



41P14NW2001 2.19180 SOTEMAN

010

2.19180

**1998 OPAP FINAL SUBMISSION
FOR THE
MONPRE PROJECT
SOTEMAN TOWNSHIP
PORCUPINE MINING DIVISION
NTS 41 P/14**

November 17, 1998

Todd Keast



41P14NW2001 2.19180 SOTHMAN

010C

Table of Contents

	Page
Introduction.....	1
Project Location.....	1
Access.....	1
Land Tenure and Ownership.....	4
Prospecting Target.....	4
Regional Geology.....	4
Local Geology.....	4
Summary of Previous Exploration.....	5
Project Justification.....	6
Work Description.....	6
Results of 1998 Exploration Program.....	8
Recommendations	8

Figures

Figure 1	Project Location.....	2
Figure 2	Claim Location.....	3

Tables

Table 1	Project Location.....	1
---------	-----------------------	---

Appendices

Appendix I	XRF, ICP and Soil Survey Results
Appendix II	Geophysical Survey Procedures

Maps

Map 1	Geology of Monpre Project
Map 2	Magnetometer Survey
Map 3	HLEM Survey 1777 Hz
Map 4	HLEM Survey 444 Hz
Map 5	Soil Survey

INTRODUCTION

During October of 1998, an integrated exploration program was completed on the Monpre OPAP project. The exploration program consisted of linecutting, magnetometer surveys, horizontal loop electromagnetic surveys (HLEM), mapping, prospecting, and limited soil surveys. The exploration program successfully identified several prospective targets including several conductive horizons and a strong magnetic horizon. Diamond drilling by previous operators intersected anomalous gold values (1.7 gm/t Au over 1.5m) along one of the conductive horizons. Previous drilling along the magnetic horizon identified ultramafic volcanic rocks. One weak conductor was found associated with the magnetic horizon. Further work is recommended for the Monpre Project. A diamond drilling program is recommended to evaluate the geophysical targets. A proposed budget of \$15,000 is recommended to evaluate the targets.

PROJECT LOCATION

The Monpre Project is located 66 km south of Timmins Ontario, in Sothman Township, of the Porcupine Mining Division (Figure 1). The specific project location is enclosed on the following Table 1.

Table 1 Project Location

Area:	Timmins
Township:	Sothman
Mining Division:	Porcupine
Claim Map:	M-1121
NTS:	41 P/14
Latitude:	45° 52' 00"
Longitude:	81° 17' 30"

ACCESS

The Monpre Project is located 66 km south of Timmins Ontario. Access is obtained by travelling due south from Timmins along Pine St. South which then turns into the Papakomeka Rd. Travel 58 km south until you reach the Sawmill Restaurant. Travel in a southwest direction for 1 km until you reach the Grassy River Road. Travel south along the Grassy River Road for 16 km. At this point you are on the central portion of the Monpre Project (Figure 2).

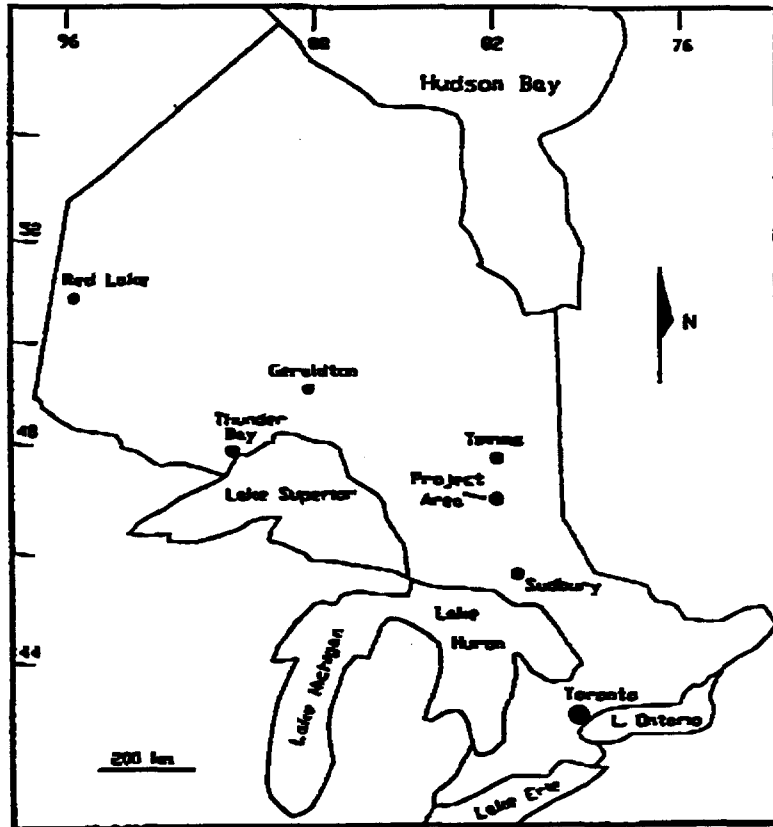
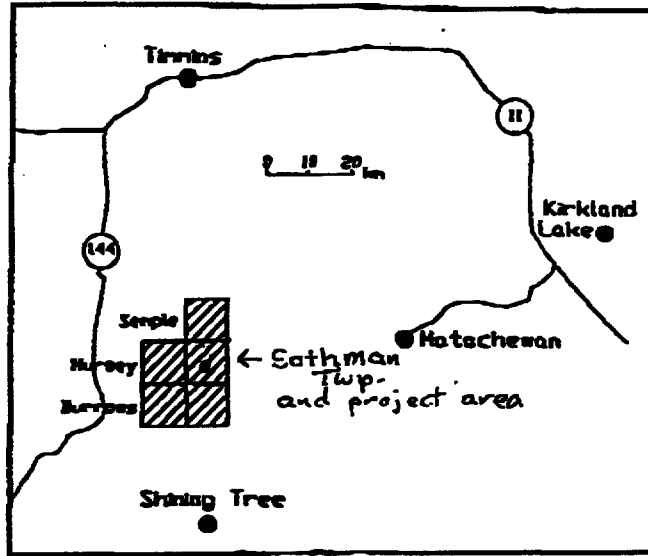


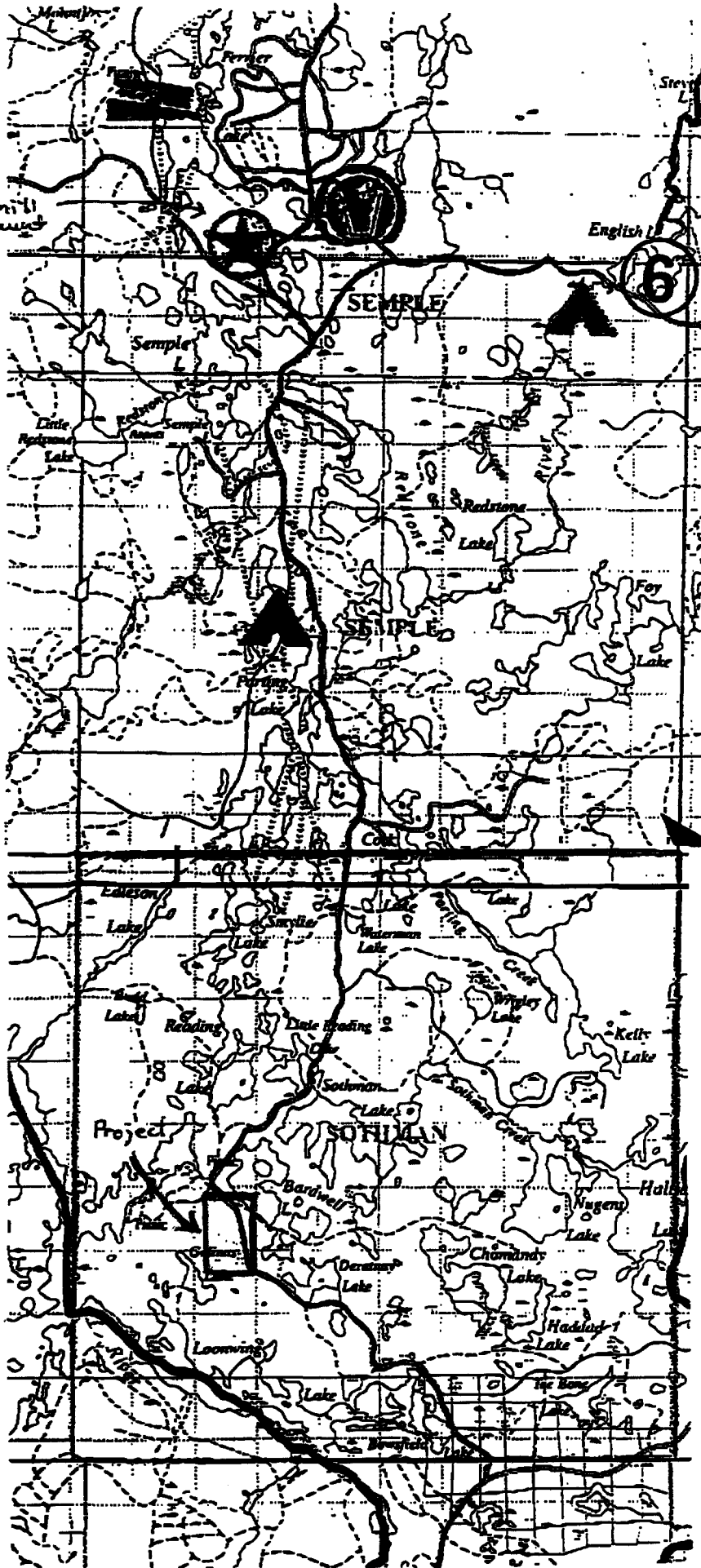
Figure 1 - Location Map of the Project Area

Sawmill
Restaurants

To TIMMINS
(Papakomeka Road)

English

6



← Gressy River Road

LAND TENURE AND OWNERSHIP

The Monpre Project consists of 1 claim (1226833) totaling 6 units and covering 96 hectares. The claim is registered in the names of David Healey (50 %) and Todd Keast (50 %).

PROSPECTING TARGET

The prospecting target sought for is a Lode Gold deposit typical of the Timmins and Kirkland Lake Mining Camps, and volcanogenic massive sulphide (VMS) Cu-Zn mineralization. Exploration potential also exists for Ni-Cu sulphide mineralization based on the presence of the Sothman Nickel deposit 5 km to the south.

REGIONAL GEOLOGY

The Monpre Project is situated on the southwest side of the large Halliday Dome, which extends over 3 townships in size. The area is predominantly underlain by a thick sequence of rhyolite and dacite volcanic rocks interbedded with ultramafic volcanic flows. The units are generally massive, with localized highly brecciated sections. The entire volcanic sequence strikes in an east-west to north-west direction around the margin of the dome. A small nickel deposit, Sothman Deposit (191,000 tonnes 1.29% Ni) is situated 5 km southeast of the Monpre Project within an ultramafic flow sequence.

LOCAL GEOLOGY

The geology of the Monpre Project consists of an northwest southeast trending sequence of mafic volcanic rocks, intermediate volcanic rocks, ultramafic volcanic rocks, inter-flow sediments. Based upon pillowed flows at one location the facing direction is to the northeast. Two major northeast oriented faults offset stratigraphy. A number of strong and moderate airborne anomalies are located immediately southwest of Bardwell Lake, on the Monpre Project. Outcrop exposure is limited at approximately 1%. The geology of the located outcrops include pillowed mafic volcanic flows, intermediate volcanics, and a narrow diabase dyke. Overburden cover consists of sand cover.

SUMMARY OF PREVIOUS EXPLORATION

Exploration work on the Monpre Project dates back to 1951, when Dominion Gulf Company completed work in the area. Dominion were following up on their recent nickel discovery (Sothman Deposit), situated 5 km southeast of the Monpre Project. Dominion completed airborne surveys, ground geophysics and prospecting programs. Dominion did not report any further work on the property.

