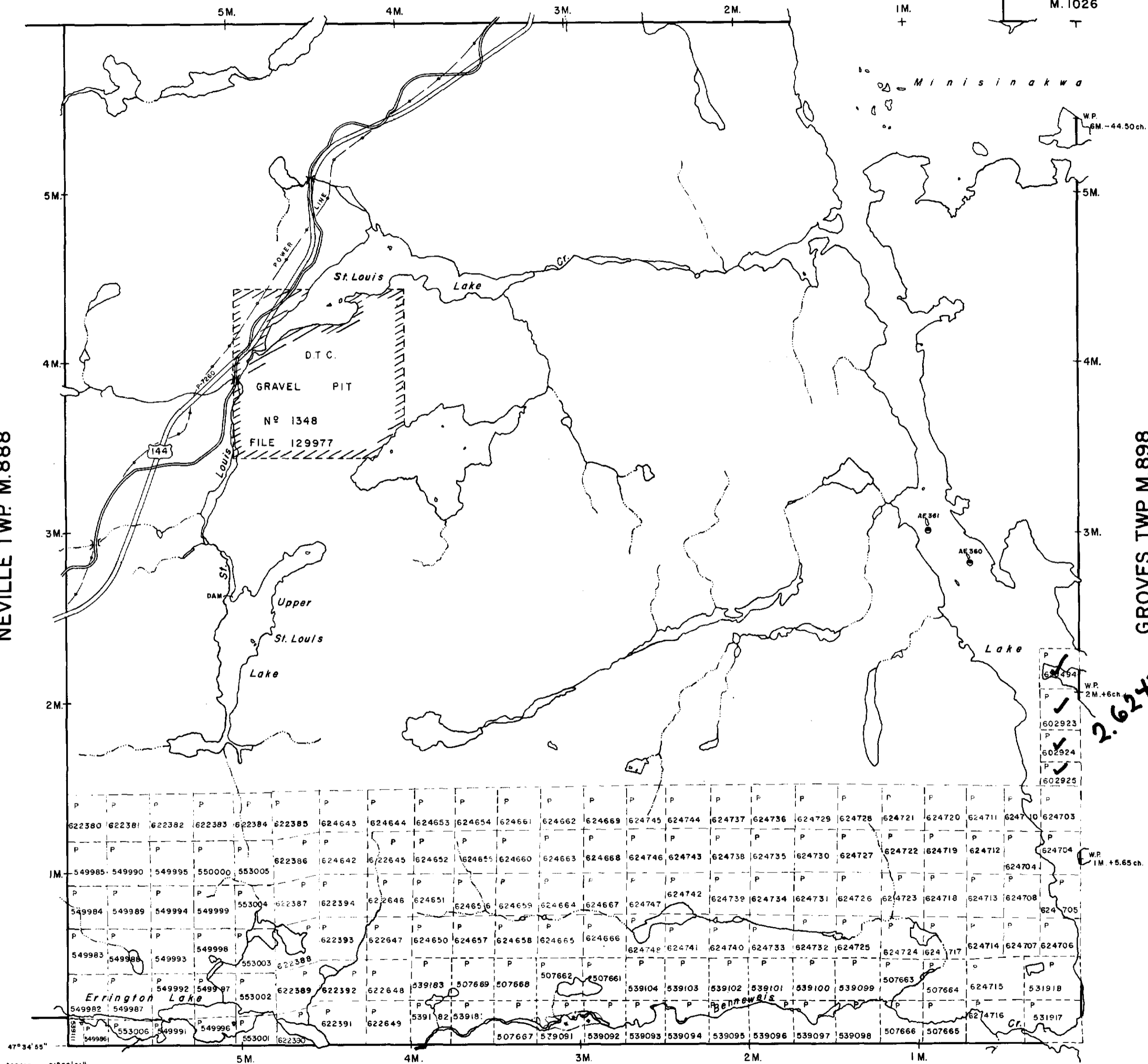


JACK TWP. M.954

NOBLE TWP.
M. 1026

NEVILLE TWP. M.888

GROVES TWP. M.898



47°34'55"
Approx. 81°50'51"

