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Report On

Magnetometer and Geology Surveys

Beilby Lake Property

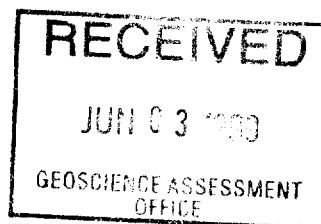
Churchill & Asquith Townships, Ontario

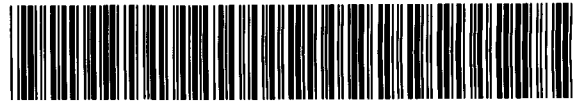
By

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May 28, 1999

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Index

	page
Introduction	1
Location, Access, Ownership	1
Previous Exploration	1
Topography	1
General Geology	2
Mapping Procedure	2
Discussion of Results	3
References	5
Appendix I	Sample - Field Locations
Appendix II	Sample Analysis
Plan of Magnetometer Survey 1:2500	Map Case
Plan of Geological Survey North Part 1:2500	Map Case
Plan of Geological Survey South Part 1:2500	Map Case

Introduction

Magnetometer and Geology Surveys were carried out over cut lines in the south-east part of Churchill Township extending into the north-east part of Asquith Township . The linecutting was carried out between July and November 1998. Surveys were carried out between August 1998 and May 1999 with some previous sampling in the fall of 1997.

Location, Access and Ownership

The property is located in the southeast part of Churchill Township, and northeast part of Asquith Township, Larder Lake Mining Division, District of Sudbury, Ontario. The claims are numbered : L1203500; L-1205547; L-1206517 to 1206518; L-1217520 to 1217521; L-1225464 to L1225466; L1225524; L-1226938; and L-1226987, comprising 41 claim units. They are recorded in the name of Skead Holdings Ltd., 28 Ford Street, Sault Ste. Marie, Ontario.

Highway 560, a secondary highway, passes just to the north of claim L-1203500 and through the northwest corner and bisects claim L-1217520. A bush road passable to 4-wheel drive vehicles passes through the west part of claim L-1205547 and east part of claim L-1206581. The claims are about 2 miles northeast of Shiningtree and 20 miles west of Gowganda.

Previous Exploration

There are no records of previous exploration on the claims. A few trenches were noted during the survey. Rock outcrop is extensive. Linecutting followed by a Magnetometer and Max Min EM Survey was carried out in 1996 - 97. This grid was extended and used in the present survey.

Topography

The claims consist of rocky outcrops with intervening gullies and low wet areas. The claims south of the highway are covered by birch, poplar and a few overmature white pines. The area north of the highway has largely been cut over fairly recently and has grown up to poplar and birch about six to ten feet high with rotting slash piles.

The geology of Churchill Township has been described by M.W. Carter in O.G.S. Report 190 and is also shown on O.G.S. Map 2510, a compilation map of the Shiningtree area. The area is underlain by early Precambrian volcanic, sedimentary and intrusive rocks. These rocks are overlain or intruded in places by middle Precambrian gabbros.

Mapping Procedure

A baseline was laid out at N45 degrees W-S45 degrees East from a point where the No. 1 post of L-1203500 lies on the south boundary leased Claim L-104641. Crosslines were laid out and cut perpendicular to the baseline every 100 metres. Lines were chained and picketed at 25 metre intervals. Linecutting on the northwestern part of the grid was completed in 1996 and 1997. In 1998 the baseline was extended to the southwest, additional crosslines were cut and some previous crosslines extended.

Magnetometer readings were taken with a Barringer GM-122 Proton Magnetometer at 12.5 metre intervals. Intermediate readings were also taken at 6.25 metres intervals in most locations where readings of greater than 250 gammas were noted at 12.5 metre intervals. The looping method was used for control of variation. In this method a base station is selected, and readings taken along lines describing a loop, arriving back at the starting base station in less than two hours. A second loop is then started using either the same base station or another which is tied to the previous loop. Readings are then corrected for diurnal variation by assuming a straight line variation in readings and correcting according to the time which is noted at each station. No correction was applied less than the accuracy of the base station readings.

The geological survey was conducted by traversing lines, noting geology and rock types where it could be exposed. Where overburden was thin, moss was pulled back or thin overburden dug into to obtain samples or view underlying rocks. As the line was traversed overburden depth was tested by driving the pointed end of a hand pick into the ground, if rock was struck an effort was made to dig to bedrock.

In general, areas considered as outcrop are fairly extensive, but usually covered by a mat of moss and trees or shallow overburden. Samples were taken from most outcrops found. Approximately 2 to 2.5 kilograms of rock was collected at each sample site and placed in a plastic bag with a location tag. Samples were transported back to Sault Ste. Marie, large pieces broken, cleaned of moss and dirt, examined and identified. A 5 to 8cm piece of each sample was placed in a small plastic bag with a location tag and retained for reference. The remainder of the samples was placed in a plastic sample bag to be sent for processing and analysis. Over 175 samples were collected, forty-three of which have been analyzed by ICP with aqua regia digestion for base metals and twenty for whole rock analysis by lithium borate fusion, nitric acid digestion to date. In addition samples collected in the fall of 1997 were analysed by various methods and a few samples have been checked for platinum group metals.

Discussion of Results

Magnetometer

The magnetics are quite variable with areas of relatively flat magnetics and narrow areas of sharply higher readings. The higher readings are believed to be caused by north trending diabase dykes. From this and magnetometer surveys by others to the south, the north trending dykes appear to be more numerous south of highway 560 than north of it. This is further complicated by gabbro intrusives which are variably magnetic.

The relatively flat magnetic area appear to outline areas of volcanics.

Geology

The geological survey gives an overview of the rocks on the property. It is presently incomplete as only some of the lines have been traversed. No significant mineral showings were found on the lines traversed to date. Minor amounts of sulphides, but no base metal sulphides were noted. Analysis did not show any significantly anomalous metal values.

The most interesting analysis showed extreme Na depletion in a highly sericitized and quartz flooded rhyolite from Line 3 NW to the NE of the baseline. Similar sericitized rhyolites were noted to the northwest on line 4 NW, 5NW and 11 NW. Further prospecting should be carried out to see if there are associated base metals.

May 28, 1999

Respectfully submitted,


R.A. MacGregor, P. Eng.

References

Carter, M. W.

1980: Geology of Connaught and Churchill Townships, District of Sudbury;
O.G.S. Report 190, 81 p Accompanied by Geological Map 2414
Scale 1 : 31,680

1987: Geology of the Shining Tree Area , District of Sudbury and Temiskaming;
O.G.S. Report 240, 41p Accompanied by Geological Map 2510
Scale 1 : 50,000

Johns, G. W.

1996: Reappraisal of the Geology of the Shining Tree Area, District of Sudbury
and Temiskaming; O.G.S. Misc Paper 166 p. 13-15

Ontario Geological Survey 1990 Airborne electromagnetic and total intensity magnetic
survey, Shiningtree Area, O.G.S. Map 81426 Scale: 1 : 20,000

Appendix I

Sample - Field Locations

Samples - Field Identification

Baseline

Analysis Number

	2 + 15 NW, 5m NE	Rhyolite, f.g. greenish massive
	3 + 23 NW	Andesite, m.g. green pink feldspar phenocrysts
	3 + 35 NW	Andesite, f.g. green massive
	8 + 70 NW	Gabbro, grey, m.g.
	9 + 20 NW	Gabbro, grey, m.g.
	9 + 95 NW	Gabbro, grey, m.g.
	10 + 30 NW	Andesite, green, f.g. massive
	10 + 55 NW	Gabbro, grey, m.g. massive
	11 + 10 NW	Gabbro, grey, m.g. massive
	0 + 60 SE	Rhyolite, f.g. massive reddish to greenish
	0 + 70 SE	Rhyolite, greenish, fine grained to aphanitic with hairline quartz veining
	1 + 50 SE	Rhyolite, grey with pink tint f.g. massive
	1 + 90 SE	Gabbro, grey, m.g.
	2 + 60 SE	3m NE Gabbro, grey, m.g.
	3 + 28 SE	Gabbro, grey, m.g.
IAR604	6 + 00 SE	Andesite, calcite, sulphide thread, viens gray, f.g.
	6 + 20 SE, 7m SW	Andesite, grey f.g. sulphides
IAR603	6 + 25 SE, 5m SW	Andesite, grey, f.g. 2% sulphide
	7 + 20 SE, 5m NE	Gabbro, grey, m.g.
	7 + 95 SE	Andesite, greenish-grey, m.g. trace pyrite
	10 + 27 SE, 2m NE	Andesite, m.g. green
WR304	10 + 30 SE	Andesite, f.g. grey
	10 + 35 SE	Diabase, black, massive f.g.
WR307	12 + 00 SE	Rhyolite, black, massive f.g.
WR305	13 + 15 SE	Andesite, grey, m.g.
WR302	12 + 32 SE	Diabase, black massive, f.g.

Line 0

1 + 25 SW Basalt, very fine grained, black, 1% pyrite
 1 + 78 SW Basalt, black, f.g. blotchy sulphide
 1 + 96 SW, 3m SE float, Rhyolite, grey brecciated with calcite
 and chlorite in matrix
 4 + 15 Sw Andesite, f.g. greenish massive
 WR312 7 + 48 SW, 10m North along shore Andesite, light grey with
 whitish alteration f.g. massive

Line 1 SE

0 + 95 Sw, 5m NE Basalt, black m.g. serpentine on slips
 0 + 99 SW Rhyolite, sericitic possible float
 f.g. greenish - yellow
 2 + 60 SW Basalt, black, f.g. massive
 WR313 3 + 10 SW Diabase, black, massive chloritic some calcite
 veining
 5 + 87 SW Andesite, f.g. grey

Line 2 SE

0 + 35 NE Gabbro
 IAR600 3 + 35 NE Andesite, m.g. green, calcite stringers
 WR307 4 + 42 NE Diabase, black, f.g. massive
 IAR605 4 + 55 NE Rhyolite, pink, f.g. massive trace pyrite
 WR300 4 + 75 NE 10m NW Rhyolite, reddish, white weathering, f.g.
 massive chlorite on slips
 IAR602 5 + 95 NE Andesite c.g. green 1% pyrite
 o/c or large float.
 6 + 90 NE Andesite, m.g. green calcite on slips
 WR308 8 + 68 NE Gabbro, m.g. grey
 WR306 8 + 75 NE Andesite, m.g. grey silicified?

Line 3 SE

	2 + 35 NE	Grey rhyolite trace pyrite
	2 + 70 NE	Rhyolite
IAR388	3 + 10 NE, 40m NW	Pink Rhyolite 1% pyrite
INA125	3 + 25 NE, 25m NW	Rhyolite 1% pyrite
	4 + 70 NE	Light green rhyolite
	5 + 62 NE	Diabase
	5 + 85 NE	Grey-green rhyolite trace pyrite

Line 4 SE

	4 + 90 NE	Quartz-carbonate breccia vein material some chalcopyrite
WR303	5 + 65 NE	Rhyolite, reddish to grey, f.g. massive some sericite on slips
WR301	6 + 15 NE	Andesite, m.g. green with white feldspar phenocrysts
IAR601	7 + 75 NE, 55m west on logging road, float .	whitish, massive fine grained dacite
	9 + 35 NE	Gabbro, grey m.g.

Line 5 SE

	4 + 37 NE	Gabbro, grey, m.g.
55651, INA146	5 + 00 NE	Reddish rhyolite, chlorite-pyrite stringers
55652, INA145	5 + 00 NE	Yellowish rhyolite, chlorite-pyrite stringers
55653, IAR474	5 + 00 NE	Calcite vein material with chlorite, loose broken rock
	6 + 28 NE	Andesite, m.g. green massive

Line 6SE

	4 + 50 NE	Gabbro, grey, m.g. pink feldspar phenocrysts
IM 116	6 + 65 NE, 150m SE	Gabbro
IM 117	6 + 80 NE, 140m SE	Gabbro
	7 + 75 NE, 4m SE	Diabase, black, f.g. massive
IAR625, APG28	8 + 10 NE	Olivene gabbro layer, m.g. lime green colour
IAR617, APG30	8 + 10 NE	Gabbro, grey, m.g. above green olivene layer, flat slips, trace sulphide
WR316	9 + 05 NE, 10m SE	Gabbro, grey, m.g.
	9 + 08 NE, 10m SE	Andesite, greenish, m.g. white and pink calcite blebs.
WR315	9 + 58 NE	Andesite, green, m.g. a little calcite on slips
	4 + 00 SW	Gabbro
	4 + 55 SW	Grey f.g. sediment ? quartz stringers
	4 + 65 SW	Light green amygdaloidal andesite
	8 + 00 SW	Quartz vein with light green alteration minerals
	8 + 70 SW	Basic syenite with hornblende laths

Line 7SE

	0 + 15 NE	F.g. sediment with pyrite on slips
	0 + 30 NE	Andesite
	2 + 80 NE, 10m NW	Red rhyolite with chlorite-epidote alteration
	1 + 00 SW	Dark green mafic volcanic chlorite spots

Line 8SE

	0 + 65 NE	Grey-green f.g. rhyolite
	2 + 65 NE	Reddish rhyolite
	2 + 00 NE	Reddish-grey rhyolite
	3 + 65 NE	Gabbro, light green-white
	1 + 10 SW	Dark green mafic volcanic

Line 8SE cont'd

2 + 05 SW Mafic volcanic
 2 + 25 SW, 10m SE Grey mafic volcanic
 3 + 12 SW, 25m SE C.g. gabbro epidote-feldspar alteration
 3 + 60 Mafic volcanic reddish feldspar
 5 + 82 Altered volcanic with ankerite ?
 9 + 85 F.g. grey green mafic volcanic

Line 1 NW

IAR608 0 + 35 NE Rhyolite, grey f.g. trace pyrite on slips,
 hairline quartz stringers
 0 + 75 SW, 35m SE Volcanic trace pyrite
 IAR393 3 + 80 SW, 25m SE Andesite some chlorite spots
 IAR391 3 + 80 SW, 25m SE Black basalt
 IAR422 3 + 85 SW, 45m SE Ultramafic volcanic ?
 IAR392 3 + 90 SW, 48m SE Gabbro, reddish feldspar and
 serpentine on fractures
 IAR389 3 + 95 SW, 25m SE andesite with chlorite spots

Line 2 NW

IAR615 1 + 75 NE Andesite, m.g. green trace sulphide
 IAR609 1 + 75 NE, 12m E, 20m S Rhyolite, red f.g. trace sulphide
 hairline quartz veinlets

Line 3 NW

IAR607	0 + 28NE	Rhyolite, greenish grey, f.g. 10% quartz-carbonate veining trace sulphide
	2 + 00 NE, 13m North,	Rhyolite, f.g. yellow sericitized quartz-carbonate breccia
WR319, INA201	2 + 00NE, 15m North,	Rhyolite, f.g. yellow sericitized, quartz flooded
	2 + 00 NE, 15m North	Rhyolite, f.g. yellow sericitized
	2 + 30 NE	Rhyolite, f.g. grey-reddish, massive
WR318	4 + 25 NE	Mafic syenite dyke, dark reddish m.g. with dark mafic spots to 3mm
	4 + 75 NE, 5m SE	Rhyolite, reddish f.g. to aphanitic, massive
	7 + 13 NE, 3m NW	Gabbro, grey, m.g.
	7 + 15 NE, 2m SE	Diabase, black, f.g.
	7 + 20 NE	Andesite, green, m.g. massive
IAR610	7 + 20 NE	Diabase, black, f.g. trace pyrite
	7 + 71 NE	Andesite, green, porphyritic, 1 - 2mm white feldspar phenocrysts
	7 + 95 NE	Andesite, green, m.g.
36519	1 + 70 SW	18m SE Andesite trace pyrite
	2 + 00 SW, 22m SE, 10m SW	Gabbro, m.g. grey
IAR387	2 + 00 SW, 22m SE, 10m SW	Gabbro
36518	2 + 04 SW, 16m SE	Gabbro (volcanic ?)

