2.20704

Final OPAP Submission

For

Ted Anderson

OPAP N0. 99-174

Written by

Ted Anderson

Jan. 2000

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1.0 Introduction

During the Summer and Fall of 1999 a Geological and Geophysical Exploration program was carried on the Cucumber Lake Property. The property was staked during the September opening of the Temagami land caution in. A 20 km grid was cut on the property.

The Geology survey consisted of mapping and sampling of rock types. A Magnetometer and EM-VLF survey was also completed over the property.

The Geology survey is a separate report from the geophysics and will be added as an appendix to this report.

2.0 Project Location

The project area is located approximately 30 Kilometers southwest of Temagami in the Township of Macbeth, Sudbury District & Mining Division, as shown on the appended Key Map, Prospecting/Geology and Claim Maps. The proposed prospecting area is 33 Units 5 +/- sq. km in size. His township can be found on 1:50,000 scale map 41 I/16. The center of the proposed area is Latitude 46 deg. 50 min., Longitude 80 deg. 20 min.

Access to the site is gained by driving North from Sturgeon Falls on Hwy. 64 to Field and to River Valley. From here Hwy. 805 is taken to the turnoff to Wawiashkashi Lake where a lumber road leads to Cucumber Lake.

2.1 Claims

The claims covered in this report are 1223118 (1-unit), 1234932 (2-units), 1228687 (15-units), and 1224500 (15-units).

2.2 Personnel

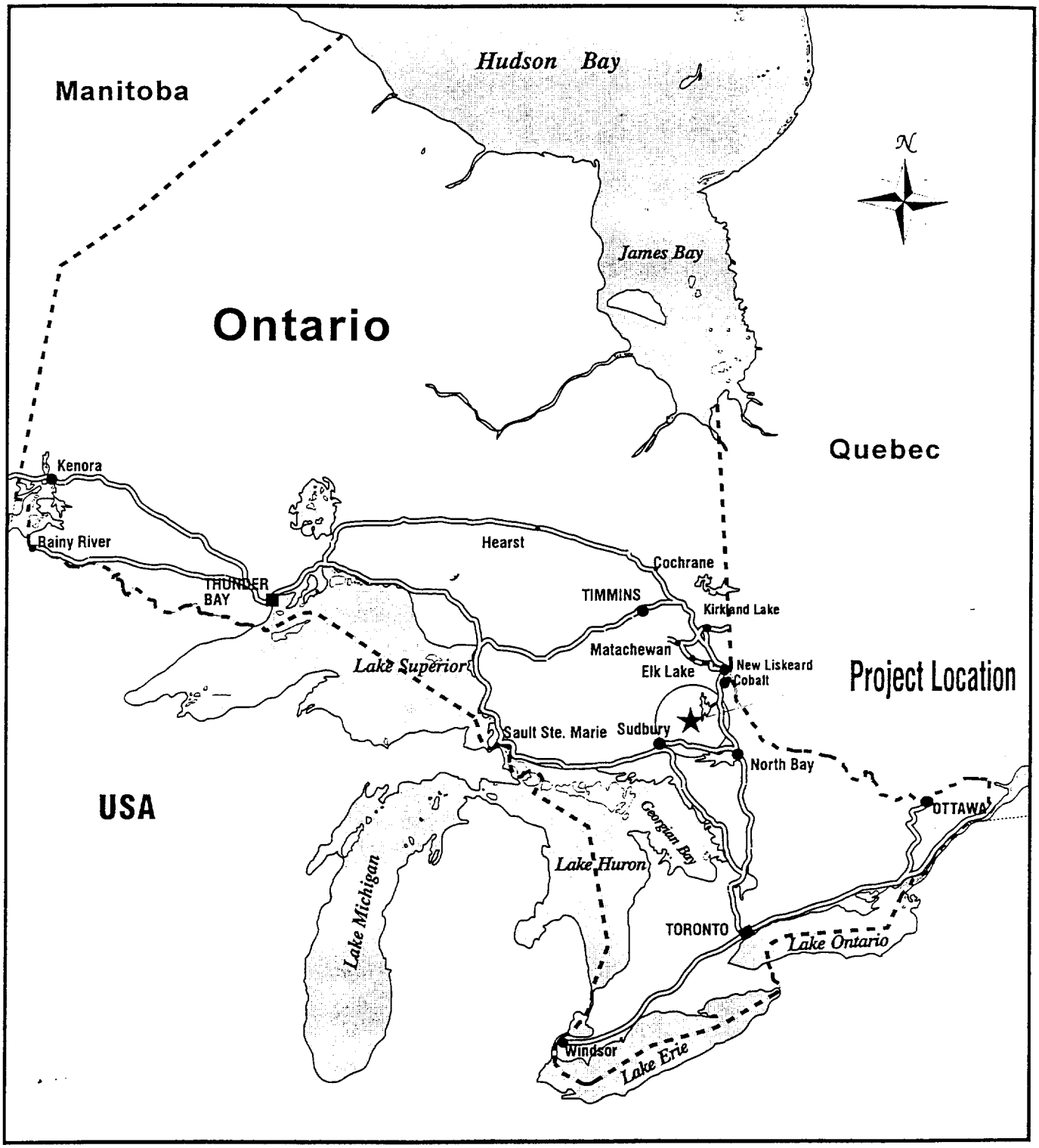
People involved with this project are:

Ted Anderson Smiths Falls, ON.

T.J. Quesnel Sturgeon Falls, ON.

Pierre Mallette Timmins, ON.

Lan Anderson Timmins, ON.



0 50 100 200 300 400 km

Ted Anderson
1066 Perth Road, RR #6, Smith Falls, ON J7A 4S7
Tel. (613) 283-7837

CUCUMBER LAKE PROPERTY

MacBeth Township
Sudbury District, Ontario

Key Map

Scale: see bar scale		Date: May 1999
Drawn by: TA		Figure: 1

3.0 Geology

3.1 Regional

All the bedrock exposed is of Precambrian age. He oldest rocks of the map area are a sequence of Early Precambrian metavolcanics and metasediments with locally interbedded chert (jasper) magnetite, and sulphide iron formation. These rocks are locally intruded by porphyries similar to the flows they intrude, and are intruded by diabase dikes. The Early Precambrian sequence in unconformably overlain by Middle Precambrian Huronian sedimentary rocks of the Mississagi and Gowganda Formations. Sheet-like Nipissing Intrusions (tholeiitic gabbro) intrude the Huronian and older rocks. The youngest bedrock in the map-area have been regionally metamorphosed under lower greenschist facies conditions.

The former New Golden Rose Mine produced 43,359 ounces of gold and 8,296 ounces of Silver from quartz-ankerite veins in iron formation.

3.2 Local Geology

According to published OGS geology maps and the authors field reconnaissance, the area of concern is underlain by Early Precambrian felsic to intermediate metavolcanic which in turn are overlain by Mississagi Formation sediments to the south and Gowganda Formation sediments to the North. These sediments have been intruded by Nipissing Diabase intrusions, generally metagabbro and hornblende gabbro. A large diabase dike is purported to cross the project area in a northwesterly trend. The mapping are is bisected by a small fault (Cucumber Lake Fault which travels north towards the Golden Rose Mine).

4.0 Previous work

According to the assessment files at the Mining Recorder in the Sudbury office, there has been very little, if any, work done on the project area with the exception of some shallow drilling and trenching on the Cucumber Lake occurrence. Work has been performed to the southwest of the project area, but due to the hiatus caused by the Temagami Land Caution, no work has been filed in the majority project area in well over 25 years. A copy of the assessment files index sheets are appended which show no assessment work over the majority of the area to be prospected and no geophysical surveys at all.

In the summer of 1998 a small sampling program was completed. The samples were from the trenches on the East side of Cucumber Lake and showed anomalous gold values.

5.0 Geophysics

5.1 Magnetometer

The magnetometer survey used in this property was a Geometric Model G 816 Portable Proton Magnetometer, see appendix for specification information on the magnetometer. The magnetometer data was corrected for diurnal drift using the baseline correction method. The drift was very minimal during the survey and little correction was required. The survey was performed on a 200m line interval with readings being taken at 25m intervals on each line. During the survey if suspect high or low readings were taken a second would be taken to verify the reading.

5.2 EM-VLF

The Electromagnetic Very Low Frequency survey used a Geonics EM-16, see appendix for specification information on the EM-16. The station read was NAA Cutler, Maine, Frequency 17.8 kHz, co-ordinates 67W17-44N39. All readings were taken facing North with a 200m line interval and a 25m station interval.

6.0 Interpretation

Several different anomalous zones have been identified with the magnetometer and em-vlf survey. They are labeled alphabetical and will be discussed on an individual basis.

6.1 Zone A

This zone extends from Line 0, 500N to Line 18E 25N, it strikes in a Northwest-Southeast orientation. In the East the zone has a width of 150-200meters and pinches as it extends East down to about 50meters. The anomaly is in the range of 300-800 gamma's above background. The Vlf survey shows cross overs following the some strike but plots a little further south. With this anomaly being caused by a Diabase Dike, likely the VLF is picking up the contact between the Diabase and the metasediments.

6.2 Zone B

This zone extends from Line 0, 200S to Line 14E,1100S, it also strikes Northwest-Southeast. This anomaly is caused be a Diabase dike as Zone A. Has a width in the West of 100meters and as it strikes East it falls off the grid to the South due to a large swamp and the claim boundary. The anomaly has a range from 300-900 gamma's above background. As Zone the VLF also tracks the southern contact of this anomaly.

6.3 Zone C

This zone extends from Line 10E, 500S to 12E,500S with a width of about 50m. This anomaly has a range of 300-400 gamma's above background. There is no VLF anomaly associated with this Magnetometer responds. Although the strike is short on Zone C it may be related to zone D. This Zone may also be the contact between the metasediments and the metavolcanics.

6.4 Zone D

Zone D being just Southeast of Zone C is likely associated. With a strike from Line 14E,675N to Line 16E,650S with a weak responds on Line 18E,625S. The Anomaly is 100m in width at the West Side and down to 25m at Line 18. The range on the east and West End is the 500gamma range, but line 16E is 4000 gamma's above background. This reading was taken several times and repeated consistently. No VLF is associated with this zone. Zone C may also be a result from the contact between the metasediments and the Metavolcanics.

