



41016SW2004 2.20484 BENTON

010

REPORT ON
GEOLOGICAL AND GEOCHEMICAL SURVEYS
ON 2 CLAIMS,
BENTON TWP., ON.
N.T.S. 41-O-16

SUBMITTED BY:
RAYMOND L. LASHBROOK
AUG. 08, 2000

2. 20484

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OFFICE



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Attachments

- Assay Certificates - Rock Samples
- Assay Certificates - Soil Samples

Back Pocket

- Geology Map - 1:2,500
- Geochemical Map - Au, Ag, Cu, Zn, Pb

INTRODUCTION

A program consisting of line cutting, prospecting and mapping, and a B-horizon soil sampling survey was performed over 2 claims consisting of 18 units in the Township of Benton.

The reason for the work was to relocate, reassess and upgrade work previously performed by Weaco Resources Inc. in 1986. This work had identified 6 max-min conductors. The company drilled 3 holes on three different conductors intersecting disseminated to massive sulfides containing low values in gold in two of the conductors. The best intersection for gold returned 0.09 oz./ton over 5.5 feet in a section of dark grey coloured felsic rock containing fine disseminated magnetite in threads and stringers and ~1% disseminated pyrite within the rhyolite breccia. The massive sulfide sections were not assayed for base metals - Cu, Zn, or Pb.

Weaco interpreted the massive sulfides as being sulfide facies iron formation, however in the core logs no mention was made or indicated the presence of magnetite, chert or jasper. In these sections the massive to semi-massive sulfides are inter-bedded with felsic cherty tuff at the top of an altered felsic volcanic. There is a strong possibility that they are typical volcanogenic massive sulfides instead of sulfide facies iron formation. The economic implication of this interpretation is much higher.

PROPERTY LOCATION and ACCESS

The property is located in the extreme northeast portion of Benton Township. Access is via the Sultan Industrial Road west from highway 144 for 56 kilometers to the Dore Road. The Dore Road is taken north for 16 kilometers to the Heenan Road and then for a further 12 kilometers north and east into the cut over area. From here a series of skidder roads lead south to the north boundary of the claim block.

PROPERTY

The property consists of 2 -9 unit claims numbered 1235403 and 1235404 for a total of 288 hectares. The claims are recorded in the name of:

Raymond Lashbrook
973 Pine Creek Road
Callander, ON., P0H 1H0

The claims were recorded on Oct. 06, 1998

LINE CUTTING PROGRAM

A baseline was established by turning a line at an azimuth of 205 degrees from the line post 400 meters west of the #4 post of claim 1235404. This line was cut and chained for 200 meters and then the baseline was turned 90 degrees from this line. The baseline was cut for 1650 meters at an azimuth of 115 degrees with lines being established every 100 meters. A chaining error, that was found after some of the lines to the east were cut, occurred between L500W and L400W resulting in 150 meters between these 2 lines.

The line numbering was then changed and a new line 4W was cut resulting in two 50

...ture and mineralogy of the 2000 m... ..



Figure 36.2a. Townships, major lakes and roads (heavy black lines) for the Swayze project area. The distribution of greenstone belt rocks and major intrusions is indicated by the fine dashed lines and shading. This figure is to be used in conjunction with Figure: 36.2b.

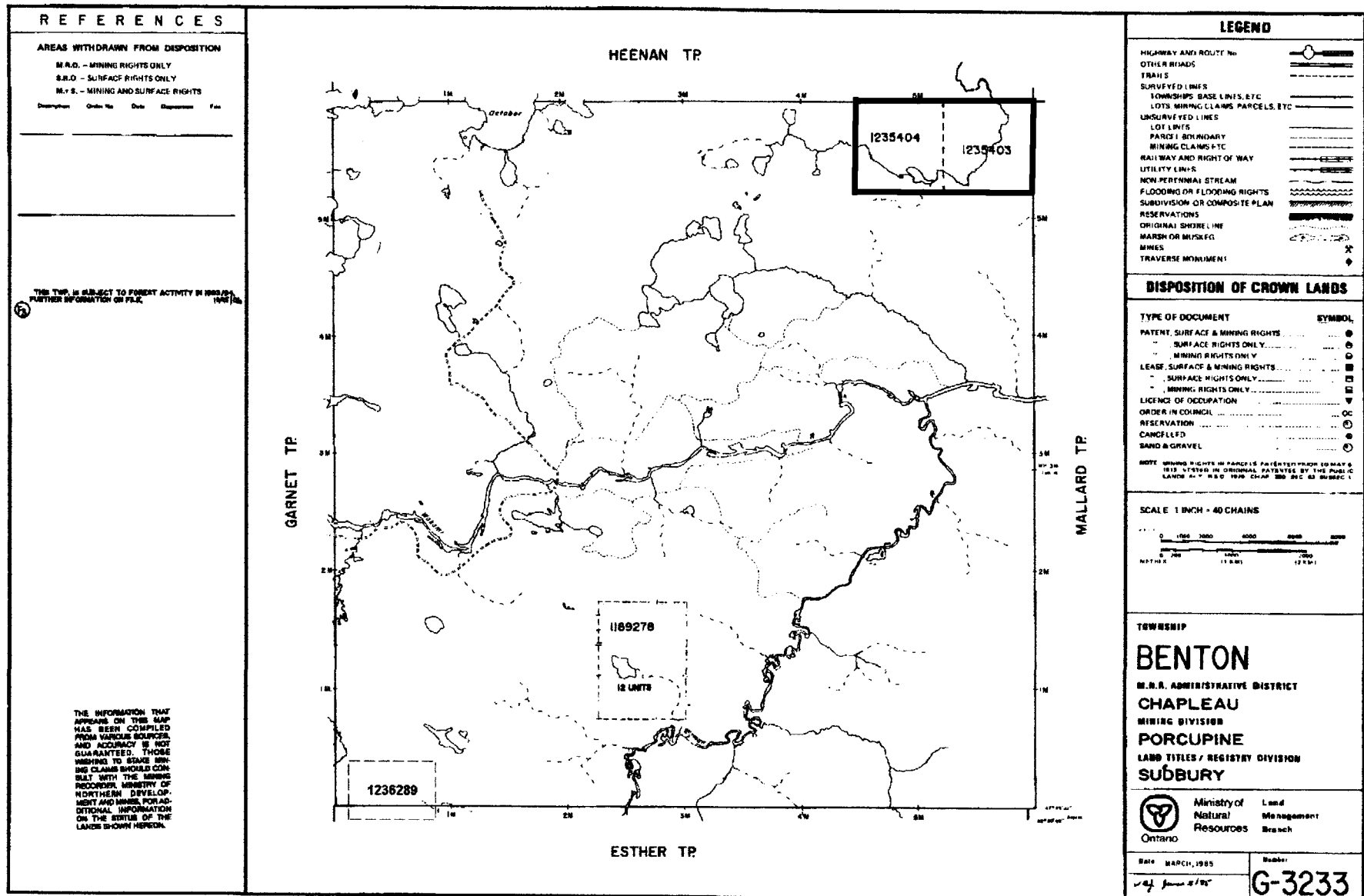


fig 2

NEWTON TWP.

THE TOWNSHIP
OF
HEENAN

DISTRICT OF
SUDBURY
PORCUPINE
MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

LEGEND

PATENTED LAND	Ⓟ
CROWN LAND SALE	C.S.
LEASES	Ⓛ
LOCATED LAND	L.C.
LICENSE OF OCCUPATION	L.O.
MINING RIGHTS ONLY	M.R.O.
SURFACE RIGHTS ONLY	S.R.O.
ROADS	—
IMPROVED ROADS	—
KING'S HIGHWAYS	—
RAILWAYS	—
POWER LINES	—
MARSH OR MUSKEG	—
MINES	Ⓜ
CANCELLED	ⓧ
LAND USE PERMIT	Ⓜ

NOTES

400' Surface rights reservation around the shores of all lakes and rivers

Ⓟ SURFACE AND MINING RIGHTS RE-OPENED TO PROSPECTING, STAKING OUT, SALE OR LEASE UNDER SECTION 34 OF THE MINING ACT R.S.O. 1990 EFFECTIVE 03-MAY-08 AT 7:08 AM E.S.T. ORDER NO. D-2-1493-NER DATED 02-APR-18

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.

CHECKED BY D. CHOLETTE
IN SERVICE OCT. 24/88

PLAN NO. **G-1139**

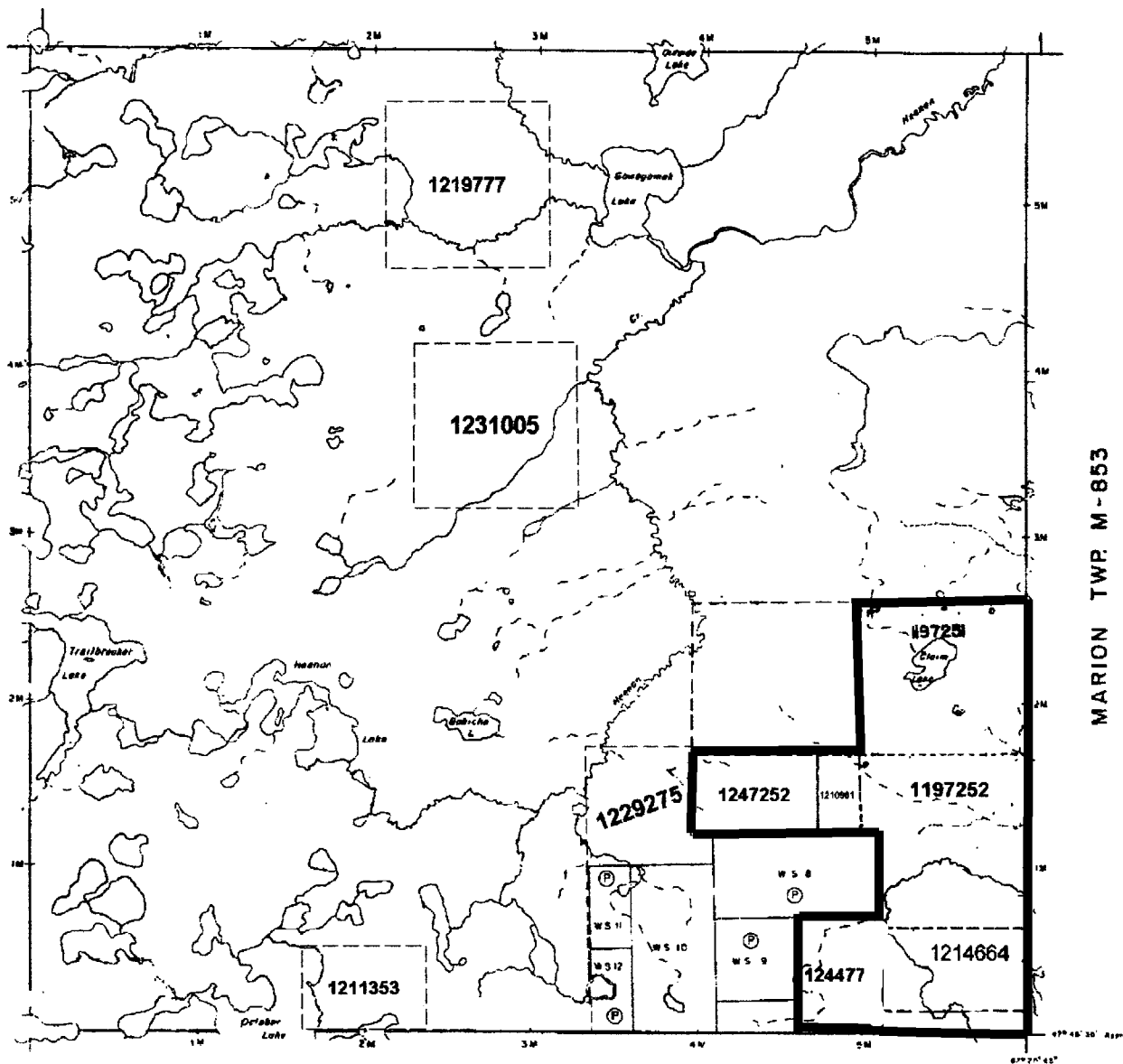
**ONTARIO
DEPARTMENT OF MINES
AND NORTHERN AFFAIRS**

DORE TWP. M-763

MARION TWP. M-853

BENTON TWP. M-659

Fig. 3



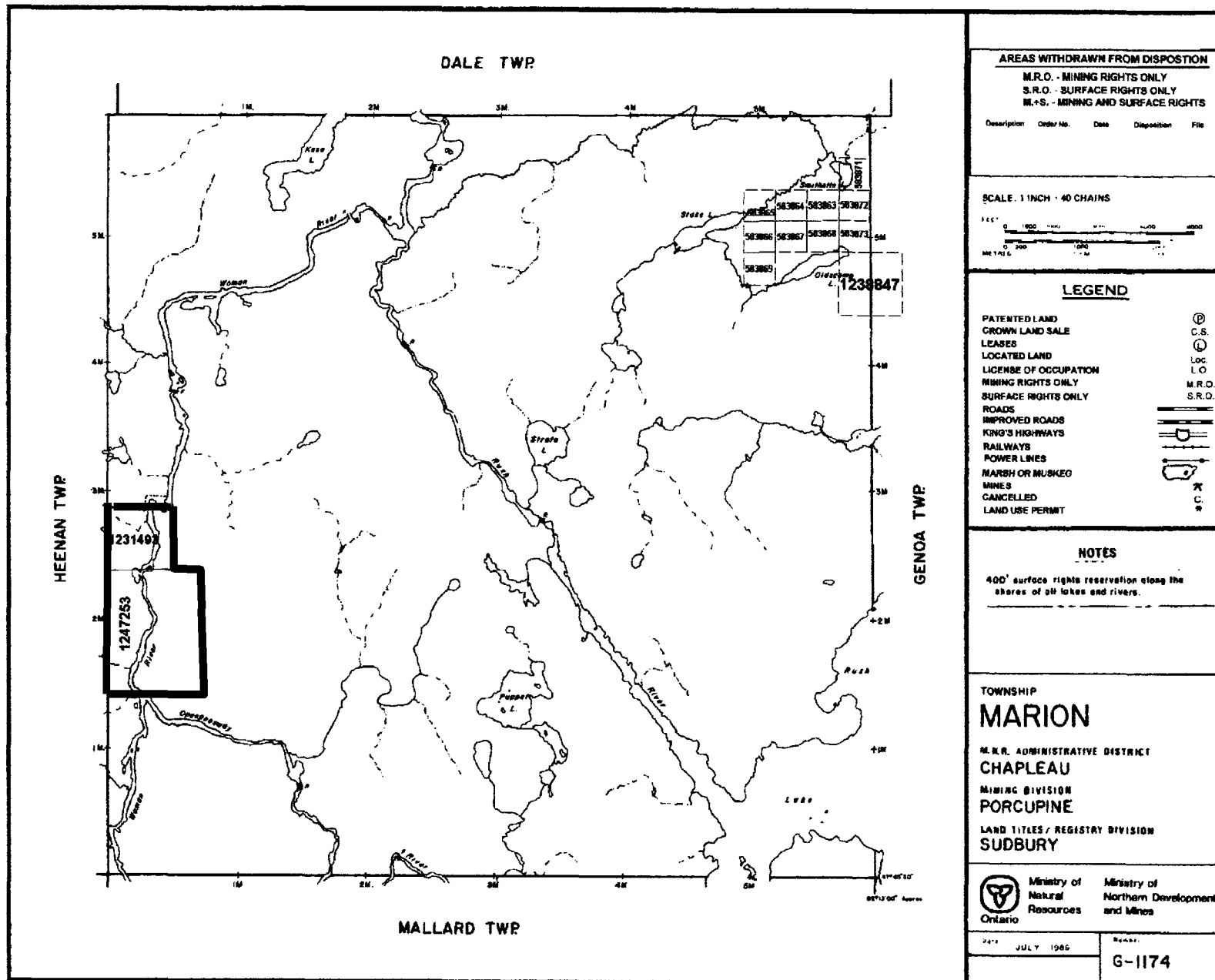


Fig-4

AREAS WITHDRAWN FROM DISPOSITION
M.R.O. - MINING RIGHTS ONLY
S.R.O. - SURFACE RIGHTS ONLY
M.+S. - MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File

SCALE: 1 INCH = 40 CHAINS

LEGEND

- | | |
|-----------------------|---|
| PATENTED LAND | Ⓟ |
| CROWN LAND SALE | Ⓢ |
| LEASES | Ⓛ |
| LOCATED LAND | Ⓛ |
| LICENSE OF OCCUPATION | Ⓛ |
| MINING RIGHTS ONLY | Ⓛ |
| SURFACE RIGHTS ONLY | Ⓛ |
| ROADS | — |
| IMPROVED ROADS | — |
| KING'S HIGHWAYS | — |
| RAILWAYS | — |
| POWER LINES | — |
| MARSH OR MUSKOG | — |
| MINES | Ⓢ |
| CANCELLED | Ⓢ |
| LAND USE PERMIT | Ⓢ |

NOTES

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

TOWNSHIP
MARION
M.M.R. ADMINISTRATIVE DISTRICT
CHAPLEAU
MINING DIVISION
PORCUPINE
LAND TITLES / REGISTRY DIVISION
SUDBURY

Ministry of Natural Resources
Ministry of Northern Development and Mines

DATE: JULY 1985
Sheet: **G-1174**

meter spaced lines and 50 meter numbered lines thereafter. Stations were established every 25 meters along the lines.

