

TECK EXPLORATION LTD.

NORTH BAY, ONTARIO



42D16NE2005 2.20505 CIRRUS LAKE

010

**ASSESSMENT REPORT ON THE
2000 EXPLORATION PROGRAM
ON THE GOODCHILD LAKE PROPERTY
CIRRUS LAKE/LORNA LAKE AREAS, ONTARIO**

2. 20505

by

J. Paakki

Report No. 1338NB

N.T.S. 042 D/16

08-09-00

SUMMARY

The Goodchild Lake Property is located in the Hemlo-Heron Bay greenstone belt, approximately 25 kilometres north-northeast of Marathon, Ontario. The property consists of two adjoining claims (TB1232129, TB1210470), totaling 25 units in the Lorna Lake and Cirrus Lake areas, Thunder Bay Mining Division. The property is currently being explored by Teck Exploration Ltd.

The 2000 exploration program consisted of geological mapping and outcrop sampling. Mapping indicates the property is underlain by predominantly northwest-trending, steeply dipping mafic volcanic flows that have been intruded by a quartz monzonite stock, Beggs Lake Stock, in the southwestern portion of the claims. A serpentinite body underlies the northern portion of the property.

Three styles/environments of mineralization are recognized: (1) sheared, pyritic Fe-carbonate altered mafic volcanics; (2) disseminated pyrite and quartz veining along the contact of the Beggs Lake Stock; and (3) disseminated and fracture-controlled chalcopyrite and pyrrhotite in cherty footwall rocks at the base of the serpentinite. Samples collected from sheared, pyritic mafic volcanics returned up to 5.5 g/t gold.

Further work on the property should be considered to evaluate areas of anomalous gold mineralization, namely (1) and (2) above.



TABLE OF CONTENTS

	<u>Page</u>
INTRODUCTION.....	1
LOCATION AND ACCESS	1
CLAIMS.....	1
PREVIOUS WORK.....	1
GEOLOGICAL SETTING.....	2
2000 EXPLORATION PROGRAM.....	3
RESULTS AND CONCLUSIONS	4
RECOMMENDATIONS.....	5
REFERENCES.....	6

APPENDICES

APPENDIX I	Trench Maps
APPENDIX II	Analytical Results

TABLES

TABLE 1	Summary of 2000 Exploration Expenditures -----	3
---------	--	---

ILLUSTRATIONS

<u>Figures</u>		<u>After Page</u>
1	Location Map-----	1
2	Claim Sketch -----	1
3	Geology of the Hemlo-Heron Bay Greenstone Belt-----	2

Drawings

Map 1

Geology & Sample Locations,
Goodchild Lake Property

1:5,000-----In Pocket

INTRODUCTION

The Goodchild Lake Property was optioned by Teck Corporation from prospectors, Peter Moses and Brian Gionet, under an agreement dated December 16, 1999. The property is currently being explored by Teck Exploration Ltd. in an effort to locate gold deposits that can serve as mill feed for Teck's existing operations at Hemlo, located 30 kilometres to the southeast. The 2000 exploration program consisted of geological mapping and outcrop sampling to evaluate newly uncovered gold occurrences. This report describes work completed in 2000 and makes recommendations for continued exploration.

LOCATION AND ACCESS

The Goodchild Lake Property is located 25 kilometres north-northeast of the town of Marathon, Ontario (Fig. 1). Access to the property requires helicopter support.

CLAIMS

The property consists of two staked, adjoining claim blocks totaling 25 units; TB1232129 (10 units) and TB1210470 (15 units). The claims are located in the Lorna Lake (G-0598) and the Cirrus Lake (G-0587) areas in the Thunder Bay Mining Division (Fig. 2). Teck Corporation is the recorded holder of both claims.

PREVIOUS WORK

Previous work dates back to the 1950's which focused largely on copper-nickel prospects in the area by Violamac Mines Limited and Anaconda. Regional geological surveys were completed in 1967 by the Ontario Department of Mines (Milne, 1967).

More recent work in the area includes gold exploration in the late 1980's and early 1990's by Gregor Goldfields on the Wire Lake property located 6 kilometres to the south,

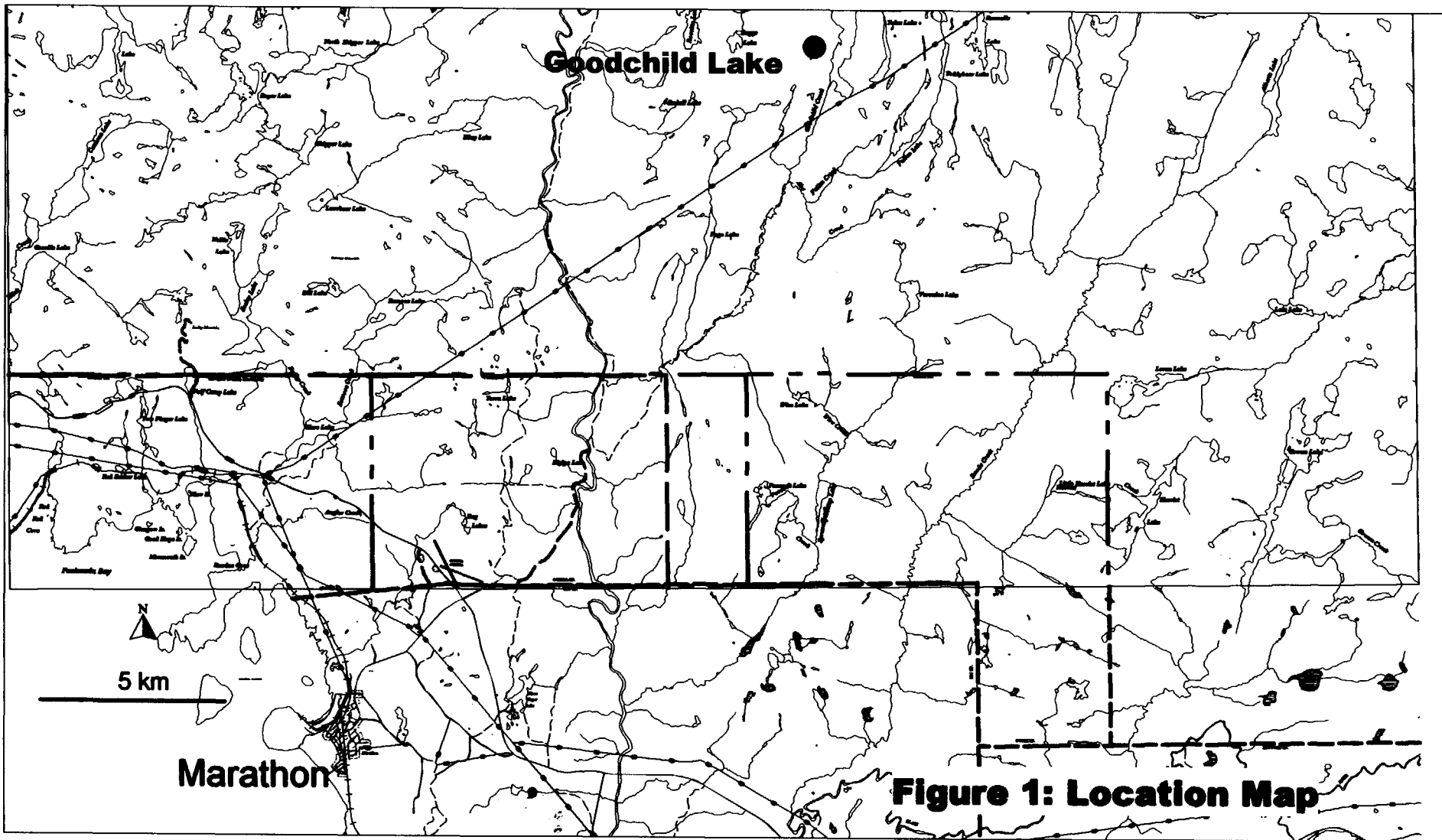
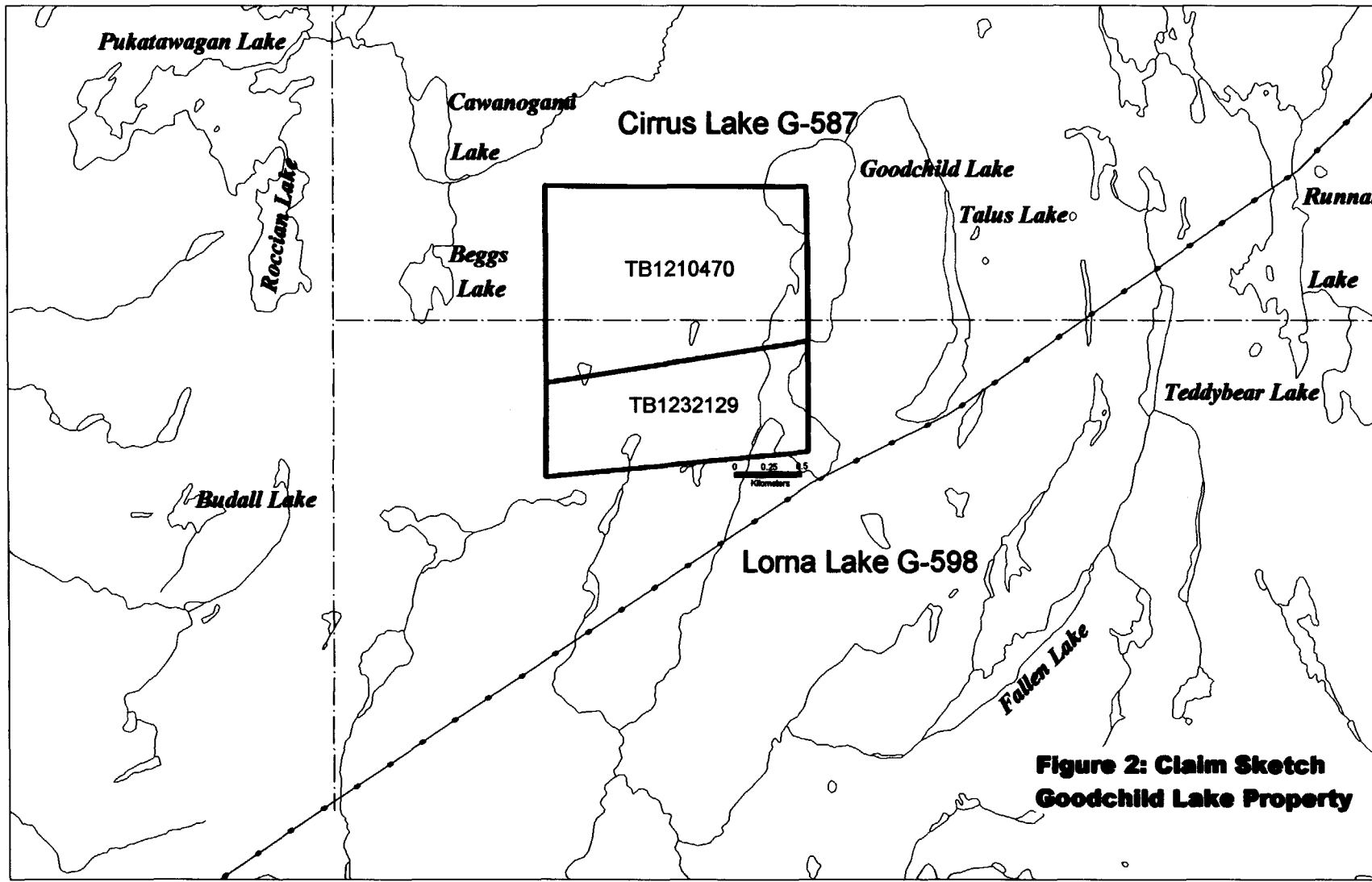