6.5 Zone E

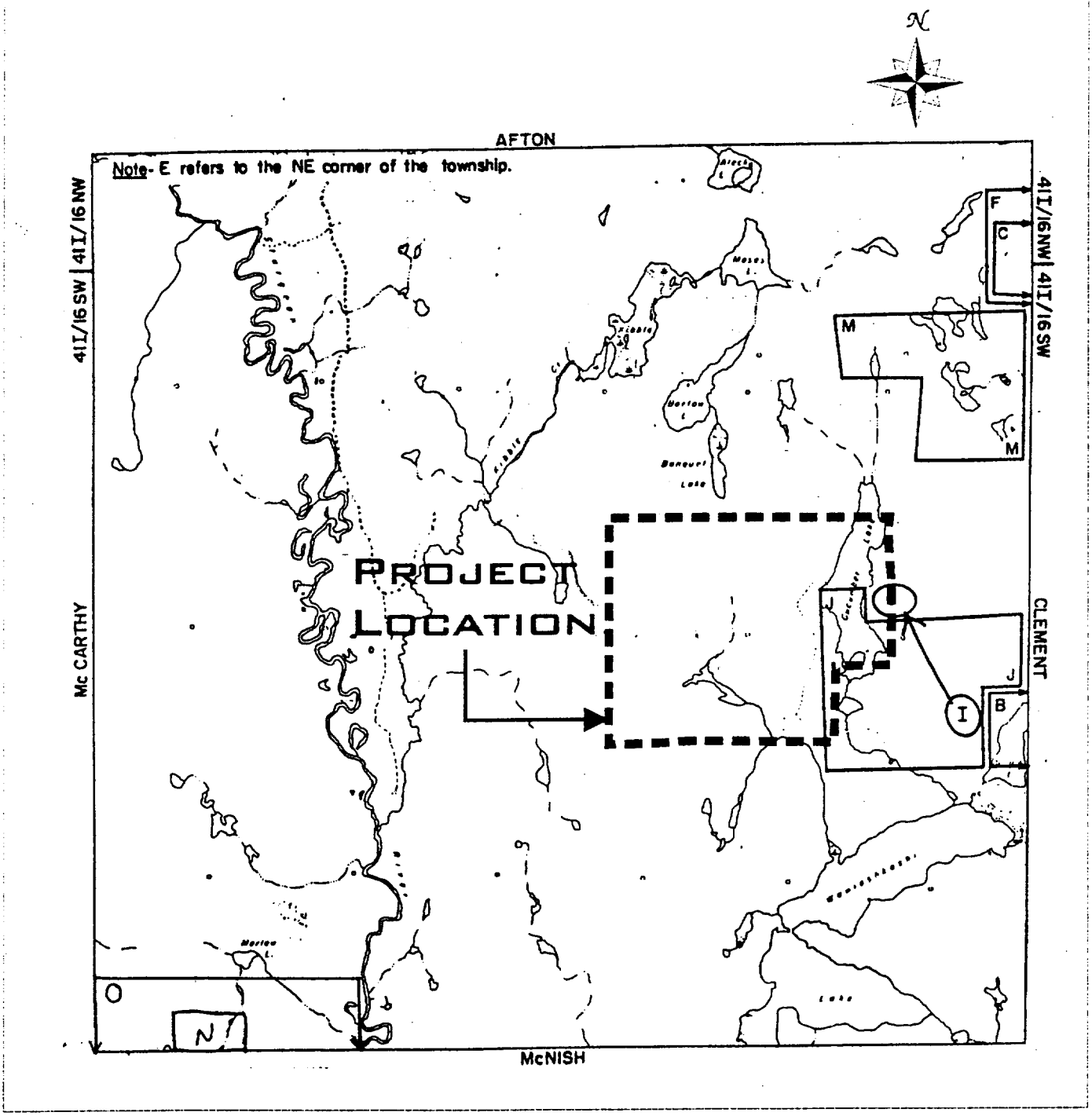
Zone E located on L0,675S has a range of 1500 gamma's above background, with a weak VLF anomaly associated with it. This anomaly may be caused by the contact between the metasediments and the Gowganda Formation.

6.6 Zone F

Zone F runs from Line 6E,600N to Line 18E,500N. This zone has a VLF anomaly running the entire strike but the magnetometer anomaly is only on L10E and 12E at 625N with a range of 200 gamma's above background. This anomaly may be the contact between the metavolcanics and the Gowganda Formation to the North.

7.0 Recommendations & Conclusions

With the completion of the geophysics and several anomalies being established, the first recommendation would be to cut the 100 Meter Lines in the grid to get a better detailed survey of Mag and VLF to track the anomalies. Although Zone A and B are associated with a Diabase Dike, Zone C,D,E and F should have follow up work. A winter grid could be put in on the lake to continue the data from the East to the West side of Cucumber Lake. An Induced Polarization survey over the old trenches on the East side of the lake as well as the anomalous area West of the Lake would be advised.

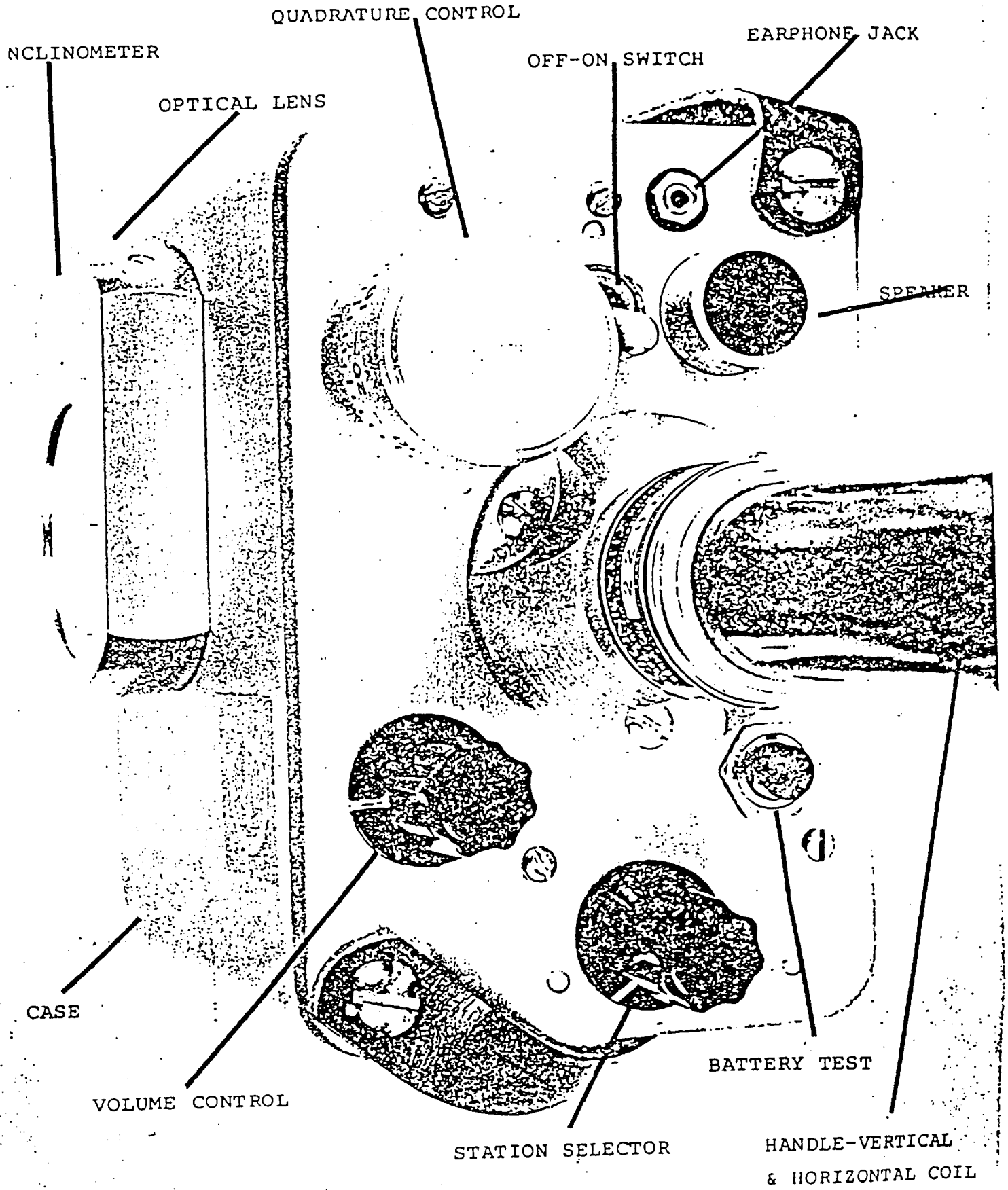


	Ted Anderson 1066 Perth Road, RR #6, Smith Falls, ON J7A 4S7 Tel. (613) 283-7837
	CUCUMBER LAKE PROPERTY MacBeth Township Sudbury District, Ontario
	Assesment Index Map #2
	Scale: Not To Scale — Date: May 1999
	Drawn by: TA

EM16 SPECIFICATIONS

MEASURED QUANTITY	In-phase and quad-phase components of vertical magnetic field as a percentage of horizontal primary field. (i.e. tangent of the tilt angle and ellipticity).
SENSITIVITY	In-phase :±150% Quad-phase :± 40%
RESOLUTION	±1%
OUTPUT	Nulling by audio tone. In-phase indication from mechanical inclinometer and quad-phase from a graduated dial.
OPERATING FREQUENCY	15-25 kHz VLF Radio Band. Station selection done by means of plug-in units.
OPERATOR CONTROLS	On/Off switch, battery test push button, station selector switch, audio volume control, quadrature dial, inclinometer.
POWER SUPPLY	6 disposable 'AA' cells.
DIMENSIONS	42 x 14 x 9cm
WEIGHT	Instrument: 1.6 kg Shipping : 4.5 kg

FIG. 1 EM 16


QUADRATURE CONTROL
EARPHONE JACK
NCLINOMETER
OFF-ON SWITCH
OPTICAL LENS
SPEAKER
CASE
BATTERY TEST
VOLUME CONTROL
STATION SELECTOR
HANDLE-VERTICAL
& HORIZONTAL COIL

SELECTION OF THE STATION

The magnetic field lines from the station are at right angles to the direction of the station. Always select a station which gives the field approximately at right angles to the main strike of the ore bodies or geological structure of the area you are presently working on. In other words, the strike of geology should point to the transmitter. (See Figure 3). Of course, $\pm 45^{o}$ variations are tolerable in practice.

Tuning of the EM16 to the proper transmitting station is done by means of plug-in units inside the receiver. The instrument takes two selector-units simultaneously. A switch is provided for quick switching between these two stations.

To change a plug-in unit, open the cover on top of the instrument, and insert the proper plug. (Figure 10) Close the cover and set the selector switch to the desired plug-in.

On the following pages is a variety of information on the most commonly used (i.e. reliable) VLF Transmitters including transmission frequency, geographical location and their scheduled maintenance periods.