BENNEWEIS TWP. M.658

NOTES

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

DATE OF ISSUE
MAR 28 1991
Ministry of Natural Resources
TORONTO

LEGEND

- PATENTED LAND Ⓟ or *
- PATENTED FOR SURFACE RIGHTS ONLY Ⓟ
- LEASE Ⓛ
- LICENSE OF OCCUPATION L.O.
- CROWN LAND SALES C.S.
- LOCATED LAND Loc.
- CANCELLED C.
- MINING RIGHTS ONLY M.R.O.
- SURFACE RIGHTS ONLY S.R.O.
- HIGHWAY & ROUTE NO. 17
- ROADS —
- TRAILS - - -
- RAILWAYS =
- POWER LINES —+—
- MARSH OR MUSKEG ~
- MINES *

*used only with summer resort locations or when space is limited

TOWNSHIP OF

ST. LOUIS

DISTRICT OF
SUDBURY

PORCUPINE
MINING DIVISION

SCALE : 1 INCH -- 40 CHAINS (1/2 MILE)

DR. K.K.I

DATE JAN. '72

PLAN NO. M.1127

ONTARIO

MINISTRY OF NATURAL RESOURCES

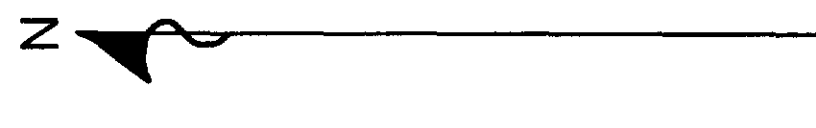
SURVEYS AND MAPPING BRANCH



41P125E8583 2.6247 GROVES

SAMPLING RESULTS

SAMPLE NO.	SAMPLE DESCRIPTION	WIDTH	GOLD (in ppb)
6001	chip sample - pyritic schist	8 ft	32
6002	"	3 ft	7
6003	"	30 ft	3
6004	"	4 ft	4
6005	"	4 ft	11
6006	grab - shear zone	5 ft	32
6007	chip - sericite schist	5 ft	32
6008	chip - quartz vein	5 ft	11
6009	chip - siliceous schist	5 ft	58
6010	chip - "	11 ft	28
6011	chip - " - sheared schist	2.5 ft	26
6012	chip - " - quartz vein	5 ft	15
6013	chip - " - sericite schist	5 ft	77
6014	chip - " - quartz vein	5 ft	21
6015	chip - " - sericite schist	5 ft	14
6016	chip - " - sericite schist	5 ft	4
6017	chip - " - shear zone	5 ft	6
6018	grab - fracture w pyrite	5 ft	7
6019	chip - diabase dike	1 ft	11
6020	chip - shear zone	1 ft	10
6021	grab - quartz vein	1 ft	91
6022	"	"	58
6023	"	"	144
6024	"	"	18
6025	"	"	5
6026	"	"	10

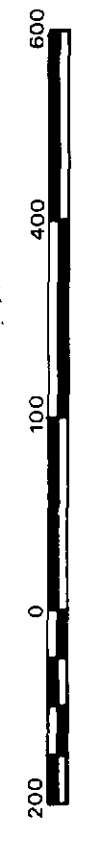
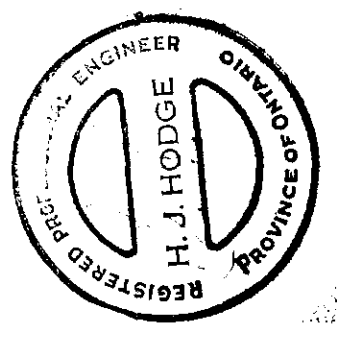


LEGEND

- Diabase
- Sodic Granite
- Undifferentiated Metasediments
- Ultramafic Intrusive
- Quartzite
- Slate
- Sericite Schist
- Felsic Turfs
- Undifferentiated Mafic Metavolcanics and Metasediments
- Intermediate to Mafic Metavolcanics

