



TECK EXPLORATION LTD.

NORTH BAY, ONTARIO

2001-11-25  
A

**1995-96 EXPLORATION PROGRAM  
ASSESSMENT REPORT  
MONTCALM AREA PROPERTIES**

by

M.Y. Houle



Report No. 1292NB

N.T.S. 42 B/09

04-08-97



42B09NE0023 2.17524 MONTCALM

**APPENDIX Ia**  
**CLAIM STATUS**  
**MONTCALM PROJECT ADJACENT LEASES**

Appendix 1a

Montcalm Twp Adjacent Leases							
No.	Township	Claim Number	Project Name	Project Number	Registered Owner	Claim Type	Units
1	Montcalm	393395	Adjacent Leases	98423	Teck Ex.	Lease No.971	1
2	Montcalm	393398	Adjacent Leases	98423	Teck Ex.	Lease No.971	1
3	Montcalm	393400	Adjacent Leases	98423	Teck Ex.	Lease No.970	1
4	Montcalm	452679	Adjacent Leases	98423	Teck Ex.	Lease No.971	1
5	Montcalm	452680	Adjacent Leases	98423	Teck Ex.	Lease No.971	1
6	Montcalm	452684	Adjacent Leases	98423	Teck Ex.	Lease No.970	1
7	Montcalm	452688	Adjacent Leases	98423	Teck Ex.	Lease No.970	1
8	Montcalm	458300	Adjacent Leases	98423	Teck Ex.	Lease No.970	1
9	Montcalm	458301	Adjacent Leases	98423	Teck Ex.	Lease No.970	1
10	Montcalm	458302	Adjacent Leases	98423	Teck Ex.	Lease No.970	1
11	Montcalm	458303	Adjacent Leases	98423	Teck Ex.	Lease No.970	1
12	Montcalm	458304	Adjacent Leases	98423	Teck Ex.	Lease No.970	1
13	Montcalm	458305	Adjacent Leases	98423	Teck Ex.	Lease No.970	1
14	Montcalm	479935	Adjacent Leases	98423	Teck Ex.	Lease No.971	1
15	Montcalm	479937	Adjacent Leases	98423	Teck Ex.	Lease No.971	1
16	Montcalm	479942	Adjacent Leases	98423	Teck Ex.	Lease No.971	1
17	Montcalm	479949	Adjacent Leases	98423	Teck Ex.	Lease No.971	1
18	Montcalm	479952	Adjacent Leases	98423	Teck Ex.	Lease No.971	1
19	Montcalm	479953	Adjacent Leases	98423	Teck Ex.	Lease No.970	1
20	Montcalm	479959	Adjacent Leases	98423	Teck Ex.	Lease No.970	1
21	Montcalm	479960	Adjacent Leases	98423	Teck Ex.	Lease No.970	1
22	Montcalm	479961	Adjacent Leases	98423	Teck Ex.	Lease No.970	1
23	Montcalm	479962	Adjacent Leases	98423	Teck Ex.	Lease No.970	1
24	Montcalm	479963	Adjacent Leases	98423	Teck Ex.	Lease No.970	1
25	Montcalm	479964	Adjacent Leases	98423	Teck Ex.	Lease No.970	1
26	Montcalm	479983	Adjacent Leases	98423	Teck Ex.	Lease No.970	1
27	Montcalm	479984	Adjacent Leases	98423	Teck Ex.	Lease No.970	1
28	Montcalm	479989	Adjacent Leases	98423	Teck Ex.	Lease No.970	1
29	Montcalm	479990	Adjacent Leases	98423	Teck Ex.	Lease No.970	1
30	Montcalm	480121	Adjacent Leases	98423	Teck Ex.	Lease No.971	1
31	Montcalm	480122	Adjacent Leases	98423	Teck Ex.	Lease No.971	1
31	Claims						31

**APPENDIX 1b**  
**CLAIM STATUS**  
**MONTCALM PROJECT ADJACENT CLAIMS**



## Appendix 1b

Montcalm Twp Adjacent Claims								
Township	Claim Number	Project Name	Project Number	Registered Owner	Claim Type	Units	Date Due	Work Required
Montcalm	1200519	Adjacent Claims	98424	Teck Expl.	U	16	12/20/97	6400
Montcalm	1200520	Adjacent Claims	98424	Teck Expl.	U	9	12/20/97	3600
Montcalm	1200521	Adjacent Claims	98424	Teck Expl.	U	9	12/20/98	3600
Montcalm	1200522	Adjacent Claims	98424	Teck Expl.	U	4	12/20/97	1600
Montcalm	1200523	Adjacent Claims	98424	Teck Expl.	U	8	12/20/97	3200
Montcalm	1200524	Adjacent Claims	98424	Teck Expl.	U	6	12/20/97	2400
Montcalm	1200525	Adjacent Claims	98424	Teck Expl.	U	8	12/20/97	3200
Montcalm	1200526	Adjacent Claims	98424	Teck Expl.	U	16	12/20/97	6400
Montcalm	1200527	Adjacent Claims	98424	Teck Expl.	U	16	12/20/97	6400
Montcalm	1200528	Adjacent Claims	98424	Teck Expl.	U	4	12/20/97	1600
Montcalm	1200529	Adjacent Claims	98424	Teck Expl.	U	16	12/20/97	6400
Montcalm	1200530	Adjacent Claims	98424	Teck Expl.	U	16	12/20/97	6400
Montcalm	1200531	Adjacent Claims	98424	Teck Expl.	U	8	12/20/97	3200
Montcalm	1200532	Adjacent Claims	98424	Teck Expl.	U	16	12/20/97	6400
Montcalm	1200533	Adjacent Claims	98424	Teck Expl.	U	16	12/20/97	6400
Montcalm	1200534	Adjacent Claims	98424	Teck Expl.	U	8	12/20/97	3200
Montcalm	1200535	Adjacent Claims	98424	Teck Expl.	U	16	12/20/97	6400
Montcalm	1200536	Adjacent Claims	98424	Teck Expl.	U	8	12/20/97	3200
Strachan	1200537	Adjacent Claims	98424	Teck Expl.	U	4	12/20/97	1600
Strachan	1200538	Adjacent Claims	98424	Teck Expl.	U	2	12/20/97	800
Montcalm	1200539	Adjacent Claims	98424	Teck Expl.	U	16	12/20/97	6400
Montcalm	1200540	Adjacent Claims	98424	Teck Expl.	U	16	12/20/97	6400
Montcalm	1200541	Adjacent Claims	98424	Teck Expl.	U	16	12/20/97	6400
Montcalm	1200542	Adjacent Claims	98424	Teck Expl.	U	16	12/20/97	6400
Montcalm	1200543	Adjacent Claims	98424	Teck Expl.	U	8	12/20/97	3200
Montcalm	1200544	Adjacent Claims	98424	Teck Expl.	U	8	12/20/97	3200
Montcalm	1200545	Adjacent Claims	98424	Teck Expl.	U	16	12/20/97	6400
Montcalm	1200546	Adjacent Claims	98424	Teck Expl.	U	8	12/20/97	3200
Strachan	1200547	Adjacent Claims	98424	Teck Expl.	U	16	12/20/97	6400
Nova	1200548	Adjacent Claims	98424	Teck Expl.	U	8	12/20/97	3200
Nova	1200549	Adjacent Claims	98424	Teck Expl.	U	9	12/20/97	3600
Belford	1200550	Adjacent Claims	98424	Teck Expl.	U	12	12/20/97	4800
Belford	1200551	Adjacent Claims	98424	Teck Expl.	U	16	12/20/97	6400
Strachan	1200552	Adjacent Claims	98424	Teck Expl.	U	2	12/20/97	800
Montcalm	1200553	Adjacent Claims	98424	Teck Expl.	U	8	12/20/97	3200
Belford	1200554	Adjacent Claims	98424	Teck Expl.	U	16	12/20/97	6400
Montcalm	1200597	Adjacent Claims	98424	Teck Expl.	U	1	12/20/97	400
Claims				Totals		398	Units	\$159,200

**APPENDIX Ic**

**CLAIM STATUS**

**MONTCALM PROJECT TIMMINS NICKEL CLAIMS**

Appendix 1c

<b>Montcalm Property Timmins Nickel Claims</b>									
<b>No.</b>	<b>Township</b>	<b>Claim Number</b>	<b>Project Name</b>	<b>Project Number</b>	<b>Registered Owner</b>	<b>Claim Type</b>	<b>Units</b>	<b>Date Due</b>	<b>Work Required</b>
1	Montcalm	1113754	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
2	Montcalm	1113755	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
3	Montcalm	1113756	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
4	Montcalm	1113757	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
5	Montcalm	1113758	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
6	Montcalm	1113759	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
7	Montcalm	1113760	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
8	Montcalm	1113761	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
9	Montcalm	1113762	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
10	Montcalm	1113763	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
11	Montcalm	1113764	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
12	Montcalm	1113771	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
13	Montcalm	1113772	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
14	Montcalm	1113773	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
15	Montcalm	1113774	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
16	Montcalm	1113775	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
17	Montcalm	1113776	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
18	Montcalm	1113777	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
19	Montcalm	1113778	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
20	Montcalm	1113779	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
21	Montcalm	1113780	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
22	Montcalm	1113781	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
23	Montcalm	1113782	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
24	Montcalm	1113783	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
25	Montcalm	1113784	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
26	Montcalm	1113785	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
27	Montcalm	1113786	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
28	Montcalm	1113787	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
29	Montcalm	1113788	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
30	Montcalm	1113789	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
31	Montcalm	1113790	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
32	Montcalm	1113791	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
33	Montcalm	1113792	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
34	Montcalm	1113793	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
35	Montcalm	1113796	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
36	Montcalm	1113797	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
37	Montcalm	1113798	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
38	Montcalm	1113799	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
39	Montcalm	1113800	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
40	Montcalm	1113801	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
41	Montcalm	1113802	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
42	Montcalm	1113803	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400

**Montcalm Property Timmins Nickel Claims**

No.	Township	Claim Number	Project Name	Project Number	Registered Owner	Claim Type	Units	Date Due	Work Required
43	Montcalm	1113804	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
44	Montcalm	1113813	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
45	Montcalm	1113814	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
46	Montcalm	1113815	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
47	Montcalm	1113816	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
48	Montcalm	1113817	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
49	Montcalm	1113818	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
50	Montcalm	1113821	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
51	Montcalm	1113822	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
52	Montcalm	1113823	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
53	Montcalm	1113824	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
54	Montcalm	1113825	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
55	Montcalm	1113826	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
56	Montcalm	1113827	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
57	Montcalm	1113828	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
58	Montcalm	1113829	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
59	Montcalm	1113830	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
60	Montcalm	1113831	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
61	Montcalm	1113832	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
62	Montcalm	1113833	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
63	Montcalm	1113834	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
64	Montcalm	1113835	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
65	Montcalm	1113836	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
66	Montcalm	1113837	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
67	Montcalm	1113838	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
68	Montcalm	1113839	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
69	Montcalm	1113840	Timmins Nickel	98425	Teck Corp.	U	1	4/24/97	400
70	Montcalm	1128009	Timmins Nickel	98425	Teck Corp.	U	1	11/9/97	400
71	Montcalm	1128010	Timmins Nickel	98425	Teck Corp.	U	1	11/9/97	400
72	Montcalm	1128011	Timmins Nickel	98425	Teck Corp.	U	1	11/9/97	400
73	Montcalm	1128012	Timmins Nickel	98425	Teck Corp.	U	1	11/9/97	400
74	Montcalm	1128013	Timmins Nickel	98425	Teck Corp.	U	1	11/9/97	400
75	Montcalm	1128014	Timmins Nickel	98425	Teck Corp.	U	1	11/9/97	400
76	Montcalm	1128015	Timmins Nickel	98425	Teck Corp.	U	1	11/9/97	400
77	Montcalm	1128016	Timmins Nickel	98425	Teck Corp.	U	1	11/9/97	400
78	Montcalm	1128017	Timmins Nickel	98425	Teck Corp.	U	1	11/9/97	400
79	Montcalm	1128177	Timmins Nickel	98425	Teck Corp.	U	1	12/5/97	400
80	Montcalm	1128178	Timmins Nickel	98425	Teck Corp.	U	1	12/5/97	400
81	Montcalm	1128179	Timmins Nickel	98425	Teck Corp.	U	1	12/5/97	400
82	Montcalm	1128180	Timmins Nickel	98425	Teck Corp.	U	1	12/5/97	400
83	Montcalm	1128181	Timmins Nickel	98425	Teck Corp.	U	1	12/5/97	400
84	Montcalm	1128182	Timmins Nickel	98425	Teck Corp.	U	1	12/5/97	400
85	Montcalm	1128183	Timmins Nickel	98425	Teck Corp.	U	1	12/5/97	400
86	Montcalm	1128184	Timmins Nickel	98425	Teck Corp.	U	1	12/5/97	400
87	Montcalm	1128185	Timmins Nickel	98425	Teck Corp.	U	1	12/5/97	400
88	Montcalm	1128186	Timmins Nickel	98425	Teck Corp.	U	1	12/5/97	400
89	Montcalm	1128187	Timmins Nickel	98425	Teck Corp.	U	1	12/5/97	400
90	Montcalm	1128188	Timmins Nickel	98425	Teck Corp.	U	1	12/5/97	400

<b>Montcalm Property Timmins Nickel Claims</b>									
<b>No.</b>	<b>Township</b>	<b>Claim Number</b>	<b>Project Name</b>	<b>Project Number</b>	<b>Registered Owner</b>	<b>Claim Type</b>	<b>Units</b>	<b>Date Due</b>	<b>Work Required</b>
91	Montcalm	1128190	Timmins Nickel	98425	Teck Corp.	U	1	12/5/97	400
92	Montcalm	1128191	Timmins Nickel	98425	Teck Corp.	U	1	12/5/97	400
93	Montcalm	1128192	Timmins Nickel	98425	Teck Corp.	U	1	12/5/97	400
94	Montcalm	1128195	Timmins Nickel	98425	Teck Corp.	U	1	12/5/97	400
95	Montcalm	1128196	Timmins Nickel	98425	Teck Corp.	U	1	12/5/97	400
96	Montcalm	1128197	Timmins Nickel	98425	Teck Corp.	U	1	12/5/97	400
97	Montcalm	1128198	Timmins Nickel	98425	Teck Corp.	U	1	12/5/97	400
98	Montcalm	1128199	Timmins Nickel	98425	Teck Corp.	U	1	12/5/97	400
99	Montcalm	1128200	Timmins Nickel	98425	Teck Corp.	U	1	12/5/97	400
100	Montcalm	1128201	Timmins Nickel	98425	Teck Corp.	U	1	12/5/97	400
101	Montcalm	1128202	Timmins Nickel	98425	Teck Corp.	U	1	12/5/97	400
102	Montcalm	1128203	Timmins Nickel	98425	Teck Corp.	U	1	12/5/97	400
103	Montcalm	1128204	Timmins Nickel	98425	Teck Corp.	U	1	12/5/97	400
104	Montcalm	1128205	Timmins Nickel	98425	Teck Corp.	U	1	12/5/97	400
105	Montcalm	1128206	Timmins Nickel	98425	Teck Corp.	U	1	12/5/97	400
106	Montcalm	1128207	Timmins Nickel	98425	Teck Corp.	U	1	12/5/97	400
107	Montcalm	1128208	Timmins Nickel	98425	Teck Corp.	U	1	12/5/97	400
108	Montcalm	1128209	Timmins Nickel	98425	Teck Corp.	U	1	12/5/97	400
109	Montcalm	1128210	Timmins Nickel	98425	Teck Corp.	U	1	12/5/97	400
110	Montcalm	1128211	Timmins Nickel	98425	Teck Corp.	U	1	12/5/97	400
111	Montcalm	1128212	Timmins Nickel	98425	Teck Corp.	U	1	12/5/97	400
112	Montcalm	1128213	Timmins Nickel	98425	Teck Corp.	U	1	12/5/97	400
113	Montcalm	1128214	Timmins Nickel	98425	Teck Corp.	U	1	12/5/97	400
114	Montcalm	1128215	Timmins Nickel	98425	Teck Corp.	U	1	12/5/97	400
115	Montcalm	1128216	Timmins Nickel	98425	Teck Corp.	U	1	12/5/97	400
116	Montcalm	1128217	Timmins Nickel	98425	Teck Corp.	U	1	12/5/97	400
116	Claims				Totals		116	Units	\$46,400

**APPENDIX Id**  
**CLAIM STATUS**  
**MONTCALM MINE PROPERTY**

Appendix 1d

<b>Montcalm Mine Property Claims</b>							
<b>No.</b>	<b>Township</b>	<b>Claim Number</b>	<b>Project Name</b>	<b>Project Number</b>	<b>Registered Owner</b>	<b>Claim Type</b>	<b>Units</b>
1	Montcalm	437992	Outokumpu Option	98426	Teck Ex.	Lease No.971	1
2	Montcalm	437993	Outokumpu Option	98426	Teck Ex.	Lease No.971	1
3	Montcalm	437994	Outokumpu Option	98426	Teck Ex.	Lease No.971	1
4	Montcalm	437995	Outokumpu Option	98426	Teck Ex.	Lease No.971	1
5	Montcalm	437998	Outokumpu Option	98426	Teck Ex.	Lease No.971	1
6	Montcalm	437999	Outokumpu Option	98426	Teck Ex.	Lease No.971	1
7	Montcalm	438000	Outokumpu Option	98426	Teck Ex.	Lease No.971	1
8	Montcalm	452681	Outokumpu Option	98426	Teck Ex.	Lease No.971	1
9	Montcalm	452682	Outokumpu Option	98426	Teck Ex.	Lease No.971	1
10	Montcalm	452683	Outokumpu Option	98426	Teck Ex.	Lease No.971	1
11	Montcalm	452685	Outokumpu Option	98426	Teck Ex.	Lease No.970	1
12	Montcalm	452686	Outokumpu Option	98426	Teck Ex.	Lease No.970	1
13	Montcalm	452687	Outokumpu Option	98426	Teck Ex.	Lease No.970	1
14	Montcalm	452689	Outokumpu Option	98426	Teck Ex.	Lease No.970	1
15	Montcalm	452690	Outokumpu Option	98426	Teck Ex.	Lease No.971	1
16	Montcalm	452691	Outokumpu Option	98426	Teck Ex.	Lease No.971	1
17	Montcalm	458298	Outokumpu Option	98426	Teck Ex.	Lease No.970	1
18	Montcalm	458299	Outokumpu Option	98426	Teck Ex.	Lease No.970	1
19	Montcalm	479950	Outokumpu Option	98426	Teck Ex.	Lease No.971	1
20	Montcalm	479951	Outokumpu Option	98426	Teck Ex.	Lease No.971	1

**APPENDIX II**  
**DIAMOND DRILL LOGS**



## TECK EXPLORATION LTD. DIAMOND DRILL LOG

Job <u>98424</u> N.T.S. <u>42 B/09</u> Property <u>Montcalm Adjacent Claims</u> Township <u>Nova, Grid H West</u> Location: Line <u>23+00E</u> Station <u>15+00S</u> Elevation <u>300 m</u> UTM Easting <u>406239</u> Northing <u>5379352</u>	Objective <u>Testing MAX-MIN-PEM anomaly</u> Claim No. <u>1200548</u> Drilling Co. <u>Bradley Bros.</u> Commenced <u>January 23, 1996</u> Completed <u>January 26, 1996</u> Date Logged <u>January 27, 1996</u> Length <u>198.00 m</u>	Core Location <u>North Bay</u> Distance to Water <u>300 m</u> Casing <u>Left in hole</u> Core Size <u>NQ</u>	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Tests</th> <th style="text-align: center;">Dip</th> <th style="text-align: center;">Azimuth</th> </tr> </thead> <tbody> <tr> <td>At Collar</td> <td style="text-align: center;">-50°</td> <td style="text-align: center;">360°</td> </tr> <tr> <td>50 m</td> <td style="text-align: center;">-47°</td> <td style="text-align: center;">360°</td> </tr> <tr> <td>100 m</td> <td style="text-align: center;">-47°</td> <td style="text-align: center;">360°</td> </tr> <tr> <td>150 m</td> <td style="text-align: center;">-47°</td> <td style="text-align: center;">360°</td> </tr> <tr> <td>200 m</td> <td style="text-align: center;">-47°</td> <td style="text-align: center;">360°</td> </tr> </tbody> </table>	Tests	Dip	Azimuth	At Collar	-50°	360°	50 m	-47°	360°	100 m	-47°	360°	150 m	-47°	360°	200 m	-47°	360°
Tests	Dip	Azimuth																			
At Collar	-50°	360°																			
50 m	-47°	360°																			
100 m	-47°	360°																			
150 m	-47°	360°																			
200 m	-47°	360°																			
Remarks <u>Conductive magnetite ± pyrrhotite stringers from 126.00-133.00 and 157.00-182.00 metres. All whole rock samples classify as ultramafic.</u>																					

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
			<u>Summary Log</u>						
			Assays - 37      Whole Rock - 10						
0.00	40.00	OB	CASING						
40.00	198.00	4a	PERIDOTITE						
	198.00	EOH	END OF HOLE						