NOTES ON VLF TRANSMISSIONS

	STATION	LOCATION	FREQUENCY (kHz)	CO-ORDINATES
N.AMERICA	NAA	Cutler, Maine	17.8	67W17-44N39
	NLK	Seattle, Washington	18.6	121W55-48N12
	NSS	Annapolis, Maryland	21.4	76W27-38N59
EUROPE	GBR	Rugby, England	16.0	01W11-52N22
	FUO	Bordeaux, France	15.1	00W48-44N65
	JXZ	Helgeland, Norway	16.4	13E01-66N25
	UMS	Moscow, U.S.S.R.	17.1	37E01-55N49
PACIFIC	NWC	North West Cape Australia	22.3	114E09-21S47
	NDT	Yosami, Japan	17.4	137E01-34N58
	NPM	Lualualei, Hawaii	23.4	158W09-21N25

November 9th, 1978. VLF Transmitter Information

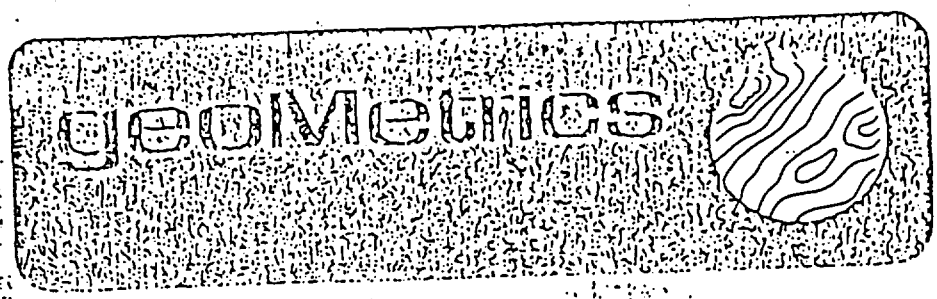
NAVY STATIONS OFF-AIR TIMES:

NAA	Schedule off 1300 to 2300 UT daily 15 Nov. through 17 Nov.
NDT	Scheduled off twenty-four hours each day 28 Oct. and 29 Oct. (Local); ten hours each day Mon. through Sat. (Local) Beginning 14 Jan.1979 at 2300 UT and ending 6 Feb. at 0900 UT; Twenty-four hours each day Mon. through Sat. (Local) Beginning 6 Feb. at 2300 UT and ending 7 Mar. at 0900 UT; Ten hours each day Mon. through Sat. (Local) Beginning 7 Mar. at 2300 UT and ending 13 Apr. at 0900 UT.
NPM	19 Oct. 1800 to 2158 UT Sechuled off 1800 to 0200 UT Mon. through Fri. (Local) 15 Jan.1979 to 17 Mar.
NSS	Scheduled off 15 Oct. to 10 Nov. and 1200 to 2400 UT daily 21 Nov. through 24 Nov.
NWC	May be off intermittently until 24 Nov.

NORMAL MAINTENANCE PERIODS:

NAA	Every Mon. 1400 to 1800 UT. If Holiday falls on Mon., maintenance will be performed on preceding Fri.
NDT	First Thu./Fri. of month 2200 to 0800 UT, other Thu./Fri. 2200 to 0600 UT
NLK	Every Thu. 1600 to 2400 UT. During daylight saving time every Thu. 1500 to 2300 UT.
NPM	Every Wed./Thu. 1800 to 0200 UT.
NSS	Every Tue. 1200 to 2000 UT.
NWC	Every Wed. 0000 to 0800 UT.

For further information the U.S. Naval Observatory, Time Service Division, Washington,D.C., may be contacted at (202) 254-4548.



MODEL G 816
PORTABLE PROTON MAGNETOMETER

MANUAL P/N T0017

2. Cycle the magnetometer a few times by depressing the READ button--releasing--and waiting for a reading each cycle.

3. Observe measurement readings. Each reading should repeat to ±1 gamma. (A slow shift may occur over several minutes due to a diurnal change in the earth's field.)

4. Place the suspected article at the distance from the sensor expected during actual survey operation.

5. Cycle magnetometer several times and note the readings.

6. Remove the article and repeat steps 2 and 3 to check for diurnal shifts in the earth's field. If a diurnal shift is present, repeat entire test.

7. If the readings obtained in step 5 differ by more than ±1 gamma (one count) from those obtained in steps 3 and 6, then the article is magnetic.

IF THE ARTICLE IS HIGHLY MAGNETIC, OR IF THE SENSOR IS INSIDE OR NEAR A BUILDING OR VEHICLE, THE PROTON PRECESSION SIGNAL WILL BE LOST, GIVING COMPLETELY ERRATIC READINGS AND LOSS OF ±1 COUNT REPEATABILITY.

The magnetometer should not be operated in areas that are known sources of radio frequency energy, power line noise (transformers), in buildings or near highly magnetic objects. The sensor should always be placed on the staff above the ground, or in the "backpack". The sensor will NOT operate properly when placed directly on the ground.

1.3 SPECIFICATIONS

Sensitivity:	±1 gamma throughout range
Range:	20,000 to 90,000 gammas (worldwide)
Tuning:	Multi-position switch with signal amplitude indicator light on display
Gradient Tolerance:	Exceeds 800 gammas/ft
Sampling Rate:	Manual pushbutton, one reading each 6 seconds.

VLF Survey
Profile Data in %
Line Interval 200m
Station Interval 25m
20.3 km of line
AZIMUTH TRUE NORTH
GEONICS EM-16
READINGS IN %
OPERATOR
LAMDERSON
STATION READ
NAA
EM-VLF
PROFILES
Cucumber Lake
MacBeth Twp.
1:200
900 NORTH
800 NORTH
700 NORTH
600 NORTH
500 NORTH
400 NORTH
300 NORTH
200 NORTH
100 NORTH
BASE LINE
100 SOUTH
200 SOUTH
300 SOUTH
400 SOUTH
500 SOUTH
600 SOUTH
700 SOUTH
800 SOUTH
900 SOUTH
1000 SOUTH
1100 SOUTH
1200 SOUTH
0
200 EAST
400 EAST
600 EAST
800 EAST
1000 EAST
1200 EAST
1400 EAST
1600 EAST
1800 EAST
2200 EAST
2250 EAST
2300 EAST
2340 EAST
METERS
0
200
400
600
800

900 NORTH
800 NORTH
700 NORTH
600 NORTH
500 NORTH
400 NORTH
300 NORTH
200 NORTH
100 NORTH
BASE LINE
100 SOUTH
200 SOUTH
300 SOUTH
400 SOUTH
500 SOUTH
600 SOUTH
700 SOUTH
800 SOUTH
900 SOUTH
1000 SOUTH
1100 SOUTH
1200 SOUTH
0
200 EAST
400 EAST
600 EAST
800 EAST
1000 EAST
1200 EAST
1400 EAST
1600 EAST
1800 EAST
2200 EAST
2250 EAST
2300 EAST
2340 EAST
METERS
0
200
400
600
800
VLF Survey
Frazer Filtered VLF
Line Interval 200m
Station Interval 25m
20.3 km of line
Contour Interval 2%
Azimuth True North
GEONICS EM-16
READINGS IN %
OPERATOR
LANDERSON
STATION READ
NAA
Frazer Filter
EM-VLF
Cucumber Lake
MacBeth Twp.
1: 200

900 NORTH
800 NORTH
700 NORTH
600 NORTH
500 NORTH
400 NORTH
300 NORTH
200 NORTH
100 NORTH
BASE LINE
100 SOUTH
200 SOUTH
300 SOUTH
400 SOUTH
500 SOUTH
600 SOUTH
700 SOUTH
800 SOUTH
900 SOUTH
1000 SOUTH
1100 SOUTH
1200 SOUTH
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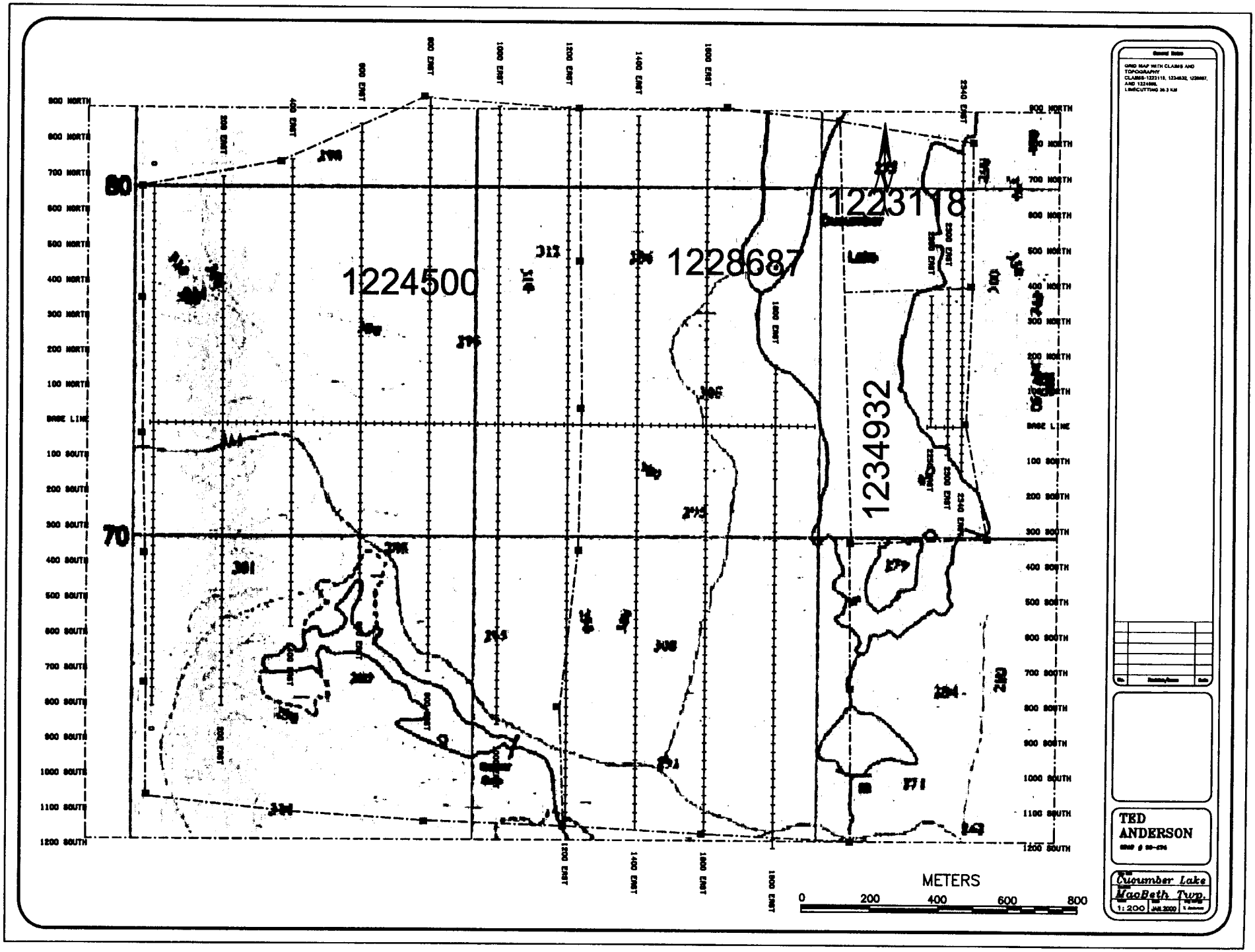
200 EAST
400 EAST
600 EAST
800 EAST
1000 EAST
1200 EAST
1400 EAST
1600 EAST
1800 EAST
2000 EAST
2200 EAST
2300 EAST
2340 EAST
N
METERS
0
200
400
600
800
Magnetometer Survey
Contour Interval 20 gammas
Line Interval 200m
Station Interval 25m
20.3 km of line
AZIMUTH TRUE NORTH
DATUMN SUBTRACT 57000 GAMMAS
OPERATOR T.ANDERSON
INSTRUMENT GEOMETRICS MODEL G-816
BASELINE CORRECTED
ANNOMALLY
MAGNETOMETER CONTOUR MAP
Cucumber Lake
MacBeth Twp.
1:200


