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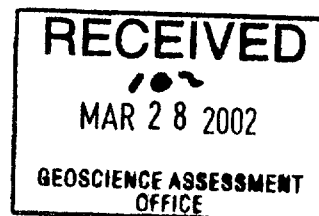
CRESCENT LAKE

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2.23317

Platinova Resources Ltd.
Property Evaluation
Of
The Zigzag Tantalum – Lithium Property

NTS: 52 – I – 8



By: Des Cullen
H.B.Sc
March 25, 2002

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Introduction

Platinova Resources Ltd. has a tantalum – lithium property in the Crescent Lake Area of Northwestern Ontario. Clark Exploration Consulting was asked to confirm the reported assays and to suggest a future exploration strategy for the property.

Location and Access

The property consists of 8 claims (46 units) covering ~745 ha or 1840 acres. They are located on the south end of Zigzag Lake approximately 55 km ENE of the town of Armstrong on the northern route of the CNR railway. The claims are accessible by floatplane from Armstrong to Zigzag Lake. An old winter road crosses the property and some recently opened logging roads come within 5 km of the main area of interest.

Tenure

The following claims are included with the property:

Claim	Unit size	Due Date	Owner	\$ Required
TB 1234229	6	March 30/2002	Todd Maitland	\$2400
TB 1240347	2	Feb 7/2003	Mugor Resources Inc.	\$800
TB 1240353	2	Feb 7/2003	Mugor Resources Inc.	\$800
TB 1240354	8	Feb 7/2003	Mugor Resources Inc.	\$3200
TB 1242684	8	Feb 7/2003	Mugor Resources Inc.	\$3200
TB 1242685	8	Feb 7/2003	Mugor Resources Inc.	\$3200
TB 1242686	8	Feb 7/2003	Mugor Resources Inc.	\$3200
TB 1242687	4	Feb 7/2003	Mugor Resources Inc.	\$1600

Previous Work

The main spodumene-bearing pegmatite on the property was discovered in June 1956 by prospector Frank Tebishogeshik, along the north side of a ridge extending westerly from the rapids and chute between Zigzag Lake and Tettares Lake. This pegmatite and others nearby were acquired and explored during 1956 and 1957 by Dempster Explorations Limited. Dempster stripped and trenched the main pegmatite units, carried out channel sampling and drilled one short packsack hole. The claims were abandoned because the markets for lithium deteriorated. There was some renewed interest between 1976 and 1984 when Bird Rive Mines evaluated the pegmatites for tantalum and tin and Cominco explored for extensions of the pegmatites towards the southwest. In 1997 Nolan Cox did some preliminary geophysics and geology and the core claim area was staked in March 2000 by Garry Clark and optioned by Murgor Resources Inc.

In addition to the main pegmatite zone above, there are a number of other pegmatites which were discovered about the same time and have similar mineralogy and characteristics but did not appear to have as much potential for lithium as the Tebishogeshik deposit. These are briefly described by E.G. Pye in the ODM Geol. Rept. 55, 1968 (attached) and have received little exploration attention since the original discoveries. Obviously these zones deserve examination during future programs.

Geology

The geology of the area including more detail on the spodumene pegmatites is well described by Pye (attached). The main pegmatite of interest extends over 800 m in length and occurs as a series of en echelon lenses set in mafic metavolcanics (now schistose amphibolite) within 30 m of the contact of an albite microcline porphyritic granite, forming part of an extensive batholith on the south

margin of the greenstone belt. The foliation in the metavolcanics trend about N75°E and dip 75°N, whereas the pegmatite lenses dip about 65°S.

The lenses are all similar in appearance with coarse pale greenish grey spodumene and pale pink K feldspar set in a finer grained matrix of quartz, albite and greenish muscovite. Accessory apatite, beryl, tourmaline and garnet are present locally. Zoning is not obvious although the grain size decreases nearer the contacts and in a few places (e.g. the "helicopter pad" on lens No. 2), there is evidence of a more quartz rich core and a significant decrease in spodumene nearer the contact. The channel sampling results show the most consistent higher Li₂O values in lens No. 4 with 1.68% Li₂O over 26 feet in one location. Nearby, later sampling by Bird River Mines returned 0.045% Ta₂O₅ across 8.4 m of the pegmatite dike.

Recent Work

No significant stripping or trenching work has been done since the original work in the 1950s, on evaluating the lithium potential of the Zigzag Lake pegmatites and only the surface sampling by Bird River Mines in the late 1970s addressed the tantalum potential. In July a day visit to the property confirmed the available geology mapping and relocated the sampling sites of both Dempster and Bird River. Grab samples of the pegmatite from various locations returned significant tantalum values (101 ppm to 916 ppm Ta - see table), confirming the general Ta values of the earlier sampling which are significant in the current economic environment.

Recommendations

The earlier surface work outlines a core area of interest where there are 4 en-echelon lenses of pegmatite dike over a strike length of some 400 m, dipping about 65°S, with an average width of 7.6 m. There may be a pegmatite resource of some 400,000 tonnes to a depth of 50 m. The next exploration step is to carry

out a systematic sampling program of the lenses with a program of surface saw cuts and 500 meters of diamond drilling in 12 holes. Total cost for this program would be about \$65,000.

Respectively Submitted,

A handwritten signature in black ink, appearing to read "Des Cullen". The signature is fluid and cursive, with the first name "Des" and the last name "Cullen" clearly distinguishable.

Des Cullen
H.B.Sc.
March 2002

Appendix A

Certificate of Qualifications

I, Des Cullen do hereby certify:

- 1) I am a resident of Kaministiquia, Ontario, Canada with address R.R.#2, Kaministiquia, P0T 1X0. I am self-employed as a consulting geologist.
- 2) I am a graduate of Lakehead University, Thunder Bay, Ontario (H.B.Sc., Geology, 1988)
- 1) I have been engaged in base metal and precious metal exploration and mining as a geologist since 1983, and am a "Qualified Person" in the context of National Instrument 43-101.
- 2) I am a member of the Association of Geoscientists of Ontario.
- 3) As of the date of this report I am not aware of any material facts or material change with respect to the subject matter of the report which is not reflected in this report by written inclusion or reference.
- 6) I have not received, directly or indirectly, any interest in the company and its properties; nor do I expect to receive any.

Signature: 

Name: Des Cullen

Date: MAR 26/02

Appendix B

SAMPLE REPORT SHEETProject Area Zig Zag Lake/ North Lamaune

Sample #	Sample Type	Assays							Sample Description
		Ta (ppm)	Ta %						
23406	Grab	268.0	0.027						15% spodumene up to 2 inches long (pale green); several garnet (3-4 mm); several tantalite grains (?)
23407	Grab	1700.0	.17						As above with trace tantalite/tourmaline up to 5 mm
23408	Grab	250.0	0.025						As above – abundant clevelandite; <5% muscovite; spod. up to 1 cm; trace tantalite/tourmaline up to 4 mm
23409	Grab	518.0	0.052						Spod. is mostly broken down to musc.; several plates of tantalite(?) 2-3mm; common flecks of tantalite/tourmaline; some clevelandite
23410	Grab	164.0	0.016						Oxidized; iron staining throughout; rare spod. left – almost all broken down to musc.; couple of coarse tourmaline up to 1 cm.
23411	Grab	707.0	0.071						Spod. brownish to green up to 4 cm; minor musc.; abundant fine flecks of tantalite(?) /tourmaline; fspr generally has a sugary texture.