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
				J4624	167.00	168.00	1.00	920	4
				J4625	168.00	169.00	1.00	1008	5
				J4626	169.00	170.00	1.00	985	35
				J4627	170.00	171.00	1.00	1050	5
				J4628	171.00	172.00	1.00	1072	43
				J4629	172.00	173.00	1.00	1116	25
				J4630	173.00	174.00	1.00	1107	5
				J4631	174.00	175.00	1.00	965	19
				J4632	175.00	176.00	1.00	992	3
				J4633	176.00	177.00	1.00	1050	3
				J4634	177.00	178.00	1.00	1021	2
				J4635	178.00	179.00	1.00	1044	2
				J4636	179.00	180.00	1.00	900	3
				J4637	180.00	181.20	1.20	920	3
	198.00	END OF HOLE							
			* Denotes Whole Rock Samples						

*M. Y. Houle*

**WHOLE ROCK ANALYSIS**

**MAJOR ELEMENTS**

SAMPLE	LOCATION	ROCK TYPE	From	To	Lgth	NA2O	MGO	AL2O3	SI02	P2O5	K2O	CAO	TI02	CR2O3	MNO	FE2O3	LOI	SUM
J4501	MAC96-01	Peridotite	47.00	49.00	2.00	0.19	33.40	2.76	36.30	<0.01	0.03	1.82	0.13	0.60	0.16	13.10	11.50	100.00
J4502	MAC96-01	Peridotite	68.00	71.00	3.00	0.12	32.90	2.77	35.60	<0.01	<0.01	2.62	0.14	0.55	0.16	13.10	12.10	100.10
J4503	MAC96-01	Peridotite	86.00	89.00	3.00	0.07	32.00	2.97	35.70	<0.01	<0.01	2.67	0.14	0.55	0.13	11.80	14.10	100.10
J4504	MAC96-01	Peridotite	101.00	104.00	3.00	0.08	35.20	2.16	36.80	<0.01	<0.01	1.28	0.13	0.65	0.15	10.40	13.20	100.10
J4505	MAC96-01	Peridotite	119.00	122.00	3.00	0.08	34.00	2.07	34.30	<0.01	<0.01	1.55	0.09	0.62	0.17	13.90	13.40	100.20
J4506	MAC96-01	Peridotite	131.00	134.00	3.00	0.07	34.20	2.10	36.60	<0.01	<0.01	1.43	0.11	0.64	0.14	12.10	12.80	100.20
J4507	MAC96-01	Peridotite	146.00	149.00	3.00	0.08	31.80	1.58	30.70	<0.01	<0.01	3.80	0.12	0.52	0.26	15.50	16.00	100.40
J4508	MAC96-01	Peridotite	161.00	164.00	3.00	0.10	26.00	3.06	29.20	2.74	<0.01	9.45	0.15	0.59	0.20	12.90	14.10	98.50
J4509	MAC96-01	Peridotite	173.00	178.00	5.00	0.06	33.10	2.05	33.70	0.05	<0.01	2.85	0.09	0.56	0.20	13.00	14.70	100.40
J4510	MAC96-01	Peridotite	191.00	194.00	3.00	0.10	28.90	1.96	31.70	<0.01	0.03	3.61	0.09	0.53	0.19	12.40	21.10	100.60

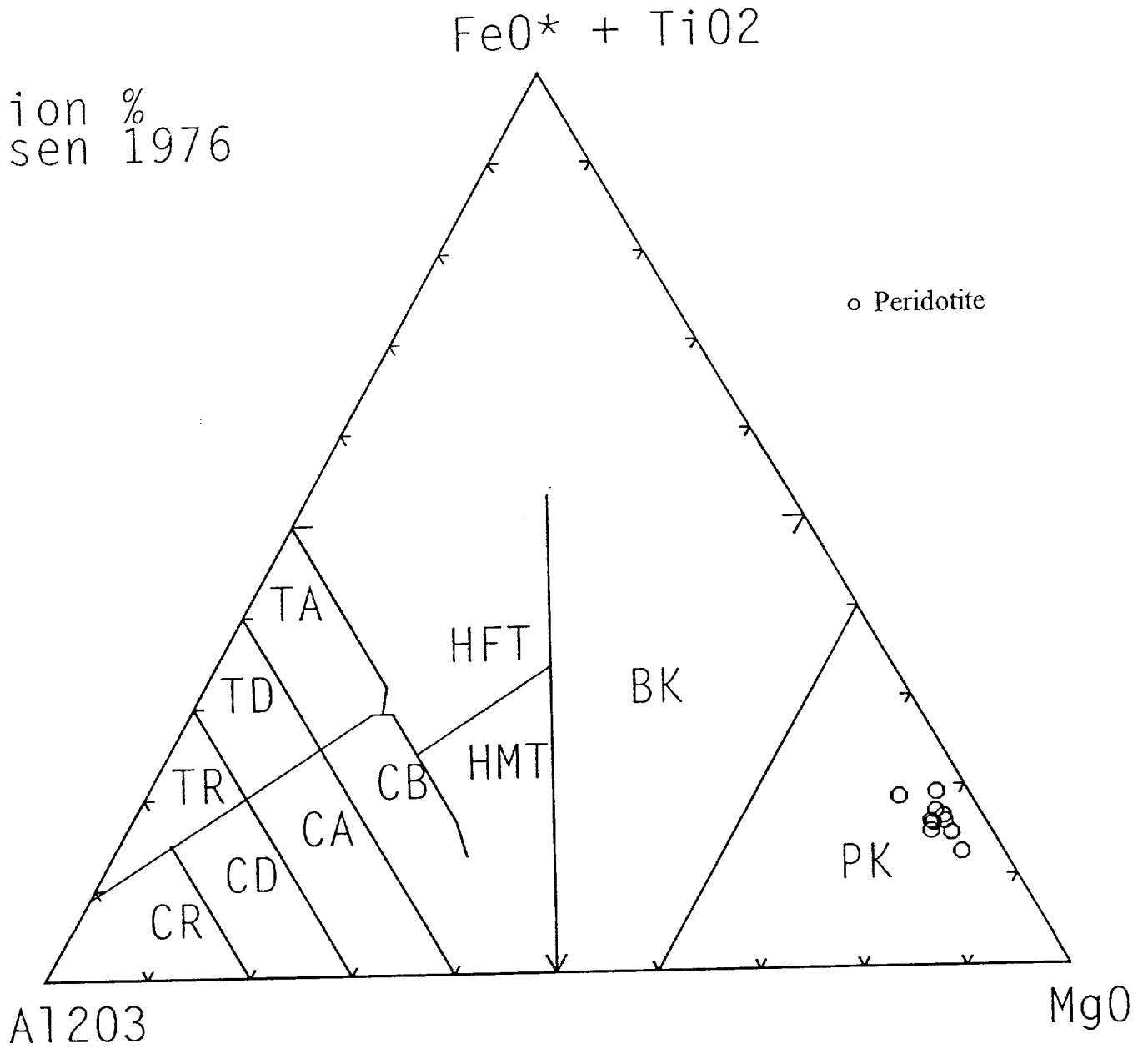
**TRACE ELEMENTS**

SAMPLE	LOCATION	ROCK TYPE	From	To	Lgth	RB	SR	Y	ZR	NB	BA	AU	AU	CHK	CU	NI
J4501	MAC96-01	Peridotite	47.00	49.00	2.00	<2	35	6	19	<2	74	32			7	912
J4502	MAC96-01	Peridotite	68.00	71.00	3.00	<2	34	2	17	<2	82	26			8	846
J4503	MAC96-01	Peridotite	86.00	89.00	3.00	<2	37	2	17	<2	92	24			19	741
J4504	MAC96-01	Peridotite	101.00	104.00	3.00	<2	30	5	14	<2	89	24			4	1118
J4505	MAC96-01	Peridotite	119.00	122.00	3.00	<2	34	5	12	2	73	16			5	1067
J4506	MAC96-01	Peridotite	131.00	134.00	3.00	<2	30	3	14	<2	67	10			4	888
J4507	MAC96-01	Peridotite	146.00	149.00	3.00	<2	64	7	19	<2	80	16			4	831
J4508	MAC96-01	Peridotite	161.00	164.00	3.00	<2	204	17	18	2	104	18			250	3620
J4509	MAC96-01	Peridotite	173.00	178.00	5.00	<2	46	3	16	2	89	10			14	1122
J4510	MAC96-01	Peridotite	191.00	194.00	3.00	<2	95	3	18	<2	118	12		10	25	580

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
0.00	40.00	CASING							
40.00	198.00	PERIDOTITE (ULTRAMAFIC)	Dark green, coarse-grained, grains of magnetite, olivine, pyroxenite up to 1 cm equigranular throughout. Chloritic - talcose in places, serpentinite. Strongly magnetic. Magnetite up to 20% of volume. Weakly to locally undeformed. Local chloritic shears (cm-scale) at 40° to core axis. Carbonate - talc ± serpentine veins locally prominent, variably oriented. Magnetite occurs as discrete crystals replacing olivine and as stringers 1-3 mm wide. Variably oriented. Some sections of less serpentinitized, harder rock. See Rep Sample #1 (coarse-grained magnetite-olivine-pyroxenite). Weakly foliated at 50° to core axis. 72.80-73.50 - Broken core, shear zone, brittle-ductile parallel to core axis. Weathered rusty. 73.50-77.00 - Orange, chloritic. Fault gouge sections parallel to core axis. Poor recovery - 70%. Note: mm-scale. Magnetite seams locally. 77.00-78.00 - Numerous chloritic shears and fault gouge/pseudotachylyte at 50° to core axis. Below 101.00 - Magnetite ± pyrrhotite seams more prevalent 1-2% stringers at 30° to core axis in carbonate-serpentine-chlorite veinlets. 114.30-115.30 - Glomeroporphyritic section (layer?) of serpentinitized olivine crystals 0.75 mm in size equidimensional in finer grained 1-3 mm peridotite. 126.00-133.00 - Serpentine-talc-carbonate-magnetite assemblage with magnetite ± pyrrhotite stringers up to 3% and disseminations. Carbonate veins oriented at 50° to core axis. Tension fractures en echelon. 157.00-182.00 - Zone of heavier pyrrhotite mineralization up to 10% locally, more typically 5-7% within serpentinitized peridotite. Pyrrhotite more common associated with late carbonate veins at 40° to core axis. 183.50 - 198.00 - Mineralization <5%. Pyrrhotite typically 2% stringers mm-scale in peridotite. Magnetite locally 20% of rock.	J4501*	47.00	49.00	2.00	912	7
				J4502*	68.00	71.00	3.00	846	8
				J4503*	86.00	89.00	3.00	741	19
				J4504*	101.00	104.00	3.00	1118	4
				J4505*	119.00	122.00	3.00	1067	5
				J4601	104.50	105.50	1.00	1384	42
				J4602	105.50	106.50	1.00	1756	183
				J4603	110.50	111.00	0.50	921	10
				J4604	116.00	117.00	1.00	1038	42
				J4605	117.00	118.00	1.00	956	4
				J4606	125.00	126.00	1.00	1045	20
				J4607	126.00	127.00	1.00	1033	49
				J4608	127.00	128.00	1.00	1108	6
				J4609	128.00	129.00	1.00	1020	5
				J4610	129.00	130.00	1.00	1027	34
				J4611	130.00	131.00	1.00	916	5
				J4612	131.00	132.00	1.00	837	5
				J4613	132.00	133.00	1.00	840	7
				J4614	157.00	158.00	1.00	935	7
				J4615	158.00	159.00	1.00	886	5
				J4506*	131.00	134.00	3.00	888	4
				J4507*	146.00	149.00	3.00	831	4
				J4508*	161.00	164.00	3.00	3620	250
				J4509*	173.00	178.00	5.00	1122	14
				J4510*	191.00	194.00	3.00	580	25
				J4616	159.00	160.00	1.00	856	7
				J4617	160.00	161.00	1.00	847	24
				J4618	161.00	162.00	1.00	820	34
				J4619	162.00	162.50	0.50	1510	79
				J4620	162.50	163.50	1.00	5260	271
				J4621	163.50	165.00	1.50	1006	55
				J4622	165.00	166.00	1.00	865	5
				J4623	166.00	167.00	1.00	913	10

Whole Rock Data  
MAC96-01

Cation %  
Jensen 1976



## TECK EXPLORATION LTD. DIAMOND DRILL LOG

Job <u>98424</u> N.T.S. <u>42 B/09</u> Property <u>Montcalm Adjacent Claims</u> Township <u>Nova Grid H-West</u> Location: Line <u>25+00E</u> Station <u>16+50S</u> Elevation <u>300 m</u> UTM Easting <u>406434</u> Northing <u>5379199</u>	Objective <u>Testing MAX-MIN-TEM anomaly</u> Claim No. <u>1200547</u> Drilling Co. <u>Bradley Bros.</u> Commenced <u>January 26, 1996</u> Completed <u>January 30, 1996</u> Date Logged <u>January 31, 1996</u> Length <u>245.00 m</u>	Core Location <u>North Bay</u> Distance to Water <u>200 m</u> Casing <u>Left in hole</u> Core Size <u>NQ</u>	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Tests</th> <th style="text-align: left;">Dip</th> <th style="text-align: left;">Azimuth</th> </tr> </thead> <tbody> <tr> <td>At Collar</td> <td><u>-50°</u></td> <td><u>180°</u></td> </tr> <tr> <td><u>50 m</u></td> <td><u>-48°</u></td> <td><u>180°</u></td> </tr> <tr> <td><u>101 m</u></td> <td><u>-48°</u></td> <td><u>180°</u></td> </tr> <tr> <td><u>140 m</u></td> <td><u>-47°</u></td> <td><u>180°</u></td> </tr> <tr> <td><u>245 m</u></td> <td><u>-46°</u></td> <td><u>180°</u></td> </tr> </tbody> </table>	Tests	Dip	Azimuth	At Collar	<u>-50°</u>	<u>180°</u>	<u>50 m</u>	<u>-48°</u>	<u>180°</u>	<u>101 m</u>	<u>-48°</u>	<u>180°</u>	<u>140 m</u>	<u>-47°</u>	<u>180°</u>	<u>245 m</u>	<u>-46°</u>	<u>180°</u>
Tests	Dip	Azimuth																			
At Collar	<u>-50°</u>	<u>180°</u>																			
<u>50 m</u>	<u>-48°</u>	<u>180°</u>																			
<u>101 m</u>	<u>-48°</u>	<u>180°</u>																			
<u>140 m</u>	<u>-47°</u>	<u>180°</u>																			
<u>245 m</u>	<u>-46°</u>	<u>180°</u>																			
Remarks <u>Conductive zone from 100.00-128.00 metres. 10-15% magnetite ± pyrrhotite stringers. All chemical analyses classify as ultramafic.</u>																					

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
<u>Summary Log</u>									
			Assays - 29      Whole Rock - 13						
0.00	34.00	OB	CASING						
34.00	245.00	4a	PERIDOTITE						
	245.00	EOH	END OF HOLE						



Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
				J4648	111.00	112.00	1.00	1057	3
				J4649	112.00	113.00	1.00	1077	3
				J4650	113.00	114.00	1.00	1018	4
				J4651	114.00	115.00	1.00	1231	4
				J4652	115.00	116.00	1.00	1105	4
				J4653	116.00	117.00	1.00	1022	11
				J4654	117.00	118.00	1.00	934	4
				J4655	118.00	119.00	1.00	1040	18
				J4656	119.00	120.00	1.00	981	232
				J4657	120.00	121.00	1.00	1084	6
				J4658	121.00	122.00	1.00	1070	5
				J4659	122.00	123.00	1.00	1068	13
				J4660	123.00	124.00	1.00	1090	5
				J4661	124.00	125.00	1.00	1056	4
				J4662	125.00	126.00	1.00	950	4
				J4663	126.00	127.00	1.00	1088	5
				J4664	127.00	128.00	1.00	710	76
				J4665	128.00	129.00	1.00	1116	4
				J4666	129.00	130.00	1.00	1020	3
158.27	162.49	GABBRO (TALCOSE) (ULTRAMAFIC)	Greyish green, medium-grained. Soft talcose. Local feldspars evident. Lighter colour due to pervasive talc alteration ± carbonate. Strongly magnetic. Lower contact sharp at 80° to core axis.	J4518*	158.27	162.49	4.22	783	24
162.49	245.00	PYROXENITE/PERIDOTITE (ULTRAMAFIC)	Dark green to black, medium-grained, strongly magnetic. Same as 34.00-79.25. 202.00-203.30 - Leucocratic section containing talc-plagioclase and magnetite-hornblende laths giving rock speckled texture.	J4519*	173.00	176.00	3.00	1084	7
				J4520*	191.00	194.00	3.00	1102	26
				J4521*	206.00	209.00	3.00	1010	14
				J4522*	218.00	221.00	3.00	1002	9
				J4523*	242.00	245.00	3.00	890	7
	245.00	END OF HOLE							
			* Denotes Whole Rock Samples						



## WHOLE ROCK ANALYSIS

### MAJOR ELEMENTS

SAMPLE	LOCATION	ROCK TYPE	From	To	Lgth	NA2O	MGO	AL2O3	SiO2	P2O5	K2O	CAO	TiO2	CR2O3	MNO	FE2O3	LOI	SUM
J4511	MAC96-02	Peridotite	41.00	44.00	3.00	0.09	33.00	2.17	35.00	0.05	<0.01	1.82	0.15	0.59	0.18	13.50	13.60	100.20
J4512	MAC96-02	Peridotite	62.00	65.00	3.00	0.06	33.20	2.34	36.20	<0.01	<0.01	1.21	0.09	0.60	0.12	13.50	13.00	100.30
J4513	MAC96-02	Gabbro	82.00	82.15	0.15	0.06	27.60	2.29	32.40	<0.01	<0.01	6.55	0.09	0.37	0.21	9.83	21.00	100.40
J4514	MAC96-02	Peridotite	89.00	92.00	3.00	0.05	33.70	1.74	34.10	<0.01	<0.01	1.59	0.09	0.59	0.17	14.40	13.90	100.40
J4515	MAC96-02	Peridotite	101.00	104.00	3.00	0.08	34.40	2.01	34.50	<0.01	<0.01	0.93	0.09	0.59	0.10	13.30	14.20	100.20
J4516	MAC96-02	Peridotite	122.00	125.00	3.00	0.06	34.00	1.97	33.40	<0.01	<0.01	1.22	0.08	0.59	0.22	14.60	14.20	100.40
J4517	MAC96-02	Peridotite	140.00	143.00	3.00	0.09	35.20	1.92	34.90	0.02	<0.01	0.61	0.13	0.65	0.14	13.00	13.60	100.30
J4518	MAC96-02	Gabbro	158.27	162.49	4.22	0.10	31.40	1.95	31.00	<0.01	0.03	1.75	0.07	0.56	0.18	12.60	20.90	100.60
J4519	MAC96-02	Pyroxenite	173.00	176.00	3.00	0.13	34.60	2.38	35.40	<0.01	<0.01	1.28	0.13	0.62	0.16	13.30	12.20	100.20
J4520	MAC96-02	Pyroxenite	191.00	194.00	3.00	0.09	34.90	2.15	35.80	<0.01	<0.01	1.74	0.13	0.68	0.16	12.70	11.80	100.20
J4521	MAC96-02	Pyroxenite	206.00	209.00	3.00	0.13	34.80	2.25	35.60	<0.01	<0.01	2.16	0.12	0.61	0.19	13.40	11.00	100.30
J4522	MAC96-02	Pyroxenite	218.00	221.00	3.00	0.17	35.50	2.38	36.40	<0.01	0.03	1.46	0.13	0.64	0.18	14.10	9.15	100.20
J4523	MAC96-02	Pyroxenite	242.00	245.00	3.00	0.08	33.30	2.42	34.80	<0.01	<0.01	1.25	0.14	0.60	0.20	14.70	12.70	100.20