Figure 1: Location Map



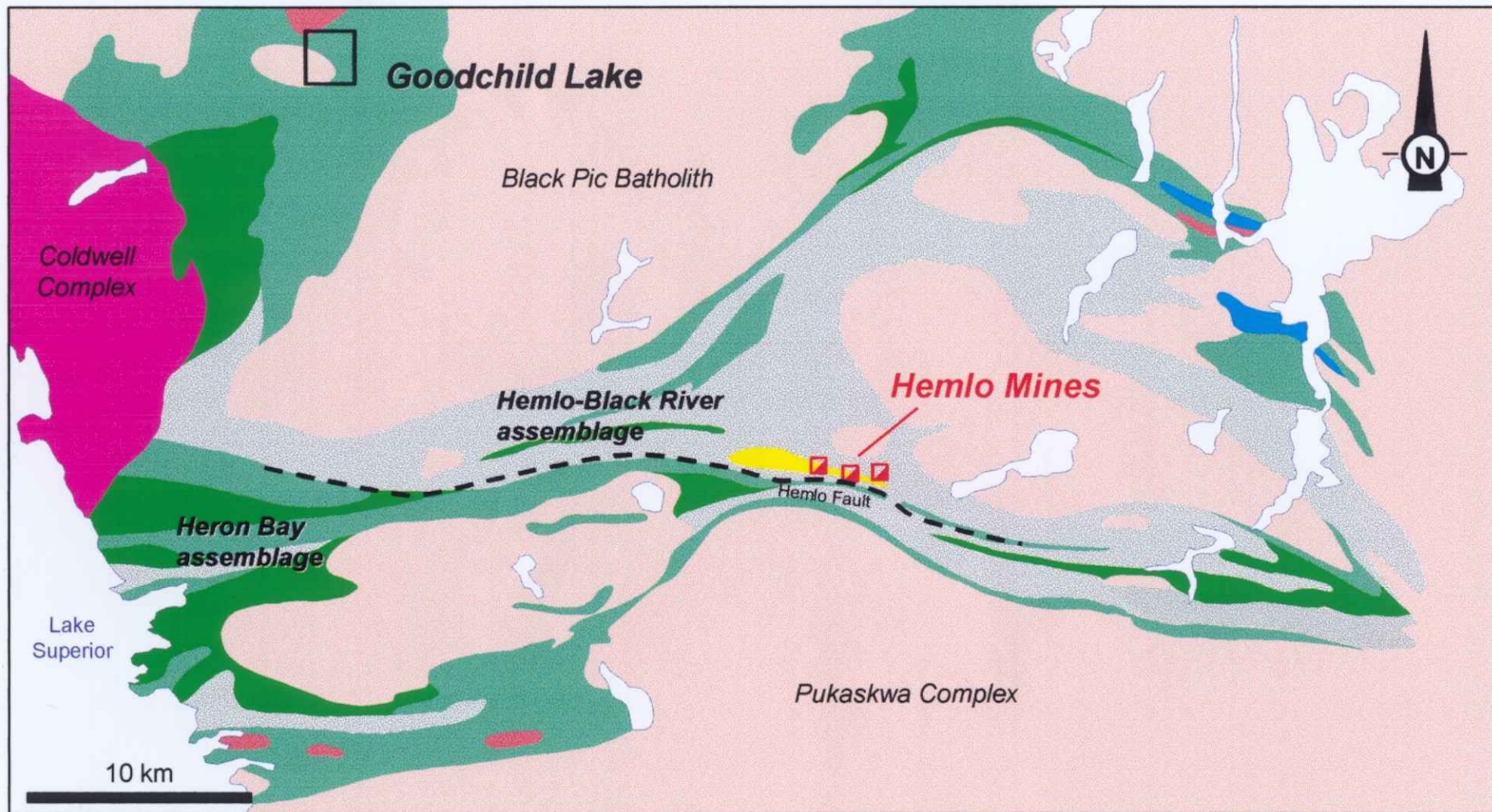
government lake sediment geochemistry surveys over the area, and most recently prospecting activities (Schnieders et al. 1998 and references therein). Prospecting has led to the discovery of new gold occurrences including assays up to 8.6 g/t gold on the present claims by Peter Moses.

GEOLOGICAL SETTING

The Goodchild Lake Property covers part of the eastern extension of the Hemlo-Schrieber Greenstone Belt of the Wawa Subprovince of the Archean Superior Province. The greenstone belt extends 150 kilometres from White River in the east to Schrieber in the west. The Proterozoic Coldwell Alkalic Complex intrudes the greenstone belt and separates the belt into two segments. The Goodchild Lake Property is located in the eastern segment, known as the Hemlo-Heron Bay segment, the Hemlo-Heron Bay greenstone belt (Fig. 3). The description of the greenstone belt provided here is largely summarized from Muir et al. (1999).

The Hemlo-Heron Bay greenstone belt is bounded by gneissic to foliated tonalite-granodiorite of the Black Pic Batholith to the north and the Pukaskwa Complex to the south. Major lithologic trends within the belt are subparallel to the contacts of the batholiths. A major fault, the Hemlo fault zone subdivides the greenstone belt into two assemblages, the Hemlo-Black River assemblage to the north and the Heron Bay assemblage to the south. The Goodchild Lake Property covers part of the Hemlo-Black River assemblage. Late granitoid rocks intrude supracrustal rocks. Proterozoic diabase dykes cut across all rock units throughout the belt.

The Goodchild Lake Property is located in the northwest portion of the Hemlo-Heron Bay greenstone belt. According to Milne (1967), the area is underlain predominantly by mafic volcanic rocks that have been intruded by a post-tectonic quartz monzonite stock, the Beggs Lake Stock. A serpentinite body covers the northern portion of the area. A more detailed description of the property geology is provided below.