SAMPLE REPORT SHEET

Project Area Zig Zag Lake/ North Lamaune

23412	Grab	422.0	0.042						Very little spod.; abundant clevelandite; 20% musc. clots approx 0.5 cm; occasional possible tantalite grains 1-2mm.
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Appendix C

RECEIVED AUG 07 2001

Handwritten: (ZILZM) ORIGINAL GRAB



XRAL Laboratories
A Division of SGS Canada Inc.

1835 Leslie Street
Don Mills, Ontario
Canada M3B 3J4
Telephone (416) 445-5755
Fax (416) 445-4152

CERTIFICATE OF ANALYSIS

Work Order: 064268

To: Platinova A/S
Attn: Jim Pirie
Suite 1414, Guardian Tower
181 University Avenue
TORONTO
ONTARIO, CANADA M5H 3M7

Date : 01/08/01

Copy 1 to :

P.O. No. :
Project No. : TAN
No. of Samples : 16 Rock
Date Submitted : 16/07/01
Report Comprises : Cover Sheet plus
Pages 1 to 4

Please Note:
Gold not determined due to matrix interference.

Distribution of unused material:
Pulps: Discarded After 90 Days Unless Instructed!!!
Rejects: Discarded After 90 Days Unless Instructed!!!

Certified By :

Signature

Dr. Hugh de Souza, General Manager
XRAL Laboratories

ISO 9002 REGISTERED

Subject to SGS General Terms and Conditions

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable - = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

ZIGZAG SELECTED ICP ANALYSES

Summer 2001 - Initial Samples

Sample Ident Scheme Code Analysis Unit Detection Limit	Ta ICMS8 ppm	Nb ICMS8 ppm	Li ICMS80 ppm	Rb ICMS8 ppm	Cs ICMS8 ppm	Ga ICMS8 ppm	Be ICMS80 ppm	Sn ICMS8 ppm	K ICMS80 %	Na ICMS80 %	U ICMS8 ppm	Th ICMS8 ppm	Tl ICMS8 ppm
	0.1	0.1	1	0.2	0.05	0.1	0.5	0.2	0.01	0.01	0.05	0.1	0.1
23401	916	130	97	921	56	94	45	54	1.16	6.70	6.7	7.0	5.5
23402	107	92	5830	705	63	85	79	38	1.01	3.38	5.9	6.8	4.4
23403	107	61	3090	1080	58	98	21	52	1.75	4.31	4.8	9.5	6.5
23404	101	79	2810	819	51	85	46	38	1.13	3.83	12.0	13.5	4.6
23405	166	71	1820	1350	105	79	31	24	1.83	5.62	6.0	10.3	9.7
23406	268	76	1210	447	35	85	88	25	0.61	5.80	4.5	4.5	2.5
23407	1700	351	5600	964	73	64	71	27	1.46	2.64	12.4	26.8	7.2
23408	250	59	4800	769	64	53	297	16	1.61	4.51	3.7	3.8	5.5
23409	518	102	3620	1240	68	87	16	39	1.88	4.31	6.8	8.3	8.5
23410	164	96	2280	795	44	90	50	31	1.08	4.42	4.1	3.8	4.7
23411	707	364	12040	687	58	84	39	43	0.87	1.69	5.9	15.3	5.0
23412	422	142	97	784	120	80	8	23	1.28	6.70	4.2	5.4	4.8
DUP-23401	992	141	92	940	55	99	41	55	1.21	6.94	6.4	6.8	5.3
N Lamauna Samples													
23413	80	38	16870	4610	>1000	113	34	76	2.20	1.15	1.1	1.0	34.4
23414	38	22	4740	10482	>1000	55	23	28	5.64	0.89	0.5	1.2	89.3
23415	22	29	6060	1870	291	99	71	93	1.02	2.77	1.1	1.0	10.2
23416	154	82	10210	1160	414	105	207	70	0.78	3.21	2.6	1.1	6.5
DUP-23413	73.4	30.6	15850	4520	>1000	111	32	72	2.15	1.12	1.0	0.9	33.6

Sample Ident Scheme Code Analysis Unit Detection Limit	A ICMS80 %	B ICMS80 ppm	Ba ICMS80 ppm	Be ICMS80 ppm	Ce ICMS80 %	Co ICMS80 ppm	Cu ICMS80 ppm	Fe ICMS80 %	K ICMS80 %	Li ICMS80 ppm	Mg ICMS80 %	Mn ICMS80 ppm	Nb ICMS80 %
23401	0.01	10.3	<10	12	45.1	0.4	0.8	3.5	0.29	1.16	97	0.02	813
23402	8.27	<10		7	78.3	0.36	1.3	4.6	0.48	1.01	5330	0.06	947
23403	9.14	<10		8	20.5	0.17	3.2	2.2	0.4	1.76	3090	<0.01	449
23404	7.67	<10	<5		46.5	0.15	1.3	8.6	0.41	1.13	2810	<0.01	776
23405	8.45	<10		6	36.7	0.17	2.3	1.2	0.20	1.53	1820	0.01	1000
23406	8.72	<10		7	62.3	0.4	2	4.2	0.3	0.81	1210	0.02	1420
23407	8.88	<10		6	71.5	0.11	1.4	6	0.33	1.48	5800	0.02	838
23408	8.11	<10	<5		297	0.14	0.8	1.7	0.26	1.81	4500	<0.01	852
23409	8.85	<10	<5		16.1	0.18	1.8	1.6	0.38	1.88	3820	<0.01	1040
23410	8.3	<10	<5		50.2	0.1	0.6	10.1	0.65	1.08	2280	<0.01	1840
23411	7.15	<10	<5		38.5	0.04	1.1	4.5	0.22	0.87	12040	<0.01	1280
23412	10.1	<10		12	7.6	0.18	0.8	1.8	0.3	1.23	97	0.02	997
23413	10.9	<10		15	34	0.1	1.9	2.2	0.45	2.2	18870	0.02	1090
23414	7.44	<10		23	33	0.12	2.1	2.2	0.3	5.64	4740	0.06	369
23415	7.5	<10		42	71.2	0.08	1.2	0.4	0.45	1.02	6090	0.06	1020
23416	9.06	<10		87	297	0.13	2.4	3.1	0.31	0.78	10210	0.02	803
DUP-23401	10.7	<10		11	40.5	0.41	2.3	3.1	0.3	1.21	92	0.02	910
DUP-23413	9.9	<10		13	32.2	0.09	<0.1	2.5	0.43	2.18	15850	0.02	1070