### TRACE ELEMENTS

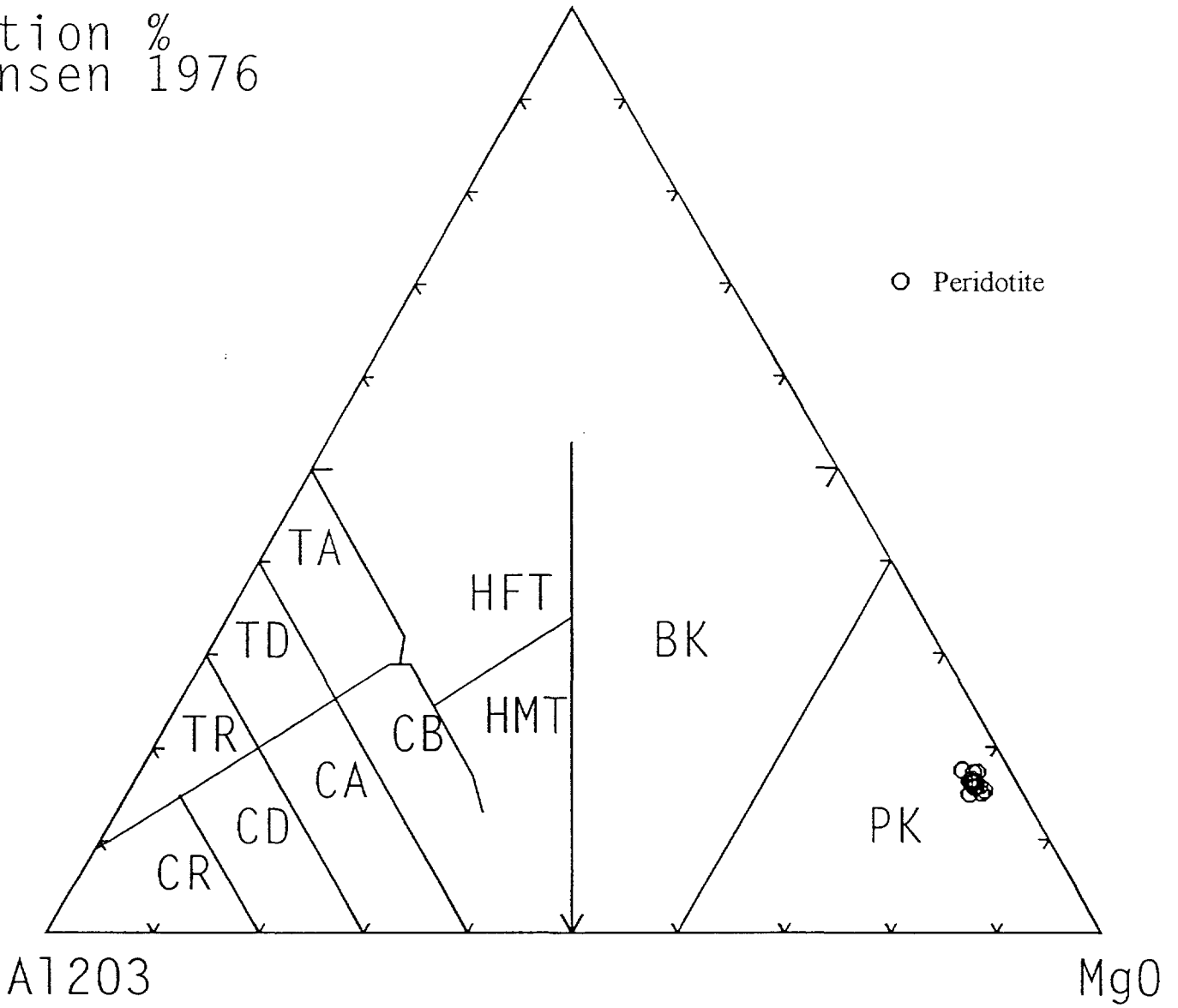
SAMPLE	LOCATION	ROCK TYPE	From	To	Lgth	RB	SR	Y	ZR	NB	BA	AU	AU	CHK	CU	NI
J4511	MAC96-02	Peridotite	41.00	44.00	3.00	<2	46	<2	19	<2	88	10			7	1042
J4512	MAC96-02	Peridotite	62.00	65.00	3.00	<2	33	7	12	<2	86	10			6	963
J4513	MAC96-02	Gabbro	82.00	82.15	0.15	<2	116	2	13	6	124	10			46	484
J4514	MAC96-02	Peridotite	89.00	92.00	3.00	<2	51	<2	13	<2	110	6			5	1117
J4515	MAC96-02	Peridotite	101.00	104.00	3.00	<2	35	6	15	<2	79	8			4	1075
J4516	MAC96-02	Peridotite	122.00	125.00	3.00	<2	35	5	15	<2	100	8			4	1100
J4517	MAC96-02	Peridotite	140.00	143.00	3.00	<2	23	4	19	<2	61	10			4	1143
J4518	MAC96-02	Gabbro	158.27	162.49	4.22	<2	71	7	13	<2	122	8			24	783
J4519	MAC96-02	Pyroxenite	173.00	176.00	3.00	<2	31	3	16	<2	57	6			7	1084
J4520	MAC96-02	Pyroxenite	191.00	194.00	3.00	<2	46	3	15	<2	98	8	8		26	1102
J4521	MAC96-02	Pyroxenite	206.00	209.00	3.00	<2	50	<2	17	<2	67	14			14	1010
J4522	MAC96-02	Pyroxenite	218.00	221.00	3.00	<2	32	2	16	<2	65	18			9	1002
J4523	MAC96-02	Pyroxenite	242.00	245.00	3.00	<2	19	<2	16	<2	75	6			7	890

Whole Rock Data  
MAC96-02

FeO\* + TiO<sub>2</sub>

Cation %  
Jensen 1976

○ Peridotite



## TECK EXPLORATION LTD. DIAMOND DRILL LOG

Job <u>98424</u> N.T.S. <u>42 B/09</u> Property <u>Montcalm Adjacent Claims</u> Township <u>Nova Grid H-West</u> Location: Line <u>29+00E</u> Station <u>1+25S</u> Elevation <u>300 m</u> UTM Easting <u>406853</u> Northing <u>5380717</u>	Objective <u>Testing TEM- MAX-MIN anomaly</u> Claim No. <u>1200549</u> Drilling Co. <u>Bradley Bros.</u> Commenced <u>January 31, 1996</u> Completed <u>February 03, 1996</u> Date Logged <u>February 04, 1996</u> Length <u>253.00 m</u>	Core Location <u>North Bay</u> Distance to Water <u>300 m</u> Casing <u>Left in hole</u> Core Size <u>NQ</u>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: left;">Tests</td> <td style="text-align: center;">Dip</td> <td style="text-align: center;">Azimuth</td> </tr> <tr> <td>At Collar</td> <td style="text-align: center;">-52°</td> <td style="text-align: center;">170°</td> </tr> <tr> <td style="text-align: center;">101 m</td> <td style="text-align: center;">-46°</td> <td style="text-align: center;">170°</td> </tr> <tr> <td style="text-align: center;">150 m</td> <td style="text-align: center;">-44°</td> <td style="text-align: center;">170°</td> </tr> <tr> <td style="text-align: center;">250 m</td> <td style="text-align: center;">-46°</td> <td style="text-align: center;">170°</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	Tests	Dip	Azimuth	At Collar	-52°	170°	101 m	-46°	170°	150 m	-44°	170°	250 m	-46°	170°						
Tests	Dip	Azimuth																						
At Collar	-52°	170°																						
101 m	-46°	170°																						
150 m	-44°	170°																						
250 m	-46°	170°																						
Remarks <u>Conductive magnetite ± pyrrhotite stringers intersected from 120.20-149.00 and 193.80-213.43 metres. All whole rock samples classify as ultramafic.</u>																								

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
			<u>Summary Log</u>						
			Assays - 36                  Whole Rock - 16						
0.00	25.00	OB	CASING						
25.00	253.00	4a	PERIDOTITE						
	253.00	EOH	END OF HOLE						

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
0.00	25.00	CASING							
25.00	213.43	PERIDOTITE/PYROXENITE (ULTRAMAFIC)	Dark green to black, medium-grained, strongly magnetic. Talcose-serpentinized-magnetic 10-15%. Altered ultramafic intrusive, massive, structureless. Weakly foliated at 65° to core axis. Carbonate veinlets throughout. 63.90 - 0.5 cm wide magnetite stringer at 30° to core axis. 69.05 - As above. 91.80-95.00 - Core recovery 70%, blocky ultramafic rock. 120.20-149.00 - Minor up to 5% magnetite stringers or veinlets oriented at 35° to core axis in association with carbonate-serpentinite veins. 140.20-140.80 - Magnetite stringer parallel to core axis, 0.5 cm wide. 142.50 - Coarsening in mafic-ultramafic intrusive. Less serpentine, more mafic in composition. 193.80-213.43 - Magnetite stringers locally prevalent up to 5% variably oriented. Lower contact sharp at 80° to core axis.	J4524* J4525* J4526* J4527* J4528*  J4529* J4530* J4531* J4532* J4533* J4534* J4535* J4536*  J4667 J4668 J4669 J4670 J4671 J4672 J4673 J4674 J4675 J4676 J4677 J4678	26.00 47.00 62.00 86.00 95.00  113.00 128.00 140.00 152.00 164.00 182.00 200.00 212.00  193.50 203.00 204.00 205.00 206.00 207.00 208.00 209.00 210.00 211.00 212.00 213.00	29.00 50.00 65.00 89.00 98.00  116.00 131.00 143.00 155.00 167.00 185.00 203.00 214.00  194.50 204.00 205.00 206.00 207.00 208.00 209.00 210.00 211.00 212.00 213.00 213.43	3.00 3.00 3.00 3.00 3.00  3.00 3.00 3.00 3.00 3.00 3.00 3.00 2.00  1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.43	1285 1275 1236 1260 1227  1210 1150 972 1011 1044 1200 1000 458  910 881 845 856 888 852 851 890 853 825 822 655	4 10 257 17 11  6 5 6 6 5 5 4 39  4 13 6 4 4 4 5 4 36 120 150 20
213.43	219.00	LEUCO-PERIDOTITE (ULTRAMAFIC)	Light green, medium-grained, mafic-ultramafic in composition, feldspar common - 10%. Cumulate magnetite throughout 5%. Carbonatized, leucocratic. Lower contact transitional. Cross cut by carbonate veinlets variably oriented. Pyroxenite-plagioclase show ophitic to diabase texture.	J4537* J4679 J4680 J4681 J4682 J4683 J4684	215.00 213.43 214.35 215.00 216.00 217.00 218.00	218.00 214.35 215.00 216.00 217.00 218.00 219.00	3.00 0.92 0.65 1.00 1.00 1.00 1.00	851 199 778 742 780 706 783	36 16 50 17 65 167 9

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
219.00	253.00	PERIDOTITE (ULTRAMAFIC)	Dark bluish green to black - soft talcose - serpentinized. Similar to 25.00-213.43. Magnetite 10% typically. 227.00-236.00 - Mineralized with 10-15% magnetite stringers, late with carbonate veinlets parallel to core axis.	J4538*	224.00	227.00	3.00	1072	6
				J4539*	242.00	245.00	3.00	1093	5
				J4685	219.00	220.00	1.00	904	5
				J4686	220.00	221.00	1.00	1035	3
				J4687	221.00	222.00	1.00	1014	3
				J4688	222.00	223.00	1.00	1050	3
				J4689	223.00	224.00	1.00	1100	3
				J4690	224.00	225.00	1.00	1120	3
				J4691	225.00	226.00	1.00	1062	3
				J4692	226.00	227.00	1.00	1104	3
				J4693	227.00	228.00	1.00	1169	4
				J4694	228.00	229.00	1.00	1105	3
				J4695	229.00	230.00	1.00	1047	3
				J4696	230.00	231.00	1.00	1086	3
				J4697	231.00	232.00	1.00	1114	4
				J4698	232.00	233.00	1.00	1033	3
				J4699	233.00	233.50	0.50	1062	4
				J4700	233.50	234.50	1.00	1091	3
				J4701	234.50	235.00	0.50	1231	4
				J4702	235.00	236.00	1.00	1044	3
	253.00	END OF HOLE							

\* Denotes Whole Rock Samples

## WHOLE ROCK ANALYSIS

### MAJOR ELEMENTS

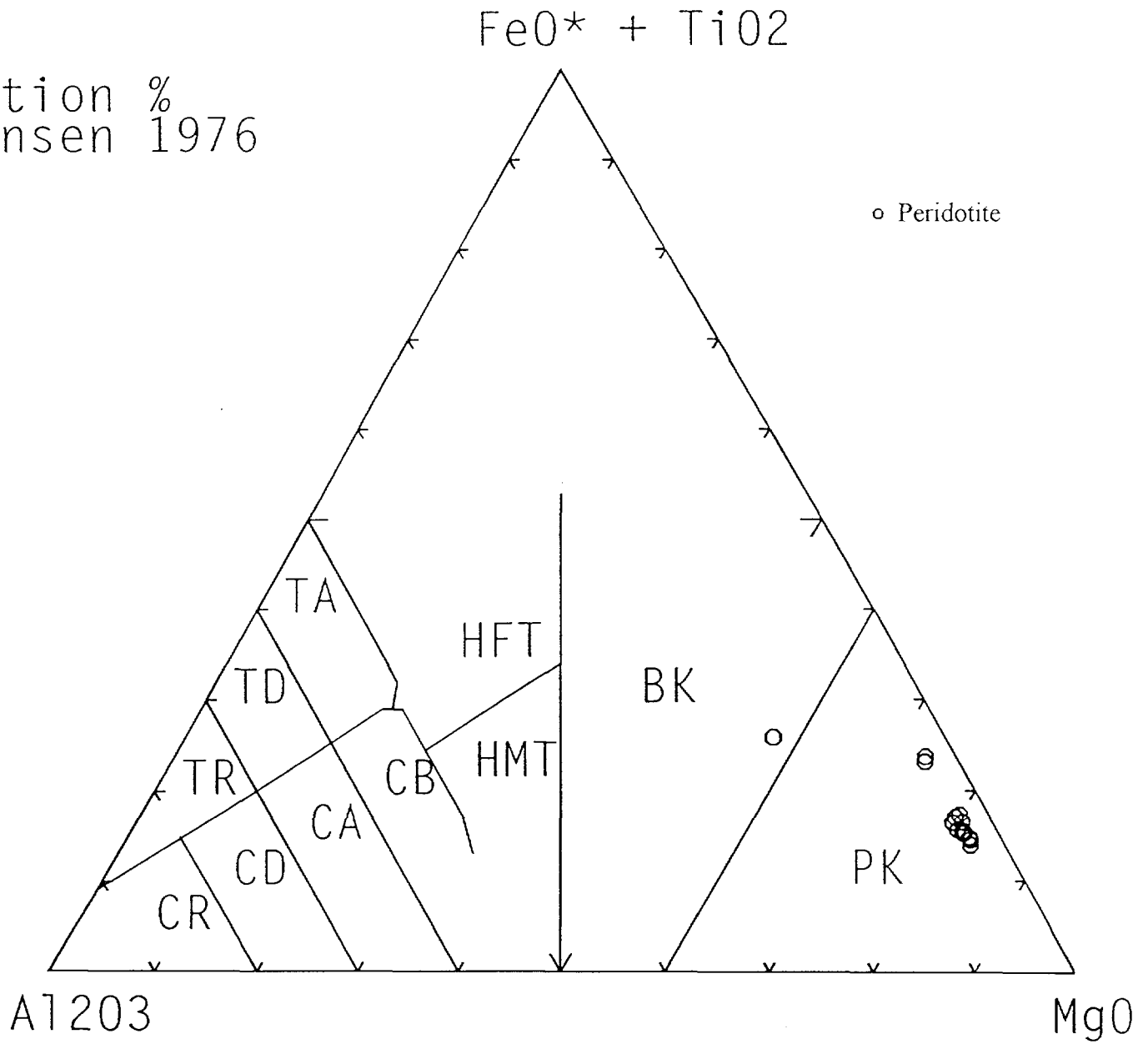
SAMPLE	LOCATION	ROCK TYPE	From	To	Lgth	NA2O	MGO	AL2O3	SI02	P2O5	K2O	CAO	TIO2	CR2O3	MNO	FE2O3	LOI	SUM
J4524	MAC96-03	Peridotite	26.00	29.00	3.00	0.06	35.20	2.22	35.40	<0.01	<0.01	0.64	0.11	0.72	0.15	14.30	11.20	100.00
J4525	MAC96-03	Peridotite	47.00	50.00	3.00	0.06	35.40	2.00	35.20	<0.01	<0.01	0.35	0.11	0.73	0.20	13.20	12.10	99.40
J4526	MAC96-03	Peridotite	62.00	65.00	3.00	0.06	35.60	1.91	36.90	<0.01	<0.01	0.88	0.10	0.76	0.17	11.80	11.80	100.00
J4527	MAC96-03	Peridotite	86.00	89.00	3.00	0.07	36.10	2.00	35.50	<0.01	<0.01	0.05	0.10	0.69	0.10	13.40	12.10	100.10
J4528	MAC96-03	Peridotite	95.00	98.00	3.00	0.08	35.60	2.18	34.90	<0.01	<0.01	0.04	0.07	0.63	0.14	13.60	12.90	100.20
J4529	MAC96-03	Peridotite	113.00	116.00	3.00	0.06	35.40	1.69	34.70	<0.01	<0.01	0.29	0.10	0.70	0.23	14.30	12.60	100.10
J4530	MAC96-03	Peridotite	128.00	131.00	3.00	0.05	32.20	1.87	32.10	<0.01	<0.01	1.23	0.07	0.53	0.26	20.10	11.90	100.30
J4531	MAC96-03	Peridotite	140.00	143.00	3.00	0.05	30.10	1.58	30.20	<0.01	<0.01	4.63	0.09	0.47	0.20	19.30	13.80	100.40
J4532	MAC96-03	Peridotite	152.00	155.00	3.00	0.06	34.00	1.85	34.50	<0.01	<0.01	2.12	0.12	0.58	0.18	14.40	12.40	100.20
J4533	MAC96-03	Peridotite	164.00	167.00	3.00	0.06	35.20	1.95	35.80	<0.01	<0.01	1.15	0.09	0.63	0.18	13.00	12.20	100.30
J4534	MAC96-03	Peridotite	182.00	185.00	3.00	0.06	35.40	1.63	34.60	<0.01	<0.01	0.52	0.13	0.64	0.22	15.10	12.10	100.40
J4535	MAC96-03	Peridotite	200.00	203.00	3.00	0.05	35.00	1.80	34.30	<0.01	<0.01	1.85	0.08	0.67	0.14	13.00	13.50	100.40
J4536	MAC96-03	Peridotite	212.00	214.00	2.00	0.24	20.10	7.39	29.50	0.14	3.11	8.65	0.86	0.24	0.25	17.10	12.70	100.40
J4537	MAC96-03	Leuco-per	215.00	218.00	3.00	0.05	32.00	1.71	32.30	<0.01	<0.01	5.19	0.08	0.55	0.21	12.10	16.30	100.50
J4538	MAC96-03	Peridotite	224.00	227.00	3.00	0.07	37.00	1.79	35.60	<0.01	<0.01	0.11	0.08	0.64	0.13	13.20	12.10	100.70
J4539	MAC96-03	Peridotite	242.00	245.00	3.00	0.06	36.70	1.80	35.70	<0.01	<0.01	0.27	0.08	0.64	0.16	12.80	12.10	100.30

### TRACE ELEMENTS

SAMPLE	LOCATION	ROCK TYPE	From	To	Lgth	RB	SR	Y	ZR	NB	BA	AU	AU CHK	CU	NI
J4524	MAC96-03	Peridotite	26.00	29.00	3.00	<2	17	<2	15	<2	75	8		4	1285
J4525	MAC96-03	Peridotite	47.00	50.00	3.00	<2	20	2	15	<2	98	8		10	1275
J4526	MAC96-03	Peridotite	62.00	65.00	3.00	<2	29	6	15	<2	92	4		257	1236
J4527	MAC96-03	Peridotite	86.00	89.00	3.00	<2	16	<2	14	<2	77	14		17	1260
J4528	MAC96-03	Peridotite	95.00	98.00	3.00	<2	20	2	13	<2	84	10		11	1227
J4529	MAC96-03	Peridotite	113.00	116.00	3.00	<2	15	<2	14	<2	91	10		6	1210
J4530	MAC96-03	Peridotite	128.00	131.00	3.00	<2	12	<2	13	<2	71	8	6	5	1150
J4531	MAC96-03	Peridotite	140.00	143.00	3.00	<2	39	<2	15	<2	89	6		6	972
J4532	MAC96-03	Peridotite	152.00	155.00	3.00	<2	22	<2	17	<2	86	10		6	1011
J4533	MAC96-03	Peridotite	164.00	167.00	3.00	<2	20	<2	14	3	71	8		5	1044
J4534	MAC96-03	Peridotite	182.00	185.00	3.00	<2	18	3	19	6	83	6		5	1200
J4535	MAC96-03	Peridotite	200.00	203.00	3.00	<2	26	<2	13	<2	87	2		4	1000
J4536	MAC96-03	Peridotite	212.00	214.00	2.00	54	240	11	83	6	625	6		39	458
J4537	MAC96-03	Leuco-per	215.00	218.00	3.00	<2	46	<2	12	<2	106	10		36	851
J4538	MAC96-03	Peridotite	224.00	227.00	3.00	<2	20	3	12	<2	61	6		6	1072
J4539	MAC96-03	Peridotite	242.00	245.00	3.00	<2	17	<2	12	<2	70	8		5	1093