In 1951 Conwest Exploration Co. carried out extensive ground mag and Em survey on the west portion of the Monpre Project. Conwest did not report any further work on the project.

In 1956 Queenstone Mining carried out mapping and drilled one hole on a property bordering the Monpre Project. Significant mineralization was not intersected and Queenstone dropped the project.

In 1965 Monpre Mining Company staked what is now the present project area. Monpre conducted linecutting, ground geophysics, and drilled two diamond drill holes. DDH S-2 intersected 1.7 gm/t Au over 1.5m within a graphitic slate horizon. It is assumed that Monpre was exploring for Nickel mineralization and were not interested in this new gold discovery. Monpre did not report any follow up work.

In 1971 Canex Aerial Explorations staked the Monpre Project area as part of a large land package. Canex completed linecutting, magnetometer, EM, IP and geological surveys. In addition Canex drilled two holes. DDH 119-9 intersected a graphitic horizon similar to that intersected by Monpre in DDH S-2, however Canex did not assay any of the graphitic horizon. Canex did not report any follow up work.

In 1989 Falconbridge completed a large regional program which skirted the boundaries of the property, but did not include any work on the Monpre Project. Falconbridge did not report any follow up work on the Monpre Project area.

PROJECT JUSTIFICATION

The justification for the Monpre Project is based upon several important features. Interesting gold mineralization was intersected in a drill hole on the Monpre Project, 1.7 gm/t Au over 1.5m. The gold mineralization was situated within a graphitic horizon which may be coincident with a strong airborne EM anomaly and ground EM anomaly. The conductor is 730 metres in length and has been tested with only one hole. The majority of exploration activity has been directed towards Nickel mineralization, due to the proximity of the Project to the Sothman Nickel Deposit. The gold potential of this graphitic horizon has been overlooked.

WORK DESCRIPTION

The proposed exploration program focussed on utilizing cost effective, proven field exploration techniques, geared towards identifying new exploration targets. The purpose of the program was to identify the graphitic horizon with the associated gold mineralization, identify new targets, delineate their extent, and document the mineralization, alteration, and controls on mineralization.

A total of 9.9 kilometres of linecutting was completed at 100 metre spaced lines with picket stations established every 25 metres. The purpose of the linecutting was to provide a reference system for the prospecting, geophysics and geological programs. In addition the grid is intended to provide a framework for further work on the property.

A total of 6 mandays of prospecting was completed. Prospecting focussed on locating areas of outcrop exposure, particularly in the areas along the strike extent of the graphitic horizon. Areas of gossanous material (i.e. sulphide mineralization) and strong alteration were also prospecting targets. Outcrop stripping was completed with grubhoes, with rock samples collected at the majority of outcrop locations. Due to the lack of outcrop exposure only seven bedrock exposures were located. Four samples were collected for major element and trace element analysis (Map 1).

A total of 6 mandays of mapping was completed. Mapping covered the entire grid area, and focussed on areas of outcrop exposure. The results of the mapping are included on Map 1. Rock types identified include pillowed mafic volcanic flows, massive gabbro, diabase dyke, and intermediate dacitic volcanics. The facing direction appears to be northeast.

A total of 9.9 km of magnetometer surveys were completed, with readings every 25 metres (Map 2). Overall the area has a low magnetic signature, with the exception of a strong magnetic horizon that extends across the grid from L 12+00 N / 17+50 E to L 18+00 N / 16+75 E. Diamond drilling to the northwest of the property along strike to this horizon intersected an ultramafic flow sequence.

A total of 8.5 km of HLEM survey was completed, using a 100 metre spaced cable with stations every 25 metres (Map 3, Map 4). The HLEM survey has identified three significant conductive anomalies. Anomaly 'A' is situated at L 11+00 N / 21+50 E and extends to L17+00N / 21+25 E. Anomaly 'B' is situated parallel and adjacent to anomaly 'A' and extends L14+00 N / 20+75 E / to L16+00 N / 20+50 E. Because of the location of 'B' proximal to 'A' this anomaly may have missed in previous programs. Anomaly 'C' is located on L12+00 N / 19+00 E to L14+00 N / 19+00 E. This a weaker conductor but is significant because it is along the flank of a magnetic horizon known by previous drilling to be an ultramafic flow.

A total of 71 'B' horizon soil samples were over the conductive horizon (Map 5). The soil program was intended to identify bedrock mineralization associated with the conductors. The soil profile was poor to moderate and consisted mainly of sandy oxidized material.

RESULTS OF 1998 EXPLORATION PROGRAM

The results of the exploration program indicate encouraging potential for the Monpre Project. Mapping and prospecting (Map 1) has identified intermediate and mafic volcanic rocks proximal to conductive horizons. Geophysical surveys have identified

three conductive horizons. One of these conductors is coincident with a graphitic horizon that in previous drilling returned anomalous gold mineralization. A second anomaly is situated proximal to a magnetic horizon which in previous drilling was identified as an ultramafic flow sequence.

RECOMMENDATIONS

Further work is recommended for the Monpre Project. Diamond drilling in conjunction with down-hole EM surveys should be utilized to evaluate the VMS and Ni-Cu sulphide potential of the conductor 'C' and diamond drilling should be completed on Anomalies 'A' and 'B' to evaluate the gold potential. The estimated cost of the proposed exploration program is \$20,000.

Appendix I

ICP XRF and Soil Results



Established 1928

Swastika Laboratories

A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

Geochemical Analysis Certificate

8W-4059-RG1

Company: T. KEAST

Date: OCT-20-98

Project:

All: T. Keast

We hereby certify the following Geochemical Analysis of 4 Rock samples submitted OCT-16-98 by .

Sample Number	Au PPB	Au Check PPB	VRA -	Multi Element
35768	3	-	Results	Results
35769	7	10	to	to
35770	2	-	follow	follow
35771	3	-		

One assay ton portion used.

Certified by

TODD KEAST

Attention: T. Keast

Project:

Sample: Rock

Swastika Laboratories

1 Cameron Ave., Swastika, Ontario

PHONE (705) 642-3244 FAX (705) 642-3300

Report No : 8W4059 RL

Date : Oct-28-98

ICP Whole Rock Assay

Fusion Analysis

Sample Number	SiO ₂ %	Al ₂ O ₃ %	Fe ₂ O ₃ %	CaO %	MgO %	Na ₂ O %	TiO ₂ %	K ₂ O %	MnO %	P ₂ O ₅ %	LOI %	Ba ppm	Sr ppm	Zr ppm	Sc ppm	Y ppm	Be ppm	Co ppm	Cr ppm	Cu ppm	Ni ppm	V ppm	Zn ppm	Rb %	Nb ppm	Total %
35768	67.30	13.24	5.47	3.65	2.81	3.69	0.61	0.30	0.13	4.20	2.40	120	150	130	10	20	5	15	750	35	50	90	70	<0.01	10	99.94
35769	53.93	17.18	7.11	9.70	3.46	2.61	0.77	0.56	0.11	0.23	3.85	80	120	100	10	20	5	20	875	45	65	120	145	<0.01	<10	99.68
35770	49.54	13.76	14.57	7.15	6.05	3.84	1.39	0.10	0.20	0.14	3.12	50	80	80	35	30	10	35	250	140	50	315	85	<0.01	10	99.99
35771	60.87	15.79	6.50	5.79	2.66	2.92	0.66	0.81	0.07	0.16	2.90	140	240	140	10	15	5	15	1095	45	35	115	85	<0.01	10	99.64

Sample is fused with Lithium Metaborate or Sodium Peroxide and dissolved with either HNO3 or HCl respectively.

Signed Dennis Chantre

11/12/98 17:08

+++ KIRKLAND

017

TODD KEAST

Attention: T. Keast

Project:

Sample: Rock

Swastika Laboratories

1 Cameron Ave., Swastika, Ontario

PHONE (705) 642-3244 FAX (705) 642-3300

Report No : 8W4059 RJ

Date : Oct-28-98

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	Se ppm	Sn ppm	Sr ppm	Tl %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
35769	<0.2	2.25	<5	20	<0.5	<5	1.07	<1	21	380	37	3.59	0.04	1.62	495	<2	0.07	49	550	<2	5	4	<10	10	0.20	52	<10	4	61	15
35769	<0.2	3.36	<5	10	<0.5	<5	2.59	<1	24	385	49	4.16	0.04	1.86	630	<2	0.05	62	760	2	5	4	<10	14	0.20	61	<10	5	138	19
35770	<0.2	2.76	<5	20	<0.5	<5	0.86	1	33	94	131	6.95	0.02	1.94	745	<2	0.04	47	500	<2	5	9	<10	8	0.36	150	<10	9	61	11
35771	<0.2	2.14	<5	20	<0.5	<5	0.88	<1	22	493	22	4.07	0.07	1.45	420	2	0.08	48	460	<2	10	2	<10	15	0.11	46	<10	3	76	11

