



41015SE0053 2.10509 SWAYZE

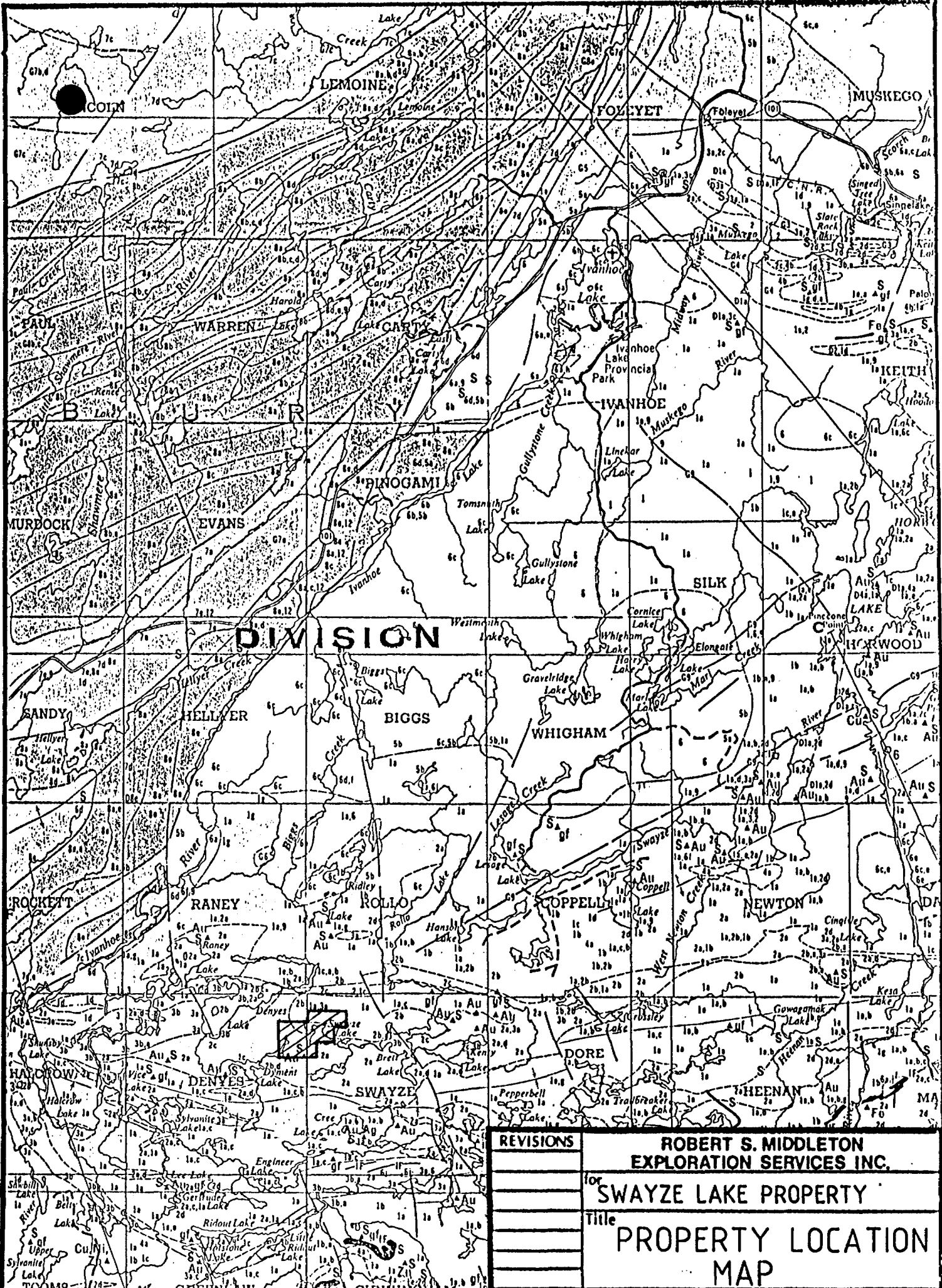
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Brief Report on the
Lithochemical Survey
Swayze and Denyes Townships
District of Cochrane
for
GLEN AUDEN RESOURCES LIMITED
by
R.K. Abernethy, B.A.Sc.
September, 1987

RECEIVED

NOV 05 1987

MINING LANDS SECTION



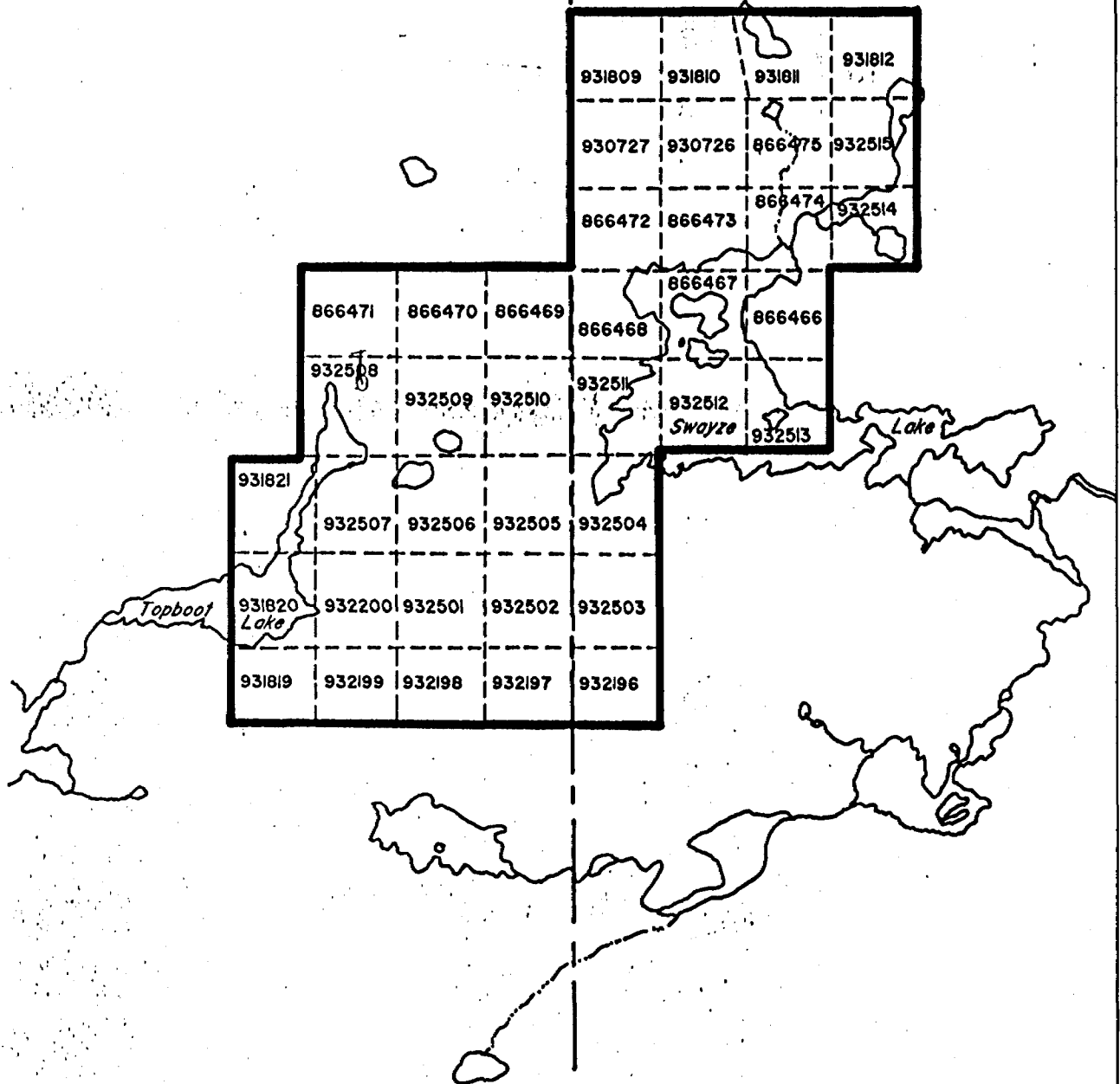
REVISIONS	ROBERT S. MIDDLETON EXPLORATION SERVICES INC.		
	for SWAYZE LAKE PROPERTY		
	Title		
	PROPERTY LOCATION MAP		
Date: March 87	Scale: 1"=4 miles	N.T.S.:	
Drawn:	Approved:	File: 11-202	

RANEY TWP.

ROCHE TWP.

DENYES TWP.

SWAYZE TWP.



REVISIONS	ROBERT S. MIDDLETON EXPLORATION SERVICES INC.		
	for	GLEN AUDEN RESOURCES LTD.	
	Title	Swayze Lake Property	
	CLAIM LOCATION MAP		
	Date: Jan. 1987	Scale: 1"=1/2 mile	N.T.S.:
	Drawn: C.G.	Approved:	File: M-202

BRIEF SUMMARY ON THE LITHOGEOCHEMICAL SURVEY
ON THE TOPBOOT LAKE PROPERTY

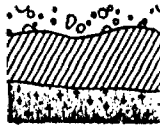
One hundred and forty rock samples were collected for analysis by the author and geologist H. Bent in June of 1987 on Glen Auden Resources Limited's Topboot Lake Property. Samples were collected where favourable alteration (quartz-carbonate-sericite schists, quartz-carbonate veins, pyritic wallrock etc.) was observed. Sample locations are shown on the accompanying sample location map. All samples were sent to Bondar-Clegg of Ottawa for Au + 33 trace element analysis (elements listed on invoices below). Results indicate erratic Au and trace element values with high Au in concentrate in two zones where old trenches expose quartz-carbonate veins and altered wallrock. Other anomalous zones are targeted for follow-up ground investigation.

Respectfully submitted

Robert K. Abernethy, B.A.Sc.

Bondar-Clegg & Company Ltd.

5420 Canotek Rd.,
Ottawa, Ontario,
Canada K1J 8X5
Phone: (613) 220-2220
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BONDAR-CLEGG

**Geochemical
Lab Report**

M202B

ROBERT S. MIDDLETON EXPL. SERV.