1223118
1228687
1224500
1234932
80
70
METERS
0 200 400 600 800
TED ANDERSON
Cucumber Lake
MacBeth Twp.
1:200

Geological & Sampling Report
Cucumber Lake Prospect

TOWNSHIP OF MACBETH
SUDBURY DISTRICT, ONTARIO

Prepared for:

Ted Anderson
1066 Perth Road
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(613) 283-7837

Prepared by:

T.J. Quesnel B.Sc. FGAC
1231 Hwy 17 West - P.O. Box 2288
Sturgeon Falls, ON POH 2GO
(705) 753-2387

PROJECT LOCATION

The project area is located approximately 30 kilometers southwest of Temagami in the Township of Macbeth, Sudbury District & Mining Division, as shown on the appended Location Map, and Geology and Sampling Maps. The property size is 33 Units in size. This township can be found on 1:50,000 scale map 41 I/16. The center of the property area is at Latitude 46° 50', Longitude 80° 20'.

Access to the site is gained by driving North from Sturgeon Falls on Hwy 64 to Field and to River Valley. From here Hwy 805 is taken to the turnoff to Wawiashkashi Lake where a lumber road leads to Cucumber Lake

Property History

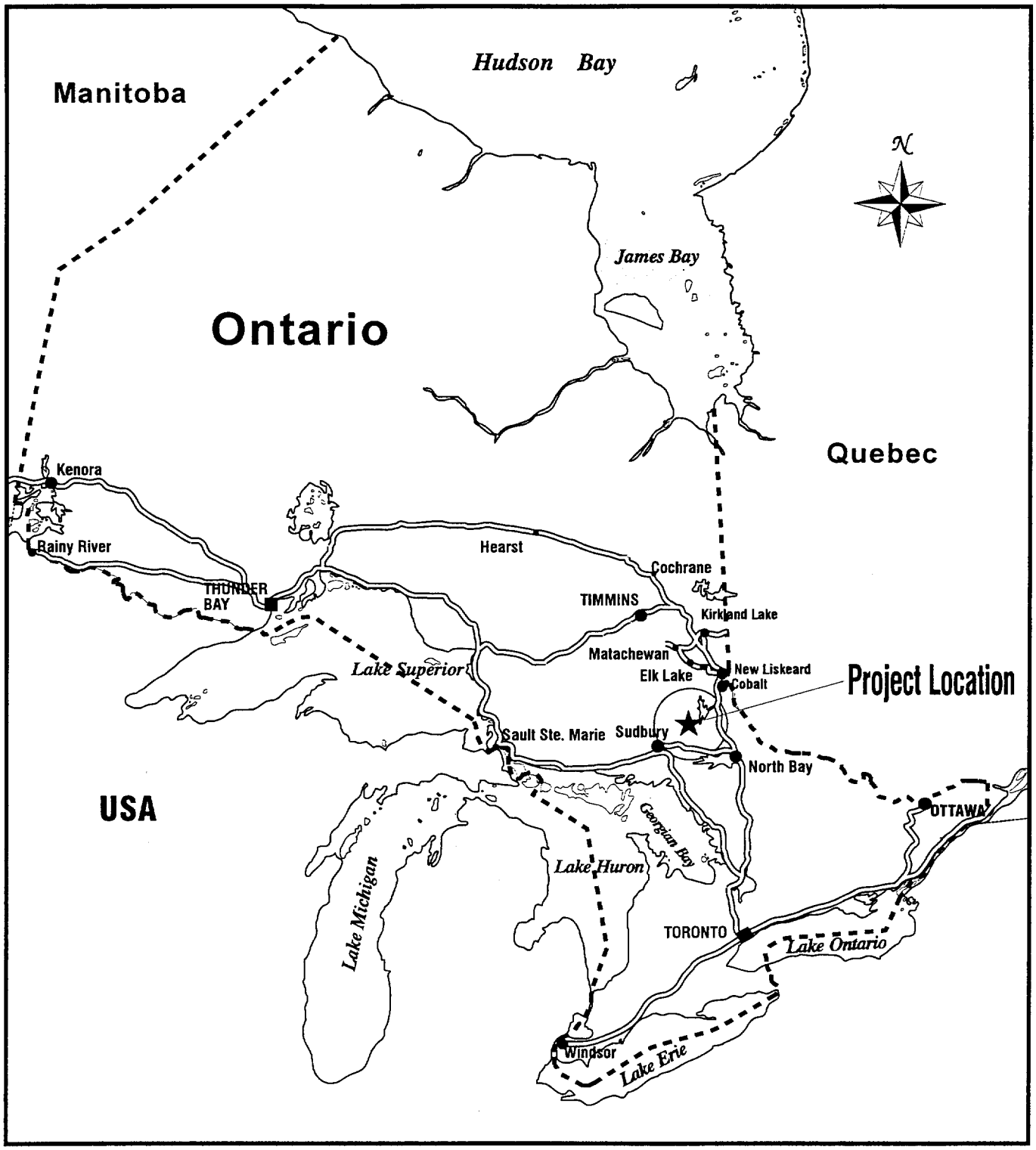
A quartz vein was discovered in 1959 on the eastern shore of Cucumber Lake. The vein was followed by trenching for a length of 64 m (210 feet). One diamond drill hole, 33.5 m (110 feet) was drilled in 1959 on the shore of Cucumber Lake, and encountered only porphyritic andesite. Five diamond-drill holes were also drilled in 1959 to explore the quartz vein and totaled 63.4 m (208 feet) in length. The vein is about 0.3 to 0.6 m (1 to 2 feet) thick, and strikes about W50°E and dips about 50 degrees to the northwest." This vein has been assayed at 1.76 oz/tom Au by OGS Geologists and has not been explored any further since the Temagami Land Caution. (>20 years). Drilling to date has been confined to the quartz vien and has only been shallow.

GEOLOGY

Regional

All the bedrock exposed is of Precambrian age. The oldest rocks of the map area are a sequence of Early Precambrian metavolcanics and metasediments with locally interbedded chert (jasper) magnetite, and sulphide iron formation. These rocks are locally intruded by porphyries similar to the flows they intrude, and are intruded by diabase dikes. The Early Precambrian sequence is unconformably overlain by Middle Precambrian Huronian sedimentary rocks of the Mississagi and Gowganda Formations. Sheet-like Nipissing Intrusions intrude the Huronian and older rocks. The youngest bedrock in the map-area consists of Late Precambrian Nipissing diabase and olivine diabase dikes. Pleistocene and Recent gravel, sand, silt, and swamp deposits cover the area between exposures of Precambrian rock.

The Early Precambrian sequence is folded into a nearly vertical position. A bedding plane foliation occurs in the metasediments, and quartz veining, and brecciation occur in the iron formation. The Middle and Late Precambrian rocks have been block faulted and locally folded in close proximity to faults, but are otherwise quite undisturbed. With local exceptions near intrusions, shear, and fault zones, the rocks of the map-area have been regionally metamorphosed under lower greenschist facies conditions.



0 50 100 200 300 400 km

Ted Anderson
1066 Perth Road, RR #6, Smith Falls, ON J7A 4S7
Tel. (613) 283-7837

CUCUMBER LAKE PROPERTY

MacBeth Township
Sudbury District, Ontario

Key Map

Scale: see bar scale		Date: May 1999
Drawn by: TA		Figure: 1

Local Geology

The property is primarily underlain by intermediate Early Precambrian volcanic rocks which are generally massive or tuffaceous (photo 2). The volcanics gradually grade to metasediments which are commonly interbedded and gradually change to greywacke but more commonly dark argillaceous sediments on the south side of the claim group. Gowganda Formation metasediments (photo 1) are found in the northwestern portion of the claim group and occurs as massive, laminated or pebbly. A large medium grained, Nipissing diabase dike roughly 60 meters in width bisects the property from the northwest to the southeast. As shown on the OGS mapping for the area the Cucumber Lake Fault bisects Cucumber Lake. It is believed by the author that this faulting is the main structural factor for the quartz veining along the Lake. Reconnaissance mapping was carried out over 20 km of cut line at 200 m spacing and available outcrops were sampled for background geochemistry and assays where available. Outcrop on the property is sparse. Results indicate that the majority of outcropping is barren with the exception of the quartz vein showing on the east side of Cucumber Lake. (photo 3) This showing was sampled and has yielded encouraging results. (see sample descriptions and analysis below).

Sample Descriptions

Sample #	Description	Au ppb	Ag ppm	Cu ppm
617001	Intermediate Volcanic, fine grained, massive.	<5	<0.2	49
617002	Intermediate volcanic tuff, fg	<5	<0.02	6
617004	Quartz veining, disseminated pyrite and pyrrhotite, from pit closest to shore	5160	1.4	403
617005	Highly silicified volcanic directly adjacent to quartz veining in pit 1 upto 3% sulphides (py & pyr)	4430	1.0	673
617006	Quartz veining, disseminated sulphides (<1%), from pit 2	1040	0.4	144
617007	Highly silicified andesite, green, mottled appearance. Up to 4% py	600	<0.2	139
617008	Intermediate massive volcanic fg, massive	<5	<0.2	33
617009	Dark siliceous argillaceous. sediment, trace pyrite	<5	<0.2	32
617010	Medium grained Nipissing diabase.	<5	<0.2	44
617011	Gowganda formation sediments, laminated bedding with large clasts	<5	<0.2	57

*note Sample 617003 was not submitted for analysis

Recommendations

The major occurrence is the quartz veining on Cucumber Lake. It is recommended that the shoreline of the lake be further investigated to see if any more of this mineralization is occurring along and possible under the Lake itself. Also due to the 200, line spacing of the grid was there is still a possibility that more mineralization will be found on the property with further prospecting.