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

Signed: *Dennis Chantre*

11/12/98 17:08

KIRKLAND

018

Client: KEAST
 Attention: T. Keast
 Project:
 Sample: Soil

MULTI-ELEMENT ICP ANALYSIS
 Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Ba 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
L11+00N 20+00E	<0.2	1.91	<5	20	<0.5	<5	0.08	<1	3	37	2	2.18	0.02	0.14	40	<2	0.02	13	480	4	<5	1	<10	5	0.06	26	<10	3	13	2
L11+00N 20+25E	<0.2	1.26	<5	20	<0.5	<5	0.07	<1	3	32	1	1.60	0.02	0.11	60	<2	0.02	9	510	2	<5	1	<10	5	0.05	27	<10	1	17	2
L11+00N 20+50E	<0.2	1.49	<5	40	<0.5	<5	0.10	<1	5	32	2	1.49	0.02	0.17	85	<2	0.02	19	360	2	<5	1	<10	7	0.05	22	<10	2	32	2
L11+00N 20+75E	<0.2	0.56	5	60	<0.5	<5	2.63	1	2	42	26	0.58	0.03	0.27	430	<2	0.03	17	1620	6	<5	1	<10	85	0.01	12	<10	12	12	3
L11+00N 21+00E	<0.2	2.07	<5	30	<0.5	<5	0.11	<1	4	38	2	1.99	0.02	0.15	45	<2	0.02	12	430	4	<5	1	<10	8	0.07	29	<10	2	21	2
L11+00N 21+25E	<0.2	1.32	5	30	<0.5	<5	0.12	<1	7	62	6	2.25	0.02	0.33	80	<2	0.02	41	600	2	<5	1	<10	7	0.08	32	<10	2	27	3
L11+00N 21+50E	<0.2	1.50	<5	30	<0.5	<5	0.06	<1	4	27	<1	1.25	0.02	0.11	65	<2	0.02	15	490	2	<5	1	<10	5	0.04	19	<10	2	16	2
L11+00N 21+75E	<0.2	1.03	<5	30	<0.5	<5	0.09	<1	4	34	1	1.63	0.02	0.14	95	<2	0.02	13	920	4	<5	1	<10	5	0.05	26	<10	2	25	2
L11+00N 22+00E	<0.2	1.67	<5	20	<0.5	<5	0.11	<1	5	44	1	2.10	0.02	0.17	95	<2	0.02	19	760	2	<5	1	<10	6	0.06	34	<10	2	20	2
L11+00N 22+25E	<0.2	1.60	<5	20	<0.5	<5	0.09	<1	5	33	<1	1.74	0.02	0.13	85	<2	0.02	18	610	2	<5	1	<10	7	0.06	28	<10	2	21	2
L11+00N 22+50E	<0.2	2.12	<5	40	<0.5	<5	0.12	<1	8	53	2	2.47	0.03	0.25	125	<2	0.02	29	1240	4	<5	2	<10	9	0.08	35	<10	2	41	3
L12+00N 20+00E	<0.2	1.29	<5	50	<0.5	<5	0.16	<1	6	47	19	1.70	0.03	0.24	85	<2	0.02	49	380	2	<5	3	<10	12	0.06	28	<10	8	16	2
L12+00N 20+25E	<0.2	0.46	<5	20	<0.5	<5	0.20	<1	3	26	4	0.31	0.02	0.19	90	<2	0.02	12	400	<2	<5	1	<10	10	0.03	15	<10	4	9	1
L12+00N 20+50E	<0.2	0.32	<5	60	<0.5	<5	2.71	1	2	16	19	0.45	0.03	0.24	925	<2	0.03	9	1070	12	<5	1	<10	64	<0.01	10	<10	4	34	2
L12+00N 20+75E	<0.2	1.02	<5	30	<0.5	<5	0.09	<1	4	39	1	1.95	0.02	0.15	40	<2	0.02	15	330	2	<5	1	<10	7	0.07	29	<10	2	16	3
L12+00N 21+00E	<0.2	2.21	<5	60	<0.5	<5	0.08	<1	4	34	1	2.17	0.02	0.11	180	<2	0.02	13	900	4	<5	1	<10	7	0.06	33	<10	2	27	3
L12+00N 21+25E	<0.2	1.21	<5	20	<0.5	<5	0.06	<1	3	25	1	1.43	0.02	0.10	175	<2	0.02	9	590	2	<5	1	<10	5	0.04	22	<10	1	20	2
L12+00N 21+40E	<0.2	1.42	<5	30	<0.5	<5	0.07	<1	4	27	<1	1.42	0.02	0.13	95	<2	0.02	14	740	2	<5	1	<10	6	0.04	21	<10	2	35	2
L12+00N 21+75E	<0.2	1.45	<5	40	<0.5	<5	0.08	<1	4	31	1	1.53	0.02	0.14	120	<2	0.02	18	750	2	<5	1	<10	6	0.05	26	<10	2	28	2
L12+00N 22+00E	<0.2	1.49	<5	30	<0.5	<5	0.07	<1	4	35	1	1.90	0.02	0.13	75	<2	0.02	16	870	4	<5	1	<10	5	0.06	30	<10	2	24	2
L12+00N 22+25E	<0.2	2.06	<5	50	<0.5	<5	0.11	<1	6	53	5	2.14	0.03	0.24	75	<2	0.02	32	470	4	<5	2	<10	10	0.07	30	<10	2	22	3
L12+00N 22+50E	<0.2	1.06	<5	20	<0.5	<5	0.12	<1	5	34	1	1.48	0.02	0.15	140	<2	0.02	17	830	2	<5	1	<10	7	0.05	27	<10	2	22	2
L13+00N 20+00E	<0.2	1.17	<5	40	<0.5	<5	0.11	<1	4	32	<1	1.63	0.02	0.13	405	<2	0.02	11	1630	4	<5	1	<10	8	0.05	25	<10	2	37	2
L13+00N 20+25E	<0.2	1.04	<5	30	<0.5	<5	0.09	<1	3	27	1	1.23	0.02	0.14	130	<2	0.02	14	570	<2	<5	1	<10	6	0.04	21	<10	2	37	2
L13+00N 20+50E	<0.2	1.75	<5	30	<0.5	<5	0.06	<1	5	33	2	1.46	0.02	0.14	60	<2	0.02	18	410	2	<5	2	<10	4	0.05	23	<10	2	13	2
L13+00N 20+75E	<0.2	1.60	<5	40	<0.5	<5	0.06	<1	5	33	1	1.41	0.02	0.15	45	<2	0.02	16	370	2	<5	1	<10	5	0.05	21	<10	2	13	3
L13+00N 21+00E	<0.2	1.87	<5	30	<0.5	<5	0.08	<1	5	34	1	1.92	0.02	0.13	125	<2	0.02	17	490	2	<5	1	<10	5	0.06	28	<10	2	20	2
L13+00N 21+25E	<0.2	0.55	<5	50	<0.5	<5	0.13	<1	4	24	2	1.10	0.02	0.16	315	<2	0.02	10	780	2	<5	1	<10	7	0.05	20	<10	2	17	2
L13+00N 21+50E	<0.2	1.26	<5	30	<0.5	<5	0.10	<1	4	39	2	1.74	0.02	0.16	194	<2	0.02	17	1060	2	<5	1	<10	5	0.05	31	<10	2	53	2
L13+00N 21+75E	<0.2	1.26	<5	30	<0.5	<5	0.07	<1	4	30	2	1.38	0.02	0.13	145	<2	0.02	15	650	<2	<5	1	<10	5	0.05	23	<10	2	29	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: Dennis Chantre

11/12/98 17:10

KIRKLAND

. KEAST

Attention: T. Keast

Project:

Sample: Soil

Swastika Laboratories

1 Cameron Ave., Swastika, Ontario

PHONE (705) 642-3244 FAX (705) 642-3300

Report No : 8WJ067 SJ

Date : Nov-04-98

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	Fa %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Tl %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
L13+00N 22+00E	<0.2	1.29	<5	30	<0.5	<5	0.06	<1	4	35	1	1.54	0.02	0.13	220	<2	0.02	14	960	2	<5	1	<10	5	0.04	25	<10	2	30	2
L13+00N 22+25E	<0.2	1.37	<5	30	<0.5	<5	0.07	<1	4	34	1	1.59	0.02	0.14	160	<2	0.02	17	1240	2	<5	1	<10	4	0.04	25	<10	2	35	2
L13+00N 22+50E	<0.2	1.02	<5	30	<0.5	<5	0.08	<1	4	27	1	1.14	0.02	0.11	140	<2	0.02	17	370	2	<5	1	<10	4	0.04	19	<10	2	22	2
L14+00N 20+00E	<0.2	2.09	<5	30	<0.5	<5	0.05	<1	4	34	1	1.82	0.02	0.12	40	<2	0.02	15	400	2	<5	1	<10	4	0.05	27	<10	2	13	3
L14+00N 20+25E	<0.2	0.75	<5	20	<0.5	<5	0.05	<1	2	14	1	0.92	0.02	0.06	125	<2	0.02	6	490	4	<5	1	<10	4	0.03	14	<10	1	12	1
L14+00N 20+50E	<0.2	1.14	<5	30	<0.5	<5	0.09	<1	3	24	1	1.12	0.02	0.12	150	<2	0.02	15	860	2	<5	1	<10	6	0.04	18	<10	2	30	1
L14+00N 20+75E	<0.2	1.22	<5	30	<0.5	<5	0.06	<1	4	24	1	1.29	0.02	0.09	245	<2	0.02	8	910	2	<5	1	<10	4	0.04	22	<10	1	31	2
L14+00N 21+00E	<0.2	0.93	<5	30	<0.5	<5	0.09	<1	4	77	1	1.12	0.02	0.14	235	<2	0.02	15	890	2	<5	1	<10	6	0.04	19	<10	2	33	2
L14+00N 21+25E	<0.2	1.57	<5	30	<0.5	<5	0.08	<1	5	39	1	1.41	0.02	0.12	180	<2	0.02	12	950	<2	<5	1	<10	6	0.06	27	<10	2	44	2
L14+00N 21+50E	<0.2	0.95	<5	30	<0.5	<5	0.14	<1	5	38	3	1.44	0.02	0.19	260	<2	0.02	16	1100	2	<5	1	<10	6	0.04	26	<10	2	37	2
L14+00N 21+75E	<0.2	0.63	<5	20	<0.5	<5	0.13	<1	4	36	3	1.24	0.02	0.21	115	<2	0.02	18	480	2	<5	1	<10	7	0.04	25	<10	3	14	2
L14+00N 22+25E	<0.2	0.91	<5	20	<0.5	<5	0.06	<1	4	29	1	1.37	0.02	0.11	230	<2	0.02	10	790	2	<5	1	<10	4	0.04	24	<10	1	20	2
L14+00N 22+50E	<0.2	1.23	<5	30	<0.5	<5	0.06	<1	4	29	1	1.29	0.02	0.11	115	<2	0.02	14	370	2	<5	1	<10	4	0.04	22	<10	1	24	2
L15N 20+00E	<0.2	0.68	<5	20	<0.5	<5	0.13	<1	3	27	3	1.33	0.01	0.17	65	<2	0.02	10	450	<2	<5	1	<10	5	0.04	21	<10	2	10	2
L15N 20+50E	<0.2	0.72	<5	30	<0.5	<5	0.09	<1	3	25	<1	1.27	0.02	0.10	70	<2	0.02	8	300	2	<5	1	<10	7	0.05	24	<10	1	19	1
L15N 20+75E	<0.2	0.92	<5	30	<0.5	<5	0.14	<1	4	36	1	1.62	0.02	0.16	90	<2	0.02	13	1110	2	<5	1	<10	8	0.03	28	<10	2	21	2
L15N 21+00E	<0.2	1.21	<5	20	<0.5	<5	0.09	<1	5	42	3	1.79	0.02	0.23	55	<2	0.02	25	350	2	<5	1	<10	5	0.06	26	<10	3	12	2
L15N 21+25N	<0.2	1.37	<5	30	<0.5	<5	0.10	<1	4	35	1	1.91	0.02	0.12	50	<2	0.02	10	360	2	<5	1	<10	7	0.07	30	<10	2	16	2
L15N 21+50E	<0.2	1.53	<5	40	<0.5	<5	0.12	<1	5	52	2	2.70	0.02	0.19	65	<2	0.02	15	930	4	<5	1	<10	9	0.09	51	<10	2	24	3
L15N 21+75E	<0.2	1.45	<5	30	<0.5	<5	0.10	<1	4	53	2	2.58	0.02	0.17	120	<2	0.02	15	1760	4	<5	1	<10	7	0.06	45	<10	2	29	3
L15N 22+50E	<0.2	1.54	<5	20	<0.5	<5	0.07	<1	4	33	1	1.62	0.02	0.19	155	<2	0.02	13	750	2	<5	1	<10	5	0.05	28	<10	2	28	2
L16N 20+25N	<0.2	1.41	<5	30	<0.5	<5	0.07	<1	4	34	2	2.06	0.02	0.10	295	<2	0.02	12	620	4	<5	1	<10	5	0.05	32	<10	1	18	2
L16N 20+50E	<0.2	1.41	<5	40	<0.5	<5	0.09	<1	3	56	4	3.41	0.02	0.13	75	<2	0.02	12	460	4	<5	1	<10	9	0.07	46	<10	1	12	3
L16N 20+75E	<0.2	0.80	<5	20	<0.5	<5	0.07	<1	2	22	<1	1.44	0.02	0.08	65	<2	0.02	8	310	2	<5	1	<10	5	0.05	23	<10	1	17	1
L16N 22E	<0.2	1.71	5	50	<0.5	<5	0.09	<1	9	69	6	2.47	0.02	0.27	65	<2	0.02	62	250	2	<5	2	<10	6	0.08	35	<10	2	24	2
L16N 21+25E	<0.2	0.56	<5	20	<0.5	<5	0.05	<1	3	19	1	1.13	0.02	0.09	105	<2	0.02	8	270	2	<5	1	<10	4	0.04	17	<10	1	14	1
L16N 21+50E	<0.2	0.40	<5	30	<0.5	<5	0.04	<1	3	25	1	1.31	0.02	0.11	90	<2	0.02	7	160	<2	<5	<1	<10	4	0.07	26	<10	<1	14	1
L16N 21+75E	<0.2	1.01	<5	40	<0.5	<5	0.07	<1	5	43	2	1.61	0.02	0.19	150	<2	0.02	27	310	<2	<5	1	<10	6	0.06	25	<10	1	26	2
L16N 22E	<0.2	1.34	<5	30	<0.5	<5	0.08	<1	5	45	1	2.36	0.03	0.12	175	<2	0.02	17	1030	2	<5	1	<10	7	0.07	34	<10	2	30	2
L16N 22+25E	<0.2	1.79	<5	30	<0.5	<5	0.10	<1	5	44	2	2.51	0.03	0.14	95	<2	0.02	18	910	2	<5	1	<10	6	0.08	40	<10	3	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.I.H2O.