Hemlo-Heron Bay Greenstone Belt

Figure 3

2000 EXPLORATION PROGRAM

Geological mapping and sampling of the Goodchild Lake Property (claims TB1210470 and TB1232129) was completed between May 25, 2000 and June 19, 2000. Mapping consisted of a reconnaissance property-wide survey with more detailed work in the area of excavated trenches/blasted pits, from where samples yielded up to 8.6 g/t gold (Map 1 in pocket and Appendix I).

A total of 97 samples (N06501 to N06597) were collected and analyzed for gold and selectively for metals including silver, arsenic, bismuth, cobalt, copper, manganese, molybdenum, nickel, lead, antimony, vanadium, zinc, and mercury. Whole rock analysis was completed for three samples to characterize alteration. Ten samples collected across the Violamac nickel copper occurrence in the northeast portion of the property were run additionally for platinum and palladium. Analytical results are appended (Appendix II). Total expenditures amounted to \$14,535 (Table 1).

TABLE 1
SUMMARY OF 2000 EXPLORATION EXPENDITURES

Geology and Assistant	\$ 6,375
Assaying	2,116
Freight	194
Field Supplies	48
Travel and Transportation	1,020
Charter aircraft	3,592
Accommodation and Meals	1,190
Total	\$14,535

RESULTS AND CONCLUSIONS

Results of geological mapping indicate that the property is underlain predominantly by northwest-trending, steeply northeast-dipping fine- and coarse-grained mafic volcanic flows with minor inter-flow sedimentary rocks. The Beggs Lake Stock, a quartz monzonite, intrudes these lithologies in the southwestern portion of the claims. A serpentinite body underlies the northern portion of the property (see Map 1).

Three styles/environments of mineralization are recognized: (1) northwest-trending, 2 to 8 metre wide pyritic Fe-carbonate shear zone(s) localized within fine-grained mafic flows; (2) disseminated pyrite and quartz veining locally along the contact of the Beggs Lake Stock near the intersection of late north-trending faults (bold, dashed lines on Map 1); and (3) disseminated and fracture-controlled chalcopyrite and pyrrhotite in cherty footwall rocks at the base of the serpentinite. The latter is the 1954 Violamac nickel copper occurrence with reported drill intersections of up to 2% copper and 0.5% nickel over 2.5 metres in five holes drilled (see Map 1).

The best assay returned was 5.5 g/t gold over 1.0 metre chip sample (N06559) from one of the trenches across sheared, pyritic Fe-carbonate altered mafic volcanic rock (Trench 3; see Map 1 and Appendix I). Other anomalous results from sheared/altered mafic volcanics include 0.9 g/t gold (N06559), 0.8 g/t gold (N06504) and 0.33 g/t gold (N06549). Lower gold values were returned from mineralization along the contact of the Beggs Lake Stock; the best assay was 0.25 g/t gold (N06547). No significant assays were returned in samples collected from the Violamac nickel copper occurrence (N06588 to N06597).

RECOMMENDATIONS

Further exploration should be considered to evaluate anomalous gold mineralization within altered shear zones and along the contacts of the Beggs Lake Stock. Establishment of a grid over the western half of the property for an induced polarization survey is recommended.

Respectfully submitted,

TECK EXPLORATION LTD.

A handwritten signature in black ink, appearing to read 'J. Paakki', written in a cursive style.

Jari Paakki

August 9, 2000

REP-0276/ec

REFERENCES

Milne, V.G.

1967: Geology of Cirrus Lake-Bamoos Lake Area; Ontario Department of Mines Geological Report 43, 61 p.

Muir, T.L., Jackson, S.L., and Beakhous, G.P.

1999: The Regional Framework of the Hemlo Gold Deposit; Ontario Geological Survey, Summary of Field Work and Other Activities, Open File Report 6000, p. 15-1 to 15-7.

Schnieders, B.R., Scott, J.F., and Smyk, M.C.

1998: Report of Activities 1997, Resident Geologist Program, Thunder Bay South Regional Geologist's Report: Thunder Bay South District; Ontario Geological Survey, Open File Report 5971, 56 p.

CERTIFICATE OF QUALIFICATIONS

**To accompany the
Assessment Report on the 2000 Exploration Program
on the Goodchild Lake Property
Cirrus Lake/Lorna Lake Areas, Ontario**

I, Jari Paakki, do hereby certify that:

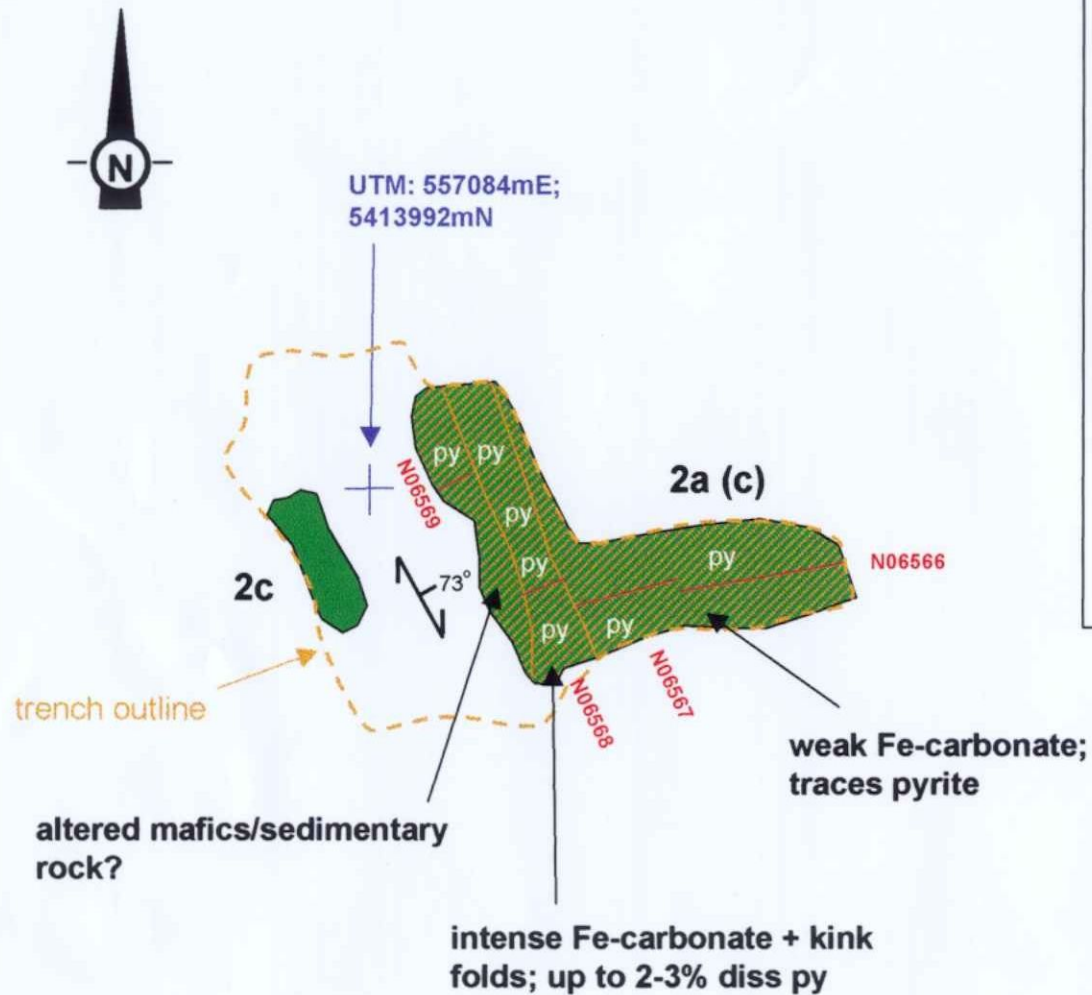
1. I reside at 115 Hughes Road, North Bay, Ontario, Canada.
2. I graduated in 1990 from Laurentian University in Sudbury, Ontario, with a B.Sc. (Honours) in Geology and in 1992 with a M.Sc in Geology. I have practised my profession continuously since 1993.
3. I am a Senior Project Geologist with Teck Exploration Ltd., a wholly-owned subsidiary of Teck Corporation which is a mining company with its head office in Vancouver, British Columbia.
4. I completed the field work for the 2000 exploration program on the Goodchild Lake Property and prepared this report.
5. I do not own, directly or indirectly, nor do I expect to receive, any interest in the property described in this report.