R. ABERNETHY

136 CEDAR ST. S.

BOX 1637

TIMMINS, ONT P4N 7W8

REPORT: 017-3015 (COMPLETE)

REFERENCE INFO:

CLIENT: ROBERT S. MIDDLETON EXPL. SERV.
 PROJECT: M-202-B

SUBMITTED BY: J. NEWSOME
 DATE PRINTED: 5-AUG-87

ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Na Sodium	77	0.05 PCT		Neutron Activation
2	Sc Scandium	77	0.5 PPM		Neutron Activation
3	Cr Chromium	77	50 PPM		Neutron Activation
4	Fe Iron	77	0.5 PCT		Neutron Activation
5	Co Cobalt	77	10 PPM		Neutron Activation
6	Ni Nickel	77	50 PPM		Neutron Activation
7	Zn Zinc	77	200 PPM		Neutron Activation
8	As Arsenic	77	1 PPM		Neutron Activation
9	Se Selenium	77	10 PPM		Neutron Activation
10	Br Bromine	77	1 PPM		Neutron Activation
11	Rb Rubidium	77	10 PPM		Neutron Activation
12	Zr Zirconium	77	500 PPM		Neutron Activation
13	Mo Molybdenum	77	2 PPM		Neutron Activation
14	Ag Silver	77	5 PPM		Neutron Activation
15	Cd Cadmium	77	10 PPM		Neutron Activation
16	Sn Tin	77	200 PPM		Neutron Activation
17	Sb Antimony	77	0.2 PPM		Neutron Activation
18	Te Tellurium	77	20 PPM		Neutron Activation
19	Cs Cesium	77	1 PPM		Neutron Activation
20	Ba Barium	77	100 PPM		Neutron Activation
21	La Lanthanum	77	5 PPM		Neutron Activation
22	Ce Cerium	77	10 PPM		Neutron Activation
23	Sm Samarium	77	0.1 PPM		Neutron Activation
24	Eu Europium	77	2 PPM		Neutron Activation
25	Tb Terbium	77	1 PPM		Neutron Activation
26	Yb Ytterbium	77	5 PPM		Neutron Activation
27	Lu Lutetium	77	0.5 PPM		Neutron Activation
28	Hf Hafnium	77	2 PPM		Neutron Activation
29	Ta Tantalum	77	1 PPM		Neutron Activation
30	W Tungsten	77	2 PPM		Neutron Activation
31	Ir Iridium	77	100 PPB		Neutron Activation
32	Au Gold	77	5 PPB		Neutron Activation
33	Th Thorium	77	0.5 PPM		Neutron Activation
34	U Uranium	77	0.5 PPM		Neutron Activation
35	WT Test Weight	77	0.01 g		

Bondar-Clegg & Company Ltd.

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BONDAR-CLEGG

**Geochemical
Lab Report**

REPORT: 017-3015 (COMPLETE)

REFERENCE INFO:

CLIENT: ROBERT S. MIDDLETON EXPL. SERV.

SUBMITTED BY: J. NEWSOME

PROJECT: M-202-B

DATE PRINTED: 5-AUG-87

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
ROCK	77	-200	77	CRUSH, PULVERIZE -200	75

REMARKS: < MEANS LESS THAN.

REPORT COPIES TO: R. ABERNETHY

INVOICE TO: R. ABERNETHY



REPORT: 017-3015

PROJECT: H-202-B

PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	Na PCT	Sc PPM	Cr PPM	Fe PCT	Co PPM	Ni PPM	Zn PPM	As PPM	Se PPM	Br PPM	Rb PPM	Zr PPM
HNO. 120905 DS-1		2.20	7.0	110	2.1	11	<50	<200	6	<10	<5	71	<500
HNO. 120906 DS-2		2.90	7.2	150	3.3	11	67	<200	3	<10	<5	71	<500
HNO. 120907 DS-3		3.50	7.1	110	2.2	<10	<50	<200	3	<10	<5	40	<500
HNO. 120908 DS-4		2.40	8.4	160	3.8	13	62	<200	2	<10	<5	50	<500
HNO. 120909 DS-5		2.20	10.0	190	3.2	<10	<50	<200	5	<10	<5	65	<500
HNO. 120910 DS-6		1.00	3.5	250	2.7	15	<50	<200	<1	<10	<5	28	<500
HNO. 120911 DS-7		3.70	13.0	210	4.1	15	110	<200	5	<10	<5	55	750
HNO. 120912 DS-8		3.80	6.9	160	2.2	17	<50	290	2	<10	<5	65	<500
HNO. 120913 DS-9		3.40	5.7	150	1.4	10	<50	<200	2	<10	<5	40	<500
HNO. 120914 DS-10		0.66	1.1	230	1.0	<10	<50	<200	3	<10	<5	<10	<500
HNO. 120915 DS-11		2.90	7.1	140	1.9	<10	<50	<200	1	<10	<5	84	<500
HNO. 120916 DS-12		0.52	4.4	270	1.2	<10	<50	<200	2	<10	<5	20	<500
HNO. 120917 DS-13		0.22	3.1	300	1.0	<10	<50	<200	2	<10	<5	<10	<500
HNO. 120918 DS-14		3.40	6.9	150	3.0	37	<50	<200	2	<10	<5	47	<500
HNO. 120919 DS-15		0.59	19.0	280	4.8	34	180	220	<1	<10	<5	53	<500
HNO. 120920 DS-16		0.92	14.0	250	3.8	19	65	<200	4	<10	<5	63	1200
HNO. 120921 DS-17		1.90	3.8	200	1.6	<10	<50	<200	2	<10	<5	30	<500
HNO. 120922 DS-18		0.51	1.1	340	0.6	<10	<50	<200	1	<10	<5	11	<500
HNO. 120923		3.10	7.8	160	3.2	12	<50	<200	1	<10	<5	44	<500
HNO. 120924		2.70	7.6	140	2.7	<10	<50	<200	3	<10	<5	45	<500
HNO. 120851		0.62	1.0	300	0.6	<10	<50	<200	1	<10	<5	11	<500
HNO. 120866		3.40	5.6	75	2.7	<10	<50	<200	4	<10	<5	39	<500
HNO. 120867		0.91	44.0	110	16.0	87	72	210	80	<10	<5	<10	<500
HNO. 120868		3.20	8.1	160	2.7	<10	<50	<200	14	<10	<5	56	660
HNO. 120869		3.50	5.7	66	2.7	<10	<50	<200	2	<10	<5	60	<500
HNO. 120870		0.31	4.0	280	3.1	<10	<50	1900	<1	<10	<5	25	780
HNO. 120871		2.70	7.9	140	2.8	<10	<50	<200	1	<10	<5	64	<500
HNO. 120872		3.20	7.4	150	2.2	<10	<50	<200	2	<10	<5	56	<500
HNO. 120873		2.60	6.1	140	1.9	<10	<50	<200	<1	<10	<5	47	<500
HNO. 120874		3.40	7.3	130	2.4	11	<50	<200	2	<10	<5	49	<500
HNO. 120875		4.40	5.8	93	2.8	11	<50	<200	2	<10	<5	<10	<500
HNO. 120876		2.70	6.0	100	2.3	<10	<50	<200	4	<10	<5	49	<500
HNO. 120877		3.50	6.0	72	2.4	13	<50	<200	7	<10	<5	54	<500
HNO. 120878		3.50	5.7	87	2.7	<10	<50	<200	7	<10	<5	63	<500
HNO. 120879		3.90	8.1	100	3.1	<10	<50	<200	<1	<10	<5	49	<500
HNO. 120880		3.50	8.4	170	3.3	49	<50	<200	4	<10	<5	61	<500
HNO. 120881		4.20	9.3	130	2.5	22	59	<200	2	<10	<5	40	<500
HNO. 120882		2.70	4.8	78	2.0	<10	<50	<200	2	<10	<5	63	<500
HNO. 120883		1.80	5.3	75	1.8	<10	<50	<200	1	<10	<5	73	<500
HNO. 120884		0.29	15.0	88	3.1	12	57	<200	25	<10	<5	95	<500

REPORT: 017-3015

PROJECT: M-202-B

PAGE 2A

SAMPLE NUMBER	ELEMENT UNITS	Na PCT	Sc PPM	Cr PPM	Fe PCT	Co PPM	Ni PPM	Zn PPM	As PPM	Se PPM	Br PPM	Rb PPM	Zr PPM
HNO. 120885		0.45	5.4	<50	2.3	<10	<50	<200	7	<10	<5	93	<500
HNO. 120886		2.90	6.1	73	2.3	10	<50	<200	<1	<10	<5	68	<500
HNO. 120887		2.70	5.1	120	2.8	<10	<50	<200	<1	<10	<5	46	<500
HNO. 120888		1.80	4.7	140	1.4	10	<50	750	24	<10	<5	39	<500
HNO. 120889		2.30	6.7	84	2.8	<10	55	530	7	<10	<5	61	<500
HNO. 120890		1.20	3.1	<50	1.8	<10	<50	<200	<1	<10	<5	95	<500
HNO. 120891		2.10	10.0	180	3.3	21	75	<200	11	<10	<5	66	<500
HNO. 120892		0.53	9.1	110	1.7	<10	<50	<200	6	<10	<5	140	<500
HNO. 120893		3.90	5.9	64	2.4	<10	<50	<200	10	<10	<5	37	<500
HNO. 120894		0.85	11.0	69	4.5	<10	<50	270	69	<10	<5	98	<500
HNO. 120895		3.60	6.6	120	2.7	18	<50	230	1	<10	<5	58	<500
HNO. 120896		3.30	6.2	110	2.1	15	<50	<200	3	<10	<5	72	<500
RA-2403-01		2.80	10.0	100	3.3	21	<50	<200	1	<10	<5	63	<500
RA-2403-02		3.40	6.6	99	2.1	15	<50	<200	2	<10	<5	50	<500
RA 2406-03		3.40	8.3	160	2.8	<10	<50	<200	2	<10	<5	68	<500
RA 2406-03 TRENCH# 2		2.10	2.5	240	1.6	<10	<50	<200	11	<10	<5	12	<500
2406-04		0.11	6.6	340	2.2	12	79	<200	3	<10	<5	15	650
2406-05		0.10	6.6	270	2.1	<10	64	<200	2	<10	<5	26	880
2406-06		0.11	14.0	350	3.3	21	170	<200	2	<10	<5	18	<500
2406-07		0.15	2.8	280	1.0	<10	<50	<200	2	<10	<5	<10	600
2406-08		2.70	11.0	85	4.0	23	<50	<200	1	<10	<5	69	<500
2406-09		3.40	9.0	160	2.6	<10	<50	<200	1	<10	<5	70	<500
2406-10		1.80	7.5	110	8.6	50	79	220	4	<10	<5	78	<500
2406-11		0.10	5.2	280	1.5	12	67	<200	2	<10	<5	15	<500
2406-12		<0.05	2.2	180	0.6	<10	<50	<200	1	<10	<5	<10	<500
2406-13		<0.05	5.0	280	1.2	<10	<50	<200	2	<10	<5	<10	<500
2406-14		<0.05	1.4	240	0.7	<10	<50	<200	1	<10	<5	<10	<500
2406-15		0.26	0.6	250	<0.5	<10	<50	<200	1	<10	<5	<10	<500
2406-16		2.80	5.2	160	1.7	11	<50	<200	2	<10	<5	42	<500
2406-17		0.69	0.8	220	0.5	<10	<50	<200	<1	<10	<5	10	<500
2406-18		<0.05	6.9	370	1.8	16	95	<200	2	<10	<5	18	<500
2406-19		<0.05	4.4	360	1.3	10	67	<200	1	<10	<5	15	<500
2406-20		1.30	3.6	200	1.3	<10	<50	<200	1	<10	<5	23	<500
2406-21		0.62	2.4	220	0.9	<10	<50	<200	2	<10	<5	19	<500
2406-22		0.22	0.8	190	0.6	<10	<50	<200	1	<10	<5	<10	<500
RA-2406-24		0.40	5.3	330	2.2	<10	57	<200	<1	<10	<5	17	<500
RA-2406-25		0.14	3.0	190	1.4	<10	<50	<200	<1	<10	<5	<10	<500