Signed:

Denis Chantre

KIRKLAND

KEAST
 Attention: T. Keast
 Object:
 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
16N 22+50E	<0.2	1.07	<5	30	<0.5	<5	0.10	<1	4	39	1	1.80	0.02	0.15	140	<2	0.02	12	1240	2	<5	1	<10	8	0.06	34	<10	2	33	2
17N 20+25E	<0.2	1.39	<5	20	<0.5	<5	0.07	<1	3	30	1	2.15	0.02	0.12	75	<2	0.02	11	340	2	<5	1	<10	6	0.03	34	<10	3	11	2
17N 20+50E	<0.2	1.98	<5	20	<0.5	<5	0.07	<1	3	58	1	3.97	0.01	0.13	115	<2	0.02	11	350	2	<5	2	<10	8	0.09	48	<10	2	7	3
17N 20+75E	0.2	2.01	<5	30	<0.5	<5	0.05	<1	2	45	1	3.24	0.02	0.08	25	<2	0.02	8	440	6	<5	1	<10	4	0.07	42	<10	1	6	3
17N 21+80E	<0.2	1.67	<5	40	<0.5	<5	0.08	<1	4	36	3	1.82	0.02	0.13	75	<2	0.02	13	400	7	<5	1	<10	6	0.05	31	<10	2	20	2
17N 21+25E	<0.2	1.74	<5	40	<0.5	<5	0.08	<1	4	36	2	1.72	0.02	0.14	70	<2	0.02	19	470	2	<5	1	<10	5	0.05	26	<10	2	26	2
17N 21+50E	<0.2	1.11	<5	30	<0.5	<5	0.08	<1	2	18	<1	0.99	0.02	0.07	35	<2	0.02	7	220	2	<5	1	<10	6	0.04	14	<10	1	12	1
17N 21+75E	<0.2	1.12	<5	20	<0.5	<5	0.07	<1	4	32	2	1.50	0.02	0.14	75	<2	0.02	20	350	2	<5	1	<10	5	0.05	21	<10	1	13	2
17N 22+00E	<0.2	1.56	<5	30	<0.5	<5	0.12	<1	6	45	4	1.07	0.03	0.20	65	<2	0.02	38	470	2	<5	1	<10	9	0.07	30	<10	2	24	2
17N 22+25E	<0.2	1.19	<5	20	<0.5	<5	0.15	<1	5	41	2	1.58	0.02	0.19	70	<2	0.02	23	700	2	<5	1	<10	10	0.09	28	<10	3	14	2
17N 22+50W	<0.2	1.41	<5	30	<0.5	<5	0.12	<1	5	40	2	1.75	0.02	0.17	85	<2	0.02	22	1000	2	<5	1	<10	7	0.05	29	<10	2	31	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: Dennis Charbonne

11/12/98 17:10

KIRKLAND



Established 1928

Swastika Laboratories

A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

Page 1 of 3

Geochemical Analysis Certificate

8W-4067-SG1

Company: **T. KEAST**

Date: NOV-03-98

Project:

Att: T. Keast

We hereby certify the following Geochemical Analysis of 71 Soil samples submitted OCT-16-98 by .

Sample Number	Au PPB	Au Check PPB	Multi Element
L11+00N 20+00E	2	-	Results
L11+00N 20+25E	Nil	-	to
L11+00N 20+50E	2	-	follow
L11+00N 20+75E	7	-	
L11+00N 21+00E	3	3	
L11+00N 21+25E	3	-	
L11+00N 21+55E	7	-	
L11+00N 21+75E	Nil	-	
L11+00N 22+00E	2	-	
L11+00N 22+25E	2	-	
L11+00N 22+50E	7	-	
L12+00N 20+00E	3	-	
L12+00N 20+25E	2	-	
L12+00N 20+50E	10	-	
L12+00N 20+75E	2	Nil	
L12+00N 21+00E	3	-	
L12+00N 21+25E	3	-	
L12+00N 21+40E	3	-	
L12+00N 21+75E	3	-	
L12+00N 22+00E	3	-	
L12+00N 22+25E	5	-	
L12+00N 22+50E	3	3	
L13+00N 20+00E	Nil	-	
L13+00N 20+25E	3	-	
L13+00N 20+50E	2	-	
L13+00N 20+75E	2	-	
L13+00N 21+00E	5	3	
L13+00N 21+25E	2	-	
L13+00N 21+50E	Nil	-	
L13+00N 21+75E	Nil	-	

Certified by Denis Chantre



Swastika Laboratories

A Division of TSL/Assayers Inc.

Established 1928

Assaying - Consulting - Representation

Page 2 of 3

Geochemical Analysis Certificate

8W-4067-SG1

Company: T. KEAST

Date: NOV-03-98

Project:

Attn: T. Keast

We hereby certify the following Geochemical Analysis of 71 Soil samples submitted OCT-16-98 by .

Sample Number	Au PPB	Au Check PPB	Multi Element
L13+00N 22+00E	3	-	
L13+00N 22+25E	3	3	
L13+00N 22+50E	2	-	
L14+00N 20+00E	3	-	
L14+00N 20+25E	2	-	
L14+00N 20+50E	Nil	-	
L14+00N 20+75E	Nil	-	
L14+00N 21+00E	Nil	-	
L14+00N 21+25E	2	-	
L14+00N 21+50E	3	-	
L14+00N 21+75E	2	-	
L14+00N 22+25E	5	-	
L14+00N 22+50E	3	7	
L15N 20+00E	10	5	
L15N 20+50E	Nil	-	
L15N 20+75E	2	-	
L15N 21+00E	Nil	-	
L15N 21+25N	3	-	
L15N 21+50E	2	-	
L15N 21+75E	Nil	-	
L15N 22+50E	Nil	-	
L16N 20+25N	Nil	-	
L16N 20+50E	3	5	
L16N 20+75E	Nil	-	
L16N 21E	Nil	-	
L16N 21+25E	2	-	
L16N 21+50E	3	-	
L16N 21+75E	7	-	
L16N 22E	5	-	
L16N 22+25E	3	-	

Certified by Denis Chantre



Established 1928

Swastika Laboratories

A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

Page 3 of 3

Geochemical Analysis Certificate

8W-4067-SG1

Company: **T. KEAST**

Date: NOV-03-98

Project:

Ann: **T. Keast**

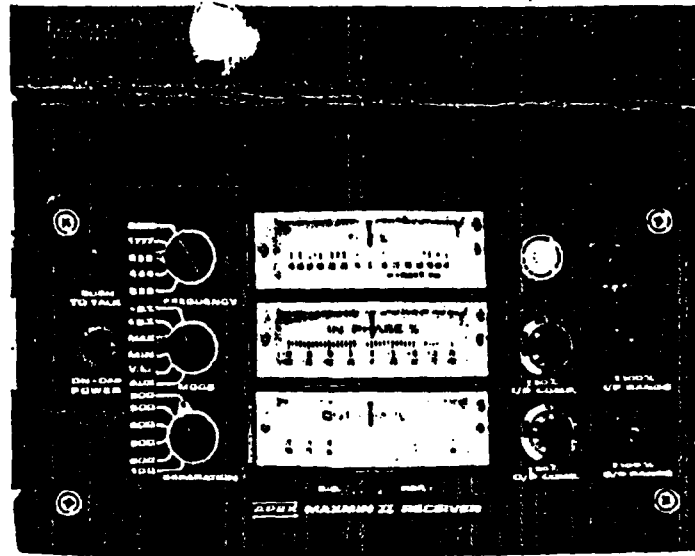
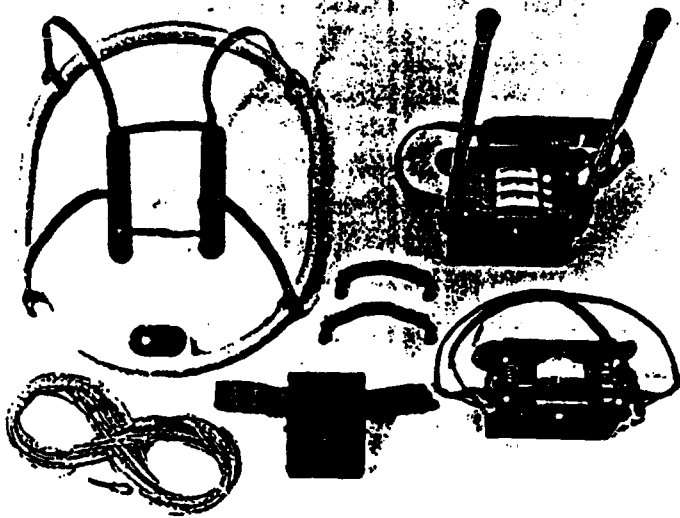
We hereby certify the following Geochemical Analysis of 71 Soil samples submitted OCT-16-98 by .

Sample Number	Au PPB	Au Check PPB	Multi Element
L16N 22+50E	3	-	
L17N 20+25E	5	-	
L17N 20+50E	5	-	
L17N 20+75E	3	3	
L17N 21+00E	2	-	
L17N 21+25E	2	-	
L17N 21+50E	Nil	-	
L17N 21+75E	3	-	
L17N 22+00E	2	-	
L17N 22+25E	3	-	
L17N 22+50W	2	-	

Certified by *Dennis Charles*

Appendix II

Geophysical Survey Procedure



SPECIFICATIONS

Frequencies: 222, 444, 888, 1777 and 3555 Hz.

Modes of Operation:

- MAX:** Transmitter coil plane and receiver coil plane horizontal (Max-coupled; Horizontal-loop mode). Used with refer. cable.
- MIN:** Transmitter coil plane horizontal and receiver coil plane vertical (Min-coupled mode). Used with reference cable.
- V.L.:** Transmitter coil plane vertical and receiver coil plane horizontal (Vertical-loop mode). Used without reference cable, in parallel lines.

Coil Separations: 25, 50, 100, 150, 200 & 250m (MMII) or 100, 200, 300, 400, 600 and 800 ft. (MMIF). Coil separations in V.L. mode not restricted to fixed values.

Parameters Read:

- In-Phase and Quadrature components of the secondary field in MAX and MIN modes.
- Tilt-angle of the total field in V.L. mode.

Readouts:

- Automatic, direct readout on 90mm (3.5") edgewise meters in MAX and MIN modes. No nulling or compensation necessary.
- Tilt angle and null in 90mm edgewise meters in V.L. mode.

Scale Ranges:

- In-Phase:** ±20%..±100% by push-button switch.
- Quadrature:** ±20%..±100% by push-button switch.
- Tilt:** ±75% slope.
- Null (V.L.):** Sensitivity adjustable by separation switch.

Readability: In-Phase and Quadrature: 0.25 % to 0.5 % ; Tilt: 1% .

±0.25% to ±1% normally, depend on conditions, frequencies and separation used.

- 222Hz : 220 Atm²
- 444Hz : 200 Atm²
- 888Hz : 120 Atm²
- 1777Hz : 60 Atm²
- 3555Hz : 30 Atm²

9V trans. radio type batteries
Life: approx. 35 hrs. continuous (alkaline, 0.5 Ah), less in c weather.

12V 6Ah Gel-type recharger battery. (Charger supplied)

Light weight 2-conductor reference cable for minimum friction. Unshielded. All reference cables optional at extra cost. Please specify.

Built-in intercom system for voice communication between receiver and transmitter operator in MAX and MIN modes, via reference cable.

Built-in signal and reference warning lights to indicate erroneous readings.

-40°C to +60°C (-40°F to +140°F)

6kg (13 lbs.)

13kg (29 lbs.)

Typically 60kg (135 lbs.), depending on quantities of reference cable and batteries included. Shipped in two field/shipping cases.

Specifications subject to change without notification.