Jari Paakki, M.Sc.
August 9, 2000

JP-0115/ec

APPENDIX I
TRENCH MAPS

Goodchild Lake Trench #2



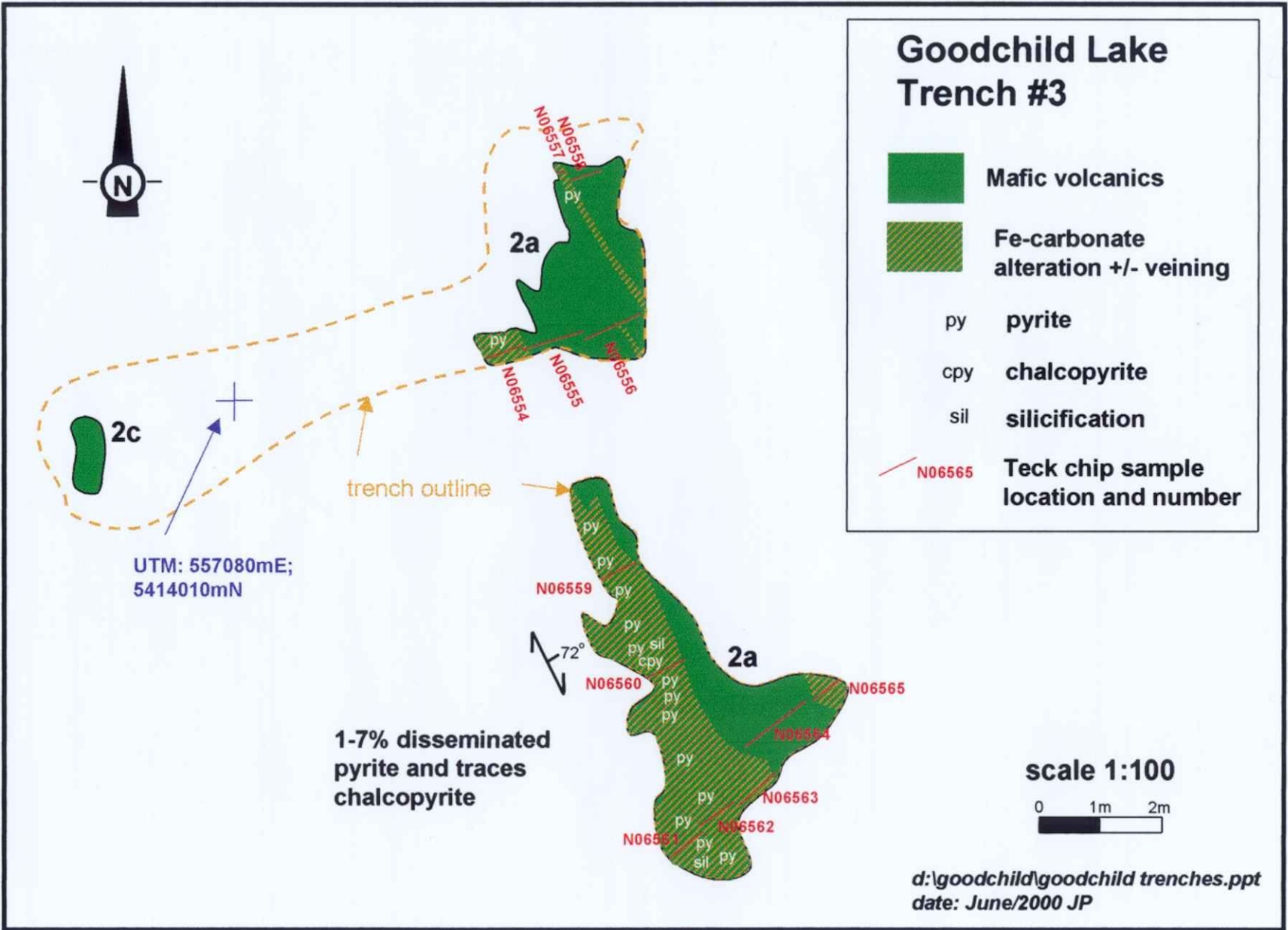
- Mafic volcanics
- Fe-carbonate alteration +/- veining
- py pyrite
- cpy chalcopyrite
- sil silicification
- N06565 Teck chip sample location and number

scale 1:100



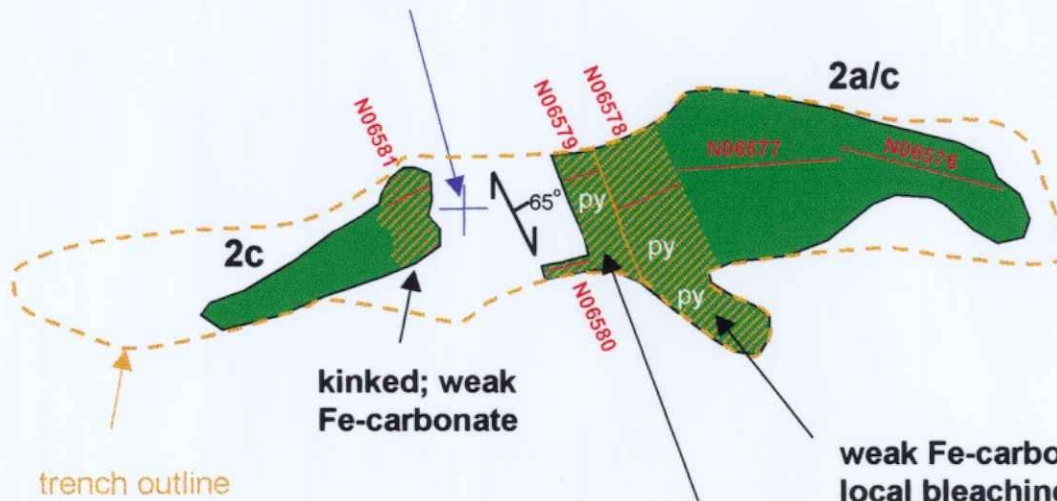
d:\goodchild\goodchild trenches.ppt
date: June/2000 JP

Goodchild Lake Trench #3





UTM: 557027mE;
5414115mN



Goodchild Lake Trench #5



Mafic volcanics



Fe-carbonate
alteration +/- veining

py pyrite

cpy chalcopyrite

sil silicification



N06565 Teck chip sample
location and number

scale 1:100



d:\goodchild\goodchild trenches.ppt
date: June/2000 JP

APPENDIX II
ANALYTICAL RESULTS



#2 - 302 48th Street · Saskatoon, SK · S7K 6A4
P (306) 931-1033 F (306) 242-4717 E tsslabor@sk.sympatico.ca

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM Teck Exploration Ltd.
R.R.5 - 19 Legault Street
North Bay, Ontario
P1B 8Z4

REPORT No. S1130

SAMPLE(S) OF Rock


INVOICE #: 10846
P.O.:

J. Paakki
Project: 168100

	Au ppb	Au g/t	Hg ppb
N06501	5		<10
N06502	10		<10
N06503	200		<10
N06504	830	.83	<10
N06505	40		<10
N06506	15		<10
N06507	<5		<10
N06508	5		25
N06509	<5		<10
N06510	<5/<5		<10
N06511	30		<10

COPIES TO: J. G. O'Connell, J. Paakki
INVOICE TO: Teck Expl.- North Bay

Jun 06/00

SIGNED 

Teck Exploration Ltd.

Attention: J. G. O'Connell, J. Paakki

Project: 168100

Sample: Rock

TSL Laboratories

#2 - 302 East 48th Street, Saskatoon, Saskatchewan, S7K 6A4

Tel: (306) 931-1033 Fax: (306) 242-4717

Report No : S1130

File No : 0M1130 PJ

Date : Jun-09-00

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	As ppm	Bi ppm	Co ppm	Cu ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
N06501	<0.2	<5	<5	76	62	1160	<2	540	<2	15	43	14
N06502	<0.2	<5	<5	38	75	1650	<2	206	<2	10	80	77
N06503	<0.2	<5	<5	31	182	1280	<2	54	<2	<5	108	53
N06504	<0.2	10	5	18	311	915	10	30	<2	<5	82	25
N06505	<0.2	<5	<5	48	87	1610	4	149	2	5	85	76
N06506	<0.2	<5	<5	11	10	360	10	20	<2	<5	13	6
N06507	<0.2	<5	<5	33	5	2615	<2	129	<2	5	76	61
N06508	<0.2	25	<5	34	87	250	6	66	4	5	17	2301
N06509	<0.2	<5	<5	75	<1	455	<2	2358	<2	10	10	16
N06510	<0.2	<5	5	10	6	560	4	17	6	<5	7	20
N06511	<0.2	<5	5	13	7	565	<2	20	<2	5	9	10

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

Teck Exploration Ltd.