The old grid that was cut in 1985 was almost completely obliterated with only a few blazes noted in places.

REGIONAL GEOLOGY

The property lies within the Swayze Volcanic Complex of the Abitibi Sub-province, which is the largest assemblage of Archean meta-volcanics and meta-sediments in the Canadian Shield. The east trending Swayze Belt is 25 kilometers wide at the eastern edge and 74 kilometers long. It is terminated against the Kapuskasing Structural Zone by a north-south trending fault.

Recent re-mapping of the Swayze Belt by Kevin Heather, et al, has redefined the belt by age dating and stratigraphy. The mapping shows that the felsic meta-volcanics and the iron formation belong to the Marion Felsic Volcanic series while the mafic volcanics probably belong to the October Lake Mafic Volcanic series.

PROSPECTING AND GEOLOGICAL MAPPING PROGRAM

Property Geology

The property is located in the Swayze greenstone belt and is underlain by Marion Felsic to Intermediate Package, the Woman River Iron Formations and the October Lake Mafic to Ultramafic Package on the south limb of the Woman River antiform. According to

47°45'

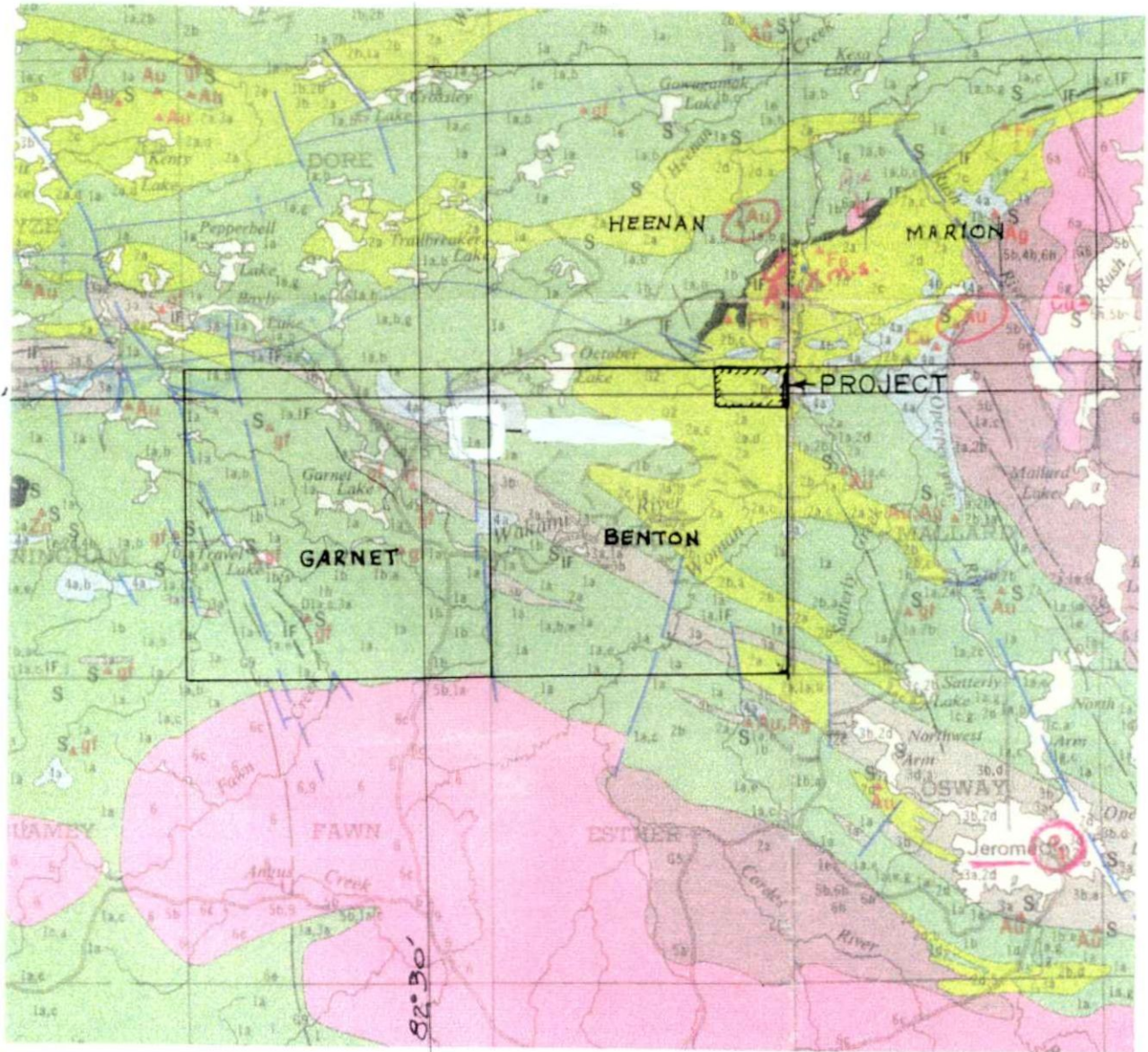


Figure 5- GEOLOGY MAP

Heather this highly attenuated zone has resulted in the dislocation of the Woman River Iron Formation forming isolated boudins and in places a higher degree of alteration, i.e. quartz-sericite alteration of felsic volcanics.

Felsic Volcanics

The oldest units on the property are the felsic volcanics belonging to the Marion Felsic to Intermediate Package (2725 Ma) as defined by Kevin Heather et al, in their recent mapping of the Swayze Belt. These rocks consist of massive flows, breccias and tuffs. In places abundant quartz-eyes can be seen in the fragments along with quartz crystal tuffs (1+75W, 2+50N). The massive flows tend to be not as thick as noted further north in Marion and Heenan Townships. Inter-bedded with the felsic units are thin units of mafic volcanic flows and/or tuffs. The fragmental rocks tend for the most part to be lapilli in size, monolithic and angular. Colour is mainly white to light green in colour with certain areas becoming quite reddish due to alteration (hematisation) and darker green due to chloritisation.

At 4+90N/0+40E an outcrop of hydro-fractured felsic volcanic with a jigsaw-fit texture consists of angular pink to reddish fragments set in a matrix of very fine grained felsic material, magnetite and pyrite. The magnetite consists mainly of octahedrons to 0.3 mm in diameter. The pyrite is as fine cubes to 0.8 mm. This style of breccia is similar to other locations that contained anomalous gold values in surface and diamond drill core sampling.

Alteration of the felsic volcanics consists of mainly sericite with lesser chlorite. Magnetite was noted in numerous outcrops within breccia zones containing quartz veining and pyrite. Surface sampling of these zones returned values up to 1,539 ppb gold. Good sections through the felsic volcanics can be gleaned from the drill logs in the previous diamond drilling by Weaco Resources Inc.

In diamond drill hole W-86-2 the hole was drilled down stratigraphy and went from mafic volcanics to thin felsic-pyritic (20%) tuffs, to cherty-pyritic (20-65%) tuff/iron formation, to massive pyrite (100%). The massive sulfide unit is in contact with a thin, highly chloritic unit and then into an altered rhyolite breccia. The rhyolite breccia grades down stratigraphy from a chlorite-magnetite matrix to one with sericite and quartz stringers. Further down the hole a 5.5' section described as dark grey colour with finely disseminated magnetite in threads and stringers and 1% pyrite returned a value of 3,040 ppb gold.

In diamond drill hole W-86-1, located over 500 meters to the south of the above drill hole, the felsic volcanics, located stratigraphically below a banded iron formation, consist of a sheared and sericitized crystal tuff unit becoming slightly more chloritic down section. Minor disseminated pyrite, magnetite and chalcopyrite were noted in the hole.

Iron Formation

Over-lying the felsic units are Iron Formations. On the property these consist of two types (a) chert-jasper-carbonate-magnetite to the south and (b) chert-sulfide to the north. On the south side the iron formation noted in outcrop has carbonate units inter-bedded with the chert and jasper and weathers a dark brown. Fine disseminated pyrite was

noted through this outcrop. To the east the intersection in W-86-1 described basically a banded iron formation consisting of chert-jasper-magnetite with minor pyrite and chalcopyrite. No carbonate facies iron formation was noted or possibly just not recognized. The sulfide facies iron formation(?) was intersected in W-86-2 and W-86-3 but was not noted in outcrop. In these drill holes the sulfide facies iron formation is interbedded in the felsic volcanics and is mainly associated with felsic tuff that has been kaolinized and sericitized. Anomalous values up to 990 ppb gold over 0.4 meters was returned from assaying within these sections.

Mafic to Ultramafic Volcanics

The mafic to ultramafic volcanic rocks consists of mainly massive flows that vary from dark green, medium grained to light green, coarse grained dioritic appearing units. Near the baseline several outcrops were found to be weakly to moderately magnetic. To the south some outcrops were stripped that contained pillowed flows. These pillows are generally small with thin selvages. Cherty quartz as vesicle fillings were noted indicating tops to the south to southwest.

Within the diamond drilling numerous intersections of thin basaltic units were described inter-bedded with the rhyolite breccia. In places in outcrop these units were noted to be weakly carbonated. Minor disseminated pyrite was seen in places.

Outcrops of possible diorite were noted in the field, however they were mainly lumped in with the mafic to ultramafic units as more study is needed to determine if they are intrusive or extrusive as no contact relationships were observed. It is probable that they

are the coarser grained central portions of the mafic volcanic flows.

Granodiorite

A granodiorite was logged in W-86-3 and described as being fine to medium grained, massive, pale grey, fresh, slightly magnetic and finer grained at both contacts. This unit is probably a dyke that cuts through the iron formation in this area. No outcrop of this unit was found.

Diabase

Diabase was noted in outcrops on L350E, 1+00S. It is a fine to medium grained, dark green to black.

MINERALIZATION

On the property sulfide mineralization is mainly located within the massive sulfide /exhalite horizon and the underlying zone of hydro-fractured felsic breccia. This massive sulfide horizon has been traced in a northwesterly direction across the northern portion of the property by magnetometer and max-min II geophysics. The underlying hydro-breccia has been located in several outcrops along at least a 600 meter length.

A hydro-fracture breccia normally forms beneath a massive sulfide or iron formation and is the conduit zone that focuses the hydrothermal fluids. On the property the mineralization within the hydro-fracture system is mainly magnetite and pyrite with an appreciable gold content (up to 0.09oz/ton/5.5'). Overlying this system is a massive to semi-massive /cherty felsic tuff horizon. This horizon was not located on surface however it has been intersected by 2 diamond drill holes. This zone was 20.6' thick in W86-2 and 18.5' thick in W86-3. The drill holes are 2,000' apart and were put down to

test a coincidental max-min II/magnetic anomaly that is at least 5,600' long.

The massive sulfides appear to be only pyrite however no assays were done for base metals. Minor disseminated chalcopyrite was noted in drill hole W-86-1.

SOIL SAMPLING GEOCHEMICAL PROGRAM

The soil sampling program was designed to cover areas thought to have a higher mineral potential. These areas were chosen from the recent mapping and prospecting program, from previous geophysical work on the property (max-min II and magnetometer surveys) and from diamond drilling. It was designed to cover mainly the felsic volcanic units and their contacts with the overlying iron formation, tuffs and mafic volcanics and along the trend of the max-min anomalies located by Weaco.

A total of 200 samples of "B" horizon soils were collected over a two-day period Nov. 12th and 13th, 1999 by two men (Mr. Robert Etches and Mr. Lloyd Caswell). The samples were collected by cleaning off the A-horizon soil and using a shovel to collect the B-horizon soil in manila bags. The samples were sent to Swastika Laboratories for multi-element analyses. A complete set of assay results are attached at the end of this report. A map consisting of the following elements (Au, Ag, Cu, Pb, Zn) was drafted and is presented in the back pocket.

Survey Results

The results of the survey indicate that the background average for the plotted elements are approximately Au-5ppb, Ag-2ppm, Cu-8ppm, Pb-6ppm, Zn-15ppm.

The soil survey located on the north side of the grid was designed to cover an east-west

trending max-min II conductor with a coinciding magnetic anomaly. From drilling this anomaly yielded 20.6' feet of massive to semi-massive sulfides along with up to 0.09 ounces per ton gold over 5.5' within felsic volcanics. It was hoped that the survey would define an area along the conductor with a better mineral potential than another.

For the most part there appears to be only minor correlations to these conductors, e.g. L550E, 3+75N (Au-12 ppb, Cu-18 ppm, Zn-59 ppm), however the mag/max-min II anomaly is taken from the Weaco results on an imperial grid and compared to the present metric grid leaving room for a discrepancy. The best result that does not appear to be related to the contact zone was located at L250W, 4+50N where sample #9432 returned 12 ppb Au, 54 ppm Cu, 16 ppm Pb and 58 ppm Zn. This sample is near an outcrop of rhyolite. Further checking will be required in this area.

In the south part of the grid the survey covered an area of felsic volcanics in contact with iron formation and mafic volcanics. The background level appears to be lower than the north section with for example numerous assay results returning nil to 3 ppb Au. An easterly trending magnetic - max-min II anomaly had been drilled in 1986 (W-86-1) and intersected iron formation, diorite and sericitized quartz-eye rhyolite which contained fine disseminated pyrite and chalcopyrite. On L650E, 1+25S and approximately 75 meters to the east of the drill hole one soil sample, #14091, returned anomalous base metal values (Cu-24 ppm, Pb-26 ppm and Zn-164 ppm). This was also the best overall assay results from this survey for base metal mineralization.

CONCLUSIONS

The mapping and soil sampling program located numerous new target areas that will require further work.