REPORT: 017-3015

PROJECT: M-202-B

PAGE 1B

SAMPLE NUMBER	ELEMENT UNITS	Mo PPM	Ag PPM	Cd PPM	Sn PPM	Sb PPM	Te PPM	Cs PPM	Ba PPM	La PPM	Ce PPM	Sm PPM	Eu PPM
HNO. 120905 DS-1		<2	<5	<10	<200	1.0	<20	3	720	58	140	9.1	<2
HNO. 120906 DS-2		<2	<5	<10	<200	0.9	<20	3	670	67	140	9.1	<2
HNO. 120907 DS-3		<2	<5	<10	<200	0.8	<20	<1	570	56	140	11.0	4
HNO. 120908 DS-4		<2	<5	<10	<200	0.7	<20	1	1000	32	69	5.5	<2
HNO. 120909 DS-5		<2	<5	<10	<200	1.0	<20	2	540	27	67	5.2	<2
HNO. 120910 DS-6		<4	22	<10	<200	0.6	<20	<1	370	13	<30	1.6	<2
HNO. 120911 DS-7		<2	<5	<10	<200	1.2	<20	3	500	42	100	6.0	<2
HNO. 120912 DS-8		<2	<5	<10	<200	0.9	<20	2	980	68	150	8.8	<2
HNO. 120913 DS-9		<2	<5	<10	<200	0.8	<20	2	570	26	44	3.8	<2
HNO. 120914 DS-10		<2	9	<10	<200	0.5	<20	<1	430	8	31	1.2	<2
HNO. 120915 DS-11		<2	<5	<10	<200	0.8	<20	2	650	71	160	10.0	3
HNO. 120916 DS-12		<2	<5	<10	<200	0.7	<20	<1	830	34	92	8.2	<2
HNO. 120917 DS-13		<2	<5	<10	<200	0.5	<20	<1	240	24	57	5.9	<2
HNO. 120918 DS-14		<2	<5	<10	<200	0.7	<20	2	540	30	57	3.9	<2
HNO. 120919 DS-15		<2	<5	<10	<200	1.6	<20	2	2400	130	330	32.0	6
HNO. 120920 DS-16		<2	<5	<10	<200	1.5	<20	2	2700	100	270	23.0	4
HNO. 120921 DS-17		<2	<5	<10	<200	0.4	<20	<1	470	17	41	3.0	<2
HNO. 120922 DS-18		<2	<5	<10	<200	0.2	<20	<1	380	5	19	1.1	<2
HNO. 120923		<2	<5	<10	<200	0.6	<20	2	660	82	180	12.0	<2
HNO. 120924		<2	<5	<10	<200	0.4	<20	1	1000	67	150	11.0	<2
HNO. 120851		<2	7	<10	<200	0.4	<20	<1	720	<5	<10	0.6	<2
HNO. 120866		<2	<5	<10	<200	0.4	<20	3	570	29	63	4.8	<2
HNO. 120867		<2	<5	<10	<200	0.4	<20	<1	<100	10	33	5.3	<2
HNO. 120868		<2	<5	<10	<200	0.3	<20	2	710	24	54	3.7	<2
HNO. 120869		<2	<5	<10	<200	0.5	<20	2	760	30	71	4.8	<2
HNO. 120870		<2	160	<10	<200	1.0	<20	<1	830	62	120	13.0	<2
HNO. 120871		<2	9	<10	<200	0.8	<20	3	860	30	61	4.9	<2
HNO. 120872		<2	<5	<10	<200	0.5	<20	3	880	67	140	10.0	<2
HNO. 120873		<2	<5	<10	<200	0.3	<20	3	500	24	60	3.8	<2
HNO. 120874		<2	<5	<10	<200	0.4	<20	4	770	69	150	10.0	<2
HNO. 120875		<2	<5	<10	<200	0.5	<20	1	730	31	72	5.0	<2
HNO. 120876		<2	<5	<10	<200	0.2	<20	1	410	16	35	2.6	<2
HNO. 120877		<2	<5	<10	<200	0.4	<20	1	800	33	77	5.0	<2
HNO. 120878		<2	<5	<10	<200	0.4	<20	2	390	13	27	1.9	<2
HNO. 120879		<2	<5	<10	<200	0.5	<20	3	1000	74	170	11.0	<2
HNO. 120880		<2	<5	<10	<200	0.8	<20	3	810	80	210	12.0	<2
HNO. 120881		<2	<5	<10	<200	0.3	<20	2	640	45	100	7.3	<2
HNO. 120882		<2	<5	<10	<200	0.4	<20	3	780	31	72	4.9	3
HNO. 120883		<2	<5	<10	<200	0.9	<20	3	1500	28	74	4.9	<2
HNO. 120884		<2	<5	<10	<200	0.3	<20	4	970	29	82	5.5	<2

REPORT: 017-3015

PROJECT: M-202-B

PAGE 2B

SAMPLE NUMBER	ELEMENT UNITS	Mo PPM	Ag PPM	Cd PPM	Sn PPM	Sb PPM	Te PPM	Cs PPM	Ba PPM	La PPM	Ce PPM	Sm PPM	Eu PPM
HNO. 120885		<2	<5	<10	<200	<0.2	<20	3	640	25	60	4.1	<2
HNO. 120886		<2	<5	<10	<200	0.4	<20	4	1100	28	67	4.7	<2
HNO. 120887		<2	<5	<10	<200	0.4	<20	3	1000	28	67	4.6	2
HNO. 120888		<2	<5	<10	<200	1.3	<20	<1	240	11	24	1.9	<2
HNO. 120889		<2	<5	<10	<200	0.3	<20	2	370	18	44	3.1	<2
HNO. 120890		<2	<5	<10	<200	<0.2	<20	2	530	11	25	1.9	<2
HNO. 120891		<2	8	<10	<200	0.3	<20	2	480	16	36	3.2	<2
HNO. 120892		<2	<5	<10	<200	0.4	<20	5	970	20	59	3.4	<2
HNO. 120893		<2	9	<10	<200	0.4	<20	3	730	31	65	4.8	<2
HNO. 120894		<2	<5	<10	<200	1.6	<20	3	1100	35	78	5.0	<2
HNO. 120895		<2	<5	<10	<200	0.5	<20	2	570	22	61	3.9	<2
HNO. 120896		<2	<5	<10	<200	0.4	<20	3	380	14	30	2.5	<2
RA-2403-01		<2	<5	<10	<200	0.6	<20	2	500	32	73	5.4	<2
RA-2403-02		<2	<5	<10	<200	0.5	<20	1	400	29	67	5.0	<2
RA 2406-03		<2	<5	<10	<200	0.8	<20	3	1100	86	200	13.0	3
RA 2406-03 TRENCH# 2		<2	<5	<10	<200	0.3	<20	<1	120	7	16	1.6	<2
2406-04		<2	<5	<10	<200	0.8	<20	<1	1400	52	140	14.0	2
2406-05		<2	<5	<10	<200	1.0	<20	1	800	52	150	16.0	3
2406-06		<2	6	<10	<200	2.3	<20	1	6200	110	260	30.0	5
2406-07		<2	<5	<10	<200	0.5	<20	<1	4100	28	75	7.4	<2
2406-08		<2	5	<10	<200	0.5	<20	2	480	36	90	6.3	<2
2406-09		<2	<5	<10	<200	0.6	<20	3	490	30	69	5.5	<2
2406-10		<2	<5	<10	<200	0.7	<20	3	790	22	39	4.1	<2
2406-11		<2	<5	<10	<200	0.8	<20	<1	1100	45	130	12.0	<2
2406-12		<2	<5	<10	<200	0.4	<20	<1	110	17	48	4.7	<2
2406-13		<2	<5	<10	<200	0.6	<20	<1	250	41	110	10.0	<2
2406-14		<2	16	<10	<200	0.4	<20	<1	1200	14	40	3.5	<2
2406-15		<2	<5	<10	<200	0.3	<20	<1	590	<5	16	1.0	<2
2406-16		<2	<5	<10	<200	0.4	<20	1	1400	60	120	8.4	2
2406-17		<2	<5	<10	<200	0.2	<20	<1	370	<5	<10	0.5	<2
2406-18		<2	39	<10	<200	1.0	<20	<1	620	87	200	23.0	4
2406-19		<2	31	<10	<200	0.6	<20	<1	1600	46	120	12.0	3
2406-20		7	7	<10	<200	0.3	<20	<1	4400	15	37	2.8	<2
2406-21		10	26	<10	<200	0.4	<20	<1	500	10	28	2.0	<2
2406-22		<2	<5	<10	<200	0.3	<20	<1	660	6	15	1.7	<2
RA-2406-24		<2	29	<10	<200	1.1	<20	1	1300	60	130	13.0	<2
RA-2406-25		<2	30	<10	<200	0.8	<20	<1	1500	47	93	11.0	<2