Sample Ident Scheme Code Analysis Unit Detection Limit	Ni ICMS80 ppm	P ICMS80 ppm	Pb ICMS80 ppm	S ICMS80 %	Str ICMS80 ppm	Ti ICMS80 %	Zn ICMS80 ppm	Ag ICMS80 ppm	As ICMS80 ppm	Au ICMS80 ppm	Bi ICMS80 ppm	Cd ICMS80 ppm
23401	1	50	84	<0.01	1	0.01	8	0.22	0.9	inf	<0.1	0.1
23402	5	185	11	<0.01	18	<0.01	79	0.2	<0.5	inf	2.4	0.3
23403	3	104	9	<0.01	15	<0.01	101	0.18	<0.5	inf	17.9	0.5
23404	4	101	4	<0.01	13	<0.01	180	0.25	<0.5	inf	2.8	0.5
23405	2	148	4	<0.01	19	<0.01	39	0.2	<0.5	inf	4.1	0.2
23406	5	339	<2	<0.01	15	<0.01	18	0.16	<0.5	inf	17.4	0.1
23407	8	62	<2	<0.01	13	<0.01	21	0.16	<0.5	inf	5.9	0.4
23408	5	149	5	<0.01	13	<0.01	28	0.1	<0.5	inf	7	0.3
23409	3	66	7	<0.01	15	<0.01	32	0.2	1	inf	16	0.3
23410	5	78	2	<0.01	10	<0.01	75	0.18	0.9	inf	0.6	0.3
23411	6	54	<1	<0.01	7	<0.01	33	0.23	0.8	inf	0.3	0.3
23412	3	117	<2	<0.01	18	<0.01	10	0.15	<0.5	inf	<0.1	0.1
23413	4	472	8	<0.01	50	<0.01	79	0.68	1.7	inf	0.2	0.2
23414	5	551	23	<0.01	88	<0.01	25	0.08	2.6	inf	0.2	0.1
23415	3	121	3	<0.01	35	<0.01	108	0.14	1.9	inf	<0.1	0.1
23416	4	271	2	<0.01	34	<0.01	38	0.18	2.1	inf	0.2	0.2
DUP-23401	6	116	61	<0.01	16	<0.01	9	0.19	1.1	inf	<0.1	0.1
DUP-23413	4	425	7	<0.01	47	<0.01	76	0.37	1.9	inf	0.2	0.2

Sample Ident Scheme Code Analysis Unit Detection Limit	Ce ICMS80 ppm	Cr ICMS80 ppm	Cs ICMS80 ppm	Co ICMS80 ppm	Ge ICMS80 ppm	Hg ICMS80 ppm	La ICMS80 ppm	Lu ICMS80 ppm	Mo ICMS80 ppm	Nb ICMS80 ppm	Rb ICMS80 ppm	Sr ICMS80 ppm
23401	0.06	1	0.05	0.1	0.1	0.01	0.1	0.01	0.2	0.1	0.2	0.1
23402	1.2	11	50.4	94.3	0.5	0.08	0.4	0.02	1.2	130	921	0.6
23403	2.38	27	83	95	0.3	0.02	0.8	0.04	2.2	91.8	705	0.9
23404	2.03	20	57.9	97.9	0.2	0.04	0.8	0.08	1.6	60.9	1380	0.6
23405	4.48	41	51.1	84.8	0.4	0.03	1.5	0.09	2.8	78.9	819	0.8
23406	1.87	20	108	79.4	0.2	0.01	0.6	0.08	1.4	71.1	1360	0.2
23407	1.63	27	35	85	0.2	0.02	0.7	0.21	1.7	75.7	447	0.2
23408	4.88	36	72.9	63.8	0.6	0.06	1.8	0.63	2.2	95.1	964	0.3
23409	1.39	18	64.1	52.2	0.2	0.01	0.4	0.55	1.8	50.2	769	0.2
23410	1.97	23	88	86.9	0.2	0.03	0.6	0.22	1.4	102	1240	0.2
23411	1.17	33	44.4	90.1	0.2	0.02	0.4	0.22	2.5	95.8	765	0.2
23412	4.28	73	58.1	88.7	0.3	0.03	1.4	0.09	2.3	364	687	0.2
23413	1.1	17	120	79.8	0.1	0.02	0.4	0.1	1.3	142	784	0.1
23414	0.3	23	>1000	113	0.5	0.07	0.1	0.01	2.5	37.6	4810	5.3
23415	0.3	24	>1000	54.7	0.5	0.02	0.1	0.01	2.4	22.4	10422	5.6
23416	0.28	32	291	99.3	0.7	0.05	<0.1	0.01	2.3	29.4	1870	1.5
23418	0.49	37	414	109	0.4	0.04	0.2	0.01	2.4	81.8	1100	5.3
DUP-23401	1.25	16	84.5	98.6	0.5	0.04	0.5	0.02	1.2	141	940	0.5
DUP-23413	0.31	59	>1000	111	0.5	0.05	0.1	0.01	2.1	30.6	4520	5.6

Sample Ident Scheme Code Analysis Unit Detection Limit	Sc ICMS80 ppm	Sr ICMS80 ppm	Ta ICMS80 ppm	Tb ICMS80 ppm	Th ICMS80 ppm	Tl ICMS80 ppm	U ICMS80 ppm	V ICMS80 ppm	W ICMS80 ppm	Y ICMS80 ppm	Yb ICMS80 ppm	Zr ICMS80 ppm
23401	<1	0.2	0.1	0.1	0.1	0.1	0.05	1	0.05	1	0.1	1
23402	<1	83.6	0.16	0.2	7	5.5	6.73	3	2.19	5	0.1	33
23403	<1	38.1	107	0.3	6.6	4.4	6.94	6	1.1	7	0.2	23
23404	<1	82.4	107	0.2	9.5	8.5	4.9	3	1.48	5	0.1	21
23405	<1	37.5	101	0.6	13.6	4.5	12	4	1.27	9	0.2	48
23406	<1	23.5	186	0.3	10.3	9.7	6.01	6	1.29	7	0.2	40
23407	<1	25	288	0.3	4.5	2.5	4.5	3	1.12	8	0.2	20
23408	<1	27.4	1700	0.4	28.8	7.2	12.4	<1	2.83	7	0.2	24
23409	<1	16.3	260	0.2	3.8	5.5	3.74	2	0.82	2	<0.1	11
23410	<1	39	518	0.4	8.3	8.5	6.79	5	1.85	3	0.2	34
23411	<1	31.3	184	0.3	3.8	4.7	4.14	2	0.92	7	0.2	35
23412	<1	43.4	707	0.5	15.3	5	5.91	<1	1.62	6	0.1	64
23413	<1	22.7	422	0.2	3.4	4.8	4.2	8	1.82	8	0.2	27
23414	1	75.7	83.7	<0.1	1	34.4	1.13	<1	3.83	1	<0.1	11
23415	1	28	35.1	<0.1	1.2	83.3	0.54	5	1.31	<1	<0.1	7
23416	<1	92.6	21.7	<0.1	1	10.2	1.38	<1	2.2	<1	<0.1	22
23418	<1	70.1	154	<0.1	1.1	8.5	2.61	1	1.93	2	<0.1	34
DUP-23401	<1	64.6	932	0.2	6.8	0.3	6.43	2	2.5	5	0.1	39
DUP-23413	2	71.8	73.4	<0.1	0.9	33.5	0.38	<1	3.37	1	<0.1	8

