



42A06NE0344 2.14609 SHAW

010

Report of Exploration Activities
on the
Shaw Township Property
Porcupine Mining Division, Ontario

2.14609

RECEIVED

JUN 11 1992

MINING LANDS BRANCH

December, 1990

Henry Hutteri H.BSc.

Ed Korba

OPAP Report



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INTRODUCTION

A program of linecutting, prospecting, geological mapping, magnetometer and VLF electromagnetic surveying, soil geochemical sampling and mechanical trenching was carried out on the Shaw Township Property, located 2.5 miles southeast of South Porcupine, Ontario.

The program was designed to define bedrock lithologies, locate new areas of alteration and gold mineralization and to verify the existence of previously reported gold occurrences on the property.

The field work was carried out by Henry Hutteri and Edward Korba from May to October 1990. The mechanical trenching was performed by Denis Piche Dozer and Backhoe Services Ltd. of Timmins, Ontario, using a John Deer 760 Backhoe. Swastika Laboratories of Timmins, Ontario was used for all of the analytical work.

PROPERTY DESCRIPTION

The property is comprised of 5 contiguous, unpatented mining claims within Shaw Township, Porcupine Mining Division, Ontario. The claims are numbered as follows:

Claim Number	No. of Claims	Expiry Date
1130882	1	March 19, 1991
1130883	1	March 19, 1991
1130884	1	March 19, 1991
1130885	1	March 19, 1991
1130886	1	March 19, 1991

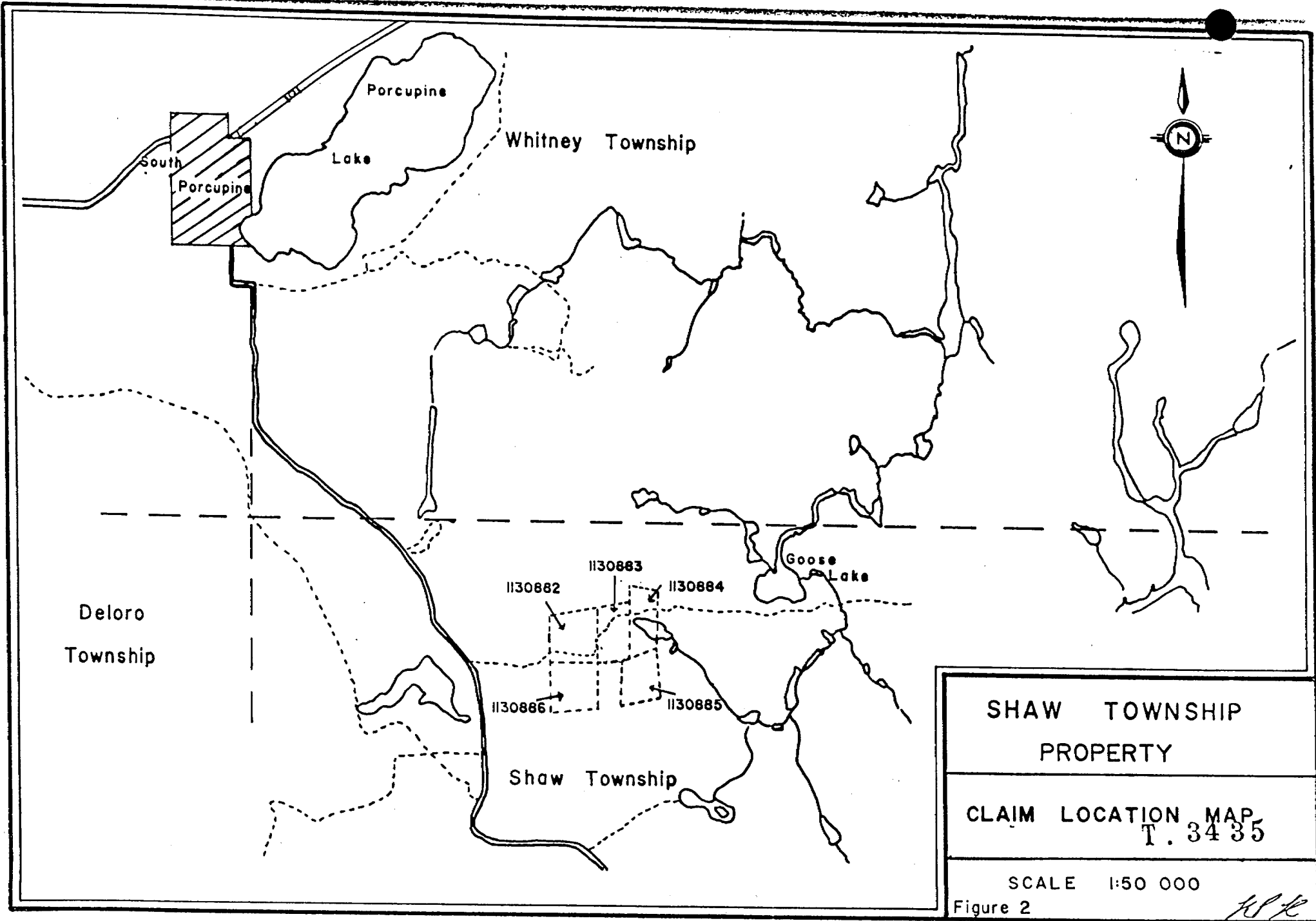
All claims are currently registered to Henry Hutteri, Box 59 Porcupine, Ontario, P0N 1C0, and are held jointly with Edward Korba of R. R. 1, Connaught, Ontario, P0N 1A0.

LOCATION AND ACCESS

The Shaw Property is located within the north-central portion of Shaw Township, approximately 2.5 miles southeast of South Porcupine, Ontario.

Access to the claims is readily gained by travelling southward from South Porcupine along the Langmuir Mine Road, an all-weather gravel road a few miles to the Goose Lake Road. From this point a poorly maintained secondary road passes eastward onto the claim group after a distance of one half mile (figure 2).

The topography in the area is relatively flat with a relief of approximately 50 feet.



SHAW TOWNSHIP
PROPERTY

CLAIM LOCATION MAP
T. 34 35

SCALE 1:50 000
Figure 2

Handwritten signature

Approximately one quarter of the property has been recently clearcut (southwest corner). The remaining forest cover consists of stands of poplar, birch, spruce and jackpine.

The Shaw Township Property is located within the city limits of Timmins, Ontario, a major gold mining centre, where equipment and trained mine personnel are available. Sufficient aggregate, water and hydro electric power are available within a few miles of the property for construction and mine operations.

PREVIOUS WORK

The general area was intensively prospected during the early 1900's, around the time of the initial gold discoveries in the Porcupine Mining Camp.

- 1925: The first work recorded on the property was by Hudson Bay Mines Limited which sunk two 60 foot shafts.
- 1930: Bay Lake Gold Mines Limited held a group of 9 claims and claim fractions covering the subject property. Trenching and abundant sampling was carried out. The company reported that: drill core samples taken years earlier from around one of the shafts averaged \$12 Au and \$1.06 Ag per ton @ \$20.67 gold, the average assay for the trenches was \$8.70 per ton @ \$20.67 gold, 4 test pits averaged \$9.80 per ton @ \$20.67 gold with visible gold reported in each pit, and that 4 bulk samples near one of the shafts averaged \$58.66 per ton @ \$35.00 per ounce of gold.
- 1940: Sylvanite Gold Mines Limited optioned the property from Bay Lake Gold Mines Limited. Several "bulk samples" were taken from the property, however, the best result achieved was 0.05 ounces of gold per ton and the property option was dropped.
- 1966: Flint Rock Mines Limited staked the ground covering the property after the claims reverted to the Crown. A drill program saw approximately 12 of 14 holes sunk on the property from 1972 to 1974. Two of these holes (#8 & #11) were located near a shaft located near the eastern boundary of the property. The other 10 holes were along the Main Carbonate Zone. The results of

sampled Flintrock core are listed below.

HOLE #	LENGTH	Au OZ/TON	HOST ROCK
1	6'	0.36	mineralized tuff
	4.5'	0.25	pyritic quartz stringers in andesite
2	6'	0.12	mineralized tuff
	5'	0.19	pyritic quartz stringers in andesite
3	3'	0.16	mineralized tuff
	4.5'	0.02	pyritic quartz stringers in andesite
4	2.5'	0.02	mineralized tuff
	4'	0.09	mineralized tuff
	5'	0.07	pyritic andesite
5	3'	0.21	mineralized tuff
6	2.5'	0.02	mineralized tuff
	3'	0.08	mineralized tuff
	3.5'	0.05	pyritic andesite
7	2'	0.04	pyritic quartz vein
	3'	0.14	pyrite, chalcopyrite in andesite
8	5'	0.21	pyritic quartz vein
	15'	0.24	pyritic quartz vein
10	6.5'	0.38	quartz carbonate zone with pyrite and chalcopyrite

*No assays available for Holes B1, B2, B3.

1980: Lacana Mining Corporation took an option on the claims belonging to Flint Rock Mines Limited. A magnetic survey was completed on the property and a total of 6 diamond drill holes were sunk. Four of these holes tested the Northern Carbonate Zone while the

other two holes tested the Main Carbonate Zone. In the latter two holes the best results were 0.06 ounces of Au per ton over 10 feet (sludge sample), and a 2.5 foot core sample of 0.03 ounces of Au per ton. The property option was subsequently dropped.

1987: Findore Minerals Inc. carried out line-cutting, magnetometer and VLF dip angle surveying over a small group of claims covering the "main showing" area. Several geophysical anomalies were outlined and additional work was recommended. No further work was performed and the claims subsequently lapsed.

REGIONAL GEOLOGY

The Porcupine Camp in which the subject property is situated, lies within the Abitibi greenstone belt of the Precambrian Shield. The lithologies are dominantly Archean in age with the exception of a few diabase dykes. The metavolcanics within the area are divided into two groups, the Deloro and Tisdale Groups. The Deloro group is believed to be the older one of the two and consists of basal komatiitic flows overlain by calc-alkalic basalts and andesites and felsic pyroclastic rocks. Oxide and sulphide iron formations are found interbedded within the felsic volcanics at the top of this group. The overlying Tisdale Group consists of a basal sequence of ultramafic to basaltic komatiitic and magnesium tholeiitic basalt flows overlain by iron-tholeiitic basalts and an upper sequence of felsic, calc-alkalic pyroclastic rocks. Metasediments within the Tisdale and Deloro Groups form a turbidite sequence consisting dominantly of interlayered wacke, siltstone and lesser conglomerate (Fyon and Crocket, 1983).

Ultramafic sills and dykes occur within the Deloro Group metavolcanics which may have been the magma source for the Tisdale Group komatiitic flows (Pyke, 1982).

Several quartz-feldspar porphyry bodies occur along the base of the Tisdale Group which may represent rhyolitic vents and domes (Pyke, 1982). Several gold mines within the Porcupine Camp are found near these porphyry bodies.

A major structural break, the Destor-Porcupine Fault passes through the Porcupine Camp approximately four miles northwest of the Shaw Township Gold Property.

Gold Occurrences

Carshaw Gold Prospect:

This gold property is located in the southeast corner of Shaw and adjacent Carman Townships. Here, banded iron formation is interbedded in Keewatin basalts. These rock units are intruded by porphyry dykes and small plugs of serpentinite. The iron formation extends for at least 2200 feet and consists of chert interbedded with magnetite with seams of pyrrhotite and disseminated pyrite. Quartz-carbonate veins and stockworks are present in the iron formation with minor mineralization consisting of pyrite, pyrrhotite, galena and gold.