REPORT: 017-3015

PROJECT: M-202-B PAGE 1C

SAMPLE NUMBER	ELEMENT UNITS	Tb PPM	Yb PPM	Lu PPM	Hf PPM	Ta PPM	W PPM	Ir PPB	Au PPB	Th PPM	U PPM	WT g
HNO. 120905 DS-1		<1	<5	<0.5	4	<1	6	<100	36	10.0	2.5	9.57
HNO. 120906 DS-2		<1	<5	<0.5	5	<1	6	<100	714	10.0	1.7	9.99
HNO. 120907 DS-3		<1	<5	<0.5	5	<1	6	<100	140	9.3	2.2	8.50
HNO. 120908 DS-4		<1	<5	<0.5	4	<1	6	<100	75	3.8	1.0	9.37
HNO. 120909 DS-5		<1	<5	<0.5	3	<1	9	<100	695	3.8	1.1	9.49
HNO. 120910 DS-6		<1	<5	<0.5	<2	<1	4	<100	>30000	1.0	1.7	8.58
HNO. 120911 DS-7		<1	<5	<0.5	3	<1	6	<100	2430	4.8	1.1	9.10
HNO. 120912 DS-8		<1	<5	<0.5	5	1	6	<100	950	8.2	1.9	9.44
HNO. 120913 DS-9		<1	<5	<0.5	2	<1	10	<100	1830	4.1	1.0	9.47
HNO. 120914 DS-10		<1	<5	<0.5	<2	<1	2	<100	4100	1.1	<0.5	11.30
HNO. 120915 DS-11		<1	<5	<0.5	4	<1	11	<100	360	10.0	2.3	8.82
HNO. 120916 DS-12		<1	<5	<0.5	3	<1	23	<100	430	2.1	0.7	11.15
HNO. 120917 DS-13		<1	<5	<0.5	3	<1	25	<100	120	1.4	<0.5	11.69
HNO. 120918 DS-14		<1	<5	<0.5	3	<1	3	<100	57	3.6	1.0	9.42
HNO. 120919 DS-15		3	<5	<0.5	18	<1	52	<100	680	5.2	1.2	9.85
HNO. 120920 DS-16		2	<5	<0.5	20	<1	72	<100	220	5.2	3.1	8.53
HNO. 120921 DS-17		<1	<5	<0.5	2	<1	10	<100	909	2.1	0.8	9.47
HNO. 120922 DS-18		<1	<5	<0.5	<2	<1	4	<100	1130	0.5	<0.5	10.26
HNO. 120923		<1	<5	<0.5	6	<1	<2	<100	7	11.0	3.0	8.49
HNO. 120924		1	<5	<0.5	4	<1	<2	<100	20	10.0	2.7	7.82
HNO. 120851 <i>fract #2</i>		<1	<5	<0.5	<2	<1	<2	<100	1750	<0.5	<0.5	10.68
HNO. 120866		<1	<5	<0.5	3	<1	<2	<100	<5	3.8	1.2	10.08
HNO. 120867		<1	5	0.7	4	<1	<2	<100	11	0.9	<0.5	10.43
HNO. 120868		<1	<5	<0.5	3	<1	2	<100	<5	3.7	1.5	8.72
HNO. 120869		<1	<5	<0.5	5	<1	<2	<100	<5	4.4	1.1	8.46
HNO. 120870 <i>fract #2</i>		1	<5	<0.5	10	<1	8	<100	21000	2.9	1.5	11.55
HNO. 120871		<1	<5	<0.5	3	<1	<2	<100	95	4.1	1.1	10.66
HNO. 120872		<1	<5	<0.5	6	<1	<2	<100	180	9.0	2.3	10.06
HNO. 120873		<1	<5	<0.5	3	<1	<2	<100	<5	3.1	0.8	8.21
HNO. 120874		<1	<5	<0.5	4	<1	<2	<100	<5	9.0	2.5	10.65
HNO. 120875		<1	<5	<0.5	3	<1	<2	<100	<5	4.4	1.3	9.32
HNO. 120876		<1	<5	<0.5	6	<1	<2	<100	<5	1.5	<0.5	8.12
HNO. 120877		<1	<5	<0.5	4	<1	<2	<100	<5	4.5	1.2	8.03
HNO. 120878		<1	<5	<0.5	4	<1	<2	<100	<5	1.5	0.6	9.07
HNO. 120879		<1	<5	<0.5	4	<1	<2	<100	<5	9.4	2.5	8.61
HNO. 120880		<1	<5	<0.5	3	1	<2	<100	8	10.0	2.9	9.06
HNO. 120881		<1	<5	<0.5	5	<1	<2	<100	<5	6.2	1.4	9.10
HNO. 120882		<1	<5	<0.5	3	<1	2	<100	<5	4.1	1.1	10.31
HNO. 120883		<1	<5	<0.5	3	<1	4	<100	7	5.0	1.0	6.20
HNO. 120884		<1	<5	<0.5	7	<1	<2	<100	<5	3.9	1.1	7.75

REPORT: 017-3015

PROJECT: H-202-B

PAGE 2C

SAMPLE NUMBER	ELEMENT UNITS	Tb PPM	Yb PPM	Lu PPM	Hf PPM	Ta PPM	W PPM	Ir PPB	Au PPB	Th PPM	U PPM	WT g
HNO. 120885		<1	<5	<0.5	5	<1	<2	<100	<5	4.5	1.0	8.76
HNO. 120886		<1	<5	<0.5	3	<1	<2	<100	<5	4.6	1.0	8.44
HNO. 120887		<1	<5	<0.5	4	<1	<2	<100	<5	3.6	1.1	8.88
HNO. 120888		<1	<5	<0.5	3	<1	<2	<100	14	1.7	<0.5	10.27
HNO. 120889		<1	<5	<0.5	3	<1	<2	<100	<5	2.9	0.8	8.33
HNO. 120890		<1	<5	<0.5	5	<1	<2	<100	<5	2.8	1.1	9.54
HNO. 120891		<1	<5	<0.5	4	<1	<2	<100	<5	1.5	0.7	9.97
HNO. 120892		<1	<5	<0.5	4	<1	<2	<100	<5	2.7	0.6	7.40
HNO. 120893		<1	<5	<0.5	5	<1	<2	<100	<5	4.1	1.1	9.94
HNO. 120894		<1	<5	<0.5	6	<1	<2	<100	7	8.7	1.8	7.30
HNO. 120895		<1	<5	<0.5	3	<1	<2	<100	<5	2.6	0.7	10.18
HNO. 120896		<1	<5	<0.5	2	<1	<2	<100	<5	1.4	<0.5	10.06
RA-2406-01		<1	<5	<0.5	4	<1	<2	<100	<5	3.6	0.9	11.21
RA-2406-02		<1	<5	<0.5	<2	<1	<2	<100	<5	2.9	0.9	8.34
RA 2406-03		<1	<5	<0.5	5	<1	7	<100	80	10.0	2.2	8.89
RA 2406-03 TRENCH# 2		<1	<5	<0.5	<2	<1	2	<100	99	0.8	<0.5	10.52
2406-04		1	<5	<0.5	10	<1	30	<100	84	2.7	1.6	11.68
2406-05		2	<5	<0.5	14	<1	49	<100	200	3.5	2.3	11.12
2406-06		2	<5	<0.5	20	1	46	<100	100	6.2	1.1	11.71
2406-07		<1	<5	<0.5	4	<1	14	<100	420	2.1	0.6	12.00
2406-08		<1	<5	<0.5	3	<1	<2	<100	58	3.5	0.9	9.51
2406-09		<1	<5	<0.5	4	<1	<2	<100	75	3.3	1.0	11.36
2406-10		<1	<5	<0.5	3	<1	<2	<100	350	1.8	0.6	12.07
2406-11		1	<5	<0.5	8	<1	35	<100	4120	2.9	0.6	13.29
2406-12		<1	<5	<0.5	3	<1	8	<100	31	0.8	<0.5	16.44
2406-13		<1	<5	<0.5	5	<1	21	<100	12	1.4	0.5	13.23
2406-14		<1	<5	<0.5	<2	<1	8	<100	130	1.1	<0.5	13.10
2406-15		<1	<5	<0.5	<2	<1	3	<100	200	<0.5	<0.5	12.05
2406-16		<1	<5	<0.5	4	<1	6	<100	13	7.7	1.7	12.93
2406-17		<1	<5	<0.5	<2	<1	<2	<100	44	<0.5	<0.5	13.91
2406-18		2	<5	<0.5	9	<1	44	<100	625	6.6	1.5	10.95
2406-19		1	<5	<0.5	3	<1	22	<100	21	3.8	0.6	9.88
2406-20		<1	<5	<0.5	<2	<1	6	<100	77	2.0	<0.5	11.49
2406-21		<1	<5	<0.5	<2	<1	6	<100	2610	0.8	<0.5	11.10
2406-22		<1	<5	<0.5	<2	<1	3	<100	180	<0.5	<0.5	12.57
RA-2406-24		1	<5	<0.5	10	<1	<2	<100	19400	3.3	<0.5	12.34
RA-2406-25		<1	<5	<0.5	8	<1	<2	<100	17700	3.0	1.6	9.98

Bondar-Clegg & Company Ltd.
5420 Canotek Rd.,
Ottawa, Ontario,
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BONDAR-CLEGG

**Geochemical
Lab Report**

M 202 B

ROBERT S. MIDDLETON EXPL. SERV.
R. MIDDLETON
136 CEDAR ST. S.
BOX 1637
TIMMINS, ONT P4N 7W3

REPORT: 017-2869 (COMPLETE)

REFERENCE INFO:

CLIENT: ROBERT S. HIDDLETON EXPL. SERV.