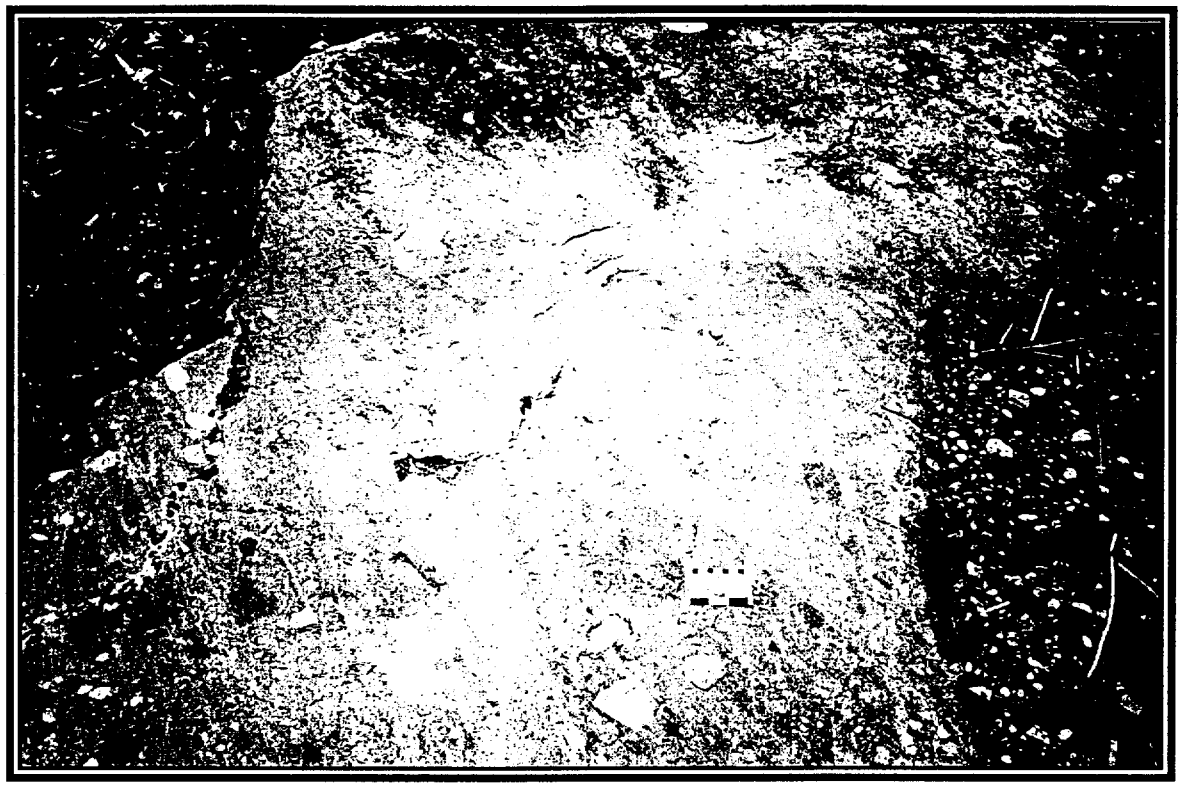


Photo 1 – Taken slightly north of Claim 1228687 photo shows Gowganda Formation with large 4 inch clasts

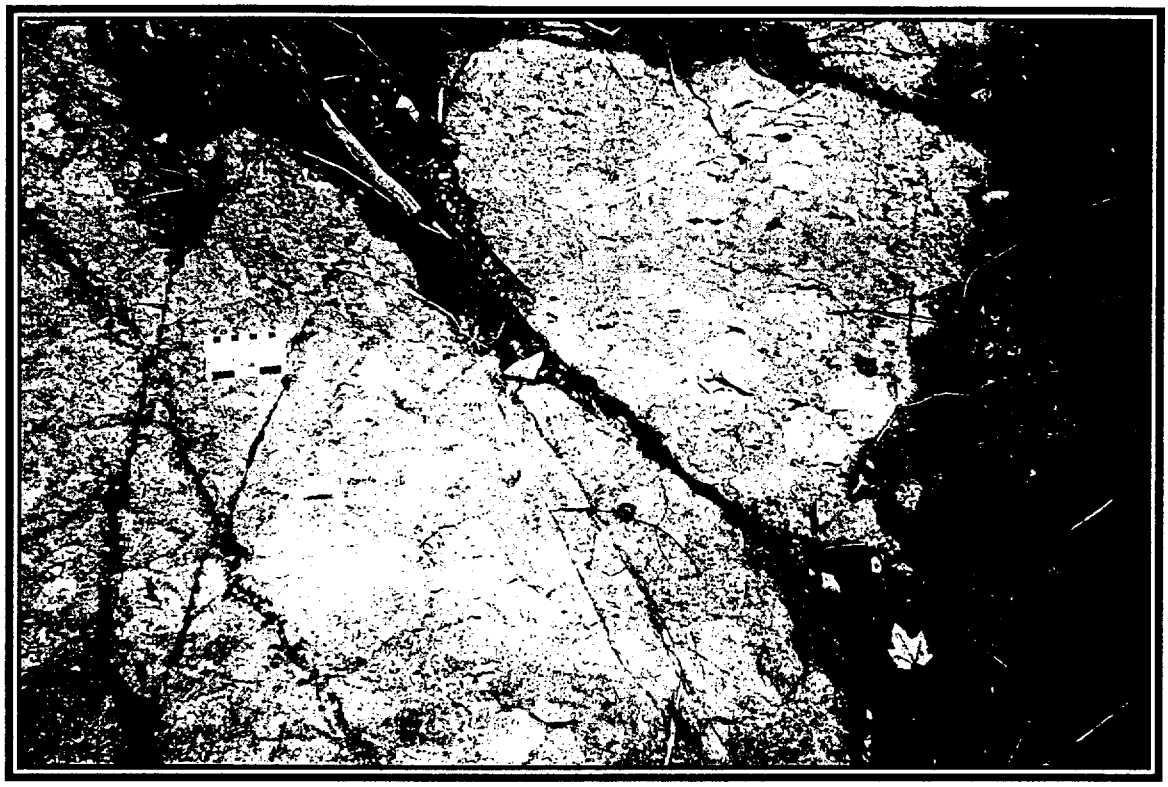


Photo 2 Intermediate volcanics showing large remnant pyroclastic breccia.

Photo 3. Cucumber Lake quartz vein showing – looking east, up to 1 meter wide quartz vein with up to 20% sulphides in some areas.

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

5175 Timberlea Blvd., Mississauga
Ontario, Canada L4W 2S3
PHONE: 905-624-2806 FAX: 905-624-6163

To: ANDERSON, TED **

1066 PERTH RD., RR6
SMITH FALLS, ON
J7A 4S7

Project : CUMUMBEN
Comments: ATTN: TED ANDERSON CC: T.J. QUESNEL (mail)

Page Number : 1-A
Total Pages : 1
Certificate Date: 24-DEC-99
Invoice No. : I9935954
P.O. Number : TJQ
Account : RRW

CERTIFICATE OF ANALYSIS A9935954

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %
617001	205	226	< 5	< 0.2	1.59	28	< 10	30	< 0.5	< 2	1.17	< 0.5	11	277	49	2.35	< 10	< 10	0.06	20	1.56
617002	205	226	< 5	< 0.2	2.59	10	< 10	10	< 0.5	2	1.70	< 0.5	19	135	6	3.63	< 10	< 10	0.07	10	1.58
617003	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
617004	205	226	5160	1.4	0.52	10	< 10	200	< 0.5	< 2	0.17	0.5	42	257	403	2.38	< 10	40	0.30	10	0.05
617005	205	226	4430	1.0	1.30	16	< 10	100	< 0.5	2	0.87	< 0.5	66	73	673	3.62	< 10	30	0.60	20	0.28
617006	205	226	1840	0.4	0.51	26	< 10	250	< 0.5	< 2	0.49	< 0.5	37	249	144	1.39	< 10	10	0.23	< 10	0.14
617007	205	226	680	< 0.2	1.36	4	< 10	270	< 0.5	< 2	1.87	< 0.5	13	149	139	1.92	< 10	< 10	0.46	10	0.44
617008	205	226	< 5	< 0.2	2.72	42	< 10	40	< 0.5	< 2	0.97	< 0.5	28	154	33	4.57	< 10	< 10	0.08	< 10	1.75
617009	205	226	< 5	< 0.2	3.91	28	< 10	260	< 0.5	< 2	0.44	< 0.5	21	195	32	4.95	10	< 10	1.20	< 10	2.25
617010	205	226	< 5	< 0.2	2.66	< 2	< 10	60	< 0.5	< 2	1.75	< 0.5	41	101	44	7.69	< 10	< 10	0.24	10	3.16
617011	205	226	< 5	< 0.2	3.29	8	< 10	100	< 0.5	< 2	0.95	< 0.5	24	311	57	4.47	10	< 10	0.47	10	2.35

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

5175 Timberlea Blvd., Mississauga
Ontario, Canada L4W 2S3
PHONE: 905-824-2806 FAX: 905-824-8163

To: ANDERSON, TED **

1086 PERTH RD., RR6
SMITH FALLS, ON
J7A 4S7

Project : CUMUMBEN
Comments: ATTN: TED ANDERSON CC: T.J. QUESNEL (mail)

Page Number : 1-B
Total Pages : 1
Certificate Date: 24-DEC-99
Invoice No. : I9935954
P.O. Number : TJQ
Account : RRW

CERTIFICATE OF ANALYSIS A9935954

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
617001	205	226	525	3	0.06	58	1740	< 2	< 0.01	< 2	4	40	0.11	< 10	< 10	45	< 10	44
617002	205	226	595	< 1	0.05	53	830	< 2	< 0.01	< 2	5	54	0.28	< 10	< 10	70	< 10	70
617003	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
617004	205	226	50	6	< 0.01	23	80	24	1.48	< 2	< 1	7	0.01	< 10	< 10	10	< 10	104
617005	205	226	190	1	0.01	25	250	14	1.66	2	3	22	0.36	< 10	< 10	39	< 10	46
617006	205	226	115	3	< 0.01	29	170	6	0.58	< 2	1	10	0.03	< 10	< 10	12	< 10	34
617007	205	226	265	1	0.04	23	1140	< 2	0.11	2	4	76	0.23	< 10	< 10	39	< 10	24
617008	205	226	885	< 1	0.03	48	350	< 2	0.15	< 2	6	29	0.30	< 10	< 10	90	< 10	72
617009	205	226	445	< 1	0.07	73	880	2	0.07	4	10	42	0.14	< 10	< 10	73	< 10	98
617010	205	226	940	< 1	0.43	79	2010	2	0.05	4	3	138	0.17	< 10	< 10	97	< 10	94
617011	205	226	645	< 1	0.04	81	570	4	0.09	< 2	7	105	0.24	< 10	< 10	75	< 10	82

CERTIFICATION:

Ontario Ministry of Northern Development and Mines

Declaration of Assessment Work Performed on Mining Land

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

Transaction Number (office use): W0070.00221
Assessment Files Research Imaging

41I16SW2012 2.20704 MACBETH 900

hority of subsections 65(2) and 66(3) of the Mining Act. Under section 8 of the ised to review the assessment work and correspond with the mining land holder. Mining Recorder, Ministry of Northern Development and Mines, 6th Floor,

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

12.20704

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

Name: Steve Anderson	Client Number: 102430
Address: 170 Second Ave	Telephone Number: 705-360-7722
Timmins, Ont P4N-1G1	Fax Number: 705-360-7733
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: ✓	Office Use
	Commodity
	Total $ Value of Work Claimed: 3900
Dates Work Performed From: 15 (Day) 07 (Month) 99 (Year) To: 10 (Day) 10 (Month) 99 (Year)	NTS Reference
Global Positioning System Data (if available) Township/Area: Macbeth Twp M or G-Plan Number	Mining Division: Sudbury
	Resident Geologist District: Sudbury

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: Ted Andersons	Telephone Number: 613-283-7837
Address: 1066, Perth Road, Smiths Falls, Ont K7A-1S7	Fax Number
Name: T.J. Oveshel	Telephone Number: 705-753-2387
Address: Box 228, Sturgeon Falls, Ont P0H-2G0	Fax Number
Name	Telephone Number
Address	Fax Number

RECEIVED
NOV 16 2000
GEOSCIENCE ASSESSMENT OFFICE

4. Certification by Recorded Holder or Agent

I, Steve Anderson (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		Date: Nov 7/00
Agent's Address	Telephone Number	Fax Number

0241 (02/96)

#2803

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.