Reserves within the iron formation were calculated to contain 93,000 tons of 0.375 ounces of gold per ton. Further drilling in 1948 indicated a total of 230,000 tons averaging 0.257 ounces of gold per ton (O.D.M. Open File Report 5012). This property is presently being worked by Marshall Minerals.

Tommy Burns Prospect:

This gold property is located in the southeast part of Shaw Township. Here, Keewatin basalts are interbedded with iron formation and rhyolitic agglomerate, which are cut by porphyry dykes. One of two units of iron formation, referred to as the "Sulphide Zone" consists of thin bands of chert interbedded with hematite and magnetite. Gold bearing quartz stringers form crosscutting veinlets with pyrite and pyrrhotite developed adjacent to these veinlets. The "Sulphide Zone" strikes N20 E, dips 25 E and is 1600 feet long. Ore tonnage was estimated to be 70-80,000 tons averaging 0.23 ounces of gold per ton. In 1917, 21 tons of ore were milled which produced 14 ounces of gold.

The ground is presently held by Marshall Minerals who also hold the adjoining Carshaw property.

Puissance Corporation:

This gold property consists of twelve claims within the northeast section of Deloro Township. The claims are underlain by mafic metavolcanic and pyroclastic rocks with interbedded iron formation. An easterly trending fuchsitic ankerite zone extends across the property. Within it, quartz stringers host visible gold although sulphide mineralization is weak.

PROPERTY GEOLOGY

Geological mapping and prospecting was carried out on the Shaw Township Property at a scale of 1:2400 (Map 1). The work was carried out by the author and Edward Korba. A grid was established prior to the survey. All grid lines and areas of outcrop adjacent to and between the lines were walked during the course of the survey.

The mining claims were found to be underlain primarily by mafic to intermediate volcanic flows (1a) and lesser carbonate +/- sericite schists (2), banded magnetite iron formations (3), and carbonate altered zones (4). The rocks observed on the property have been metamorphosed to upper greenschist facies.

The mafic to intermediate volcanic rocks were generally fine grained, massive to weakly foliated with a medium green fresh surface and a variable medium green to slightly whitish weathered surface. The rocks occasionally had a peppered texture with up to 10% dark green, chloritic 1-3mm clots throughout. Large, unstretched, poorly preserved pillow structures (2'x3') were observed in one outcrop only. Calcite filled vesicles were also noted in a few bedrock exposures. Pervasive calcite and weak iron carbonate alteration was frequently encountered during the mapping and prospecting. Only moderate to strong iron carbonate altered areas were indicated on the accompanying geology map.

Carbonate-sericite schists (2) were encountered in the northeast half of the claim group in close association with and parallel to the strong carbonate zones and iron formations. They generally weathered a rusty brownish colour, were soft and had a variable schistosity from weak to strong and friable. Weak, fine grained greenish sericite alteration was observed intermittently throughout these units. Moderate to strong sericite alteration was noted within these schists only in a few locations (Trench SPT-3,4) adjacent to or in close proximity to the strong carbonate zones. A dark green spotty texture was encountered within the schists similar to that found within the mafic to intermediate volcanics. Sulphides and quartz stringers were rare. The carbonate +/- sericite schists on the property most likely represent altered and sheared mafic to intermediate volcanic rocks.

Iron formations up to 80 feet wide were encountered in the northeast half of the property. They had an average strike of 130° to 140° and fairly shallow dips of 30° to 45° to the northeast. The iron formation was typically composed of reddish, white and grey sugary, well laminated chert with thin magnetite bands and occasional green chloritic laminations. Folding, brecciation, silicification and moderate to strong iron carbonate alteration were commonly

observed along with frequent quartz and carbonate stringers, stockworks and occasional narrow quartz +/- tourmaline +/- carb veins. Fine to occasionally very coarse grained pyrite was almost always present averaging 2-5% but locally up to 20%. Minor pyrite was also observed in the narrow quartz veins and stringers within the iron formations.

The carbonate zones (4) were very soft weathering, rusty red-brown in colour, and massive with <10% crisscrossing quartz stringers and quartz +/- tourmaline veinlets and minor occasional pyrite. These units were mapped throughout the property having east-west and southeast strike directions and widths of up to 40 feet. The strongest zone appeared to be the one paralleling and cutting through the iron formations in the northeast portion of the property. Minor green mica was noted in the carbonate zone passing through trench SPT-5. The largest vein found within this unit was 1 foot wide. The larger veins and veinlets within the carbonate zones appeared to have a northeasterly trend to them.

A total of 31 grab samples were taken while prospecting/mapping and analyzed for gold. Background gold content for all samples taken was less than 20 ppb. Anomalous gold concentrations were detected in 5 samples. Two samples of iron formation with carbonate, pyrite and quartz stringers yielded values of 734 and 758 ppb gold. The anomalous assays obtained along with rock descriptions are listed in Appendix B.

GEOPHYSICAL SURVEYING

Linecutting

A grid was established prior to the geophysical surveying. This consisted of brushing out, chaining and re-picketing old grid lines which covered the majority of the claims. The baseline was oriented at 080° with grid lines at 350°. Grid lines were spaced 400 feet apart and stations were established at 100 foot intervals. The southwesternmost claim was recently clear-cut and grid lines were re-picketed at 000°.

A total of 5.09 miles of lines were established.

VLF-EM Survey

A total of 252 readings were taken over the entire grid with a Geonics EM-16 using the Cuttler, Maine Transmitter station (24.0 KHz). Readings were taken at 100 foot intervals with both In-phase and Quadrature values being recorded at each station. All readings were taken facing north. The data was subsequently plotted on a profile map (Map 2) at a scale of 1:2400.

The VLF survey outlined several southeast trending conductive zones, most of which appear to have bedrock sources. Zone A passes southeasterly across the property, has a strong magnetic association and is probably caused by the magnetite iron formations. Zone B is fairly weak, has a weak magnetic association and probably represents a weakly magnetic iron formation. Zones C and D do not have any magnetic correlation but probably have bedrock sources. Zones E and F strike easterly, have coincident low, swampy areas and most likely are caused by conductive overburden.

Magnetometer Survey

A total of 395 readings were collected using a Geometric 816 Proton Precession magnetometer with a 1 gamma sensitivity. Readings were taken at 100 foot intervals over all grid lines. Additional readings at 50 and 25 foot intervals were taken between stations in areas where the magnetic readings increased or decreased sharply. The field data was corrected for diurnal drift using the base line looping method and subsequently plotted on a map at a scale of 1:2400 and contoured at 500 gamma intervals (Map 3).

The magnetometer survey outlined a series of moderate to strong, southeast trending magnetic highs on the northeast half of the property which most likely represent banded magnetite iron formations. The highest readings taken over these anomalies was 61826 gammas. This magnetic feature is disturbed with strike deflections in the southeast corner of the claim group suggesting possible folding. The remainder of the property is magnetically flat. The several moderate to strong carbonate alteration zones crossing east and southeasterly through the claim group appear to have corresponding magnetic lows of <400 gammas. A broad and extensive magnetic low passing easterly from 30E / 1500N to L44E / 1000N encompasses the main shaft on the property. The main southeast striking carbonate zone associated with the main band of iron formation is not magnetically distinct.

SOIL GEOCHEMICAL SURVEY

A total of 138 B horizon soil samples were taken from the Shaw Township Property and analyzed for gold by Swastika Laboratories of Timmins, Ontario. The samples were taken at 100 foot intervals along grid lines except in swampy, poorly drained areas or areas of bedrock exposure (no soil). The ground sampled was generally well drained with a well developed B horizon.

Background gold appeared to be less than 7 ppb. Several weakly anomalous gold values ranging from 9 to 43 ppb were obtained mainly from the eastern half of the property. One

highly anomalous gold value of 1742 ppb gold was obtained at L36E/BLO. The results of the soil sampling are plotted on the Soil Geochem Map (4) at a scale of 1:2400. The anomalous soil geochem results are summarized in Appendix B.

TRENCHING PROGRAM

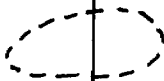
A mechanical trenching program was conducted on the property after the completion of the mapping/prospecting, geophysical surveying and soil geochemical sampling. A total of 9 trenches and 2001 feet of trenching was completed using a John Deer 760 backhoe from Denis Piche Dozer and Backhoe Services Ltd. of Timmins, Ontario.

The trenching was carried out over various carbonate and sericite alteration zones, sulfidized and structurally deformed iron formations, soil geochemical anomalies, magnetic lows and quartz veined areas throughout the property.

A total of 148 grab and chip samples were taken and analyzed for gold content by Swastika Laboratories of Timmins, Ontario. The trenches were mapped in detail and the maps are included in this report (figures 3 to 11). Washing of the trenches was not achieved due to the lack of a nearby water supply.

The highest gold value obtained from the trench sampling was 0.35 opt gold from a grab sample of iron formation with 20% pyrite. Numerous anomalous values were also obtained from trenches SPT-3 to 9. These results along with sample descriptions are summarized in Appendix B.

N



4,qs

Legend

- 1a Mafic to Intermediate volcanics
- 2 Carbonate ± sericite schist
- 3 Iron Formation
- 4 Carbonate Zone
- qv quartz vein
- qs quartz stringer
- carb carbonate
- ser sericite
- tour tourmaline
- ▲ sample location

water

1a, weak carb

SPT-1-3

5'

SPT-1-4 ▲

SPT-1-2

5'

SPT-1-5 ▲

SPT-1-6 ▲

SPT-1-1

5'