Line 4NW

	1 + 25 NE, 5m NW	Basalt, f.g. dark green some quartz breccia
	4 + 82 NE	Andesite, f.g. green massive
	5 + 08 NE	Andesite, m.g. porphyritic, green with white feldspar phenocrysts
WR314	6 + 98 NE	Andesite, porphyritic, coarse to medium grained greenish-grey with pink to white phenocrysts
	2 + 10 SW, 35m SE	(Float) rusty dacite ?
IAR627	2 + 20 SW	Basalt, c.g. felted texture trace sulphide
	2 + 75 SW	Gabbro, m.g. grey
IAR616	3 + 48 SW, 2M NW	Basalt, coarse grained dark grey

Line 5NW

IAR623	1 + 10 NE	Basalt, green, f.g. with narrow flow breccia, amygdaloidal
IAR606	1 + 40 NE	Basalt, dark green-grey with line green patches (sericitized) hairline sulphide seams
	3 + 40 NE	Rhyolite, f.g. yellow sericitic
WR309	5 + 20 NE	Andesite, m.g. green with tiny white feldspar phenocrysts
IAR612	6 + 60 NE	Gabbro, grey, m.g. trace sulphide, 1% magnetite.
	1 + 00 SW	Gabbro grey, m.g.
IAR629	1 + 50 SW	Andesite, f.g. grey hairline white carbonate stringers with sulphides - angular float on o/c
	1 + 50 SW	Andesite, grey f.g. silicified
WR317	2 + 15 SW	Gabbro, grey m.g.
36516	2 + 20 SW, 15m SE	Andesite
36517	2 + 25 SW, 45m SE	(Float) rusty dacite ?
	3 + 80 SW	Andesite, grey green, f.g. massive

Line 6NW

IAR618 0 + 82 NE Andesite green, m.g. with quartz and sulphide
 0 + 88 NE, 10m SE Andesite, gree m.g.
 IAR628 1 + 17 NE, 8m SE Andesite, quartz and sulphides in small pit
 IAR614, APG29 0 + 65 SW Gabbro, grey, m.g.
 2 + 15 SW, 5m SE Gabbro, grey, m.g.
 2 + 44 SW, 15m South Andesite, green m.g. massive

Line 7NW

0 + 62 NE Basalt, black f.g. massive
 0 + 95 NE Andesite, f.g. green, narrow thread veins, quartz
 IAR619 1 + 62 NE, 5m SE Andesite, m.g. green sulphides as blebs and
 stringers 2%
 IAR624 2 + 98 NE Andesite, m.g. grey silicified 3-5% sulphide
 3 + 08 NE Gabbro m.g. grey, possibly volcanic
 1 + 00 SW, 16m NW Gabbro, m.g. to coarse gr. grey
 IAR626 1 + 00 SW, 30m NW Andesite, very fine grained green
 WR311 2 + 20 SW Andesite, fine grained light green

Line 8NW

1 + 02 NE Basalt, black, f.g. massive
 2 + 12 NE Andesite, green, f.g. trace sulphide
 1 + 70 SW, 15m NW Gabbro, grey, m.g.
 IAR390 1 + 75 SW, 10m NE Gabbro

Line 9NW

- 0 + 12 NE, 10m SE Black volcanic with white-green
quartz stringers
0 + 72 NE, 15m SE Andesite with quartz veining
2 + 45 NE, 10m SE Diabase ?

Line 10NW

- 1 + 15 NE Green rhyolite
1 + 25 NE Gabbro
1 + 49 NE Amydaloidal grey rhyolite

0 + 60 SW Rhyolite ? epidote altered

Line 11 NW

IAR622

- 2 + 05 NE Basalt, grey, f.g. calcite stringers
2 + 62 NE Rhyolite, f.g. greenish, massive
3 + 10 NE Basalt, f.g. black massive
3 + 20 NE, 5m SE Rhyolite, yellow f.g. sericitic
0 + 30 SW Basalt, f.g. black with 5% sulphides
0 + 30 SW Basalt, f.g. black, showing narrow varolitic
horizon

Line 12 NW

- 0 + 97 NE Andesite green m.g. altered feldspar phenocrysts
2 + 85 NE Rhyolite, black fine grained massive
3 + 00 NE Gabbro, m.g. grey trace sulphide

Line 13 NW

WR310	1 + 25 NE	Rhyolite, f.g. greenish massive, a few thread quartz veins
IAR613, APG42	1 + 70 NE	Olivene gabbro layer, m.g. lime green colour
IAR611, APG44	1 + 70 NE	Gabbro below olivene gabbro layer. grey, m.g.
	2 + 12 NE	Rhyolite, f.g. greenish massive

Appendix II

Sample Analysis



GEOCHEMICAL ANALYSIS CERTIFICATE

MacGregor, R.A. File # 9900162

28 Ford St., Sault Ste. Marie ON P6A 4N4 Submitted by: R.A. MacGregor

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
1AR 600	7	69	<3	116	<.3	51	22	665	4.32	3	<8	<2	<2	21	.8	<3	<3	87	3.07	.112	13	98	1.41	7	.30	19	3.06	.10	.02	<2
1AR 601	3	100	<3	85	<.3	59	36	1662	5.82	6	<8	<2	<2	49	1.1	<3	<3	70	6.21	.022	1	60	2.56	41	<.01	5	1.21	.06	.12	<2
1AR 602	3	116	<3	81	<.3	77	39	764	6.07	6	<8	<2	<2	26	1.0	<3	<3	132	1.04	.031	2	53	2.12	13	.25	6	2.64	.04	.02	<2
1AR 603	1	22	4	154	<.3	14	8	2604	12.53	26	<8	<2	<2	20	1.6	<3	<3	24	4.91	.029	6	12	4.25	5	.06	11	3.98	.02	.01	<2
1AR 604	2	92	<3	187	<.3	78	43	1762	8.65	<2	<8	<2	<2	14	1.2	<3	<3	246	2.51	.049	4	153	2.77	11	.50	10	3.64	.07	.02	<2
1AR 605	7	24	4	18	<.3	17	4	273	1.71	8	<8	<2	5	15	.2	<3	<3	4	.96	.026	21	41	.18	105	.01	<3	.48	.03	.20	<2
1AR 606	5	51	<3	141	<.3	68	37	1009	5.66	3	<8	<2	<2	31	1.0	<3	<3	119	1.22	.054	1	136	1.55	13	.35	5	2.35	.04	.01	<2
1AR 607	5	6	3	13	<.3	4	2	257	.41	2	<8	<2	5	16	.3	<3	<3	<1	1.24	.006	9	21	.01	45	<.01	<3	.20	.02	.17	<2
1AR 608	8	9	<3	8	<.3	6	1	209	1.28	<2	<8	<2	5	4	<.2	<3	<3	<1	.57	.006	7	46	.14	18	<.01	<3	.44	.03	.07	<2
1AR 609	7	11	<3	4	<.3	6	1	86	.71	3	<8	<2	5	6	<.2	<3	<3	1	.15	.008	9	35	.02	211	<.01	<3	.15	.03	.09	<2
1AR 610	4	126	<3	64	.3	22	32	615	8.04	6	<8	<2	3	12	.4	<3	<3	269	.88	.081	20	28	1.25	19	.44	10	1.69	.05	.04	<2
1AR 611	2	114	<3	97	.3	32	33	714	7.40	3	<8	<2	2	19	.9	<3	<3	273	.96	.060	9	23	1.40	43	.39	10	2.13	.06	.07	<2
1AR 612	3	109	<3	77	<.3	30	25	345	5.34	4	<8	<2	4	18	.7	<3	<3	205	.99	.072	14	27	1.01	27	.31	8	1.68	.12	.08	<2
1AR 613	3	146	22	45	<.3	17	12	305	2.45	3	<8	<2	<2	147	.5	<3	<3	78	1.44	.042	6	41	.84	41	.35	<3	1.12	.01	<.01	<2
1AR 614	1	168	<3	83	.3	46	30	491	6.66	5	<8	<2	2	8	.8	<3	<3	251	1.00	.081	10	20	1.38	14	.30	10	1.79	.04	.03	<2
1AR 615	4	106	<3	77	<.3	67	34	564	5.31	<2	<8	<2	<2	13	.8	<3	<3	136	.77	.033	2	40	1.68	15	.25	7	2.39	.05	.04	<2
1AR 616	1	146	<3	66	<.3	71	39	707	6.30	<2	<8	<2	<2	3	.6	<3	<3	117	.18	.024	4	63	4.15	13	.10	4	3.92	.02	.05	<2
1AR 617	3	141	3	129	<.3	53	40	941	8.66	<2	<8	<2	2	16	.5	<3	3	243	.88	.095	9	31	1.72	21	.32	9	2.49	.08	.04	<2
1AR 618	4	86	<3	64	.3	14	14	579	4.32	3	<8	<2	<2	7	.6	<3	<3	20	2.51	.012	1	30	.93	5	.05	<3	1.14	<.01	<.01	<2
1AR 619	4	86	3	161	.3	44	33	1271	8.17	5	<8	<2	<2	20	.8	<3	<3	105	2.23	.079	4	61	1.63	16	.51	10	2.82	.04	<.01	<2
1AR 620	2	59	<3	152	.4	60	42	1146	10.35	12	<8	<2	2	9	.9	3	<3	277	1.82	.051	6	129	2.71	15	.50	12	2.56	.08	.04	2
RE 1AR 620	1	56	<3	145	.3	55	41	1112	10.02	8	<8	<2	2	9	.4	<3	<3	268	1.76	.050	5	126	2.62	14	.48	10	2.47	.08	.03	<2
1AR 621	<1	66	<3	78	<.3	3	47	1853	12.44	9	<8	<2	<2	51	.7	<3	4	155	4.32	.040	1	8	1.80	19	.01	15	2.79	.02	<.01	<2
1AR 622	<1	105	<3	101	<.3	91	29	3577	13.98	18	<8	<2	<2	17	2.8	3	3	104	8.28	.022	1	84	3.16	17	.13	16	5.92	.01	.01	3
1AR 623	3	122	<3	167	<.3	77	47	1494	8.27	6	<8	<2	<2	17	1.3	<3	<3	145	1.82	.042	2	126	2.01	13	.46	10	3.13	.06	<.01	<2
1AR 624	3	14	3	28	<.3	19	11	636	3.84	31	<8	<2	<2	17	.4	<3	<3	8	3.31	.027	5	20	.56	31	<.01	4	1.26	.04	.17	<2
1AR 625	4	168	26	57	.5	27	17	433	3.17	2	<8	<2	<2	90	.7	<3	<3	95	1.23	.087	8	37	.89	10	.32	3	1.29	.01	<.01	<2
1AR 626	1	179	<3	122	.3	51	37	968	7.62	5	<8	<2	3	15	1.2	3	<3	247	1.56	.094	11	48	2.24	37	.41	11	2.36	.08	.08	<2
1AR 627	3	3	<3	60	<.3	79	24	566	4.14	3	<8	<2	<2	61	.7	<3	<3	65	1.00	.082	12	78	2.90	18	.14	3	2.72	.03	.04	<2
1AR 628	3	94	<3	71	<.3	35	33	1908	6.80	52	<8	<2	<2	87	.9	<3	<3	44	6.71	.096	2	27	.80	19	<.01	<3	.92	.03	.02	<2
1AR 629	2	33	<3	146	.3	83	30	1075	6.50	20	<8	<2	<2	6	.8	7	<3	98	1.01	.035	2	74	2.37	21	.20	6	3.00	.05	.08	4
STANDARD C3	26	65	36	167	5.9	35	12	749	3.23	59	22	2	21	28	23.7	13	24	78	.56	.087	18	165	.58	149	.08	20	1.81	.04	.16	15
STANDARD G-2	1	3	3	44	<.3	8	4	509	1.95	2	<8	<2	4	69	.4	<3	<3	40	.63	.093	7	74	.56	223	.13	<3	.91	.07	.47	2

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND MASSIVE SULFIDE AND LIMITED FOR NA K AND AL.
- SAMPLE TYPE: PULP Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JAN 18 1999 DATE REPORT MAILED: *Jan 22/99* SIGNED BY: *[Signature]* D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS



WHOLE ROCK ICP ANALYSIS

MacGregor, R.A. File # 9900163

28 Ford St., Sault Ste. Marie ON P6A 4N4 Submitted by: R.A. MacGregor

SAMPLE#	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ba	Ni	Sr	Zr	Y	Nb	Sc	LOI	C/TOT	S/TOT	SUM
	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
WR 300	70.68	13.68	3.53	.71	2.01	4.51	1.95	.37	.13	.03	.017	320	24	96	124	23	<10	<10	2.2	.37	.01	99.89
WR 301	57.33	15.70	7.46	3.52	4.01	5.06	.86	.74	.22	.11	.015	183	36	136	85	13	<10	15	5.0	.75	.02	100.08
WR 302	52.60	13.36	17.03	3.23	3.66	4.62	.37	1.86	.25	.27	.007	120	<20	158	94	42	<10	34	2.4	.05	.12	99.71
WR 303	70.11	13.50	3.68	.42	2.98	2.12	3.41	.23	.06	.05	.021	691	<20	90	113	21	<10	<10	3.4	.63	.04	100.09
WR 304	51.77	13.06	15.55	4.40	4.82	4.03	.37	1.76	.17	.24	.011	296	42	99	61	33	<10	32	3.5	.28	.35	99.75
WR 305	49.66	13.91	15.29	5.63	6.42	3.66	.21	1.74	.13	.19	.019	95	41	156	54	27	<10	33	2.9	.05	.17	99.81
WR 306	63.53	14.06	7.41	2.89	2.19	5.50	.26	.77	.25	.13	.019	145	46	329	149	16	<10	11	2.7	.28	.04	99.79
WR 307	50.76	13.61	15.51	4.94	7.49	2.85	.93	1.42	.17	.22	.014	288	51	156	92	29	<10	35	1.8	.16	.25	99.79
WR 308	49.96	14.28	14.16	5.42	8.49	3.10	.86	1.18	.15	.24	.019	279	78	266	82	24	<10	34	1.6	.04	.15	99.55
WR 309	59.30	15.64	6.68	3.32	5.71	4.13	.45	.73	.17	.08	.017	215	42	384	85	13	<10	14	3.6	.36	<.01	99.92
WR 310	76.45	13.44	1.23	.52	1.17	.63	4.06	.06	.01	.02	.023	524	<20	26	39	18	<10	<10	2.7	.24	.02	100.38
WR 311	53.51	16.13	8.42	4.77	8.90	1.99	.05	.51	.06	.14	.025	39	102	269	28	10	<10	25	5.3	.49	.02	99.86
RE WR 311	53.24	16.24	8.59	4.81	8.95	1.98	.05	.50	.07	.14	.026	38	105	269	28	10	<10	24	5.2	.52	.02	99.85
WR 312	53.17	17.34	8.71	5.30	3.50	4.93	.34	.51	.08	.12	.018	77	97	103	31	<10	<10	26	6.0	.69	.04	100.06
WR 313	47.93	13.15	13.81	4.60	6.25	3.69	.05	1.95	.20	.21	.021	50	49	85	74	25	<10	30	7.8	1.28	.04	99.70
WR 314	56.48	14.32	6.54	2.97	5.84	2.60	2.11	.62	.17	.09	.018	263	48	157	71	11	<10	12	8.4	1.74	.02	100.22
WR 315	48.06	13.89	13.98	5.96	8.22	1.97	.05	1.07	.10	.21	.031	35	97	225	36	19	<10	35	6.1	.71	.10	99.70
WR 316	64.76	14.29	5.08	1.71	3.57	3.63	1.58	.77	.17	.06	.021	371	43	134	134	16	<10	11	4.5	.74	.04	100.23
WR 317	51.07	12.10	18.10	3.46	7.71	2.76	.54	2.22	.29	.27	.013	219	26	143	135	45	<10	34	1.2	.02	.16	99.81
WR 318	58.40	13.85	6.55	3.95	4.68	4.97	.94	.71	.26	.10	.033	811	51	482	88	11	<10	11	5.6	.94	.01	100.21
WR 319	81.30	12.16	1.11	.19	.04	.04	4.13	.05	.02	.01	.022	408	<20	<10	17	17	<10	<10	1.7	.02	.03	100.82
STANDARD SO-15/CSA	49.03	12.81	7.30	7.26	5.87	2.41	2.03	1.66	2.70	1.39	1.060	2001	63	396	711	19	<10	12	5.9	3.88	5.11	99.80

.200 GRAM SAMPLES ARE FUSED WITH 1.5 GRAM OF LIBO2 AND ARE DISSOLVED IN 100 MLS 5% HNO3. OTHER METALS ARE SUM AS OXIDES.
TOTAL C & S BY LECO (NOT INCLUDED IN THE SUM).

- SAMPLE TYPE: PULP Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JAN 18 1999 DATE REPORT MAILED: *Jan 22/99* SIGNED BY: *C. Leong* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS



GEOCHEM PRECIOUS METALS ANALYSIS



MacGregor, R.A. File # 9900928

28 Ford St., Sault Ste. Marie ON P6A 4N4 Submitted by: R.A. MacGregor

SAMPLE#	Au** ppb	Pt** ppb	Pd** ppb
APG-28	<1	<1	<1
APG-29	3	8	8
APG-30	<1	<1	<1
APG-31	<1	<1	<1
APG-32	<1	<1	<1
APG-33	<1	<1	<1
APG-34	<1	1	2
APG-35	1	<1	<1
APG-36	4	<1	<1
APG-37	<1	<1	<1
APG-38	<1	<1	<1
RE APG-38	<1	<1	<1
APG-39	<1	<1	<1
APG-40	2	<1	1
APG-41	5	<1	<1
APG-42	<1	8	7
APG-43	3	4	4
APG-44	3	3	2
STANDARD FA100	46	48	48

30 GRAM SAMPLE FIRE ASSAY AND ANALYSIS BY ULTRA/ICP.

- SAMPLE TYPE: ROCK PULP

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: APR 5 1999 DATE REPORT MAILED: *Apr 12/99* SIGNED BY: *[Signature]* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS



GEOCHEMICAL ANALYSIS CERTIFICATE



MacGregor, R.A. File # 9730352
28 Ford St., Sault Ste. Marie ON P6A 4N4

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
36061	<2	5	<5	21	<.5	2091	73	612	3.67	<5	<10	<4	<2	81	<.4	<5	<5	17	1.57	.010	3	661	19.48	7	.01	.46	<.01	<.01	<4	<2	<2	<2	<2	<1	4
36066	<2	6	<5	19	<.5	1753	106	667	6.39	<5	<10	<4	<2	42	<.4	<5	<5	52	2.00	.009	4	916	17.60	26	.03	1.31	.02	.05	<4	5	<2	2	<2	<1	7
36524	<2	29	<5	78	<.5	135	37	1328	6.02	<5	<10	<4	2	717	.6	5	<5	190	9.11	.099	27	528	3.87	378	.39	7.09	2.09	1.35	4	29	<2	15	2	<1	18
36716	<2	58	<5	67	<.5	91	24	706	3.73	<5	<10	<4	3	262	.4	7	<5	143	5.40	.115	31	298	2.64	246	.30	8.12	3.51	1.12	6	77	<2	14	2	<1	12
36717	2	97	<5	38	.5	76	41	806	8.72	5	<10	<4	<2	215	<.4	8	<5	255	4.51	.067	15	327	6.44	117	.37	7.65	1.63	.52	<4	54	<2	30	2	<1	29
IM 106	<2	20	<5	51	<.5	1079	119	1123	7.53	<5	<10	<4	<2	19	<.4	<5	<5	48	1.56	.012	4	1290	18.11	6	.07	1.94	.01	<.01	<4	6	<2	3	<2	<1	8
IM 113	<2	50	<5	63	<.5	518	76	1386	8.47	<5	<10	<4	<2	79	<.4	<5	<5	154	8.49	.030	7	1020	9.25	55	.23	4.47	.51	.15	<4	19	<2	13	<2	<1	18
IM 114	3	358	515	791	1.2	83	33	1045	19.83	<5	<10	<4	2	71	2.7	<5	<5	86	1.70	.014	4	78	1.55	227	.18	3.20	.77	1.01	<4	14	<2	9	<2	<1	10
IM 115	3	165	11	203	<.5	30	12	3555	9.53	<5	<10	<4	<2	13	<.4	<5	<5	9	.59	.036	6	20	.53	48	.03	1.43	.37	.22	<4	13	<2	8	3	<1	1
RE IM 115	2	160	10	193	<.5	28	12	3400	9.17	<5	<10	<4	<2	13	<.4	<5	<5	9	.56	.034	5	19	.50	46	.03	1.37	.36	.20	<4	16	<2	8	3	<1	1
IM 116	<2	11	<5	27	<.5	26	10	1429	3.03	<5	<10	<4	<2	74	<.4	<5	<5	59	10.98	.056	28	21	1.00	170	.21	4.23	.93	.75	<4	74	<2	17	4	<1	5
IM 117	<2	10	<5	41	1.2	41	15	517	4.79	<5	12	<4	5	235	<.4	6	<5	111	1.69	.118	21	29	2.07	168	.39	7.50	4.45	.22	<4	151	<2	19	5	<1	10
IM 118	<2	50	<5	65	<.5	333	41	2057	5.15	<5	<10	<4	<2	213	<.4	<5	<5	139	13.25	.021	13	802	2.76	34	.24	5.45	.92	.13	<4	18	<2	11	<2	<1	16
IM 119	<2	73	6	82	<.5	670	86	1792	6.99	<5	<10	<4	<2	97	<.4	<5	5	164	11.92	.017	6	1158	4.77	4	.27	4.85	.03	<.01	<4	7	<2	10	<2	<1	19
IM 120	<2	14	<5	6	<.5	13	4	84	.72	<5	<10	<4	2	63	<.4	<5	<5	34	.13	.010	14	499	.12	611	.03	6.59	2.67	3.49	<4	47	<2	6	2	<1	1
IM 121	2	9	<5	65	1.0	73	30	3238	16.35	7	<10	<4	11	76	<.4	<5	<5	50	15.62	.050	28	57	1.81	41	.17	5.25	.29	.19	<4	93	6	19	4	<1	5
IM 127	<2	30	41	58	1.3	16	6	566	1.96	<5	11	<4	5	247	.5	<5	<5	48	1.76	.055	24	46	.61	445	.26	5.67	2.00	1.43	<4	150	3	13	6	<1	6
SA 13430	<2	8	12	42	.7	20	9	340	3.19	<5	<10	<4	5	196	<.4	<5	<5	71	1.39	.062	12	55	.63	392	.30	6.84	1.76	1.30	<4	92	<2	8	6	<1	7
SA 13431	<2	7	19	23	1.2	6	<2	175	.90	<5	<10	<4	3	188	<.4	<5	<5	42	.72	.017	15	28	.21	572	.34	4.73	1.36	1.78	<4	174	<2	6	8	<1	3
SA 13432	<2	6	12	63	.8	19	6	278	2.49	5	10	<4	3	221	<.4	<5	6	55	1.30	.060	15	51	.55	444	.25	7.03	1.60	1.40	<4	102	<2	9	6	<1	6
SA 13433	<2	4	16	15	1.2	6	<2	132	.78	<5	<10	<4	3	167	<.4	<5	<5	41	.58	.012	15	28	.16	524	.32	4.49	1.44	1.65	<4	180	<2	5	8	<1	3
SA 13434	<2	13	14	29	.7	15	5	203	2.35	<5	<10	<4	3	162	<.4	<5	<5	51	.88	.056	14	42	.62	360	.25	6.29	1.74	1.13	<4	94	<2	7	5	<1	5
SA 13435	<2	11	9	51	1.2	23	7	299	2.96	6	<10	<4	4	207	<.4	<5	<5	62	1.34	.066	14	53	.77	414	.26	6.80	1.92	1.33	<4	111	<2	9	6	<1	6
SA 13436	<2	7	11	58	.6	23	7	272	2.48	<5	<10	<4	2	205	<.4	<5	<5	52	1.29	.066	11	50	.59	482	.23	6.92	1.64	1.35	<4	93	<2	7	6	<1	6
SA 13437	<2	7	19	53	.7	17	6	319	2.66	<5	<10	<4	3	224	<.4	<5	<5	65	1.31	.027	12	48	.52	474	.30	6.59	1.91	1.63	<4	108	<2	8	7	<1	6
SA 13438	<2	8	16	51	1.2	22	7	288	2.60	<5	<10	<4	4	218	<.4	<5	<5	61	1.36	.058	15	53	.65	436	.27	6.72	1.86	1.49	<4	107	<2	8	6	<1	6
STANDARD CT3	24	65	40	174	5.6	39	12	929	4.31	54	27	<4	27	236	22.7	24	18	132	1.62	.105	26	245	.96	1020	.38	7.33	1.80	1.87	31	51	18	17	15	4	9
STANDARD G-1	2	5	22	54	<.5	10	4	776	2.85	<5	<10	<4	5	747	<.4	<5	<5	57	2.75	.089	28	86	.79	1014	.25	8.29	2.60	2.93	<4	5	<2	16	16	1	5

ICP - .250 GRAM SAMPLE IS DIGESTED WITH 10ML HClO₄-HNO₃-HCL-HF AT 200 DEG. C TO FUMING AND IS DILUTED TO 10 ML WITH DILUTED AQUA REGIA. THIS LEACH IS PARTIAL FOR MAGNETITE, CHROMITE, BARITE, OXIDES OF AL, ZR & MN AND MASSIVE SULFIDE SAMPLES. AS, CR, SB, AU SUBJECT TO LOSS BY VOLATILIZATION DURING HClO₄ FUMING.