Sample List Scheme Code Analysis Unit Detection Limit	Ba ICMSD ppm	K ICVSB %	Li ICMSD ppm	Ta ICMSD %	Ca ICMSD ppm	Co ICMSD ppm	Ga ICMSD ppm	La ICMSD ppm	Lu ICMSD ppm	Nb ICMSD ppm	Rb ICMSD ppm	Sr ICMSD ppm	Ti ICMSD ppm	Tb ICMSD ppm	Tm ICMSD ppm	U ICMSD ppm	Y ICMSD ppm	Yb ICMSD ppm	Zr ICMSD ppm	Ta/Nb ppm	REE ppm	K/Rb ppm
23401	6.5	0.01	1	<0.01	0.05	0.05	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.05	1	0.1	1			
23402	45.1	1.14	87	<0.01	1.20	58.40	64.3	0.4	0.02	134.8	821	<1	53.6	816.0	0.2	7.0	6.73	5	0.1	33	7.8	
23403	75.4	1.01	5433	<0.01	2.38	61.81	35.0	0.8	0.04	61.8	735	<1	36.1	107.0	0.3	8.8	5.94	7	0.2	29	1.2	
23404	23.5	1.75	3030	<0.01	2.03	57.84	97.9	0.8	0.06	80.8	1030	<1	52.4	107.0	0.2	8.5	4.83	6	0.1	21	1.8	
23405	45.2	1.12	2810	<0.01	4.46	41.10	84.9	1.5	0.09	74.9	618	<1	37.5	101.0	0.6	13.6	12.30	6	0.2	48	1.3	8.87
23406	30.7	1.63	1620	<0.01	1.63	35.00	85.0	0.7	0.21	75.7	447	<1	25.0	268.0	0.3	4.5	4.50	3	0.2	28	3.5	2.45
23407	28.3	0.61	1210	<0.01	4.59	72.30	83.8	1.6	0.53	351.0	964	<1	27.4	1705.0	0.4	26.5	12.40	7	0.2	24	4.3	12.8
23408	71.3	1.45	5620	<0.01	1.80	41.10	52.8	0.4	0.55	52.2	769	<1	18.0	230.0	0.2	3.0	3.74	2	<0.1	11	4.2	2.24
23409	287.0	1.81	4820	<0.01	1.87	59.00	86.9	0.6	0.22	102.8	1240	<1	29.0	518.0	0.4	8.3	6.79	3	0.2	34	8.1	3.58
23410	95.1	1.23	3520	<0.01	1.17	45.40	60.8	0.4	0.27	85.8	735	<1	31.3	164.0	0.3	3.8	4.14	1	0.7	33	8.7	2.29
23411	53.2	1.08	2280	<0.01	4.38	38.10	83.7	1.4	0.09	364.8	837	<1	43.4	737.0	0.5	15.3	5.91	5	0.1	54	1.9	6.37
23412	38.5	0.57	12040	<0.01	1.10	120.00	79.6	8.4	0.10	147.0	784	<1	22.7	472.0	0.2	5.4	4.20	8	0.2	27	8.0	2.00
23413	7.8	1.25	37	<0.01	1.10	120.00	79.6	8.4	0.10	147.0	784	<1	22.7	472.0	0.2	5.4	4.20	8	0.2	27	2.4	0.41
23414	34.0	2.23	6630	<0.01	3.30	>1000	113.0	8.1	0.01	37.6	4610	1	75.7	89.7	<0.1	1.0	1.13	1	<0.1	11	1.7	0.41
23415	23.0	5.84	4740	<0.01	3.30	>1000	54.7	6.1	0.01	22.4	10482	1	32.0	38.1	<0.1	1.2	0.51	<1	<0.1	7	0.7	0.29
23416	71.2	1.02	3060	<0.01	8.29	291.00	95.1	<0.1	0.01	23.4	1670	<1	32.6	21.7	<0.1	1.0	1.00	<1	<0.1	27	1.9	0.70
23417	237.0	0.78	13210	<0.01	8.49	414.00	105.8	0.2	0.01	81.8	1160	<1	30.1	154.0	<0.1	1.1	2.81	2	<0.1	34		
QJP-23401	13.5	1.21	82	<0.01	1.18	>1000	82.8	0.3	0.02	141.0	940	<1	34.6	392.0	0.2	5.8	6.43	5	0.1	38		
QJP-23410	12.2	2.11	15850	<0.01	0.33	>1000	111.0	3.1	0.01	30.6	4520	2	11.6	73.4	<0.1	0.8	0.93	1	<0.1	8		
			High		High		Low		REE	Low	High		High		Low		Low		Low			
La-Na	Li	Rb	Ca	8a	8a	Ca	Ta/Nb															
Zig Zic	3222	3664	784	45	85	83	1.0															5.2
	3635	830	80	66	34	82	7.2															15.0
La-Na	Nb-Ta	Ti	Y	8a	REE	Zr	U	Th	F													
Zig Zic	0.6	0	0.3	2.1	1.0	13	8.8	1.1	na													
	0.3	0	4.7	0.6	1.0	35	8.8	10.2	na													