It has been demonstrated that gold values exist on the property and that they are located within quartz veins with magnetite and pyrite in altered rhyolite breccia (to 1,539 ppb or 0.044 o.p.t. Au and in drill core 0.09 o.p.t. Au over 5.5') and in the massive sulfide intersections in the drill core (670ppb /5' in 100% sulfides, 840 ppb/2.5' in 30% sulfides, 680 ppb/6.3' in 100% sulfides).

From the log description the massive sulfide horizon may be more akin to a volcanogenic massive sulfide deposit than a sulfide facies iron formation.

The diamond drilling performed by Weaco Resources only tested a small portion of the mag/max-min II anomalies that are, in the north of the property, at least 5,600' (1,700 meters) long.

The drill core was not assayed for base metals. The highest gold assay was not located in the massive sulfide horizon and in fact was described as containing "finely disseminated magnetite in threads and stringers" and "1% disseminated pyrite."

RECOMMENDATIONS

In light of the above positive conclusions regarding the property the following recommendations are made for further work on this property.

(a) That the line cutting be extended further to the north and northwest to cover the extension of the anomalies in that direction and to the east to cover the extension in that direction.

(b) That geophysical surveys consisting of mag and max-min II be performed over the whole of the property.

(c) That the property be mapped in its entirety.

(d) That a program of stripping, washing and sampling be undertaken to expose and sample the sulfide horizons.

(e) That the diamond drill core of Weaco Resources be re-sampled and assayed for gold and base metals

(f) Diamond drilling will be required to further explore the massive sulfide-gold potential of the property.

STATEMENT OF QUALIFICATIONS

I, Raymond L. Lashbrook, do hereby declare:

i) that I reside at: 973 Pine Creek Road, R.R.#1
Callander, Ontario, P0H 1H0

ii) that I attended Haileybury School of Mines in the Two Year Mining Technician course
from 1967 to 1969.

iii) that I have personal knowledge of the facts presented in this report.

iv) that I have a 25% interest in the property.

v) that I own a contract exploration company, Lashex Ltd., that performed the
assessment work being submitted.



Raymond L. Lashbrook
Aug. 04, 2000

BIBLIOGRAPHY

K.B. Heather, G.T. Shore, and O. van Breeman - Continental Geoscience Division, Geological Survey of Canada, Ottawa - Summary Report 1995-96, "Geological Investigation in the Swayze Greenstone Belt, Southern Superior Province, Ontario: A Final Field Update", #36, pages 61-72.

Gallo E.A. - Gallo Exploration Services Inc. "Report on Phase II Exploration results and Recommendations For Phase III Program, Swayze Project, Ontario , January 30, 1986, Weaco Resources Ltd. (assessment work submission)

ATTACHMENTS



Established 1928

Swastika Laboratories Ltd

Assaying - Consulting - Representation

Geochemical Analysis Certificate

0W-0084-RG1

Company: **R. LASHBROOK**

Date: JAN-13-00

Project: Benton

Ann: R. Lashbrook

We hereby certify the following Geochemical Analysis of 16 Rock samples submitted JAN-09-00 by .

Sample Number	Au PPB	Au Check PPB	Multi Element
B14101	353	-	Results to follow
B14102	965	-	
B14103	939	994	
B14104	1539	1479	
B14105	93	-	
B14106	624	633	
B14107	9	-	
B14108	24	-	
B14111	7	-	
B14112	10	15	
B14113	5	-	
B14114	2	-	
B14115	Nil	-	
B14116	Nil	-	
B14117	Nil	-	
B14118	Nil	-	

PROJECT BENTON TWP.
 ↑
 ↓
 GARNET TWP

One assay ton portion used.

 Certified by Denis Chambers

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

R. Lashbrook
 Attention: R. Lashbrook

Project: Benton

Sample: Rock

Swastika Laboratories Ltd.
 1 Cameron Ave., Swastika, Ontario, P0K 1T0
 Tel: (705) 642-3244 Fax: (705) 642-3300

Report No : 0W0084 RJ
 Date : Jan-20-00

MULTI-ELEMENT ICP ANALYSIS
 Aqua Regia Digestion

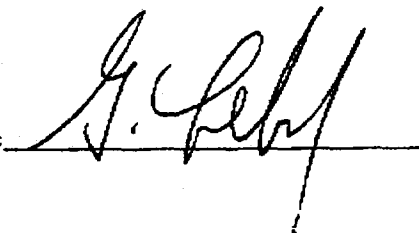
Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ce %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
B14101	1.4	0.23	<5	80	<0.5	<5	1.09	1	3	121	2	5.17	0.18	0.23	2230	2	0.04	8	110	12	<5	<1	<10	26	<0.01	10	<10	2	31	30
B14102	0.8	0.18	<5	70	<0.5	<5	0.19	1	2	134	<1	4.70	0.10	0.05	1385	4	0.06	8	170	6	<5	<1	<10	11	<0.01	7	<10	2	35	25
B14103	1.4	0.46	<5	50	<0.5	5	0.44	1	2	125	1	6.08	0.08	0.22	2180	<1	0.05	8	140	10	5	<1	<10	21	<0.01	14	<10	2	25	23
B14104	6.6	0.38	<5	20	<0.5	<5	0.83	1	3	90	32	6.53	0.03	0.09	390	6	0.11	11	230	10	<5	<1	<10	10	<0.01	13	<10	1	23	19
B14105	0.8	0.84	<5	90	<0.5	<5	0.41	1	11	110	90	5.54	0.12	0.17	300	2	0.07	18	590	8	<5	1	<10	19	<0.01	17	<10	2	103	26
B14106	2.4	0.16	<5	50	<0.5	<5	0.82	1	3	139	18	5.32	0.08	0.24	2500	2	0.06	15	260	10	5	<1	<10	37	<0.01	16	<10	2	33	21
B14107	<0.2	2.15	<5	50	<0.5	<5	3.03	<1	36	214	108	5.05	0.14	0.93	1145	<2	0.04	73	360	2	<5	9	<10	81	3.01	93	<10	2	146	5
B14108	0.2	0.27	5	40	<0.5	<5	1.62	<1	7	103	10	3.08	0.19	0.05	385	2	0.03	14	280	18	<5	<1	<10	24	0.01	5	<10	1	67	13
B14111	0.2	3.43	<5	40	<0.5	<5	1.10	1	4	46	32	9.23	0.64	2.04	1130	<2	0.05	11	460	16	<5	2	<10	56	0.01	42	<10	2	171	16
B14112	0.4	0.03	<5	10	<0.5	10	0.27	2	3	188	23	12.48	<0.01	0.53	4590	<2	0.01	17	170	16	5	<1	<10	9	<0.01	11	<10	1	136	9
B14113	<0.2	1.22	<5	40	<0.5	<5	3.14	1	5	90	10	3.00	0.14	0.42	1180	<2	0.05	12	370	4	<5	1	<10	47	0.01	12	<10	2	40	10
B14114	0.2	0.84	<5	40	0.5	5	3.10	1	5	44	8	9.93	0.19	0.90	5205	<2	0.04	11	400	14	<5	1	<10	106	0.01	14	<10	3	51	14
B14115	0.2	0.97	<5	70	0.5	5	1.92	1	5	77	9	7.40	0.13	0.66	3085	<2	0.05	12	460	8	<5	2	<10	73	<0.01	15	<10	3	86	13
B14116	<0.2	2.90	<5	10	<0.5	<5	1.10	1	39	100	444	6.78	<0.01	2.23	680	<2	0.04	82	260	6	<5	3	<10	8	0.32	101	<10	4	102	9
B14117	<0.2	1.50	5	<10	<0.5	<5	1.58	<1	37	127	404	3.19	<0.01	0.84	475	<2	0.02	52	180	4	<5	2	<10	20	0.23	53	<10	3	72	7
B14118	0.2	0.24	<5	90	<0.5	<5	0.96	<1	5	197	68	0.70	0.05	0.13	230	2	0.04	12	200	2	<5	<1	<10	79	0.02	4	<10	1	7	4

BENTON
TWP.

GARNET
TWP

A .5 gm sample is digested with 10 ml 3:1 HCl/HNO3 at 95C for 2 hours and diluted to 25ml with D.I.H2O.

Signed:



Swastika Laboratories ID:7056423300 JAN 26 '00 16:45 No.012 P.06

Swastika Laboratories Ltd.

1 Cameron Ave., Swastika, Ontario, P0K 1T0

Tel: (705) 642-3244 Fax: (705) 642-3300

Report No : 0W0073 SJ

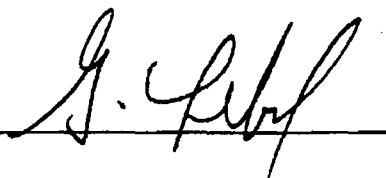
Date : Jan-26-00

R. Lashbrook
 Attention: R. Lashbrook
 Project: Benton
 Sample: Soil

MULTI-ELEMENT ICP ANALYSIS
 Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
14151B	<0.2	0.91	<5	20	<0.5	<5	0.11	<1	4	25	4	1.69	0.03	0.17	60	<2	0.01	10	250	8	<5	1	<10	7	0.08	33	<10	2	13	3
14152B	<0.2	1.52	<5	20	<0.5	<5	0.11	<1	4	26	4	1.48	0.02	0.16	60	<2	0.01	12	450	6	<5	1	<10	6	0.06	24	<10	2	19	2
14153B	<0.2	1.40	<5	20	<0.5	<5	0.15	<1	4	27	3	1.76	0.02	0.18	90	<2	0.01	11	400	2	<5	1	<10	9	0.07	28	<10	2	18	3
14154B	<0.2	0.31	<5	10	<0.5	<5	0.09	<1	1	8	2	0.35	0.01	0.06	30	<2	0.01	2	70	4	<5	1	<10	7	0.05	11	<10	2	11	1
14155B	<0.2	0.51	<5	30	<0.5	<5	0.07	1	1	11	6	0.59	0.02	0.06	35	<2	0.01	5	190	8	<5	<1	<10	7	0.03	13	<10	1	11	1
14156B	<0.2	0.43	<5	10	<0.5	<5	0.06	<1	2	10	2	0.58	0.02	0.06	25	<2	0.01	2	70	4	<5	1	<10	6	0.08	21	<10	1	4	1
14157B	<0.2	0.94	<5	10	<0.5	<5	0.08	1	3	19	3	1.60	0.02	0.10	35	<2	0.01	6	210	8	<5	1	<10	6	0.07	30	<10	2	9	2
14158B	<0.2	0.76	<5	10	<0.5	<5	0.12	<1	3	25	3	1.65	0.02	0.14	50	<2	0.01	9	320	6	<5	1	<10	7	0.06	29	<10	2	8	3
14159B	<0.2	0.67	<5	10	<0.5	<5	0.19	<1	3	18	3	0.75	0.02	0.16	45	<2	0.01	7	490	<2	<5	1	<10	11	0.05	21	<10	3	9	1
14160B	<0.2	0.68	<5	10	<0.5	<5	0.17	<1	3	18	3	0.49	0.02	0.16	40	<2	0.01	7	370	4	<5	1	<10	10	0.05	11	<10	3	9	1
14161B	<0.2	0.39	<5	10	<0.5	<5	0.09	<1	2	15	2	1.30	0.02	0.08	45	<2	0.01	4	160	8	<5	1	<10	8	0.09	37	<10	1	15	2
14162B	<0.2	1.35	<5	10	<0.5	<5	0.15	<1	3	26	3	1.52	0.02	0.16	70	<2	0.01	10	570	2	<5	1	<10	9	0.06	25	<10	3	16	2
14163B	<0.2	1.91	<5	40	<0.5	<5	0.17	<1	5	31	3	2.05	0.03	0.18	60	<2	0.01	14	470	4	<5	1	<10	15	0.08	32	<10	2	15	3
14164B	<0.2	1.70	<5	30	<0.5	<5	0.12	<1	5	28	3	1.62	0.03	0.17	60	<2	0.01	14	290	8	<5	1	<10	9	0.08	29	<10	3	16	3
14165B	<0.2	1.36	<5	20	<0.5	<5	0.18	<1	6	26	4	1.26	0.03	0.23	85	<2	0.01	15	460	2	<5	1	<10	10	0.07	21	<10	3	16	3
14166B	<0.2	1.16	<5	20	<0.5	<5	0.10	<1	4	24	2	1.43	0.02	0.13	45	<2	0.01	10	160	4	<5	1	<10	8	0.08	31	<10	2	9	3
14167B	<0.2	1.03	<5	20	<0.5	<5	0.08	<1	3	21	2	1.69	0.02	0.09	30	<2	0.01	6	160	8	<5	1	<10	8	0.11	52	<10	1	10	3
14168B	<0.2	0.68	<5	20	<0.5	<5	0.17	<1	3	19	5	0.84	0.02	0.19	70	<2	0.01	11	140	<2	<5	1	<10	8	0.05	16	<10	2	11	2
14169B	<0.2	1.05	<5	20	<0.5	<5	0.16	<1	5	26	4	1.27	0.02	0.20	60	<2	0.01	14	370	2	<5	1	<10	9	0.06	23	<10	4	13	3
14170B	<0.2	0.88	<5	50	<0.5	<5	0.69	<1	6	31	33	1.85	0.03	0.27	540	<2	0.01	14	580	4	<5	2	<10	17	0.04	27	<10	5	23	3
14171B	<0.2	1.84	<5	50	<0.5	<5	0.16	<1	7	37	12	2.02	0.04	0.27	80	<2	0.01	21	500	4	<5	2	<10	10	0.08	30	<10	3	24	3
14172B	<0.2	0.93	<5	30	<0.5	<5	0.20	1	6	24	11	1.09	0.02	0.22	70	<2	0.01	15	510	2	<5	1	<10	10	0.07	19	<10	3	11	3
14173B	<0.2	0.94	<5	20	<0.5	<5	0.16	<1	5	25	8	1.17	0.02	0.19	65	<2	0.01	16	520	4	<5	1	<10	10	0.06	21	<10	3	17	2
14174B	<0.2	1.30	<5	20	<0.5	<5	0.14	<1	6	29	4	1.25	0.03	0.22	65	<2	0.01	16	340	2	<5	1	<10	9	0.07	21	<10	3	15	4
14175B	<0.2	1.17	<5	30	<0.5	<5	0.07	<1	3	24	2	1.95	0.02	0.12	40	<2	0.01	9	340	10	<5	1	<10	7	0.07	43	<10	1	8	2
14176B	<0.2	1.61	<5	30	<0.5	<5	0.09	<1	5	29	3	1.53	0.02	0.19	55	<2	0.01	17	410	4	<5	1	<10	7	0.06	24	<10	2	15	3
14177B	<0.2	0.82	<5	20	<0.5	<5	0.15	<1	4	21	3	0.96	0.02	0.18	80	<2	0.01	12	510	8	<5	1	<10	7	0.04	17	<10	2	12	2
14178B	<0.2	0.96	<5	20	<0.5	<5	0.09	<1	4	23	4	1.38	0.02	0.09	180	2	0.01	8	240	10	<5	1	<10	8	0.06	25	<10	2	8	2
14179B	<0.2	0.71	<5	30	<0.5	<5	0.61	<1	7	26	14	2.29	0.03	0.33	180	<2	0.01	12	830	10	<5	2	<10	17	0.09	32	<10	8	22	3
14180B	<0.2	0.54	<5	10	<0.5	<5	0.12	<1	3	23	2	1.45	0.03	0.17	70	<2	0.01	10	320	6	<5	1	<10	8	0.08	31	<10	2	11	3

A .5 gm sample is digested with 10 ml 3:1 HCl/HNO3 at 95c for 2 hours and diluted to 25ml with D.I.H2O.