Attention: J. G. O'Connell, J. Paakki

Project: 168100

Sample: Rock

TSL Laboratories

#2 - 302 East 48th Street, Saskatoon, Saskatchewan, S7K 6A4

Tel: (306) 931-1033 Fax: (306) 242-4717

Report No : S1130

File No : 0M1130 PL

Date : Jun-09-00

ICP Whole Rock Assay

Lithium Metaborate Fusion

Sample Number	SiO ₂ %	Al ₂ O ₃ %	Fe ₂ O ₃ %	CaO %	MgO %	Na ₂ O %	K ₂ O %	TiO ₂ %	MnO %	P ₂ O ₅ %	Ba ppm	Sr ppm	Zr ppm	Y ppm	Sc ppm	LOI %	Total %
N06501	38.23	3.47	8.61	15.33	12.74	<0.01	0.01	0.16	0.21	0.04	10	250	10	5	10	20.66	99.48
N06502	32.87	9.24	13.07	12.35	12.34	<0.01	1.20	0.67	0.28	0.10	250	270	40	10	30	17.44	99.62
N06504	48.61	11.94	13.55	12.13	2.01	3.94	0.44	0.84	0.16	0.85	70	100	40	15	30	5.06	99.54

Sample is fused with Lithium Metaborate
and dissolved in dilute HNO₃.

SAMPLE #	Au ppb	Au ppb	Au g t	Hg ppb
NO6512	<5			<10
NO6513	<5			<10
NO6514	<5			<10
NO6515	<5			<10
NO6516	140	150		<10
NO6517	<5			<10
NO6518	<5			<10
NO6519	<5			<10
NO6520	<5			<10
NO6521	10			<10
NO6522	<5			<10
NO6523	5			<10
NO6524	<5			<10
NO6525	<5			<10
NO6526	<5	<5		<10
NO6527	<5			<10
NO6528	10			<10
NO6529	<5			<10
NO6530	<5			<10
NO6531	<5			20
NO6532	10			<10
NO6533	<5			<10
NO6534	<5			<10
NO6535	120			<10
NO6536	5	10		<10
NO6537	5			<10
NO6538	<5			<10
NO6539	<5			<10
NO6540	<5			<10
NO6541	<5			<10
NO6542	5			60
NO6543	5			350
NO6544	<5			25
NO6545	5			60
NO6546	55	65		<10
NO6547	250			<10
NO6548	50			<10
NO6549	330		0.31	<10
NO6550	30			<10
NO6551	<5			<10
NO6552	5			<10
NO6553	<5			<10

Certificate Number	Sample Name	ICP Ag ppm	ICP As ppm	ICP Bi ppm	ICP Co ppm	ICP Cu ppm	ICP Mn ppm	ICP Mo ppm	ICP Ni ppm	ICP Pb ppm	ICP Sb ppm	ICP V ppm	ICP Zn ppm		
S1175M	NO6512	<0.2	<5	<5	18	173	350	<2	25	<2		5	59	45	
S1175M	NO6513	<0.2	<5	<5	7	20	130	<2	17	<2	<5		18	7	
S1175M	NO6514	<0.2	<5	<5	63	<1	475	<2	597		4	15	49	24	
S1175M	NO6515	<0.2	<5	<5	15	53	75	<2	10	<2	<5		19	7	
S1175M	NO6516	1.8	<5		10	11	6	455	<2	20		12	<5	24	59
S1175M	NO6517	<0.2	<5	<5	10	25	340	<2	7		6	<5	53	89	
S1175M	NO6518	0.2	<5	<5	13	226	185		2	28		2	<5	13	178
S1175M	NO6519	<0.2	<5	<5	9	56	145		36	30	<2	<5	27	6	
S1175M	NO6520	<0.2	<5	<5	9	140	180	<2		16	<2	<5	36	9	
S1175M	NO6521	0.2	<5	<5	21	266	425		2	39	<2		5	60	31
S1175M	NO6522	<0.2	<5	<5	39	87	1160	<2		45		2	5	288	113
S1175M	NO6523	<0.2	<5	<5	34	85	760	<2		31		8	5	344	123
S1175M	NO6524	<0.2	<5	<5	26	69	220	<2		34		2	5	148	51
S1175M	NO6525	<0.2	<5	<5	9	41	200	<2		10	<2	<5		45	17
S1175M	NO6526	<0.2	<5	<5	9	29	245		4	11	<2	<5		29	21
S1175M	NO6527	<0.2	<5	<5	41	<1	1055	<2		42		4	5	341	131
S1175M	NO6528	<0.2	<5	<5	16	139	315	<2		57	<2		5	41	22
S1175M	NO6529	<0.2	<5	<5	25	148	405	<2		42		2	<5	91	109
S1175M	NO6530	<0.2	<5	<5	22	35	390	<2		98	<2		5	55	36
S1175M	NO6531	<0.2	<5	<5	39	156	845	<2		157		6	5	133	92
S1175M	NO6532	<0.2	<5	<5	20	116	350	<2		20	<2	<5		97	30
S1175M	NO6533	<0.2	<5	<5	21	20	220	<2		34	<2	<5		22	29
S1175M	NO6534	<0.2	<5	<5	12	94	195	<2		14		2	<5	134	19
S1175M	NO6535	0.2	<5	<5	6	6	225		6	7		2	<5	13	20
S1175M	NO6536	<0.2	<5	<5	6	1	210	<2		8		4	5	4	33
S1175M	NO6537	<0.2	<5	<5	16	77	335	<2		9		2	5	216	36
S1175M	NO6538	<0.2	<5	<5	30	150	900	<2		100		2	5	88	79
S1175M	NO6539	<0.2	<5	<5	19	102	605	<2		71		2	5	61	41
S1175M	NO6540	<0.2	<5	<5	13	3	295	<2		40	<2		5	37	29
S1175M	NO6541	<0.2	<5	<5	23	76	545	<2		15		2	5	102	91
S1175M	NO6542	<0.2	<5	<5	16	178	235	<2		31	<2		5	48	30
S1175M	NO6543	0.4	<5	<5	36	48	825	<2		221		4	15	77	60
S1175M	NO6544	<0.2	<5	<5	17	27	150	<2		124	<2		5	20	46
S1175M	NO6545	<0.2	<5	<5	8	10	330	<2		7		2	5	33	80
S1175M	NO6546	<0.2	<5	<5	23	24	920	<2		9		8	5	107	104
S1175M	NO6547	<0.2	<5	<5	10	23	540	<2		4		4	5	28	59
S1175M	NO6548	<0.2	<5	<5	25	35	905	<2		9		10	5	159	88
S1175M	NO6549	<0.2	<5	<5	44	139	1205	<2		46		8	5	370	144
S1175M	NO6550	<0.2	<5	<5	17	358	245	<2		16		2	<5	86	85
S1175M	NO6551	<0.2	<5	<5	60	<1	1160	<2		1103		8	10	8	44
S1175M	NO6552	<0.2	<5	<5	24	46	500	<2		73	<2		5	46	51
S1175M	NO6553	<0.2	<5	<5	20	148	465	<2		59		2	5	85	38



#2 - 302 48th Street • Saskatoon, SK • S7K 6A4
P (306) 931-1033 F (306) 242-4717 E tslab@sk.sympatico.ca

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM Teck Exploration Ltd.
R.R.5 - 19 Legault Street
North Bay, Ontario
P1B 8Z4

REPORT No.
S1213

SAMPLE(S) OF Rock

INVOICE #: 10904
P.O.:

J. Paakki
Project: 168100

	Au ppb	Au g/t
NO6554	45	
NO6555	15	
NO6556	30/30	
NO6557	80	
NO6558	60	
NO6559	>1000	5.31/5.69
NO6560	170	
NO6561	130	
NO6562	65	
NO6563	890	.90
NO6564	15	
NO6565	15	
NO6566	30/45	
NO6567	15	
NO6568	10	
NO6569	<5	
NO6570	30	
NO6571	10	
NO6572	20	
NO6573	20	

COPIES TO: J. G. O'Connell, J. Paakki
INVOICE TO: Teck Expl.- North Bay

Jun 13/00

SIGNED



#2 - 302 48th Street • Saskatoon, SK • S7K 6A4
P (306) 931-1033 F (306) 242-4717 E tsllab@sk.sympatico.ca

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM Teck Exploration Ltd.
R.R.5 - 19 Legault Street
North Bay, Ontario
P1B 8Z4

REPORT No. S1213

SAMPLE(S) OF Rock

INVOICE #: 10904
P.O.:

J. Paakki
Project: 168100

	Au ppb
NO6574	35
NO6575	5
NO6576	10
NO6577	10
NO6578	<5
NO6579	<5
NO6580	10
NO6581	10

COPIES TO: J. G. O'Connell, J. Paakki
INVOICE TO: Teck Expl.- North Bay

Jun 13/00

SIGNED _____



#2 - 302 48th Street · Saskatoon, SK · S7K 6A4
P (306) 931-1033 F (306) 242-4717 E tslab@sk.sympatico.ca

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM Teck Exploration Ltd.
R.R.5 - 19 Legault Street
North Bay, Ontario
P1B 8Z4

REPORT No. S1270

SAMPLE(S) OF Rock

INVOICE #: 10971
P.O.:

J. Paakki
Project: 168100

	Au ppb	Hg ppb
N06582	10	<10
N06583	15	<10
N06584	<5	<10
N06585	25	<10
N06586	<5	<10
N06587	10	<10

COPIES TO: J. G. O'Connell, J. Paakki
INVOICE TO: Teck Expl.- North Bay

Jun 26/00

SIGNED

Teck Exploration Ltd.