8.0 SPECIFICATIONS

8.1 Magnetometry Specifications

Total Field Operating Range	20,000 to 100,000 nT (1 nT = 1 gamma).
<hr/>	
Gradient Tolerance For Total Field:	± 5000 nT/m.
<hr/>	
Total Field Absolute Accuracy	± 1 nT at 50,000 nT ± 2 nT over total field operating and temperature range.
<hr/>	
Resolution	0.1 nT.
<hr/>	
Tuning	Fully solid-state. Manual or automatic mode is keyboard selectable.
<hr/>	
Reading Time	2 seconds. For portable readings this is the time taken from the push of a button to the display of the measured value.
<hr/>	
Continuous Cycle Times	Keyboard selectable in 1 second increments upwards from 2 seconds to 999 seconds.
<hr/>	
Operating Temperature Range	-40°C to $+50^{\circ}\text{C}$ provided optional Display Heater is used below -20°C .

8.2 Sensor Options

In the following options the actual sensors are identical;
however, mountings and cables vary.

Portable Total Field Sensor Option	Includes sensor, staff, two 2 m cables and backpack sensor harness. Weight of sensor, cable and staff is 1.9 kg.
---	---

Staff is 30 x 600 mm collapsed
and 1600 mm extended.

Base Station Sensor Option

Includes sensor, tripod, 50 m
cable external power cable and
analog chart recorder cable.
Weight of sensor, cable and
tripod is 6.5 kg. Tripod is
540 mm collapsed, 1650 mm
extended.

Gradiometer Sensor Option

For use with the Portable
Total Field Sensor Option,
includes second sensor, cables
and both a .5m and a 1m staff
extender. Combined weight of
Total Field and Gradiometer
Sensor options with staff,
extender and cables is 3.5 kg.



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) <u>W9960.00071</u>
Assessment Files Research Imaging



41P14NW2001 2.19180 SOTHMAN

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 form Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury,

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

2.19180

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

Name <u>Todd Keast</u>	Client Number <u>151113</u>
Address <u>Box 147, South Porcupine</u>	Telephone Number <u>1-705-235-2540</u>
<u>ONT, PON1H0</u>	Fax Number <u>1-705-235-2991</u>
Name <u>David R. Healey</u>	Client Number <u>143039</u>
Address <u>103 Carter Ave.</u>	Telephone Number <u>1-705-567-9980</u>
<u>Kirkland Lake, ONT, P2N1Z6.</u>	Fax Number <u>1-705-567-6873</u>

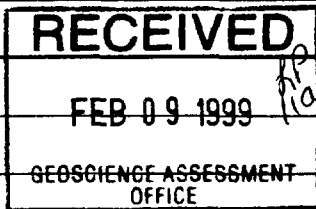
2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

Geotechnical: prospecting, surveys, assays and work under section 18 (regs)	Physical: drilling stripping, trenching and associated assays	Rehabilitation
Work Type - <u>linecutting</u>		Office Use
- <u>mapping, prospecting</u>		Commodity
- <u>magnetometer + HLEM geophysical surveys</u>		Total \$ Value of Work Claimed <u>12,762</u>
- <u>soil survey</u>		NTS Reference
Dates Work Performed From <u>15 sept 1998</u> To <u>15 Nov 1998</u>	Day Month Year	Mining Division <u>Timmins</u>
Global Positioning System Data (if available)	Township/Area <u>Sothman Twp</u>	Resident Geologist District
	M or G-Plan Number <u>M-1121</u>	

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 <u>Todd Keast</u>	Telephone Number <u>1-705-235-2540</u>
Address <u>P.O. Box 147, South Porcupine, ONT, PON1H0</u>	Fax Number <u>1-705-235-2991</u>
Name	Telephone Number
Address	Fax Number
Name	Telephone Number
Address	Fax Number



4. Certification by Recorded Holder or Agent

I, David R. Healey (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 <u>David R. Healey</u>	Date <u>8 Feb 99</u>
Agent's Address <u>103 Carter Ave, Kirkland Lake</u>	Telephone Number <u>1-705-567-9980</u>
<u>ONT, P2N1Z6</u>	Fax Number <u>1-705-567-6873</u>

1 Nov 1999

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

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	\$28,825	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 1226833	6	12762	12762	0	0
2					
3					
4	2.19180				
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
Column Totals	6	12762	12762	0	0

I, David R. Healey (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 David R. Healey Date 08 Feb 99

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):

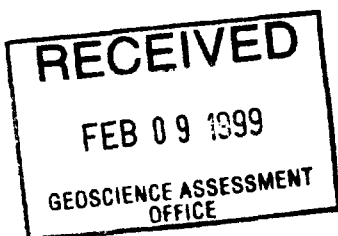
Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

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)



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 Rd, Sudbury, Ontario, P3E 6B5.

Work Type	Units of work Depending on the type of work, list the number of hours/day worked, metres of drilling, kilometres of grid line, number of samples, etc.	Cost Per Unit of work	Total Cost
linecutting	9.9 km	\$ 300 /km	2970.00
magnetometer	9.9 km	\$ 110 /km	1089.00
HLEM	8.5 km	\$ 200 /km	1700.00
Geochem., soil survey	(74 samples) 1 day	200	200
mapping / prospecting	6 days prospecting	6 x 150 = 900	2700
Assays	6 days mapping	6 x 300 = 1800	1553.43
	75 sample 4 WR, 75 Au ICP		
Associated Costs (e.g. supplies, mobilization and demobilization).			
Report Prep/writing	8 days		2100
Transportation Costs			
	truck 1500 km	1500 x 0.30	450
Food and Lodging Costs			

Total Value of Assessment Work 12762.43

RECEIVED
FEB 09 1999
GEOSCIENCE ASSESSMENT OFFICE

Calculations of Filing Discounts:

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

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 part of the assessment work submitted.

Verification of costs:

David R. Healey 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 Statement of Work form as Recorded Holder I am authorized to make this certification.
(recorded holder, agent, or state company position with signing authority)

Signature David R. Healey Date 08 Feb 99

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

Telephone: (888) 415-9846
Fax: (877) 670-1555

June 4, 1999

TODD MICHAEL KEAST
1204 GRACE AVE.
PORCUPINE, Ontario
P0N-1H0

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

Dear Sir or Madam:

Submission Number: 2.19180

Status

Subject: Transaction Number(s): W9960.00071 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 Bruce Gates by e-mail at bruce.gates@ndm.gov.on.ca or by telephone at (705) 670-5856.

Yours sincerely,



ORIGINAL SIGNED BY
Blair Kite
Supervisor, Geoscience Assessment Office
Mining Lands Section

Work Report Assessment Results

Submission Number: 2.19180

Date Correspondence Sent: June 04, 1999

Assessor: Bruce Gates

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9960.00071	1226833	SOTHMAN	Approval After Notice	June 04, 1999

Section:

9 Prospecting PROSP
14 Geophysical MAG
14 Geophysical EM
12 Geological GEOL

The revisions outlined in the Notice dated May 5, 1999, have been corrected. Accordingly, assessment work credit has been approved as outlined on the Declaration of Assessment Work Form accompanying this submission.

Correspondence to:

Resident Geologist
South Porcupine, ON

Assessment Files Library
Sudbury, ON

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

TODD MICHAEL KEAST
PORCUPINE, Ontario

DAVID RAYMOND HEALEY
KIRKLAND LAKE, Ontario

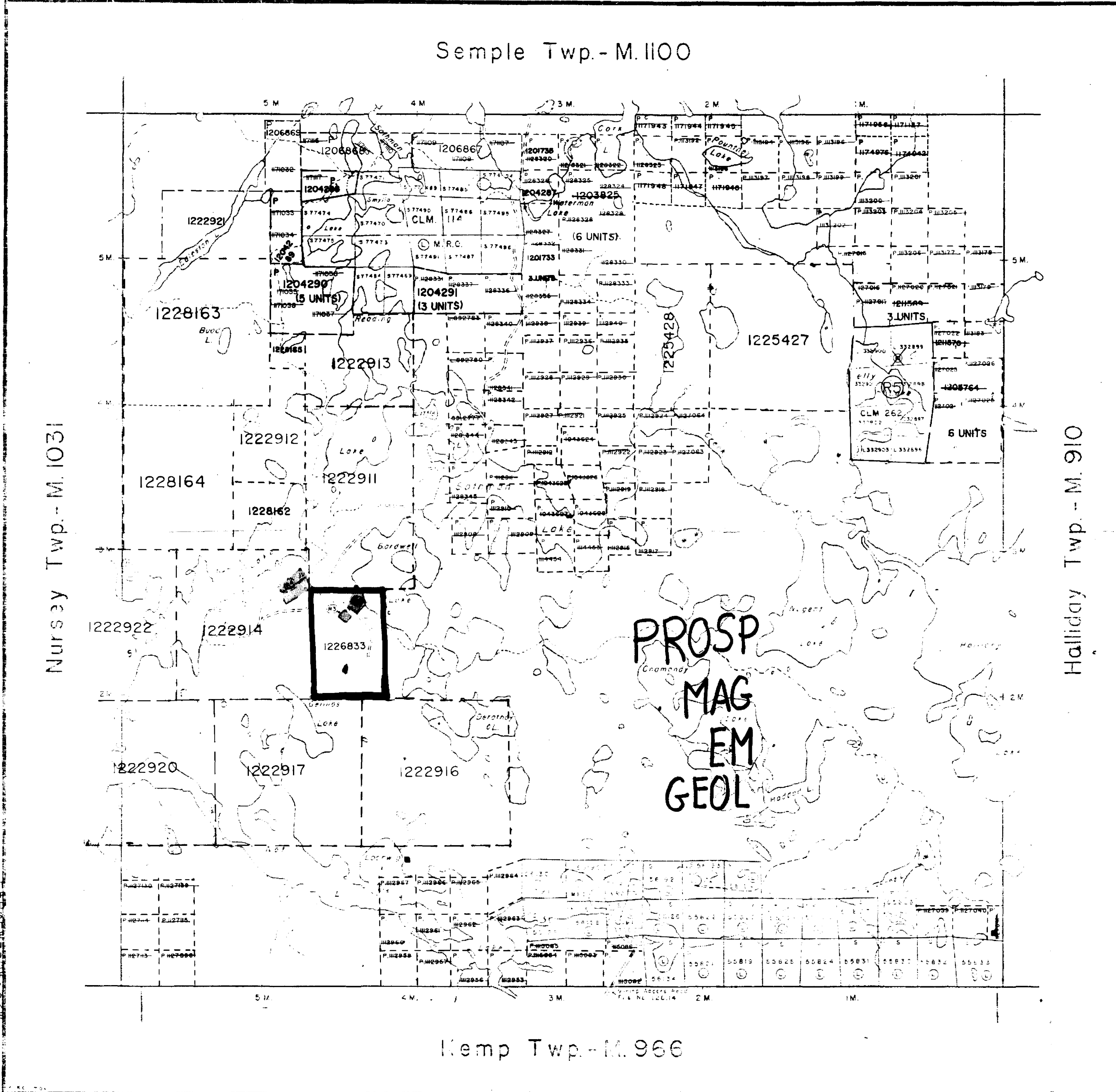
ISII.M

ISII.M

9WT NAMHTOS

9WT NAMHTOS

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.



THE TOWNSHIP OF
 OF
SOTHMAN
 DISTRICT OF
 SUDBURY
 PORCUPINE
 MINING DIVISION
 SCALE: 1-INCH=40 CHAINS

LEGEND

PATENTED LAND	Ⓟ
CROWN LAND SALE	C.S.
LEASES	Ⓞ
LOCATED LAND	Loc.
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	Ⓞ

NOTES

1. All lands are subject to a reservation along the shores of all lakes and rivers.

2. Flooding Rights -- L.O. 7191 File No. 1162 vol. 4

3. Areas withdrawn from staking under Section 43 of the Mining Act (R.S.O. 1970)

Order No. File Disposition

Ⓧ W-P-35/98 SEPT. 03/98 M.R.O.

Ⓞ Waste disposal site buffer

Ⓞ W-98-B-1847 M.R.O. S.R.O.

Ⓞ M.N.R. Gravel Reserve 3037

Ⓞ W-P-35/98 SEPT. 03/98 M.R.O.

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED.

JUN 07 1999

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.