Zig
Zic

Nb-Ta
AmAm



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Element	Al	B	Ba	Be	Ca	Co	Cu	Fe	K	Li	Mg	Mn	Na	Ni	P	Pb
Method	ICMS80	ICMS80	ICMS80	ICMS80	ICMS80	ICMS80	ICMS80	ICMS80	ICMS80	ICMS80	ICMS80	ICMS80	ICMS80	ICMS80	ICMS80	ICMS80
Det. Lim.	0.01	10	5	0.5	0.01	0.1	0.5	0.01	0.01	1	0.01	5	0.01	1	50	2
Units	%	ppm	ppm	ppm	%	ppm	ppm	%	%	ppm	%	ppm	%	ppm	ppm	ppm
23401	10.3	<10	12	45.1	0.40	0.8	3.5	0.29	1.16	97	0.02	913	6.70	5	107	64
23402	8.27	<10	7	78.8	0.35	1.3	4.6	0.48	1.01	5330	0.06	947	3.38	5	165	11
23403	9.14	<10	6	20.5	0.17	3.2	2.2	0.40	1.75	3090	<0.01	449	4.31	3	104	9
23404	7.87	<10	<5	46.3	0.15	1.3	5.5	0.41	1.13	2810	<0.01	776	3.83	4	101	4
23405	9.45	<10	6	30.7	0.17	2.3	1.2	0.29	1.83	1820	0.01	1050	5.62	2	148	4
23406	8.75	<10	7	88.3	0.40	2.0	4.2	0.30	0.61	1210	0.02	1420	5.20	5	339	>2
23407	6.86	<10	6	71.3	0.11	1.4	6.0	0.33	1.46	5500	0.02	838	2.64	8	62	>2
23408	8.81	<10	<5	297	0.14	0.8	1.7	0.26	1.61	4800	<0.01	632	4.51	5	149	8
23409	8.85	<10	<5	16.1	0.16	1.6	1.6	0.38	1.88	3620	<0.01	1040	4.31	3	95	7
23410	8.30	<10	<5	50.2	0.10	0.5	10.1	0.65	1.08	2280	<0.01	1840	4.42	5	76	2
23411	7.15	<10	<5	38.5	0.04	1.1	4.5	0.32	0.87	12040	<0.01	1280	1.69	5	54	>2
23412	10.1	<10	12	7.6	0.18	0.8	1.6	0.30	1.28	97	0.02	997	6.76	3	117	>2
23413	10.9	<10	15	34.0	0.10	1.9	2.2	0.45	2.20	16870	0.02	1090	1.15	4	472	6
23414	7.44	<10	23	23.0	0.12	2.1	2.2	0.30	5.64	4740	0.06	369	0.99	5	551	23
23415	7.50	<10	42	71.2	0.08	1.2	5.4	0.46	1.02	6060	0.06	1020	2.77	3	131	3
23416	9.05	<10	57	207	0.13	2.4	3.1	0.31	0.78	10210	0.03	603	3.21	4	271	2
*Dup 23401	10.7	<10	11	40.5	0.41	2.9	3.1	0.30	1.21	92	0.02	916	6.94	6	116	61
*Dup 23413	9.50	<10	13	32.2	0.09	<0.1	2.5	0.43	2.15	15850	0.02	1070	1.12	4	425	7
*Blk BLANK	<0.01	<10	<5	<0.5	<0.01	1.3	<0.5	<0.01	<0.01	<1	<0.01	<5	<0.01	<1	<50	>2
*Std SO3	3.26	<10	276	0.8	14.9	6.1	17.3	1.55	1.46	9	5.24	608	0.85	11	440	14



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Element.	S	Sr	Ti	Zn
Method.	ICMS80	ICMS80	ICMS80	ICMS80
Det. Lkn.	0.01	1	0.01	1
Units.	%	ppm	%	ppm
23401	<0.01	18	<0.01	8
23402	<0.01	18	<0.01	73
23403	<0.01	15	<0.01	101
23404	<0.01	13	<0.01	160
23405	<0.01	19	<0.01	39
23406	<0.01	15	<0.01	18
23407	<0.01	13	<0.01	21
23408	<0.01	13	<0.01	28
23409	<0.01	15	<0.01	32
23410	<0.01	10	<0.01	75
23411	<0.01	7	<0.01	33
23412	<0.01	18	<0.01	10
23413	<0.01	50	<0.01	79
23414	<0.01	88	<0.01	23
23415	<0.01	35	<0.01	108
23416	<0.01	34	<0.01	38
*Dup 23401	<0.01	18	<0.01	9
*Dup 23413	<0.01	47	<0.01	76
*Blk BLANK	<0.01	<1	<0.01	<1
*Std 503	0.11	233	0.16	51



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Element, Method, Det. Lim., Units.	Ag ICMS80 0.05 ppm	As ICMS80 0.5 ppm	Au ICMS80 0.2 ppb	Bi ICMS80 0.1 ppm	Cd ICMS80 0.1 ppm	Ce ICMS80 0.05 ppm	Cr ICMS80 1 ppm	Cs ICMS80 0.05 ppm	Ga ICMS80 0.1 ppm	Ge ICMS80 0.1 ppm	Hg ICMS80 0.01 ppm	La ICMS80 0.1 ppm	Lu ICMS80 0.01 ppm	Mo ICMS80 0.2 ppm	Nb ICMS80 0.1 ppm	Rb ICMS80 0.2 ppm
23401	0.22	0.8	inf	<0.1	0.1	1.20	11	56.4	94.3	0.5	0.08	0.4	0.02	1.2	130	921
23402	0.20	<0.5	inf	2.4	0.3	2.36	27	63.0	85.0	0.3	0.02	0.8	0.04	2.2	91.8	705
23403	0.18	<0.5	inf	17.9	0.5	2.03	20	57.9	97.9	0.2	0.04	0.8	0.09	1.6	60.9	1030
23404	0.25	<0.5	inf	2.6	0.5	4.48	41	51.1	84.9	0.4	0.03	1.5	0.09	2.6	78.9	819
23405	0.20	<0.5	inf	4.1	0.2	1.37	20	105	79.4	0.2	0.01	0.5	0.08	1.4	71.1	1350
23406	0.16	<0.5	inf	17.4	0.1	1.63	27	35.0	85.0	0.2	0.02	0.7	0.21	1.7	75.7	447
23407	0.16	<0.5	inf	5.9	0.4	4.58	36	72.9	63.8	0.6	0.06	1.8	0.63	2.2	351	964
23408	0.10	<0.5	inf	7.0	0.3	1.09	18	64.1	52.8	0.2	0.01	0.4	0.55	1.6	59.2	769
23409	0.20	1.0	inf	16.0	0.3	1.67	23	68.0	66.9	0.2	0.03	0.6	0.22	1.5	102	1240
23410	0.18	0.6	inf	0.6	0.3	1.17	33	44.4	90.1	0.2	0.02	0.4	0.22	2.5	95.8	795
23411	0.28	0.8	inf	0.3	0.3	4.28	73	58.1	83.7	0.3	0.03	1.4	0.09	2.3	354	687
23412	0.15	<0.5	inf	<0.1	0.1	1.10	17	120	79.6	0.1	0.02	0.4	0.10	1.3	142	784
23413	0.08	1.7	inf	0.2	0.2	0.30	29	>1000	113	0.5	0.07	0.1	0.01	2.5	37.6	4610
23414	0.08	2.6	inf	0.2	0.1	0.30	24	>1000	54.1	0.5	0.02	0.1	0.01	2.4	22.4	>10000
23415	0.14	1.6	inf	<0.1	0.1	0.28	32	291	99.3	0.7	0.03	<0.1	0.01	2.3	29.4	1870
23416	0.18	2.1	inf	0.3	0.2	0.49	37	414	105	0.4	0.04	0.2	0.01	2.4	81.8	1160
*Dup 23401	0.19	1.1	inf	<0.1	0.1	1.25	15	54.5	98.5	0.5	0.04	0.5	0.02	1.2	141	940
*Dup 23413	0.07	1.9	inf	0.2	0.2	0.31	59	>1000	111	0.5	0.06	0.1	0.01	2.1	30.6	4520
*Blk BLANK	0.05	<0.5	inf	<0.1	<0.1	<0.05	1	<0.05	<0.1	<0.1	0.01	<0.1	<0.01	<0.2	0.2	1.1
*Std 503	0.69	2.7	inf	0.2	0.4	33.7	29	1.03	6.4	0.2	0.02	16.3	0.25	1.1	6.5	40.7