- SAMPLE TYPE: PULP Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: DEC 22 1997

DATE REPORT MAILED: Dec 24/97

SIGNED BY:  TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
1AR 356	7	25	<3	8	<.3	37	15	4121	9.14	5	9	<2	<2	3	<.2	<3	<3	33	.31	.007	<1	1338	.40	2	<.01	<3	.11	<.01	<.01	10
1AR 357	<1	1	<3	2	<.3	11	7	104	.49	<2	<8	<2	11	6	<.2	<3	<3	20	.26	.122	123	70	.26	25	<.01	5	.60	.04	.19	<2
1AR 358	3	23	5	18	<.3	26	9	335	1.98	2	<8	<2	<2	30	<.2	<3	<3	30	1.71	.023	5	121	1.15	11	.01	<3	.77	.03	.02	<2
1AR 359	5	91	4	102	<.3	86	47	601	4.77	6	<8	<2	<2	67	<.2	<3	<3	136	3.39	.067	8	87	1.11	24	.46	<3	1.14	.08	.07	<2
1AR 360	<1	8	<3	12	<.3	2314	104	785	5.28	14	<8	<2	<2	58	.3	<3	<3	36	2.41	.004	<1	1309	18.08	7	.02	80	.65	<.01	<.01	<2
1AR 361	<1	79	<3	33	<.3	72	43	940	6.77	2	<8	<2	<2	75	<.2	<3	<3	183	6.02	.017	1	195	3.82	5	.16	<3	3.77	.03	.01	<2
1AR 362	2	88	<3	38	<.3	22	14	535	3.23	6	<8	<2	<2	29	<.2	<3	<3	21	1.88	.052	13	18	1.83	114	.11	4	2.04	.02	.42	<2
RE 1AR 362	2	90	<3	40	<.3	23	15	557	3.36	2	8	<2	2	30	.3	<3	<3	22	1.95	.054	14	19	1.89	118	.11	5	2.09	.02	.43	<2
1AR 363	1	19	<3	52	<.3	24	12	454	2.63	<2	<8	<2	2	31	<.2	<3	<3	28	1.45	.047	12	26	1.51	35	.14	3	1.71	.05	.22	<2
1AR 364	3	44	3	66	<.3	94	55	1556	6.81	89	<8	<2	<2	28	<.2	<3	<3	85	4.70	.031	1	60	3.89	23	<.01	9	3.16	.03	.10	<2
1AR 365	<1	58	<3	102	<.3	125	60	1953	9.94	7	<8	<2	<2	25	.2	<3	<3	153	4.18	.045	2	244	5.72	39	<.01	6	4.85	.01	.13	<2
1AR 366	1	127	3	55	<.3	61	36	2330	5.92	59	<8	<2	3	45	.4	<3	<3	69	8.50	.053	2	74	3.81	19	<.01	12	2.42	.02	.08	<2
1AR 367	1	26	4	43	<.3	31	13	2069	4.24	22	<8	<2	2	68	<.2	<3	<3	40	9.11	.016	2	25	3.36	9	<.01	5	1.38	.01	.02	<2
1AR 368	5	194	18	443	<.3	363	47	1639	5.25	39	<8	<2	4	508	1.0	<3	<3	82	6.97	.087	7	205	3.30	171	.02	5	1.64	.02	.62	<2
1AR 369	4	347	<3	73	.8	37	37	1836	7.25	3	<8	<2	<2	65	<.2	<3	<3	109	4.28	.045	<1	48	.84	91	.40	13	1.42	.06	.12	<2
1AR 370	2	67	<3	40	<.3	69	23	483	3.63	2	<8	<2	<2	83	<.2	<3	<3	54	1.00	.055	9	88	1.71	114	.17	3	1.59	.04	.17	<2
1AR 371	1	7	7	22	<.3	18	7	245	1.82	<2	<8	<2	9	11	<.2	<3	<3	34	.27	.050	16	368	.81	45	.12	3	.90	.07	.09	<2
1AR 374	<1	65	3	40	<.3	208	38	426	3.86	8	<8	<2	<2	50	<.2	<3	<3	70	2.05	.015	1	97	2.61	37	.13	9	3.46	.40	.18	<2
1AR 375	4	217	85	139	.5	59	65	948	5.69	43	<8	<2	<2	18	.4	<3	<3	231	4.30	.023	5	434	2.16	16	.17	11	2.01	.08	.14	<2
1AR 376	3	450	239	111	3.4	53	79	1069	6.72	68	<8	<2	<2	18	<.2	<3	4	250	4.59	.025	5	271	2.69	12	.19	9	2.54	.07	.09	<2
1AR 377	1	443	82	42	2.2	70	58	1151	5.83	49	<8	<2	3	22	.3	<3	4	247	6.11	.026	8	247	2.79	18	.15	8	2.63	.08	.07	<2
1AR 378	1	538	9	82	2.5	79	30	977	6.85	<2	<8	<2	3	18	.2	<3	<3	294	6.49	.027	11	251	3.50	12	.19	9	2.94	.04	.05	<2
1AR 379	3	1121	46	79	6.7	54	96	898	5.37	144	<8	<2	4	14	.4	<3	4	49	5.01	.063	13	410	1.37	14	.23	11	1.82	.05	.05	<2
1AR 380	1	75	<3	38	<.3	32	30	344	3.64	<2	<8	<2	<2	39	<.2	<3	<3	88	1.46	.032	1	28	1.40	14	.23	3	1.20	.09	.10	<2
1AR 381	1	8	<3	14	<.3	38	10	221	1.06	<2	<8	<2	<2	17	<.2	<3	<3	31	.66	.060	15	29	2.06	23	.14	4	1.60	.09	.11	<2
1AR 382	1	37	<3	222	<.3	15	9	713	2.78	2	<8	<2	<2	39	<.2	<3	<3	15	3.30	.040	12	12	.47	27	.09	5	1.12	.05	.16	<2
10605	7	102	63	147	<.3	448	59	899	5.15	33	<8	<2	3	212	.3	<3	<3	118	4.91	.107	25	697	2.94	24	.08	3	2.12	.01	.17	<2
10618	3	388	11	34	<.3	257	43	1216	4.64	3	<8	<2	2	255	.2	<3	<3	114	6.99	.092	5	764	4.05	138	.18	4	2.33	.01	2.42	<2
10664	45	201	37	165	.6	101	50	194	5.30	3	<8	<2	4	2	<.2	<3	3	7	.06	.023	8	64	.61	7	<.01	3	.57	.01	.03	<2
36068	<1	7	<3	37	<.3	1221	73	666	4.50	10	<8	<2	<2	6	<.2	<3	<3	40	.29	.012	1	1113	11.64	5	.04	26	3.16	.01	.03	<2
36506	<1	65	3	27	.3	325	40	1033	4.18	2	<8	<2	<2	236	<.2	<3	<3	105	5.07	.021	2	1369	5.87	222	.06	<3	2.06	.01	.52	<2
36508	1	32	4	40	<.3	141	25	843	3.22	3	<8	<2	2	180	<.2	<3	<3	19	5.12	.081	7	105	3.03	183	.01	<3	.83	.01	.24	<2
36516	<1	52	<3	60	<.3	92	34	793	4.76	<2	<8	<2	<2	19	<.2	<3	<3	72	6.76	.019	4	58	2.04	26	<.01	4	3.44	.06	.13	<2
36517	<1	26	<3	67	<.3	23	17	2427	5.69	34	<8	<2	<2	90	<.2	<3	<3	15	6.52	.075	5	98	1.07	45	<.01	8	.53	.05	.16	<2
36518	<1	225	<3	80	<.3	56	51	902	9.41	2	<8	<2	<2	11	<.2	<3	<3	314	2.46	.034	5	105	5.19	12	.41	10	3.88	.04	.01	<2
STANDARD C3	25	65	34	155	5.4	37	13	739	3.37	53	30	<2	19	30	23.9	14	23	85	.59	.084	18	174	.65	149	.10	18	2.00	.04	.16	22

Sample type: PULP. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
36519	<1	121	<3	126	<.3	53	45	1161	8.01	<2	<8	<2	<2	44	<.2	<3	<3	169	2.05	.035	<1	196	2.74	10	.51	7	3.30	.04	<.01	<2
36526	1	38	<3	16	<.3	43	23	170	2.12	<2	<8	<2	2	4	<.2	<3	3	192	.12	.010	6	357	2.26	204	.25	<3	1.95	.07	1.45	<2
36529	2	11	4	6	<.3	3	1	693	.44	<2	<8	<2	5	409	<.2	<3	<3	29	19.28	.012	8	7	6.41	23	<.01	27	.04	.01	.04	<2
36530	2	34	4	37	<.3	9	4	225	2.22	4	<8	<2	8	8	<.2	<3	<3	18	.39	.019	22	192	.26	13	.06	4	.60	.06	.28	<2
36681	1	48	<3	37	<.3	37	31	898	4.24	<2	<8	<2	<2	24	<.2	<3	<3	110	4.22	.024	1	146	2.05	9	.24	<3	2.13	.04	.02	<2
36702	5	125	134	71	<.3	24	13	351	2.69	3	<8	<2	<2	31	<.2	<3	<3	49	1.43	.120	17	116	1.01	26	.13	<3	1.14	.06	.07	<2
RE 36702	5	126	123	71	<.3	24	13	346	2.61	3	<8	<2	<2	31	.3	<3	<3	47	1.41	.118	17	112	1.00	26	.13	<3	1.12	.06	.07	<2
36703	10	162	4	60	<.3	39	26	446	3.87	<2	<8	<2	<2	27	<.2	<3	<3	71	2.29	.034	1	104	1.51	29	.21	4	1.53	.08	.08	<2
36707	12	224	3	27	<.3	22	22	380	3.04	<2	<8	<2	<2	27	<.2	<3	4	50	2.37	.036	<1	70	.69	4	.18	3	.86	.11	.03	<2
36752	3	90	8	54	<.3	116	27	621	3.68	<2	<8	<2	5	148	<.2	<3	<3	95	2.02	.143	28	369	1.91	215	.21	<3	1.58	.03	1.17	<2
36753	4	73	4	111	<.3	485	60	873	5.56	<2	<8	<2	<2	181	<.2	<3	<3	164	3.39	.053	12	1142	4.17	56	.13	<3	3.35	.02	.21	<2
55516	<1	125	<3	39	<.3	54	24	433	2.74	<2	<8	<2	4	71	<.2	<3	<3	62	1.38	.151	25	278	1.91	34	.18	4	1.60	.05	.15	<2
55532	3	103	<3	48	<.3	60	29	654	3.91	<2	<8	<2	<2	32	<.2	<3	<3	90	1.23	.017	<1	180	2.66	9	.24	<3	2.45	.03	.02	<2
55534	<1	107	<3	59	<.3	74	36	968	5.50	<2	<8	<2	<2	63	<.2	<3	<3	156	5.56	.014	<1	317	3.79	7	.13	<3	3.25	.02	.03	<2
STANDARD C3	26	66	31	171	5.5	37	13	737	3.42	56	20	3	20	30	23.7	16	22	83	.59	.085	18	169	.65	149	.10	21	1.97	.04	.16	23

Sample type: PULP. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
1AR 463	26	214	6	37	7.0	206	59	866	5.06	5	<8	<2	<2	111	<.2	<3	<3	60	3.38	.048	10	427	2.62	309	.08	<3	1.31	.02	.36	36
1AR 464	27	196	4	37	5.8	207	60	822	5.12	4	<8	<2	<2	104	<.2	<3	<3	59	3.18	.049	9	423	2.48	303	.08	<3	1.30	.02	.38	36
1AR 465	28	215	5	43	10.2	186	56	727	5.35	3	<8	<2	<2	79	<.2	<3	<3	57	2.62	.049	9	358	1.98	367	.09	<3	1.21	.02	.39	67
1AR 466	21	95	4	43	5.8	121	26	478	3.65	3	<8	<2	<2	64	<.2	<3	<3	42	1.63	.046	10	214	1.52	324	.07	3	.93	.02	.19	29
1AR 467	21	89	4	40	4.8	123	30	472	3.66	2	<8	<2	<2	68	<.2	<3	<3	43	1.69	.045	9	233	1.55	344	.07	5	.96	.02	.21	32
1AR 468	31	123	7	39	7.2	142	35	607	4.17	2	<8	<2	<2	80	<.2	<3	<3	47	2.17	.048	9	270	1.95	341	.07	5	1.12	.02	.33	40
1AR 469	31	148	5	42	7.6	149	46	598	4.62	2	<8	<2	<2	81	<.2	3	<3	50	2.16	.052	9	290	1.85	355	.08	<3	1.11	.02	.34	52
1AR 470	15	62	5	38	2.3	113	21	470	3.30	3	<8	<2	<2	72	<.2	<3	<3	41	1.65	.045	9	209	1.62	367	.07	3	1.04	.04	.22	17
1AR 473	2	12	<3	3	<.3	894	10	88	.87	8	<8	<2	2	10	<.2	<3	<3	15	.36	.116	7	25	.23	7	.09	4	.31	.11	.03	<2
1AR 474	<1	<1	3	5	<.3	7	5	2590	.88	2	<8	<2	<2	182	<.2	<3	<3	21	34.68	.002	56	1	.65	7	<.01	<3	.51	.02	.01	<2
RE 1AR 474	<1	<1	<3	6	<.3	7	5	2570	.90	2	<8	<2	<2	181	<.2	<3	<3	22	34.19	.001	56	5	.66	8	<.01	<3	.52	.02	.01	<2
1AR 475	2	21	4	61	<.3	30	8	141	1.23	3	<8	<2	<2	28	<.2	<3	<3	4	.33	.030	7	15	.29	19	.06	3	.60	.03	.10	<2
1AR 476	17	111	21	567	<.3	81	18	233	2.23	3	<8	<2	<2	21	1.2	<3	<3	19	.28	.043	10	50	.34	36	.08	4	.54	.07	.14	<2
1NA 471	31	105	6	37	6.5	124	30	521	3.86	3	<8	<2	<2	75	<.2	<3	<3	44	1.88	.048	9	243	1.70	391	.07	4	1.04	.03	.26	35
1NA 472	8	42	3	20	1.8	64	14	336	2.30	<2	<8	<2	2	53	<.2	3	<3	31	1.48	.046	8	155	1.08	191	.07	<3	.73	.03	.13	12
STANDARD C3	26	63	37	164	5.6	37	13	797	3.51	57	20	3	20	29	24.0	17	21	78	.53	.090	18	166	.59	147	.09	22	1.93	.04	.17	16
STANDARD G-2	1	1	3	43	<.3	8	6	586	2.34	<2	<8	<2	4	78	<.2	<3	<3	42	.65	.097	8	83	.62	289	.13	<3	1.08	.09	.52	2