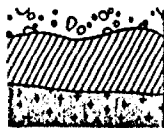
SUBMITTED BY: J. NEUSOME

PROJECT: 14-202B

DATE PRINTED: 22-JUL-87

ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Na Sodium	63	0.05 PCT		Neutron Activation
2	Sc Scandium	63	0.5 PPM		Neutron Activation
3	Cr Chromium	63	50 PPM		Neutron Activation
4	Fe Iron	63	0.5 PCT		Neutron Activation
5	Co Cobalt	63	10 PPM		Neutron Activation
6	Ni Nickel	63	50 PPM		Neutron Activation
7	Zn Zinc	63	200 PPM		Neutron Activation
8	As Arsenic	63	1 PPM		Neutron Activation
9	Se Selenium	63	10 PPM		Neutron Activation
10	Br Bromine	63	1 PPM		Neutron Activation
11	Rb Rubidium	63	10 PPM		Neutron Activation
12	Zr Zirconium	63	500 PPM		Neutron Activation
13	Mo Molybdenum	63	2 PPM		Neutron Activation
14	Ag Silver	63	5 PPM		Neutron Activation
15	Cd Cadmium	63	10 PPM		Neutron Activation
16	Sn Tin	63	200 PPM		Neutron Activation
17	Sb Antimony	63	0.2 PPM		Neutron Activation
18	Te Tellurium	63	20 PPM		Neutron Activation
19	Cs Cesium	63	1 PPM		Neutron Activation
20	Ba Barium	63	100 PPM		Neutron Activation
21	La Lanthanum	63	5 PPM		Neutron Activation
22	Ce Cerium	63	10 PPM		Neutron Activation
23	Sm Samarium	63	0.1 PPM		Neutron Activation
24	Eu Europium	63	2 PPM		Neutron Activation
25	Tb Terbium	63	1 PPM		Neutron Activation
26	Yb Ytterbium	63	5 PPM		Neutron Activation
27	Lu Lutetium	63	0.5 PPM		Neutron Activation
28	Hf Hafnium	63	2 PPM		Neutron Activation
29	Ta Tantalum	63	1 PPM		Neutron Activation
30	W Tungsten	63	2 PPM		Neutron Activation
31	Ir Iridium	63	100 PPB		Neutron Activation
32	Au Gold	63	5 PPB		Neutron Activation
33	Th Thorium	63	0.5 PPM		Neutron Activation
34	U Uranium	63	0.5 PPM		Neutron Activation
35	WT Test Weight	63	0.01 g		

Bondar-Clegg & Company Ltd.
5420 Canotek Rd.,
Ottawa, Ontario,
Canada K1J 8X3
Phone: (613) 237-2220
Telex: 053-32



BONDAR-CLEGG

**Geochemical
Lab Report**

REF: 017-2869 (COMPLETE)

REFERENCE INFO:

CLIENT: ROBERT S. MIDDLETON EXPL. SERV.
PROJECT: 14-202B

SUBMITTED BY: J. NEWSOME
DATE PRINTED: 22-JUL-87

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
ROCK	63	-200	63	CRUSH, PULVERIZE -200	63

REMARKS: < MEANS LESS THAN.

REPORT COPIES TO: R. MIDDLETON

INVOICE TO: R. MIDDLETON



REPORT: 017-2869

PROJECT: 14-202R

PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	Na PCT	Sc PPM	Cr PPM	Fe PCT	Co PPM	Ni PPM	Zn PPM	As PPM	Se PPM	Br PPM	Kb PPM	Zr PPM
HNO 120701		2.60	8.5	140	3.9	12	<50	<200	2	<10	<5	77	<500
HNO 120702		3.90	7.0	170	3.2	21	<50	<200	2	<10	<5	84	<500
HNO 120703		3.90	5.2	180	1.1	<10	<50	<200	1	<10	<5	76	<500
HNO 120704		3.90	8.6	170	3.4	17	<50	520	9	<10	<5	51	<500
HNO 120705		3.80	8.6	180	3.2	12	<50	<200	1	<10	<5	55	<500
HNO 120706		2.50	9.1	140	2.3	<10	<50	<200	7	<10	<5	83	<500
HNO 120707		3.70	7.8	150	3.5	13	<50	<200	1	<10	<5	65	<500
HNO 120708		3.20	8.3	160	3.3	12	<50	<200	<1	<10	<5	92	<500
HNO 120709		3.20	5.9	130	2.2	<10	<50	<200	7	<10	<5	64	<500
HNO 120710		3.50	7.3	170	3.1	12	<50	<200	2	<10	<5	70	<500
HNO 120711		3.00	8.7	150	4.3	16	<50	<200	4	<10	<5	90	<500
HNO 120712		3.60	8.7	210	2.9	19	57	<200	2	<10	<5	80	<500
HNO 120713		3.80	8.6	160	3.6	14	<50	<200	2	<10	<5	75	<500
HNO 120714		3.50	5.4	95	2.7	<10	<50	<200	6	<10	<5	55	<500
HNO 120715		3.90	6.1	93	2.7	<10	<50	<200	<1	<10	<5	53	<500
HNO 120716		2.50	6.5	100	2.3	14	<50	<200	2	<10	<5	98	<500
HNO 120717		2.40	10.0	150	3.6	19	<50	200	<1	<10	<5	79	<500
HNO 120718		0.06	1.1	400	0.7	<10	<50	<200	2	<10	<5	<10	<500
HNO 120719		3.60	11.0	150	3.8	21	<50	<200	4	<10	<5	80	<500
HNO 120720		0.61	1.0	330	0.7	<10	<50	<200	5	<10	<5	11	<500
HNO 120721		3.30	8.0	140	2.3	23	<50	<200	5	<10	<5	68	<500
HNO 120722		3.30	7.8	220	2.4	12	<50	<200	4	<10	<5	76	<500
HNO 120723		2.20	6.0	200	2.7	11	<50	<200	<1	<10	<5	74	<500
HNO 120724		3.00	5.9	140	2.2	<10	<50	<200	<1	<10	<5	110	<500
HNO 120725		1.30	7.7	170	2.8	<10	<50	<200	10	<10	<5	100	<500
HNO 120727		0.18	11.0	57	4.5	<10	<50	<200	45	<10	<5	150	<500
HNO 120728		1.70	35.0	83	12.0	38	<50	<200	3	<10	<5	15	<500
HNO 120729		1.70	10.0	110	3.0	<10	<50	<200	5	<10	<5	100	<500
HNO 120730		4.10	5.5	110	2.7	<10	<50	<200	2	<10	<5	54	<500
HNO 120731		3.00	6.7	140	3.3	10	<50	<200	1	<10	<5	130	<500
HNO 120732		3.60	9.2	150	3.4	11	<50	<200	1	<10	<5	63	<500
HNO 120733		4.30	5.8	190	2.3	<10	<50	<200	2	<10	<5	56	<500
HNO 120734		3.10	11.0	140	4.0	22	<50	<200	<1	<10	<5	72	<500
HNO 120735		3.50	6.2	110	3.2	<10	<50	<200	1	<10	<5	74	<500
HNO 120736		2.90	5.3	110	2.2	10	<50	<200	<1	<10	<5	82	<500
HNO 120737		1.50	4.5	80	2.0	<10	<50	<200	<1	<10	<5	79	<500
HNO 120738		2.20	6.9	140	2.8	12	<50	<200	3	<10	<5	66	<500
HNO 120739		2.80	5.2	160	1.8	<10	<50	<200	1	<10	<5	58	<500
HNO 120740		3.10	7.1	150	2.9	12	<50	<200	1	<10	<5	72	<500
HNO 120741		4.80	5.9	150	2.3	<10	<50	<200	2	<10	<5	22	<500



REPORT: 017-2869

PROJECT: 14-202B

PAGE 1C

SAMPLE NO.	ELEMENT UNITS	Tb PPM	Yb PPM	Lu PPM	Hf PPM	Ta PPM	W PPM	Ir PPB	Au PPB	Th PPM	U PPM	WT g
✓ HNO 120701		<1	<5	<0.5	4	<1	<2	<100	2450	2.9	0.8	7.63
✓ HNO 120702		<1	<5	<0.5	2	<1	<2	<100	72	3.6	1.1	7.96
✓ HNO 120703		<1	<5	<0.5	3	<1	4	<100	86	2.6	0.7	8.74
✓ HNO 120704		<1	<5	<0.5	4	<1	<2	<100	9	7.5	1.7	8.61
✓ HNO 120705		<1	<5	<0.5	4	<1	<2	<100	<5	6.6	1.5	9.11
✓ HNO 120706		<1	<5	<0.5	4	<1	<2	<100	<5	1.8	0.5	7.49
✓ HNO 120707		<1	<5	<0.5	5	<1	<2	<100	<5	11.0	2.7	8.62
✓ HNO 120708		<1	<5	<0.5	6	<1	4	<100	17	12.0	2.8	7.38
✓ HNO 120709		<1	<5	<0.5	3	<1	<2	<100	<5	1.1	<0.5	7.59
✓ HNO 120710		<1	<5	<0.5	5	<1	2	<100	8	10.0	2.4	9.06
✓ HNO 120711		<1	<5	<0.5	4	<1	3	<100	41	10.0	2.2	7.60
✓ HNO 120712		<1	<5	<0.5	3	<1	2	<100	8	4.8	1.3	8.61
✓ HNO 120713		<1	<5	<0.5	5	<1	<2	<100	6	11.0	2.4	9.03
✓ HNO 120714		<1	<5	<0.5	3	<1	<2	<100	<5	3.8	1.0	9.18
✓ HNO 120715		<1	<5	<0.5	4	<1	<2	<100	<5	4.1	1.5	9.05
✓ HNO 120716		<1	<5	<0.5	5	<1	15	<100	<5	4.4	0.9	7.00
✓ HNO 120717		<1	<5	<0.5	3	<1	<2	<100	<5	2.7	0.7	7.18
✓ HNO 120718		<1	<5	<0.5	<2	<1	3	<100	260	<0.5	<0.5	10.71
✓ HNO 120719		<1	<5	<0.5	4	<1	11	<100	37	4.2	0.9	7.78
✓ HNO 120720		<1	<5	<0.5	<2	<1	3	<100	35	0.8	<0.5	10.08
✓ HNO 120721		<1	<5	<0.5	4	<1	3	<100	<5	5.4	1.3	5.50
✓ HNO 120722		<1	<5	<0.5	3	<1	<2	<100	<5	4.0	1.0	9.18
✓ HNO 120723		<1	<5	<0.5	3	<1	3	<100	<5	3.1	0.8	8.47
✓ HNO 120724		<1	<5	<0.5	4	<1	<2	<100	<5	4.7	1.4	8.05
✓ HNO 120725		<1	<5	<0.5	7	<1	<2	<100	5	3.9	1.0	8.21
✓ HNO 120727		<1	<5	<0.5	5	<1	<2	<100	19	3.7	0.8	7.84
✓ HNO 120728		2	6	0.9	5	<1	<2	<100	<5	0.8	<0.5	10.73
✓ HNO 120729		<1	<5	<0.5	6	<1	<2	<100	<5	3.0	0.7	7.19
✓ HNO 120730		<1	<5	<0.5	3	<1	<2	<100	<5	3.8	0.9	8.03
✓ HNO 120731		<1	<5	<0.5	4	<1	<2	<100	<5	4.9	1.1	8.51
✓ HNO 120732		<1	<5	<0.5	5	<1	3	<100	<5	11.0	2.3	8.23
✓ HNO 120733		<1	<5	<0.5	3	<1	<2	<100	<5	4.0	1.1	8.62
✓ HNO 120734		<1	<5	<0.5	4	<1	<2	<100	<5	5.2	1.1	9.65
✓ HNO 120735		<1	<5	<0.5	3	<1	3	<100	<5	4.3	1.1	8.64
✓ HNO 120736		<1	<5	<0.5	3	<1	<2	<100	<5	3.8	1.4	9.51
✓ HNO 120737		<1	<5	<0.5	4	<1	<2	<100	<5	3.8	0.9	6.24
✓ HNO 120738		<1	<5	<0.5	2	<1	<2	<100	<5	1.8	<0.5	8.00
✓ HNO 120739		<1	<5	<0.5	3	<1	<2	<100	<5	2.2	0.7	9.23
✓ HNO 120740		<1	<5	<0.5	5	<1	3	<100	<5	10.0	2.3	9.18
✓ HNO 120741		<1	<5	<0.5	3	<1	3	<100	<5	5.0	1.2	10.21