4, 2"qv,qs,minor ser

old pit



water

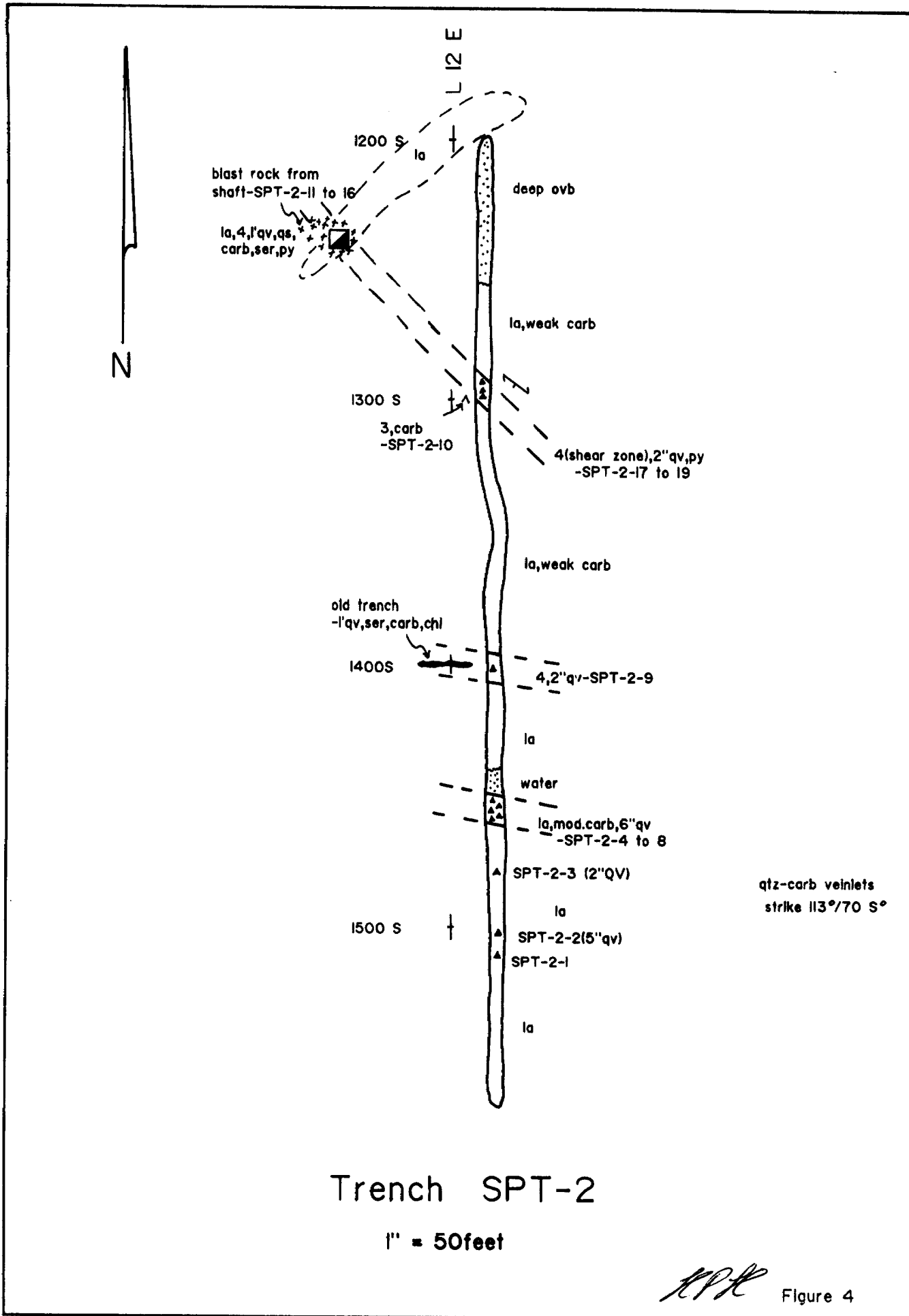
1a, weak to moderate carb

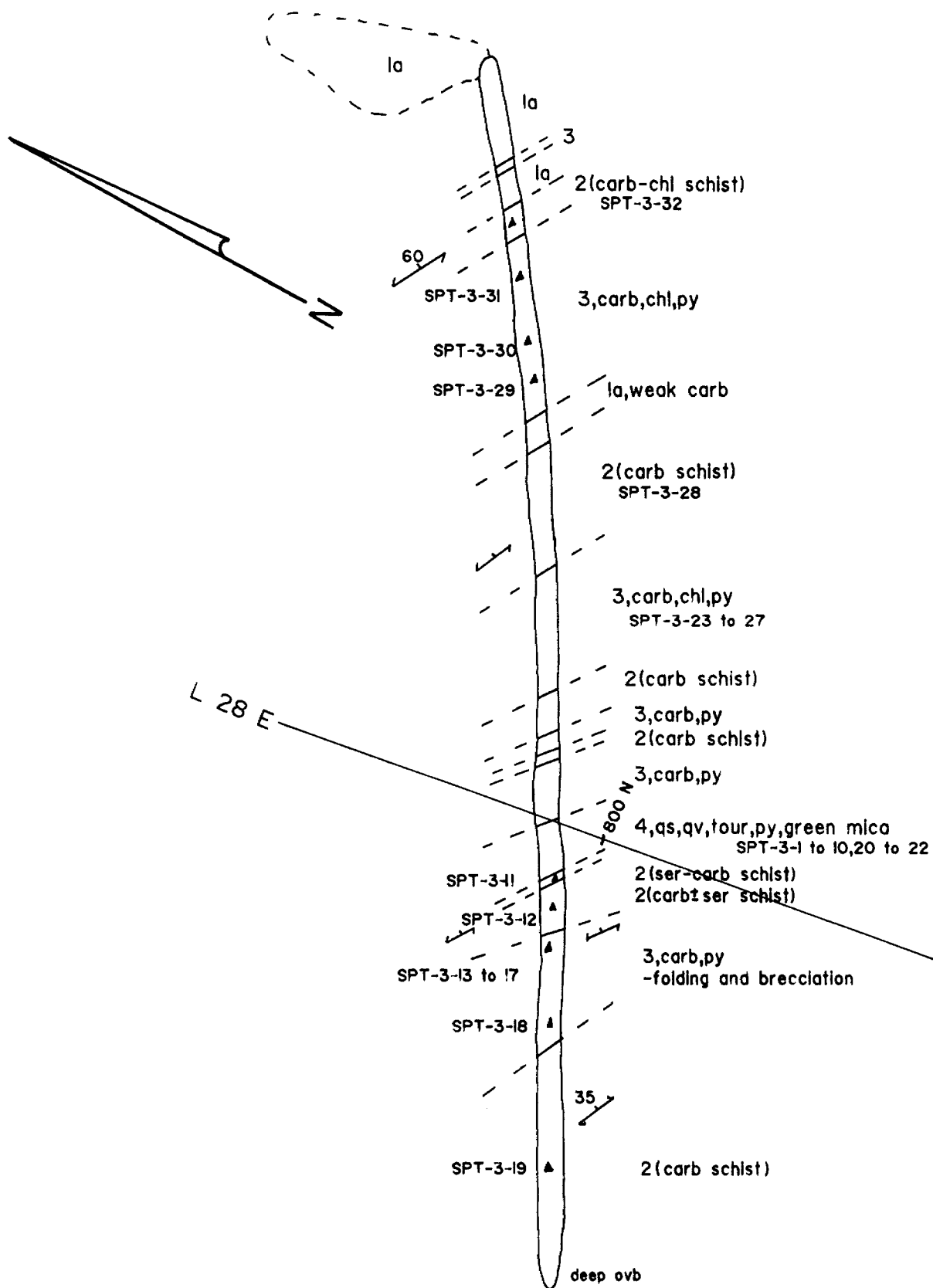
Trench SPT-1

1" = 10 feet

L12 E | 500 S

Figure 3



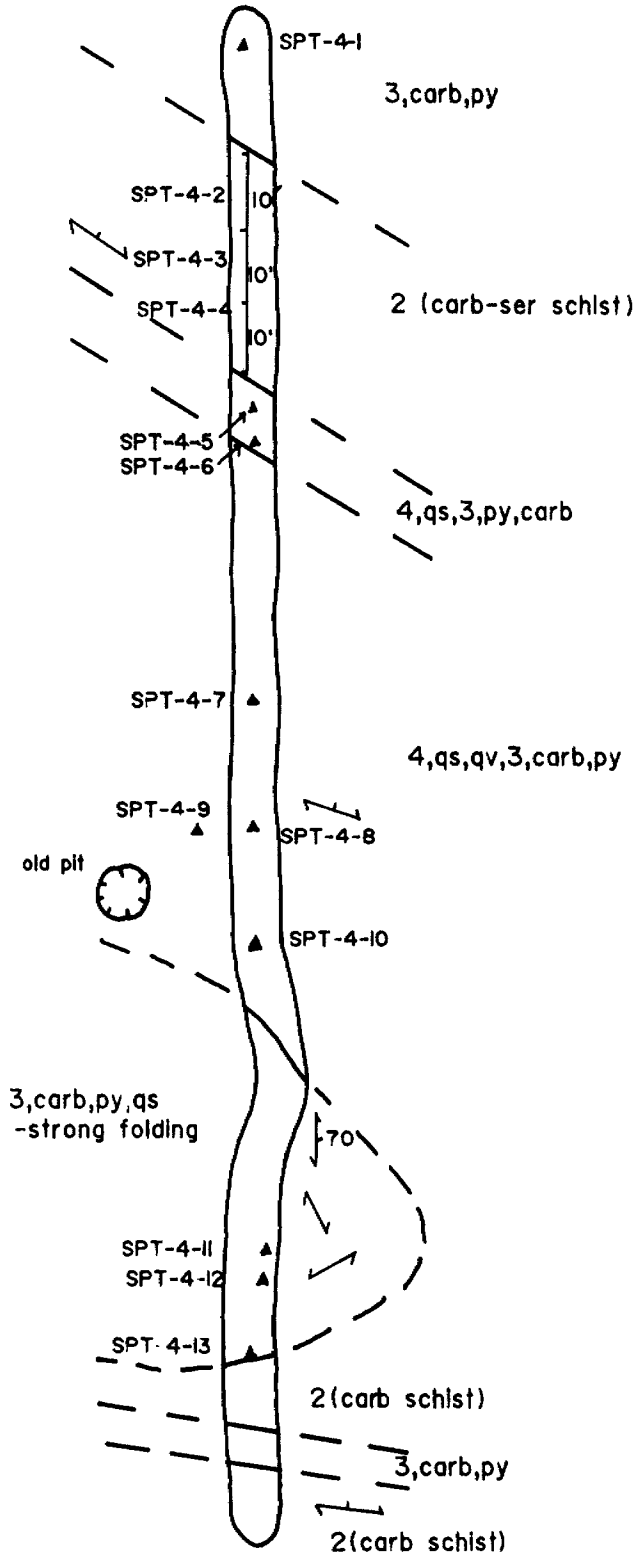


Trench SPT-3

1" = 50 feet

JPR

Figure 5

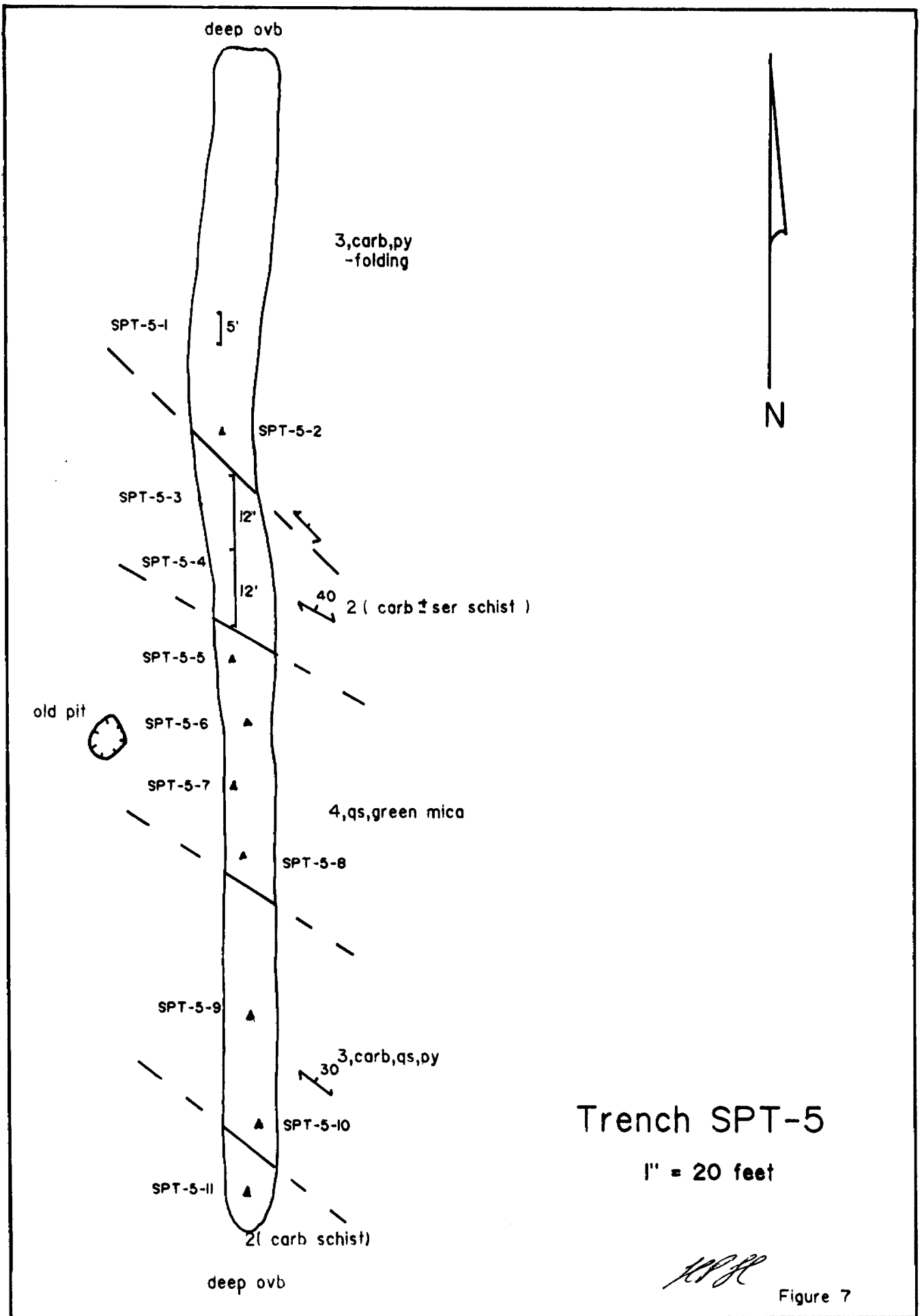


Trench SPT-4

1" = 25 feet

HPR

Figure 6



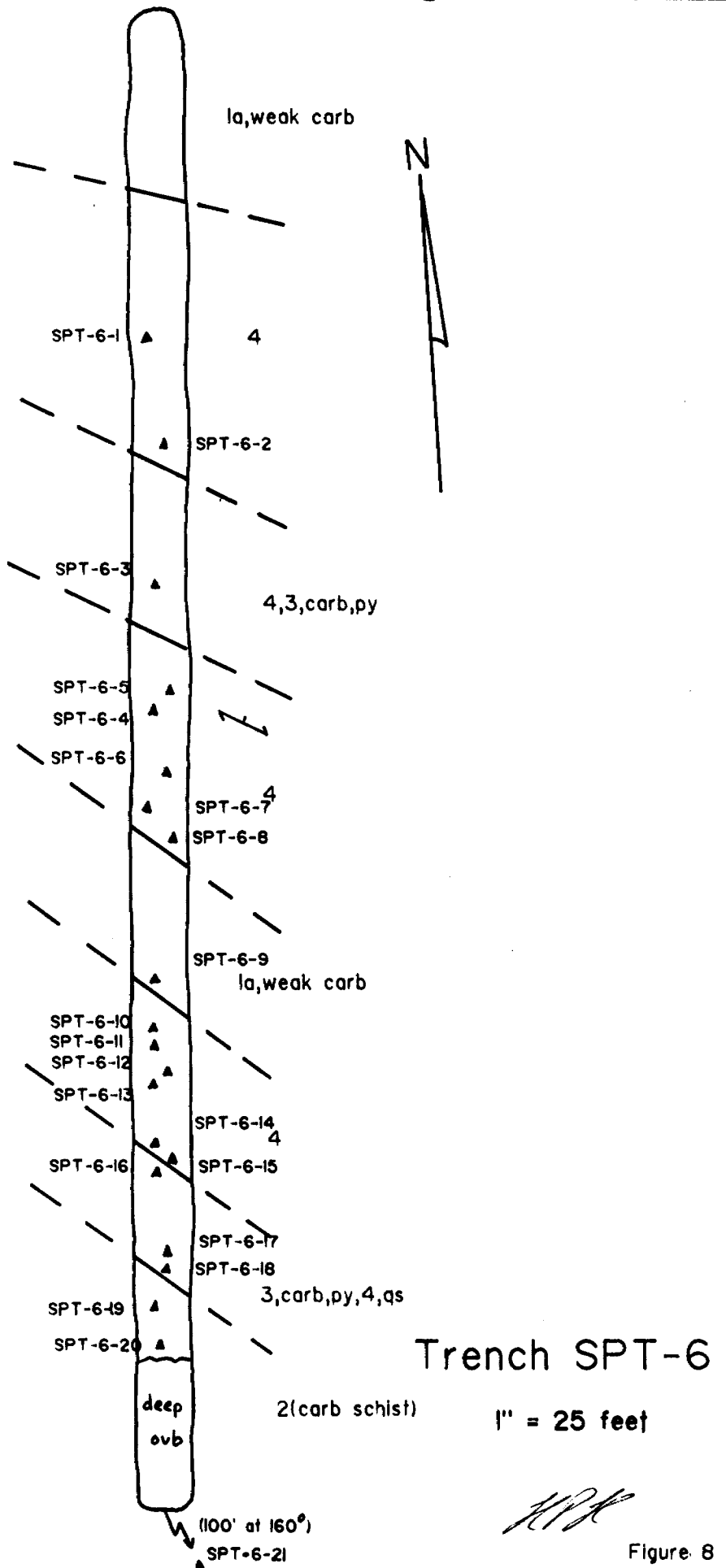