ACTIVE TEL. APRIL 25, 1990

PLAN NO. M-1121

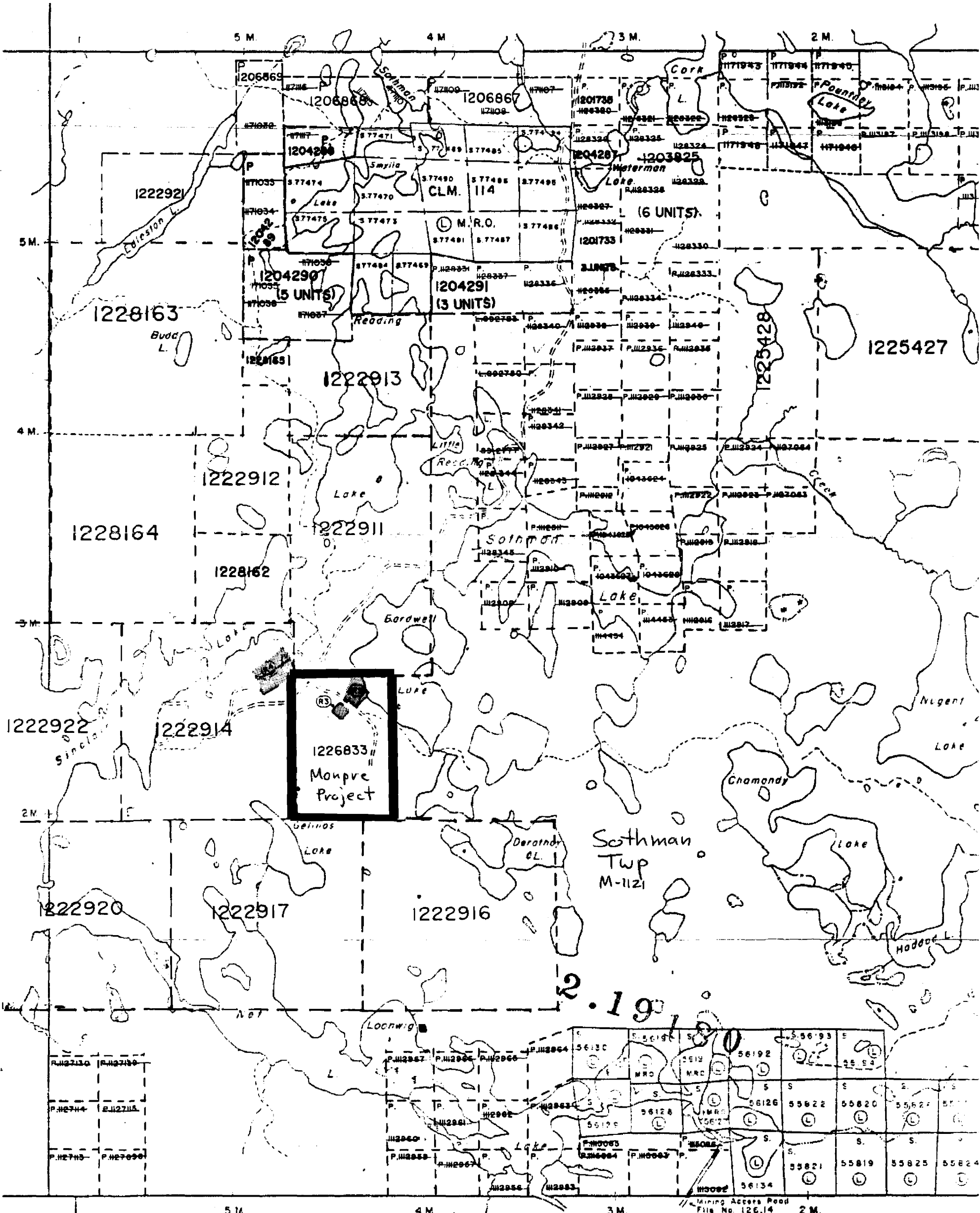
ONTARIO
 MINISTRY OF NATURAL RESOURCES
 SURVEYS AND MAPPING BRANCH



ISII.M

ISII.M

Semple Twp. - M. 1100

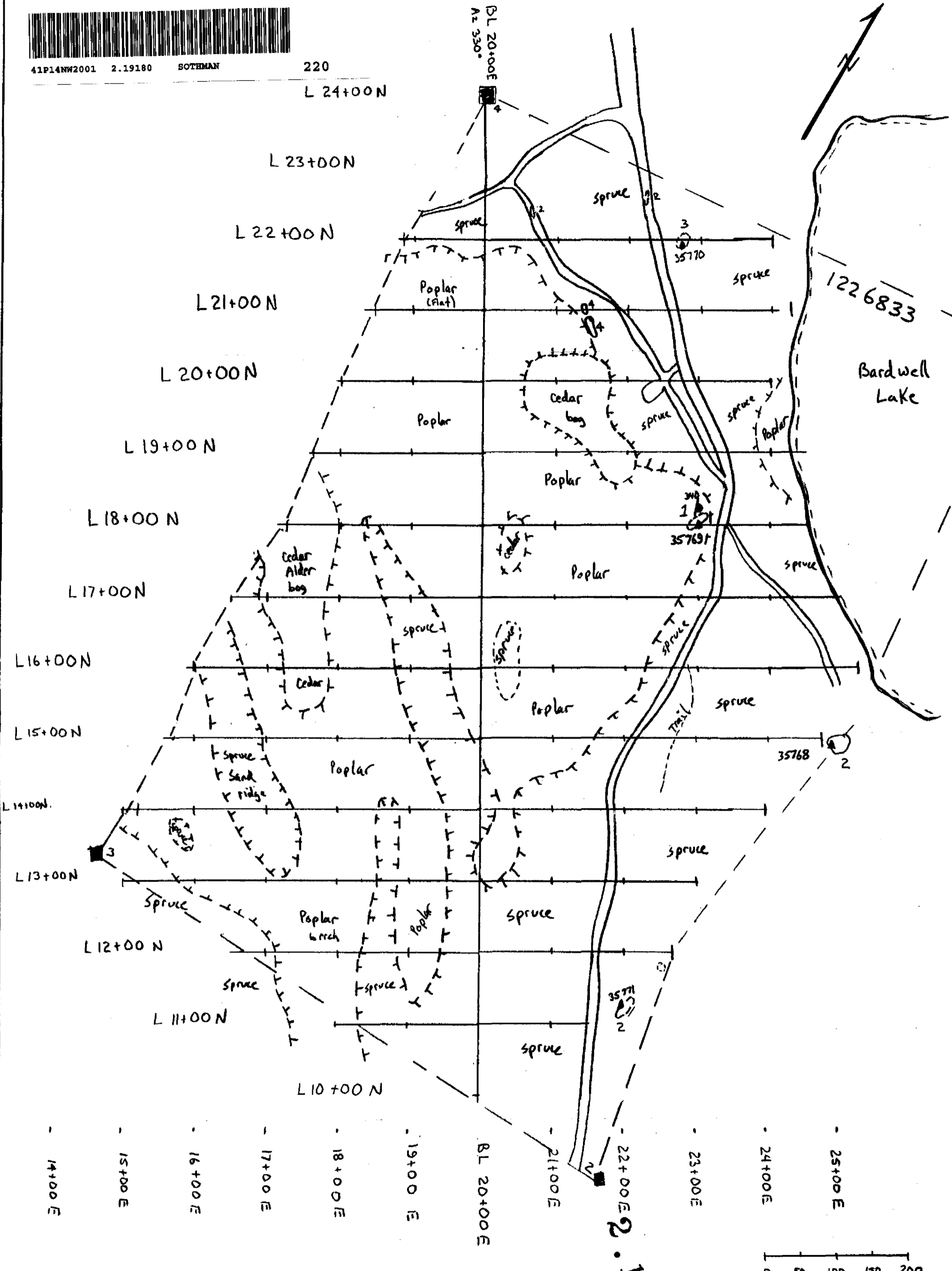


Nursey Twp. - M. 1031

Claim Location
Soyman Twp



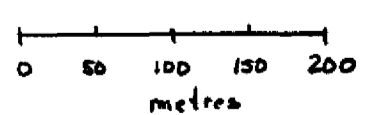
Kemp Twp. - M. 966



1226833

Bardwell Lake

2.19180



Legend

- 4 Diabase Dyke
- 3 Gabbro
- 2 Andesite
- 1 Basalt

- Outcrop
- 35791 Sample Location
- Pillow Facing direction
- Positive Topographic Feature
- claim Post
- Road
- Trail