Signed: 

16:44 No.012 P.05

JAN 26'00

ID:7056423300

Swastika Laboratories

R. Lashbrook

Attention: R. Lashbrook

Project: Benton

Sample: Soil

Swastika Laboratories Ltd.
 1 Cameron Ave., Swastika, Ontario, POK 1T0
 Tel: (705) 642-3244 Fax: (705) 642-3300

Report No : 0W0073 SJ

Date : Jan-26-00

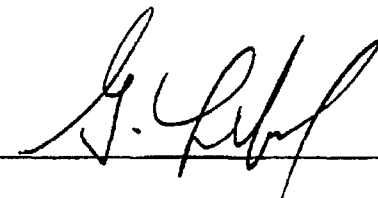
MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
14181B	<0.2	0.47	<5	20	<0.5	<5	0.05	<1	2	11	2	0.98	0.02	0.06	35	2	0.01	2	140	8	<5	1	<10	6	0.07	28	<10	1	8	1
14182B	<0.2	1.36	<5	20	<0.5	<5	0.09	<1	4	22	1	1.34	0.02	0.15	60	2	0.01	10	290	6	<5	1	<10	7	0.06	21	<10	2	10	2
14183B	<0.2	1.12	<5	20	<0.5	<5	0.11	<1	3	20	1	1.57	0.02	0.10	30	2	0.01	5	240	10	<5	1	<10	10	0.07	30	<10	2	6	2
14184B	<0.2	0.83	<5	50	<0.5	<5	0.10	<1	3	17	2	1.33	0.02	0.12	85	2	0.01	6	260	6	<5	1	<10	9	0.06	22	<10	1	13	2
14185B	<0.2	1.56	<5	30	<0.5	<5	0.10	<1	4	30	2	2.71	0.02	0.14	65	2	0.01	9	480	10	<5	1	<10	7	0.08	40	<10	2	13	4
14186B	<0.2	1.47	<5	40	<0.5	<5	0.13	<1	5	31	5	2.05	0.02	0.18	55	2	0.01	13	440	6	<5	1	<10	9	0.06	27	<10	2	15	3
14187B	<0.2	0.69	<5	20	<0.5	<5	0.25	<1	3	17	2	1.26	0.02	0.15	50	2	0.01	7	380	6	<5	1	<10	13	0.04	25	<10	2	7	1
14188B	<0.2	0.94	<5	10	<0.5	<5	0.13	<1	4	21	2	1.18	0.02	0.15	45	<2	0.01	9	470	4	<5	1	<10	6	0.05	20	<10	2	10	2
14189B	<0.2	0.16	<5	10	<0.5	<5	0.03	<1	<1	8	4	0.33	0.01	0.01	10	<2	0.01	1	80	4	<5	<1	<10	4	0.02	7	<10	1	18	<1
14190B	<0.2	0.65	<5	20	<0.5	<5	0.07	<1	2	11	2	0.58	0.01	0.05	35	<2	0.01	3	100	4	<5	1	<10	8	0.04	12	<10	2	7	1
14191B	<0.2	0.65	<5	30	<0.5	<5	0.10	<1	4	19	2	1.13	0.02	0.15	100	2	0.01	9	230	2	<5	1	<10	7	0.06	18	<10	2	9	1
14192B	<0.2	0.85	<5	50	<0.5	<5	0.15	<1	3	18	1	1.39	0.02	0.11	70	<2	0.01	6	170	8	<5	1	<10	16	0.07	25	<10	1	14	2
14193B	<0.2	0.79	<5	30	<0.5	<5	0.18	<1	5	23	3	0.92	0.03	0.18	145	<2	0.01	11	580	2	<5	1	<10	8	0.05	17	<10	3	10	2
14194B	<0.2	1.87	5	40	<0.5	<5	0.10	<1	4	32	3	2.06	0.03	0.18	105	2	0.01	12	530	8	<5	1	<10	10	0.07	31	<10	2	16	2
14195B	<0.2	1.23	5	30	<0.5	<5	0.13	<1	5	27	4	1.54	0.02	0.18	120	<2	0.01	12	880	6	<5	1	<10	7	0.05	27	<10	2	13	2
14196B	<0.2	1.55	<5	40	<0.5	<5	0.10	<1	4	29	2	2.12	0.02	0.16	55	<2	0.01	13	600	8	<5	1	<10	7	0.07	36	<10	2	12	2
14197B	<0.2	1.05	<5	40	<0.5	<5	0.07	<1	3	21	2	1.61	0.02	0.10	35	<2	0.01	8	270	8	<5	1	<10	8	0.06	31	<10	1	8	2
14198B	<0.2	1.24	<5	40	<0.5	<5	0.19	<1	4	24	3	2.06	0.02	0.14	45	<2	0.01	9	320	6	<5	1	<10	17	0.07	35	<10	2	9	3
14199B	<0.2	0.55	<5	40	<0.5	<5	0.17	<1	3	18	4	0.79	0.02	0.17	130	<2	0.01	7	110	2	<5	1	<10	9	0.05	16	<10	3	9	1
14200B	<0.2	0.61	<5	20	<0.5	<5	0.26	<1	4	20	4	0.88	0.02	0.20	65	<2	0.01	10	390	<2	<5	1	<10	11	0.05	17	<10	4	13	1

A .5 gm sample is digested with 10 ml 3:1 HCl/HNO3 at 95c for 2 hours and diluted to 25ml with D.I.H2O.

Signed:



Swastika Laboratories ID: 7056423300 JAN 26 '00 16:42 No. 012 P. 03

R. Lashbrook
 Attention: R. Lashbrook
 Project: Benton
 Sample: Soil

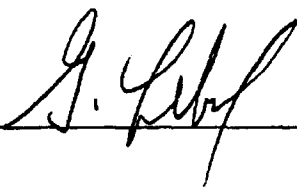
Swastika Laboratories Ltd.
 1 Cameron Ave., Swastika, Ontario, P0K 1T0
 Tel: (705) 642-3244 Fax: (705) 642-3300

Report No : 0W0072 SJ
 Date : Jan-26-00

MULTI-ELEMENT ICP ANALYSIS
 Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Su ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
14051B-tag 14052B	<0.2	1.16	<5	30	<0.5	<5	0.12	<1	4	22	3	1.28	0.02	0.16	50	<2	0.01	12	150	8	<5	1	<10	8	0.08	27	<10	2	11	2
14052B-no tag	<0.2	1.61	<5	30	<0.5	<5	0.10	<1	5	29	3	1.63	0.02	0.15	50	<2	0.01	16	290	6	<5	1	<10	7	0.07	28	<10	2	19	2
14053B-2 tags 53B51	<0.2	1.45	<5	40	<0.5	<5	0.16	<1	5	35	4	1.98	0.03	0.20	60	<2	0.01	16	370	6	<5	1	<10	13	0.09	39	<10	2	18	3
14054B	<0.2	1.34	<5	20	<0.5	<5	0.11	<1	5	24	3	1.33	0.03	0.16	50	<2	0.01	14	260	8	<5	1	<10	8	0.06	23	<10	2	24	2
14055B	<0.2	0.72	<5	10	<0.5	<5	0.06	<1	1	19	4	0.83	0.01	0.05	30	<2	0.01	3	220	6	<5	1	<10	4	0.04	15	<10	1	22	1
14056B	<0.2	0.56	<5	30	<0.5	<5	0.13	<1	3	23	5	1.16	0.02	0.16	65	<2	0.01	8	1020	6	<5	1	<10	8	0.05	21	<10	2	20	2
14057B	<0.2	1.44	<5	30	<0.5	<5	0.08	<1	3	22	3	1.37	0.02	0.09	65	<2	0.01	8	340	4	<5	1	<10	5	0.06	25	<10	2	21	2
14058B	<0.2	0.74	<5	30	<0.5	<5	0.16	<1	4	22	4	0.95	0.03	0.18	100	<2	0.01	11	410	2	<5	1	<10	8	0.06	19	<10	3	18	2
14059B	<0.2	1.57	<5	20	<0.5	<5	0.11	<1	3	26	3	1.60	0.03	0.13	45	<2	0.01	9	360	6	<5	1	<10	8	0.06	25	<10	2	23	2
14060B	<0.2	0.69	<5	30	<0.5	<5	0.17	<1	4	23	5	0.91	0.03	0.19	95	<2	0.01	11	540	4	<5	1	<10	7	0.05	18	<10	3	15	2
14061B	<0.2	1.99	<5	50	<0.5	<5	0.12	<1	6	33	3	1.72	0.03	0.16	75	<2	0.01	16	710	4	<5	1	<10	8	0.07	30	<10	2	20	3
14062B	<0.2	1.00	<5	20	<0.5	<5	0.11	<1	5	26	5	1.12	0.03	0.19	65	<2	0.01	12	380	4	<5	1	<10	6	0.06	22	<10	3	16	2
14063B	<0.2	1.25	<5	20	<0.5	<5	0.09	<1	5	27	4	1.22	0.02	0.16	65	<2	0.01	12	270	6	<5	1	<10	6	0.07	24	<10	2	12	2
14064B	<0.2	1.07	<5	40	<0.5	<5	0.24	<1	5	26	4	1.53	0.02	0.21	60	2	0.01	13	160	4	<5	1	<10	13	0.08	30	<10	2	15	2
14065B	<0.2	0.73	<5	10	<0.5	<5	0.12	<1	3	16	4	0.95	0.02	0.11	35	<2	0.01	6	150	4	<5	1	<10	8	0.08	26	<10	2	9	2
14066B	<0.2	1.50	<5	30	<0.5	<5	0.12	<1	5	28	6	1.66	0.02	0.17	130	2	0.01	13	230	6	<5	1	<10	7	0.06	27	<10	3	30	2
14067B	<0.2	1.21	<5	20	<0.5	<5	0.08	<1	3	20	3	1.33	0.02	0.11	40	<2	0.01	8	260	4	<5	1	<10	5	0.06	26	<10	2	11	2
14068B	<0.2	1.08	<5	20	<0.5	<5	0.16	<1	6	25	7	1.05	0.02	0.19	90	<2	0.01	16	530	2	<5	1	<10	7	0.05	20	<10	3	12	2
14069B	<0.2	1.06	<5	20	<0.5	<5	0.12	<1	3	19	4	1.15	0.02	0.14	55	<2	0.01	8	240	4	<5	1	<10	6	0.06	22	<10	2	10	2
14070B	<0.2	1.74	<5	30	<0.5	<5	0.18	<1	5	29	4	1.74	0.03	0.20	60	<2	0.01	16	470	6	<5	1	<10	10	0.06	26	<10	3	14	2
14071B	<0.2	1.00	<5	20	<0.5	<5	0.16	<1	4	25	5	1.05	0.03	0.19	70	<2	0.01	13	490	4	<5	1	<10	7	0.06	20	<10	2	13	2
14072B	0.2	1.52	<5	30	<0.5	<5	0.12	<1	5	27	4	1.51	0.03	0.19	65	<2	0.01	14	310	2	<5	1	<10	7	0.07	24	<10	2	14	2
14073B	<0.2	0.93	<5	20	<0.5	<5	0.15	<1	4	22	4	1.08	0.02	0.18	100	<2	0.01	12	470	4	<5	1	<10	7	0.05	20	<10	2	13	2
14074B	<0.2	1.03	<5	20	<0.5	<5	0.11	<1	3	24	4	1.74	0.03	0.15	65	<2	0.01	9	1050	8	<5	1	<10	7	0.06	25	<10	2	18	2
14075B	<0.2	1.45	5	20	<0.5	<5	0.11	<1	4	29	8	1.51	0.03	0.22	95	<2	0.01	12	950	6	<5	1	<10	5	0.07	26	<10	2	22	2
14076B	<0.2	0.60	<5	40	<0.5	<5	0.08	<1	3	14	6	0.98	0.02	0.07	290	<2	0.01	5	470	4	<5	1	<10	5	0.05	18	<10	1	31	1
14077B	<0.2	1.23	<5	20	<0.5	<5	0.08	<1	4	27	5	1.42	0.02	0.20	75	<2	0.01	12	320	6	<5	1	<10	6	0.07	25	<10	2	19	4
14078B	<0.2	0.30	<5	10	<0.5	<5	0.04	<1	1	6	3	0.14	0.01	0.02	15	<2	0.01	2	60	2	<5	<1	<10	3	0.03	5	<10	1	16	1
14079B	<0.2	2.25	<5	30	<0.5	<5	0.10	<1	5	36	3	2.68	0.02	0.15	45	<2	0.01	13	290	10	<5	2	<10	5	0.10	48	<10	2	21	5
14080B	<0.2	1.01	<5	20	<0.5	<5	0.16	<1	4	20	4	1.09	0.02	0.16	55	<2	0.01	11	400	6	<5	1	<10	7	0.05	17	<10	3	14	2

A .5 gm sample is digested with 10 ml 3:1 HCl/HNO3 at 95c for 2 hours and diluted to 25ml with D.I.H2O.

Signed: 

Swastika Laboratories ID:7056423300 JAN 26 '00 16:43 No.012 P.04

Swastika Laboratories Ltd.