Figure 8

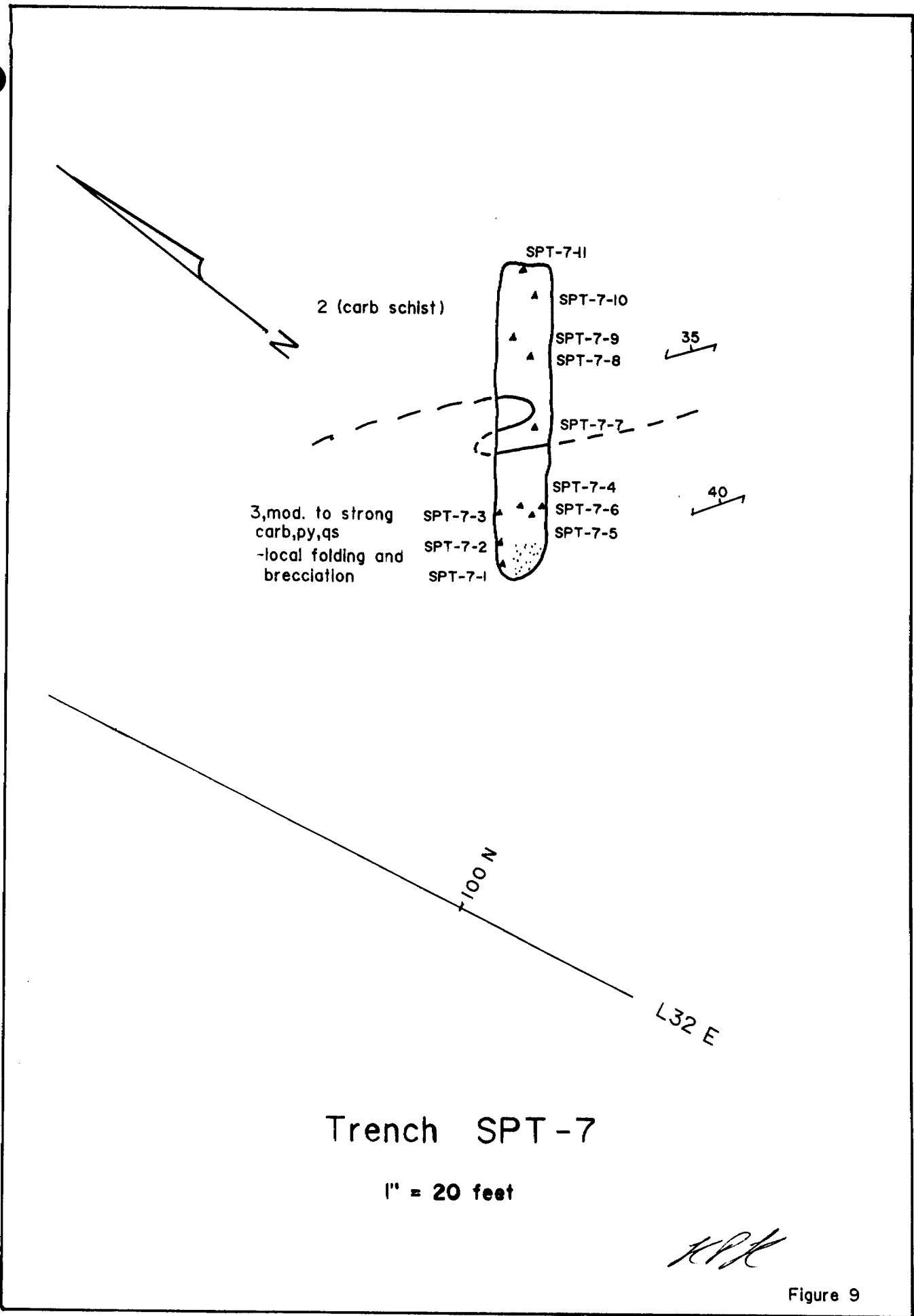
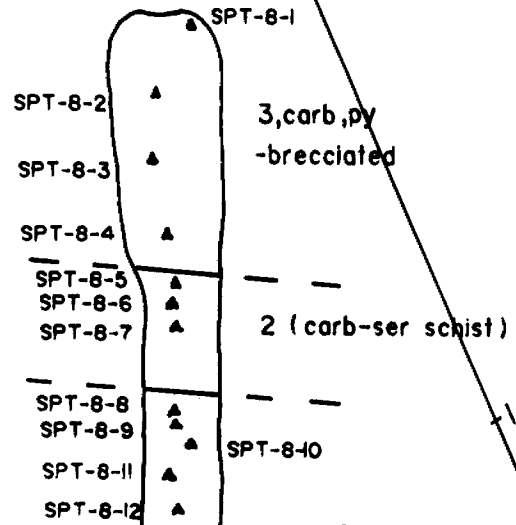


Figure 9

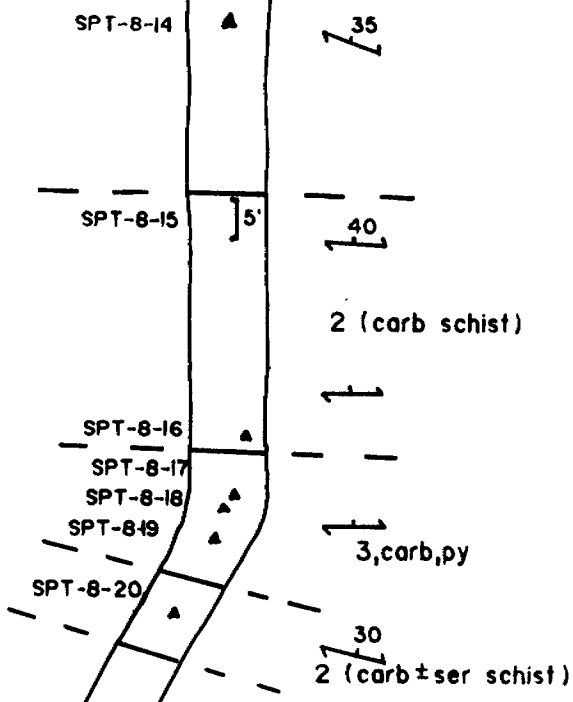


+1+00 S
 L 36E

Legend

- 1a Mafic to Intermediate volcanics
- 2 Carbonate ± sericite schist
- 3 Iron Formation
- 4 Carbonate Zone
- qv quartz vein
- qs quartz stringer
- carb carbonate
- ser sericite
- tour tourmaline
- ▲ sample location