Sample type: PULP. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
1AR 328	<1	13	<3	6	<.3	533	45	808	2.31	<2	<8	<2	<2	84	.2	<3	3	13	1.83	.009	2	562	8.56	119	<.01	4	.40	.01	<.01	<2
1AR 329	2	121	8	95	<.3	75	42	670	5.24	3	<8	<2	3	234	.4	<3	5	108	2.42	.130	14	164	5.96	580	.01	<3	3.48	.03	.20	2
1AR 330	<1	67	4	47	<.3	62	23	675	3.56	<2	<8	<2	3	85	.4	<3	4	107	3.25	.115	15	253	2.44	67	.16	4	2.29	.19	.18	<2
1AR 331	<1	72	4	62	<.3	53	26	865	4.40	<2	8	<2	4	94	<.2	<3	6	130	3.37	.142	21	324	2.41	86	.21	<3	2.39	.19	.24	<2
1AR 372	7	112	7	75	<.3	41	33	535	5.17	2	<8	<2	2	45	.3	<3	<3	160	1.14	.083	12	66	1.54	69	.28	3	2.12	.13	.26	<2
1AR 373	7	107	9	70	<.3	41	30	509	4.97	2	<8	<2	2	43	.2	<3	<3	153	1.10	.079	11	60	1.48	69	.27	4	2.01	.12	.25	<2
1AR 391	1	173	7	82	.4	32	28	718	6.80	4	<8	<2	3	13	.3	<3	3	196	1.25	.092	13	20	1.35	15	.43	4	2.01	.14	.05	<2
1AR 399	<1	116	28	106	.3	6	52	684	8.95	29	<8	<2	3	9	<.2	<3	<3	324	.52	.043	7	19	1.25	27	.19	<3	1.93	.07	.09	<2
1AR 400	5	126	517	135	4.8	21	57	596	8.71	63	<8	<2	4	13	<.2	<3	<3	609	1.85	.034	8	28	1.56	30	.27	8	1.79	.11	.15	<2
1M 401	1	223	172	265	1.6	26	41	409	7.80	26	<8	<2	3	14	.4	<3	<3	673	1.32	.034	8	62	.95	41	.20	3	1.29	.11	.17	<2
1AR 402	2	167	304	1182	2.9	87	41	825	9.57	6	<8	<2	4	18	4.1	<3	<3	388	3.72	.043	10	63	3.10	30	.25	7	3.15	.08	.07	<2
RE 1AR 402	2	179	308	1198	4.0	90	41	846	9.74	7	<8	<2	5	18	4.2	<3	5	394	3.78	.044	11	66	3.16	34	.26	3	3.18	.09	.07	<2
1AR 403	8	80	63	78	1.0	43	87	2651	3.26	120	<8	<2	3	35	.8	<3	4	122	14.56	.017	14	59	.98	15	.08	4	1.16	.05	.05	<2
1AR 404	3	116	1023	2539	.6	29	45	570	9.68	24	<8	<2	3	14	7.3	<3	<3	624	1.91	.032	6	85	2.99	18	.26	<3	2.30	.09	.12	<2
1AR 405	1	645	132	133	2.4	43	55	881	7.53	16	<8	<2	4	17	<.2	<3	3	141	4.74	.048	10	49	2.15	23	.13	<3	2.17	.11	.08	<2
1AR 406	5	311	21	28	.7	31	21	1654	2.29	23	<8	<2	4	37	.5	<3	3	156	15.15	.021	15	36	.74	23	.10	<3	.90	.06	.05	<2
1AR 407	2	440	19	98	.4	41	23	907	4.40	10	<8	<2	3	24	.7	<3	<3	213	5.43	.029	9	78	1.28	28	.16	6	1.64	.14	.18	<2
1AR 408	9	300	470	263	1.6	83	474	1246	7.16	661	<8	<2	3	23	1.1	<3	<3	696	6.92	.024	12	46	1.31	31	.27	10	1.50	.14	.20	<2
1AR 409	3	219	183	246	.5	32	42	548	7.94	15	<8	<2	2	12	.5	<3	<3	691	1.33	.026	8	96	1.42	31	.23	<3	1.48	.10	.21	<2
1AR 410	4	160	203	214	.3	25	33	541	7.17	8	<8	<2	3	12	.4	<3	<3	427	.88	.029	5	126	1.21	56	.19	8	1.54	.12	.32	<2
1AR 411	2	223	1556	1507	1.3	34	57	732	6.10	10	<8	<2	4	33	9.5	<3	<3	190	5.97	.035	11	53	1.68	84	.23	10	2.02	.12	.15	<2
1AR 412	3	661	144	59	4.4	95	330	2284	3.84	517	<8	<2	3	39	.8	<3	3	492	15.35	.014	14	182	1.52	10	.19	4	1.55	.07	.05	<2
1AR 413	2	978	475	523	2.5	45	43	1127	7.51	7	<8	<2	3	16	1.7	<3	9	238	5.05	.021	7	408	3.38	11	.16	<3	2.93	.11	.04	<2
1AR 414	3	70	63	373	<.3	43	38	555	7.42	<2	<8	<2	3	12	.9	<3	3	456	1.12	.033	6	718	1.05	25	.29	6	1.77	.14	.12	<2
1AR 415	2	86	70	132	.6	70	40	674	5.06	5	<8	<2	3	34	<.2	<3	<3	203	5.31	.037	9	366	2.28	63	.18	<3	2.09	.08	.10	<2
1AR 416	1	27	<3	48	<.3	662	60	466	2.49	24	<8	<2	<2	8	.2	<3	<3	48	.36	.013	1	1037	1.49	39	.20	4	1.41	.01	.09	<2
1AR 417	35	190	6	63	.4	42	12	238	2.50	4	<8	<2	<2	77	<.2	<3	<3	52	.55	.057	6	109	1.29	169	.14	<3	1.41	.08	.54	<2
1AR 418	2	37	9	47	<.3	38	16	406	2.83	4	<8	<2	<2	61	<.2	<3	3	50	1.05	.050	5	89	1.17	98	.14	<3	1.22	.16	.10	<2
1AR 419	2	36	<3	39	<.3	49	14	344	2.13	2	<8	<2	<2	109	<.2	<3	<3	35	1.18	.057	7	97	.93	150	.11	<3	.99	.04	.20	<2
1AR 420	2	56	<3	52	<.3	70	19	483	2.57	5	<8	<2	<2	61	<.2	<3	<3	37	.71	.069	10	103	1.32	30	.11	4	1.44	.04	.05	<2
1AR 421	2	216	<3	121	<.3	33	71	1105	6.18	3	<8	<2	<2	49	.2	<3	10	81	1.15	.040	1	38	.88	81	.21	<3	1.52	.03	.12	<2
1AR 422	2	173	9	89	<.3	39	29	749	6.89	5	<8	<2	2	22	<.2	<3	3	194	1.39	.083	12	94	1.36	37	.52	<3	2.34	.29	.09	<2
1AR 423	<1	41	<3	33	<.3	37	30	884	4.03	<2	<8	<2	<2	23	<.2	<3	3	98	3.65	.024	2	154	1.87	15	.19	<3	2.13	.06	.02	<2
1AR 424	1	70	<3	27	<.3	28	17	252	2.06	2	<8	<2	<2	41	.2	<3	<3	43	.67	.077	13	70	1.05	22	.13	<3	1.00	.06	.04	<2
1AR 425	1	18	<3	1	<.3	36	13	569	.27	24	<8	<2	3	144	<.2	<3	<3	9	8.36	.076	17	43	.07	63	.06	5	.11	.01	.02	<2
STANDARD C3	25	64	34	164	5.2	36	11	758	3.26	55	21	3	21	29	22.2	21	22	78	.55	.086	18	168	.59	157	.09	21	1.95	.04	.17	16
STANDARD G-2	2	4	4	42	<.3	7	3	524	2.00	<2	<8	<2	4	74	<.2	<3	4	41	.63	.095	8	76	.60	240	.12	<3	1.01	.08	.49	3

Sample type: PULP. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



GEOCHEMICAL ANALYSIS CERTIFICATE



MacGregor, R.A. File # 9800653

28 Ford St., Sault Ste. Marie ON P6A 4N4

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
1AR 383	1	4	3	49	<.3	17	9	128	.99	2	<8	<2	<2	6	<.2	<3	4	32	.30	.039	7	350	1.30	8	.08	3	.93	.04	.01	<2
1AR 384	6	41	<3	485	.6	19	18	452	2.57	4	<8	<2	2	2	3.1	<3	3	56	.04	.017	8	516	.90	42	.18	<3	1.09	.04	.93	<2
1AR 385	1	146	5	188	.9	1493	100	791	4.12	3	<8	<2	<2	23	.8	<3	9	57	.70	.011	1	2448	2.06	8	.19	3	2.05	.02	.03	<2
1AR 386	3	31	<3	46	.3	41	19	376	3.67	4	<8	<2	<2	93	.2	<3	<3	42	1.47	.061	8	73	1.35	92	.12	<3	1.37	.11	.22	<2
1AR 387	<1	259	<3	90	1.3	63	54	1001	11.26	<2	<8	<2	2	10	<.2	<3	<3	322	2.03	.051	11	44	5.52	24	.43	6	4.00	.04	.02	<2
1AR 388	3	31	4	7	<.3	17	3	118	1.63	14	<8	<2	5	2	<.2	<3	4	4	.11	.006	20	24	.10	30	<.01	5	.33	.04	.13	<2
1AR 389	1	48	<3	74	.6	185	42	963	5.94	2	<8	<2	<2	32	.3	<3	<3	58	1.21	.023	5	112	5.33	5	.14	<3	4.30	.03	.01	<2
1AR 390	1	181	5	83	.9	37	29	773	7.92	8	<8	<2	4	15	<.2	<3	<3	227	1.60	.102	15	21	1.44	18	.61	5	2.09	.13	.05	<2
1AR 392	<1	251	7	132	.8	62	40	1046	8.97	<2	<8	<2	3	33	.4	3	<3	192	2.57	.080	10	51	2.19	5	.61	3	3.09	.03	.01	<2
RE 1AR 392	<1	251	5	126	.4	60	38	998	8.62	<2	<8	<2	2	31	.4	5	3	187	2.51	.076	9	49	2.09	5	.60	3	2.94	.02	.01	<2
1AR 393	1	76	<3	105	.7	138	40	1002	6.61	<2	<8	<2	<2	30	.2	<3	<3	108	1.79	.025	4	120	4.76	7	.18	4	3.78	.09	.02	<2
1AR 394	3	83	9	35	.8	471	52	612	4.05	<2	<8	<2	<2	20	.2	<3	7	51	.97	.013	2	1416	4.45	4	.09	4	2.92	.06	.03	<2
1AR 395	16	48	<3	29	<.3	75	15	534	2.89	2	<8	<2	<2	28	<.2	<3	3	61	1.81	.026	3	133	1.10	13	.21	3	1.32	.07	.06	<2
1AR 396	3	65	3	36	<.3	442	32	858	3.28	2	<8	<2	<2	87	<.2	<3	3	60	3.38	.025	3	388	3.63	43	.01	<3	1.27	.05	.03	<2
1AR 397	5	266	3	30	.4	48	13	248	2.91	5	<8	<2	<2	99	.2	<3	4	54	.70	.063	8	112	1.39	186	.15	3	1.43	.07	.30	<2
1AR 398	2	27	<3	61	.5	62	17	451	2.70	4	<8	<2	<2	99	<.2	<3	<3	38	.92	.072	12	96	1.40	40	.15	3	1.54	.06	.09	<2
STANDARD C3	25	65	37	161	5.9	39	12	765	3.46	55	15	<2	18	30	23.5	12	24	82	.60	.090	19	168	.62	150	.10	21	1.91	.04	.17	18
STANDARD G-2	1	3	4	43	.3	8	4	521	2.02	3	<8	<2	5	72	<.2	<3	<3	42	.67	.096	10	79	.60	221	.14	3	.95	.08	.46	2

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.

THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.

- SAMPLE TYPE: PULP Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: FEB 27 1998 DATE REPORT MAILED: Mar 5/98 SIGNED BY: *[Signature]* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Sample description	AU PPB	AG PPM	AS PPM	BA PPM	BR PPM	CA %	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPM	IR PPB	MO PPM	NA %	NI PPM	RB PPM	SB PPM	SC PPM	SE PPM	SN %	SR %	TA PPM	TH PPM
INA 124	<5	<5	6	440	5	11	9	20	<2	7.32	5	<1	<5	<5	0.08	<50	<30	0.6	16	<5	<0.01	0.66	1	8.3
INA 125	520	<5	23	240	<1	1	<5	21	<2	2.85	5	<1	<5	<5	5.05	<50	<30	0.7	5.7	<5	<0.01	<0.05	<1	6.3

Sample description	U PPM	W PPM	ZN PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM	Mass g
INA 124	1.4	<4	<50	46	77	29	6.4	2.2	0.7	2.4	0.41	48.67
INA 125	<0.5	12	<50	42	71	29	5.0	1.0	<0.5	3.1	0.44	39.54