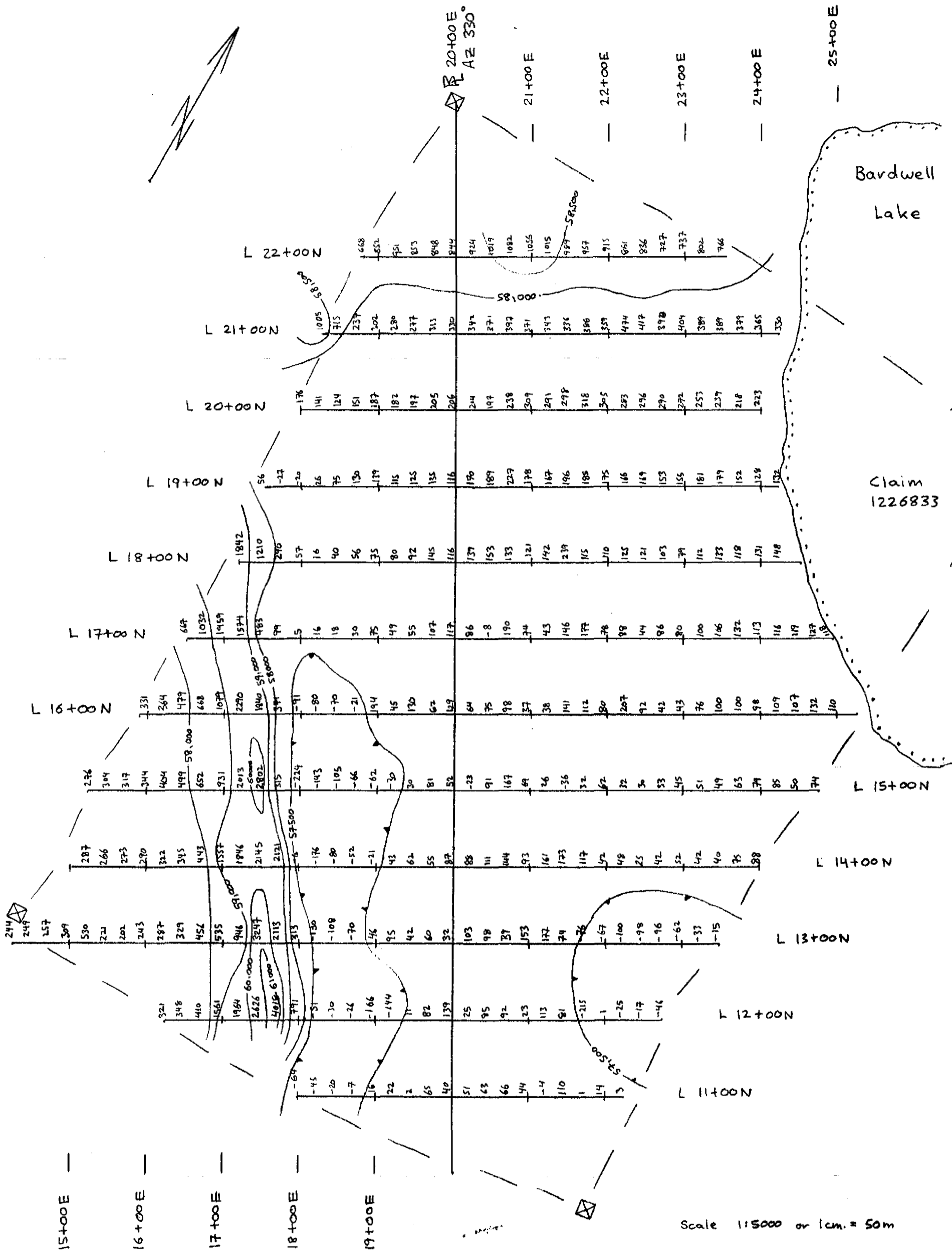
Monpre Project

Geological Mapping
+ Compilation

NTS 41 P/14 Map 1

Scale 1:5000

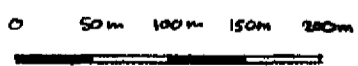
Oct 98



Bardwell Lake

Claim 1226833

Scale 1:5000 or 1cm. = 50m

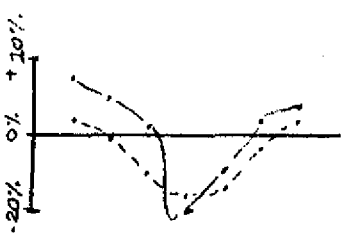
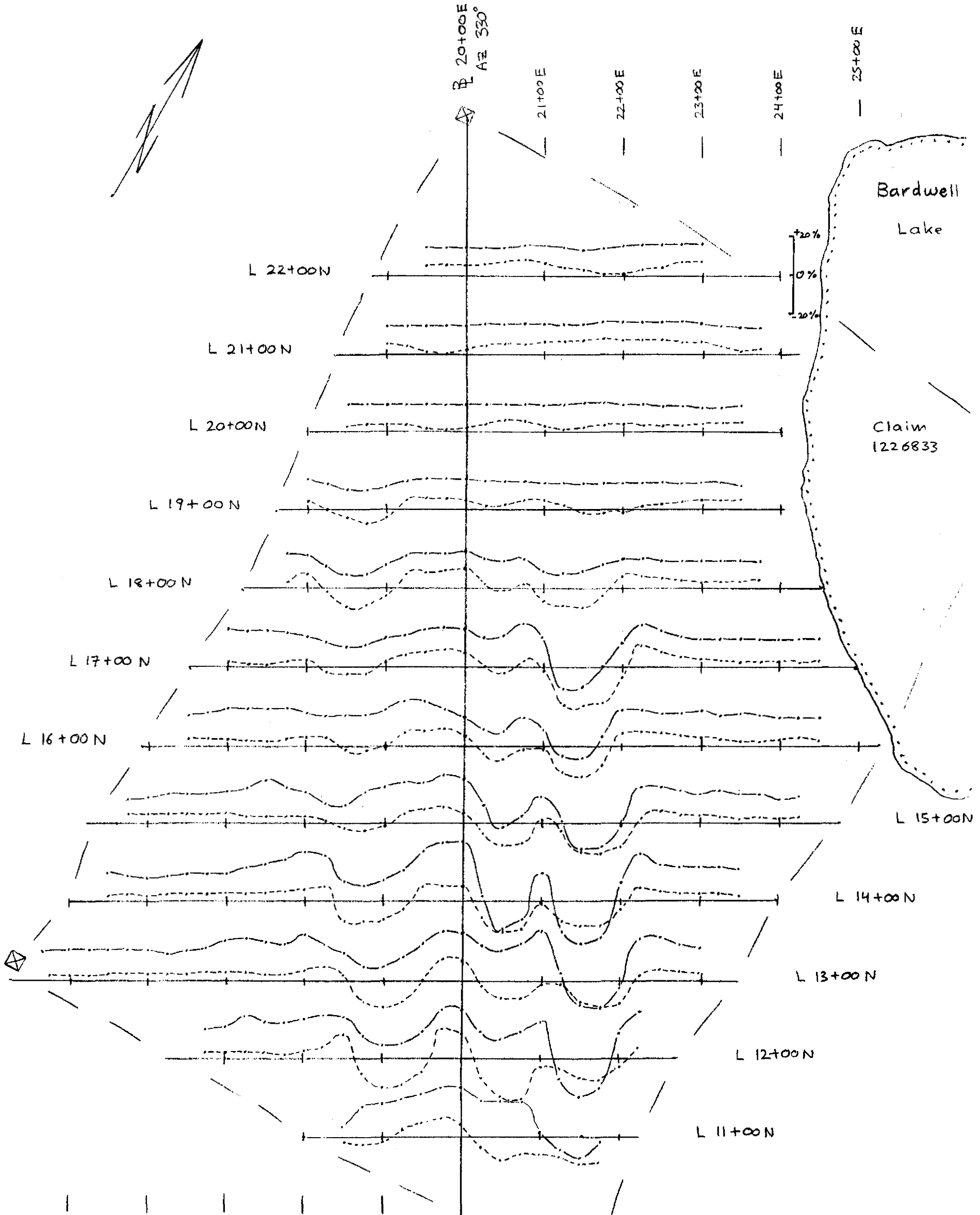


57,500 gammas removed
Instrument: Sciortvex IGS-MP-2

0815180



Monpre Project Sothman Twp., Porcupine Mining Div.		
Ground Geophysical Survey Total Field Magnetometer Survey		
Scale 1:5000	NTS 41 P/14	Nov 1998



— In Phase
 - - - Quadrature

Coil Spacing 100 meter

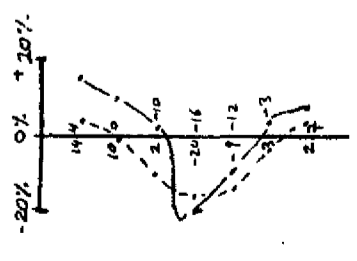
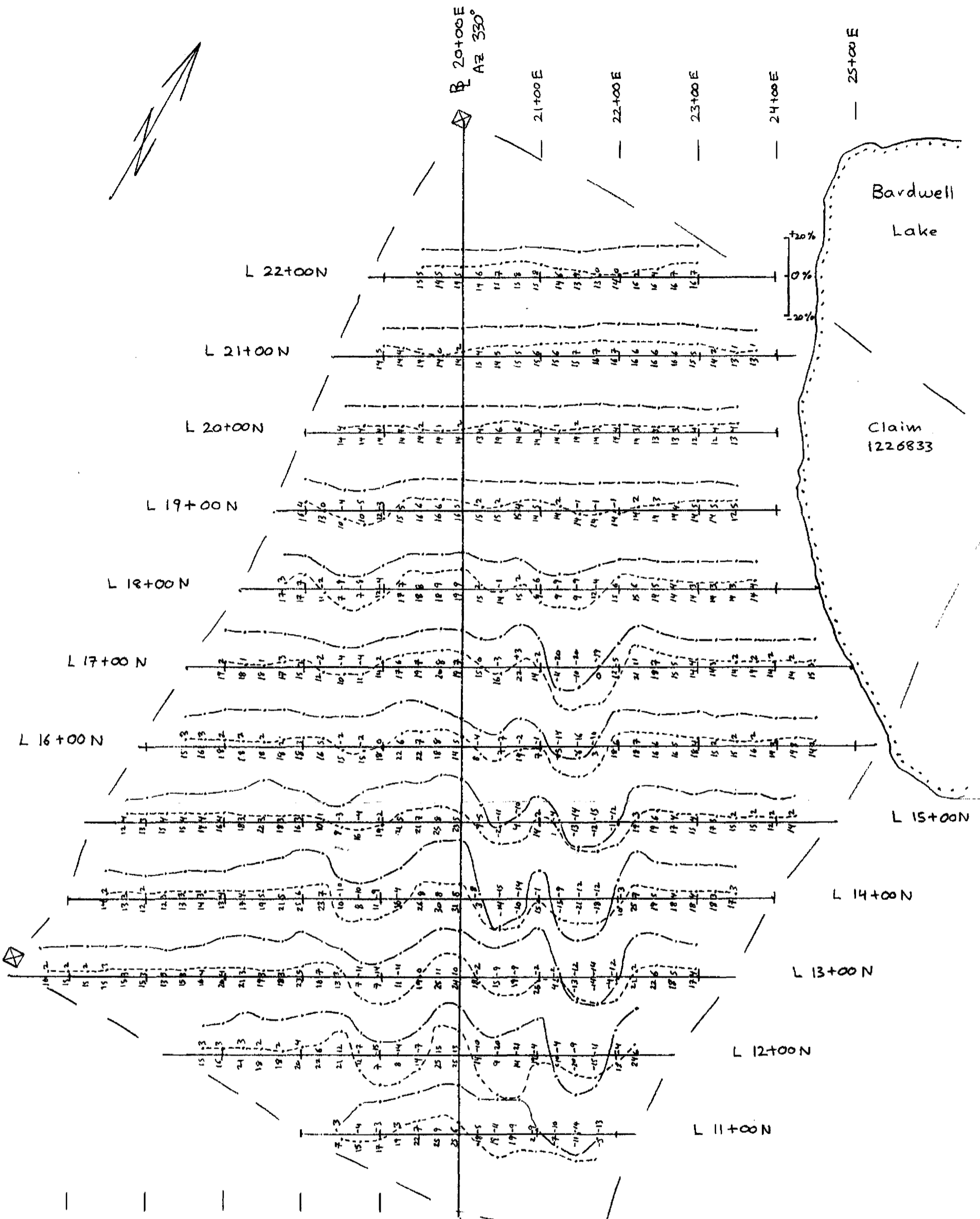
2.19180



Scale 1:5000 or 1cm = 50m



Monpre Project Sothman Twp, Porcupine Mining Div.		
Ground Geophysical Survey HLEM Maxmin II Survey 1777 Hz		
Scale 1:5000	NTS 41 P/14	Nov. 1998



- - - - - In Phase
 Quadrature
 Coil Spacing 100 meter

RECEIVE
 MAY 27 1999
 GEOSCIENCE ASSESSEME
 OFFICE



Scale 1:5000 or 1cm = 50m
 0 50m 100m 150m 200m

Monpre Project Sothman Twp, Porcupine Mining Div.		
Ground Geophysical Survey HLEM Maxmin II Survey 1777 Hz		
Scale 1:5000	NTS 41 P/14	Nov. 1998