old pit
 qv, py
 SPT-8-13

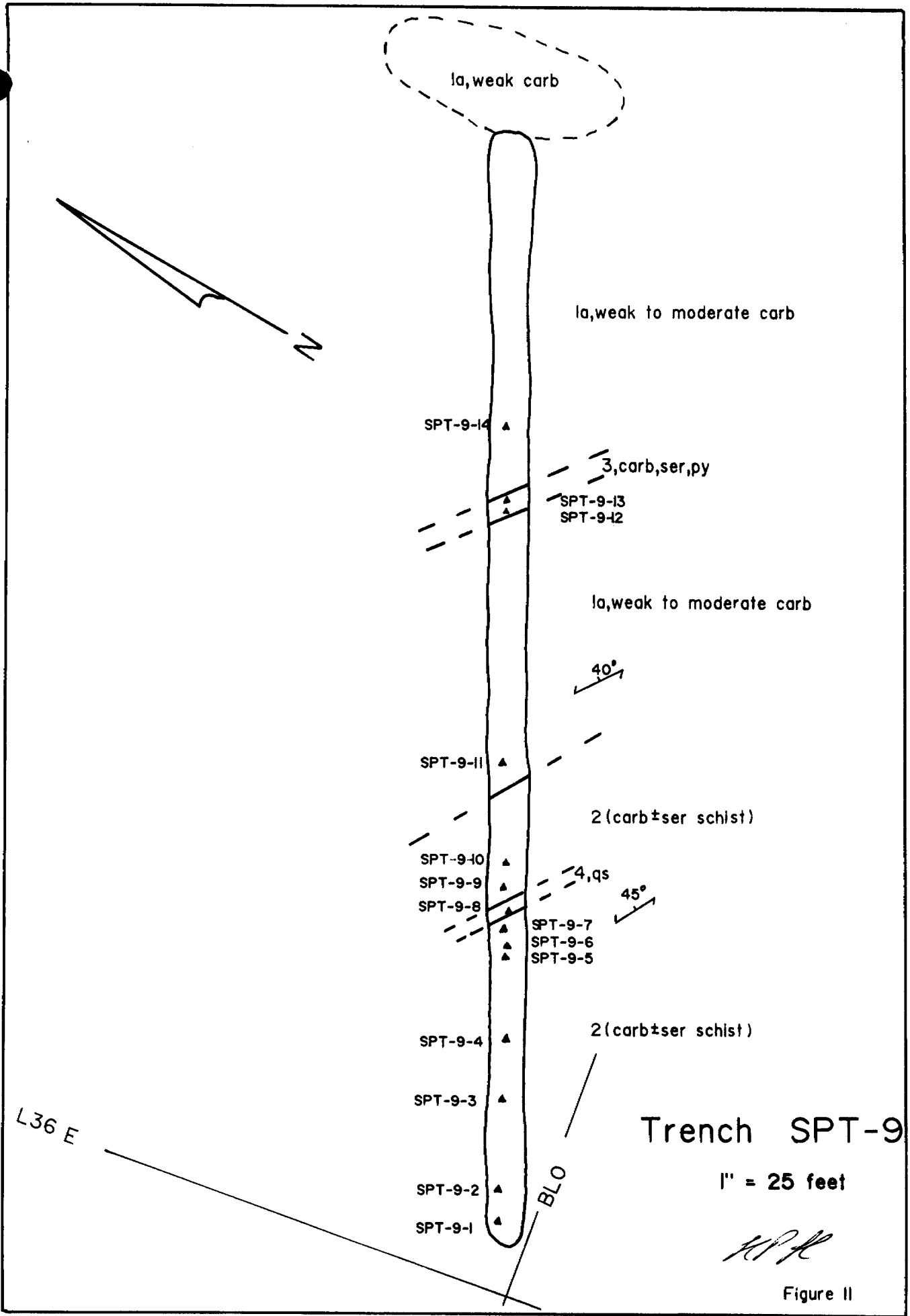


Trench SPT-8

1" = 25 feet

Handwritten signature

Figure 10



CONCLUSIONS AND RECOMMENDATIONS

A program of linecutting, prospecting, geological mapping, VLF and magnetometer surveying, soil geochemical sampling and mechanical trenching has been completed on the Shaw Township Property. The claim group was found to be underlain predominantly by mafic to intermediate volcanic flows and lesser carbonate +/- sericite schists, banded magnetite iron formations and carbonate alteration zones.

The geophysical surveys outlined several bands of iron formation, a number of magnetic lows which often represented carbonatized zones and a few new conductive zones which warrant further investigation.

The trenching and sampling program was successful in exposing most of the selected targets with the exception of the 1742 ppb soil anomaly which was marginal to a swamp. Numerous anomalous gold values up to 0.35 opt were obtained mainly from samples of sulfidized and carbonatized iron formation. Quartz veining was generally narrow (<1') and contained minor pyrite, carbonate, sericite and tourmaline occasionally. Fine quartz stringers and stockworks are common within the carbonate zones and deformed, sulfidized iron formations. The 3 foot wide quartz vein previously reported on claim 1130883 was not observed during the course of the program.

The sulfidized iron formations appear to be the most favorable target on the Shaw Township Property and are similar to those hosting significant gold mineralization further to the south at the Carshaw and Tommy Burns gold prospects. Additional detailed prospecting along the iron formations appears to be warranted as well as washing and channel sampling in areas where anomalous gold has been detected. In areas covered by overburden, an Induced Polarization survey would be useful in detecting additional sulfidized zones prior to drilling.

Respectfully Submitted,



Henry P. Hutteri, H.BSc.

REFERENCES

Burrows, A.G. (1924) The Porcupine Gold Area, O.D.M. Report #33 part 2.

Carlson, H.D. (1967) Geology of Ogden, Deloro and Shaw Townships, District of Cochrane, Ontario, O.D.M. Open File Report 5012, with maps P-341 to P-343.

Ferguson, S.A. et al. Gold Deposits of Ontario, part 1, Cochrane District. Reprint of M.R.C. #13, 1971.

Fyon, J.A. & Crocket, J.H. (1983) Gold Exploration in the Timmins Area-Using Field and Lithogeochemical Characteristics of Carbonate Alteration Zones. O.G.S. Study #26.

Pyke, D.R. (1982) Geology of the Timmins Area, District of Cochrane. O.G.S. Report #219 with map 2455.

Pertinent Assessment Files.

Appendix A



Swastika Laboratories

A Division of Assayers Corporation Ltd.

Assaying - Consulting - Representation

Geochemical Analysis Certificate

0T-0645-RG1

Company: **H. HUTTERI**

Date: OCT-12-90

Project:

Copy 1. P.O.BOX 59, PORCUPINE, ONT. P0N 1C0

Attn:

We hereby certify the following Geochemical Analysis of 31 ROCK samples submitted OCT-10-90 by HENRY HUTTERI.

Sample Number	Au ppb
SP-1	Nil
SP-2	Nil
SP-3	Nil
SP-4	Nil/Nil
SP-5	24
SP-6	Nil
SP-7	Nil
SP-8	Nil
SP-9	103
SP-10	Nil
SP-11	Nil
SP-12	734/727
SP-13	Nil
SP-14	Nil
SP-15	Nil
SP-16	Nil
SP-17	Nil
SP-18	Nil
SP-19	Nil
SP-20	758/507
SP-21	Nil
SP-22	34
SP-23	Nil
SP-24	55
SP-25	17
SP-26	Nil/Nil
SP-27	Nil
SP-28	Nil
SP-29	Nil
SP-30	Nil
SP-31	Nil

Certified by

G. Lebel / Manager

P.O. Box 10, Swastika, Ontario P0K 1T0

Telephone (705) 642-3244

FAX (705) 642-3300



Swastika Laboratories

A Division of Assayers Corporation Ltd.

Assaying - Consulting - Representation

Established 1928

Page 1 of 3

Geochemical Analysis Certificate

0T-0731-RG1

Company: **H. HUTTERI**

Date: **NOV-16-90**

Project:

Copy 1. P.O.BOX 59, PORCUPINE, ONT. P0N 1C0

Attn:

We hereby certify the following Geochemical Analysis of 70 CHANNEL SAMPLES samples submitted NOV-10-90 by .

Sample Number	Au ppb
SPT-1-1	Nil
SPT-1-2	Nil
SPT-1-3	Nil/Nil
SPT-1-4	Nil
SPT-1-5	Nil
SPT-1-6	Nil
SPT-2-1	Nil
SPT-2-2	Nil
SPT-2-3	Nil
SPT-2-4	Nil
SPT-2-5	Nil
SPT-2-6	Nil
SPT-2-7	Nil
SPT-2-8	Nil
SPT-2-9	Nil
SPT-2-10	Nil
SPT-2-11	Nil
SPT-2-12	Nil
SPT-2-13	Nil
SPT-2-14	Nil
SPT-2-15	Nil
SPT-2-16	Nil/Nil
SPT-2-17	Nil
SPT-2-18	Nil
SPT-2-19	Nil
SPT-3-1	Nil
SPT-3-2	14
SPT-3-3	Nil
SPT-3-4	Nil
SPT-3-5	Nil

Certified by Donna Gardner

P.O. Box 10, Swastika, Ontario P0K 1T0

Telephone (705) 642-3244

FAX (705) 642-3300



Established 1928

Swastika Laboratories

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Assaying - Consulting - Representation

Page 2 of 3

Geochemical Analysis Certificate

0T-0731-RG1

Company: **H. HUTTERI**

Date: NOV-16-90

Project:

Copy 1. P.O. BOX 59, PORCUPINE, ONT. P0N 1C0

Attn:

We hereby certify the following Geochemical Analysis of 70 CHANNEL SAMPLES samples submitted NOV-10-90 by .

Sample Number	Au ppb
SPT-3-6	Nil
SPT-3-7	Nil
SPT-3-8	137/137
SPT-3-9	Nil
SPT-3-10	14
SPT-3-11	Nil
SPT-3-12	Nil
SPT-3-13	14
SPT-3-14	Nil
SPT-3-15	Nil
SPT-3-16	Nil
SPT-3-17	21
SPT-3-18	48
SPT-3-19	34
SPT-3-20	Nil
SPT-3-21	Nil
SPT-3-22	Nil
SPT-3-23	10
SPT-3-24	113/113
SPT-3-25	Nil
SPT-3-26	10
SPT-3-27	Nil
SPT-3-28	Nil
SPT-3-29	240
SPT-3-30	789/857
SPT-3-31	10
SPT-3-32	Nil
SPT-4-1	Nil
SPT-4-2	Nil
SPT-4-3	Nil

Certified by Sonja Gardner

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Geochemical Analysis Certificate

0T-0731-RG1

Company: **H. HUTTERI**

Date: NOV-16-90

Project:

Copy 1. P.O. BOX 59, PORCUPINE, ONT. P0N 1C0

Attn:

We hereby certify the following Geochemical Analysis of 70 CHANNEL SAMPLES samples submitted NOV-10-90 by .

Sample Number	Au ppb
SPT-4-4	Nil
SPT-4-5	45
SPT-4-6	34/45
SPT-4-7	Nil
SPT-4-8	Nil
SPT-4-9	Nil
SPT-4-10	21
SPT-4-11	Nil
SPT-4-12	34
SPT-4-13	285/274

Certified by Gonna Lesaner



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Established 1928

Page 1 of 3

Geochemical Analysis Certificate

0T-0732-RG1

Company: **H. HUTTERI**

Date: **NOV-19-90**

Project:

Copy 1. P.O.BOX 59, PORCUPINE, ONT. P0N 1C0

Attn:

We hereby certify the following Geochemical Analysis of 78 CHANNEL samples submitted NOV-10-90 by HENRY HUTTERI.