Sample description	AU PPB	AG PPM	AS PPM	BA PPM	BR PPM	CA %	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPM	IR PPB	MO PPM	NA %	NI PPM	RB PPM	SB PPM	SC PPM	SE PPM	SN %	SR %	TA PPM	TH PPM
INA 86	<5	<5	<2	260	<1	<1	<5	16	<2	3.82	3	<1	<5	<5	3.17	<50	81	0.3	2.4	<5	<0.01	<0.05	<1	5.5
INA 87	<5	<5	<2	240	1	<1	<5	440	7	0.87	7	<1	<5	<5	2.20	<50	390	<0.2	0.8	<5	<0.01	<0.05	11	87
INA 94	22	<5	<2	1000	<1	<1	<5	13	<2	1.40	3	<1	<5	40	3.17	<50	55	0.3	1.7	<5	<0.01	<0.05	<1	5.7
INA 95	<5	<5	<2	370	<1	3	53	830	<2	4.78	<1	<1	<5	<5	<0.05	1100	58	0.7	6.9	<5	<0.01	<0.05	<1	0.8
INA 96	5	<5	<2	150	<1	5	71	1300	<2	4.76	<1	<1	<5	<5	<0.05	1400	<30	0.3	9.8	<5	<0.01	<0.05	<1	<0.5
INA 97	13	<5	<2	140	<1	6	54	810	2	5.68	1	<1	<5	17	0.06	710	74	0.4	18	<5	<0.01	<0.05	<1	3.7
INA 98	329	<5	<2	510	<1	3	29	83	<2	6.11	2	<1	<5	<5	0.27	91	91	0.6	21	<5	<0.03	0.05	<1	4.5
INA 99	182	<5	3	190	<1	6	32	600	<2	4.69	1	<1	<5	150	0.38	380	100	0.7	17	<5	<0.01	<0.05	<1	2.3
INA 126	<5	<5	3	450	<1	3	52	840	5	6.40	2	<1	<5	<5	1.30	520	120	0.4	20	<5	<0.01	<0.05	<1	4.7
INA 127	<5	<5	<2	1200	<1	<1	<5	16	<2	0.91	2	<1	<5	<5	4.60	<50	<30	0.2	1.3	<5	<0.01	0.08	<1	2.5
INA 128	<5	<5	2	590	<1	5	82	2000	<2	5.40	<1	<1	<5	<5	<0.05	1300	<30	<0.2	8.9	<5	<0.01	0.06	<1	<0.5
INA 129	6	<5	<2	890	<1	<1	<5	12	<2	0.86	2	<1	<5	<5	3.80	<50	35	0.2	1.2	<5	<0.01	<0.05	<1	2.1
INA 130	<5	<5	<2	2000	<1	<1	36	410	8	6.36	5	<1	<5	<5	1.80	140	180	0.6	21	<5	<0.01	<0.05	<1	9.8
INA 131	<5	<5	<2	290	<1	5	32	49	<2	6.71	2	<1	<5	<5	1.85	<50	<30	<0.2	27	<5	<0.01	<0.05	<1	0.9
INA 132	<5	<5	<2	420	<1	5	30	24	<2	5.97	2	<1	<5	<5	2.44	<50	<30	<0.2	31	<5	<0.01	<0.05	<1	0.9
INA 133	<5	<5	<2	550	<1	4	35	22	<2	7.60	<1	<1	<5	<5	2.68	<50	<30	<0.2	35	<5	<0.01	<0.05	<1	<0.5
INA 134	<5	<5	<2	<100	<1	5	41	28	<2	8.48	2	<1	<5	<5	1.67	<50	35	<0.2	37	<5	<0.01	<0.05	<1	<0.5
INA 135	13	<5	<2	190	<1	6	47	590	<2	4.96	1	<1	<5	8	0.28	760	<30	0.3	12	<5	<0.01	<0.05	<1	1.7
INA 136	428	<5	<2	870	<1	<1	<5	15	<2	1.39	3	<1	<5	38	3.13	<50	35	0.2	1.6	<5	<0.01	<0.05	<1	4.9
INA 137	44	<5	2	680	<1	<1	<5	14	<2	1.05	2	<1	<5	<5	4.18	<50	37	0.3	1.4	<5	<0.01	<0.05	<1	2.7
INA 138	123	<5	<2	890	<1	<1	<5	23	<2	1.17	2	<1	<5	<5	3.67	<50	46	<0.2	1.7	<5	<0.01	<0.05	<1	2.6
INA 139	<5	<5	14	<100	<1	<1	86	2400	<2	4.85	<1	<1	<5	<5	<0.05	1600	<30	1.0	7.0	<5	<0.01	<0.05	<1	<0.5
INA 140	6	<5	<2	<100	<1	<1	23	440	<2	3.50	2	<1	<5	<5	5.12	170	<30	<0.2	11	<5	<0.01	<0.05	<1	1.1
INA 141	7	<5	4	220	<1	3	31	170	<2	7.23	2	<1	<5	<5	1.44	92	32	0.4	36	<5	<0.01	<0.05	<1	<0.5
INA 142	164	<5	3	360	<1	2	19	230	<2	3.97	2	<1	<5	47	3.38	<50	<30	0.5	13	<5	<0.01	<0.05	<1	2.2
INA 143	6	<5	<2	1300	<1	2	35	340	7	6.43	4	<1	<5	<5	1.86	<50	150	0.5	22	<5	<0.01	<0.05	<1	8.8
INA 144	<5	<5	43	610	<1	6	35	530	8	7.80	3	<1	<5	<5	1.66	<50	160	0.9	28	<5	<0.01	0.07	<1	4.6
INA 145	101	<5	19	340	<1	<1	5	11	<2	2.02	5	<1	<5	<5	2.19	<50	81	0.6	6.3	<5	<0.01	<0.05	2	7.6
INA 146	65	<5	15	230	<1	3	6	12	<2	2.92	4	<1	<5	<5	2.34	<50	44	0.5	4.9	<5	<0.01	<0.05	1	6.7
INA 147	5	<5	<2	690	<1	3	36	510	3	5.97	4	<1	<5	<5	2.94	160	84	<0.2	22	<5	<0.01	0.11	<1	5.4
INA 148	228	<5	3	1500	<1	<1	15	47	2	4.02	9	<1	<5	24	4.22	<50	57	0.7	5.8	<5	<0.01	<0.05	2	32

Sample description	U PPM	W PPM	ZN PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM	Mass g
INA 86	2.1	<4	<50	26	41	10	1.6	0.6	<0.5	0.3	0.05	44.19
INA 87	7.8	23	51	15	36	<5	3.3	0.4	1.1	6.9	1.04	41.04
INA 94	1.0	11	<50	29	51	17	2.7	0.6	<0.5	0.4	<0.05	39.36
INA 95	1.1	<4	137	4	8	<5	0.6	0.2	<0.5	<0.2	<0.05	31.85
INA 96	<0.5	<4	91	1	<3	<5	0.3	<0.2	<0.5	0.5	0.07	29.80
INA 97	<0.5	<4	235	32	71	27	5.1	1.2	<0.5	1.1	0.22	30.80
INA 98	<0.5	7	128	34	72	28	5.9	1.7	<0.5	2.5	0.36	38.91
INA 99	<0.5	5	139	16	36	11	2.8	0.8	<0.5	1.3	0.13	36.74
INA 126	1.2	<4	<50	35	68	26	5.5	1.6	0.6	1.7	0.29	31.77
INA 127	1.9	<4	<50	10	18	6	1.2	0.4	<0.5	0.3	<0.05	42.36
INA 128	<0.5	<4	79	3	8	<5	0.6	0.3	<0.5	0.5	0.10	30.17
INA 129	<0.5	<4	<50	10	19	7	1.4	0.5	<0.5	0.3	<0.05	46.38
INA 130	4.1	<4	158	71	130	64	14	3.0	1.4	2.0	0.34	35.55
INA 131	<0.5	<4	<50	9	18	8	2.1	0.8	<0.5	2.1	0.31	38.91
INA 132	<0.5	<4	<50	5	11	<5	1.5	0.7	<0.5	1.9	0.27	36.62
INA 133	<0.5	<4	<50	4	12	13	1.8	0.6	<0.5	1.8	0.29	39.16
INA 134	<0.5	<4	63	5	11	5	1.8	0.6	0.5	2.3	0.38	34.39
INA 135	<0.5	6	145	14	31	15	2.7	1.1	<0.5	1.4	0.18	30.75
INA 136	1.2	10	<50	28	55	16	2.6	0.7	<0.5	0.3	<0.05	35.97
INA 137	1.5	<4	<50	11	23	6	1.3	0.4	<0.5	<0.2	<0.05	36.36
INA 138	1.8	<4	<50	13	24	8	1.6	0.4	<0.5	0.3	0.07	35.88
INA 139	<0.5	<4	92	<1	<3	<5	0.2	<0.2	<0.5	0.3	<0.05	34.19
INA 140	<0.5	<4	<50	8	15	8	1.3	0.5	<0.5	0.9	0.13	35.59
INA 141	<0.5	<4	<50	5	16	9	2.6	1.0	0.6	4.0	0.56	34.33
INA 142	<0.5	<4	<50	19	40	19	3.1	0.9	<0.5	1.0	0.17	36.12
INA 143	<0.5	<4	85	67	140	62	10	2.9	1.0	2.0	0.32	30.27
INA 144	<0.5	<4	118	42	80	42	8.6	2.3	<0.5	2.0	0.37	37.78
INA 145	1.2	<4	<50	40	84	28	4.9	1.0	0.6	2.8	0.35	36.23
INA 146	1.4	<4	<50	34	69	21	4.4	1.2	0.8	3.3	0.52	39.08
INA 147	0.9	<4	107	36	83	35	8.8	2.6	<0.5	2.1	0.27	35.39
INA 148	8.4	10	<50	70	110	41	9.5	2.2	<0.5	1.4	0.25	40.23

Sample description	AU PPB	AG PPM	AS PPM	BA PPM	BR PPM	CA %	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPM	IR PPB	MO PPM	NA %	NI PPM	RB PPM	SB PPM	SC PPM	SE PPM	SN %	SR %	TA PPM	TH PPM
INA 58	56	<5	1	<100	<1	<1	<5	19	<2	0.68	<1	<1	<5	<5	<0.05	<50	<30	0.1	0.4	<5	<0.05	<0.1	<1	<0.2
INA 59	81	<5	1	<100	<1	5	10	26	<2	3.08	4	<1	<5	<5	1.13	<50	<30	0.2	14.0	<5	<0.05	<0.1	<1	2.0
INA 67	<5	<5	12	<100	7	<1	58	67	<2	3.68	<1	<1	<5	14	0.98	<50	<30	0.5	3.5	<5	<0.05	<0.1	<1	1.4
INA 68	<5	<5	<1	<100	4	2	9	65	<2	3.45	<1	<1	<5	10	<0.05	<50	<30	0.3	8.9	<5	<0.05	<0.1	<1	0.2
INA 84	<5	<5	146	400	<1	1	85	29	4	4.16	3	<1	<5	<5	3.40	<50	460	0.2	7.0	<5	<0.05	<0.1	<1	7.3
INA 85	<5	<5	2	280	<1	2	19	24	8	7.66	4	<1	<5	<5	3.22	105	549	<0.1	12.2	<5	<0.05	<0.1	<1	22.2
INA 184	<5	<5	39	850	<1	4	85	283	<2	7.32	4	<1	<5	107	2.66	323	43	0.6	23.0	<5	<0.05	<0.1	<1	9.4
INA 201	<5	<5	7	330	<1	<1	<5	18	<2	0.75	3	<1	<5	5	0.07	<50	80	0.7	1.5	<5	<0.05	<0.1	1	5.6
INA 202	<5	<5	5	<100	<1	7	47	183	<2	10.5	3	<1	<5	<5	2.29	<50	<30	0.5	47.9	<5	<0.05	<0.1	1	0.4
INA 203	<5	<5	<1	1300	2	<1	<5	11	<2	0.90	1	<1	<5	<5	1.49	<50	65	0.2	0.7	<5	<0.05	<0.1	<1	1.1
INA 208	<5	<5	<1	640	3	1	<5	26	<2	1.28	3	<1	<5	7	3.73	<50	63	<0.1	2.1	<5	<0.05	<0.1	<1	3.3
INA 297	<5	<5	2	760	<1	2	12	403	<2	0.84	3	<1	<5	<5	2.17	<50	45	0.2	6.8	<5	<0.05	<0.1	<1	2.4
INA 1402	<5	<5	<1	690	<1	<1	12	21	8	3.12	5	<1	<5	<5	0.30	<50	322	<0.1	11.9	<5	<0.05	<0.1	<1	1.9
INA 10455	23	<5	<1	320	<1	4	18	179	<2	4.03	2	<1	<5	<5	3.44	<50	<30	0.4	12.7	<5	<0.05	<0.1	<1	1.0
INA 36059	<5	<5	38	<100	<1	1	79	1030	<2	4.32	<1	<1	<5	<5	<0.05	1980	<30	2.0	5.3	<5	<0.05	<0.1	<1	<0.2
INA 36060	85	<5	53	<100	<1	2	88	1230	<2	4.36	<1	<1	<5	<5	<0.05	2290	<30	2.3	5.9	<5	<0.05	<0.1	<1	<0.2
INA 36097	22	<5	3	2100	<1	1	<5	35	<2	1.31	3	<1	<5	6	3.35	<50	66	0.4	1.8	<5	<0.05	<0.1	<1	4.2
INA 36098	<5	<5	<1	400	<1	8	32	335	<2	5.35	3	<1	<5	<5	0.87	194	121	1.5	23.6	<5	<0.05	<0.1	<1	5.0
INA 36532	8	<5	<1	400	<1	5	43	350	<2	8.04	3	<1	<5	<5	3.10	<50	<30	<0.2	50.5	<5	<0.05	<0.1	<1	0.5
INA 36708	35	<5	3	1000	<1	2	7	110	<2	2.97	3	<1	<5	<5	3.85	<50	53	0.4	4.1	<5	<0.05	<0.1	<1	4.3
INA 36682	21	<5	2	420	<1	7	53	1030	4	5.83	1	<1	<5	239	1.83	547	73	0.4	21.8	<5	<0.05	<0.1	<1	1.5
INA 36688	<5	<5	<1	190	<1	8	39	155	<2	6.94	2	<1	<5	<5	1.22	<50	<30	0.3	33.0	<5	<0.05	<0.1	<1	<0.2
INA 36692	<5	<5	<1	220	<1	7	44	62	<2	7.66	2	<1	<5	<5	2.34	<50	<30	0.4	36.1	<5	<0.05	<0.1	<1	0.5
INA 36755	<5	<5	<1	2500	<1	6	32	660	5	5.59	5	<1	<5	<5	2.72	<50	103	0.1	20.2	<5	<0.05	<0.1	<1	7.3
INA 36903	58	<5	6	<100	<1	5	42	43	<2	8.79	2	<1	<5	<5	1.69	<50	<30	0.3	35.7	<5	<0.05	<0.1	<1	0.8
INA5	<5	<5	<1	<100	<1	2	39	696	<2	5.68	2	<1	<5	<5	1.46	362	<30	0.5	22.1	<5	<0.05	<0.1	<1	1.1
INA6	6	<5	11	210	<1	<1	43	528	<2	6.05	3	<1	<5	<5	2.70	410	<30	0.5	24.1	<5	<0.05	<0.1	<1	1.5
INA7	7	<5	<1	<100	<1	7	110	1570	<2	6.69	<1	<1	<5	<5	0.06	2610	<30	0.3	12.5	<5	<0.05	<0.1	<1	<0.2
INA8	<5	<5	12	180	<1	3	32	323	<2	5.70	3	<1	<5	<5	2.40	173	46	<0.1	21.6	<5	<0.05	<0.1	<1	1.5
INA9	<5	<5	5	380	<1	2	18	131	<2	3.73	6	<1	<5	5	3.46	<50	62	0.6	15.3	<5	<0.05	<0.1	<1	7.0
INA10	<5	<5	<1	<100	<1	<1	8	71	<2	1.52	5	<1	<5	<5	7.18	<50	<30	<0.2	12.6	<5	<0.05	<0.1	<1	3.4
INA11	<5	<5	9	660	<1	5	75	75	7	9.90	6	<1	<5	<5	2.07	138	35	0.8	33.6	<5	<0.05	<0.1	1	5.2
INA12	8	<5	15	610	<1	4	17	94	<2	3.50	6	<1	<5	<5	2.87	<50	<30	0.7	11.0	<5	<0.05	<0.1	<1	10.1
INA 149	5	<5	<1	<100	<1	<1	65	292	<2	10.8	3	<1	<5	<5	1.63	<50	35	<0.1	50.3	<5	<0.05	<0.1	<1	<0.2