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Element, Method, Def. Lim. Units.	Sb ICMS80 0.1 ppm	Sc ICMS80 1 ppm	Sn ICMS80 0.2 ppm	Ta ICMS80 0.1 ppm	Tb ICMS80 0.1 ppm	Tl ICMS80 0.1 ppm	Tl ICMS80 0.1 ppm	U ICMS80 0.05 ppm	V ICMS80 1 ppm	W ICMS80 0.05 ppm	Y ICMS80 1 ppm	Yb ICMS80 0.1 ppm	Zr ICMS80 1 ppm
23401	0.6	<1	53.6	916	0.2	7.0	5.5	6.73	3	2.19	5	0.1	33
23402	0.6	<1	33.1	107	0.3	6.6	4.4	5.94	6	1.10	7	0.2	29
23403	0.3	<1	52.4	107	0.2	9.5	6.5	4.90	3	1.45	5	0.1	21
23404	0.6	<1	37.5	101	0.6	13.5	4.6	12.0	4	1.27	9	0.2	48
23405	0.2	<1	23.5	166	0.3	10.3	9.7	6.01	6	1.28	7	0.2	40
23406	0.2	<1	25.0	268	0.3	4.5	2.5	4.50	3	1.12	8	0.2	20
23407	0.3	<1	27.4	1700	0.4	26.8	7.2	12.4	<1	2.89	7	0.2	24
23408	0.2	<1	16.3	250	0.2	3.8	5.5	3.74	2	0.62	2	<0.1	11
23409	0.2	<1	39.0	518	0.4	8.3	8.5	6.79	5	1.65	9	0.2	34
23410	0.2	<1	31.3	164	0.3	3.8	4.7	4.14	2	0.92	7	0.2	33
23411	0.2	<1	43.4	707	0.5	15.3	5.0	5.91	<1	1.62	5	0.1	64
23412	0.1	<1	22.7	422	0.2	5.4	4.8	4.20	8	1.62	6	0.2	27
23413	6.8	1	75.7	89.7	<0.1	1.0	34.4	1.13	<1	3.63	1	<0.1	11
23414	5.6	1	28.0	38.1	<0.1	1.2	89.3	0.51	5	1.31	>1	<0.1	7
23415	1.6	<1	92.6	21.7	<0.1	1.0	10.2	1.06	<1	2.20	>1	<0.1	22
23416	5.3	<1	70.1	154	<0.1	1.1	6.5	2.61	1	1.93	2	<0.1	34
*Dup 23401	0.5	<1	54.6	992	0.2	6.8	5.3	6.43	2	2.50	5	0.1	39
*Dup 23413	6.6	2	71.6	73.4	<0.1	0.9	33.5	0.98	<1	3.37	1	<0.1	8
*Blk BLANK	<0.1	<1	<0.2	0.1	<0.1	<0.1	<0.1	<0.05	<1	0.22	>1	<0.1	<1
*Std SD3	0.4	7	1.1	0.6	0.6	4.2	0.3	1.19	42	0.63	18	1.6	70

Date: 2002-MAY-29

GEOSCIENCE ASSESSMENT OFFICE
933 RAMSEY LAKE ROAD, 6th FLOOR
SUDBURY, ONTARIO
P3E 6B5

TODD ROBERT MAITLAND
456B DEWE AVE.,
THUNDER BAY, ONTARIO
P7A 2G7 CANADA

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

Submission Number: 2.23317
Transaction Number(s): W0240.00581

Dear Sir or Madam

Subject: Approval of Assessment Work

We have approved your Assessment Work Submission with the above noted Transaction Number(s). The attached Work Report Summary indicates the results of the approval.

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

If you have any question regarding this correspondence, please contact STEVEN BENETEAU by email at steve.beneteau@ndm.gov.on.ca or by phone at (705) 670-5855.

Yours Sincerely,



Sheila Lessard
Acting Senior Manager, Mining Lands Section

Cc: Resident Geologist

Todd Robert Maitland
(Claim Holder)

Assessment File Library

Todd Robert Maitland
(Assessment Office)

Date / Time of Issue May 10 2002 16:48h Eastern

TOWNSHIP / AREA PLAN
CRESCENT LAKE AREA G-0027

ADMINISTRATIVE DISTRICTS / DIVISIONS
Mining Division Thunder Bay
Land Titles/Registry Division THUNDER BAY
Ministry of Natural Resources District THUNDER BAY

TOPOGRAPHIC	LAND TENURE
<ul style="list-style-type: none"> Asynchronous Boundary Township Concession Lot Frontage Fee Open Reserve City, Town or Village Control - Agric. Aerialy Class. Reserve Sheet Mine Headframe Patrol Road Tail Watercourse Hydro Line Communication Line Wooded Area Measurement: Elevation, Horizontal, Vertical Control 	<ul style="list-style-type: none"> Freehold Patent <ul style="list-style-type: none"> Surface And Mining Rights Surface Rights Only Mining Rights Only Leasehold Patent <ul style="list-style-type: none"> Surface And Mining Rights Surface Rights Only Mining Rights Only License of Occupancy <ul style="list-style-type: none"> Use of Surface Surface And Mining Rights Surface Rights Only Mining Rights Only Land Use Permit Clear in Court Water Power Lease Agreement Mining Claim
	LAND TENURE WITHDRAWALS
	<ul style="list-style-type: none"> Area Withdrawn from Open Access Mining and Withdrawal Types <ul style="list-style-type: none"> Surface Rights Only Withdrawal Mining Rights Only Withdrawal Order in Council Withdrawal Types Surface and Mining Rights Withdrawal Surface Rights Only Withdrawal Mining Rights Only Withdrawal
	IMPORTANT NOTICES