Sample Number	Au ppb	Au g/tonne	Au oz/ton
SPT-5-1	Nil		
SPT-5-2	14		
SPT-5-3	Nil		
SPT-5-4	Nil		
SPT-5-5	Nil		
SPT-5-6	Nil		
SPT-5-7	10		
SPT-5-8	Nil		
SPT-5-9	Nil		
SPT-5-10	302/278		
SPT-5-11	Nil		
SPT-6-1	14		
SPT-6-2	17		
SPT-6-3	21/17		
SPT-6-4	Nil		
SPT-6-5	38		
SPT-6-6	14		
SPT-6-7	Nil		
SPT-6-8	5		
SPT-6-9	Nil		
SPT-6-10	Nil		
SPT-6-11	Nil		
SPT-6-12	10		
SPT-6-13	Nil		
SPT-6-14	Nil		
SPT-6-15	Nil		
SPT-6-16	14		
SPT-6-17	5		
SPT-6-18	58		
SPT-6-19	Nil		

Certified by Donna Gardner

P.O. Box 10, Swastika, Ontario P0K 1T0

Telephone (705) 642-3244

FAX (705) 642-3300



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Page 2 of 3

Geochemical Analysis Certificate

0T-0732-RG1

Company: **H. HUTTERI**

Date: **NOV-19-90**

Project:

Copy 1. P.O.BOX 59, PORCUPINE, ONT. P0N 1C0

Attn:

We hereby certify the following Geochemical Analysis of 78 CHANNEL samples submitted NOV-10-90 by HENRY HUTTERI.

Sample Number	Au ppb	Au g/tonne	Au oz/ton
SPT-6-20	Nil		
SPT-6-21	593/408		
SPT-7-1	24		
SPT-7-2	1087		
SPT-7-3	65		
SPT-7-4	86		
SPT-7-5	14400	12.10	.353
SPT-7-6	58		
SPT-7-7	Nil		
SPT-7-8	27		
SPT-7-9	Nil		
SPT-7-10	Nil		
SPT-7-11	10		
SPT-8-1	Nil		
SPT-8-2	10		
SPT-8-3	Nil		
SPT-8-4	14		
SPT-8-5	Nil		
SPT-8-6	10		
SPT-8-7	Nil		
SPT-8-8	312		
SPT-8-9	Nil		
SPT-8-10	254/223		
SPT-8-11	Nil		
SPT-8-12	48		
SPT-8-13	250/319		
SPT-8-14	Nil		
SPT-8-15	Nil		
SPT-8-16	Nil		
SPT-8-17	487		

Certified by Donna Gardner

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Page 3 of 3

Geochemical Analysis Certificate

0T-0732-RG1

Company: **H. HUTTERI**

Date: NOV-19-90

Project:

Copy 1. P.O.BOX 59, PORCUPINE, ONT. P0N 1C0

Attn:

We hereby certify the following Geochemical Analysis of 78 CHANNEL samples submitted NOV-10-90 by HENRY HUTTERI.

Sample Number	Au ppb	Au g/tonne	Au oz/ton
SPT-8-18	14		
SPT-8-19	377/405		
SPT-8-20	14		
SPT-8-21	439/425		
SPT-9-1	Nil		
SPT-9-2	Nil		
SPT-9-3	Nil		
SPT-9-4	Nil		
SPT-9-5	Nil		
SPT-9-6	Nil		
SPT-9-7	Nil		
SPT-9-8	Nil		
SPT-9-9	Nil		
SPT-9-10	Nil		
SPT-9-11	Nil		
SPT-9-12	93		
SPT-9-13	75		
SPT-9-14	Nil		

Certified by Donna Gardner



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Page 1 of 3

Geochemical Analysis Certificate

0T-0421-SG1

Company: **HENRY HUTTERI**

Date: **AUG-14-90**

Project:

Copy 1. P.O.BOX 397,SOUTH PORCUPINE,ONT PON 1H0

Attn: **HENRY HUTTERI**

We hereby certify the following Geochemical Analysis of 77 SOIL samples submitted AUG-08-90 by HENRY HUTTERI.

Sample Number	Au ppb
L12E 15+69S	2/5
L12E 15S	Nil
L12E 14S	Nil
L12E 13S	Nil
L12E 12S	Nil
L12E 11S	Nil
L12E 10S	Nil
L12E 9S	Nil
L12E 8S	Nil
L12E 7S	Nil
L12E 6S	2/Nil
L12E 4+70S	2
L12E 4S	Nil
L12E 3S	Nil
L12E 2S	2
L12E 1S	Nil
L12E BLO	Nil
L12E 1N	Nil
L12E 2N	5
L16E 15+66S	Nil
L16E 15S	Nil
L16E 14S	3
L16E 13S	5
L16E 12S	7
L16E 11S	5
L16E 10S	3
L16E 9S	Nil
L16E 8S	2
L16E 4S	2
L16E 3S	3

Certified by 
G. Lebel / Manager



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Page 2 of 3

Geochemical Analysis Certificate

0T-0421-SG1

Company: HENRY HUTTERI

Date: AUG-14-90

Project:

Copy 1. P.O.BOX 397, SOUTH PORCUPINE, ONT P0N 1H0

Attn: HENRY HUTTERI

We hereby certify the following Geochemical Analysis of 77 SOIL samples submitted AUG-08-90 by HENRY HUTTERI.

Sample Number	Au ppb
L16E 2S	2/Ni1
L16E BLO	Ni1
L16E 1N	Ni1
L16E 3N	Ni1
L16E 4N	2
L16E 7N	Ni1
L16E 13N	Ni1
L20E 15+58S	Ni1
L20E 15S	Ni1
L20E 13S	Ni1
L20E 12S	5
L20E 11S	Ni1
L20E 10+50S	Ni1
L20E 9S	Ni1
L20E 6S	Ni1
L20E 5S	Ni1
L20E 3S	Ni1
L20E 2S	5/5
L20E 1S	5
L20E 0+40N	7
L20E 1+30N	7
L20E 2N	3
L20E 3N	5
L20E 5N	5
L20E 6N	2
L20E 7N	2
L20E 8N	9/7
L20E 9N	Ni1
L20E 10N	Ni1
L20E 11N	Ni1

Certified by


G. Lebel / Manager

P.O. Box 10, Swastika, Ontario P0K 1T0

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Page 3 of 3

Geochemical Analysis Certificate

0T-0421-SG1

Company: **HENRY HUTTERI**

Date: **AUG-14-90**

Project:

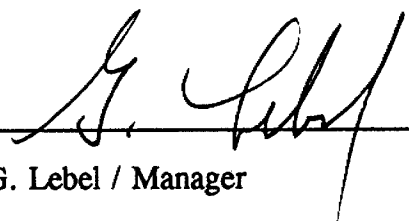
Copy 1. P.O.BOX 397,SOUTH PORCUPINE,ONT P0N 1H0

Attn: **HENRY HUTTERI**

We hereby certify the following Geochemical Analysis of 77 SOIL samples submitted AUG-08-90 by HENRY HUTTERI.

Sample Number	Au ppb
L20E 12N	12
L24E BS	Nil
L24E 10S	2
L24E 9S	Nil
L24E 5S	10
L24E 4S	Nil
L24E 2S	Nil
L24E 1S	Nil
L24E BLO	Nil
L24E 2N	Nil
L24E 3N	5
L24E 4N	7
L24E 5N	7
L24E 6N	12/7
L24E 9+60N	3
L24E 13N	Nil
L24E 14N	Nil

Certified by


G. Lebel / Manager

P.O. Box 10, Swastika, Ontario P0K 1T0
Telephone (705) 642-3244 FAX (705) 642-3300



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Page 1 of 2

Geochemical Analysis Certificate

0T-0422-SG1

Company: **HENRY HUTTERI**

Date: **AUG-13-90**

Project:

Copy 1. P.O.BOX 397,SOUTH PORCUPINE,ONT.PON 1H0

Attn: **HENRY HUTTERI**

2. 235-3546

We hereby certify the following Geochemical Analysis of 48 SOIL samples submitted AUG-07-90 by HENRY HUTTERI.

Sample Number	Au ppb	Au check ppb
L- 28E 3S	5	
28E 2S	7	
28E 1S	Nil	
28E 4N	Nil	
28E 5N	Nil	
28E 6N	43	46
28E 7N	5	
28E 8N	3	
28E 9N	Nil	
28E 10N	2	
28E 11N	3	
28E 12N	Nil	
28E 13N	3	
28E 15N	Nil	
32E 15S	3	
32E 13+50S	Nil	
32E 12S	Nil	
32E 9+75S	5	
32E 9S	Nil	
32E 7S	Nil	
32E 5S	7	
32E 4S	2	
32E 3+50S	14	9
32E 2+40S	3	
32E 1S	5	
32E 1N	7	
32E 7N	3	
32E 8N	2	
32E 8+50N	Nil	
32E 10N	3	

Certified by

G. Lebel / Manager

P.O. Box 10, Swastika, Ontario P0K 1T0

Telephone (705) 642-3244

FAX (705) 642-3300



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Page 2 of 2

Geochemical Analysis Certificate

0T-0422-SG1

Company: HENRY HUTTERI

Date: AUG-13-90

Project:

Copy 1. P.O. BOX 397, SOUTH PORCUPINE, ONT. P0N 1H0

Attn: HENRY HUTTERI

2. 235-3546

We hereby certify the following Geochemical Analysis of 48 SOIL samples submitted AUG-07-90 by HENRY HUTTERI.

Sample Number	Au ppb	Au check ppb
L- 32E 13N	7	
32E 14N	Ni 1	
36E 13+50S	3	
36E 9S	Ni 1	
36E 7+80S	2	
36E 3S	7	
36E 2S	17	
36E 1S	10	
36E BLO	1742	1299
36E 1N	3	
36E 2N	5	
36E 13N	3	
40E 1N	7	
40E 2+20N	3	
40E 4N	Ni 1	
40E 7N	Ni 1	
40E 11N	3	
40E 12N	2	

Certified by

G. Lebel / Manager

P.O. Box 10, Swastika, Ontario P0K 1T0

Telephone (705) 642-3244

FAX (705) 642-3300



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A Division of Assayers Corporation Ltd.

Assaying - Consulting - Representation

Established 1928

Geochemical Analysis Certificate

0T-0490-SG1

Company: HENRY HUTTERI

Date: SEP-07-90

Project:

Copy 1. BOX 397, SOUTH PORCUPINE, ONT. P0N 1H0

Attn: ED KORBA / H. HUTTERI

We hereby certify the following Geochemical Analysis of 13 SOILS samples submitted AUG-30-90 by .