W0070.00221 2.20704

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	1223118	1	3900	2000		1900
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
		Column Totals	3900	2000		1900

I, Steve Audasso (Print Full Name), 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 Nov 7/00

6. Instructions 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):

RECEIVED
NOV 10 2000
GEOSCIENCE ASSESSMENT OFFICE

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 (02/96)

Ontario Ministry of Northern Development and Mines

Statement of Costs for Assessment Credit

Transaction Number (office use)
W0070.00221

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, this 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 a Provincial Mining Recorder, Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Work Type	Units of work Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.	Cost Per Unit of work	Total Cost
Magnetometer + VLF	1.5 Km		$800
Line Cutting	1.5 Km		$500
Geological Mapping			$800
Assay			$200
Geophysics Report			$800
Geology Report			$800
Associated Costs (e.g. supplies, mobilization and demobilization).			
Transportation Costs			
Food and Lodging Costs			
		Total Value of Assessment Work	3900

lculations of Filing Discounts:

Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work. f 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 x 0.50 = Total $ value of worked claimed.

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

fication verifying costs:

I, Steve Anderson (please print full name), do hereby certify, that the amounts shown are as accurate as may reasonably termined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying ration of Work form as Recorded Holder (recorded holder, agent, or state company position with signing authority) I am authorized to make this certification.

Signature: [signature] Date: Nov 7/00

RECEIVED NOV 11 GEOSCIENCE ASSESSMENT OFFICE

RECEIVED NOV 10 GEOSCIENCE ASSESSMENT OFFICE

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Ontario

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

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

March 14, 2001

STEVEN DEAN ANDERSON
780 MCCLINTON DRIVE
TIMMINS, ONTARIO
P4N-4P8

Dear Sir or Madam:

Submission Number: 2.20704

		Status
Subject: Transaction Number(s):	W0070.00221	Approval After Notice

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 JIM MCAULEY by e-mail at james.mcauley@ndm.gov.on.ca or by telephone at (705) 670-5858.

Yours sincerely,

Lucille Jerome

ORIGINAL SIGNED BY
Lucille Jerome
Acting Supervisor, Geoscience Assessment Office
Mining Lands Section

Correspondence ID: 15767
Copy for: Assessment Library

Work Report Assessment Results

Submission Number: 2.20704

Date Correspondence Sent: March 14, 2001 **Assessor:** JIM MCAULEY

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W0070.00221	1223118	MACBETH	Approval After Notice	March 09, 2001

Section:
14 Geophysical MAG
14 Geophysical VLF
12 Geological GEOL

The 45 days outlined in the Notice dated January 23, 2001 have passed. The explanation of the breakdown of the work submission expenditures has been reviewed.

Assessment work credit has been approved as outlined on the attached Distribution of Assessment Work Credit sheet.

The assessment credit is being reduced by $881. The TOTAL VALUE of assessment credit that will be allowed, based on the information provided in this submission, is $3,019.

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
Sudbury, ON

Assessment Files Library
Sudbury, ON

Recorded Holder(s) and/or Agent(s):
STEVEN DEAN ANDERSON
TIMMINS, ONTARIO

Correspondence ID: 15767

Distribution of Assessment Work Credit

The following credit distribution reflects the value of assessment work performed on the mining land(s).

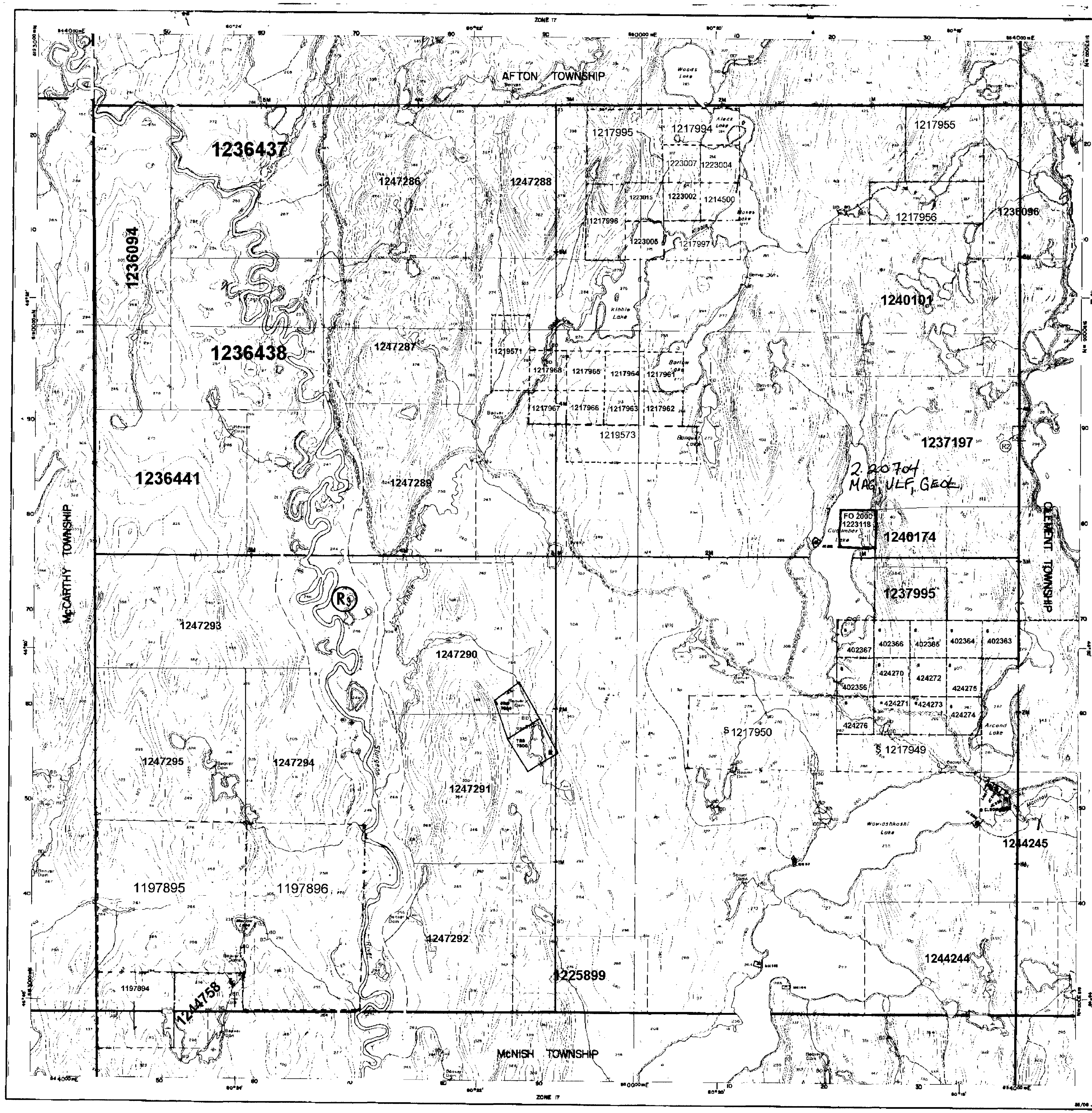
Date: March 14, 2001

Submission Number: 2.20704

Transaction Number: W0070.00221

Claim Number	Value Of Work Performed
1223118	3,019.00
Total: $	3,019.00

Correspondence ID: 15767



Ministry of Natural Resources | **Ministry of Northern Development and Mines**

Ontario

INDEX TO LAND DISPOSITION

PLAN

G-2908

TOWNSHIP

MACBETH

M.N.R. ADMINISTRATIVE DISTRICT

NORTH BAY

MINING DIVISION

SUDBURY

LAND TITLES/REGISTRY DIVISION

SUDBURY

Scale 1:20 000

Contour Interval 10 Metres

SYMBOLS

Boundary

- Township, Meridian, Baseline
- Road allowance; surveyed
  - shoreline
- Lot/Concession; surveyed
  - unsurveyed
- Parcel; surveyed
  - unsurveyed
- Right-of-way; road
  - railway
  - utility
- Reservation
- Cliff, Pit, Pile
- Contour
  - Interpolated
  - Approximate
  - Depression
- Control point (horizontal)
- Flooded land
- Mine head frame
- Pipeline (above ground)
- Railway; single track
  - double track
  - abandoned
- Road; highway, county, township
  - access
  - trail, bush
- Shoreline (original)
- Transmission line
- Wooded area