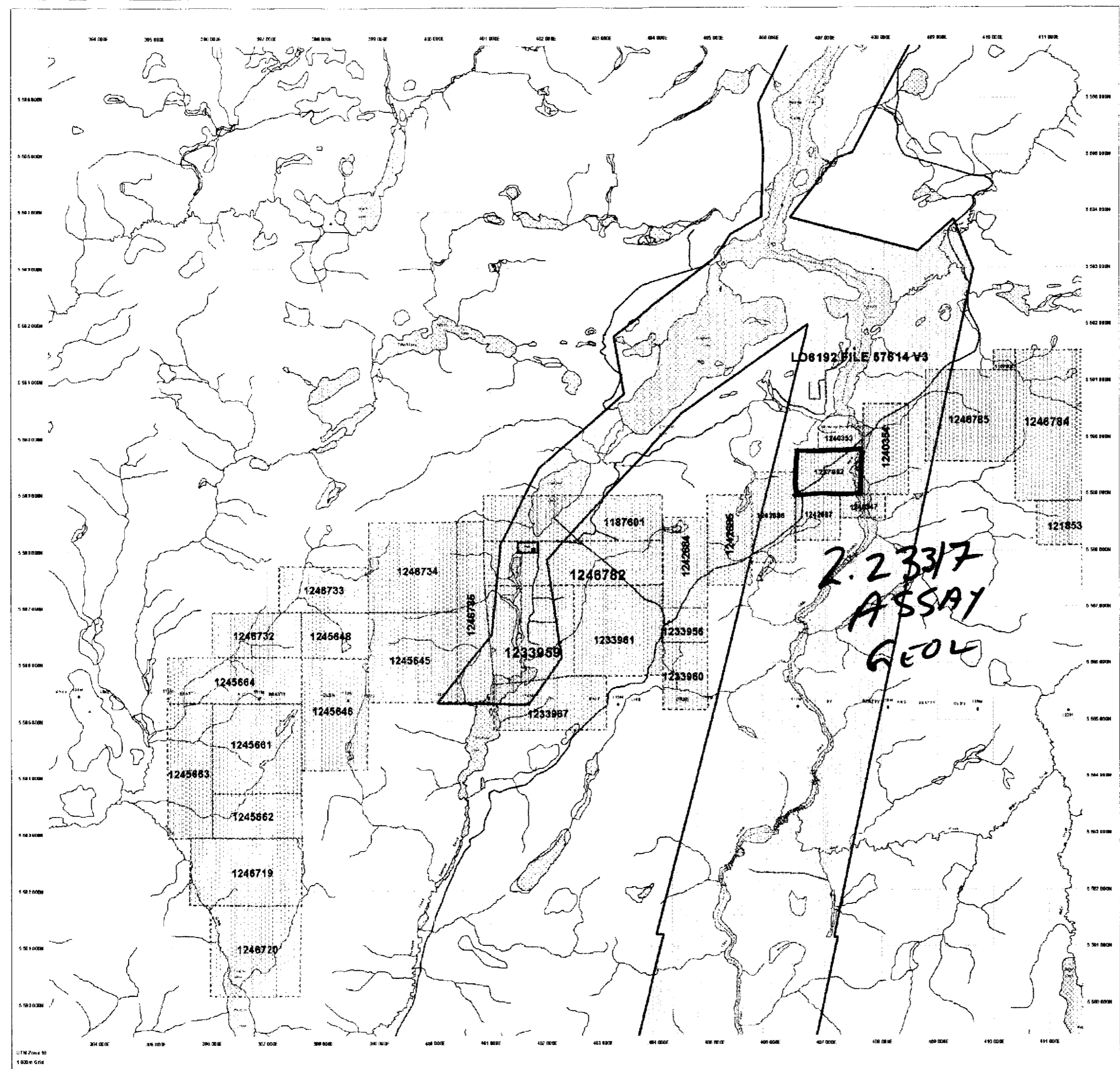


LAND TENURE WITHDRAWAL DESCRIPTIONS

Withdrawal	Type	Date	Description
WEM 4574	WOM	Jan 1 2001	SURFACE AND MINING RIGHTS WITHDRAWN FROM STAKING ORDER NO. WTS 848
			WOM FOR PROPOSED WABANIK PARK EXPANSION (SEE WABANIK PARK LAND ROLL)

IMPORTANT NOTICES

Areas under which special regulations, limitations or conditions will affect normal prospecting, staking and mineral development activities.



52108W2002 2.23317
CRESCENT LAKE

This map is a planning tool and should not be used for legal purposes. For additional information on the status of the land shown here, the map is not intended to be a legal document. For more information on the map, please contact the Provincial Mining Records Office at the Ministry of Northern Development and Mines.

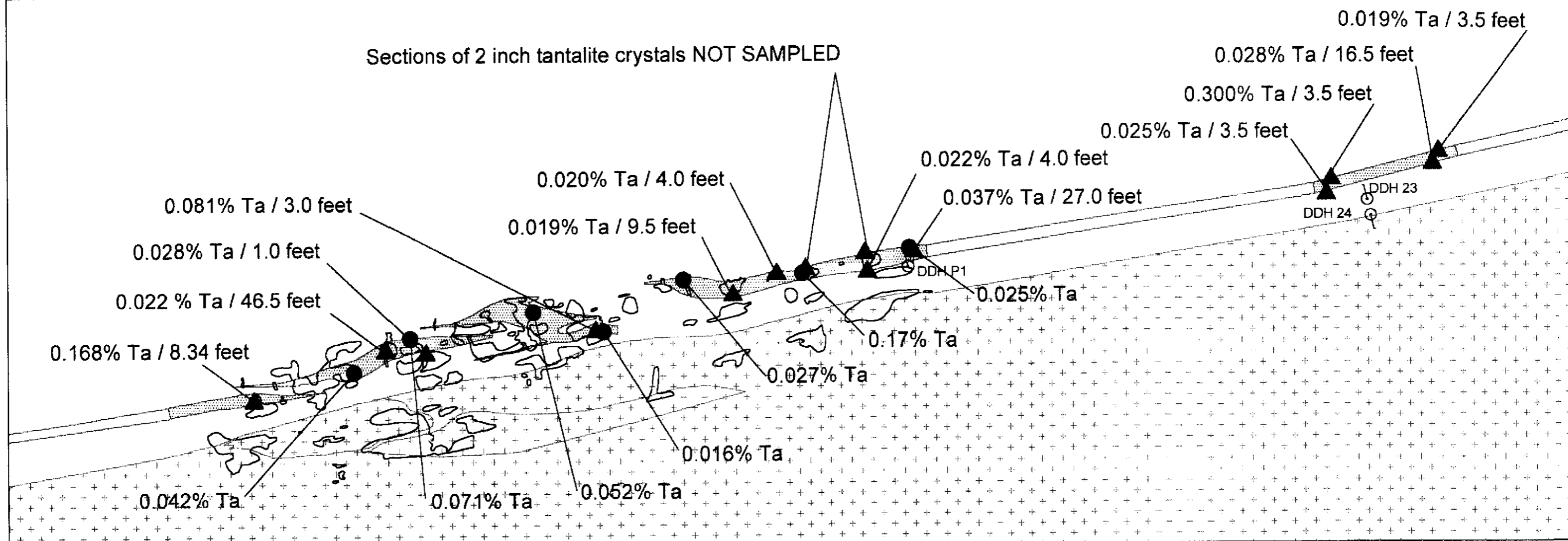
General Information and Limitations

Contact Information:
Provincial Mining Records Office, 2nd Floor
9800 Queen Mary Road, Sault Ste. Marie, Ontario
S6R 1A6, Canada Tel: 1 (800) 455-8687
Fax: 1 (877) 678-1444
Sault Ste. Marie, Ontario P3C 6S5
Home Page: www.gov.on.ca/MNDM/MINES/LAND/STAKINGPAGE.HTM

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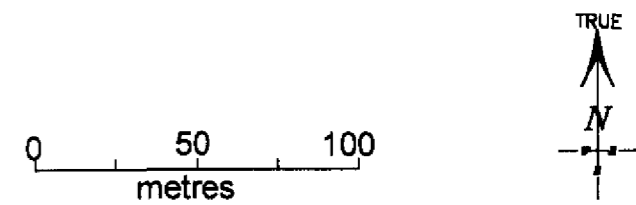