SYMBOLS

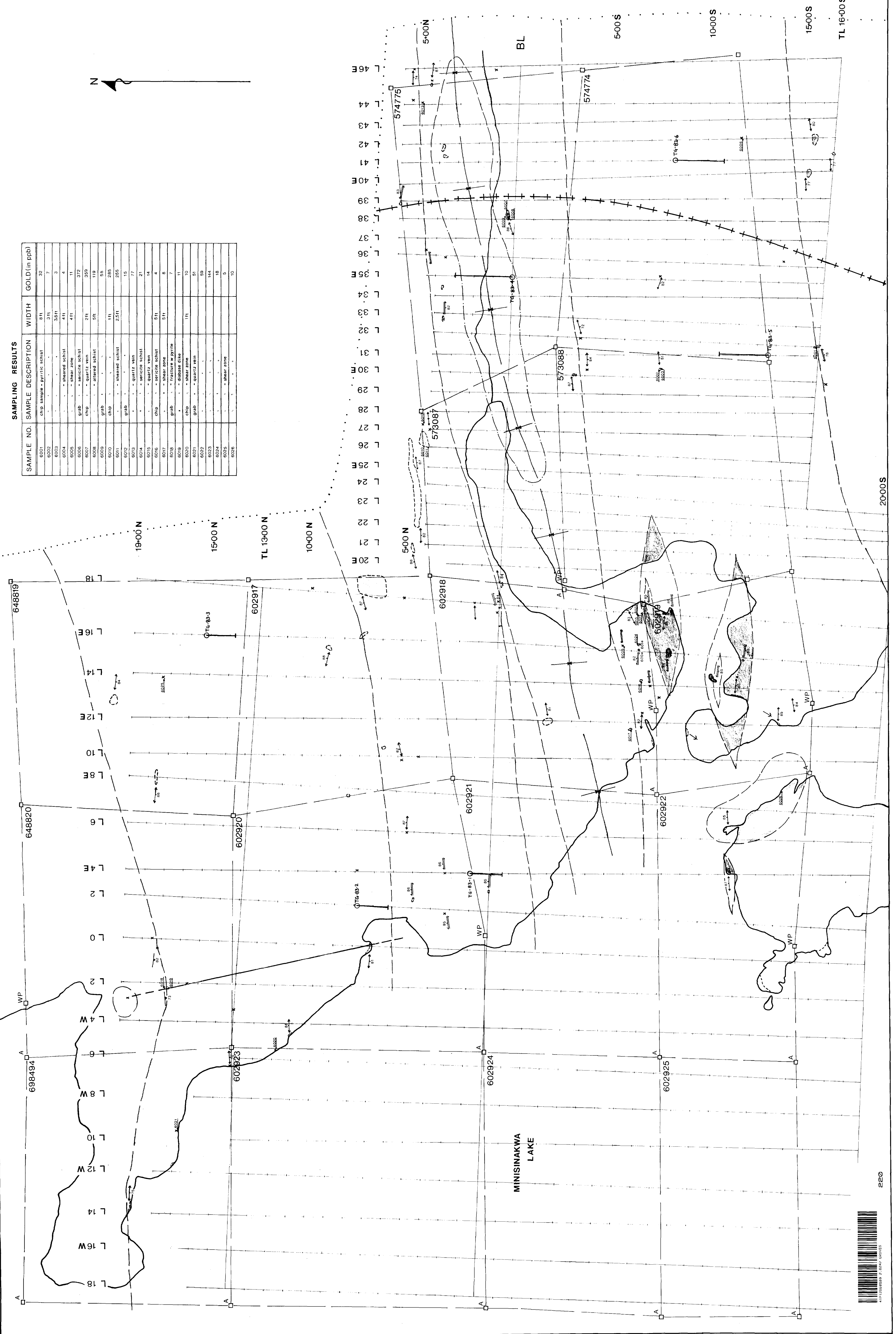
- Metamorphic foliation
- Gneissosity (granitic rocks)
- Outcrop area
- Outcrop (area less than 10ft sq.)
- Shearing
- Geological contact (assumed, inferred from geophysics)
- Sample location
- Fold axis
- Trench
- Claim post
- Picket line
- Railroad
- Diamond drill hole



THOR RESOURCES INC.

PROPERTY GEOLOGY

PROJECT:	GOGAMA PROPERTY
SCALE:	1 inch = 200 ft
DRAWN BY:	S.D.T.
DATE:	OCT. 1983
MAP No.	1
NTS:	41P/12
WORK BY:	GEOCANEX





LEGEND

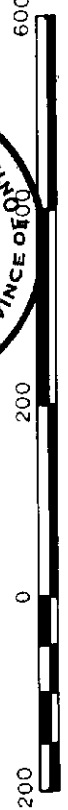
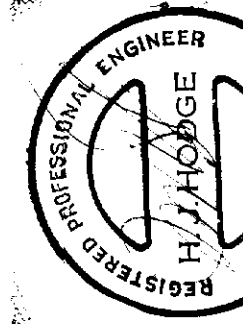
Gold in ppb. .14

Picket Line

Railroad



Data contoured at: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33 and 36 parts per billion



THOR RESOURCES INC.