AREAS WITHDRAWN FROM DISPOSITION

MRO - Mining Rights Only

SRO - Surface Rights Only

M + S - Mining and Surface Rights

(R) SEC. 35 W - LL - P173/99 ONT MAY 12/99 M+S

DISPOSITION OF CROWN LANDS

Patent

- Surface & Mining Rights
- Surface Rights Only
- Mining Rights Only

Lease

- Surface & Mining Rights
- Surface Rights Only
- Mining Rights Only

Licence of Occupation

Order-in-Council — OC

Cancelled

Reservation

Sand & Gravel

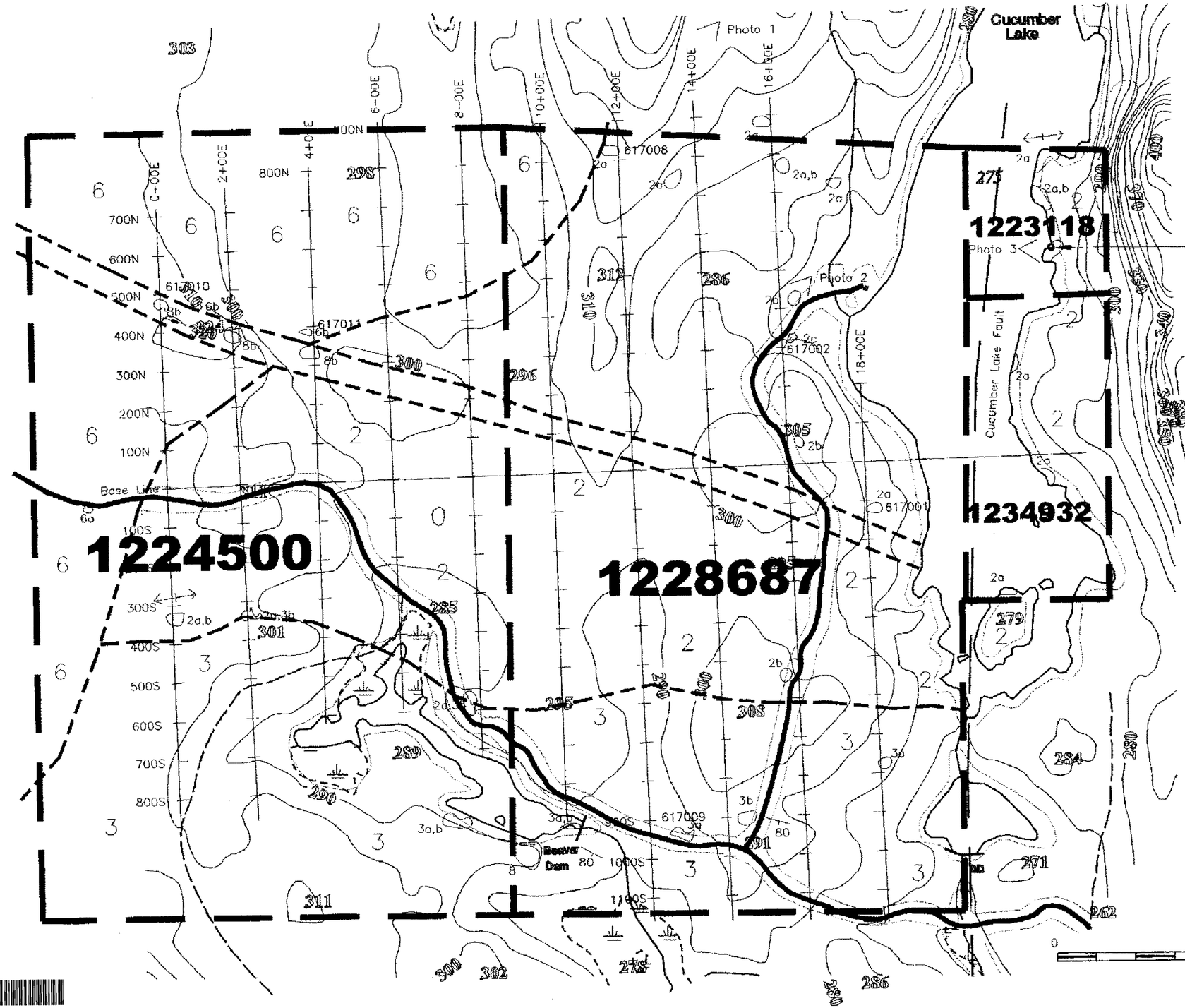
LAND USE PERMIT

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.

Map base and land disposition drafting by Surveys and Mapping Branch, Ministry of Natural Resources

The disposition of land, location of lot fabric and parcel boundaries on this index was compiled for administrative purposes only

41I16SW2012 2.20704 MACBETH 200



Legend

8a – Late Precambrian Mafic Intrusive
Nipissing Diabase

6a Huronian Supergroup, Cobalt Group
Gowganda Formation
6a Massive Mudstone
6b Laminated

3 – Early Precambrian Metasediments
3a Greywacke
3b Argillaceous Metasediments

2 – Early Precambrian Intermediate Volcanics
2a Intermediate feldspar porphry
2b Intermediate pyroclastic rocks

Project Name
Cucumber Lake Prospect
Macbeth Twp.
District of Sudbury

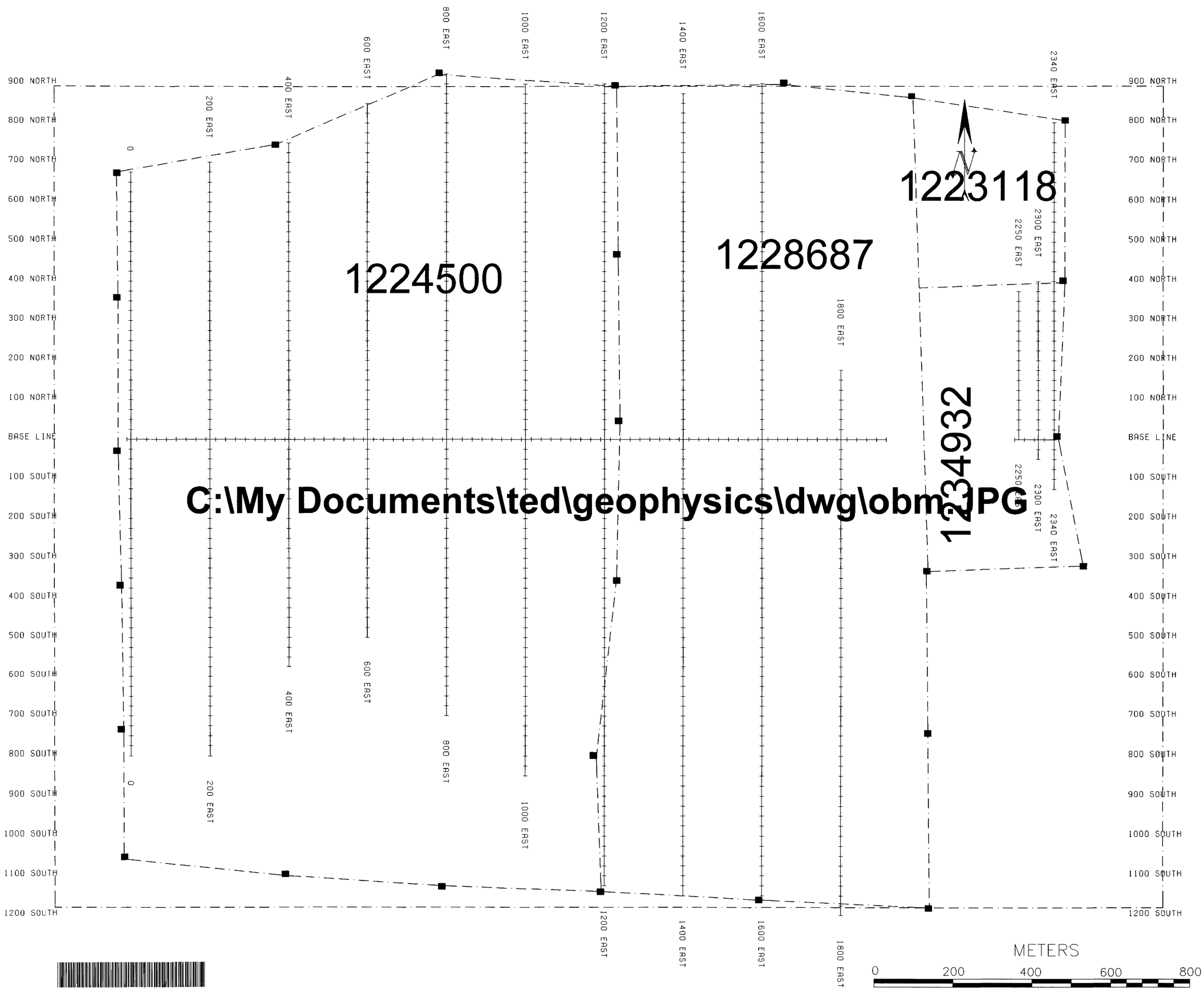
Ted Anderson
1066 Perth Road
Smith Falls, ON J7A 1S7

Scale 1:5,000
Drawing Status
Final

Drawing Title
Geology & Sampling Map

Drawing No.
1 of 1

Maps and Notes Compiled by:
T.J. Quesnel B.Sc. FGAC
1231 Hwy 17 West
P.O. Box 2288
Sturgeon Falls, ON P0H 2G0
(705) 753-2367



General Notes

GRID MAP WITH CLAIMS AND TOPOGRAPHY
CLAIMS-1223118, 1234932, 1228687, AND 1224500.
LINECUTTING 20.3 KM

AZIMUTH TRUE NORTH

No.	Revision/Issue	Date

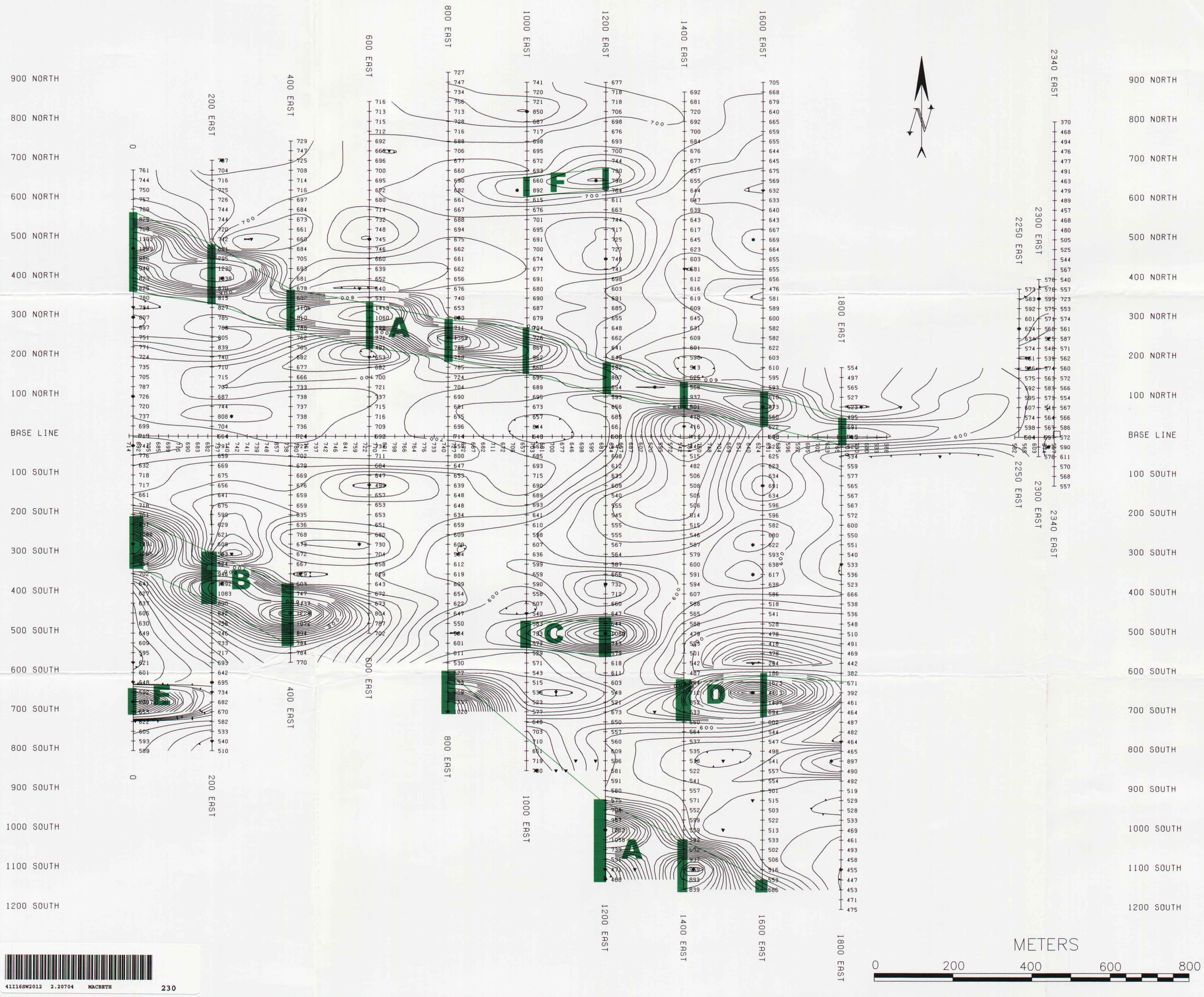
TED ANDERSON

OPAP # 99-174

GRID, TOPOGRAPHY and CLAIM MAP

Claim Blk: Cucumber Lake
Location: MacBeth Twp.
Scale: 1:50
Date: JAN. 2000
Dwg Ref. No.
T. Anderson