1 Cameron Ave., Swastika, Ontario, POK 1T0

Tel: (705) 642-3244 Fax: (705) 642-3300

Report No : 0W0072 SJ

Date : Jan-26-00

R. Lashbrook

Attention: R. Lashbrook

Project: Benton

Sample: Soil

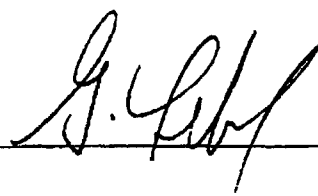
MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
140818	<0.2	0.58	<5	20	<0.5	<5	0.13	<1	3	18	5	0.94	0.02	0.16	60	<2	0.01	9	100	4	<5	1	<10	8	0.07	20	<10	2	15	2
140828	<0.2	0.51	<5	20	<0.5	<5	0.16	<1	3	18	3	1.29	0.02	0.16	50	<2	0.01	9	90	4	<5	1	<10	9	0.07	25	<10	2	14	2
140838	<0.2	1.29	<5	20	<0.5	<5	0.14	<1	5	30	8	1.58	0.02	0.21	65	<2	0.01	14	290	6	<5	2	<10	8	0.07	25	<10	3	19	3
140848	<0.2	0.90	<5	20	<0.5	<5	0.14	<1	5	24	7	1.38	0.02	0.21	115	<2	0.01	14	210	6	<5	1	<10	7	0.06	21	<10	4	20	3
140858	<0.2	1.76	<5	20	<0.5	<5	0.10	<1	5	31	10	1.75	0.02	0.17	60	<2	0.01	15	300	8	<5	1	<10	6	0.07	26	<10	2	24	3
140868	<0.2	1.06	<5	50	<0.5	<5	0.61	<1	6	30	6	1.69	0.04	0.27	160	<2	0.01	13	530	4	<5	2	<10	18	0.05	26	<10	7	23	2
140878	<0.2	1.31	5	60	<0.5	<5	2.03	<1	4	28	18	1.14	0.03	0.20	285	<2	0.01	14	840	6	<5	1	<10	36	0.03	17	<10	7	49	2
140888	<0.2	0.78	<5	10	<0.5	<5	0.11	<1	4	26	8	1.48	0.03	0.18	75	<2	0.01	12	210	6	<5	1	<10	6	0.08	27	<10	2	19	2
140898	<0.2	0.77	<5	30	<0.5	<5	0.09	<1	2	18	6	1.55	0.02	0.08	35	<2	0.01	7	290	4	<5	1	<10	8	0.06	30	<10	2	15	2
140908	<0.2	1.50	<5	20	<0.5	<5	0.07	<1	3	39	5	1.71	0.02	0.08	40	<2	0.01	8	730	8	<5	1	<10	4	0.06	32	<10	1	17	3
140918	<0.2	1.56	<5	30	<0.5	<5	1.07	2	43	15	24	12.72	0.05	2.07	1060	<2	0.02	38	4400	26	<5	3	<10	31	0.61	176	<10	19	164	24
140928	<0.2	0.57	<5	20	<0.5	<5	0.22	<1	4	22	5	0.96	0.02	0.21	70	<2	0.01	11	180	2	<5	1	<10	8	0.06	19	<10	3	13	2
140938	<0.2	1.06	<5	30	<0.5	<5	0.14	<1	6	33	12	1.44	0.02	0.26	85	<2	0.01	20	150	4	<5	1	<10	7	0.08	25	<10	2	19	3
140948	<0.2	1.00	<5	20	<0.5	<5	0.07	1	6	25	38	4.40	0.02	0.12	265	<2	0.01	19	220	8	<5	1	<10	6	0.06	30	<10	1	32	3
140958	<0.2	0.89	<5	40	<0.5	<5	0.19	<1	6	28	7	1.15	0.03	0.25	105	<2	0.01	14	300	4	<5	2	<10	9	0.08	22	<10	3	27	5
140968	<0.2	0.78	<5	40	<0.5	<5	0.32	<1	4	23	6	0.96	0.02	0.22	60	<2	0.01	11	300	4	<5	2	<10	12	0.05	18	<10	4	13	2
140978	<0.2	0.76	<5	30	<0.5	<5	0.44	<1	4	25	6	1.13	0.03	0.24	65	<2	0.02	12	590	2	<5	1	<10	11	0.04	20	<10	4	22	2
140988	<0.2	0.64	<5	30	<0.5	<5	0.53	<1	3	22	6	0.64	0.02	0.21	65	<2	0.01	9	640	4	<5	1	<10	13	0.04	14	<10	4	26	2
140998	<0.2	0.90	<5	30	<0.5	<5	0.19	<1	4	29	6	1.06	0.02	0.23	70	<2	0.01	12	140	2	<5	3	<10	11	0.05	25	<10	4	15	5
141008	<0.2	1.44	<5	20	<0.5	<5	0.07	<1	5	35	8	2.14	0.02	0.14	60	<2	0.01	12	190	4	<5	1	<10	7	0.08	34	<10	2	8	3

A .5 gm sample is digested with 10 ml 3:1 HCl/HNO3 at 95c for 2 hours and diluted to 25ml with D.I.H2O.

Signed: _____



Swastika Laboratories ID:7056423300 JAN 27'00 17:56 No. 010 P.01
 02-0070-56

R. Lashbrook
 Attention: R. Lashbrook
 Project: Benton
 Sample: SOIL

Swastika Laboratories Ltd.
 1 Cameron Ave., Swastika, Ontario, P0K 1T0
 Tel: (705) 642-3244 Fax: (705) 642-3300

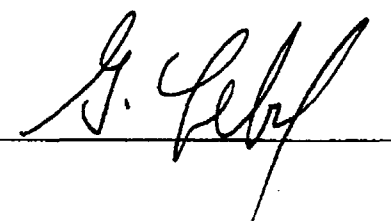
Report No : 0W0070 SJ
 Date : Jan-20-00

MULTI-ELEMENT ICP ANALYSIS
 Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
94018 Sod	<0.2	1.18	<5	30	<0.5	<5	0.11	<1	5	34	7	1.38	0.03	0.22	65	<2	0.01	16	210	4	<5	2	<10	6	0.07	25	<10	3	13	3
94028	<0.2	1.27	<5	20	<0.5	<5	0.10	<1	3	26	2	1.50	0.02	0.14	45	<2	0.01	10	280	2	<5	1	<10	6	0.07	26	<10	2	8	2
94038	<0.2	1.33	<5	30	<0.5	<5	0.10	<1	5	27	2	1.33	0.03	0.18	60	<2	0.01	15	250	4	<5	1	<10	6	0.07	22	<10	2	12	3
94048	<0.2	0.87	<5	20	<0.5	<5	0.07	<1	3	17	1	1.25	0.02	0.08	40	<2	0.01	6	170	6	<5	1	<10	5	0.07	25	<10	1	8	2
94058	<0.2	1.40	<5	30	<0.5	<5	0.12	<1	5	29	3	1.73	0.03	0.20	65	<2	0.01	14	370	4	<5	1	<10	7	0.07	25	<10	3	13	3
94068	<0.2	1.40	<5	20	<0.5	<5	0.12	<1	4	23	2	1.48	0.02	0.15	50	<2	0.01	11	410	4	<5	1	<10	6	0.06	22	<10	3	10	2
94078	0.2	1.97	<5	30	<0.5	<5	0.08	<1	6	31	2	1.92	0.02	0.16	55	<2	0.01	16	320	4	<5	2	<10	6	0.07	31	<10	3	14	3
94088	<0.2	0.87	<5	20	<0.5	<5	0.09	<1	3	20	3	1.26	0.02	0.12	95	<2	0.01	9	250	2	<5	1	<10	5	0.06	22	<10	2	25	3
94098	<0.2	1.07	<5	20	<0.5	<5	0.13	<1	4	26	3	2.02	0.02	0.17	50	<2	0.01	12	340	2	<5	1	<10	7	0.07	28	<10	3	10	2
94108	<0.2	1.50	<5	30	<0.5	<5	0.09	<1	5	26	2	1.64	0.02	0.16	45	<2	0.01	13	290	4	<5	1	<10	4	0.06	27	<10	3	9	2
94118	<0.2	1.06	<5	20	<0.5	<5	0.12	<1	4	21	3	1.28	0.03	0.16	55	<2	0.01	11	270	4	<5	1	<10	6	0.07	23	<10	2	15	2
94128	<0.2	1.24	<5	30	<0.5	<5	0.16	<1	6	43	6	2.46	0.03	0.27	80	<2	0.01	22	290	6	<5	2	<10	9	0.09	33	<10	2	15	4
94138	<0.2	1.65	<5	70	<0.5	<5	0.20	<1	8	47	10	2.24	0.07	0.43	120	<2	0.02	27	250	4	<5	2	<10	12	0.10	37	<10	3	29	6
94148	<0.2	0.81	<5	100	<0.5	<5	0.28	<1	5	30	22	1.25	0.02	0.23	120	<2	0.01	14	310	2	<5	2	<10	13	0.05	20	<10	6	16	1
94158	<0.2	0.65	<5	40	<0.5	<5	0.73	<1	6	38	14	1.39	0.04	0.44	210	<2	0.02	16	600	2	<5	2	<10	16	0.06	25	<10	6	17	2
94168	<0.2	0.87	<5	20	<0.5	<5	0.12	<1	4	21	2	1.02	0.02	0.16	55	<2	0.01	11	340	4	<5	1	<10	5	0.05	17	<10	2	12	2
94178	<0.2	1.35	<5	30	<0.5	<5	0.08	<1	3	28	2	2.13	0.03	0.10	45	<2	0.01	7	430	8	<5	1	<10	6	0.06	41	<10	2	13	4
94188	<0.2	1.75	<5	40	<0.5	<5	0.12	<1	5	27	1	1.74	0.02	0.14	70	<2	0.01	15	390	8	<5	1	<10	7	0.06	26	<10	2	12	3
94198	0.2	0.77	<5	10	<0.5	<5	0.06	<1	1	12	2	1.06	0.02	0.05	55	<2	0.01	3	180	4	<5	1	<10	4	0.04	18	<10	1	6	1
94208	<0.2	2.58	<5	30	<0.5	<5	0.09	<1	5	34	2	2.27	0.02	0.16	55	<2	0.01	15	450	8	<5	2	<10	5	0.07	31	<10	3	14	4
94218	<0.2	1.57	<5	30	<0.5	<5	0.11	<1	5	31	2	2.29	0.03	0.21	65	<2	0.01	15	260	2	<5	2	<10	7	0.09	34	<10	3	14	3
94228	<0.2	1.03	<5	30	<0.5	<5	0.13	1	4	21	3	1.21	0.02	0.17	55	<2	0.01	11	200	4	<5	1	<10	7	0.07	20	<10	2	15	2
94238	<0.2	1.10	<5	10	<0.5	<5	0.08	<1	4	29	4	1.49	0.02	0.17	55	<2	0.01	13	230	2	<5	1	<10	5	0.07	24	<10	2	10	3
94248	<0.2	0.99	<5	30	<0.5	<5	0.26	<1	4	22	3	1.17	0.02	0.18	55	<2	0.01	13	200	4	<5	1	<10	10	0.07	23	<10	4	14	2
94258	<0.2	0.56	<5	30	<0.5	<5	0.53	<1	4	24	7	1.04	0.03	0.27	85	<2	0.02	12	610	2	<5	2	<10	17	0.06	19	<10	6	20	4
94268	<0.2	1.08	<5	50	<0.5	<5	0.13	<1	4	24	2	1.28	0.03	0.19	65	<2	0.01	16	100	4	<5	1	<10	10	0.07	23	<10	3	20	2
94278	<0.2	0.86	<5	20	<0.5	<5	0.11	<1	4	24	3	1.67	0.03	0.18	55	<2	0.01	11	220	6	<5	1	<10	7	0.08	31	<10	2	14	2
94288	<0.2	0.78	<5	30	<0.5	<5	0.16	<1	4	28	5	1.12	0.02	0.22	75	<2	0.01	13	400	4	<5	1	<10	7	0.06	22	<10	3	13	3
94298	<0.2	1.51	<5	30	<0.5	<5	0.09	<1	4	30	1	1.89	0.02	0.18	65	<2	0.01	13	210	8	<5	1	<10	6	0.07	28	<10	2	16	3
94308	<0.2	0.98	<5	20	<0.5	<5	0.11	<1	3	20	5	1.58	0.03	0.17	85	<2	0.01	7	360	6	<5	1	<10	5	0.05	30	<10	2	22	2

A .5 gm sample is digested with 10 ml 3:1 HCl/HNO3
 at 95c for 2 hours and diluted to 25ml with D.L.H2O.

Signed:



Swastika Laboratories ID:7056423300 JAN 27'00 17:57 No.010 P.02

R. Lashbrook
 Attention: R. Lashbrook
 Project: Bennon
 Sample: SOIL

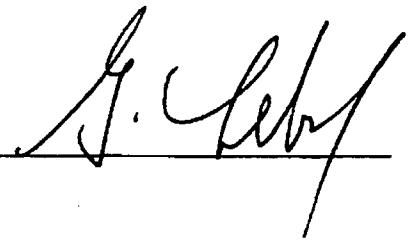
Swastika Laboratories Ltd.
 1 Cameron Ave., Swastika, Ontario, P0K 1T0
 Tel: (705) 642-3244 Fax: (705) 642-3300

Report No : 0W0070 SJ
 Date : Jan-20-00

MULTI-ELEMENT ICP ANALYSIS
 Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
9431B	<0.2	1.16	<5	20	<0.5	<5	0.08	<1	3	24	1	1.98	0.02	0.12	45	<2	0.01	7	210	6	<5	1	<10	6	0.08	30	<10	2	27	2
9432B	<0.2	1.29	5	20	0.5	<5	0.50	<1	11	25	54	4.65	0.02	0.13	410	<2	0.01	15	440	16	<5	2	<10	18	0.05	30	<10	14	58	3
9433B	<0.2	0.49	<5	20	<0.5	<5	0.07	<1	2	13	2	1.16	0.02	0.06	40	<2	0.01	4	120	8	<5	1	<10	7	0.09	30	<10	1	9	2
9434B	<0.2	1.38	<5	20	<0.5	<5	0.12	<1	4	25	2	1.58	0.02	0.18	55	<2	0.01	11	290	6	<5	1	<10	8	0.06	23	<10	3	12	2
9435B	<0.2	0.59	<5	30	<0.5	<5	0.26	<1	4	21	10	1.16	0.02	0.19	90	<2	0.01	10	420	4	<5	2	<10	12	0.07	20	<10	5	12	2
9436B	<0.2	0.56	<5	10	<0.5	<5	0.15	<1	4	18	3	0.87	0.02	0.18	55	<2	0.01	11	240	6	<5	1	<10	8	0.05	16	<10	2	9	2
9437B	<0.2	0.59	<5	30	<0.5	<5	0.19	<1	4	24	4	1.12	0.02	0.21	155	<2	0.01	10	200	4	<5	1	<10	9	0.05	20	<10	3	14	1
9438B	<0.2	1.04	<5	60	<0.5	<5	0.73	<1	3	27	17	0.79	0.03	0.20	65	<2	0.01	12	1190	2	<5	1	<10	26	0.02	12	<10	10	29	1
9439B	<0.2	1.58	<5	20	<0.5	<5	0.14	1	4	28	4	1.75	0.02	0.17	65	<2	0.01	12	310	6	<5	1	<10	10	0.06	22	<10	2	14	2
9440B	<0.2	1.18	<5	30	<0.5	<5	0.11	1	5	27	2	1.82	0.03	0.17	70	<2	0.01	13	210	8	<5	1	10	7	0.08	30	<10	2	17	3
9441B	<0.2	1.10	<5	50	<0.5	<5	0.14	3	5	27	2	2.05	0.02	0.18	75	<2	0.01	12	280	8	<5	1	20	9	0.08	29	<10	2	20	3
9442B	<0.2	0.85	<5	50	<0.5	<5	0.14	3	3	24	2	1.85	0.02	0.15	150	<2	0.01	9	1370	8	<5	1	30	7	0.05	25	<10	2	25	2
9443B	0.2	1.59	<5	40	<0.5	<5	0.11	1	7	32	2	1.71	0.02	0.17	70	<2	0.01	21	580	6	<5	1	20	7	0.06	26	<10	2	22	2
9444B	<0.2	1.09	<5	20	<0.5	<5	0.06	<1	3	17	1	0.82	0.02	0.06	85	<2	0.01	5	190	4	<5	1	<10	5	0.04	14	<10	2	11	1
9445B	<0.2	1.60	<5	40	<0.5	<5	0.15	<1	7	29	3	1.53	0.03	0.21	75	<2	0.01	17	320	4	<5	1	<10	10	0.07	25	<10	2	16	2
9446B	<0.2	0.71	<5	30	<0.5	<5	0.20	<1	4	23	1	0.92	0.02	0.21	125	<2	0.01	11	390	2	<5	1	<10	10	0.06	18	<10	3	13	1
9447B	<0.2	0.59	<5	20	<0.5	<5	0.08	<1	3	13	<1	0.92	0.02	0.08	75	<2	0.01	5	120	4	<5	1	<10	6	0.07	21	<10	2	7	2
9448B	<0.2	1.34	<5	30	<0.5	<5	0.13	<1	5	30	4	1.51	0.02	0.18	95	<2	0.01	12	530	4	<5	1	<10	6	0.06	24	<10	3	21	2
9449B	0.2	1.35	<5	30	<0.5	<5	0.09	<1	4	27	2	2.54	0.03	0.15	55	<2	0.01	11	470	8	<5	1	<10	10	0.09	38	<10	2	22	3
9450B	<0.2	1.47	<5	20	<0.5	<5	0.10	<1	5	29	3	1.32	0.03	0.17	60	<2	0.01	13	310	2	<5	1	<10	8	0.07	23	<10	2	20	3

A .5 gm sample is digested with 10 ml 3:1 HCl/HNO3 at 95c for 2 hours and diluted to 25ml with D.L.H2O.