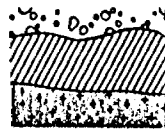


PROJECT: 017-2809

PROJECT: 14-3026

PAGE: 10

SAMPLE NO	ELEMENT UNITS	Mo PPM	Ag PPM	Cd PPM	Cu PPM	Pb PPM	Te PPM	Cs PPM	Sr PPM	La PPM	Ce PPM	Sm PPM	Eu PPM
HND 120701		<2	<5	<10	<200	0.4	<20	2	540	24	45	3.0	<2
HND 120702		<2	<5	<10	<200	0.4	<20	2	510	24	42	3.0	<2
HND 120703		<2	<5	<10	<200	0.4	<20	2	550	19	29	2.3	<2
HND 120704		<2	<5	<10	<200	0.5	<20	3	510	33	110	7.3	<2
HND 120705		<2	<5	<10	<200	0.4	<20	2	440	56	95	6.3	<2
HND 120706		<2	<5	<10	<200	0.4	<20	2	750	21	36	2.6	<2
HND 120707		<2	<5	<10	<200	0.6	<20	2	1100	87	150	10.0	<2
HND 120708		<2	<5	<10	<200	0.7	<20	4	1300	94	160	10.0	<2
HND 120709		<2	<5	<10	<200	0.4	<20	3	430	11	19	1.7	<2
HND 120710		<2	<5	<10	<200	0.6	<20	3	870	79	140	6.6	<2
HND 120711		<2	<5	<10	<200	0.8	<20	3	870	83	140	9.0	<2
HND 120712		<2	<5	<10	<200	0.7	<20	5	550	37	63	4.3	<2
HND 120713		<2	<5	<10	<200	0.5	<20	3	1000	87	150	10.0	<2
HND 120714		<2	<5	<10	<200	0.3	<20	3	520	32	55	4.0	<2
HND 120715		<2	<5	<10	<200	0.6	<20	4	750	41	72	4.4	<2
HND 120716		<2	<5	<10	<200	1.7	<20	5	1100	50	50	3.9	<2
HND 120717		<2	<5	<10	<200	0.5	<20	3	1100	26	45	3.9	<2
HND 120718		<2	26	<10	<200	0.3	<20	<1	1100	8	14	1.5	<2
HND 120719		2	<5	<10	<200	0.7	<20	2	680	33	56	5.1	<2
HND 120720		<2	<5	<10	<200	0.3	<20	<1	<100	8	11	1.0	<2
HND 120721		<2	<5	<10	<200	1.7	<20	4	520	47	78	5.3	<2
HND 120722		<2	<5	<10	<200	0.8	<20	3	670	30	54	4.1	<2
HND 120723		<2	<5	<10	<200	0.7	<20	2	840	20	35	2.6	<2
HND 120724		<2	<5	<10	<200	0.7	<20	5	1300	40	69	4.3	<2
HND 120725		<2	<5	<10	<200	0.9	<20	3	590	27	45	3.8	<2
HND 120727		4	<5	<10	<200	3.2	<20	4	890	41	66	4.2	<2
HND 120728		<2	<5	<10	<200	0.8	<20	<1	<100	8	13	4.6	<2
HND 120729		<2	<5	<10	<200	0.7	<20	4	660	26	40	3.7	<2
HND 120730		<2	<5	<10	<200	0.3	<20	3	670	30	52	3.6	<2
HND 120731		<2	<5	<10	<200	0.7	<20	6	1600	35	61	4.3	<2
HND 120732		<2	<5	<10	<200	0.6	<20	2	820	83	140	9.1	<2
HND 120733		<2	<5	<10	<200	0.5	<20	1	730	24	39	2.9	<2
HND 120734		<2	<5	<10	<200	0.6	<20	2	570	50	88	6.8	<2
HND 120735		<2	<5	<10	<200	1.0	<20	3	650	36	57	4.0	<2
HND 120736		<2	<5	<10	<200	0.3	<20	5	720	26	42	2.5	<2
HND 120737		2	<5	<10	<200	0.3	<20	2	500	25	51	2.7	<2
HND 120738		<2	<5	<10	<200	0.5	<20	3	560	16	28	2.4	<2
HND 120739		<2	<5	<10	<200	0.5	<20	2	450	18	30	2.5	<2
HND 120740		<2	<5	<10	<200	0.7	<20	3	1400	72	120	9.2	<2
HND 120741		<2	<5	<10	<200	1.1	<20	<1	620	31	56	4.3	<2



REPORT: 017-2869

PROJECT: 14-202B

PAGE 2A

SAMPLE NUMBER	ELEMENT UNITS	Na PCT	Sc PPM	Cr PPM	Fe PCT	Co PPM	Ni PPM	Zn PPM	As PPM	Se PPM	Br PPM	Rb PPM	Zr PPM
HNO 120742		3.60	7.3	170	2.5	<10	<50	<200	1	<10	<5	77	<500
HNO 120743		3.70	7.1	170	2.4	<10	<50	<200	1	<10	<5	72	<500
HNO 120744		4.00	7.7	230	3.4	14	61	<200	2	<10	<5	65	<500
HNO 120745		3.10	7.3	170	2.5	12	<50	<200	2	<10	<5	72	<500
HNO 120746		4.50	5.1	170	2.2	14	<50	<200	6	<10	<5	31	<500
HNO 120747		3.80	6.8	160	2.7	14	<50	<200	3	<10	<5	60	<500
HNO 120748		3.90	6.2	140	3.0	<10	<50	<200	7	<10	<5	61	<500
HNO 120749		3.50	7.2	130	2.0	<10	<50	<200	6	<10	<5	57	<500
HNO 120750		3.90	5.6	170	2.3	11	<50	<200	1	<10	<5	57	<500
HNO 120852		3.90	7.8	160	3.4	<10	<50	<200	1	<10	<5	64	<500
HNO 120853		3.40	5.6	120	2.3	12	<50	<200	5	<10	<5	56	<500
HNO 120854		4.10	6.9	140	2.9	15	<50	<200	2	<10	<5	51	<500
HNO 120855		3.70	5.8	130	2.2	12	<50	<200	3	<10	<5	69	<500
HNO 120856		2.90	4.5	75	1.8	10	<50	<200	9	<10	<5	81	<500
HNO 120857		3.90	6.6	210	2.4	12	<50	<200	4	<10	<5	34	<500
HNO 120858		2.90	7.7	140	2.8	<10	<50	<200	2	<10	<5	88	<500
HNO 120859		3.40	6.8	160	3.1	13	<50	<200	1	<10	<5	49	<500
HNO 120860		3.30	3.8	140	1.6	<10	<50	<200	1	<10	<5	71	<500
HNO 120861		3.40	7.1	130	2.0	11	<50	<200	1	<10	<5	51	<500
HNO 120862		3.70	4.3	150	1.6	<10	<50	<200	<1	<10	<5	70	<500
HNO 120863		2.40	5.2	95	2.4	<10	<50	<200	1	<10	<5	76	<500
HNO 120864		3.80	5.5	200	2.2	<10	<50	<200	40	<10	<5	41	<500
HNO 120865		2.70	34.0	100	10.0	49	<50	<200	2	<10	<5	29	<500