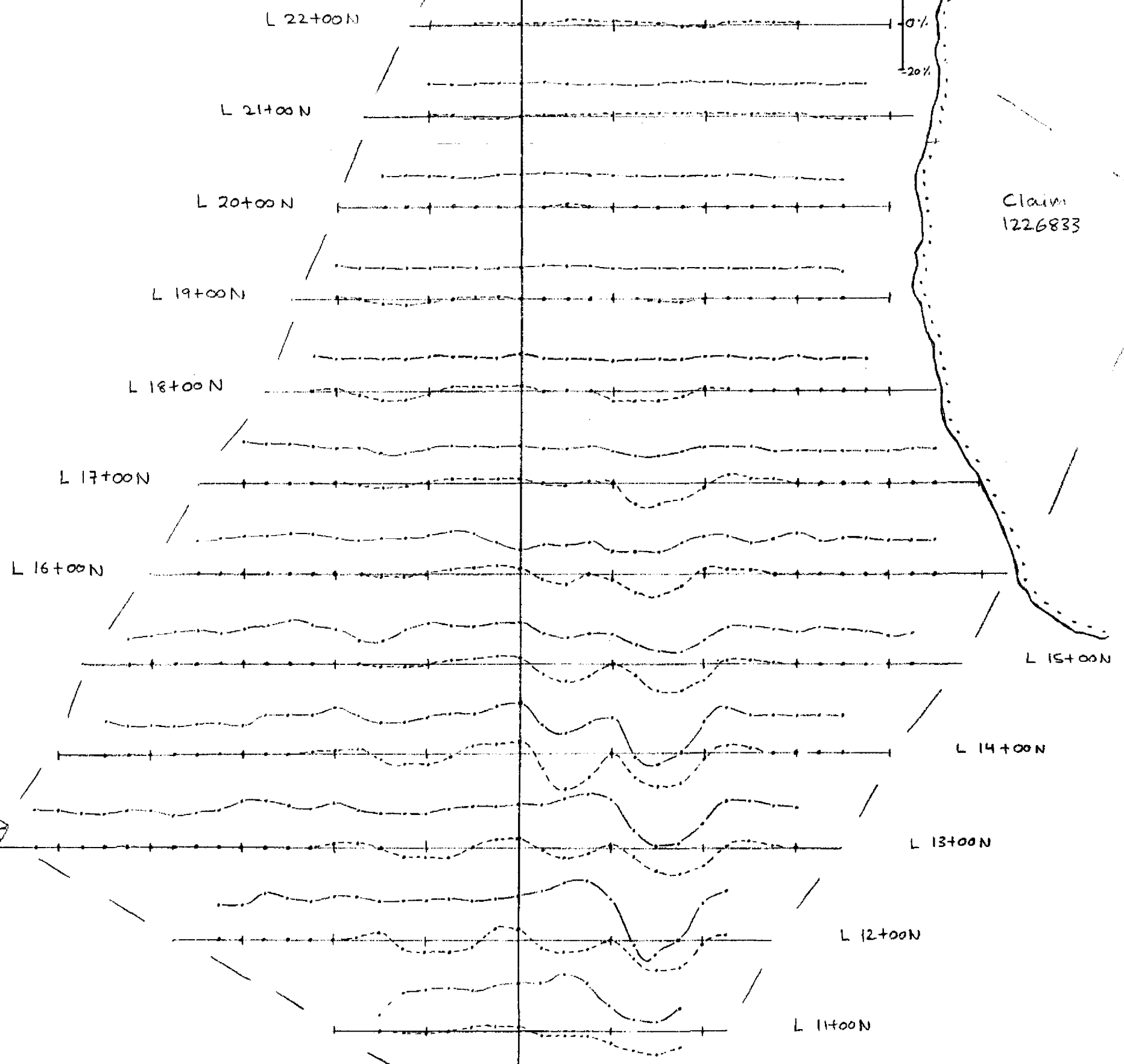


E 20+00E
AZ 330°

21+00 E
22+00 E
23+00 E
24+00 E
25+00 E

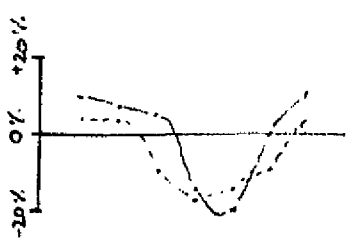
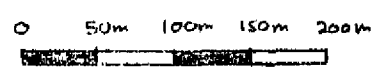
Bardwell Lake

Claim 1226833



+20%
0%
-20%

Scale 1:5000 or 1cm = 50m.

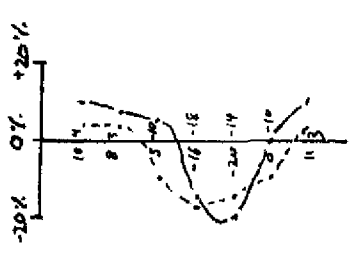
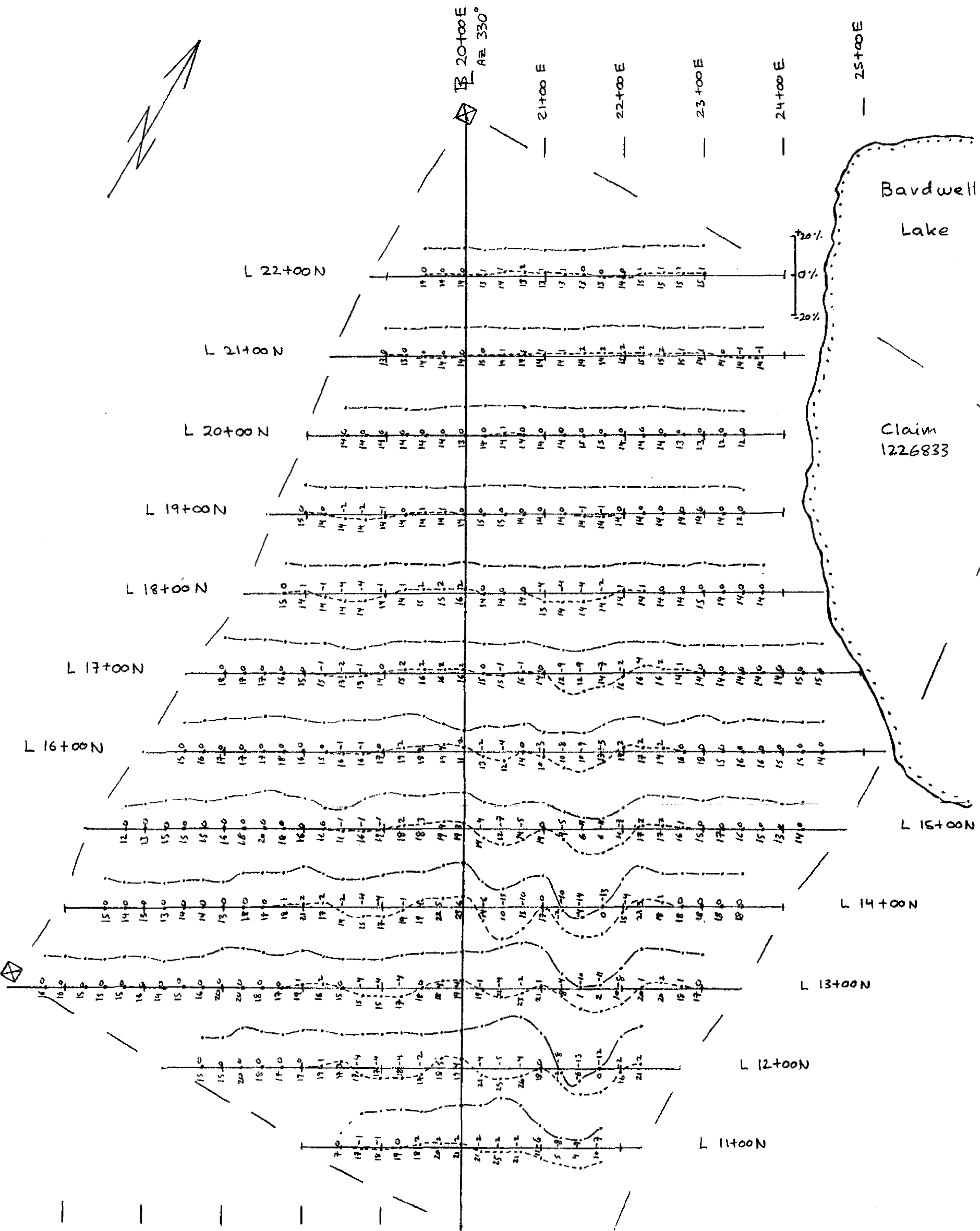


- - - - In Phase
 Quadrature
 Coil Spacing 100 meters

126102

Monpre Project Sothman Twp., Porcupine Mining Div.		
Ground Geophysical Survey HLEM Maxmin II Survey 444 Hz		
Scale 1:5000	NTS 41 P/14	Nov 1998





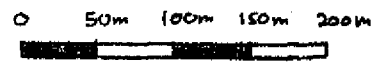
- - - - - In Phase
 Quadrature
 Coil Spacing 100 meters

RECEIVED
 MAY 27 1998
 GEOSCIENCE ASSESSMENT
 OFFICE

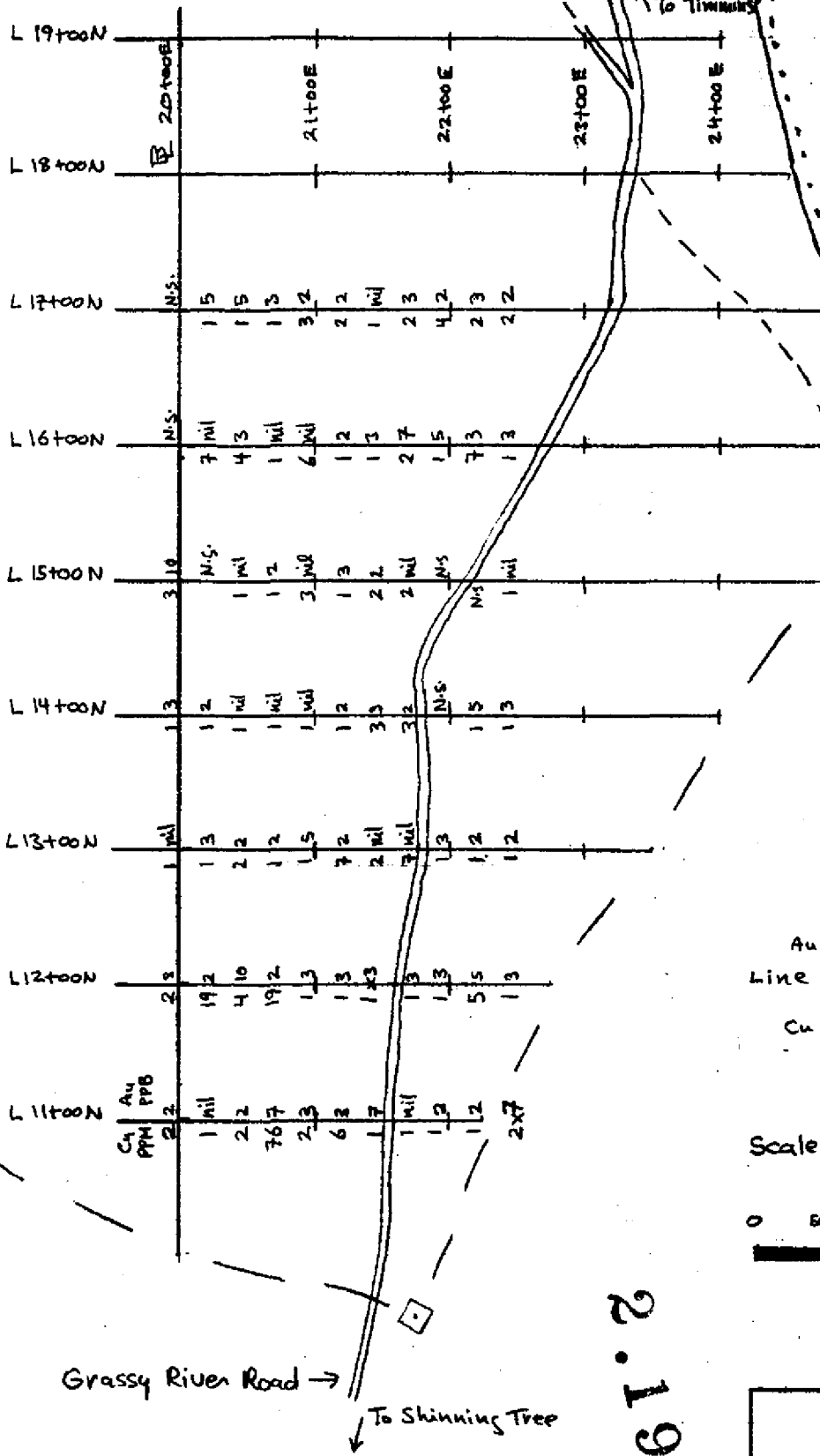
2.19181



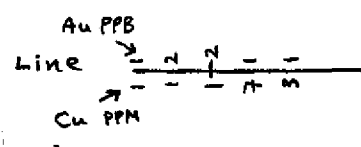
Scale 1:5000 or 1cm = 50m.



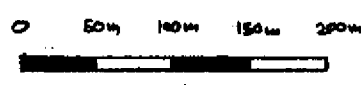
Monpre Project Sothman Twp., Porcupine Mining Div.		
Ground Geophysical Survey HLEM Maxmin II Survey 444 Hz		
Scale 1:5000	NTS 41 P/14	Nov 1998



Bardwell Lake
Claim
1226833



Scale 1:5000 or 1cm = 50m



2.19180



41P14NW2001 2.19180 SOTHMAN 280

Monpre Project Sothman Twp., Porcupine Mining Div.		
Soil Geochemistry Survey "B" Horizon		
Scale 1:5000	NTS 41 P/14	Nov. 1998