Signed: 

17:58 No.010 P.03
00-0011-36 1

JAN 27 '00

Swastika Laboratories ID:7056423300

Swastika Laboratories Ltd.

1 Cameron Ave., Swastika, Ontario, P0K 1T0

Tel: (705) 642-3244 Fax: (705) 642-3300

Report No : 0W0071 SJ

Date : Jan-26-00

R. Lashbrook

Attention: R. Lashbrook

Project: Benton

Sample: Soil

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Ns %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sa ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
9451B	<0.2	1.48	<5	50	<0.5	<5	0.12	<1	6	29	2	1.38	0.03	0.22	75	<2	0.01	19	200	6	<5	2	<10	9	0.08	27	<10	3	19	3
9452B	<0.2	1.30	<5	20	<0.5	<5	0.17	<1	5	30	5	1.86	0.03	0.21	65	<2	0.01	13	490	6	<5	2	<10	9	0.08	31	<10	4	16	3
9453B	<0.2	0.87	<5	200	<0.5	<5	0.37	<1	10	31	2	1.51	0.03	0.26	1190	2	0.01	12	580	4	<5	2	<10	13	0.05	29	<10	6	18	2
9454B	<0.2	0.78	<5	50	<0.5	<5	0.53	<1	4	28	8	1.25	0.03	0.26	75	<2	0.02	12	750	4	<5	2	<10	17	0.05	30	<10	7	20	3
9455B	<0.2	2.57	<5	40	<0.5	<5	0.61	<1	24	329	6	3.86	0.13	2.66	680	<2	0.01	141	330	6	5	3	<10	18	0.25	83	<10	11	22	20
9456B	<0.2	1.33	<5	30	<0.5	<5	0.09	<1	5	25	1	1.83	0.03	0.15	45	<2	0.01	12	200	8	<5	1	<10	7	0.09	36	<10	2	18	2
9457B	<0.2	1.20	<5	20	<0.5	<5	0.16	<1	6	28	3	1.22	0.03	0.20	105	<2	0.01	15	450	4	<5	1	<10	7	0.06	21	<10	3	22	2
9458B	<0.2	1.52	<5	30	<0.5	<5	0.09	<1	6	30	2	1.45	0.03	0.21	65	<2	0.01	16	280	6	<5	1	<10	6	0.07	23	<10	2	22	2
9459B	<0.2	1.12	<5	30	<0.5	<5	0.18	<1	4	23	1	1.33	0.02	0.15	55	<2	0.01	9	340	4	<5	1	<10	10	0.06	23	<10	2	24	2
9460B	<0.2	1.03	<5	30	<0.5	<5	0.44	<1	7	21	19	2.45	0.02	0.14	110	<2	0.01	9	280	8	<5	1	<10	17	0.05	27	<10	3	34	2
9461B	<0.2	3.16	<5	20	<0.5	<5	0.11	<1	6	29	30	0.94	0.02	0.14	65	<2	0.01	19	430	<2	<5	3	<10	6	0.05	16	<10	4	34	2
9462B	<0.2	0.67	<5	30	<0.5	<5	0.41	<1	4	23	6	0.93	0.03	0.20	110	<2	0.01	9	780	2	<5	2	<10	14	0.04	16	<10	6	24	1
9463B	<0.2	0.83	<5	20	<0.5	<5	0.13	<1	4	22	2	1.03	0.02	0.18	60	<2	0.01	10	250	4	<5	1	<10	8	0.06	17	<10	4	16	2
9464B	<0.2	0.61	<5	10	<0.5	<5	0.08	<1	3	13	1	1.00	0.02	0.09	30	<2	0.01	5	90	6	<5	1	<10	6	0.07	22	<10	1	9	2
9465B	<0.2	0.49	<5	20	<0.5	<5	0.10	<1	2	11	1	0.48	0.02	0.09	30	2	0.01	4	110	4	<5	1	<10	6	0.05	12	<10	2	7	1
9466B	<0.2	0.95	<5	40	<0.5	<5	0.21	<1	5	24	2	1.17	0.03	0.24	75	<2	0.01	15	280	2	<5	1	<10	10	0.07	24	<10	3	19	3
9467B	<0.2	0.56	<5	30	<0.5	<5	0.23	<1	3	21	1	0.86	0.02	0.18	95	<2	0.01	8	320	2	<5	1	<10	10	0.05	17	<10	4	19	1
9468B	<0.2	0.59	<5	30	<0.5	<5	0.14	<1	3	16	1	0.90	0.02	0.17	50	<2	0.01	9	160	4	<5	1	<10	8	0.05	17	<10	2	15	1
9469B	0.2	1.02	<5	20	<0.5	<5	0.08	<1	3	18	2	0.96	0.02	0.09	80	<2	0.01	6	230	4	<5	1	<10	7	0.05	19	<10	2	33	1
9470B	<0.2	0.72	<5	30	<0.5	<5	0.08	<1	3	13	<1	0.77	0.02	0.07	250	<2	0.01	4	330	2	<5	1	<10	6	0.04	13	<10	1	23	1
9471B	0.2	1.74	<5	40	<0.5	<5	0.13	<1	6	30	3	2.11	0.03	0.17	110	<2	0.01	15	780	8	<5	1	<10	8	0.08	34	<10	3	27	3
9472B	<0.2	1.77	<5	20	<0.5	<5	0.10	<1	6	30	2	1.77	0.03	0.18	125	<2	0.01	15	460	10	<5	2	<10	8	0.08	31	<10	3	29	3
9473B	<0.2	1.52	<5	30	<0.5	<5	0.12	<1	6	29	2	1.33	0.03	0.20	70	<2	0.01	17	430	2	<5	1	<10	7	0.07	22	<10	2	17	2
9474B	<0.2	0.91	<5	40	<0.5	<5	0.14	<1	5	26	4	1.57	0.03	0.16	115	2	0.01	11	360	6	<5	1	<10	8	0.07	24	<10	2	22	2
9475B	<0.2	0.76	<5	40	<0.5	<5	0.24	<1	4	27	7	1.07	0.02	0.20	140	<2	0.01	12	140	8	<5	2	<10	14	0.06	22	<10	5	18	3
9476B	<0.2	1.18	5	40	<0.5	<5	0.16	<1	7	33	8	1.22	0.02	0.24	70	<2	0.01	19	310	4	<5	1	<10	10	0.07	23	<10	2	24	3
9477B	<0.2	0.88	<5	20	<0.5	<5	0.14	<1	4	29	6	1.12	0.02	0.19	65	<2	0.01	13	500	6	<5	1	<10	7	0.06	22	<10	1	21	3
9478B	<0.2	1.98	<5	20	<0.5	<5	0.13	<1	4	55	6	2.91	0.02	0.18	65	<2	0.01	15	590	12	<5	2	<10	9	0.08	41	<10	1	30	3
9479B	<0.2	0.65	<5	40	<0.5	<5	0.31	<1	4	24	9	0.99	0.02	0.22	80	<2	0.01	12	590	6	<5	2	<10	14	0.06	22	<10	4	18	2
9480B	<0.2	0.25	5	20	<0.5	<5	0.10	<1	1	12	3	0.12	0.02	0.03	15	<2	0.01	2	200	8	<5	<1	<10	7	0.03	4	<10	<1	17	<1

A .5 gm sample is digested with 10 ml 3:1 HCl/HNO3 at 95c for 2 hours and diluted to 25ml with D.I.H2O.

Signed: 

Swastika Laboratories ID:7056423300 JAN 27'00 17:59 No.010 P.04

R. Lashbrook
 Attention: R. Lashbrook
 Project: Benton
 Sample: Soil

Swastika Laboratories Ltd.
 1 Cameron Ave., Swastika, Ontario, P0K 1T0
 Tel: (705) 642-3244 Fax: (705) 642-3300

Report No : 0W0071 SJ
 Date : Jan-26-00

MULTI-ELEMENT ICP ANALYSIS
 Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
94818	<0.2	1.14	<5	20	<0.5	<5	0.16	<1	5	28	4	1.41	0.02	0.19	65	<2	0.01	12	420	8	<5	1	<10	9	0.06	22	<10	1	25	2
94828	<0.2	1.14	<5	30	<0.5	<5	0.17	<1	5	27	5	1.12	0.03	0.20	80	<2	0.01	13	450	6	<5	1	<10	9	0.06	20	<10	1	19	2
94838	<0.2	0.39	5	10	<0.5	<5	0.04	<1	1	7	2	0.48	0.02	0.03	20	<2	0.01	3	90	6	<5	<1	<10	6	0.04	10	<10	<1	12	1
94848	<0.2	1.35	<5	20	<0.5	<5	0.17	<1	5	26	5	1.41	0.03	0.21	100	<2	0.01	15	520	8	<5	1	<10	10	0.06	22	<10	2	24	2
94858	<0.2	0.84	<5	40	<0.5	<5	0.16	<1	4	24	5	1.06	0.02	0.22	80	<2	0.01	11	250	4	<5	1	<10	10	0.07	22	<10	1	16	2
94868	<0.2	0.89	5	20	<0.5	<5	0.19	<1	4	21	5	1.13	0.02	0.17	55	<2	0.01	10	430	8	<5	1	<10	10	0.05	19	<10	1	20	2
94878	<0.2	0.65	5	30	<0.5	<5	0.24	<1	4	21	4	0.91	0.03	0.22	70	<2	0.01	11	450	6	<5	1	<10	11	0.05	17	<10	2	15	1
94888	<0.2	0.58	<5	20	<0.5	<5	0.21	<1	4	20	5	0.92	0.02	0.21	65	<2	0.01	11	370	4	<5	1	<10	11	0.06	19	<10	1	14	2
94898	<0.2	1.67	<5	20	<0.5	<5	0.37	<1	4	24	4	1.51	0.02	0.17	65	<2	0.01	9	390	8	<5	1	<10	16	0.06	25	<10	2	17	2
94908	<0.2	0.72	<5	20	<0.5	<5	0.28	<1	4	25	8	1.49	0.03	0.24	80	<2	0.01	12	410	8	<5	1	<10	13	0.07	33	<10	1	26	2
94918	<0.2	1.30	<5	30	<0.5	<5	0.16	<1	5	29	5	1.27	0.02	0.20	60	<2	0.01	15	390	6	<5	2	<10	9	0.07	26	<10	4	16	3
94928	<0.2	1.83	<5	20	<0.5	<5	0.08	<1	5	30	4	1.66	0.02	0.16	50	<2	0.01	13	290	4	<5	1	<10	6	0.07	28	<10	<1	22	3
94938	<0.2	0.59	<5	10	<0.5	<5	0.05	<1	2	16	3	1.04	0.02	0.08	40	<2	0.01	4	110	6	<5	1	<10	4	0.06	24	<10	1	7	1
94948	<0.2	0.91	5	40	<0.5	<5	0.14	<1	4	26	3	1.54	0.03	0.24	75	<2	0.01	14	240	8	<5	1	<10	9	0.08	28	<10	<1	15	2
94958	<0.2	0.65	<5	20	<0.5	<5	0.16	<1	3	21	3	1.34	0.02	0.19	145	<2	0.01	9	370	4	<5	1	<10	9	0.06	20	<10	1	21	2
94968	<0.2	0.76	<5	20	<0.5	<5	0.15	<1	3	19	4	0.83	0.02	0.16	50	<2	0.01	8	270	8	<5	1	<10	9	0.06	20	<10	1	14	1
94978	<0.2	1.43	5	30	<0.5	<5	0.14	<1	5	27	5	1.55	0.03	0.20	80	<2	0.01	13	390	8	<5	1	<10	9	0.07	28	<10	1	21	2
94988	<0.2	1.52	<5	30	<0.5	<5	0.15	<1	6	32	5	1.52	0.03	0.22	75	<2	0.01	17	540	6	<5	1	<10	9	0.07	26	<10	1	19	2
94998	<0.2	0.55	<5	20	<0.5	<5	0.15	<1	4	21	5	0.89	0.03	0.19	110	<2	0.01	10	430	2	<5	1	<10	8	0.05	17	<10	3	13	3
95008	<0.2	0.81	<5	30	<0.5	<5	0.14	<1	3	21	3	0.81	0.02	0.19	55	<2	0.01	10	330	2	<5	1	<10	9	0.06	19	<10	3	12	2

A .5 gm sample is digested with 10 ml 3:1 HCl/HNO3 at 95c for 2 hours and diluted to 25ml with D.I.H2O.

Signed: 



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Swastika Laboratories Ltd

Assaying - Consulting - Representation

Page 1 of 2

0W-0070-SG1

Date: JAN-11-00

Geochemical Analysis Certificate

Company: **R. LASHBROOK**
 Project: Benton
 Attn: R. Lashbrook

We hereby certify the following Geochemical Analysis of 50 Soil samples submitted JAN-09-00 by .

Sample Number	Au PPB	Au Check PPB	Multi Element Results
9401B L4w/300N	7	7	Results to follow
9402B	3	-	
9403B	5	-	
9404B	2	-	
9405B 400N	2	-	
9406B	3	-	
9407B	2	-	
9408B	5	-	
9409B 500N	7	7	
9410B	2	-	
9411B	7	-	
9412B 575N	10	7	
9413B L4w/600N	2	-	
9414B L350w/575N	10	-	
9415B 600N	9	-	
9416B L350w/575N	2	-	
9417B 500N	9	5	
9418B	5	-	
9419B	7	-	
9420B	3	-	
9421B 400N	5	-	
9422B	9	-	
9423B	5	-	
9424B	2	-	
9425B L350w/300N	2	-	
9426B L250w/300N	3	-	
9427B	2	-	
9428B	2	-	
9429B	5	-	
9430B 400N	5	5	

Certified by _____

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Assaying - Consulting - Representation

Page 2 of 2

0W-0070-SG1

Date: JAN-11-00

Geochemical Analysis Certificate

Company: **R. LASHBROOK**
 Project: Benton
 Attn: R. Lashbrook

We hereby certify the following Geochemical Analysis of 50 Soil samples submitted JAN-09-00 by .

Sample Number	Au PPB	Au Check PPB	Multi Element
9431B L250W/425W	10	7	
9432B	12	-	
9433B	Nil	-	
9434B 500W	Nil	-	
9435B	10	-	
9436B	3	-	
9437B	2	-	
9438B L250W 600W	10	12	
9439B L150W 600W	5	-	
9440B	7	-	
9441B	10	-	
9442B	14	9	
9443B 500W	2	-	
9444B	Nil	-	
9445B	7	10	
9446B	3	-	
9447B 400W	5	-	
9448B	3	-	
9449B	5	-	
9450B L150W/325W	10	-	

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Page 1 of 2

0W-0071-SG1

Date: JAN-11-00

Geochemical Analysis Certificate

Company: **R. Lashbrook**
 Project: **Benton**
 Attn: **R. Lashbrook**

We hereby certify the following Geochemical Analysis of 50 Soil samples submitted JAN-09-99 by .