Sample Number	Au ppb
L-40E-5+50 S	2
L-40E-2+50 S	2
L-40E-13 N	Nil
L-40E-15 N	Nil
L-40E-16 N	9/3
L-44E-4 S	Nil
L-44E-3 N	Nil
L-44E-4 N	2
L-44E-7 N	Nil
L-44E-10 N	Nil
L-44E-11 N	Nil
L-44E-12 N	Nil
L-44E-15 N	Nil

Certified by

G. Lebel / Manager

P.O. Box 10, Swastika, Ontario P0K 1T0

Telephone (705) 642-3244

FAX (705) 642-3300

Appendix B

SIGNIFICANT RESULTS FROM PROSPECTING
(grabs)

Sample #	Au (ppb)	Description
SP-9	103	1a, carb, 1-2% py, qs
SP-12	734	IF, sil, carb, 3-5% cg py, qs
SP-20	758	IF, qs, carb, py
SP-22	34	IF, carb, py, qs
SP-24	55	1' qv with coarse py

SIGNIFICANT SOIL GEOCHEM RESULTS
"B Horizon"

Location	Au (ppb)
L20E / 8N	9
L20E / 12N	12
L24E / 5S	10
L24E / 6N	12
L28E / 6N	43
L32E / 3+50S	14
L36E / 2S	17
L36E / 1S	10
L36E / BLO	1742
L40E / 16N	9

Sample #	Au (ppb)	Description
SPT-8-8	312	IF, carb, 1-2% py
SPT-8-10	254	rusty yellow qv (float)
SPT-8-12	48	IF, carb, 2-3% py
SPT-8-13	250	cg py in 1' yellow qv
SPT-8-17	487	20% py in IF
SPT-8-19	377	3-5% py in 1-2' IF, carb
SPT-8-21	439	1% py, qs in IF, carb
SPT-9-12	93	IF, carb, ser
SPT-9-13	75	1-2% py in IF, carb

SIGNIFICANT RESULTS FROM TRENCHES
(grabs)

Sample #	Au (ppb)	Description
SPT-3-8	137	6" qv in carb zone
SPT-3-18	48	2-3% py in qs & qv in IF with carb
SPT-3-19	34	carb schist
SPT-3-24	113	3-5% py in chloritic IF
SPT-3-29	240	2-3% py in IF, carb
SPT-3-30	857	5% py in chloritic IF
SPT-4-5	45	carb zone / IF with qs, <1% py
SPT-4-6	45	carb zone / IF with qs, <1% py
SPT-4-12	34	2-3" qv in IF with coarse py in vein (float)
SPT-4-13	285	2-3% py & qs in IF, carb
SPT-5-10	302	2-3% py in IF, carb-few qs with py
SPT-6-5	38	2" qv in carb zone
SPT-6-18	58	IF, carb, 1% py
SPT-6-21	593	IF/carb zone, siliceous, qs, 1% py
SPT-7-2	1087	1-2% coarse py in IF, carb
SPT-7-3	65	1% py, 40% qv & qs with cg py in IF, carb
SPT-7-4	86	qv & qs in carb altered IF, 1-2% py
SPT-7-5	14,400 (0.353 opt)	20% cg py & minor qs in IF, carb
SPT-7-6	58	qv & qs in IF, carb, minor py

Report of Work Conducted After Recording Claim
Mining Act

Transaction Number
W9260.00044

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions about this collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Fourth Floor, 159 Cedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 870-7264.

2.14609

- Instructions:
- Please type or print and submit in duplicate.
 - Refer to the Mining Act and Regulations for req. Recorder.
 - A separate copy of this form must be completed
 - Technical reports and maps must accompany th
 - A sketch, showing the claims the work is assign



900

Recorded Holder(s) <i>Henry Hutteri, Ed Korba</i>		Client No. <i>147174/153331</i>
Address <i>Box 59, Porcupine, Ont. P0N1C0</i>		Telephone No. <i>235-3546</i>
Mining Division <i>Porcupine</i>	Township/Area <i>Shaw</i>	M or G Plan No. <i>6-3999</i>
Dates Work Performed From: <i>Aug 29/1990</i>		To: <i>Sept 3, 1990</i>

Work Performed (Check One Work Group Only)

Work Group	Type
Geotechnical Survey	
Physical Work, including Drilling	
Rehabilitation	
Other Authorized Work	
Assays	<i>rock assays</i>
Assignment from Reserve	

RECORDED
JUN - 9 1992
Receipt

Total Assessment Work Claimed on the Attached Statement of Costs \$ 2103⁰⁰

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
<i>Henry Hutteri</i>	<i>Box 59, Porcupine Ont. P0N1C0</i>

RECEIVED
JUN 11 1992

(attach a schedule if necessary)

MINING LANDS BRANCH

Certification of Beneficial Interest * See Note No. 1 on reverse side

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date <i>Mar 9/92</i>	Recorded Holder or Agent (Signature) <i>Henry Hutteri</i>
--	-------------------------	--

Certification of Work Report

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and annexed report is true.		
Name and Address of Person Certifying <i>Henry Hutteri Box 59, Porcupine, Ont P0N1C0</i>		
Telephone No. <i>235-3546</i>	Date <i>Mar 9/92</i>	Certified By (Signature) <i>Henry Hutteri</i>

For Office Use Only

Total Value Cr. Recorded <i>2103⁰⁰</i>	Date Recorded <i>JUNE 9th 1992</i>	Mining Recorder <i>[Signature]</i>	Received By RECEIVED
	Deemed Approval Date <i>SEPT. 7/92</i>	Date Approved	JUN 9 1992
	Date Notice for Amendments Sent		<i>@ 3:00 pm</i>

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units
	1130882	1
	1130883	1
	1130884	1
	1130885	1
	1130886	1
	1131420	1
	1131422	1
	1131423	1
	1131424	1
	1131425	1
	1131426	1
Total Number of Claims		

Value of Assessment Work Done on this Claim	Value Applied to this Claim
105	0
1368	0
105	0
210	0
315	0
0	350 HR
0	350 HR
0	350 HR
0	351 HR
0	351 HR
0	351 HR
Total Value Work Done	
2103	2103
Total Value Work Applied	

Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
105	
1368	
105	RECEIVED JUN 11 1992 MINING LANDS BRANCH
210	
315	
Total Assigned From	
2103	
Total Reserve	

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to prioritize the deletion of credits. Please mark (✓) one of the following:

1. Credits are to be cut back starting with the claim listed last, working backwards.
2. Credits are to be cut back equally over all claims contained in this report of work.
3. Credits are to be cut back as prioritized on the attached appendix.

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.

Signature

Date



Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des mines

Statement of Costs
for Assessment Credit

État des coûts aux fins
du crédit d'évaluation

Mining Act/Loi sur les mines

Transaction No./N° de transaction

ASSAYS → W9260.00044

PTRENCH W9260.00043

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la Loi sur les mines et serviront à tenir à jour un registre des concessions minières. Adresser toute question sur la collecte de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4^e étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour <i>Sampling 5 days</i> Main-d'oeuvre <i>150/d</i>	\$ 750	\$ 750
	Field Supervision Supervision sur le terrain		\$ 750
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type <i>Supervise</i> Trenching	<i>6 d @ 200/d</i> 1200	1200
	Drafting <i>3 d @ 150/d</i>	450	450
			1650
Supplies Used Fournitures utilisées	Type <i>Assaying (rock)</i>	2103	2103
Equipment Rental Location de matériel	Type <i>Backhoe - 4 days, 47.5 hours</i>		
RECEIVED			\$ 3472
Total Direct Costs Total des coûts directs			\$ 7975

2. Indirect Costs/Coûts indirects

** Note: When claiming Rehabilitation work Indirect costs are not allowable as assessment work.
Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type <i>875 x .35/km</i> mileage	\$ 306	\$ 306
Food and Lodging Nourriture et hébergement	Receipt _____		
Mobilization and Demobilization Mobilisation et démobilité			
Sub Total of Indirect Costs Total partiel des coûts indirects			\$ 306
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excedant pas 20 % des coûts directs)			\$ 306
Total Value of Assessment Credit (Total of Direct and Allowable indirect costs)			\$ 8281

RECORDED
JUN - 9 1992

MINING LANDS BRANCH

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note : Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

Filing Discounts

- Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
- Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit	Total Assessment Claimed
x 0.50 =	

Remises pour dépôt

- Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
- Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation	Evaluation totale demandée
x 0,50 =	

Certification Verifying Statement of Costs

I hereby certify:
that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

that as Recorded Holder I am authorized
(Recorded Holder, Agent, Position in Company)

to make this certification

Attestation de l'état des coûts

J'atteste par la présente :
que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Et qu'à titre de _____ je suis autorisé
(titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation.

Signature Kenny Mitten Date March 9/92



Ontario

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Geoscience Approvals Section
Mining Lands Branch
159 Cedar Street, 4th Floor
Sudbury, Ontario
P3E 6A5

Telephone: (705) 670-7265
Fax: (705) 670-7262

Our File: 2.14609
Transaction #: W9260.00044

September 2, 1992

Mining Recorder
Ministry of Northern Development
and Mines
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Dear Sir:

RE: Approval of Assessment Work on mining claim P 1130882 et al. in
Shaw Township.

The Assessment Credits for ASSAYS, section 17 of the Mining Act
Regulations, as listed on the original Report of Work, have been
approved as of SEPTEMBER 1, 1992.

Please indicate this approval on the claim record sheets.

If you have any questions please call Clive Stephenson at
(705) 670-7251.

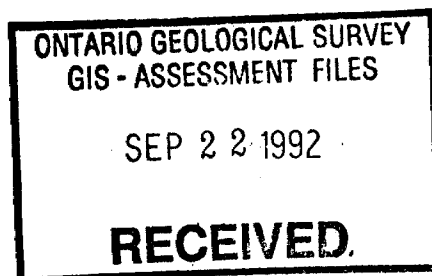
Yours sincerely ,

Ron C. Gashinski
Senior Manager, Mining Lands Branch
Mines and Minerals Division

CDS
CDS/jl

Enclosures:

cc: ✓ Assessment Files Office
Toronto, Ontario



Resident Geologist
Timmins, Ontario

MAP SYMBOLOGY

Aerial Cableway	Pipeline
Boundary	Railroad
International	Single Track
Provincial	Double Track
Lot, Township	Abandonment
Approximate	Turntable
Lot, Contention	Road
Approximate	Highway, County
Post Boundary	Township
Bridge	Access (Load of doubtful)
Road, Railroad	(Significant driveway)
Building	Trail, Bush Road
Chimney	(Private, Utility)
Cliff, Pit, Pile	Double line river
Contours	with multiple rapids
Approximate	Reservoir
Reservoir	River, Stream, Canal
Control Points	Approximate
Horizontal	Location
Vertical	Location of View
Culvert	Rock
Falls	Monument
Double line river	Spot Elevation
Fence, Hedge, Wall	(See elevations)
Feature Outline	Tower
(Construction features, etc.)	Transmission Line
Flooded Land	Palisade
Leak	Pyram
Marsh or Swamp	Utility Poles
West	Wharf, Dock, Pier
Mine Head Frame	Wooded Area
Outcrop	

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. - MINING RIGHTS ONLY	
S.R.O. - SURFACE RIGHTS ONLY	
M.S. - MINING AND SURFACE RIGHTS	
Description	Order No.
REC. PURP. SEC. 3. PLA.	18883
W. 97/77	18/12/77
S.R.O.	86588