Whole Rock Data  
MAC96-03

Cation %  
Jensen 1976



## TECK EXPLORATION LTD. DIAMOND DRILL LOG

Job <u>98424</u> N.T.S. <u>42 B/09</u> Property <u>Montcalm Adjacent Claims</u> Township <u>Nova Grid H-West</u> Location: Line <u>29+00E</u> Station <u>12+50S</u> Elevation <u>300 m</u> UTM Easting <u>406835</u> Northing <u>5379592</u>	Objective <u>Testing TEM anomaly</u> Claim No. <u>1200547</u> Drilling Co. <u>Bradley Bros.</u> Commenced <u>February 04, 1996</u> Completed <u>February 06, 1996</u> Date Logged <u>February 07, 1996</u> Length <u>209.00 m</u>	Core Location <u>North Bay</u> Distance to Water <u>350 m</u> Casing <u>Left in hole</u> Core Size <u>NQ</u>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: left;">Tests</td> <td style="text-align: center;">Dip</td> <td style="text-align: center;">Azimuth</td> </tr> <tr> <td>At Collar</td> <td style="text-align: center;"><u>-50°</u></td> <td style="text-align: center;"><u>360°</u></td> </tr> <tr> <td style="text-align: center;"><u>50 m</u></td> <td style="text-align: center;"><u>-45°</u></td> <td style="text-align: center;"><u>360°</u></td> </tr> <tr> <td style="text-align: center;"><u>101 m</u></td> <td style="text-align: center;"><u>-45°</u></td> <td style="text-align: center;"><u>360°</u></td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	Tests	Dip	Azimuth	At Collar	<u>-50°</u>	<u>360°</u>	<u>50 m</u>	<u>-45°</u>	<u>360°</u>	<u>101 m</u>	<u>-45°</u>	<u>360°</u>									
Tests	Dip	Azimuth																						
At Collar	<u>-50°</u>	<u>360°</u>																						
<u>50 m</u>	<u>-45°</u>	<u>360°</u>																						
<u>101 m</u>	<u>-45°</u>	<u>360°</u>																						
Remarks <u>Conductive magnetite ± pyrrhotite stringers from 119.00-131.00 metres. All whole rock samples classify as ultramafic.</u>																								

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
<u>Summary Log</u>									
			Assays - 35      Whole Rock - 13						
0.00	28.00	OB	CASING						
28.00	77.28	4a	PERIDOTITE						
77.28	78.32	5c	LAMPROPHYRE						
78.32	209.00	4a	PERIDOTITE						
	209.00	EOH	END OF HOLE						



Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
0.00	28.00	CASING							
28.00	77.28	PERIDOTITE/PYROXENITE (ULTRAMAFIC)	Dark green, medium-grained - locally black. Strongly magnetic intrusive. Ultramafic composition - to mafic transitional high Mg-tholeiite gabbro. Cumulate magnetite 5-10%, up to 5-7% plagioclase laths prominent in dark mixture of olivine and pyroxenite. Locally cross cut by quartz-carbonate veinlets variably oriented. Serpentine talc commonly developed - chloritic. 2% magnetite-pyrrhotite stringers randomly oriented as late veinlets. Magnetite prominent as metallic laths showing good cleavage. 46.30-49.00 - Broken core blocky.	J4540* J4541* J4542*	32.00 50.00 68.00	35.00 53.00 71.00	3.00 3.00 3.00	1025 1037 980	3 4 7
77.28	78.32	LAMPROPHYRE (ALKALIC)	Brown, medium-grained, porphyritic. Non magnetic. Pyroxene-biotite-amphibole assemblage. Upper and lower contacts sharp at 60° to core axis.	J4543*	77.28	78.32	1.04	401	84
78.32	117.50	PERIDOTITE/PYROXENITE (ULTRAMAFIC)	Same as 28.00-77.28. 88.50 - Carbonate-serpentine-chlorite veinlet parallel to core axis. 92.43-97.00 - Leucocratic pyroxenite 10-15% plagioclase. Plagioclase-rich layer, sharp upper contact at 60° to core axis. Cumulate tops up hole. 94.75-95.22 - Thin dyke of lamprophyre at 60° to core axis. Hornblende-plagioclase-biotite. 97.00-117.50 - Carbonate-calc-serpentine veinlets up to 15% of rock. Serpentine-chlorite throughout. Magnetite ± pyrrhotite mineralization 5-7% locally as mm-scale stringers near base.	J4544* J4545* J4546*	86.00 93.00 103.00	89.00 96.00 106.00	3.00 3.00 3.00	1049 1014 1096	5 27 5
117.50	140.50	SERPENTINITE/DUNITE (ULTRAMAFIC)	Lower contact transitional. Olive green, medium-grained serpentinized, strongly magnetic. Dunite - highly altered to magnetite-talc-serpentinite-carbonate. Cross cut by 10-15% carbonate ± pyrrhotite veinlets - variably oriented (tension fracture filling). Lower contact transitional at 140.50-141.75. 119.00-131.00 - Up to 15% magnetite ± pyrrhotite as stringers (late) associated with carbonate veinlets.	J4547* J4548*	119.00 137.00	122.00 140.00	3.00 3.00	1037 1010	17 6
140.50	209.00	PERIDOTITE TO FERRO-GABBRO (ULTRAMAFIC)	Dark green to black, medium-grained, strongly magnetic. Typical black peridotite, more mafic than previous section - high Fe composition. Uniform massive structureless. Minor <2% veining. Plagioclase evident	J4549* J4550* J4551*	143.00 164.00 182.00	146.00 167.00 185.00	3.00 3.00 3.00	1160 1227 1114	7 8 4

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
			up to 5% laths.	J4552*	200.00	203.00	3.00	1206	6
				J4703	107.00	108.00	1.00	1024	8
				J4704	108.00	109.00	1.00	910	3
				J4705	109.00	110.00	1.00	968	2
				J4706	110.00	111.00	1.00	960	3
				J4707	111.00	112.00	1.00	983	4
				J4708	112.00	113.00	1.00	1044	18
				J4709	113.00	114.00	1.00	1018	13
				J4710	114.00	115.00	1.00	1081	31
				J4711	115.00	116.00	1.00	1012	13
				J4712	116.00	117.00	1.00	1038	44
				J4713	117.00	118.00	1.00	1037	23
				J4714	118.00	119.00	1.00	1014	16
				J4715	119.00	120.00	1.00	1070	6
				J4716	120.00	121.00	1.00	1017	8
				J4717	121.00	122.00	1.00	1016	4
				J4718	122.00	123.00	1.00	1000	4
				J4719	123.00	124.00	1.00	1067	4
				J4720	124.00	125.00	1.00	1002	3
				J4721	125.00	126.00	1.00	1013	4
				J4722	126.00	127.00	1.00	1022	3
				J4723	127.00	128.00	1.00	980	6
				J4724	128.00	129.00	1.00	1010	6
				J4725	129.00	130.00	1.00	1047	22
				J4726	130.00	131.00	1.00	1057	7
				J4727	131.00	132.00	1.00	1006	11
				J4728	132.00	133.00	1.00	970	4
				J4729	133.00	134.00	1.00	1029	8
				J4730	134.00	135.00	1.00	820	46
				J4731	135.00	136.00	1.00	833	5
				J4732	136.00	137.00	1.00	1066	25
				J4733	137.00	138.00	1.00	1081	6
				J4734	138.00	139.00	1.00	1038	3
				J4735	139.00	140.00	1.00	1107	10
				J4736	140.00	141.00	1.00	1062	3
				J4737	141.00	142.00	1.00	1104	5

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
	209.00	END OF HOLE	* Denotes Whole Rock Samples						

*M.Y. Houle*

## WHOLE ROCK ANALYSIS

### MAJOR ELEMENTS

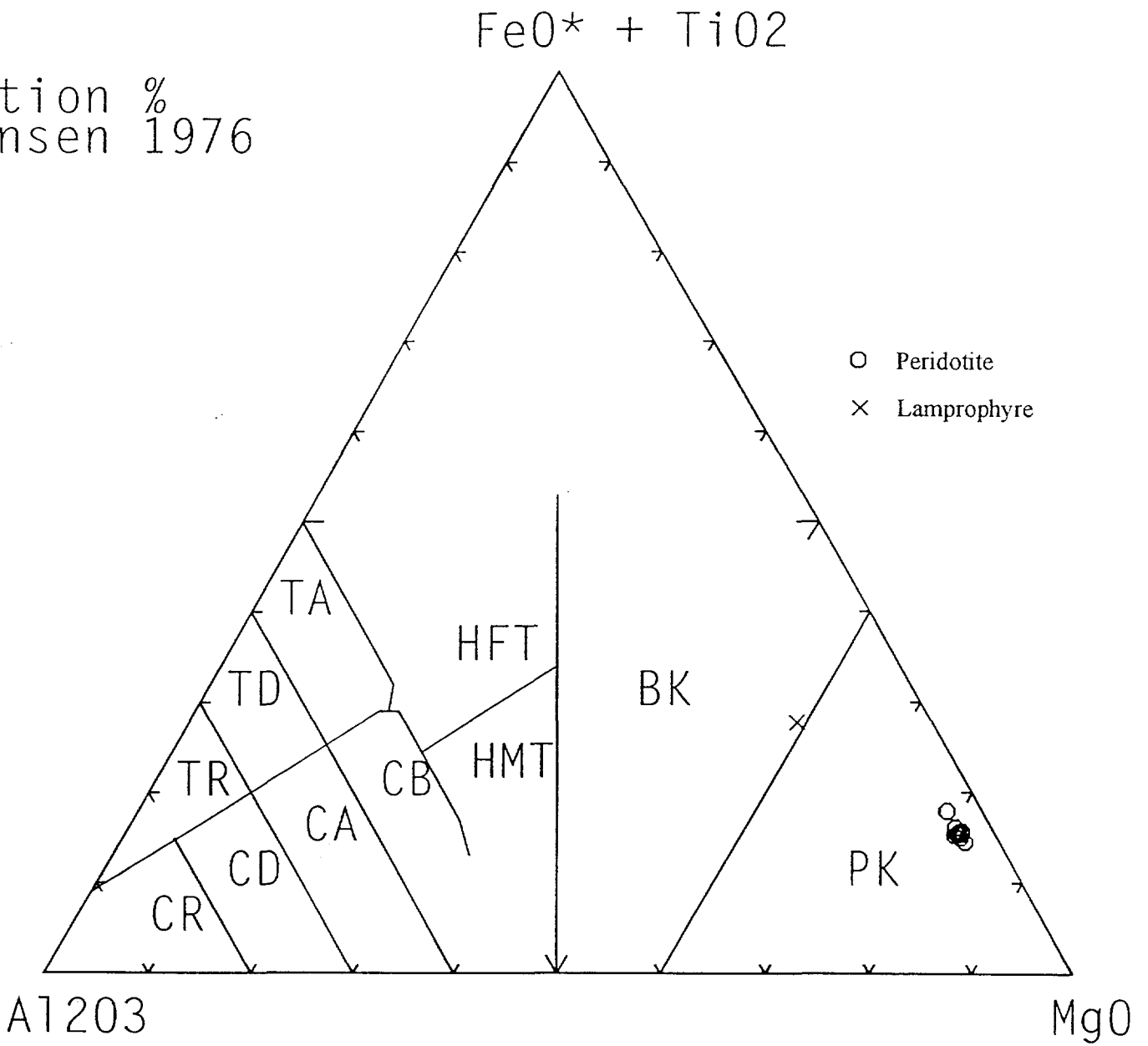
SAMPLE	LOCATION	ROCK TYPE	From	To	Lgth	NA2O	MGO	AL2O3	SI02	P2O5	K2O	CAO	TIO2	CR2O3	MNO	FE2O3	LOI	SUM
J4540	MAC96-04	Peridotite	32.00	35.00	3.00	0.04	36.70	1.92	36.10	<0.01	<0.01	0.40	0.09	0.66	0.10	12.80	12.00	100.80
J4541	MAC96-04	Peridotite	50.00	53.00	3.00	0.06	34.90	2.00	35.20	<0.01	<0.01	1.61	0.09	0.61	0.19	12.60	13.10	100.40
J4542	MAC96-04	Peridotite	68.00	71.00	3.00	0.07	33.70	1.85	33.60	<0.01	0.01	2.56	0.09	0.61	0.26	13.40	14.20	100.40
J4543	MAC96-04	Lamprophyre	77.28	78.32	1.04	0.46	19.50	5.50	30.70	0.79	1.89	9.85	3.20	0.09	0.25	15.00	12.70	100.20
J4544	MAC96-04	Peridotite	86.00	89.00	3.00	0.06	35.60	1.82	35.70	<0.01	<0.01	0.54	0.11	0.70	0.11	13.30	12.30	100.30
J4545	MAC96-04	Peridotite	93.00	96.00	3.00	0.07	30.30	1.71	33.30	<0.01	0.02	5.57	0.09	0.52	0.20	11.30	17.40	100.50
J4546	MAC96-04	Peridotite	103.00	106.00	3.00	0.07	34.60	1.92	36.10	<0.01	<0.01	0.55	0.08	0.65	0.13	13.70	12.50	100.30
J4547	MAC96-04	Serpentinite	119.00	122.00	3.00	0.06	32.60	1.81	32.40	<0.01	<0.01	3.09	0.07	0.59	0.20	14.70	14.90	100.40
J4548	MAC96-04	Serpentinite	137.00	140.00	3.00	0.07	34.60	1.88	35.30	<0.01	<0.01	1.19	0.08	0.61	0.13	13.20	13.20	100.30
J4549	MAC96-04	Peridotite	143.00	146.00	3.00	0.07	35.60	1.73	35.00	<0.01	<0.01	0.72	0.09	0.63	0.15	13.60	12.60	100.20
J4550	MAC96-04	Peridotite	164.00	167.00	3.00	0.09	36.90	1.87	35.60	<0.01	<0.01	0.91	0.08	0.67	0.16	14.00	9.95	100.20
J4551	MAC96-04	Peridotite	182.00	185.00	3.00	0.06	36.00	2.13	35.60	<0.01	<0.01	0.97	0.10	0.64	0.17	13.60	10.90	100.20
J4552	MAC96-04	Peridotite	200.00	203.00	3.00	0.08	36.90	2.37	37.00	<0.01	<0.01	1.21	0.13	0.62	0.18	13.70	8.50	100.70

### TRACE ELEMENTS

SAMPLE	LOCATION	ROCK TYPE	From	To	Lgth	RB	SR	Y	ZR	NB	BA	AU	AU	CHK	CU	NI
J4540	MAC96-04	Peridotite	32.00	35.00	3.00	<2	21	3	12	<2	86	6		4	3	1025
J4541	MAC96-04	Peridotite	50.00	53.00	3.00	<2	36	<2	15	<2	87	4			4	1037
J4542	MAC96-04	Peridotite	68.00	71.00	3.00	<2	72	<2	15	<2	86	4			7	980
J4543	MAC96-04	Lamprophyre	77.28	78.32	1.04	70	809	27	258	94	1120	4			84	401
J4544	MAC96-04	Peridotite	86.00	89.00	3.00	<2	31	5	14	6	78	4			5	1049
J4545	MAC96-04	Peridotite	93.00	96.00	3.00	<2	242	5	13	<2	93	6			27	1014
J4546	MAC96-04	Peridotite	103.00	106.00	3.00	<2	27	2	17	<2	88	6			5	1096
J4547	MAC96-04	Serpentinite	119.00	122.00	3.00	<2	106	4	14	<2	79	4			17	1037
J4548	MAC96-04	Serpentinite	137.00	140.00	3.00	<2	39	<2	16	<2	80	4			6	1010
J4549	MAC96-04	Peridotite	143.00	146.00	3.00	<2	23	<2	17	<2	80	12			7	1160
J4550	MAC96-04	Peridotite	164.00	167.00	3.00	<2	19	<2	14	<2	59	26			8	1227
J4551	MAC96-04	Peridotite	182.00	185.00	3.00	<2	30	<2	18	<2	84	12			4	1114
J4552	MAC96-04	Peridotite	200.00	203.00	3.00	<2	29	2	22	<2	69	6			6	1206

Whole Rock Data  
MAC96-04

Cation %  
Jensen 1976



## TECK EXPLORATION LTD. DIAMOND DRILL LOG

Job <u>98424</u> <u>N.T.S.</u> <u>42 B/09</u> Property <u>Montcalm Adjacent Claims</u> Township <u>Nova Grid H-West</u> Location: Line <u>4+00E</u> Station <u>0+50S</u> Elevation <u>300 m</u> UTM Easting <u>404388</u> Northing <u>5380835</u>	Objective <u>Testing TEM anomaly</u> Claim No. <u>1200551</u> Drilling Co. <u>Bradley Bros.</u> Commenced <u>February 06, 1996</u> Completed <u>February 08, 1996</u> Date Logged <u>February 10, 1996</u> Length <u>200.00 m</u>	Core Location <u>North Bay</u> Distance to Water <u>200 m</u> Casing <u>Left in hole</u> Core Size <u>NQ</u>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: left;">Tests</td> <td style="text-align: center;">Dip</td> <td style="text-align: center;">Azimuth</td> </tr> <tr> <td>At Collar</td> <td style="text-align: center;"><u>-50°</u></td> <td style="text-align: center;"><u>180°</u></td> </tr> <tr> <td style="text-align: center;"><u>50 m</u></td> <td style="text-align: center;"><u>-49°</u></td> <td style="text-align: center;"><u>180°</u></td> </tr> <tr> <td style="text-align: center;"><u>101 m</u></td> <td style="text-align: center;"><u>-49°</u></td> <td style="text-align: center;"><u>180°</u></td> </tr> <tr> <td style="text-align: center;"><u>150 m</u></td> <td style="text-align: center;"><u>-48°</u></td> <td style="text-align: center;"><u>180°</u></td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	Tests	Dip	Azimuth	At Collar	<u>-50°</u>	<u>180°</u>	<u>50 m</u>	<u>-49°</u>	<u>180°</u>	<u>101 m</u>	<u>-49°</u>	<u>180°</u>	<u>150 m</u>	<u>-48°</u>	<u>180°</u>						
Tests	Dip	Azimuth																						
At Collar	<u>-50°</u>	<u>180°</u>																						
<u>50 m</u>	<u>-49°</u>	<u>180°</u>																						
<u>101 m</u>	<u>-49°</u>	<u>180°</u>																						
<u>150 m</u>	<u>-48°</u>	<u>180°</u>																						
Remarks <u>Conductive Zone at 161.00-178.00 metres. 5-7% pyrite, pyrrhotite, chalcopyrite in mafic flow.</u>																								

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
			<u>Summary Log</u>						
			Assays - 17                  Whole Rock - 10						
	0.00	19.00	OB						
	19.00	59.40	4c						
	59.40	59.67	7a						
	59.67	129.43	4c						
	129.43	129.80	6b						
	129.80	134.80	4a						
	134.80	200.00	1a						
		200.00	EOH						

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
0.00	19.00	CASING							
19.00	59.40	GABBRO/DIORITE (HIGH MG THOLEIITE)	Green, medium-grained leucocratic. Plagioclase 10%, mafics 70%, magnetite 5%, minor quartz. Regular gabbro showing ophic texture. Variable grain size (up to 3 mm laths). Unmineralized. Numerous quartz-carbonate filled fractures (mm-scale) showing shallow core angles. Weakly foliated at 40° to core axis. 38.55-47.00 - Finer grained section, intermediate composition, weakly to non-magnetic (calc-alkaline mafic).	J4553* J4554*	26.00 41.00	29.00 44.00	3.00 3.00	196 55	71 7
59.40	59.67	DIABASE	Dark brown, fine-grained, weakly magnetic. Very fine-grained mafic dyke, chilled contacts.						
59.67	129.43	GABBRO/DIORITE (HIGH FE THOLEIITE)	Same as 19.00-59.40. Patches of silicification-epidote-saussurite alteration adjacent to quartz-carbonate veinlets. Uniform, weakly to locally more magnetic. 108.47-109.47 - Altered section to sericite carbonate-silica-epidote. Plagioclase showing ophitic texture. Alteration is symmetric adjacent to carbonate-quartz veins at 108.65 and 109.26 m. 113.43-124.60 - Grain size increases (2-5 mm) plagioclase and pyroxene showing ophitic to diabasic texture. Lower contact sharp at 85° to core axis.	J4555* J4556* J4557* J4558*	65.00 86.00 110.00 125.00	68.00 89.00 113.00 128.00	3.00 3.00 3.00 3.00	53 58 53 46	5 6 134 124
129.43	129.80	QUARTZ-FELDSPAR PORPHYRY DYKE	Grey to green, fine-grained with plagioclase phenocrysts 2 mm in size throughout (10%). Upper and lower contacts sharp at 85° to core axis.						
129.80	134.80	PYROXENITE/PERIDOTITE (ULTRAMAFIC)	Dark bluish green to black, medium-grained magnetic. Typical - dark ferro gabbro. Serpentine evident but not pervasive, talc common if rock is powdered. Reactive to hydro chloric acid. Lower contact foliated and transitional at 65° to core axis.	J4559* J4560* J4561* J4562*	131.00 151.00 171.00 197.00	134.00 152.00 174.00 200.00	3.00 1.00 3.00 3.00	476 99 44 43	37 146 71 58
134.80	200.00	MAFIC VOLCANIC (CALC ALKALINE MAFIC)	Green to brownish green. Fine-grained non-magnetic. Well laminated or banded at 60° to core axis. Locally laminations resemble primary bedding (ie. sediments). Carbonate ovoids possibly relic amygdules locally prominent. Fabric is flattening foliation S <sub>1</sub> and not S <sub>0</sub> . Locally veined with intermittent quartz ± carbonate veinlets at 60° to core axis. Altered brown (biotite) and chloritic near intrusive upper contact. Weak pyrite, pyrrhotite ± chalcopyrite mineralization	J4738 J4739 J4740 J4741 J4742 J4743 J4744	161.00 162.00 163.00 164.00 165.00 166.00 167.00	162.00 163.00 164.00 165.00 166.00 167.00 168.00	1.00 1.00 1.00 1.00 1.00 1.00 1.00	59 58 53 60 41 55 49	90 50 140 131 66 54 128