Sample Number	Au PPB	Au Check PPB	Multi Element Results
9451B L150W/300W	2	-	Results
9452B L0150W/300W	5	7	to
9453B	7	-	follow
9454B	5	-	
9455B	2	-	
9456B 400W	Nil	-	
9457B	2	-	
9458B	5	-	✓
9459B	2	-	
9460B 500W	3	2	
9461B	2	-	
9462B	5	-	
9463B	5	-	
9464B L0150W/600W	3	5	
9465B L0150E/600W	5	-	
9466B	9	-	
9467B	5	-	
9468B	7	-	
9469B 500W	5	-	
9470B	2	-	
9471B	10	14	
9472B	9	-	✓
9473B 400W	2	-	
9474B	7	-	
9475B L0150E/350W	5	-	
9476B	5	-	
9477B L0150E/300W	2	-	
9478B L0150E/300W	7	5	
9479B	9	-	✓
9480B 350W	2	-	

Certified by 

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OW-0071-SG1

Date: JAN-11-00

Geochemical Analysis Certificate

Company: **R. Lashbrook**
 Project: **Benton**
 Attn: **R. Lashbrook**

We hereby certify the following Geochemical Analysis of 50 Soil samples submitted JAN-09-99 by .

Sample Number	Au PPB	Au Check PPB	Multi Element
9481B	3	7	
9482B <i>L150E/400N</i>	5	-	
9483B	7	-	
9484B	3	-	
9485B	2	-	
9486B <i>500N</i>	3	3	✓
9487B	5	-	
9488B	9	-	
9489B	5	-	
9490B <i>L150E/600N</i>	2	-	
9491B <i>L2750E/600N</i>	5	3	
9492B	5	-	
9493B <i>550N</i>	2	-	
9494B <i>500N</i>	3	-	
9495B	3	-	
9496B	2	3	
9497B	5	-	
9498B <i>400N</i>	5	-	
9499B	2	-	
9500B <i>L250E/350N</i>	2	5	

Certified by

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Page 1 of 2

0W-0072-SG1

Date: JAN-12-00

Geochemical Analysis Certificate

Company: **R. Lashbrook**
 Project: **Benton**
 Attn: **R. Lashbrook**

We hereby certify the following Geochemical Analysis of 50 Soil samples submitted JAN-09-00 by .

Sample Number	Au PPB	Au Check PPB	Multi Element
50g F 300W 14051B-tag 14052B	7	-	Results to follow
325W 14052B-no tag	3	-	
200W 14053B-2 tags 53&51	12	15	
50g/300W 14054B	3	-	
30W 14055B	5	-	
14056B	3	-	
14057B	3	-	
40W 14058B	5	-	
14059B	3	-	
14060B	3	-	✓
14061B	5	-	
50W 14062B	5	-	
14063B	5	-	
14064B	10	7	
14065B	3	-	
20g/600W 14066B	2	-	
20g/300W 14067B	3	-	
14068B	7	-	
14069B	2	-	
14070B	5	7	
40W 14071B	2	-	
14072B	3	-	✓
14073B	2	-	
14074B	5	-	
50W 14075B	3	-	
14076B	3	7	
14077B	9	-	
20g/575W 14078B	5	-	
50g/600W 14079B	5	-	
575W 14080B	3	-	

Certified by

1 Cameron Ave., P.O. Box 10, Swastika, Ontario P0K 1T0
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4/11/00
 R. Lashbrook



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Page 2 of 2

0W-0072-SG1

Date: JAN-12-00

Geochemical Analysis Certificate

Company: **R. Lashbrook**
 Project: **Benton**
 Attn: **R. Lashbrook**

We hereby certify the following Geochemical Analysis of 50 Soil samples submitted JAN-09-00 by .

Sample Number	Au PPB	Au Check PPB	Multi Element
50E/550N 14081B	3	-	
14082B	3	-	
50N 14083B	5	-	
14084B	7	-	
45N 14085B	10	-	
475N 400N 14086B	7	-	
14087B	15	-	
14088B	10	-	
14089B	9	9	
300N 14090B	2	-	
50E/125S 14091B	5	-	
175S 14092B	14	-	
200S 14093B	7	-	
14094B	10	-	
14095B	7	-	
2E/275S 14096B	5	9	
50E/300S 14097B	3	-	
275S 14098B	9	-	
225S 14099B	9	-	
200S 14100B	10	5	

Certified by

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0W-0073-SG1

Date: JAN-12-00

Geochemical Analysis Certificate

Company: **R. LASHBROOK**

Project: Benton

Attn: R. Lashbrook

We hereby certify the following Geochemical Analysis of 50 Soil samples submitted JAN-09-00 by .

Sample Number	Au PPB	Au Check PPB	Multi Element Results
14151B L550E/1755	Nil	-	Results to follow
14152B	Nil	-	
14153B	3	-	
14154B 1005	Nil	-	
14155B	5	7	
14156B	Nil	-	✓
14157B	3	-	
14158B L550E/BLD'	Nil	-	
14159B L450E/2255	5	-	
14160B	3	3	
14161B	3	-	
14162B 1005	2	-	
14163B	Nil	-	
14164B	Nil	-	
14165B	5	-	✓
14166B 2005	2	-	
14167B	5	-	
14168B	3	-	
14169B	2	-	
14170B 3005	7	5	
14171B	3	-	
14172B	5	-	
14173B L450E/3755	3	-	
14174B L350E/4005	5	-	
14175B	3	-	
14176B	Nil	-	
14177B	Nil	-	
14178B 3005	7	7	
14179B	Nil	-	
14180B L350E/2505	Nil	-	

Certified by

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



Established 1928

Swastika Laboratories Ltd

Assaying - Consulting - Representation

Page 2 of 2

Geochemical Analysis Certificate

0W-0073-SG1

Company: **R. LASHBROOK**

Date: JAN-12-00

Project: Benton

Attu: R. Lashbrook

We hereby certify the following Geochemical Analysis of 50 Soil samples submitted JAN-09-00 by .

Sample Number	Au PPB	Au Check PPB	Multi Element
14181B L350E/2255	2	-	
14182B	Nil	-	
14183B	Nil	-	
14184B	Nil	-	
14185B	Nil	3	✓
14186B L350E/1005	2	-	
14187B L350E/0+405	Nil	-	
14188B 0+255	Nil	-	
14189B L350E/0L0	3	-	
14190B L250E/0+255	3	-	
14191B	Nil	-	
14192B	Nil	Nil	
14193B 1005	Nil	-	
14194B	Nil	-	
14195B	Nil	-	✓
14196B	2	-	
14197B 2005	3	-	
14198B	Nil	Nil	
14199B	Nil	-	
14200B L250E/2755	Nil	-	

Certified by

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

Swastika Laboratories Ltd

Tel: (705) 642-3244

P.O. Box 10
1 Cameron Avenue
Swastika, Ontario
POK 1T0

INVOICE

NO: 000002

DATE: 01/26/

PAGE: 1

SOLD TO:

SHIP TO: L045

R. LASHBROOK
973 PINE CREEK ROAD
CALLANDER ONTARIO
POH 1H0

Same

GST Number: RT883022329

Proj #/P.O. # Benton

ITEM NO	QUANTITY	UNIT	DESCRIPTION	G	P	UNIT PRICE	AMOUNT
	50		Au			8.00	400.0
	50		Multi Element			8.40	420.0
	50		Sample Prep			1.80	90.0
			Cert #0W-0071-SG1				
	50		Au			8.00	400.0
	50		Multi Element			8.40	420.0
	50		Sample Prep			1.80	90.0
			Cert #0W-0072-SG1				
	50		Au			8.00	400.0
	50		Multi Element			8.40	420.0
	50		Sample Prep			1.80	90.0
			Cert #0W-0073-SG1				
			GST @ 7%				191.1
COMMENTS:							
Net 30 Days						TOTAL	2921.1

Swastika Laboratories Ltd

Tel: (705) 642-3244

P.O. Box 10
1 Cameron Avenue
Swastika, Ontario
POK 1T0

INVOICE

NO: 00000221

DATE: 01/24/00

PAGE: 1

SOLD TO:

R. LASHBROOK
973 PINE CREEK ROAD
CALLANDER ONTARIO
POH 1H0

SHIP TO: L045

Same

GST Number: RT883022329

Proj #/P.O. # Benton

ITEM NO.	QUANTITY	UNIT	DESCRIPTION	G P	UNIT PRICE	AMOUNT
	50		Au		8.00	400.00
	50		Multi Element		8.40	420.00
	50		Sample Prep		1.80	90.00
			Cert #0W-0070-SG1			
Rock 13 Benton	16		Au		8.00	128.00
	16		Multi Element		8.40	134.40
	16		Sample Prep		3.50	56.00
			Cert #0W-0084-RG1			
			GST @ 7%			85.99
COMMENTS: Net 30 Days					TOTAL	1314.39

Rock Assays

BENTON Twp. 13 x 8.00 = \$104.00
 13 x 8.40 = 109.20
 13 x 3.50 = 45.50

 \$ 258.70

400.00
 420.00 } Soils
 90.00

 1,168.70
 7% GST 81.81

 \$1,250.51

Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use) W0060.00327
Assessment Files Research Imaging



41016SW2004 2.20484 BENTON 900

Section 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, assessment work and correspond with the mining land holder. Questions about this Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990, can be directed to the Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario N2P 2Y5.

RECORDING SUDBURY
RECEIVED
AUG 10 2000
9:45 P.M.
1 2 3 4 5 6

Instructions: - For work performed on Crown Lands before recording a claim, use form 0240.
- Please type or print in ink.

2.20484

1. Recorded holder(s) (Attach a list if necessary)

Name RAYMOND LASHBROOK	Client Number 157513
Address 973 PINE CREEK RD., RR. #1 CALLANDER, ONT. P0M 1H0	Telephone Number (705) 752-3957
	Fax Number (705) 752-1932
Name	Client Number
Address	Telephone Number
	Fax Number

2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

Geotechnical: prospecting, surveys, assays and work under section 18 (regs) Physical: drilling stripping, trenching and associated assays Rehabilitation

Work Type Line Cutting Geology Geochemistry	Office Use Commodity Au, Cu, Zn, Pb, Ag
	Total \$ Value of Work Claimed 18,410
Dates Work Performed From Day 11 Month Aug Year 1999 To Day 4 Month Aug Year 2000	NTS Reference A1-0-16
Global Positioning System Data (if available)	Mining Division PORCUPINE
Township/Area BENTON TWP.	Resident Geologist District PORCUPINE
M or G-Plan Number G-3233	

Please remember to: - obtain a work permit from the Ministry of Natural Resources as required;
- provide proper notice to surface rights holders before starting work;
- complete and attach a Statement of Costs, form 0212;
- provide a map showing contiguous mining lands that are linked for assigning work;
- include two copies of your technical report.

3. Person or companies who prepared the technical report (Attach a list if necessary)

Name RAYMOND LASHBROOK	Telephone Number (705) 752-3957
Address 973 PINE CREEK RD., RR. #1, CALLANDER ON.	Fax Number (705) 752-1932
Name POM 1H0	Telephone Number
Address	Fax Number
Name	Telephone Number
Address	Fax Number

RECEIVED
AUG 10 2000
GEOSCIENCE ASSESSMENT OFFICE

4. Certification by Recorded Holder or Agent

I, **RAYMOND LASHBROOK** (Print Name) do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent <i>Raymond Lashbrook</i>	Date Aug 08/00
Agent's Address 973 Pine Creek Rd. Callander	Telephone Number 752-3957
	Fax Number 752-1932

5. Work to be recorded and distributed. Work can only be assigned to claims that are contiguous (adjoining) to the mining land where work was performed, at the time work was performed. A map showing the contiguous link must accompany this form.

W0060.00327

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date
eg TB 7827	16 ha	\$26,825	N/A	\$24,000	\$2,825
eg 1234567	12	0	\$24,000	0	0
eg 1234568	2	\$ 8,892	\$ 4,000	0	\$4,892
1 1235403	9	10,000	3600	—	6400
2 1235404	9	8,410	3600	4800	10
3 1231493	4	—	1600	—	—
4 12314664	8	—	3200	—	—
5					
6					
7					
8				2. 20484	
9					
10					
11					
12					
13					
14					
15					
Column Totals		18,410	12,000	4800	6410

RECEIVED
AUG 10 2000
GEOSCIENCE ASSESSMENT
OFFICE

I, _____, do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing

Date

Ray Faulstich

Aug 08/2000

6. Instruction for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

- 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- 3. Credits are to be cut back equally over all claims listed in this declaration; or
- 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

For Office Use Only

Received Stamp

Deemed Approved Date	Date Notification Sent
Date Approved	Total Value of Credit Approved
Approved for Recording by Mining Recorder (Signature)	

0241 (03/97)

#2274

Personal information collected on this form is obtained under the authority of subsection 6(1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, the information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to the Chief Mining Recorder, Ministry of Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Work Type	Units of Work <small>Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.</small>	Cost Per Unit of work	Total Cost
Line Cutting	19.4 kms.	\$270/km.	\$ 5,238.00
Geology	12 days	\$300/day	3,600.00
Soil Geochemistry	4 man days	\$150/day	600.00
Helper - Geology	8 days	\$120/day	960.00
Report & Drafting	8 days	\$300/day	2,400.00
		2.20484	
Associated Costs (e.g. supplies, mobilization and demobilization).			
ASSAY COSTS - Rock & Soil Samples			4,171.61
Camp Supplies - (Propane, Gas, Oil, Naptha, mantles, rope, flagging, etc)			80.00
Sample Shipment			33.06
Blue Prints Photocopying			30.00
Transportation Costs			
TRUCK Mileage	2724 kms.	0.30/km.	817.20
Food and Lodging Costs			
Food	32 man days	\$15/day	480.00
Total Value of Assessment Work			18,409.87

RECEIVED
 AUG 10 2000
 GEOSCIENCE ASSESSMENT
 OFFICE

Calculations of Filing Discounts:

1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use the calculation below:

TOTAL VALUE OF ASSESSMENT WORK × 0.50 = Total \$ value of worked claimed.

Note:

- Work older than 5 years is not eligible for credit.
- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification. If verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.

Certification verifying costs:

I, RAYMOND LASHBROOK (please print full name), do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying Declaration of Work form as [Signature] (recorded holder, agent, or state company position with signing authority) I am authorized to make this certification.

#3274

Signature <u>Ray Lashbrook</u>	Date <u>Aug 08/00</u>
-----------------------------------	--------------------------

Geoscience Assessment Office
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (888) 415-9845
Fax: (877) 670-1555

October 10, 2000

RAYMOND LEVI LASHBROOK
973 PINECREEK ROAD
CALLANDER, Ontario
P0H-1H0

Visit our website at:
www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpg.htm

Dear Sir or Madam:

Submission Number: 2.20484

Status

Subject: Transaction Number(s): W0060.00327 Approval

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. **WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.**

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

Please note any revisions must be submitted in **DUPLICATE** to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact LUCILLE JEROME by e-mail at lucille.jerome@ndm.gov.on.ca or by telephone at (705) 670-5858.

Yours sincerely,



ORIGINAL SIGNED BY
Steve B. Beneteau
Acting Supervisor, Geoscience Assessment Office
Mining Lands Section

Work Report Assessment Results

Submission Number: 2.20484

Date Correspondence Sent: October 10, 2000

Assessor: LUCILLE JEROME

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W0060.00327	1235403	BENTON	Approval	October 10, 2000

Section:

13 Geochemical GCHEM

12 Geological GEOL

At the discretion of the Ministry, the assessment work performed on the mining lands noted in this work report may be subject to inspection and/or investigation at any time.