SAND AND GRAVEL

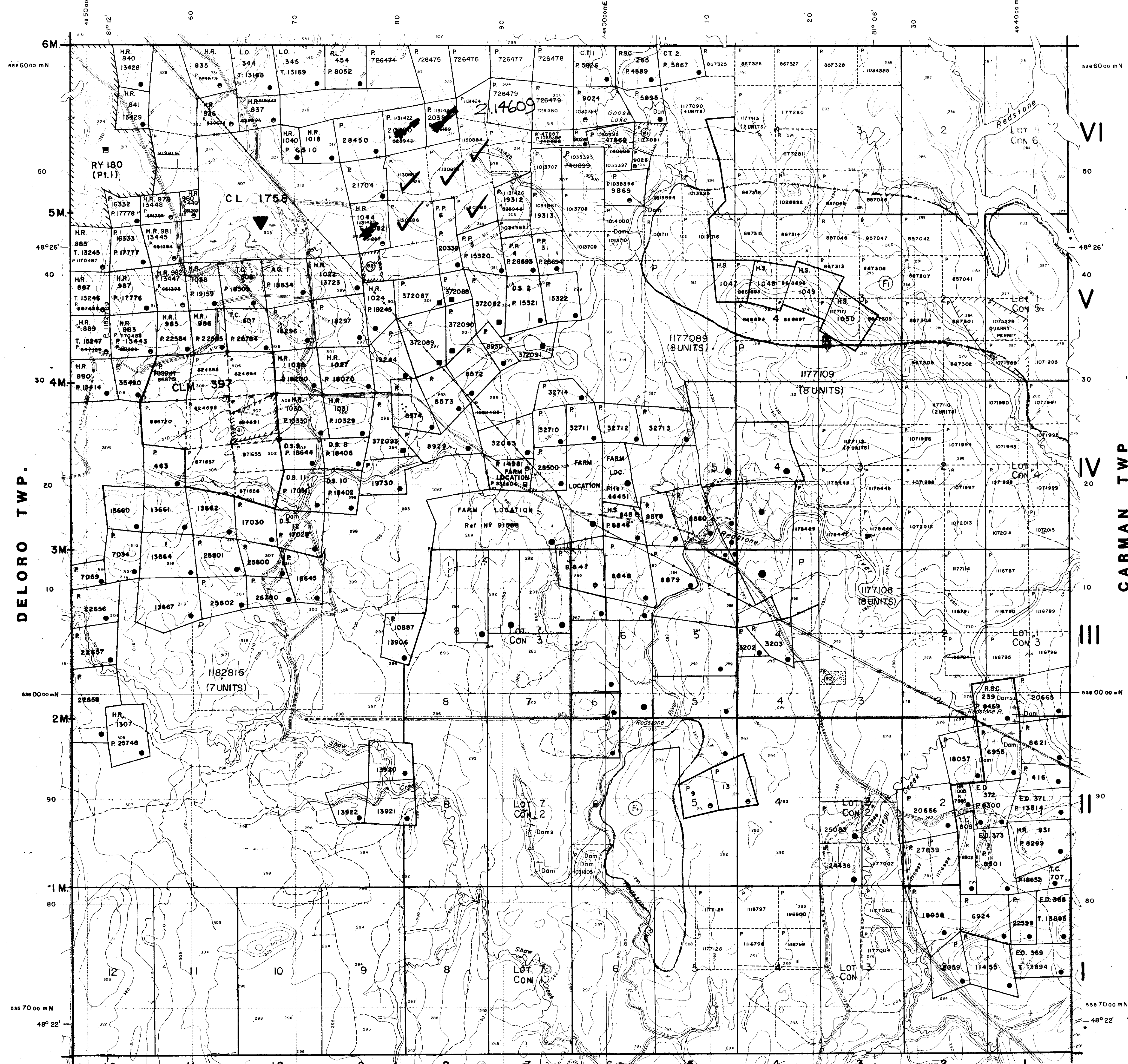
BRAVEL	83688
BRAVEL	89790

THIS TWP. SUBJECT TO FOREST ACTIVITY IN 1991/92.
FURTHER INFORMATION AVAILABLE ON FILE.

RECEIVED
JUN 6 1992

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

WHITNEY TWP.



ELDORADO TWP.

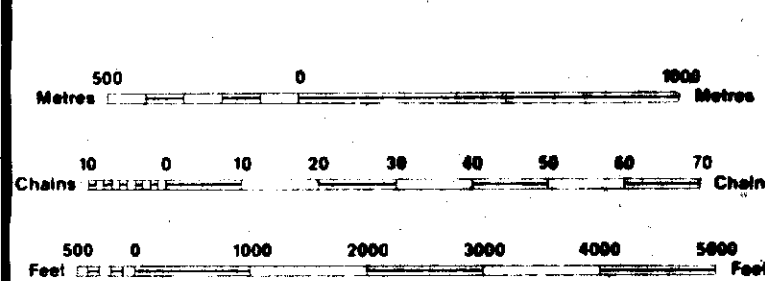
LEGEND

HIGHWAY AND ROUTE No.	
OTHER ROADS	
TRAILS	
SURVEYED LINES	
TOWNSHIPS, BASE LINES, ETC.	
LOTS, MINING CLAIMS, PARCELS, ETC.	
UNSURVEYED LINES	
LOT LINES	
PARCEL BOUNDARY	
MINING CLAIMS ETC.	
RAILWAY AND RIGHT OF WAY	
UTILITY LINES	
NON-PERENNIAL STREAM	
FLOODING OR FLOODING RIGHTS	
SUBDIVISION OR COMPOSITE PLAN	
RESERVATIONS	
ORIGINAL SHORELINE	
MARSH OR MUSKEG	
MINES	
TRAVERSE MONUMENT	

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" SURFACE RIGHTS ONLY	○
" MINING RIGHTS ONLY	◐
LEASE, SURFACE & MINING RIGHTS	◑
" SURFACE RIGHTS ONLY	◒
" MINING RIGHTS ONLY	◓
LICENCE OF OCCUPATION	◔
ORDER-IN-COUNCIL	◕
RESERVATION	◖
CANCELLED	◗
SAND & GRAVEL	◘

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 8, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 360, SEC. 63, SUBSEC. 1.



SCALE 1:20 000
GRID ZONE 17

RECEIVED
JUN 11 1992
MINING LANDS BRANCH

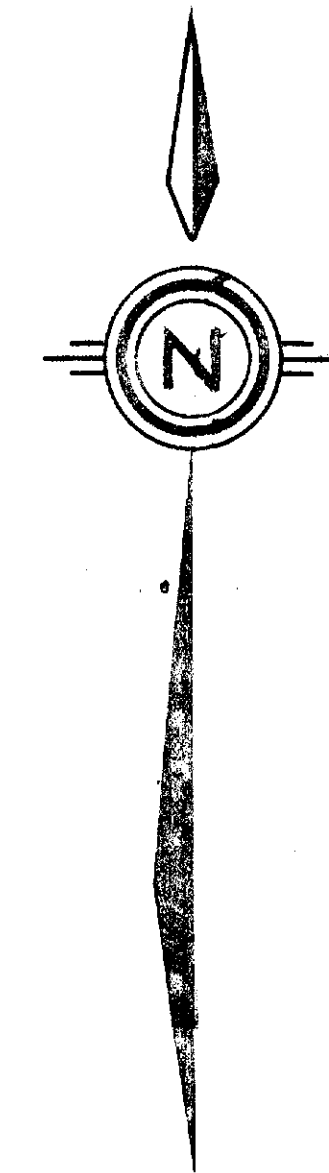
TOWNSHIP
SHAW
M.N.R. ADMINISTRATIVE DISTRICT
TIMMINS
MINING DIVISION
PORCUPINE
LAND TITLES / REGISTRY DIVISION
COCHRANE

Ministry of Natural Resources
Land Management Branch
Ontario

ORIGINAL COMPILATION JULY 1984
IN SERVICE DEC. 1991
REVISED
Number
G-3999



P. 21704



LEGEND

- 1a Mafic to Intermediate Volcanics
- 2 Carbonate±sericite Schist
- 3 Iron Formation
- 4 Carbonate Zone
- qv quartz vein
- qs quartz stringers
- cb/carb carbonate alteration
- ser sericite alteration
- sil silicification
- py pyrite

SYMBOLS

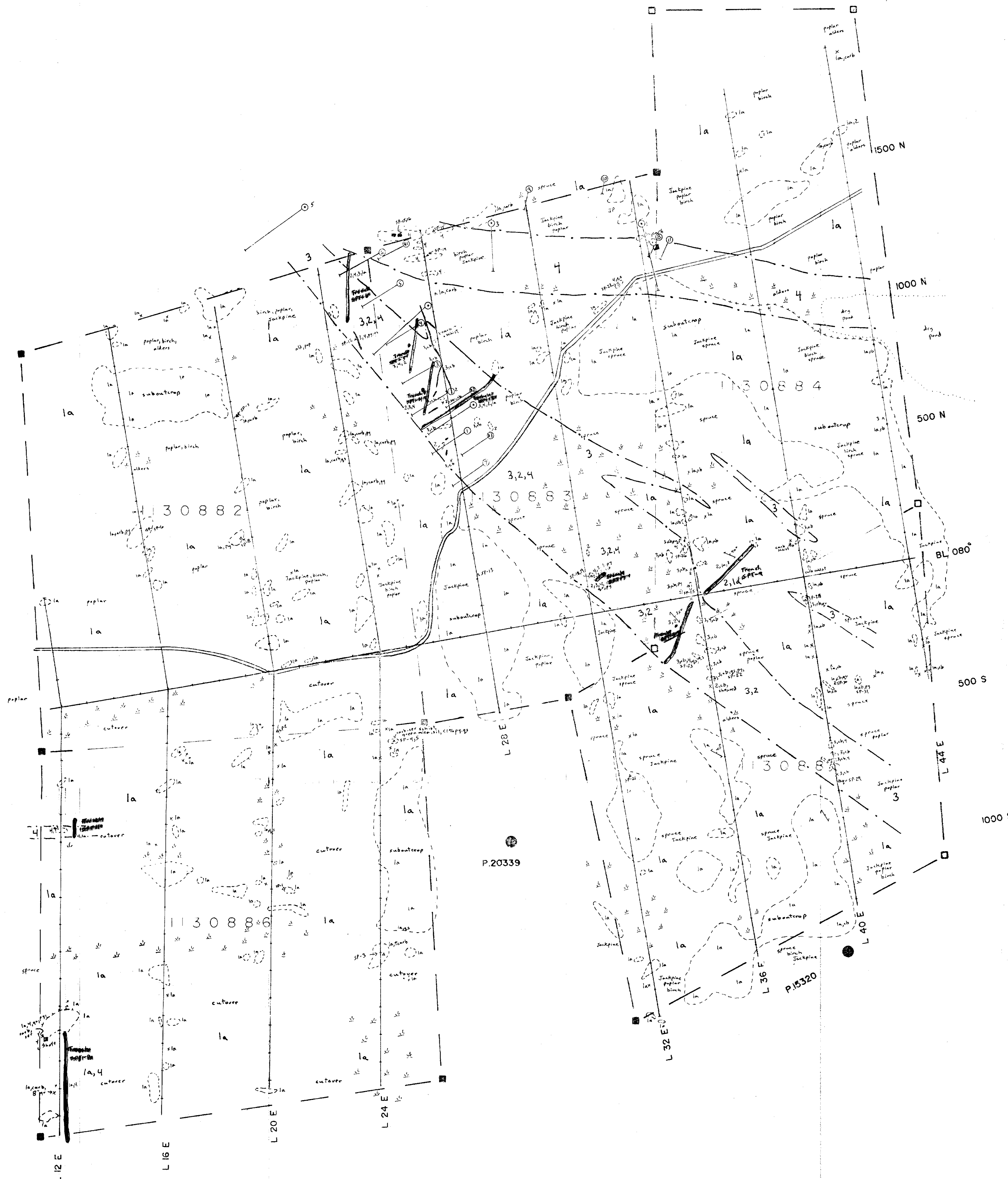
- outcrop
- float
- geological contact
- overgrown trenches and pits
- recent trench
- shaft
- sample location and number
- swamp
- foliation direction and dip
- Flintrock drill hole (approx. location)
- Lacana drill hole (approx. location)

2.14609

GEOLOGY

PROJECT: SHAW TOWNSHIP PROPERTY

Date	Nov. 1990	Twp	Shaw
Scale	1: 2400	Figure	1



42ABNE8344 2.14609 SHAW