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
			associated with quartz-carbonate veinlets.	J4745	168.00	169.00	1.00	80	127
			135.42 - 2% pyrite blebs.	J4746	169.00	170.00	1.00	55	95
			134.80-152.00 - Altered phase of mafic volcanic package, carbonate, biotite - (potassic phase).	J4747	170.00	171.00	1.00	54	146
				J4748	171.00	172.00	1.00	42	165
			161.00-178.00 - 2-7% pyrrhotite blebs and stringers associated with quartz-carbonate veins.	J4749	172.00	173.00	1.00	41	121
				J4750	173.00	174.00	1.00	40	171
			170.65 - Up to 7% pyrrhotite-chalcopyrite stringers.	J4751	174.00	175.00	1.00	47	164
				J4752	175.00	176.00	1.00	58	170
				J4753	176.00	177.00	1.00	19	12
				J4754	177.00	178.00	1.00	49	118
	200.00	END OF HOLE							
			* Denotes Whole Rock Samples						

*M.Y. Houle*



**WHOLE ROCK ANALYSIS**

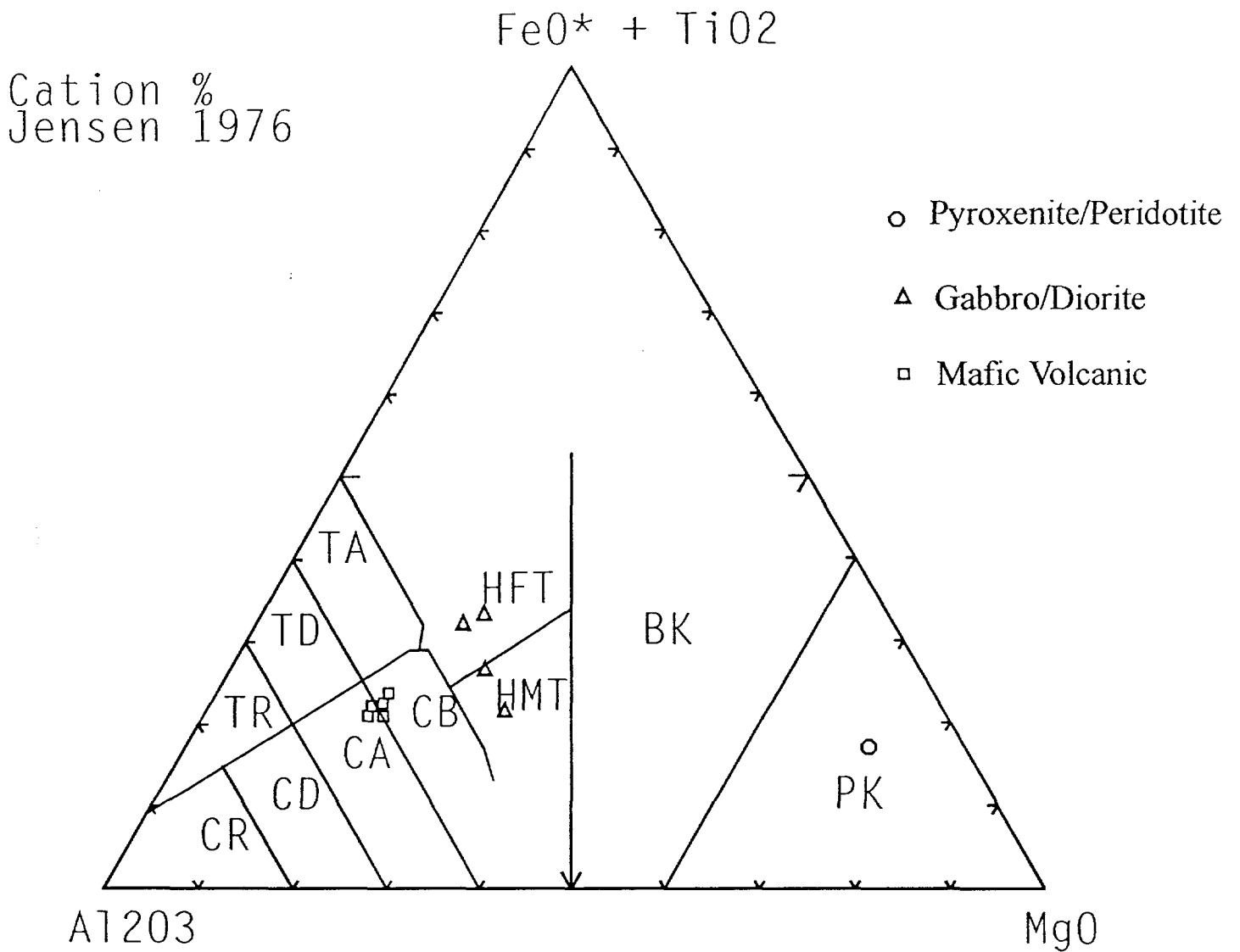
**MAJOR ELEMENTS**

SAMPLE	LOCATION	ROCK TYPE	From	To	Lgth	NA2O	MGO	AL2O3	SI02	P2O5	K2O	CAO	TIO2	CR2O3	MNO	FE2O3	LOI	SUM
J4553	MAC96-05	Gabbro	26.00	29.00	3.00	2.05	8.36	15.40	47.40	0.08	0.60	9.47	0.42	0.03	0.17	10.90	2.60	97.60
J4554	MAC96-05	Gabbro	41.00	44.00	3.00	4.44	3.79	15.50	55.00	0.14	0.18	6.44	0.90	0.01	0.11	9.15	1.60	97.30
J4555	MAC96-05	Gabbro	65.00	68.00	3.00	4.44	3.67	16.50	55.40	0.12	0.07	6.27	0.80	<0.01	0.13	8.27	2.75	98.50
J4556	MAC96-05	Gabbro	86.00	89.00	3.00	3.68	3.35	14.90	56.20	0.13	0.28	6.56	0.78	<0.01	0.12	7.90	4.30	98.20
J4557	MAC96-05	Gabbro	110.00	113.00	3.00	2.84	5.29	13.80	47.30	0.10	1.27	8.22	1.14	<0.01	0.19	14.20	5.05	99.50
J4558	MAC96-05	Gabbro	125.00	128.00	3.00	2.69	5.81	13.20	47.60	0.11	1.32	9.19	1.12	<0.01	0.21	15.10	3.75	100.20
J4559	MAC96-05	Pyroxenite	131.00	134.00	3.00	0.17	26.20	4.58	41.10	<0.01	<0.01	5.24	0.18	0.29	0.17	12.00	10.40	100.30
J4560	MAC96-05	Pyroxenite	151.00	152.00	1.00	4.01	5.60	12.70	39.40	0.51	1.71	13.20	0.80	0.02	0.18	10.30	10.50	99.10
J4561	MAC96-05	Pyroxenite	171.00	174.00	3.00	4.05	3.51	14.20	61.40	0.15	0.51	4.30	0.62	0.01	0.13	7.14	1.85	98.00
J4562	MAC96-05	Pyroxenite	197.00	200.00	3.00	3.45	3.65	15.50	55.00	0.21	1.13	7.33	0.87	0.01	0.12	8.30	2.55	98.30

**TRACE ELEMENTS**

SAMPLE	LOCATION	ROCK TYPE	From	To	Lgth	RB	SR	Y	ZR	NB	BA	AU	AU	CHK	CU	NI
J4553	MAC96-05	Gabbro	26.00	29.00	3.00	<2	202	13	69	5	348	4			71	196
J4554	MAC96-05	Gabbro	41.00	44.00	3.00	<2	271	12	104	4	97	9			7	55
J4555	MAC96-05	Gabbro	65.00	68.00	3.00	<2	238	18	92	3	74	268			5	53
J4556	MAC96-05	Gabbro	86.00	89.00	3.00	<2	169	13	92	4	105	13			6	58
J4557	MAC96-05	Gabbro	110.00	113.00	3.00	29	222	24	82	5	316	74			134	53
J4558	MAC96-05	Gabbro	125.00	128.00	3.00	29	191	19	87	4	342	9			124	46
J4559	MAC96-05	Pyroxenite	131.00	134.00	3.00	<2	67	5	22	<2	62	19			37	476
J4560	MAC96-05	Pyroxenite	151.00	152.00	1.00	34	516	25	90	6	620	2		2	146	99
J4561	MAC96-05	Pyroxenite	171.00	174.00	3.00	8	332	14	106	3	334	83			71	44
J4562	MAC96-05	Pyroxenite	197.00	200.00	3.00	20	465	17	123	6	460	4			58	43

# Whole Rock Data MAC96-05



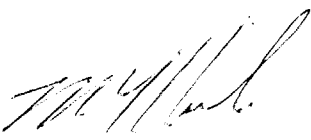
## TECK EXPLORATION LTD. DIAMOND DRILL LOG

Job <u>98424</u> <u>N.T.S.</u> <u>42 B/09</u> Property <u>Montcalm Adjacent Claims</u> Township <u>Nova Grid H-West</u> Location: Line <u>S+00E</u> Station <u>2+50N</u> Elevation <u>300 m</u> UTM Easting <u>404491</u> Northing <u>5381133</u>	Objective <u>Testing TEM &amp; MAX MIN anomaly</u> Claim No. <u>1200551</u> Drilling Co. <u>Bradley Bros.</u> Commenced <u>February 8, 1996</u> Completed <u>February 11, 1996</u> Date Logged <u>February 12, 1996</u> Length <u>248.00 m</u>	Core Location <u>North Bay</u> Distance to Water <u>200 m</u> Casing <u>Left in hole</u> Core Size <u>NQ</u>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Tests</td> <td style="text-align: center;">Dip</td> <td style="text-align: center;">Azimuth</td> </tr> <tr> <td style="text-align: center;">At Collar</td> <td style="text-align: center;"><u>-50°</u></td> <td style="text-align: center;"><u>360°</u></td> </tr> <tr> <td style="text-align: center;"><u>50 m</u></td> <td style="text-align: center;"><u>-50°</u></td> <td style="text-align: center;"><u>360°</u></td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	Tests	Dip	Azimuth	At Collar	<u>-50°</u>	<u>360°</u>	<u>50 m</u>	<u>-50°</u>	<u>360°</u>									
Tests	Dip	Azimuth																			
At Collar	<u>-50°</u>	<u>360°</u>																			
<u>50 m</u>	<u>-50°</u>	<u>360°</u>																			
Remarks <u>Conductive zone from 116.00-137.50. Up to 10% magnetite ± pyrrhotite stringers.</u>																					

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
			<u>Summary Log</u>						
			Assays - 22                      Whole Rock - 10						
0.00	28.00	OB	CASING						
28.00	137.50	4a	PERIDOTITE						
137.50	138.42	5c	LAMPROPHYRE						
138.42	146.34	4a	PERIDOTITE						
146.34	146.50	5c	LAMPROPHYRE						
146.50	248.00	4a	PERIDOTITE						
	248.00	EOH	END OF HOLE						

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
0.00	28.00	CASING							
28.00	137.50	PERIDOTITE (ULTRAMAFIC)	Bluish green to black, coarse-grained, strongly magnetic. Typical ultramafic intrusive altered to serpentine-talc-magnetite (olivine)-chlorite and carbonate. Grains of magnetite, altered olivines up to 5 mm in size, talcose-carbonate. Numerous talc-serpentine-carbonate veinlets 5% variably oriented. Chlorite-magnetite stringer common showing strongly conductive habit (up to 2% locally). 57.50 - 3 mm wide magnetite-pyrrhotite stringer (late) oriented at 20° to core axis. 116.00-137.50 - Up to 10% magnetite-pyrrhotite stringers variably oriented in late cross cutting fractures.	J4563* J4564* J4565* J4566* J4567*  J4755 J4756 J4757 J4758 J4759 J4760 J4761 J4762 J4763 J4764 J4765 J4766 J4767 J4768 J4769 J4770 J4771 J4772 J4773 J4774 J4775 J4776	38.00 56.00 74.00 104.00 122.00  116.00 117.00 118.00 119.00 120.00 121.00 122.00 123.00 124.00 125.00 126.00 127.00 128.00 129.00 130.00 131.00 132.00 133.00 134.00 135.00 136.00 137.00	41.00 59.00 77.00 107.00 125.00  117.00 118.00 119.00 120.00 121.00 122.00 123.00 124.00 125.00 126.00 127.00 128.00 129.00 130.00 131.00 132.00 133.00 134.00 135.00 136.00 137.00 137.50	3.00 3.00 3.00 3.00 3.00  1.00 0.50	1262 1280 1200 1353 1357  1200 1312 1250 1217 1180 1160 1360 1229 1227 1195 1093 1264 1320 1258 1291 1270 1256 1141 1268 1153 1222 1100	16 6 18 8 5  13 9 18 10 18 16 10 17 6 13 14 34 5 35 7 21 27 33 7 21 15 10
137.50	138.42	LAMPROPHYRE (ALKALIC)	Brownish green, medium-grained. Amphibole-biotite and opaque minerals. Chilled to sharp upper and lower contacts at 50° to core axis.						
138.42	146.34	PERIDOTITE (ULTRAMAFIC)	Same as 28.00-137.50. Up to 3% magnetite ± pyrrhotite stringers (late) conductive, variably oriented.						

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm	
From	To									
146.34	146.50	LAMPROPHYRE (ALKALIC)	Same as 137.50-138.42.							
146.50	248.00	PERIDOTITE (ULTRAMAFIC)	<p>Same as 28.00-137.50.</p> <p>Up to 5-7% conductive magnetite ± pyrrhotite veinlets variably oriented in late serpentine-carbonate veins. Magnetite ± pyrrhotite stringers dissipate, decorite less frequent down to 153.00.</p> <p>210.00-248.00 - Magnetite-conductive stringers 1-2% at metre-scale intervals.</p> <p>192.00-192.30 - Fault gouge, ground core.</p> <p>224.95 - 1 cm wide magnetite stringer at 50° to core axis. Strongly conductive.</p>	<p>J4568*</p> <p>J4569*</p> <p>J4570*</p> <p>J4571*</p> <p>J4572*</p>	<p>149.00</p> <p>179.00</p> <p>200.00</p> <p>227.00</p> <p>245.00</p>	<p>152.00</p> <p>182.00</p> <p>203.00</p> <p>230.00</p> <p>248.00</p>	<p>3.00</p> <p>3.00</p> <p>3.00</p> <p>3.00</p> <p>3.00</p>	<p>1272</p> <p>1225</p> <p>868</p> <p>1290</p> <p>1210</p>	<p>5</p> <p>31</p> <p>28</p> <p>7</p> <p>30</p>	
	248.00	END OF HOLE								
			* Denotes Whole Rock Samples							



## WHOLE ROCK ANALYSIS

### MAJOR ELEMENTS

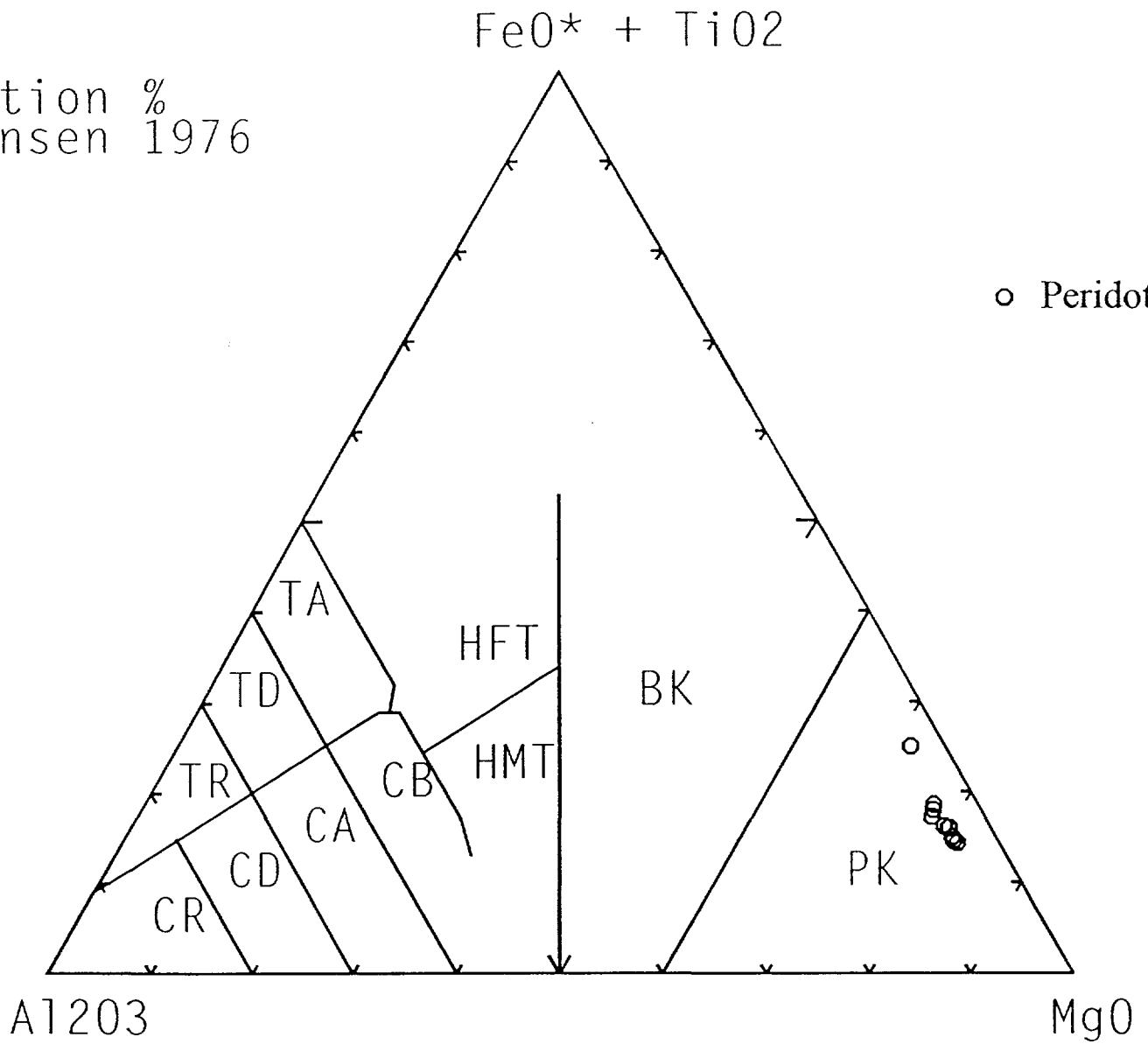
SAMPLE	LOCATION	ROCK TYPE	From	To	Lgth	NA2O	MGO	AL2O3	SI02	P2O5	K2O	CAO	TIO2	CR2O3	MNO	FE2O3	LOI	SUM
J4563	MAC96-06	Peridotite	38.00	41.00	3.00	0.10	34.20	2.93	36.50	<0.01	<0.01	0.47	0.14	0.57	0.18	14.90	10.70	100.70
J4564	MAC96-06	Peridotite	56.00	59.00	3.00	0.08	34.40	2.46	36.60	<0.01	<0.01	1.31	0.13	0.58	0.19	13.80	10.80	100.40
J4565	MAC96-06	Peridotite	74.00	77.00	3.00	0.07	33.50	2.41	35.60	<0.01	<0.01	1.16	0.12	0.53	0.18	15.90	10.70	100.20
J4566	MAC96-06	Peridotite	104.00	107.00	3.00	0.06	35.60	2.46	37.20	<0.01	<0.01	0.49	0.13	0.63	0.19	12.50	11.10	100.40
J4567	MAC96-06	Peridotite	122.00	125.00	3.00	0.07	35.00	2.37	36.50	<0.01	<0.01	1.36	0.11	0.60	0.18	12.80	11.00	100.00
J4568	MAC96-06	Peridotite	149.00	152.00	3.00	0.07	34.80	2.30	36.20	<0.01	<0.01	1.17	0.12	0.60	0.18	13.70	10.90	100.10
J4569	MAC96-06	Peridotite	179.00	182.00	3.00	0.07	35.30	2.29	35.90	<0.01	<0.01	0.64	0.11	0.60	0.18	13.90	11.30	100.30
J4570	MAC96-06	Peridotite	200.00	203.00	3.00	0.05	30.80	1.84	33.80	<0.01	<0.01	1.96	0.10	0.47	0.19	21.30	9.70	100.20
J4571	MAC96-06	Peridotite	227.00	230.00	3.00	0.06	35.90	2.29	36.30	<0.01	<0.01	0.59	0.12	0.68	0.20	12.40	11.60	100.20
J4572	MAC96-06	Peridotite	245.00	248.00	3.00	0.06	33.90	2.63	35.40	0.08	<0.01	0.78	0.14	0.59	0.19	15.50	11.00	100.30