Sample description	U PPM	W PPM	ZN PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM	Mass g
INA 58	<0.5	<4	<50	<1	<3	<5	0.1	<0.2	<0.5	<0.2	<0.05	38.38
INA 59	0.6	<4	127	10	23	9	2.5	0.6	<0.5	1.5	0.25	32.26
INA 67	1.2	<4	<50	32	49	26	4.5	1.1	<0.5	0.8	0.12	33.84
INA 68	<0.5	<4	<50	7	15	6	1.4	0.6	<0.5	0.8	0.11	35.37
INA 84	0.7	14	56	52	72	25	4.0	0.6	<0.5	0.6	0.09	37.22
INA 85	<0.5	20	125	194	279	102	16.4	4.0	<0.5	1.4	0.20	38.37
INA 184	2.7	<4	3610	75	132	57	11.4	4.6	<0.5	2.8	0.40	34.01
INA 201	2.0	<4	<50	15	32	11	2.8	0.4	<0.5	2.4	0.35	33.44
INA 202	<0.5	<4	108	7	19	13	4.0	1.4	<0.5	4.5	0.67	38.29
INA 203	<0.5	<4	<50	5	10	<5	0.7	0.2	<0.5	<0.2	<0.05	34.65
INA 208	1.4	<4	<50	11	19	7	1.1	0.4	<0.5	0.4	0.06	34.84
INA 297	0.6	<4	<50	9	24	10	3.0	0.9	<0.5	0.7	0.11	35.10
INA 1402	<0.5	<4	<50	15	32	12	2.8	0.8	<0.5	1.0	0.15	28.06
INA 10455	<0.5	<4	<50	8	16	8	1.9	0.6	<0.5	0.8	0.12	35.81
INA 36059	<0.5	<4	<50	<1	<3	<5	0.2	<0.2	<0.5	<0.2	<0.05	33.87
INA 36060	<0.5	<4	<50	<1	<3	<5	<0.1	<0.2	<0.5	<0.2	<0.05	32.38
INA 36097	0.9	<4	<50	18	32	11	2.0	0.6	<0.5	0.2	<0.05	31.42
INA 36098	<0.5	<4	86	34	69	29	7.2	1.8	<0.5	1.9	0.26	32.21
INA 36532	<0.5	<4	167	7	21	10	5.1	1.5	1.3	4.9	0.77	34.43
INA 36708	1.6	<4	81	24	46	14	2.9	0.9	<0.5	0.6	0.10	34.85
INA 36682	<0.5	<4	82	13	32	12	2.6	0.9	<0.5	1.3	0.19	34.74
INA 36688	<0.5	<4	56	5	12	6	2.8	1.0	<0.5	2.0	0.30	30.99
INA 36692	<0.5	<4	<50	4	11	<5	2.0	0.8	<0.5	2.1	0.31	31.68
INA 36755	2.7	<4	54	51	95	37	7.9	2.3	<0.5	1.7	0.24	35.09
INA 36903	<0.5	<4	81	4	11	6	1.9	0.7	<0.5	2.0	0.31	34.85
INA5	<0.5	<4	96	8	19	7	2.0	0.8	<0.5	1.3	0.21	36.40
INA6	<0.5	<4	85	9	21	11	2.1	0.9	0.6	1.4	0.21	26.26
INA7	<0.5	<4	106	<1	<3	<5	0.6	<0.2	<0.5	0.6	0.09	35.37
INA8	0.9	<4	91	13	27	15	2.8	0.8	<0.5	1.4	0.28	33.12
INA9	1.7	<4	<50	28	55	20	4.3	1.0	<0.5	1.8	0.31	27.96
INA10	<0.5	<4	<50	101	161	67	9.6	2.8	2.7	4.2	0.62	29.63
INA11	<0.5	<4	108	25	54	21	5.8	1.8	0.7	3.7	0.54	32.76
INA12	4.0	<4	<50	31	58	20	4.2	1.3	<0.5	2.1	0.31	32.87
INA 149	<0.5	<4	155	3	8	<5	2.1	0.7	<0.5	3.0	0.48	27.51



ACCURASSAY LABORATORIES

A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2
THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 623-6448
FAX (807) 623-6820

Page 4

R.A. MAGREGOR
8 FORD ST.
SAULT STE MARIE, ONTARIO
P7A 4N4
FAX (705) 949-2427

Oct 24, 1997

Job# 9780002

Accurassay	SAMPLE # Customer	Gold ppb	Gold Oz/t	
	86	36550	115	0.003
	87	36757	<5	<0.001
	88	36758	6	<0.001
	89	46901	<5	<0.001
	90	46902	<5	<0.001
	91 Check	46902	<5	<0.001
	92	46851	60	0.002
	93	46852	<5	<0.001
	94	46853	<5	<0.001
	95	55651	61	0.002
	96	55652	66	0.002
	97	55653	<5	<0.001
	98	46752	<5	<0.001
	99	46753	<5	<0.001
	100	46701	<5	<0.001
	101 Check	46701	<5	<0.001
	102	46702	13	<0.001
	103	46703	<5	<0.001
	104	46704	<5	<0.001
	105	46705	<5	<0.001
	106	46706	<5	<0.001
	107	46707	<5	<0.001
	108	46708	<5	<0.001
	109	46709	<5	<0.001
	110	46710	<5	<0.001
	111 Check	46710	<5	<0.001
	112	46711	<5	<0.001
	113	46712	<5	<0.001
	114	46713	<5	<0.001
	115	46801	<5	<0.001

Certified By: _____

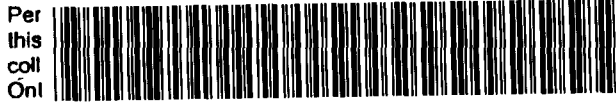




Declaration of Assessment Work Performed on Mining Land

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

Transaction Number (office use)
W9980.00350
Assessment Files Research Imaging



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 should be directed to the Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario.

41P11SE2017 2.19530 CHURCHILL 900

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

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

Name	<i>Skead Holdings Ltd.</i>	Client Number	<i>194597</i>
Address	<i>28 Ford St.</i>	Telephone Number	<i>705-949-4250</i>
	<i>Sault Ste Marie Ont P6A 4N4</i>	Fax Number	<i>705-949-2427</i>
Name		Client Number	
Address		Telephone Number	
		Fax Number	

RECORDED JUN 02 1999

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

<input checked="" type="checkbox"/> Geotechnical: prospecting, surveys, assays and work under section 18 (regs)	<input type="checkbox"/> Physical: drilling stripping, trenching and associated assays	<input type="checkbox"/> Rehabilitation
Work Type	<i>Magnetometer, Geological Surveys.</i>	
	Office Use	
	Commodity	
	Total \$ Value of Work Claimed	<i>9889</i>
Dates Work Performed	From <i>15 10 1997</i> To <i>28 05 1999</i>	NTS Reference
Global Positioning System Data (if available)	Township/Area <i>Churchill, Asquith</i>	Mining Division <i>Larder Lake</i>
	M or G-Plan Number <i>G-3210, G-3206</i>	Resident Geologist, District <i>Kirkland Lake</i>

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	<i>Robert MacGregor</i>	Telephone Number	<i>705-949-4250</i>
Address	<i>28 Ford St Sault Ste Marie Ont.</i>	Fax Number	<i>705-949-2427</i>
Name		Telephone Number	
Address		Fax Number	
Name		Telephone Number	
Address		Fax Number	

4. Certification by Recorded Holder or Agent

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

Signature of Recorded Holder or Agent	<i>[Signature]</i>	Date	<i>June 2/99</i>
Agent's Address		Telephone Number	
		Fax Number	

RECEIVED LARDER LAKE MINING DIVISION

JUN 8 1999

2.19530

RECEIVED JUN 23 10:06am GEOLOGY OF ASSESSMENT OFFICE

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.

109980.00350

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 L1203500	1	410 ✓			410
2 L1205547	1	620 ✓		150	470
3 L1206517	1	100 ✓			100
4 L1206518	5	3110 ✓		1110	2000
5 L1207520	1	820 ✓		420	400
6 L1217521	1	720 ✓		320	400
7 L1217898	1	-	400		
8 L1222246	1	-	400		
9 L1225096	3	-	1200		
10 L1225464	6	1734 ✓			1734
11 L1225465	14	585 ✓			585
12 L1225466	6	820 ✓			820
13 L1225524	2	50 ✓			50
14 L1226938	1	510 ✓			510
15 L1226987	2	410 ✓			410
Column Totals		9889	2000	2000	7889

I, Robert MacGregor (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 June 2/99

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)

RECEIVED
LARDER LAKE
MINING DIVISION

JUN 2 1999

2.55
2.19080

RECEIVED
JUN 2 1999
GEOLOGICAL ASSESSMENT
OFFICE



Statement of Costs for Assessment Credit

Transaction Number (office use) W9980.00350

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.

Table with 4 columns: Work Type, Units of work, Cost Per Unit of work, Total Cost. Rows include Geology survey, Magnetometer, Report, drafting maps, Analysis, sample prep, Associated Costs (white prints, photocopies, report covers), Transportation Costs (3600 km @ 40¢/km), Food and Lodging Costs (Motel-meals), and Total Value of Assessment Work (9889).

RECEIVED LARDER LINE MINING DIVISION

JUN 2 1999

Calculations of Filing Discounts:

- 1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work.

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

Note:

- Work older than 5 years is not eligible for credit.
- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification.

Certification verifying costs:

I, Robert Macbregor, do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying

Declaration of Work form as President I am authorized to make this certification.

RECEIVED JUN 03 1999 MINING DIVISION

Signature [Signature] Date June 2/99

2.18.00

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

July 30, 1999

R.A. MacGregor
SKEAD HOLDINGS LTD.
BOX 1110
28 FORD STREET
SAULT STE. MARIE, Ontario
P6A-4N4

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

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

Dear Sir or Madam:

Submission Number: 2.19530

Status

Subject: Transaction Number(s): W9980.00350 Approval

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

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

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

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

Yours sincerely,



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

Work Report Assessment Results

Submission Number: 2.19530

Date Correspondence Sent: July 30, 1999

Assessor: Lucille Jerome

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9980.00350	1203500	CHURCHILL, ASQUITH	Approval	July 30, 1999

Section:

12 Geological GEOL

14 Geophysical MAG

In all future assessment work submissions, please be more specific as to the dates worked in the field. If the information is not clear in the submission, you will be issued a 45 day to clarify your work dates.

NOTE: Future transportation mileage cost will be reduced to \$.30 per kilometre. The \$.30 rate is the set rate for OPAP submissions and is the allowable rate used for assessment work submissions unless you choose to file with total disclosure of the full costs incurred with supporting receipts. Only eligible costs will be allowed.

Correspondence to:

Resident Geologist
Kirkland Lake, ON

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

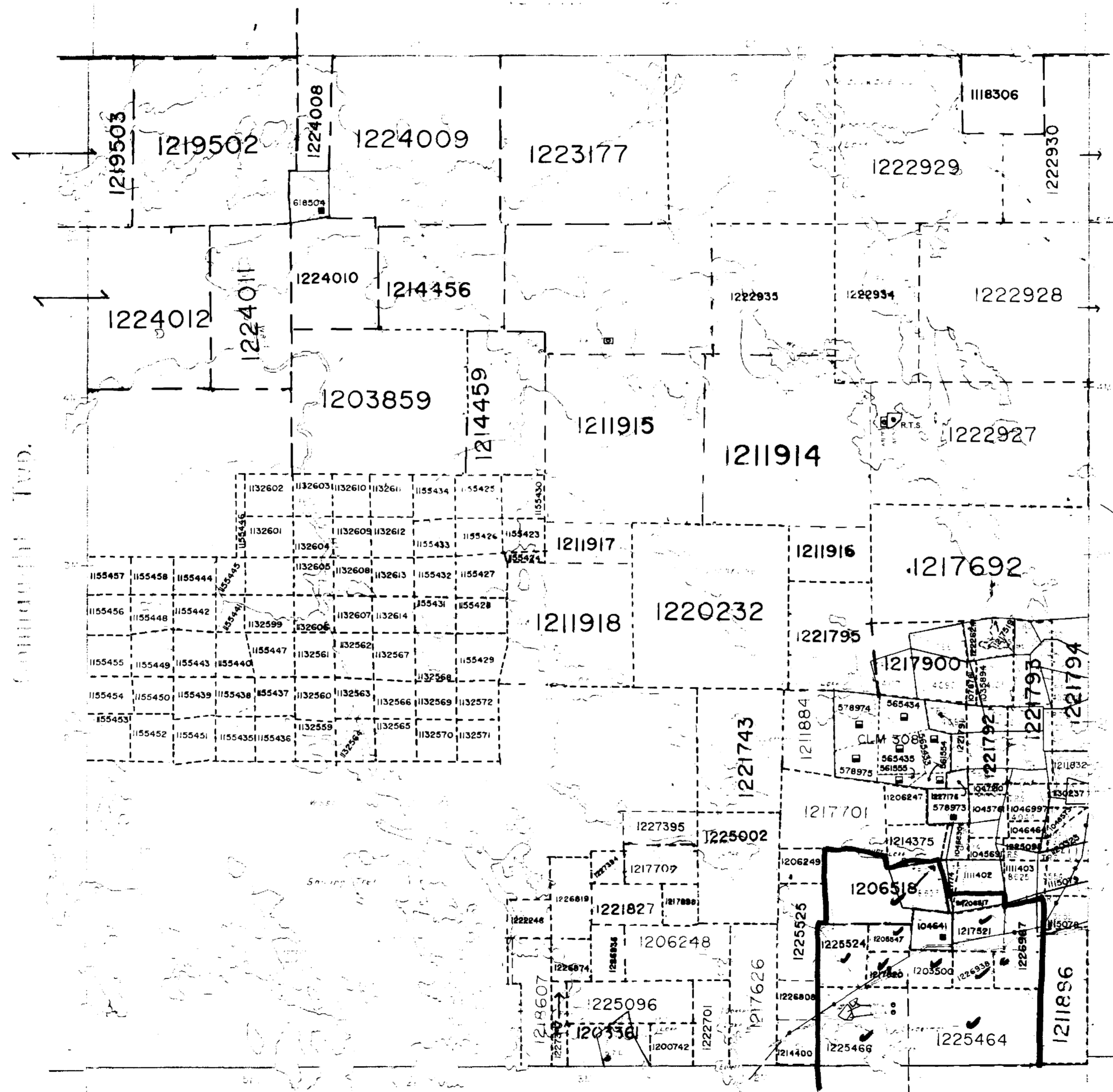
R.A. MacGregor
SKEAD HOLDINGS LTD.
SAULT STE. MARIE, Ontario

Assessment Files Library
Sudbury, ON

REFERENCES

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

Description	Order No.	Date	Disposition	File



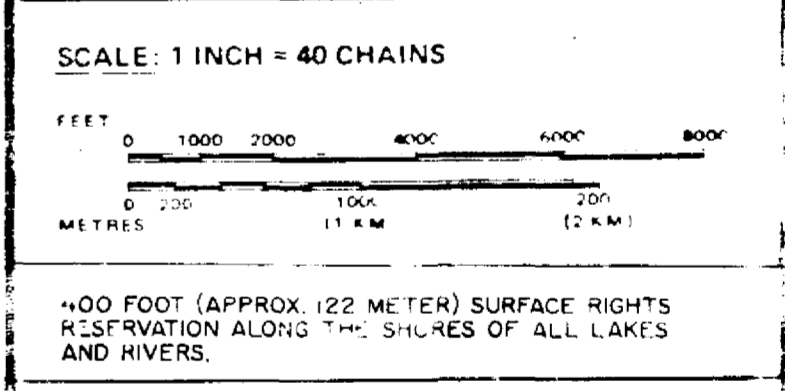
LEGEND

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

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LEASE, SURFACE & MINING RIGHTS	
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	
ORDER IN-COUNCIL	
RESERVATION	
CANCELLED	
SAND & GRAVEL	
REMOTE TOURIST SETUP	

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 1 1913 VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1910 CHAP. 380, SEC. 63, SUBSEC. 1



TOWNSHIP
CHURCHILL
 M.N.R. ADMINISTRATIVE DISTRICT
GOGAMA
 MINING DIVISION
LARDER LAKE
 LAND TITLES, REGISTRY DIVISION
SUDBURY

DATE OF ISSUE
 APR 28 1999
 PROVINCIAL RECORDING
 OFFICE - SUDBURY

Ministry of Natural Resources
 Land Management Branch
 Ontario

Date: FEBRUARY, 1985
 Number: G-3210

CIRCULATED DEC. 1, 1993.