Attention: J. G. O'Connell, J. Paakki

Project: 168100

Sample: Rock

TSL Laboratories

#2 - 302 East 48th Street, Saskatoon, Saskatchewan, S7K 6A4

Tel: (306) 931-1033 Fax: (306) 242-4717

Report No : S1270

File No : 0M1270 PJ

Date : Jun-23-00

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	As ppm	Bi ppm	Co ppm	Cu ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
N06582	<0.2	<5	<5	14	47	195	<2	30	6	<5	50	60
N06583	0.2	<5	<5	102	2	880	<2	1514	10	10	17	63
N06584	<0.2	<5	<5	21	39	330	<2	153	<2	<5	24	70
N06585	<0.2	<5	<5	21	107	450	<2	33	2	<5	73	55
N06586	<0.2	<5	<5	31	171	1145	<2	97	6	5	97	149
N06587	<0.2	<5	<5	21	82	460	<2	88	2	5	54	58

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



#2 - 302 48th Street • Saskatoon, SK • S7K 6A4
P (306) 931-1033 F (306) 242-4717 E tsllab@sk.sympatico.ca

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM Teck Exploration Ltd.
R.R.5 - 19 Legault Street
North Bay, Ontario
P1B 8Z4

REPORT No. S1309

SAMPLE(S) OF Rock

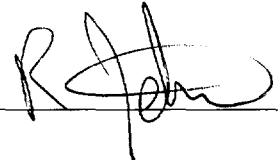
INVOICE #: 11011
P.O.:

J. Paakki
Project: 168100

	Au ppb	Pt ppb	Pd ppb	Hg ppb
NO6588	<5	<20	<10	<10
NO6589	<5	<20	<10	<10
NO6590	<5	<20	<10	<10
NO6591	5	<20	<10	<10
NO6592	<5	<20	<10	<10
NO6593	<5	<20	<10	<10
NO6594	<5	<20	<10	<10
NO6595	5	<20	<10	<10
NO6596	5/5	<20	<10	<10
NO6597	<5	<20	<10	<10

COPIES TO: J. G. O'Connell, J. Paakki
INVOICE TO: Teck Expl.- North Bay

Jun 27/00

SIGNED 

Teck Exploration Ltd.

Attention: J. G. O'Connell, J. Paakki

Project: 168100

Sample: Rock

TSL Laboratories

#2 - 302 East 48th Street, Saskatoon, Saskatchewan, S7K 6A4

Tel: (306) 931-1033 Fax: (306) 242-4717

Report No : S1309

File No : 0M1309 PJ

Date : Jun-28-00

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	As ppm	Bi ppm	Co ppm	Cu ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
NO6588	<0.2	<5	<5	14	152	65	4	28	2	<5	35	19
NO6589	<0.2	<5	<5	85	654	45	4	99	6	5	30	14
NO6590	<0.2	<5	<5	107	785	40	8	83	8	5	17	12
NO6591	<0.2	<5	<5	50	267	90	8	74	4	<5	42	8
NO6592	<0.2	<5	<5	8	49	105	4	19	<2	<5	31	8
NO6593	<0.2	<5	<5	93	419	25	2	56	4	<5	13	12
NO6594	<0.2	<5	<5	178	933	25	4	173	8	<5	21	14
NO6595	<0.2	<5	<5	209	1300	40	<2	253	12	<5	20	19
NO6596	0.2	10	<5	219	1486	45	2	279	6	<5	13	31
NO6597	0.2	<5	<5	198	1428	55	<2	350	8	5	21	13

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



Declaration of Assessment Work Performed on Mining Land

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

Transaction Number (office use)
<i>W-0040-00326</i>
Assessment Files Research Imaging



42D16NE2005 2.20505 CIRRUS LAKE 900

Sections 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, this assessment work and correspond with the mining land holder. Questions about this form Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario.

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 TECK CORPORATION	Client Number 200408
Address 200 Burrard Street, Suite 600	Telephone Number 705-474-5500
Vancouver, BC V6C 3L9	Fax Number 705-474-4053
Name	Client Number
Address	Telephone Number
	Fax Number

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

Geotechnical: prospecting, surveys, assays and work under section 18 (regs) Physical: drilling stripping, trenching and associated assays Rehabilitation

Work Type Geological Mapping and Sampling	Office Use Commodity
	Total \$ Value of Work Claimed <i>14,535.00</i>
Dates Work Performed From 25 05 2000 To 19 08 2000 <small>Day Month Year Day Month Year</small>	NTS Reference
Global Positioning System Data (if available) NAD 83	Township/Area Lorne Lake/Cirrus Lake areas M or G-Plan Number G-598/G-587
	Mining Division <i>Thunder Bay</i> Resident Geologist District <i>Shriber - Shriber</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.

2.20505

3. Person or companies who prepared the technical report (Attach a list if necessary)

Name Jari Paakki, Teck Exploration Ltd.	Telephone Number 705-474-5500
Address RR #5, 19 Legault Street, North Bay, ON P1B 8Z4	Fax Number 705-474-4053
Name	Telephone Number
Address	Fax Number
Name	Telephone Number
Address	Fax Number

RECORDED
AUG 15 2000

4. Certification by Recorded Holder or Agent

I, Jari Paakki (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 August 11, 2000
Agent's Address RR #5, 19 Legault Street, North Bay, ON P1B 8Z4	Telephone Number 705-474-5500 Fax Number 705-474-4053

RECEIVED
AUG 15 2000
9:10am
GEOSCIENCE 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.

620040-00266

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 TB1210470	15	9,808	0	0	9,808
2 TB1232129	10	4,727	4,000	0	727
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
Column Totals		14,535	4,000	0	10,535

RECORDED
 AUG 15 2000

2. 20505

I, Jari Paakki, do hereby certify that the above work credits are eligible under
(Print Full Name)
 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 August 11, 2000

6. Instructions for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

- 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- 3. Credits are to be cut back equally over all claims listed in this declaration; or
- 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

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
 AUG 15 2000
 9.10am
 GEOSCIENCE ASSESSMENT
 OFFICE



Statement of Costs for Assessment Credit

Transaction Number (office use) W.0040.00226

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 Geologist and Technician, Assays (Au) + sample preparation, 13 element analysis, Whole Rock Analysis, PGE assays, Associated Costs (e.g. supplies, mobilization and demobilization), Freight (sample shipment) 97 samples, Aerial photographs, Transportation Costs, Truck and fuel (17 days), Charter helicopter, Food and Lodging Costs, Accommodations and meals (17 days for 2), and Total Value of Assessment Work 14,535.

RECORDED AUG 15 2000

2. 20505

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. If this situation applies to your claims, use the calculation below:

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. If verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.

Certification verifying costs:

I, Jari Paakki, 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 Senior Project Geologist I am authorized to make this certification.

Signature [Handwritten Signature] Date August 11, 2000

RECEIVED AUG 15 2000 9:10am GEOSCIENCE ASSESSMENT OFFICE

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

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

October 10, 2000

TECK CORPORATION
SUITE 600, 200 BURRARD STREET
VANCOUVER, B.C.
V6C-3L9

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

Dear Sir or Madam:

Submission Number: 2.20505

Status

Subject: Transaction Number(s): W0040.00226 Approval

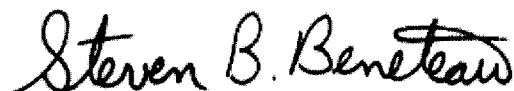
We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. **WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.**

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 **BRUCE GATES** by e-mail at bruce.gates@ndm.gov.on.ca or by telephone at (705) 670-5856.