### TRACE ELEMENTS

SAMPLE	LOCATION	ROCK TYPE	From	To	Lgth	RB	SR	Y	ZR	NB	BA	AU	AU CHK	CU	NI
J4563	MAC96-06	Peridotite	38.00	41.00	3.00	<2	20	<2	16	<2	83	12		16	1262
J4564	MAC96-06	Peridotite	56.00	59.00	3.00	<2	27	<2	14	<2	80	10		6	1280
J4565	MAC96-06	Peridotite	74.00	77.00	3.00	<2	24	<2	17	<2	79	6		18	1200
J4566	MAC96-06	Peridotite	104.00	107.00	3.00	<2	21	<2	15	24	60	6		8	1353
J4567	MAC96-06	Peridotite	122.00	125.00	3.00	<2	26	4	16	2	73	10		5	1357
J4568	MAC96-06	Peridotite	149.00	152.00	3.00	<2	23	2	14	<2	65	12		5	1272
J4569	MAC96-06	Peridotite	179.00	182.00	3.00	<2	20	2	14	<2	85	10		31	1225
J4570	MAC96-06	Peridotite	200.00	203.00	3.00	<2	14	<2	14	<2	63	10		28	868
J4571	MAC96-06	Peridotite	227.00	230.00	3.00	<2	20	3	16	<2	67	4		7	1290
J4572	MAC96-06	Peridotite	245.00	248.00	3.00	<2	27	4	22	<2	83	4		30	1210

Whole rock Data  
MAC96-06

Cation %  
Jensen 1976



## TECK EXPLORATION LTD. DIAMOND DRILL LOG

Job <u>98424</u> N.T.S. <u>42 B/09</u> Property <u>Montcalm Adjacent Claims</u> Township <u>Nova Grid H-West</u> Location: Line <u>15+00E</u> Station <u>5+75S</u> Elevation <u>300 m</u> UTM Easting <u>405465</u> Northing <u>5380291</u>	Objective <u>Testing MAX-MIN &amp; TEM anomaly</u> Claim No. <u>1200550</u> Drilling Co. <u>Bradley Bros.</u> Commenced <u>February 12, 1996</u> Completed <u>February 14, 1996</u> Date Logged <u>February 15, 1996</u> Length <u>221.00 m</u>	Core Location <u>North Bay</u> Distance to Water <u>400 m</u> Casing <u>Pulled</u> Core Size <u>NQ</u>	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Tests</th> <th style="text-align: center;">Dip</th> <th style="text-align: center;">Azimuth</th> </tr> </thead> <tbody> <tr> <td>At Collar</td> <td style="text-align: center;">-50°</td> <td style="text-align: center;">180°</td> </tr> <tr> <td>50 m</td> <td style="text-align: center;">-49°</td> <td style="text-align: center;">180°</td> </tr> <tr> <td>100 m</td> <td style="text-align: center;">-49°</td> <td style="text-align: center;">180°</td> </tr> <tr> <td>150 m</td> <td style="text-align: center;">-48°</td> <td style="text-align: center;">180°</td> </tr> <tr> <td>200 m</td> <td style="text-align: center;">-48°</td> <td style="text-align: center;">180°</td> </tr> </tbody> </table>	Tests	Dip	Azimuth	At Collar	-50°	180°	50 m	-49°	180°	100 m	-49°	180°	150 m	-48°	180°	200 m	-48°	180°
Tests	Dip	Azimuth																			
At Collar	-50°	180°																			
50 m	-49°	180°																			
100 m	-49°	180°																			
150 m	-48°	180°																			
200 m	-48°	180°																			
Remarks <u>Conductive graphitic shear at 58.05-58.65 and sulphide (pyrite, chalcopyrite, pyrrhotite) stringer from 218.60-219.60 metres.</u>																					

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
			<u>Summary Log</u>						
			Assays - 1                  Whole Rock - 9						
0.00	31.00	OB	CASING						
31.00	155.26	4a	PERIDOTITE						
155.26	159.77	6b	QUARTZ-FELDSPAR PORPHYRY						
159.77	203.90	4a	PERIDOTITE						
203.90	221.00	1a	MAFIC VOLCANIC						
	221.00	EOH	END OF HOLE						



Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm	
From	To									
0.00	31.00	CASING								
31.00	41.70	PERIDOTITE TO FERRO-GABBRO (ULTRAMAFIC)	Dark bluish green to black. Medium-grained, magnetic. Typical ferro-gabbro phase, ultramafic in composition. Cross cut by numerous mm-scale carbonate-serpentine ± quartz variably oriented. Lower contact gradational.	J4573*	35.00	38.00	3.00	1142	7	
41.70	59.20	FAULT/ALTERATION ZONE (ULTRAMAFIC)	Dark green to black, locally weathered orange green to pale green altered peridotite. Fe-carbonate throughout. Zone contains section of gouge - broken core and pseudotachyllite. Lower contact gradational. Fault gouge sections at 47.40, 48.60, 52.40, 59.00 58.05-58.65 - Graphitic schist, hydrated, soft, greasy conductive.	J4574*	47.00	50.00	3.00	543	6	
59.20	155.26	PERIDOTITE TO FERRO-GABBRO (ULTRAMAFIC)	Same as 31.00-41.70.	J4575*	74.00	77.00	3.00	1100	8	
			Minor magnetite veinlets or stringers prevalent locally.	J4576*	92.00	95.00	3.00	1230	8	
			116.50 - Vuggy open space filled carbonate crystals at 35° to core axis.	J4577*	122.00	125.00	3.00	1037	4	
			138.30-138.38 - Fault gouge, chloritic, talcose at 70° to core axis.	J4578*	143.00	146.00	3.00	352	53	
			139.00-139.60 - Biotite-amphibole altered section foliated at 65° to core axis.							
			139.60-139.70 - Fault gouge, chloritic at 75° to core axis. Soft.							
			140.00-155.26 - More leucocratic ultramafic intrusive - soft chloritic pyroxenite ± plagioclase talcose.							
155.26	159.77	QUARTZ-FELDSPAR PORPHYRY (CALC-ALKALINE FELSIC)	Felsic intrusive, trondhjemite composition with equant 5 mm sized plagioclase phenocrysts up to 15-20%. Quartz phenocrysts less obvious but locally prominent. Sparsely mineralized with trace to 1% pyrite. Upper and lower contacts sharp at 70° to core axis. 157.00 - Minor stringers of pyrite.	J4579*	155.26	159.77	4.51	25	17	
159.77	203.90	PYROXENITE TO PERIDOTITE (ULTRAMAFIC)	Light green, medium-grained. Magnetic - talcose on foliation surfaces. Littered with white altered olivine crystals (talc-carbonate) - 20%. Lower contact sharp at 70° to core axis. 160.60-160.80 - Fault gouge in cm-scale, seams at 75° to core axis. 165.90 - 1 cm wide fault gouge. 171.00-171.70 - Carbonate ± quartz vein zone sheared at 40° to core axis. 178.33-178.55 - Diabase dykelet. 196.50-203.90 - Contact zone interdigitating mafic volcanic and gabbro.	J4580*	179.00	182.00	3.00	299	67	

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
203.90	221.00	MAFIC-INTERMEDIATE VOLCANIC (CALC-ALKALINE MAFIC)	202.00-204.00 - Quartz equant grains up to 0.7 cm common having blue tint.						
			Light green, fine-grained aphanitic. Non-magnetic. Pillow selvages locally common. Biotitic locally. Mineralized with <2% pyrite, chalcopyrite and pyrrhotite as irregular wisps.	J4581*	215.00	218.00	3.00	50	8
			212.00-213.20 - Feldspar porphyry dyke. Same as 159.77-203.90. 218.60-219.60 - Quartz-carbonate stringer parallel to core axis with 1-7% pyrite-chalcopyrite and pyrrhotite. 219.90-221.00 - Carbonate-silica alteration/vein zone barren.	J4777	218.60	219.60	1.00	107	1614
	221.00	END OF HOLE							
			* Denotes Whole Rock Samples						



## WHOLE ROCK ANALYSIS

### MAJOR ELEMENTS

SAMPLE	LOCATION	ROCK TYPE	From	To	Lgth	NA2O	MGO	AL2O3	SI02	P2O5	K2O	CAO	TIO2	CR2O3	MNO	FE2O3	LOI	SUM
J4573	MAC96-07	Peridotite	35.00	38.00	3.00	0.08	35.30	2.16	36.50	<0.01	<0.01	1.24	0.11	0.62	0.19	14.90	9.00	100.10
J4574	MAC96-07	Fault/Alt Zone	47.00	50.00	3.00	0.11	27.90	2.03	34.10	<0.01	0.04	3.22	0.12	0.55	0.18	12.90	19.30	100.50
J4575	MAC96-07	Peridotite	74.00	77.00	3.00	0.09	34.70	2.39	36.30	<0.01	<0.01	1.32	0.13	0.61	0.21	13.70	10.10	99.60
J4576	MAC96-07	Peridotite	92.00	95.00	3.00	0.12	35.20	2.70	37.00	<0.01	0.03	1.58	0.12	0.63	0.17	13.80	8.40	99.80
J4577	MAC96-07	Peridotite	122.00	125.00	3.00	0.07	33.80	2.87	36.30	<0.01	<0.01	2.14	0.15	0.57	0.16	13.10	11.20	100.40
J4578	MAC96-07	Peridotite	143.00	146.00	3.00	0.07	25.20	4.79	33.50	0.02	<0.01	6.18	0.25	0.38	0.27	13.00	16.80	100.50
J4579	MAC96-07	QFP	155.26	159.77	4.51	7.05	1.00	14.00	69.60	0.07	0.25	1.93	0.21	<0.01		1.68	1.25	97.20
J4580	MAC96-07	Pyroxenite	179.00	182.00	3.00	0.24	22.30	7.05	40.20	0.02	<0.01	5.78	0.35	0.30	0.20	13.30	9.60	99.40
J4581	MAC96-07	Mafic-int vol.	215.00	218.00	3.00	3.92	5.65	15.30	50.10	0.19	0.55	7.72	0.95	0.02	0.12	10.10	2.65	97.30

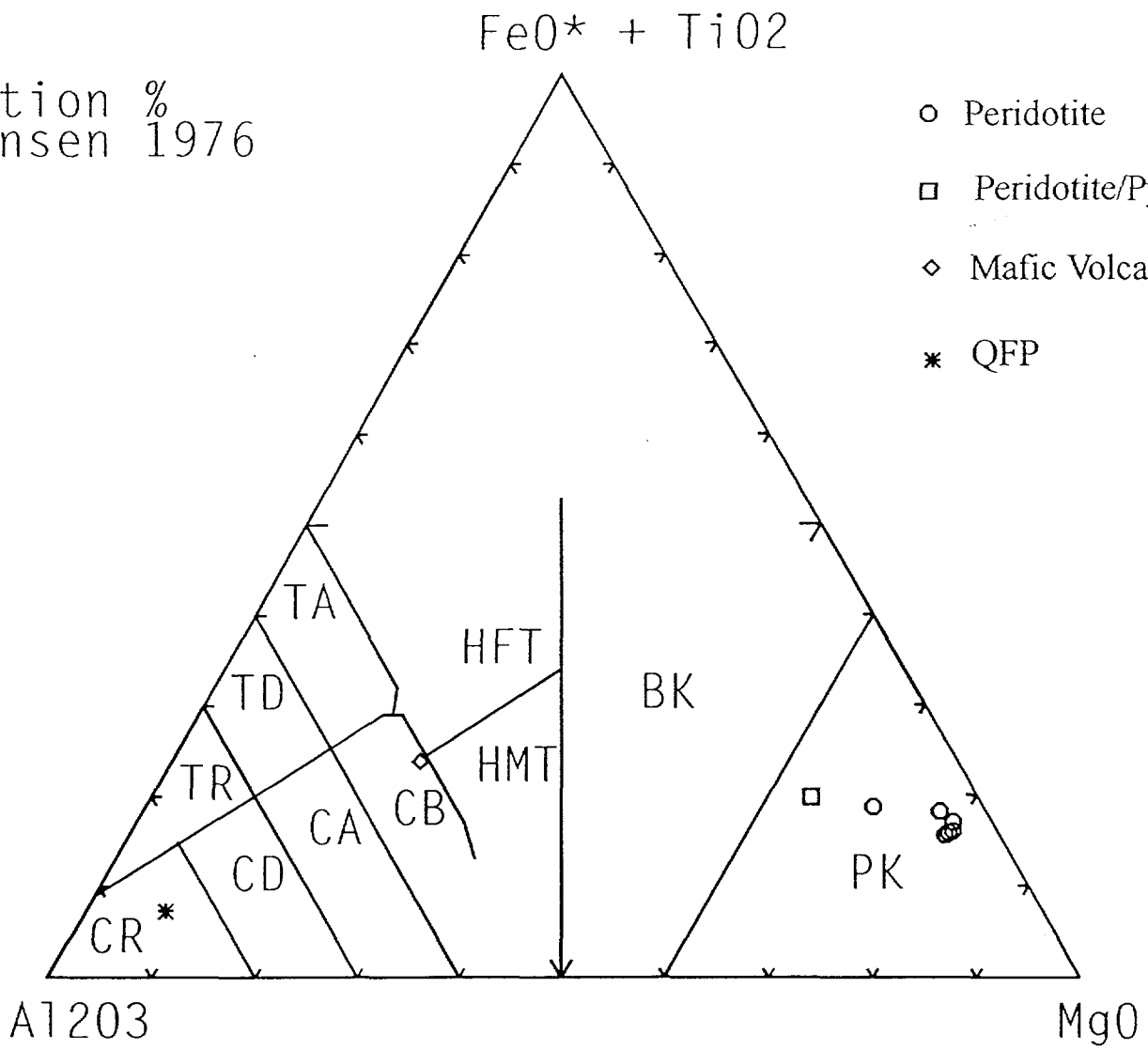
### TRACE ELEMENTS

SAMPLE	LOCATION	ROCK TYPE	From	To	Lgth	RB	SR	Y	ZR	NB	BA	AU	AU	CHK	CU	NI
J4573	MAC96-07	Peridotite	35.00	38.00	3.00	<2	20	<2	15	<2	74	10			7	1142
J4574	MAC96-07	Fault/Alt Zone	47.00	50.00	3.00	<2	93	4	17	<2	117	7			6	543
J4575	MAC96-07	Peridotite	74.00	77.00	3.00	<2	20	<2	17	<2	84	8			8	1100
J4576	MAC96-07	Peridotite	92.00	95.00	3.00	<2	24	3	16	<2	51	4			8	1230
J4577	MAC96-07	Peridotite	122.00	125.00	3.00	<2	21	<2	17	<2	77	130			4	1037
J4578	MAC96-07	Peridotite	143.00	146.00	3.00	<2	278	5	23	4	135	12			53	352
J4579	MAC96-07	QFP	155.26	159.77	4.51	7	644	13	106	2	275	4			17	25
J4580	MAC96-07	Pyroxenite	179.00	182.00	3.00	<2	87	5	27	<2	58	429	465		67	299
J4581	MAC96-07	Mafic-int vol.	215.00	218.00	3.00	10	382	20	91	4	169	6			8	50

# Whole Rock Data MAC96-07

Cation %  
Jensen 1976

- Peridotite
- Peridotite/Pyroxenite
- ◇ Mafic Volcanic
- \* QFP



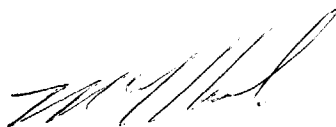
## TECK EXPLORATION LTD. DIAMOND DRILL LOG

Job <u>98424</u> <u>N.T.S.</u> <u>42 B/09</u> Property <u>Montcalm Adjacent Claims</u> Township <u>Strachan (Grid H-East)</u> Location: Line <u>38+00E</u> Station <u>7+25S</u> Elevation <u>300 m</u> UTM Easting <u>408056</u> Northing <u>5380084</u>	Objective <u>Testing HPTEM anomaly</u> Claim No. <u>1200546</u> Drilling Co. <u>Bradley Bros.</u> Commenced <u>February 15, 1996</u> Completed <u>February 16, 1996</u> Date Logged <u>February 17, 1996</u> Length <u>218.00 m</u>	Core Location <u>North Bay</u> Distance to Water <u>500 m</u> Casing <u>Pulled</u> Core Size <u>NQ</u>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: left;">Tests</td> <td style="text-align: center;">Dip</td> <td style="text-align: center;">Azimuth</td> </tr> <tr> <td>At Collar</td> <td style="text-align: center;"><u>-50°</u></td> <td style="text-align: center;"><u>335°</u></td> </tr> <tr> <td style="text-align: center;"><u>50 m</u></td> <td style="text-align: center;"><u>-49°</u></td> <td style="text-align: center;"><u>335°</u></td> </tr> <tr> <td style="text-align: center;"><u>101 m</u></td> <td style="text-align: center;"><u>-49°</u></td> <td style="text-align: center;"><u>335°</u></td> </tr> <tr> <td style="text-align: center;"><u>150 m</u></td> <td style="text-align: center;"><u>-47°</u></td> <td style="text-align: center;"><u>335°</u></td> </tr> <tr> <td style="text-align: center;"><u>200 m</u></td> <td style="text-align: center;"><u>-46°</u></td> <td style="text-align: center;"><u>335°</u></td> </tr> </table>	Tests	Dip	Azimuth	At Collar	<u>-50°</u>	<u>335°</u>	<u>50 m</u>	<u>-49°</u>	<u>335°</u>	<u>101 m</u>	<u>-49°</u>	<u>335°</u>	<u>150 m</u>	<u>-47°</u>	<u>335°</u>	<u>200 m</u>	<u>-46°</u>	<u>335°</u>
Tests	Dip	Azimuth																			
At Collar	<u>-50°</u>	<u>335°</u>																			
<u>50 m</u>	<u>-49°</u>	<u>335°</u>																			
<u>101 m</u>	<u>-49°</u>	<u>335°</u>																			
<u>150 m</u>	<u>-47°</u>	<u>335°</u>																			
<u>200 m</u>	<u>-46°</u>	<u>335°</u>																			
Remarks <u>Numerous conductive magnetite stringers/seams in peridotite.</u>																					

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
			<u>Summary Log</u>						
			Assays - 24      Whole Rock - 9						
0.00	28.00	OB	CASING						
28.00	218.00	4a	PERIDOTITE						
	218.00	EOH	END OF HOLE						

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
0.00	28.00	CASING							
28.00	157.78	PERIDOTITE (ULTRAMAFIC)	Bluish green to black medium-grained, magnetic. Weathered locally, hematite staining common centred on olivine? grains. Typical peridotite to ferro-gabbro. Plagioclase 2-3%, magnetite, serpentine, chlorite, carbonate, olivine. Weakly foliated at 60° to core axis. Second cleavage at 20° to core axis commonly filled with carbonate-serpentine ± magnetite. Numerous brittle faults at 30-36 m. 45.70-46.00 - Fault gouge. 49.20-50.00 - Broken core, poor recovery fault. 86.00-92.00 - Blotchy talc-carbonate-serpentine alteration throughout. 100.48 - Serpentine brittle fault seam at 40° to core axis. 106.00-107.20 - Numerous magnetite stringers 3% (conductive). 107.20-122.00 - Leucocratic pyroxenite, 2% magnetite stringers (conductive). 116.20 - Pinkish carbonate vein 1 cm wide at 50° to core axis. 116.40-117.30 - Broken core, poor recovery mixture of lamprophyre, pyroxene and fault gouge. 117.30-117.40 - Fault zone gouge weakly conductive. Lower contact sharp at 45° to core axis (cumulate at base). Tops up hole.	J4582* J4583* J4584* J4585*	41.00 59.00 89.00 110.00	44.00 62.00 92.00 113.00	3.00 3.00 3.00 3.00	1400 1500 1520 1530	20 20 50 80
157.78	218.00	PERIDOTITE TO PYROXENITE (ULTRAMAFIC)	Dark green locally bluish to olive green, medium to coarse-grained, magnetic. Pyroxenite content decreases to 179.0. 179.0-209 - good peridotite. Serpentinized, chloritic. Local faults - gouge - chloritic schists. Up to 10% magnetite locally associated with carbonate serpentine veins. 128.35-132.36 - Medium-grained, rusty brown, locally dunite. 142.30-142.90 - Numerous faults, seams and gouge, broken core. More peridotitic near base. 165.00-169.20 - Section of chloritic, talcose peridotite schistose. Main shear at 167.20-167.50. 172.50 - Magnetite stringers at 80-85° to core axis. 175.00 - Quartz-carbonate veinlet parallel to core axis. Lined with magnetite. Below 175.00 - Carbonate-serpentine-magnetite stringers up to 10% (conductive seams). 209.00-218.00 - Strongly serpentinized, peridotite-chloritic-talcose.	J4778 J4779 J4780 J4781 J4782 J4586* J4587* J4588* J4589* J4590* J4783 J4784 J4785 J4786 J4787 J4788 J4789 J4790 J4791 J4792 J4793	104.00 105.00 106.00 107.30 108.00 128.00 155.00 173.00 191.00 206.00 179.00 180.00 181.00 182.00 183.00 184.00 185.00 186.00 193.00 194.00 195.00	105.00 106.00 107.30 108.00 109.00 131.00 158.00 176.00 194.00 209.00 180.00 181.00 182.00 183.00 184.00 185.00 186.00 194.00 195.00 196.00	1.00 1.00 1.30 0.70 1.00 3.00 3.00 3.00 3.00 3.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	1018 1050 881 821 864 1560 1500 1460 1580 1550 1030 1095 1041 1016 1094 1052 942 1010 1052 1060 1090	10 7 16 7 12 50 10 40 20 50 5 4 4 4 4 3 3 4 4 4 4