**SOIL SAMPLING
SURVEY RESULTS**

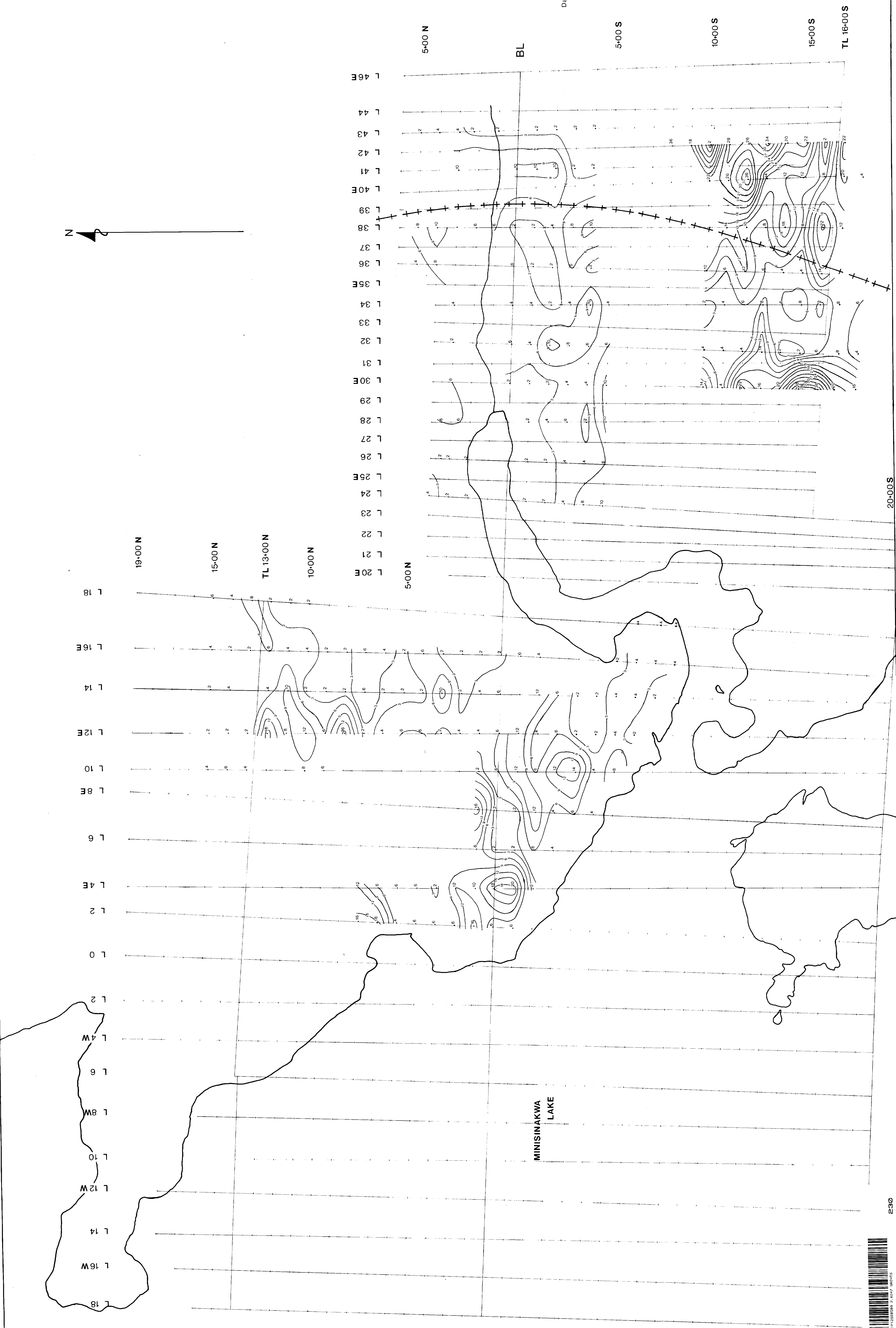
PROJECT: GOGAMA PROPERTY

SCALE: 1 inch = 200 ft. N.T.S.: 41 P / 12

DRAWN BY: S.D.I. WORK BY: GEOCANEX

DATE: OCT. 1983 MAP No: 2

Z 4247



MINISNAKWA
LAKE