REPORT: 017-2859

PROJECT: 14-2028 PAGE 28

SAMPLE NUMBER	ELEMENT UNITS	Mo PPM	Ag PPM	Cd PPM	Sn PPM	Sb PPM	Te PPM	Cs PPM	Ka PPM	La PPM	Ce PPM	Sm PPM	Eu PPM
HNO 120742		<2	<5	<10	<200	0.7	<20	2	850	69	120	8.0	<2
HNO 120743		<2	<5	<10	<200	0.5	<20	3	440	27	47	3.6	<2
HNO 120744		<2	<5	<10	<200	0.7	<20	3	610	20	35	2.7	<2
HNO 120745		<2	<5	<10	<200	0.6	<20	3	720	31	53	3.9	<2
HNO 120746		<2	<5	<10	<200	0.4	<20	2	670	42	66	4.4	<2
HNO 120747		<2	<5	<10	<200	0.6	<20	2	500	23	39	3.0	<2
HNO 120748		<2	<5	<10	<200	0.7	<20	4	630	25	41	3.0	<2
HNO 120749		<2	<5	<10	<200	<0.2	<20	2	690	23	38	3.0	<2
HNO 120750		<2	<5	<10	<200	0.5	<20	3	650	22	36	2.5	<2
HNO 120852		<2	<5	<10	<200	0.7	<20	2	1900	71	120	8.1	<2
HNO 120853		<2	<5	<10	<200	0.6	<20	3	500	17	31	2.1	<2
HNO 120854		<2	<5	<10	<200	0.5	<20	2	780	29	45	3.5	<2
HNO 120855		<2	<5	<10	<200	0.3	<20	2	550	13	21	1.7	<2
HNO 120856		<2	<5	<10	<200	<0.2	<20	2	500	18	29	2.1	<2
HNO 120857		<2	<5	<10	<200	0.4	<20	1	580	25	41	3.3	<2
HNO 120858		<2	<5	<10	<200	0.6	<20	4	1200	74	130	8.4	<2
HNO 120859		<2	<5	<10	<200	0.6	<20	2	920	69	110	8.3	<2
HNO 120860		<2	<5	<10	<200	0.4	<20	3	580	18	27	2.1	<2
HNO 120861		<2	<5	<10	<200	0.4	<20	1	440	17	31	2.8	<2
HNO 120862		<2	<5	<10	<200	0.4	<20	2	450	17	28	1.9	<2
HNO 120863		<2	<5	<10	<200	0.8	<20	3	1600	24	43	3.3	<2
HNO 120864		<2	<5	<10	<200	<0.2	<20	2	320	23	38	3.0	<2
HNO 120865		<2	<5	<10	<200	1.6	<20	1	160	6	14	3.7	<2

REF: 017-2669

PROJECT: 14-2026

PAGE 20

SAMPLE NUMBER	ELEMENT UNITS	Te PPM	Yb PPM	Lu PPM	Hf PPM	Ta PPM	U PPM	Ir PPB	Au PPB	In PPM	U PPM	HC g
✓ HND 120742		<1	<5	<0.5	5	<1	<2	<100	<5	10.0	2.2	7.49
HND 120743		<1	<5	<0.5	3	<1	<2	<100	6	4.2	0.9	9.22
HND 120744		<1	<5	<0.5	3	<1	2	<100	15	3.5	1.0	8.89
✓ HND 120745		<1	<5	<0.5	4	<1	<2	<100	<5	4.7	1.2	9.14
HND 120746		<1	<5	<0.5	3	<1	<2	<100	8	5.7	1.4	9.24
✓ HND 120747		<1	<5	<0.5	4	<1	5	<100	7	3.4	1.0	8.71
✓ HND 120748		<1	<5	<0.5	3	<1	<2	<100	23	3.9	0.9	9.87
HND 120749		<1	<5	<0.5	5	<1	<2	<100	<5	2.8	0.7	9.89
HND 120750		<1	<5	<0.5	3	<1	<2	<100	<5	3.6	1.0	8.53
✓ HND 120852		<1	<5	<0.5	4	<1	<2	<100	8	8.6	1.9	9.68
HND 120853		<1	<5	<0.5	4	<1	<2	<100	<5	2.1	0.5	8.51
✓ HND 120854		<1	<5	<0.5	4	<1	3	<100	33	4.4	1.4	10.11
HND 120855		<1	<5	<0.5	3	<1	<2	<100	<5	1.3	<0.5	8.85
HND 120856		<1	<5	<0.5	3	<1	<2	<100	<5	1.6	<0.5	10.54
✓ HND 120857		<1	<5	<0.5	2	<1	5	<100	<5	3.5	1.0	8.40
HND 120858		<1	<5	<0.5	5	<1	<2	<100	<5	9.4	2.2	8.51
HND 120859		<1	<5	<0.5	4	<1	<2	<100	<5	9.0	2.0	7.73
HND 120860		<1	<5	<0.5	3	<1	3	<100	<5	3.4	1.0	8.27
HND 120861		<1	<5	<0.5	3	<1	<2	<100	<5	1.9	0.5	9.08
HND 120862		<1	<5	<0.5	3	<1	<2	<100	41	3.3	0.9	7.61
HND 120863		<1	<5	<0.5	4	<1	2	<100	9	4.1	0.7	7.56
HND 120864		<1	<5	<0.5	3	<1	<2	<100	<5	3.4	1.0	8.41
HND 120865		1	<5	0.6	3	<1	<2	<100	16	<0.5	<0.5	9.75

CERTIFICATION

I, Robert K. Abernethy, B.A.Sc. of R.R.#1 Dalton Road, Timmins, Ontario, certify that:

1. I am a graduate of the University of Toronto, with a Bachelor of Applied Science degree in Geo-engineering obtained in 1985.
2. I have been practising my profession in Ontario and Quebec since 1985.

Dated this September 1, 1987
TIMMINS, Ontario

Rob Abernethy
Robert Abernethy, B.A.Sc.



#212/87

#

Mi

410155E0053 2.10509 SWAYZE

900

Type of Survey(s) Geochemical		Township or Area SWAYZE and DENYES	
Claim Holder(s) GLEN AUDEN RESOURCES LIMITED		Prospector's Licence No. T-1915	
Address 5716 Box 1637 Timmins Ont P4N 7W8			
Rvs. Company RS. MIDDLETON EXPLORATIONS.		Date of Survey (from & to) Day Mo. Yr. Day Mo. Yr. 07 06 87 25 06 87	
Name and Address of Author (of Geo-Technical report) Rob Abernethy - Box 1637 Timmins Ont		Total Miles of line Cut 29. Kms.	

Credits Requested per Each Claim in Columns at right

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic	
	- Magnetometer	
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric	
	- Other	
	Geological	
	Geochemical	

Man Days	Geophysical	Days per Claim
Complete reverse side and enter total(s) here	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	

Airborne Credits	Geophysical	Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	- Electromagnetic	
	- Magnetometer	
	- Radiometric	

RECORDED
SEP 10 1987

Mining Claims Traversed (List in numerical sequence)

Mining Claim			Mining Claim		
Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
	866466	NIL		932199	NIL
	866467	10		932200	NIL
	866468	NIL		932201	NIL
	866469	NIL		932501	NIL
	866470	NIL		932502	14
	866471	NIL		932503	40
	866472	NIL		932504	14
	866473	NIL		932505	40
	866474	NIL		932506	NIL
	866475	NIL		932507	NIL
	930726	NIL		932508	NIL
	930727	NIL		932509	NIL
	931809	NIL		932510	NIL
	931810	NIL		932511	NIL
	931811	NIL		932512	15
	931812	NIL		932513	10
	931819	NIL		932514	NIL
	931820	10			NIL
	931821	NIL			NIL
	932196	NIL			NIL
	932197	NIL			NIL
	932198	NIL			NIL

Expenditures (excludes power stripping) (Set 77-19)

Type of Work Performed
Lithochemical sampling

Performed on Claim(s)
see sample location map.

Calculation of Expenditure Days Credits

Total Days Credits = **15** = **153.8**

Instructions
Total days credits to be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Date
Aug 31 / 1987

Recorder Holder or Agent (Signature)
Rob Abernethy

For Office Use Only

Total Days Cr. Recorded
153

Date Recorded
Sept 9 / 87

Date Approved or Recorded
See Revised statement

Mining Recorder
Wanley

Branch Director

Total number of mining claims covered by this report of work. **39**

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying
Rob Abernethy 136 Cedar St S. Timmins P.O. Box 1637 P4N 7W8

Date Certified
Aug 31 / 87

Certified by (Signature)
L. W. Abernethy

November 16, 1987

Your File: 212/87
Our File: 2.10509

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

Dear Sir:

RE: Data for Assaying submitted under Section 77(19)
of the Mining Act R.S.O. 1980 on Mining Claims
P 866466 in the Townships of Swayze and Denyes

The enclosed statement of assessment work credits for Assaying
has been approved as of the above date.

Please inform the recorded holder of these mining claims and
so indicate on your records.

Yours sincerely,

W.R. Cowan, Manager
Mining Lands Section
Mines and Minerals Branch

Whitney Block, Room 6610
Queen's Park
Toronto, Ontario
M7A 1W3

Telephone: (416) 965-4888

SH:pl
Enclosure

cc: Resident Geologist
Timmins, Ontario

Glen Auden Resources Limited
Box 1637
Timmins, Ontario
P4N 7W8



Recorded Holder
Glen Auden Resources Limited

Township ~~of XXX~~
Swayze and Denyes

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic _____ days Magnetometer _____ days Radiometric _____ days Induced polarization _____ days Other _____ days	<p>\$2,306.50 SPENT ON ASSAYING SAMPLES TAKEN FROM MINING CLAIMS:</p> <p>P 866469-70-72 932196-97 932200 932501 to 507 inclusive 932509 to 511 inclusive</p>
Section 77 (19) See "Mining Claims Assessed" column	
Geological _____ days	
Geochemical _____ days	
Man days <input type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input type="checkbox"/> Ground <input type="checkbox"/> <input type="checkbox"/> Credits have been reduced because of partial coverage of claims. <input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	

153.8 days credit allowed which may be grouped in accordance with Section 76(6) of the Mining Act R.S.O. 1980.

Special credits under section 77 (16) for the following mining claims

[Empty box for special credits]

No credits have been allowed for the following mining claims

not sufficiently covered by the survey insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geological - 40; Geochemical - 40; Section 77(19) - 60.









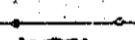



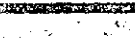



DENYES

DISTRICT OF SUDBURY

PORCUPINE MINING DIVISION

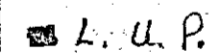
SCALE: 1-INCH = 40 CHAINS

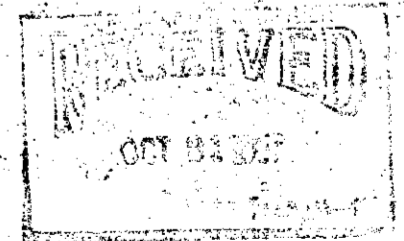
LEGEND

- PATENTED LAND 
- CROWN LAND SALE 
- LEASES 
- LOCATED LAND 
- LICENSE OF OCCUPATION 
- MINING RIGHTS ONLY 
- SURFACE RIGHTS ONLY 
- ROADS 
- IMPROVED ROADS 
- KING'S HIGHWAYS 
- RAILWAYS 
- POWER LINES 
- MARSH OR MUSKES 
- MINES 
- CANCELLED 
- PATENTED FOR S.R.O. 