Yours sincerely,



ORIGINAL SIGNED BY
Steve B. Beneteau
Acting Supervisor, Geoscience Assessment Office
Mining Lands Section

Work Report Assessment Results

Submission Number: 2.20505

Date Correspondence Sent: October 10, 2000

Assessor: BRUCE GATES

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W0040.00226	1210470	LORNA LAKE, CIRBUS LAKE	Approval	October 10, 2000

Section:

12 Geological GEOL

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

Correspondence to:

Resident Geologist
Thunder Bay, ON

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

Jari Paakki
NORTH BAY, ONTARIO

Assessment Files Library
Sudbury, ON

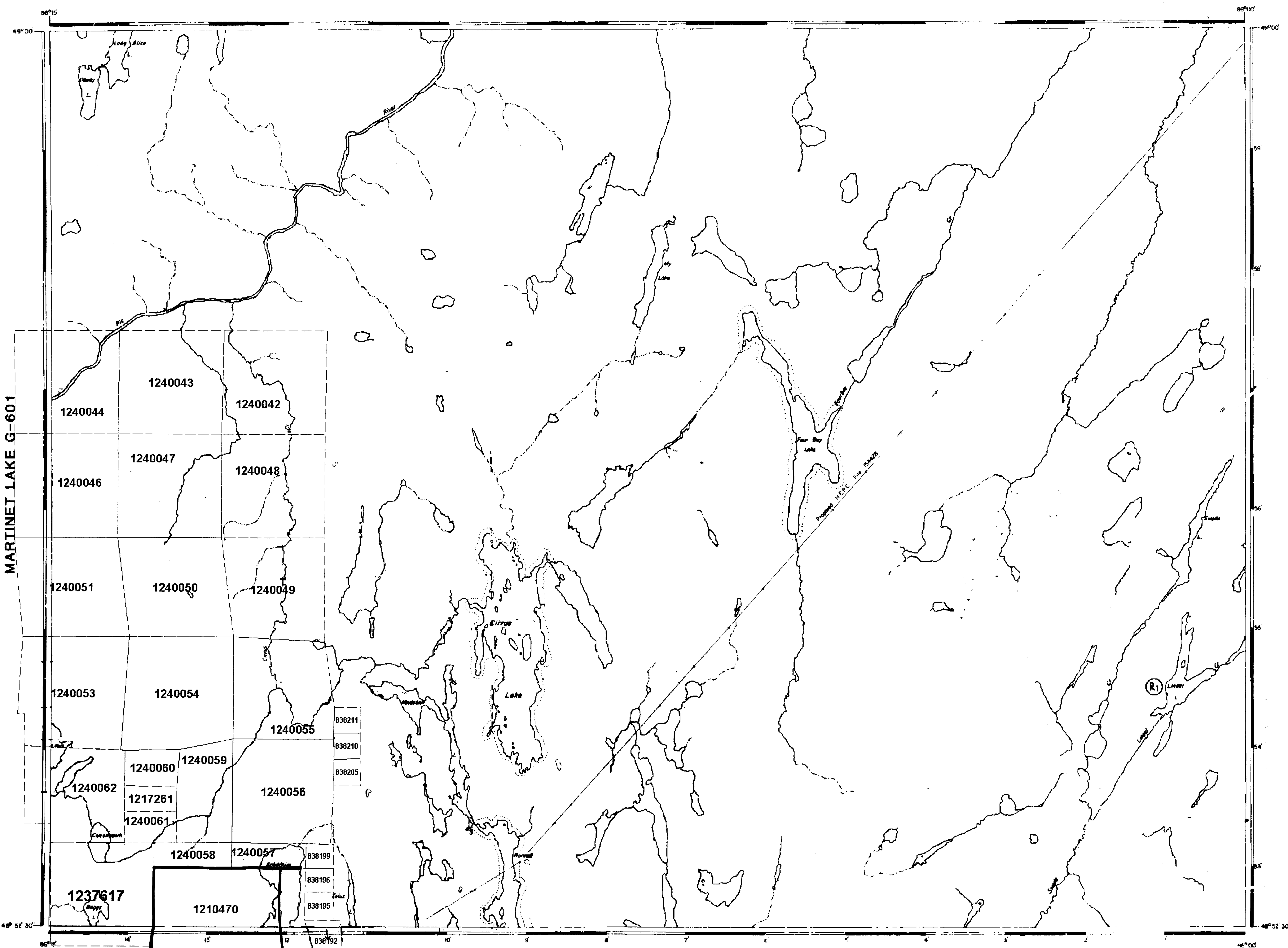
TECK CORPORATION
VANCOUVER, B.C.

BLOOD LAKE G-581

REFERENCES

SEC 35, W.L.C 1505/89 ONT MAY 11/99 M+S

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.



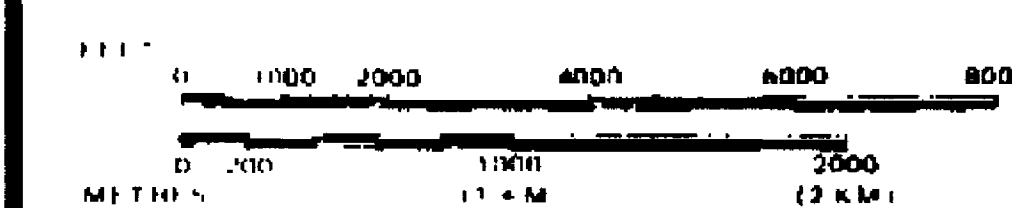
LEGEND

- 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 | |
- LAND USE PERMITS FOR COMMERCIAL TOURISM/OUTPOST/CAMP
 NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 8, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1990, CHAP. J80, SEC. 63, SUBSEC. 1.

SCALE 1 INCH = 40 CHAINS



AREA

CIRRUS LAKE

M.N.R. ADMINISTRATIVE DISTRICT
TERRACE BAY
 MINING DIVISION
THUNDER BAY
 LAND TITLES / REGISTRY DIVISION
THUNDER BAY

Ministry of Natural Resources
 Land Management Branch
 Ontario

DATE MAY 1, 1995

NUMBER FEBRUARY 1992

G-587

2.20505
 G-ECL

LORNA LAKE G-598

CIRRUS LAKE G-587

REFERENCES

ALL AS WITHDRAWN FROM DISPOSITION
 S.R. SURFACE RIGHTS M.R. MINING RIGHTS

Location	Order No.	Date	Disposition	File
M.R.O.			MINING RIGHTS ONLY	
S.R.O.			SURFACE RIGHTS ONLY	
M.S.			MINING AND SURFACE RIGHTS	

REOPENED M.S. G-75-35/88 MWR
 Dated 96 Dec/03. Previously withdrawn under W-TB-93/89.
 Relief from forfeiture granted.

NOTICE
 The information that appears on this map has been compiled from various sources and accuracy is not guaranteed. Those wishing to view 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.

LEGEND

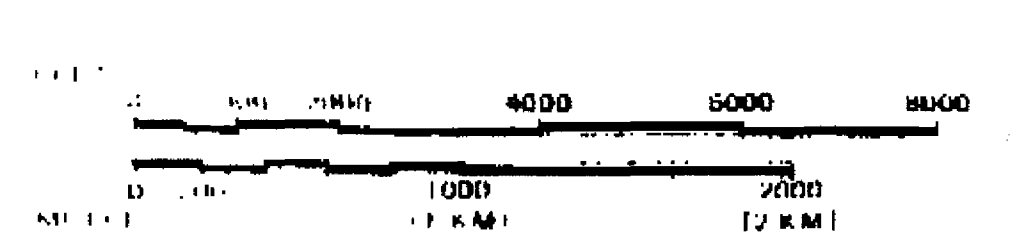
- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES
- TOWNSHIPS, BASE LINES, ETC.
- LOTS, MINING CLAIMS PARCELS, ETC.
- UNSURVEYED LINES
- LOT LINES
- PARCEL BOUNDARY
- MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORE LINE
- 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	OC
RESERVATION	○
CANCELLED	⊖
SAND & GRAVEL	⊙

LAND USE PERMITS FOR COMMERCIAL TOURISM, OUTPOST CAMPS
 NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6 1915, VESTED IN ORIGINAL PATENTEES BY THE PUBLIC LANDS ACT, R.S.O. 1910, CHAP. 3RD, SEC. 52, SUBSEC. 1