41I16SW2012 2.20704 MACBETH 220



General Notes

Magnetometer Survey
Contour Interval 20 gammas
Line Interval 200m
Station Interval 25m
20.3 km of line

AZIMUTH TRUE NORTH

No.	Revision/Issue	Date

DATUMN SUBTRACT 57000 GAMMAS

OPERATOR
T.ANDERSON

INSTRUMENT
GEOMETRICS
MODEL G-816

BASELINE
CORRECTED

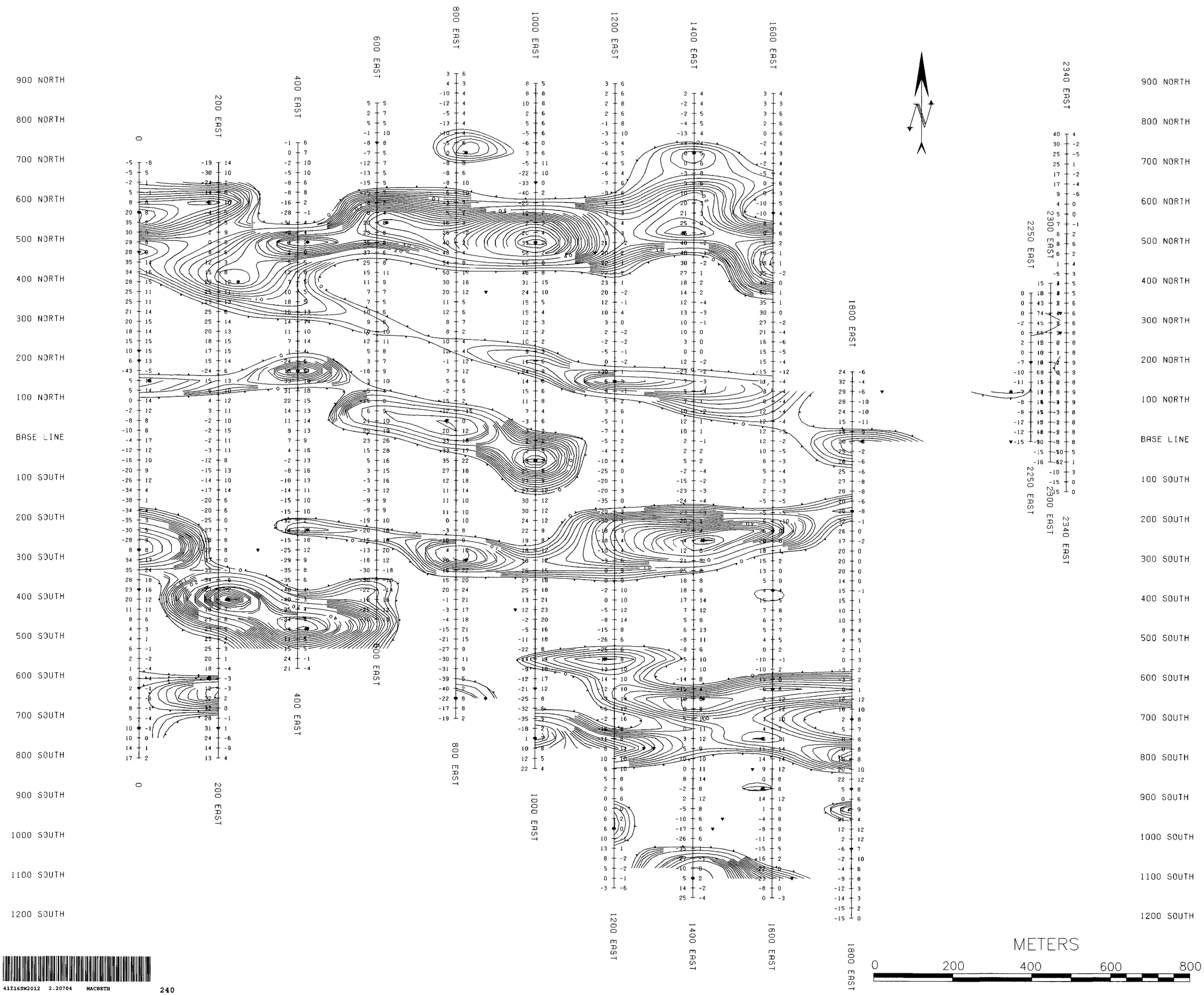
ANNOMALLY

MAGMETOMETER CONTOUR MAP

Mine Site: Cucumber Lake
Location: MacBeth Twp.
Scale: 1 : 50
Date: JAN.2000
Dwg. No: 230
T. Anderson

41I16SW2012 2.20704 MACBETH 230

2.20704



General Notes

VLF Survey
Frazer Filtered VLF
Line Interval 200m
Station Interval 25m
20.3 km of line
Contour Interval 2%

Azimuth True North

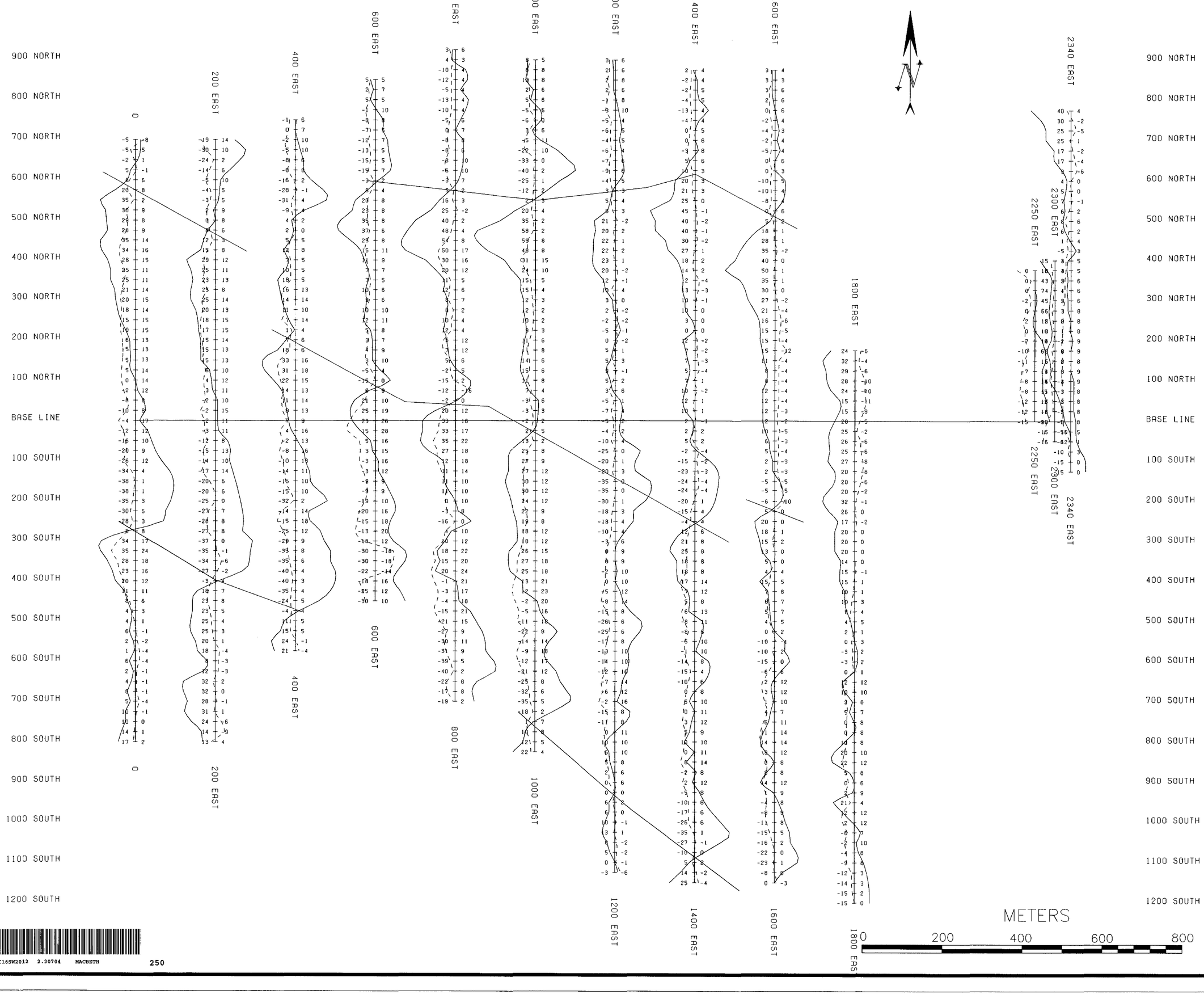
No.	Revision/Issue	Date

GEONICS EM-16
READINGS IN %
OPERATOR
L.ANDERSON
STATION READ
NAA

Frazer Filter
EM-VLF

Mine Site: Cucumber Lake
Location: MacBeth Twp.
Scale: 1:50
Date: JAN.2000
Dwg No: 001
T. Anderson

41I16SW2012 2.20704 MACBETH



General Notes

VLF Survey
Profile Data in %
Line Interval 200m
Station Interval 25m
20.3 km of line

AZIMUTH TRUE NORTH

No.	Revision/Issue	Date

GEONICS EM-16
READINGS IN %

OPERATOR
L.ANDERSON

STATION READ
NAA

EM-VLF PROFILES

Mine Site: Cucumber Lake
Location: MacBeth Twp.
Scale: 1 : 5C
Date: JAN.2000
Dwg No: 001
T. Anderson

41I16SW2012 2.20704 MACBETH 250