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
				J4794	196.00	197.00	1.00	1003	4
				J4795	197.00	198.00	1.00	1075	3
				J4796	198.00	199.00	1.00	1067	4
				J4797	199.00	200.00	1.00	1054	4
				J4798	200.00	201.00	1.00	1105	4
				J4799	201.00	202.00	1.00	1040	3
				J4800	202.00	203.00	1.00	924	4
				J4801	203.00	204.00	1.00	880	4
	218.00	END OF HOLE	* Denotes Whole Rock Samples						



**WHOLE ROCK ANALYSIS**

**MAJOR ELEMENTS**

SAMPLE	LOCATION	ROCK TYPE	From	To	Lgth	NA2O	MGO	AL2O3	SI02	P2O5	K2O	CAO	TIO2	CR2O3	MNO	FE2O3	LOI	SUM
J4582	MAC96-08	Peridotite	41.00	44.00	3.00	0.11	34.10	1.80	34.10	<0.01	<0.01	2.19	0.10	0.61	0.19	14.40	12.80	100.40
J4583	MAC96-08	Peridotite	59.00	62.00	3.00	0.13	35.50	2.01	35.60	<0.01	<0.01	0.32	0.11	0.62	0.12	14.00	11.80	100.20
J4584	MAC96-08	Peridotite	89.00	92.00	3.00	0.12	34.50	1.61	34.10	<0.01	<0.01	1.75	0.10	0.64	0.19	14.00	13.40	100.40
J4585	MAC96-08	Peridotite	110.00	113.00	3.00	0.09	34.10	1.44	33.20	<0.01	<0.01	1.24	0.10	0.61	0.19	13.20	16.30	100.50
J4586	MAC96-08	Peridotite	128.00	131.00	3.00	0.08	35.40	1.60	34.80	<0.01	<0.01	0.68	0.07	0.64	0.14	14.20	12.70	100.30
J4587	MAC96-08	Peridotite	155.00	158.00	3.00	0.11	33.90	1.57	34.70	<0.01	<0.01	0.95	0.07	0.66	0.15	12.80	15.60	100.50
J4588	MAC96-08	Peridotite	173.00	176.00	3.00	0.08	34.20	1.47	33.20	<0.01	<0.01	0.86	0.07	0.63	0.21	13.50	16.30	100.50
J4589	MAC96-08	Peridotite	191.00	194.00	3.00	0.07	36.00	1.50	35.00	<0.01	<0.01	0.24	0.08	0.72	0.15	13.90	12.70	100.40
J4590	MAC96-08	Peridotite	206.00	209.00	3.00	0.08	36.40	1.28	35.00	<0.01	<0.01	0.31	0.09	0.73	0.15	13.90	12.50	100.40

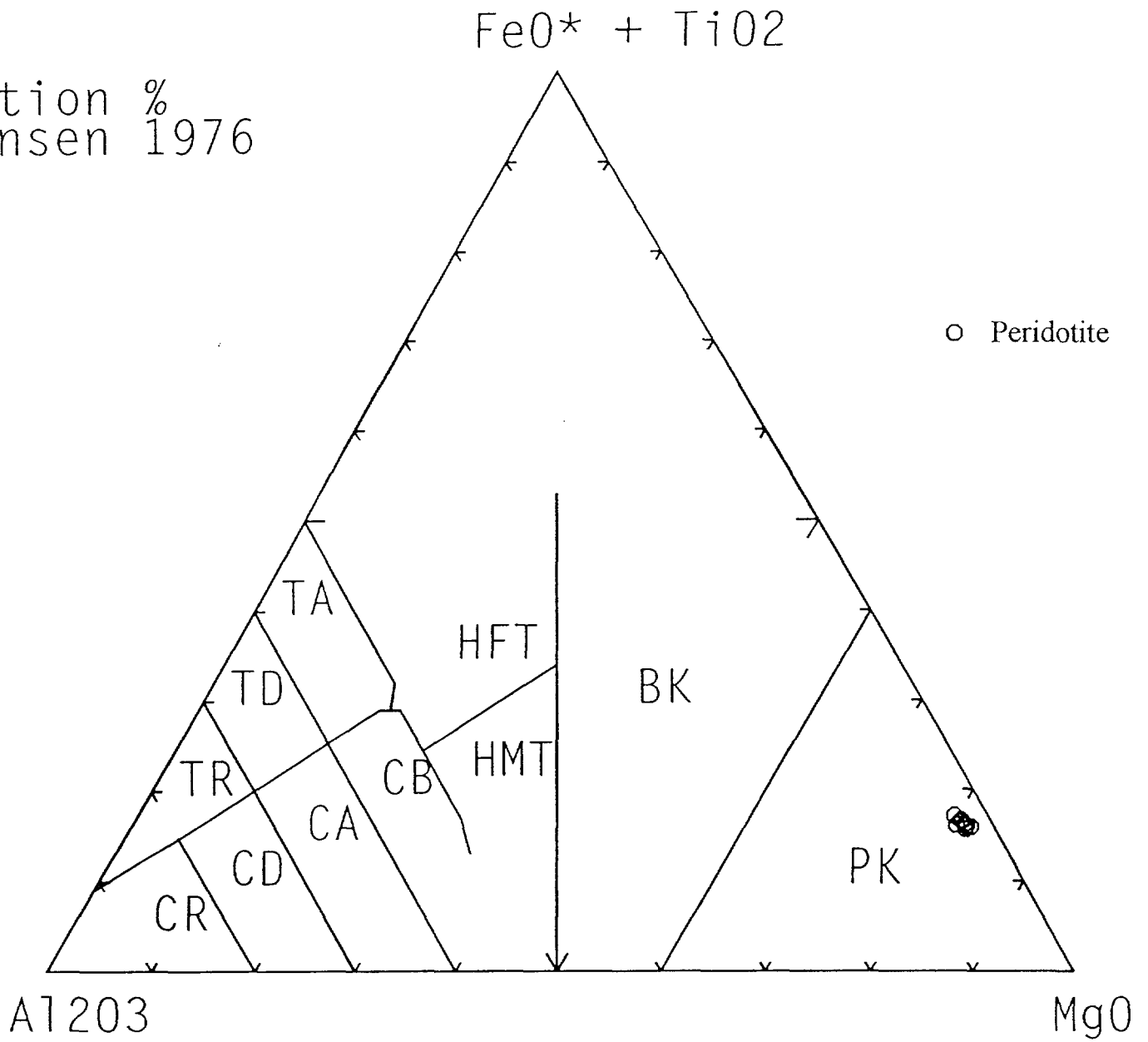
**TRACE ELEMENTS**

SAMPLE	LOCATION	ROCK TYPE	From	To	Lgth	RB	SR	Y	ZR	NB	BA	AU	AU CHK	CU	NI
J4582	MAC96-08	Peridotite	41.00	44.00	3.00	<2	24	<2	14	<2	79	100		20	1400
J4583	MAC96-08	Peridotite	59.00	62.00	3.00	<2	22	<2	13	<2	85	66		20	1500
J4584	MAC96-08	Peridotite	89.00	92.00	3.00	<2	32	<2	13	<2	86	32		50	1520
J4585	MAC96-08	Peridotite	110.00	113.00	3.00	<2	60	3	15	<2	101	40		80	1530
J4586	MAC96-08	Peridotite	128.00	131.00	3.00	<2	21	<2	13	<2	78	32		50	1560
J4587	MAC96-08	Peridotite	155.00	158.00	3.00	9	44	2	13	2	79	46		10	1500
J4588	MAC96-08	Peridotite	173.00	176.00	3.00	<2	36	<2	13	<2	85	72		40	1460
J4589	MAC96-08	Peridotite	191.00	194.00	3.00	<2	18	<2	12	47	72	42		20	1580
J4590	MAC96-08	Peridotite	206.00	209.00	3.00	<2	21	2	15	11	74	76		50	1550



# Whole Rock Data MAC96-08

Cation %  
Jensen 1976



## TECK EXPLORATION LTD. DIAMOND DRILL LOG

Job <u>98424</u> <u>N.T.S.</u> <u>42 B/09</u> Property <u>Montcalm Adjacent Claims</u> Township <u>Montcalm Grid H-East</u> Location: Line <u>91+00E</u> Station <u>7+75N</u> Elevation <u>300 m</u> UTM Easting <u>412307</u> Northing <u>5383628</u>	Objective <u>Testing PEM-TEM anomaly</u> Claim No. <u>1200539</u> Drilling Co. <u>Bradley Bros.</u> Commenced <u>February 23, 1996</u> Completed <u>February 26, 1996</u> Date Logged <u>February 27, 1996</u> Length <u>299.00 m</u>	Core Location <u>North Bay</u> Distance to Water <u>300 m</u> Casing <u>Left in hole</u> Core Size <u>NQ</u>	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Tests</th> <th style="text-align: center;">Dip</th> <th style="text-align: center;">Azimuth</th> </tr> </thead> <tbody> <tr> <td>At Collar</td> <td style="text-align: center;">-50°</td> <td style="text-align: center;">335°</td> </tr> <tr> <td>50 m</td> <td style="text-align: center;">-49°</td> <td style="text-align: center;">335°</td> </tr> <tr> <td>100 m</td> <td style="text-align: center;">-48°</td> <td style="text-align: center;">335°</td> </tr> <tr> <td>150 m</td> <td style="text-align: center;">-48°</td> <td style="text-align: center;">335°</td> </tr> <tr> <td>200 m</td> <td style="text-align: center;">-48°</td> <td style="text-align: center;">335°</td> </tr> <tr> <td>250 m</td> <td style="text-align: center;">-48°</td> <td style="text-align: center;">335°</td> </tr> <tr> <td>299 m</td> <td style="text-align: center;">-48°</td> <td style="text-align: center;">335°</td> </tr> </tbody> </table>	Tests	Dip	Azimuth	At Collar	-50°	335°	50 m	-49°	335°	100 m	-48°	335°	150 m	-48°	335°	200 m	-48°	335°	250 m	-48°	335°	299 m	-48°	335°
Tests	Dip	Azimuth																									
At Collar	-50°	335°																									
50 m	-49°	335°																									
100 m	-48°	335°																									
150 m	-48°	335°																									
200 m	-48°	335°																									
250 m	-48°	335°																									
299 m	-48°	335°																									
Remarks <u>Conductor at 188.00-193.60. 2-50% pyrite, pyrrhotite disseminations and stringers in pyroxenite. High Mg-tholeiite dominant lithology.</u>																											

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
			<u>Summary Log</u>						
			Assays - 36      Whole Rock - 13						
0.00	52.00	OB	CASING						
52.00	106.90	7a	DIABASE						
106.90	125.20	4c	PEGMATITIC GABBRO						
125.20	127.32	4d	ANORTHOSITE TO LEUCO-GABBRO						
127.32	146.55	4b	PYROXENITE TO GABBRO						
146.55	166.98	4c	PEGMATITIC GABBRO						
166.98	227.28	4b	PYROXENITE						
227.28	231.28	4d	GABBRO TO LEUCO-GABBRO						
231.28	231.95	QV	QUARTZ VEIN						
231.95	263.42	4d	GABBRO TO LEUCO-GABBRO						
263.42	276.44	4h	GLOMEROPORPHYRITIC PYROXENITE						
276.44	286.08	4d	LEUCO-GABBRO						
286.08	299.00	4h	GLOMEROPORPHYRITIC PYROXENITE						
	299.00	EOH	END OF HOLE						

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
0.00	52.00	CASING							
52.00	106.90	DIABASE	Dark green to black. Typical diabasic texture. Lower contact sharp intrusive at 40° to core axis.						
106.90	125.20	PEGMATITIC GABBRO (HIGH MG-THOLEIITE)	Coarse-grained, locally pegmatitic. Light to dark green, magnetic. Ophitic texture dominates with plagioclase - pyroxene ± olivine assemblage up to 5-7% plagioclase ± magnetite. Layering common at 50° to core axis. Minor disseminated pyrrhotite. 106.90-120.40 - Gabbro equigranular, coarse-grained. 114.80 - 2 cm wide diabase at 20° to core axis. 120.40-125.20 - Plagioclase increases to base as up to 1 cm sized aggregates. Cyclical (metre scale) plagioclase rich to poor sections defining crude primary layering. Lower contact sharp at 40° to core axis.	J4591*	110.00	113.00	3.00	350	80
125.20	127.32	ANORTHOSITE TO LEUCO-GABBRO (CALC-ALKALINE INTERMEDIATE)	Whitish green porphyritic dyke? Coarse-grained, weakly magnetic. 50-60% plagioclase as 0.75 cm phenocrysts. Lower contact sharp at 40° to core axis.	J4592*	125.20	127.30	2.10	160	60
127.32	146.55	PYROXENITE TO GABBRO (HIGH MG-THOLEIITE)	Light green, fine to medium-grained. Weakly magnetic to non-magnetic. Plagioclase <7%, locally as 1 cm sized aggregates in mafic pyroxene ± olivine matrix.	J4593*	137.00	141.00	4.00	200	70
146.55	166.98	PEGMATITIC GABBRO (HIGH MG-THOLEIITE)	Same as 106.90-125.20. Plagioclase content variable. 3-10% in pyroxene - chlorite matrix ± hornblende magnetite. Locally disseminated pyrrhotite. Lower contact sharp at 50° to core axis.	J4594*	149.00	152.00	3.00	210	60
166.98	227.28	PYROXENITE (HIGH MG-THOLEIITE)	Dark green, medium-grained, similar to 127.32-146.55. Plagioclase <5%. Massive with minor grain size variations. Trace pyrite ± pyrrhotite. Lower contact sharp at 40° to core axis. 174.23-174.57 - Barren quartz. 176.50-176.80 - Sericite-carbonate vein at 55° to core axis. 178.00-186.00 - 2% magnetite. 188.00-193.18 - 2-5% pyrrhotite, pyrite, ± chalcopyrite stringers and	J4595* J4596* J4597* J4598*  J4809 J4802	170.00 185.00 200.00 215.00  188.00 188.50	173.00 188.00 203.00 218.00  188.50 189.50	3.00 3.00 3.00 3.00  0.50 1.00	200 190 250 230  110 81	80 60 80 100  71 50

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
			disseminations.	J4803	189.50	190.50	1.00	97	103
			193.16-193.60 - Massive pyrrhotite, pyrite, chalcopyrite section. Up to 70% sulphides, 60% pyrrhotite, 10% pyrite, trace chalcopyrite.	J4804	190.50	191.50	1.00	107	85
				J4805	191.50	192.50	1.00	89	76
			193.60-216.81 - Massive medium to coarse-grained gabbro. Foliated.	J4806	192.50	193.20	0.70	83	70
			216.81-227.28 - Fine-grained section at 40° to core axis. Deformation stronger intensity, chloritic. Locally mineralized with 2-3% pyrrhotite stringers.	J4807	193.20	193.60	0.40	383	1116
				J4808	193.60	194.50	0.90	72	63
				J4810	194.50	195.00	0.50	91	29
				J4811	195.00	196.00	1.00	113	102
				J4812	196.00	197.00	1.00	97	34
				J4813	197.00	198.00	1.00	66	60
				J4814	198.00	199.00	1.00	106	86
227.28	231.28	GABBRO TO LEUCO-GABBRO (HIGH MG-THOLEIITE)	Dark green, medium-grained, non-magnetic. Plagioclase variable, up to 10% locally layering observable at metre-scale by concentration of plagioclase at the top of cycles. Tops downhole? Pyroxene + plagioclase ± pyrrhotite, pyrite disseminations.	J4599*	228.00	230.00	2.00	250	110
				J4815	217.00	218.00	1.00	107	94
				J4816	218.00	219.00	1.00	114	45
				J4817	219.00	220.00	1.00	61	92
				J4818	220.00	221.00	1.00	123	83
				J4819	221.00	222.00	1.00	84	364
				J4820	222.00	223.00	1.00	66	319
				J4821	223.00	224.00	1.00	60	521
				J4822	224.00	225.00	1.00	81	188
231.28	231.95	QUARTZ VEIN	White cryptocrystalline. Mineralized with chalcopyrite along wall rock contact (up to 3%).	J4823	225.00	226.00	1.00	62	385
				J4824	226.00	227.00	1.00	203	183
				J4825	231.28	231.95	0.67	161	3030
231.95	263.42	GABBRO TO LEUCO-GABBRO	Same as 227.28-231.28. 241.40-251.90 - Glomeroporphyritic section with 1 cm-sized plagioclase aggregates. (high Fe-tholeiite)	J4600*	245.00	248.00	3.00	120	100
				J4001*	260.00	263.00	3.00	100	60
263.42	276.44	GLOMEROPORPHYRITIC PYROXENITE (HIGH MG-THOLEIITE)	Black to dark green, fine-grained, weakly magnetic. Littered with 5% plagioclase aggregates up to 1.5 cm in size. Mineralized with 2-3% pyrrhotite stringers and disseminations. Upper and lower contacts sharp at 45° to core axis. 267.20 - 2 mm band of pyrrhotite at 45° to core axis. 274.00-274.10 - 3% pyrrhotite blebs and disseminations.	J4002*	269.00	272.00	3.00	140	40
				J4826	266.00	267.00	1.00	59	106
				J4827	267.00	268.00	1.00	55	139
				J4828	268.00	269.00	1.00	49	155
				J4829	269.00	270.00	1.00	6	19

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
				J4830	270.00	271.00	1.00	57	100
				J4831	271.00	272.00	1.00	62	175
				J4832	272.00	273.00	1.00	68	126
				J4833	273.00	274.00	1.00	32	71
				J4834	274.00	275.00	1.00	50	107
				J4835	275.00	276.00	1.00	41	44
				J4836	276.00	276.44	0.44	28	43
276.44	286.08	LEUCO-GABBRO	Light grey-green, medium-grained, non-magnetic. 10-15% plagioclase.						
286.08	299.00	GLOMEROPORPHYRITIC PYROXENITE (HIGH MG-THOLEIITE)	Same as 263.42-276.44. 291.60-291.85 - 10% pyrite in sericite-carbonate schist zone. 295.06-295.17 - Diabase dykelet.	J4837	291.60	291.85	0.25	41	32
	299.00	END OF HOLE		J4003*	296.00	299.00	3.00	130	70
			* Denotes Whole Rock Samples						