SCALE 1 INCH = 40 CHAINS

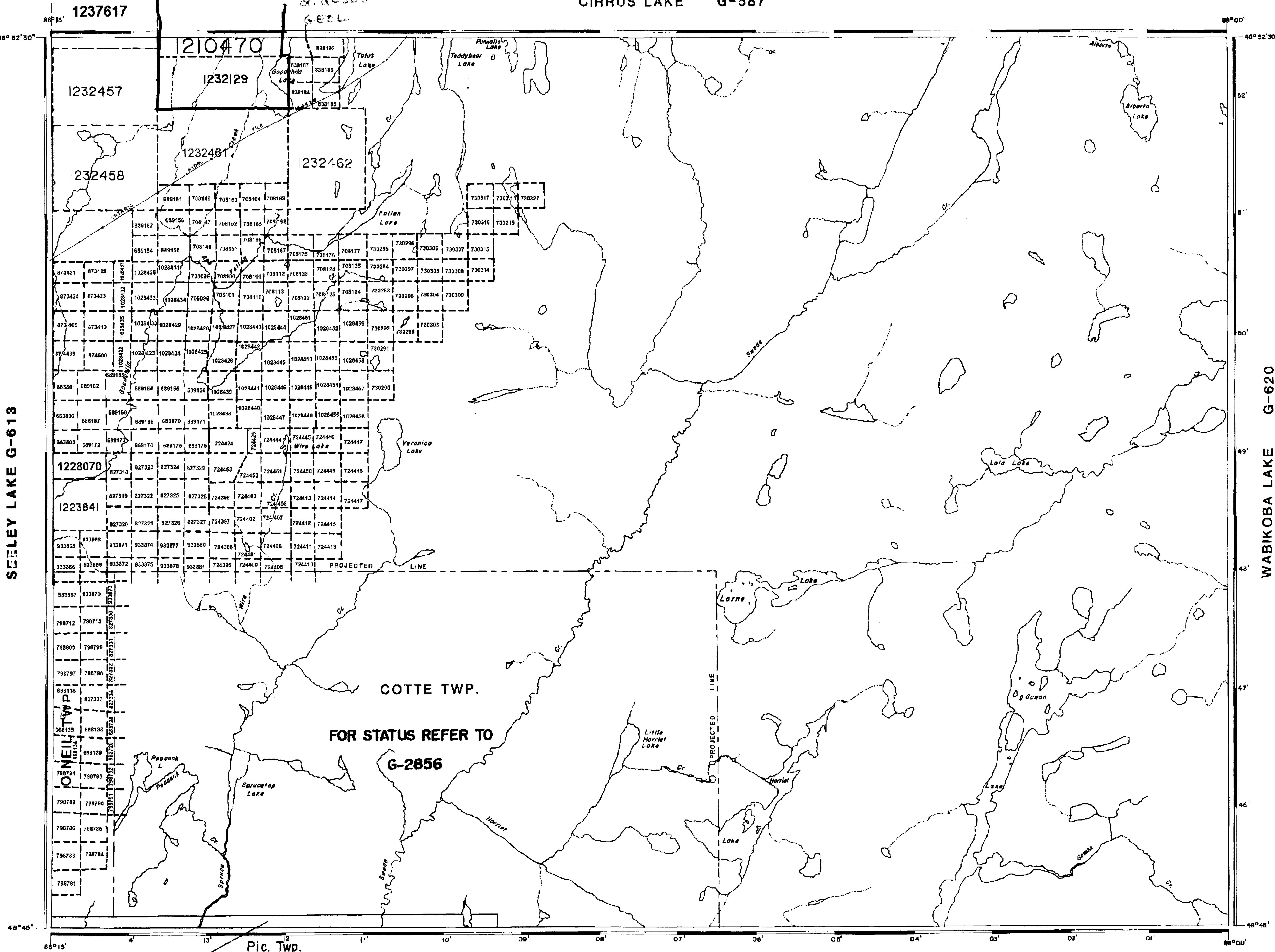


AREA
LORNA LAKE

M.N.R. ADMINISTRATIVE DISTRICT
TERRACE BAY
 MINING DIVISION
THUNDER BAY
 LAND TITLES / REGISTRY DIVISION
THUNDER BAY



Date FEBRUARY, 1982
 in Service Sep. 26, 96
 Number **G-598**



1237617

1210470

2.20505
 6E0L

1232457

1232129

1232458

1232461

1232462

1228070

1223841

COTTE TWP.

FOR STATUS REFER TO
G-2856

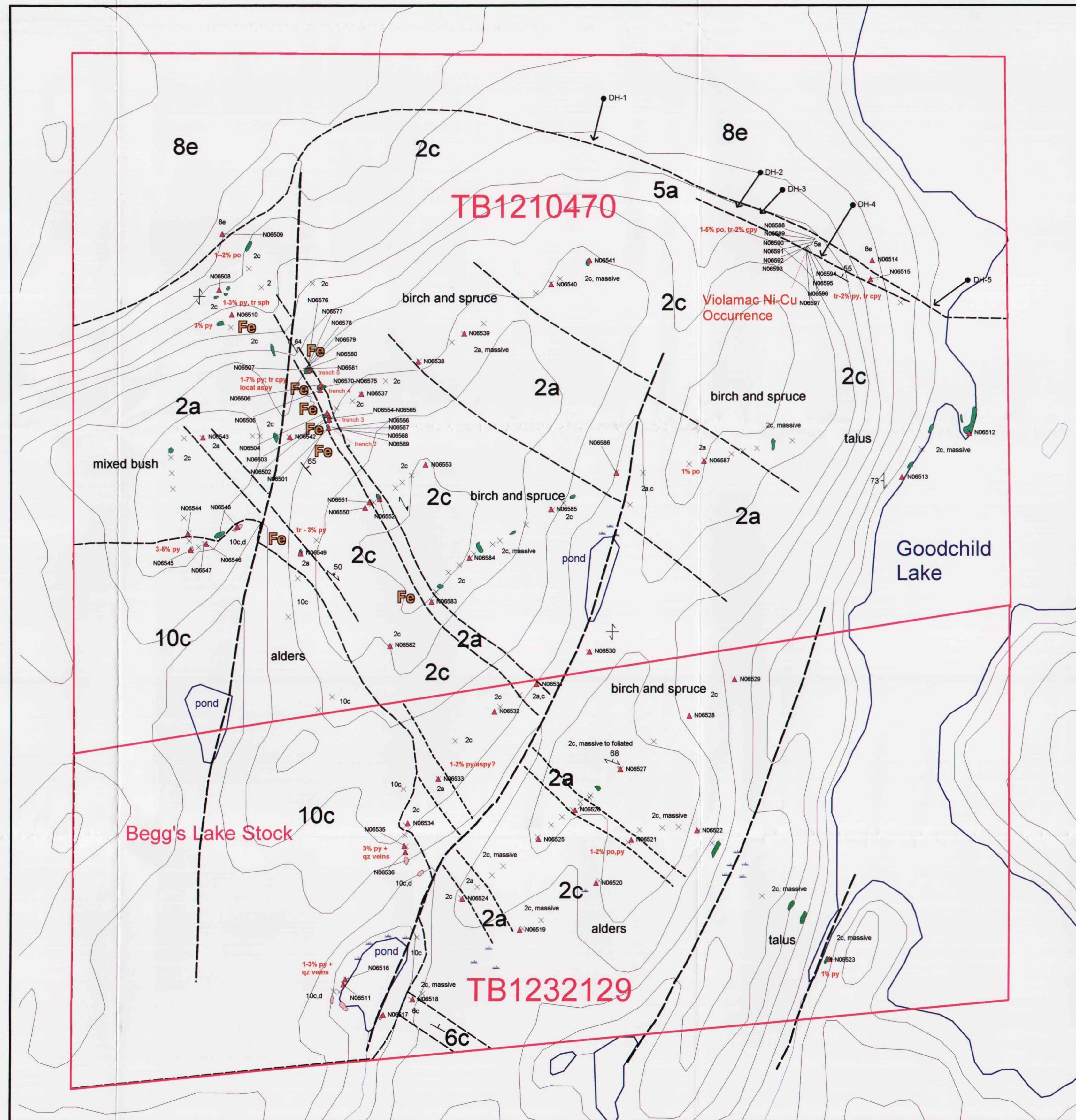
Pic. Twp.
 FOR STATUS REFER TO **G-630**

ROUS LAKE G-611

WABIKOBA LAKE G-620

SEELEY LAKE G-613





Geology Legend

- 10c: quartz monzonite
- 10d: syenite
- 8e: serpentinite
- 6c: siltstone
- 5a: cherty rocks
- 2a: fine-grained mafic flows
- 2c: coarse-grained mafic flows

Symbols

- × Outcrop: large, small
 - Fe Fe-carbonate alteration
 - ▲ Sample Location
- py: pyrite
 po: pyrrhotite
 cpy: chalcopyrite
 sph: sphalerite
 aspy: arsenopyrite

500 metres

Teck Exploration Ltd.
 Geology Goodchild Lake Property

Cirrus Lake/Lorna Lake Areas, Ontario
 NTS: 042D/16
 Date Drawn: August, 2000
 Drawn By: J. Paakki

SCALE: 1:5000

Map 1