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.

2.19530
 GEOL. MAG
 ARCHIVED JANUARY 9/96
 ARCHIVED DEC 5/95

G-3210

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. - MINING RIGHTS ONLY

S.R.O. - SURFACE RIGHTS ONLY

M.+S. - MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File
(R1) M.N.R. RESERVE			SRO	163003
(R2) M.N.R. RESERVE			SRO	163005
(R3) WASTE DISPOSAL	2/9/81	2/9/81	SRO	
(R4)	W9/81	28/8/81	SRO	188517
(R5) SFC 35 1990	W-L-2/96NFR	96JAN16	SRO	

APPLICATION FOR SURFACE RIGHTS
PENDING PUBLIC LAND ACT FEB. 12, 1988

SAND AND GRAVEL

- (G1) M.T.C. GRAVEL PIT NO. 3C-15
- (G2) M.T.C. GRAVEL PIT NO. 3C-14
- (G3) M.T.C. GRAVEL PIT NO. 3C-16

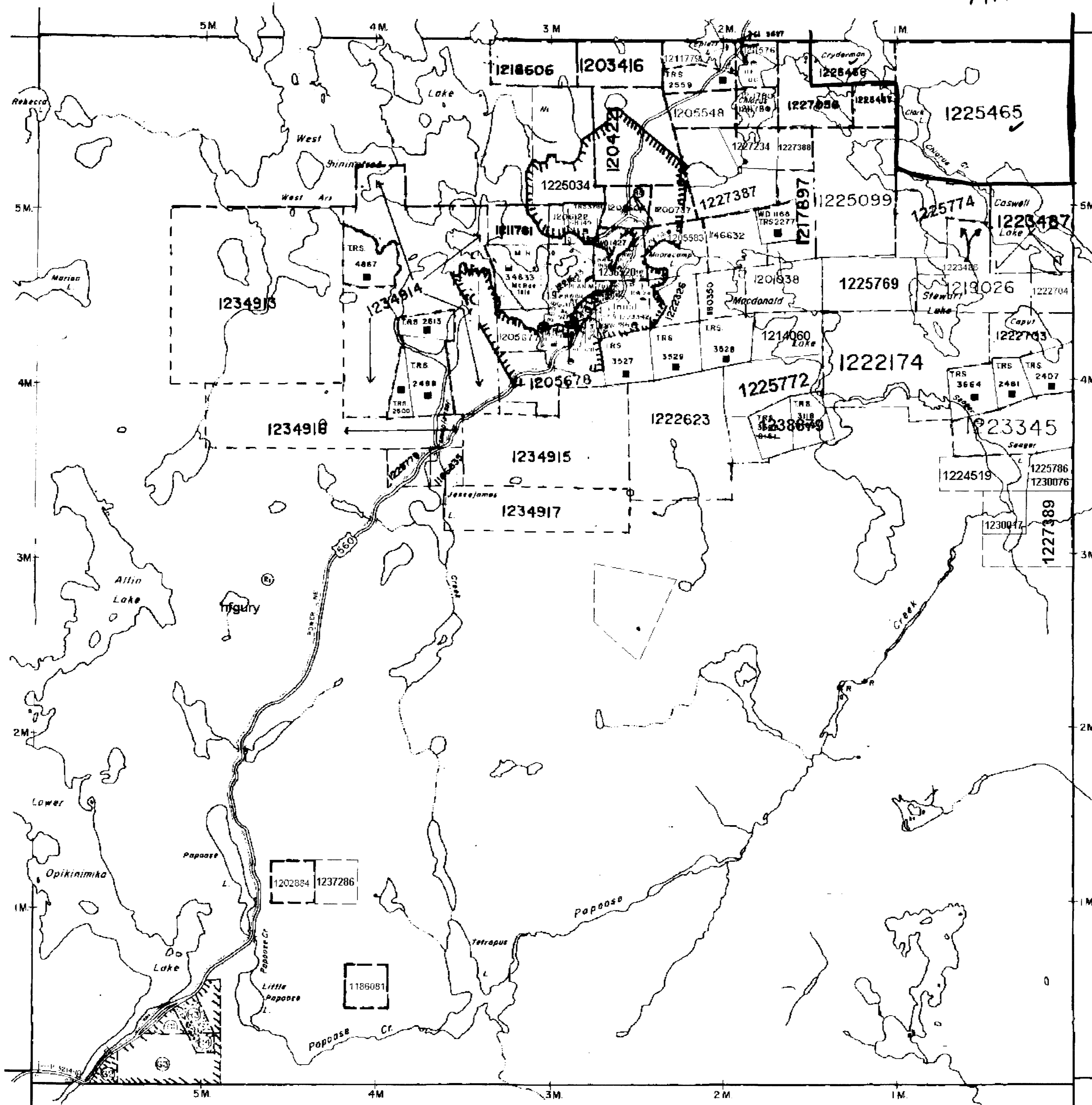
NOTICE OF FORESTRY ACTIVITY

THIS TOWNSHIP / AREA FALLS WITHIN THE
SHININGTREE MANAGEMENT UNIT
AND MAY BE SUBJECT TO FORESTRY OPERATIONS.
THE MNR UNIT FORESTER FOR THIS AREA CAN BE
CONTACTED AT: P.O. BOX 123
LOW AVENUE
GOGAMA, ONT.
POM IWO
705-894-2000

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.

COBALT RESIDENT GEOLOGIST

Churchill Twp.



Sheard Twp.

2.19530
GEOL.
MAG.

LEGEND

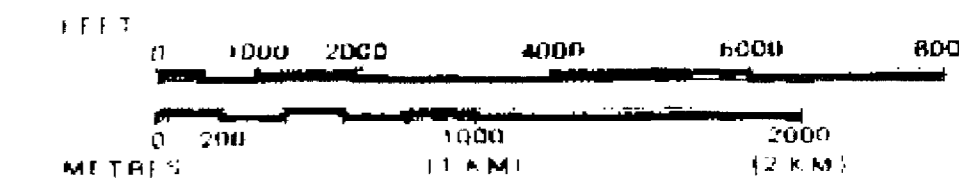
- HIGHWAY AND ROUTE NO.
- OTHER ROADS
- TRAILS
- SURVEYED LINES
- TOWNSHIPS, BASE LINES, ETC.
- LOTS, MINING CLAIMS PARCELS, ETC.
- UNSURVEYED LINES
- LOT LINES
- PARCEL BOUNDARY
- MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION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

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LEASE, SURFACE & MINING RIGHTS	
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	
ORDER IN COUNCIL	
RESERVATION	
CANCELLED	
SAND & GRAVEL	

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1910, CHAP. 300, SEC. 63, SUBSEC. 1.

SCALE: 1 INCH = 40 CHAINS



TOWNSHIP

ASQUITH

M.N.R. ADMINISTRATIVE DISTRICT

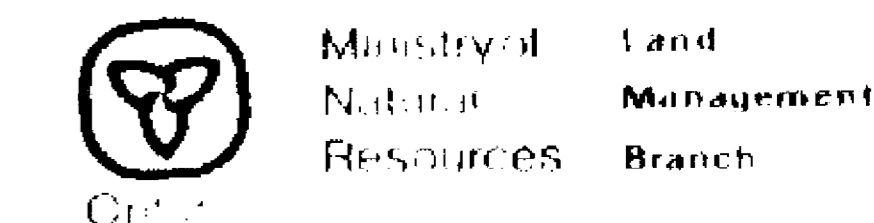
GOGAMA

MINING DIVISION

LARDER LAKE

LAND TITLES / REGISTRY DIVISION

SUDBURY



Date: FEBRUARY, 1985

CIRCULATED: JUNE 25/95 CM

Number:
G-3206

ARCHIVED JAN 2/97
ARCHIVED DEC 5/95

RECEIVED
JUL 13 1953
Geological Survey of Canada

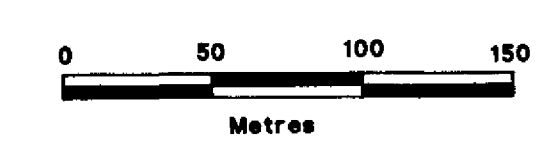
MAGNETOMETER SURVEY

CHURCHILL & ASQUITH TOWNSHIPS

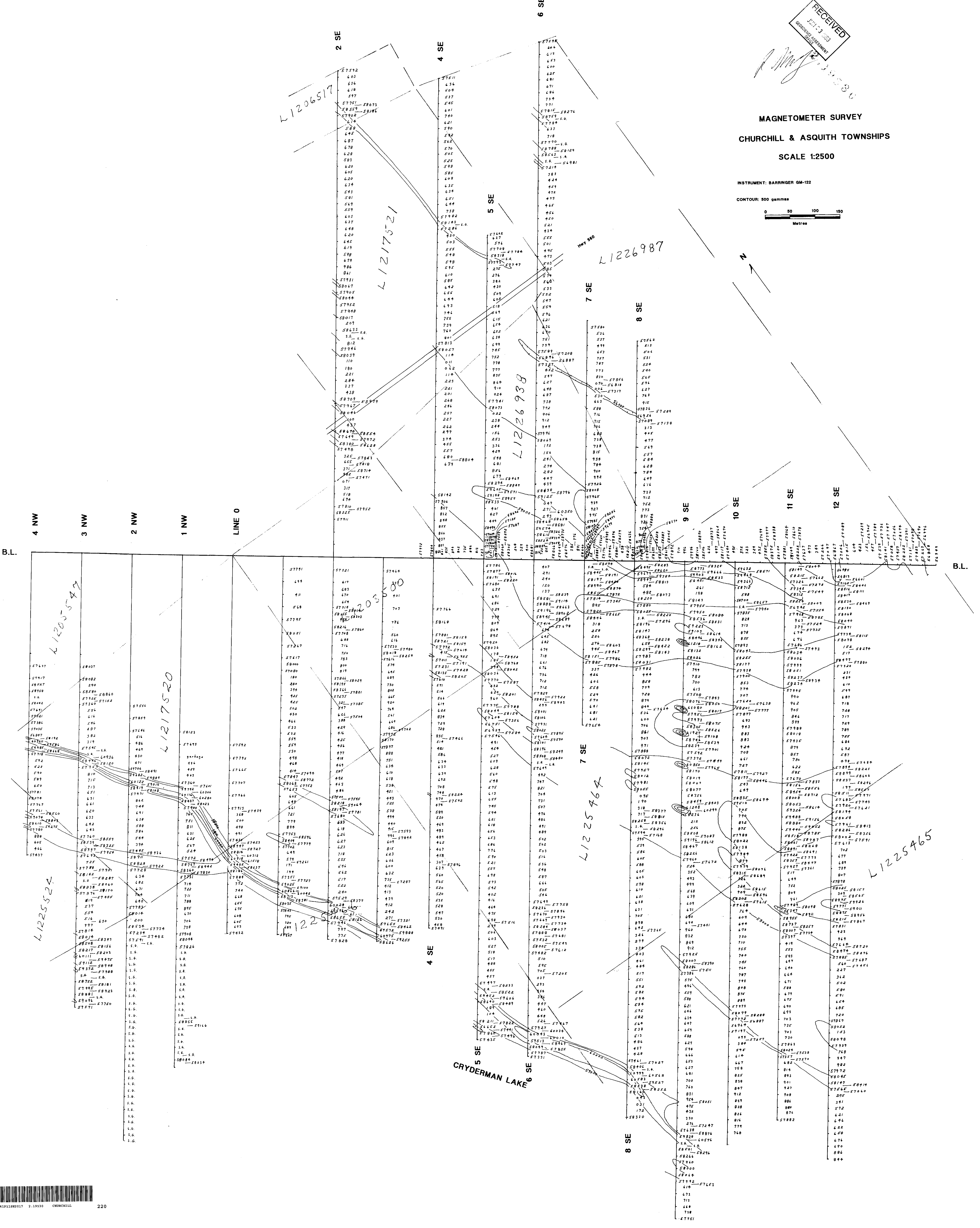
SCALE 1:2500

INSTRUMENT: BARRINGER GM-122

CONTOUR: 500 gammaes



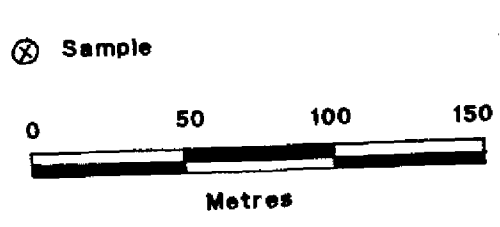
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JUN 13 1993
GEOSCIENCE ASSESSMENT
OFFICE

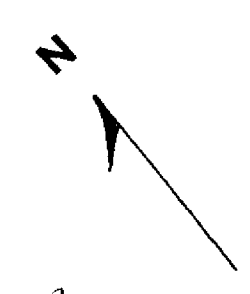
GEOLOGICAL SURVEY
NORTH PART
CHURCHILL & ASQUITH TOWNSHIPS

SCALE 1:2500



LEGEND

- 1 Basalt
- 2 Andesite
- 3 Rhyolite
- 4 Mafic Syenite
- 5 Gabbro
- 6 Diabase



PMG