Main Showing Area : Tebishogeshik Pegmatite Deposit



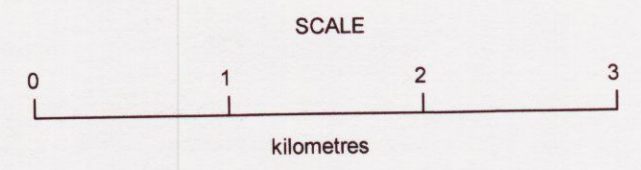
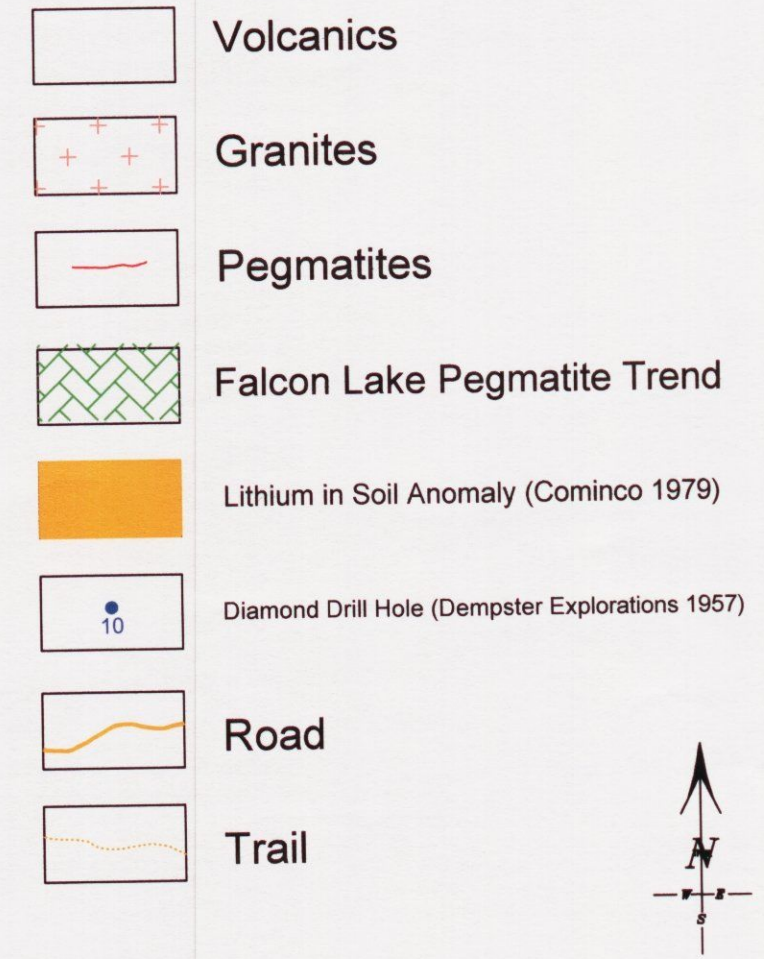
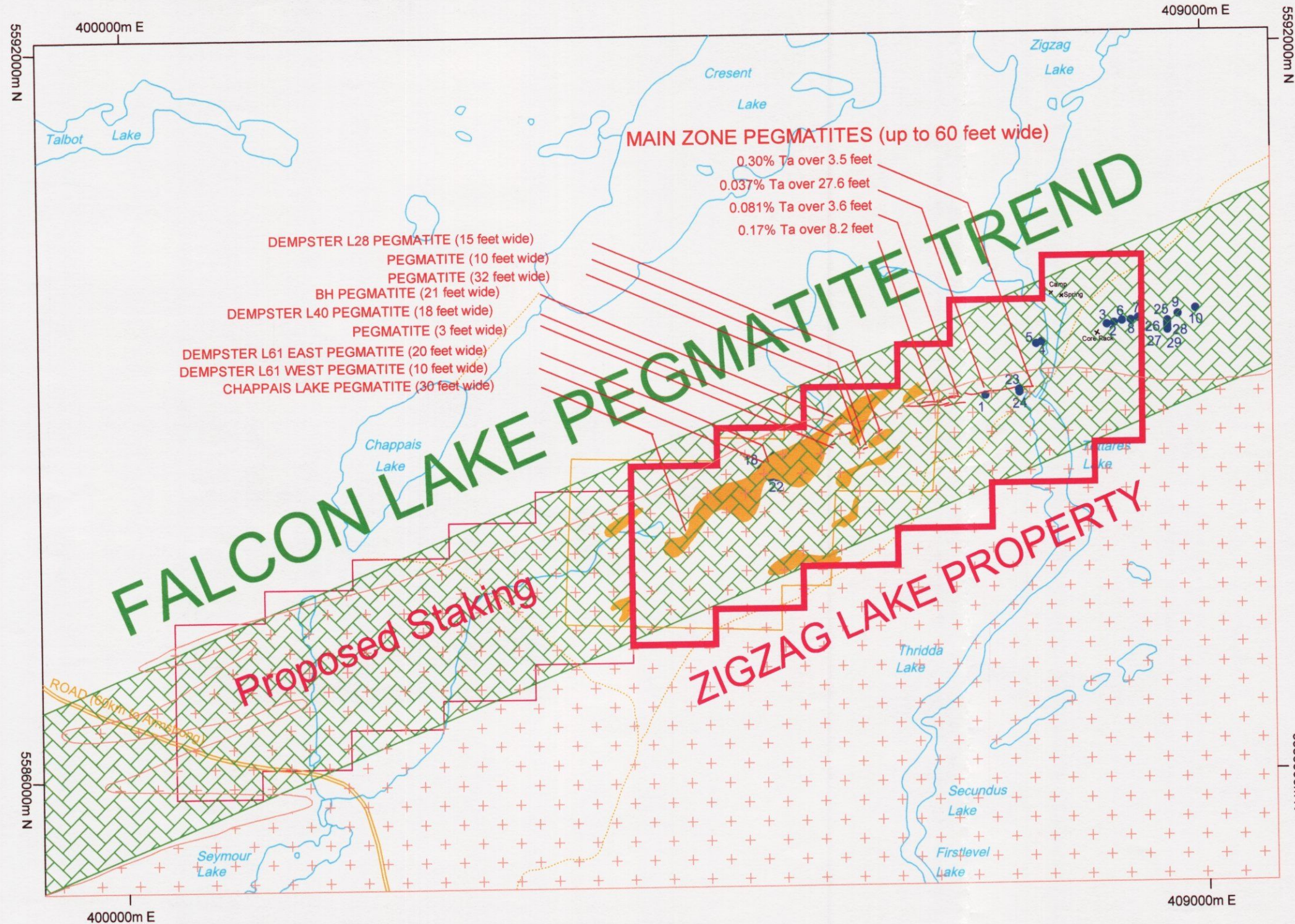
- Granitic Intrusion
- Mafic Intrusion
- Rare-metal Pegmatite
- Predominantly Mafic Volcanic

- Channel Samples
- 2001 Samples (grabs)
- Diamond Drill Hole



(Geology and sampling modified from Bird River Mines 1981)

As full MARCH 26/02



Clark Exploration Consulting January 2001

Dr. Bull
marcy 26/02