NOTES

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

 L. U. P.



Received Jan. 4/80

PLAN NO. M.758

ONTARIO

MINISTRY OF NATURAL RESOURCES

SURVEYS AND MAPPING BRANCH

Raney Twp. - M.1069

Halcrow Twp. - M.906

Swayze Twp. - M.1150

Greenlaw Twp. - M.895



410155E0053 2.10599 SWAYZE

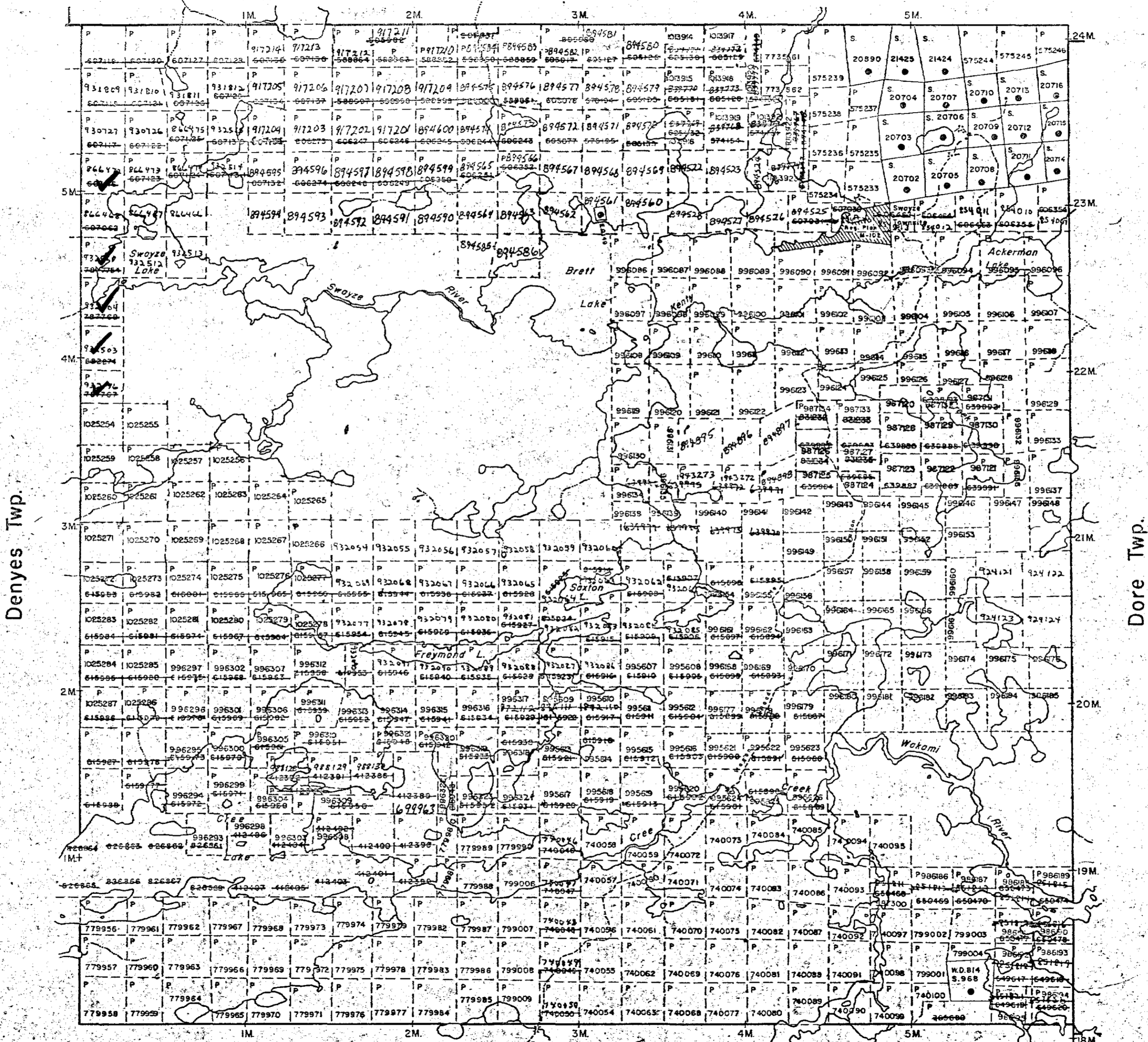
REFERENCES

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

Rollo Twp.



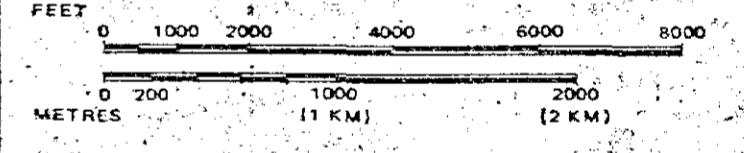
LEGEND

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

DISPOSITION OF CROWN LANDS

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

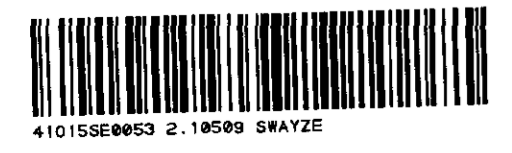
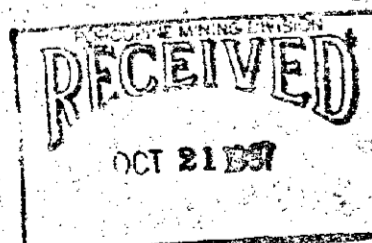
NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC. 1.



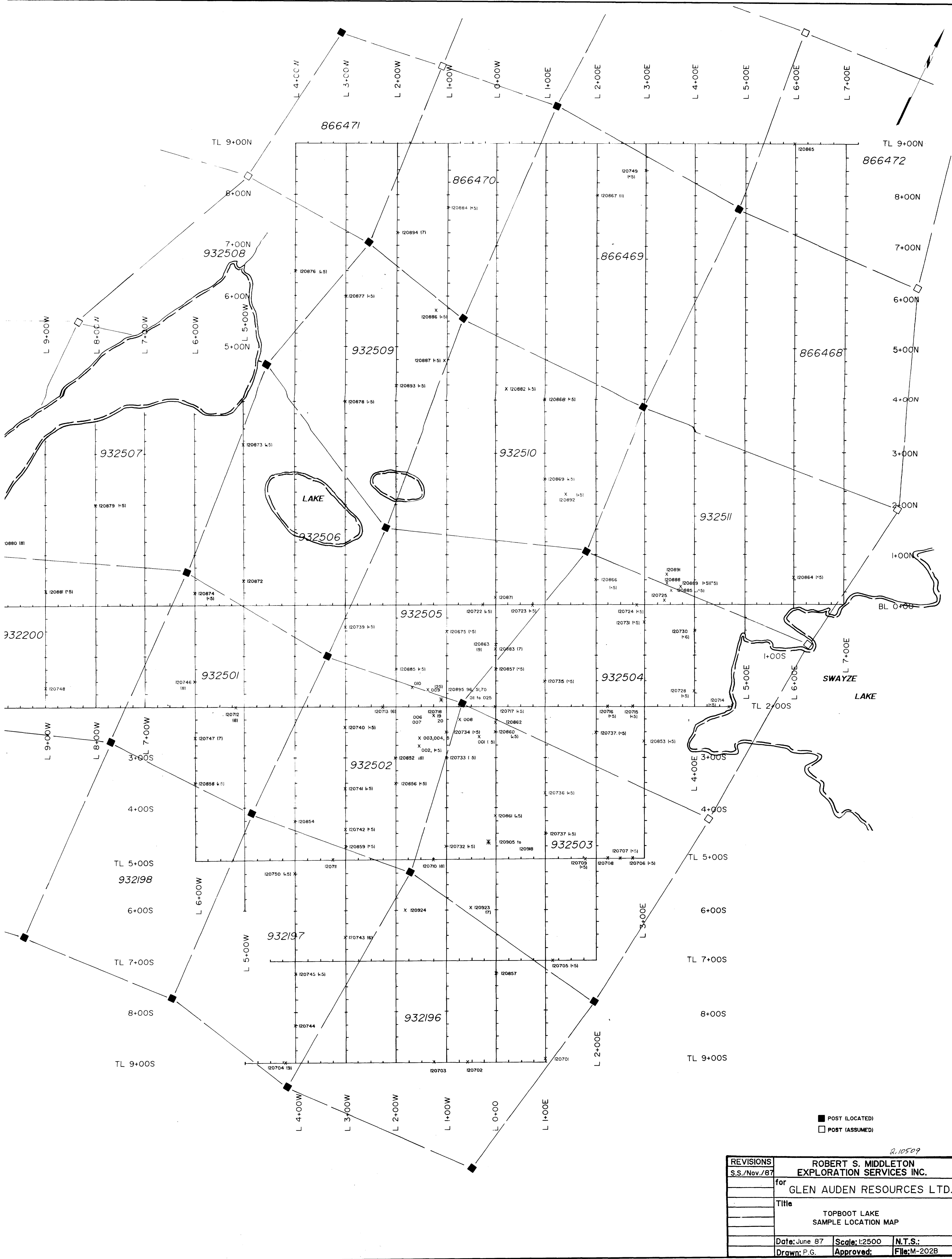
TOWNSHIP
SWAYZE
 M.N.R. ADMINISTRATIVE DISTRICT
CHAPLEAU
 MINING DIVISION
PORCUPINE
 LAND TITLES / REGISTRY DIVISION
SUDBURY

Ministry of Natural Resources Ontario
 Land Management Branch

Date: MARCH, 1985
 Number: **G-3249**



Cunningham Twp.



■ POST (LOCATED)
 □ POST (ASSUMED)

2.10509

REVISIONS	ROBERT S. MIDDLETON EXPLORATION SERVICES INC.		
S.S./Nov./87	for GLEN AUDEN RESOURCES LTD.		
	Title TOPBOOT LAKE SAMPLE LOCATION MAP		
Date: June 87	Scale: 1:2500	N.T.S.:	
Drawn: P.G.	Approved:	File: M-202B	



POST LOCATED
 POST ASSIGNED

R. S. Middleton

ROBERT S. MIDDLETON EXPLORATION SERVICES INC.		
for GLEN AUDEN RESOURCES LTD		
Title TOPBOOT LAKE SAMPLE LOCATION MAP		
Date: June 87	Scale: 1:2500	N.T.S.
Drawn: F.G.	Approved:	File: M-202B