Correspondence to:

Resident Geologist
South Porcupine, ON

Recorded Holder(s) and/or Agent(s):

RAYMOND LEVI LASHBROOK
CALLANDER, Ontario

Assessment Files Library
Sudbury, ON

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

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

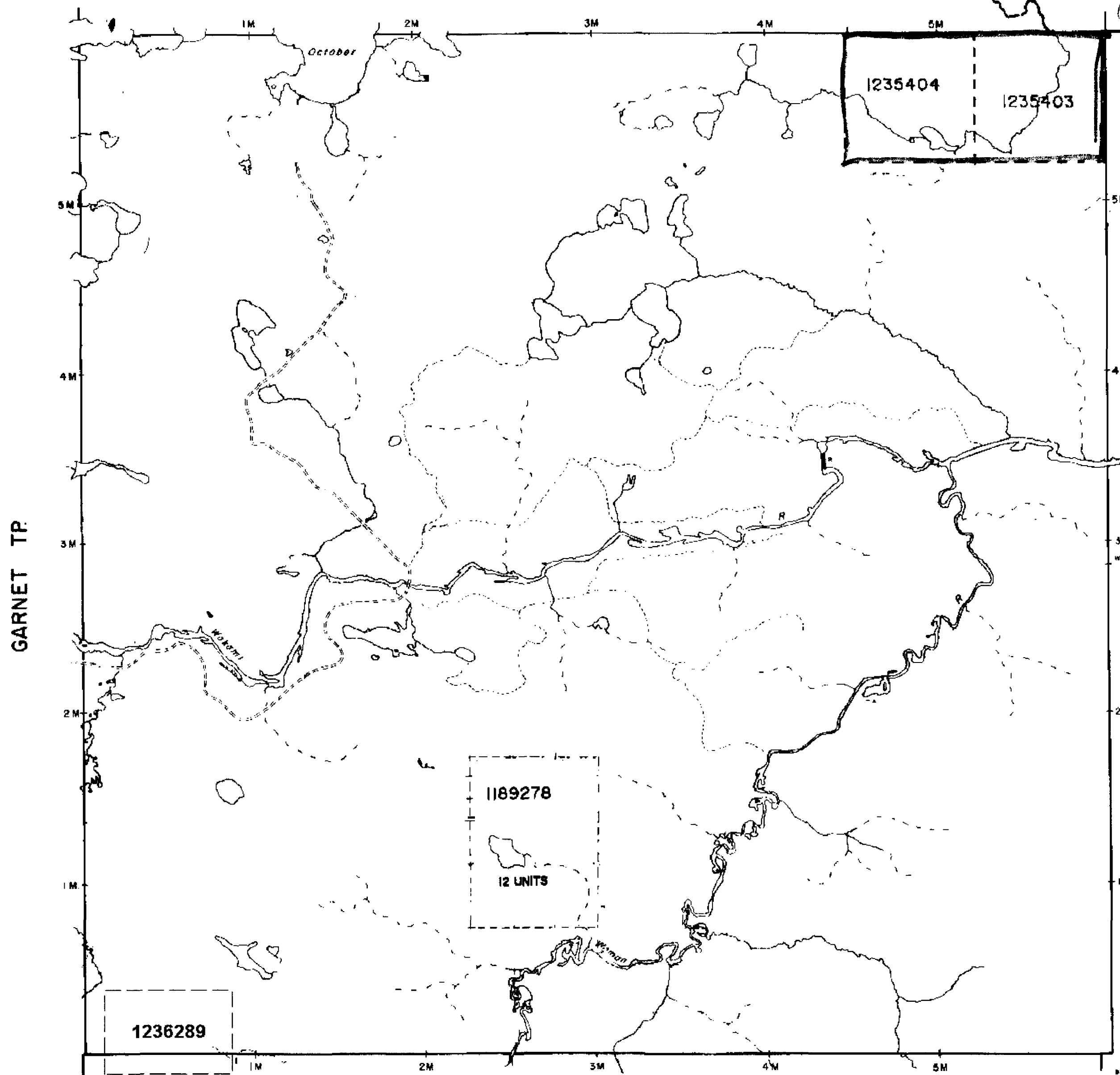
Description	Order No.	Date	Disposition	File

THIS TWP. IS SUBJECT TO FOREST ACTIVITY IN 1983/84. FURTHER INFORMATION ON FILE. 1985/86

(F3)

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.

HEENAN TP



2.20484
GEOL
GCHM

LEGEND

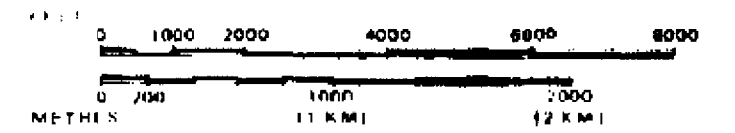
- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES
 - TOWNSHIP'S BASE LINES, ETC.
 - LOTS, MINING CLAIMS PARCELS, ETC.
- UNSURVEYED LINES
 - LOT LINES
 - PARCEL BOUNDARY
 - MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- 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 6 1813 VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT R.S.O. 1970 CHAP. 300 SEC. 63 SUBSEC. 1

SCALE 1 INCH = 40 CHAINS



TOWNSHIP

BENTON

M.N.R. ADMINISTRATIVE DISTRICT

CHAPLEAU

MINING DIVISION

PORCUPINE

LAND TITLES / REGISTRY DIVISION

SUBURRY



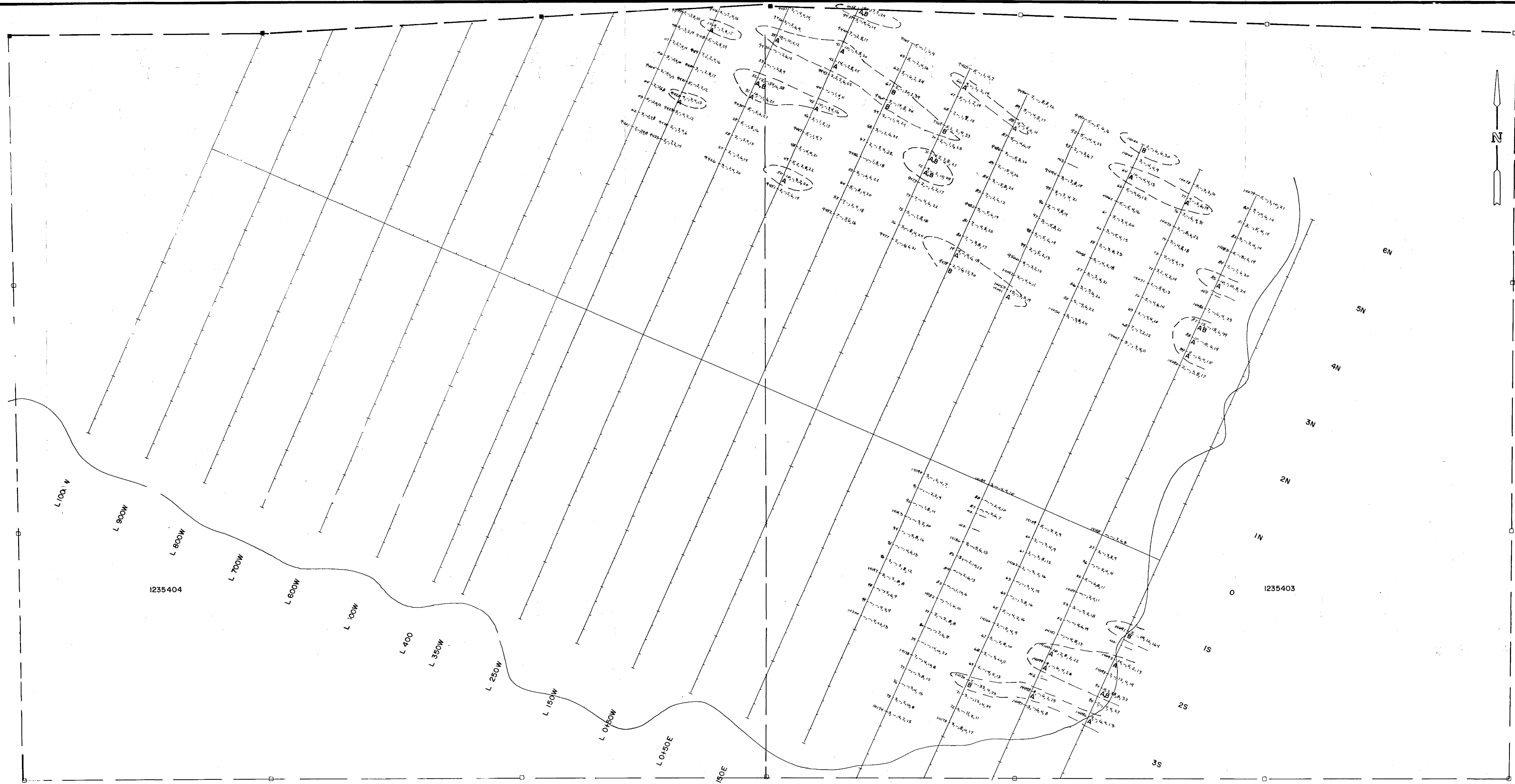
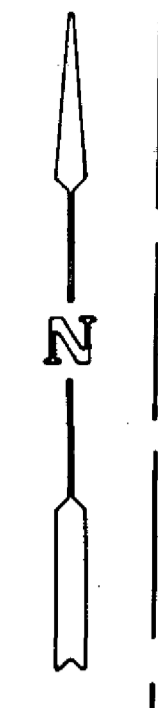
Ministry of Natural Resources
Land Management Branch

Date: MARCH, 1985

Number:

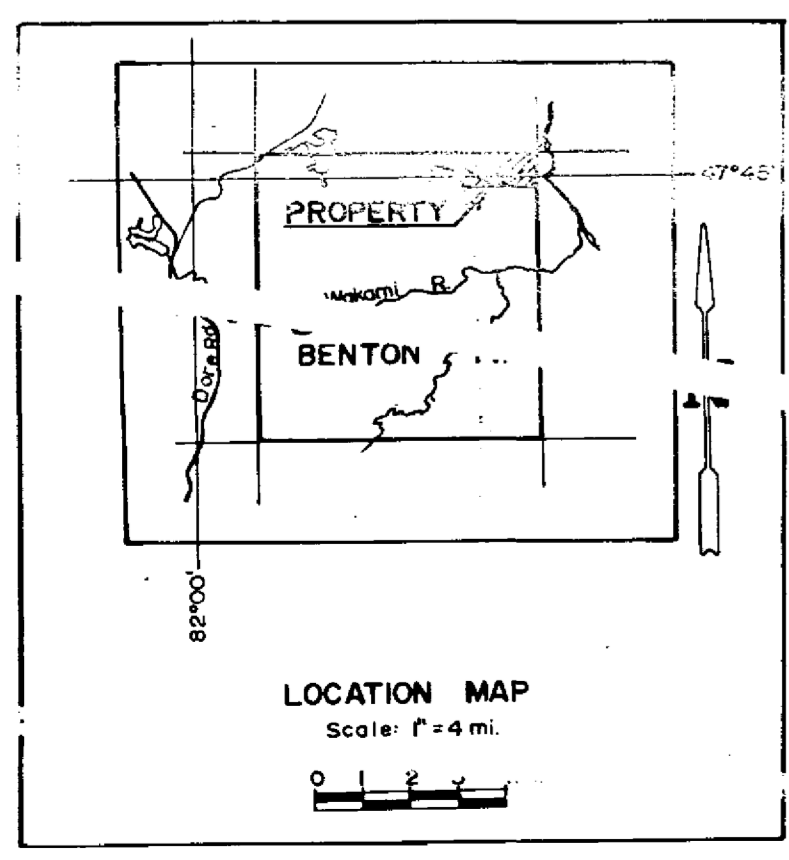
ref. June 5/85

G-3233



1235404

1235403



LEGEND

- A - ANOMALOUS GOLD
- B - ANOMALOUS BASE METALS
- - AREA OF ANOMALOUS VALUES

BENTON EAST PROPERTY

GEOCHEMICAL MAP
Au, Ag, Cu, Pb, Zn

BENTON TOWNSHIP

0 25 50 100m

Date: NOV 1999
Scale: 1:2500

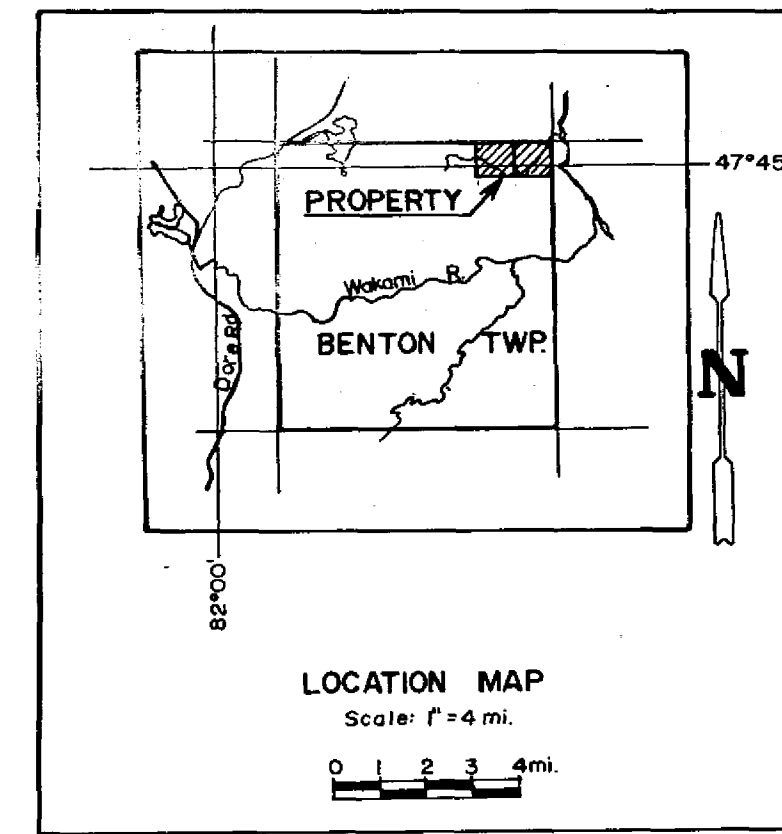
Drawn By: R.L.L.
M.T.S. 41-0/06



- LEGEND**
- 6 DIABASE
 - 5 MAFIC INTRUSIVES
 - 4 FELSIC INTRUSIVES
 - 3 MAFIC TO ULTRAMAFIC METAVOLCANICS
 - a - massive
 - b - tuff
 - c - pillowed
 - d - breccia
 - 2 IRON FORMATIONS
 - a - chert
 - b - jasper
 - c - magnetite
 - d - sulphide
 - e - hematite
 - f - carbonate
 - 1 FELSIC TO INTERMEDIATE METAVOLCANICS
 - a - massive
 - b - flow breccia
 - c - tuff
 - d - monolithic
 - e - heterolithic
 - f - lapilli
 - g - blocks
 - h - quartz crystal tuff
 - i - quartz /v- feldspar porphyry

- SYMBOLS**
- foliation-inclined vertical
 - jointing-inclined vertical
 - outcrop boundary
 - swamp
 - geological contact-assumed

- ABBREVIATIONS**
- | | | | |
|------|----------------------|-----|--------------|
| Qv | quartz vein | py | pyrite |
| cal | calcite vein | cpy | chalcopyrite |
| carb | carbonate alteration | mag | magnetite |
| cgr | coarse grained | QE | quartz eyes |
| chl | chloritic | | |
| ser | sericitic | | |



BENTON EAST PROPERTY
GEOLOGY MAP
BENTON TOWNSHIP

0 25 50 100m

Date: NOV. 1999
Scale: 1:2500

Drawn By: B.L.
NTS: 41-0/16

220
43016P0004 2-20848 BENTON