## WHOLE ROCK ANALYSIS

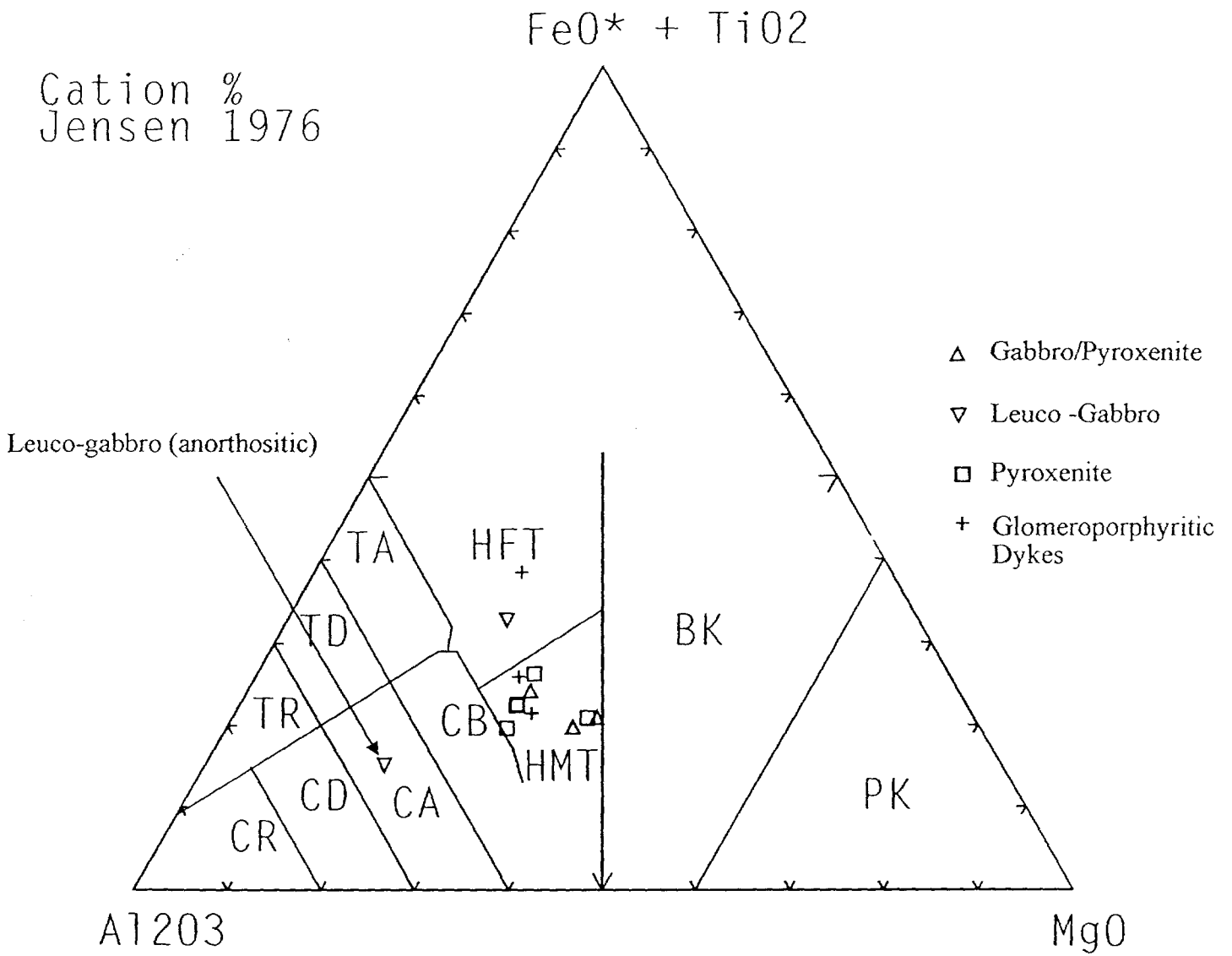
### MAJOR ELEMENTS

SAMPLE	LOCATION	ROCK TYPE	From	To	Lgth	NA2O	MGO	AL2O3	SI02	P2O5	K2O	CAO	TIO2	CR2O3	MNO	FE2O3	LOI	SUM
J4591	MAC96-09	Peg. gabbro	110.00	113.00	3.00	1.76	10.60	15.70	47.90	<0.01	1.16	8.84	0.46	0.08	0.17	10.80	2.80	100.30
J4592	MAC96-09	Anorthosite	125.20	127.30	2.10	2.75	4.55	19.70	49.60	0.08	0.71	9.49	0.50	0.02	0.09	6.61	3.60	97.80
J4593	MAC96-09	Pyroxenite	137.00	141.00	4.00	2.64	7.91	16.80	48.80	0.03	0.57	7.68	0.40	0.04	0.14	9.87	3.70	98.60
J4594	MAC96-09	Peg. gabbro	149.00	152.00	3.00	1.93	7.87	15.00	46.60	0.01	0.60	9.64	0.78	0.04	0.18	11.70	3.45	97.90
J4595	MAC96-09	Pyroxenite	170.00	173.00	3.00	1.48	7.21	13.60	42.60	0.02	0.91	9.48	0.76	0.03	0.17	11.90	12.00	100.20
J4596	MAC96-09	Pyroxenite	185.00	188.00	3.00	1.71	7.45	15.20	48.90	0.02	0.44	9.77	0.45	0.04	0.18	10.70	2.85	97.80
J4597	MAC96-09	Pyroxenite	200.00	203.00	3.00	0.61	10.20	14.00	42.60	<0.01	0.40	11.10	0.25	0.06	0.17	10.90	8.45	98.80
J4598	MAC96-09	Pyroxenite	215.00	218.00	3.00	2.34	6.91	14.10	49.60	0.03	2.60	8.43	0.52	0.03	0.16	9.91	3.15	97.90
J4599	MAC96-09	Gabbro	228.00	230.00	2.00	3.64	9.19	12.00	49.50	0.38	0.09	7.90	0.83	0.03	0.15	9.00	4.50	97.30
J4600	MAC96-09	Gabbro	245.00	248.00	3.00	1.74	6.08	13.70	42.80	<0.01	0.40	9.48	2.63	<0.01	0.25	18.70	1.70	97.50
J4001	MAC96-09	Gabbro	260.00	263.00	3.00	2.12	6.34	15.00	45.60	<0.01	0.27	9.67	1.84	0.03	0.21	15.70	1.70	98.50
J4002	MAC96-09	Pyroxenite	269.00	272.00	3.00	2.49	7.45	15.40	48.60	0.03	0.30	7.28	0.90	0.04	0.22	12.70	2.55	98.00
J4003	MAC96-09	Pyroxenite	296.00	299.00	3.00	1.89	8.03	15.00	47.50	<0.01	0.35	9.88	0.45	0.06	0.17	10.30	2.95	96.60

### TRACE ELEMENTS

SAMPLE	LOCATION	ROCK TYPE	From	To	Lgth	RB	SR	Y	ZR	NB	BA	AU	AU	CHK	CU	NI
J4591	MAC96-09	Peg. gabbro	110.00	113.00	3.00	48	238	5	18	<2	369	12			80	350
J4592	MAC96-09	Anorthosite	125.20	127.30	2.10	9	352	8	61	2	216	20			60	160
J4593	MAC96-09	Pyroxenite	137.00	141.00	4.00	33	288	7	33	<2	186	18			70	200
J4594	MAC96-09	Peg. gabbro	149.00	152.00	3.00	12	243	7	22	<2	138	4			60	210
J4595	MAC96-09	Pyroxenite	170.00	173.00	3.00	6	111	11	34	11	165	12			80	200
J4596	MAC96-09	Pyroxenite	185.00	188.00	3.00	8	224	12	37	<2	127	10			60	190
J4597	MAC96-09	Pyroxenite	200.00	203.00	3.00	<2	128	3	16	<2	184	6			80	250
J4598	MAC96-09	Pyroxenite	215.00	218.00	3.00	60	137	9	24	<2	769	6			100	230
J4599	MAC96-09	Gabbro	228.00	230.00	2.00	<2	201	20	133	7	84	4			110	250
J4600	MAC96-09	Gabbro	245.00	248.00	3.00	6	190	4	21	<2	106	6			100	120
J4001	MAC96-09	Gabbro	260.00	263.00	3.00	<2	185	2	18	<2	99	18			60	100
J4002	MAC96-09	Pyroxenite	269.00	272.00	3.00	<2	150	5	32	18	89	34			40	140
J4003	MAC96-09	Pyroxenite	296.00	299.00	3.00	<2	260	4	22	75	125	19		18	70	130

Whole Rock Data  
MAC96-09



## TECK EXPLORATION LTD. DIAMOND DRILL LOG

Job <u>98424</u> <u>N.T.S.</u> <u>42 B/09</u> Property <u>Montcalm Adjacent Claims</u> Township <u>Montcalm Grid "H-East"</u> Location: Line <u>92+00E</u> Station <u>8+00N</u> Elevation <u>300 m</u> UTM Easting <u>412387</u> Northing <u>5383691</u>	Objective <u>Testing MAG-TEM anomaly</u> Claim No. <u>1200539</u> Drilling Co. <u>Bradley Bros.</u> Commenced <u>February 27, 1996</u> Completed <u>February 28, 1996</u> Date Logged <u>February 29, 1996</u> Length <u>194.00 m</u>	Core Location <u>North Bay</u> Distance to Water <u>200 m</u> Casing <u>Left in hole</u> Core Size <u>NQ</u>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: left;">Tests</td> <td style="text-align: center;">Dip</td> <td style="text-align: center;">Azimuth</td> </tr> <tr> <td>At Collar</td> <td style="text-align: center;">-50°</td> <td style="text-align: center;">335°</td> </tr> <tr> <td style="text-align: center;">101 m</td> <td style="text-align: center;">-48°</td> <td style="text-align: center;">335°</td> </tr> <tr> <td style="text-align: center;">150 m</td> <td style="text-align: center;">-48°</td> <td style="text-align: center;">335°</td> </tr> <tr> <td style="text-align: center;">194 m</td> <td style="text-align: center;">-48°</td> <td style="text-align: center;">335°</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	Tests	Dip	Azimuth	At Collar	-50°	335°	101 m	-48°	335°	150 m	-48°	335°	194 m	-48°	335°						
Tests	Dip	Azimuth																						
At Collar	-50°	335°																						
101 m	-48°	335°																						
150 m	-48°	335°																						
194 m	-48°	335°																						
Remarks <u>Conductive zone from 98.00-140.00 metres. Semi-massive to stringers of pyrite-pyrrhotite. Sulphides hosted by High Mg-tholeiitic porphyritic pyroxenite. Conductor dips 50° NE.</u>																								

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
<u>Summary Log</u>									
			Assays - 50                      Whole Rock - 9						
0.00	64.00	0B	CASING						
64.00	140.75	4b	PYROXENITE GABBRO						
140.75	154.16	4d	LEUCO-GABBRO						
154.16	159.85	4h	GLOMEROPORPHYRITIC GABBRO						
159.85	160.30	5a	MAFIC DYKE						
160.30	180.85	4c	GABBRO						
180.85	194.00	5a	MAFIC DYKE						
	194.00	EOH	END OF HOLE						



Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
0.00	64.00	CASING							
64.00	140.75	PYROXENITE GABBRO (HIGH MG-THOLEIITE)	Medium to coarse-grained. Locally porphyritic - weakly magnetic. Mg-rich gabbro with 5-10% plagioclase equigranular mafic groundmass of pyroxene. Locally "late" blue quartz grains "prevalent".	J4004*	74.00	77.00	3.00	150	80
			72.70-77.75 - Fine-grained <5% plagioclase, good pyroxenite.	J4005*	92.00	95.00	3.00	90	70
			98.00-141.00 - Wide zone in gabbro of pyrrhotite, pyrite mineralization. Locally semi-massive net-textured sections.	J4006*	101.00	104.00	3.00	160	120
				J4007*	113.00	116.00	3.00	140	100
				J4008*	128.00	131.00	3.00	130	50
		UPPER ZONE	99.00-101.00 - 5-7% pyrrhotite, pyrite stringers and blebs in gabbro (plagioclase porphyritic).	J4838	98.00	99.00	1.00	50	29
			101.65-101.76 - Semi-massive 70% pyrrhotite, pyrite.	J4839	99.00	100.00	1.00	75	31
			102.60-105.50 - Net-textured pyrite, pyrrhotite, 50-65% sulphides overall with 10 cm massive sections.	J4840	100.00	101.00	1.00	75	74
			105.50-111.05 - 5-7% pyrite, pyrrhotite blebs, stringers and disseminations throughout.	J4841	101.00	101.60	0.60	80	57
			107.80 - 1 cm wide plagioclase cap at top of gabbro unit tops down hole.	J4842	101.60	102.60	1.00	123	76
			123.33-126.50 - 10% pyrite, pyrrhotite blebs, stringers and disseminations with local cm-scale massive sections.	J4843	102.60	103.40	0.80	158	270
			128.20-137.70 - 3-5% pyrite, pyrrhotite stringers, blebs and disseminations.	J4844	103.40	104.20	0.80	86	34
		LOWER ZONE	137.70-139.38 - 20-40% pyrite, pyrrhotite blebs, stringers with semi-massive section from 138.40-139.10 (65% sulphides) oriented at 30° to core axis.	J4845	104.20	105.00	0.80	82	18
			139.38-141.00 - 2-5% pyrite, pyrrhotite stringers and disseminations.	J4846	105.00	105.50	0.50	210	327
				J4847	105.50	106.50	1.00	192	274
				J4848	106.50	107.50	1.00	75	154
				J4849	107.50	108.50	1.00	65	43
				J4850	108.50	109.50	1.00	112	70
				J4851	109.50	110.50	1.00	85	76
				J4852	110.50	111.50	1.00	67	22
				J4853	111.50	112.50	1.00	47	26
				J4854	112.50	113.50	1.00	63	87
				J4855	113.50	114.50	1.00	62	83
				J4856	114.50	115.50	1.00	69	106
				J4857	115.50	116.50	1.00	54	82
				J4858	116.50	117.50	1.00	55	75
				J4859	117.50	118.50	1.00	68	88
				J4860	118.50	119.50	1.00	77	80
				J4861	119.50	120.50	1.00	67	67
				J4862	120.50	121.50	1.00	79	63
				J4863	121.50	122.50	1.00	94	45
				J4864	122.50	123.20	0.70	115	169
				J4865	123.20	124.00	0.80	100	156
				J4866	124.00	125.00	1.00	116	196
				J4867	125.00	126.00	1.00	137	378

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
140.75	154.16	LEUCO-GABBRO (HIGH MG-THOLEIITE)	Dark green, medium-grained. 10-12% plagioclase and olivine-pyroxene groundmass. Ophitic to locally diabase texture. Non magnetic. Up to 2% disseminations of pyrrhotite and pyrite. Upper contact sheared at 35° to core axis. Lower contact sharp at 50° to core axis. Numerous quartz-carbonate veinlets 2-3% locally. 140.75-144.70 - Leucocratic up to 12-15% plagioclase. More mafic from 144.70 to base.	J4868	126.00	127.00	1.00	111	78
				J4869	127.00	128.00	1.00	72	20
				J4870	128.00	129.00	1.00	77	25
				J4871	129.00	130.00	1.00	106	121
				J4872	130.00	131.00	1.00	90	42
				J4873	131.00	132.00	1.00	82	76
				J4874	132.00	133.00	1.00	80	63
				J4875	133.00	134.00	1.00	82	35
				J4876	134.00	135.00	1.00	107	53
				J4877	135.00	136.00	1.00	99	66
				J4878	136.00	137.00	1.00	85	54
				J4879	137.00	137.70	0.70	80	34
				J4880	137.70	138.40	0.70	105	188
				J4881	138.40	139.40	1.00	174	241
				J4888	139.40	140.90	1.50	95	15
154.16	159.85	GLOMEROPORPHYRITIC GABBRO (HIGH FE-THOLEIITE)	Same unit as in hole 8 and 9. Fine-grained gabbro with 1-2 cm sized plagioclase aggregates 5% of rock. Strongly magnetic. Mineralized with up to 4-5% pyrrhotite blebs and disseminations.	J4009*	143.00	144.00	1.00	220	50
				J4010*	152.00	154.00	2.00	80	90
				J4011*	155.00	158.00	3.00	130	70
				J4882	154.16	155.00	0.84	58	118
				J4883	155.00	156.00	1.00	39	47
				J4884	156.00	157.00	1.00	57	67
				J4885	157.00	158.00	1.00	68	76
159.85	160.30	MAFIC DYKE	Fine-grained, dark grey to black aphanitic non-magnetic - intrusive contacts at 60° to core axis.	J4886	158.00	159.00	1.00	67	74
				J4887	159.00	159.85	0.85	52	72
				J4012*	167.00	170.00	3.00	130	80
160.30	180.85	GABBRO (HIGH FE-THOLEIITE)	Dark green, medium to coarse-grained, strongly magnetic, equigranular. Plagioclase up to 7-10%. Non mineralized. Fe - gabbro - pyroxene	J4012*	167.00	170.00	3.00	130	80

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
180.85	194.00	MAFIC DYKE	dominates ferro-magnesian minerals. Black, weakly magnetic, fine-grained intrusive rock - pyroxenite composition. 1-2% disseminated pyrrhotite.						
	194.00	END OF HOLE	* Denotes Whole Rock Samples						

*M.Y. Houle*

## WHOLE ROCK ANALYSIS

### MAJOR ELEMENTS

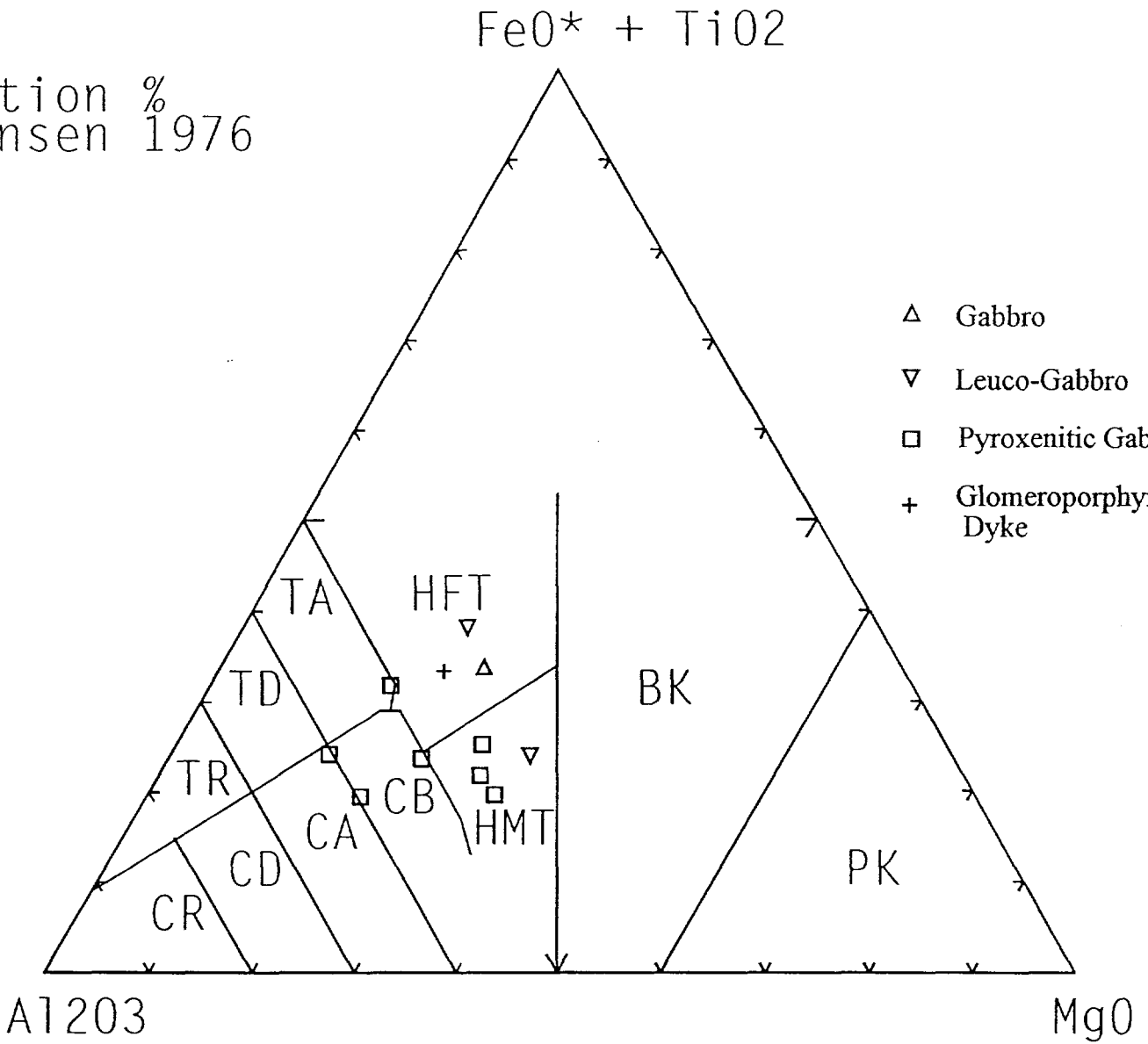
SAMPLE	LOCATION	ROCKTYPE	From	To	Lgth	NA2O	MGO	AL2O3	SI02	P2O5	K2O	CAO	TIO2	CR2O3	MNO	FE2O3	LOI	SUM
J4004	MAC96-10	Pyroxenite	74.00	77.00	3.00	1.85	8.01	15.00	48.30	<0.01	0.16	10.40	0.46	0.04	0.17	10.50	2.00	96.90
J4005	MAC96-10	Pyroxenite	92.00	95.00	3.00	2.43	6.15	16.20	49.00	0.02	0.15	9.20	0.49	0.02	0.19	11.20	1.95	97.00
J4006	MAC96-10	Pyroxenite	101.00	104.00	3.00	2.02	4.81	17.40	42.90	0.02	0.17	8.66	0.16	0.03	0.24	17.00	3.55	97.00
J4007	MAC96-10	Pyroxenite	113.00	116.00	3.00	1.75	7.68	14.50	47.60	0.02	0.26	10.30	0.71	0.03	0.20	12.10	1.40	96.60
J4008	MAC96-10	Pyroxenite	128.00	131.00	3.00	2.73	5.01	18.10	50.70	0.03	0.15	7.86	0.18	0.02	0.15	9.08	3.10	97.20
J4009	MAC96-10	Leuco-gabbro	143.00	144.00	1.00	3.24	8.73	12.70	47.10	0.38	0.36	8.88	1.05	0.05	0.14	10.70	4.80	98.20
J4010	MAC96-10	Leuco-gabbro	152.00	154.00	2.00	1.81	5.97	13.60	43.50	0.02	0.34	9.50	2.55	<0.01	0.22	17.90	2.90	98.40
J4011	MAC96-10	Gabbro	155.00	158.00	3.00	1.56	5.59	14.20	43.90	<0.01	0.13	13.10	1.41	0.02	0.26	15.30	2.70	98.20
J4012	MAC96-10	Gabbro	167.00	170.00	3.00	1.97	6.80	13.40	45.40	0.03	0.12	10.20	1.60	<0.01	0.21	16.00	1.45	97.20

### TRACE ELEMENTS

SAMPLE	LOCATION	ROCK TYPE	From	To	Lgth	RB	SR	Y	ZR	NB	BA	AU	AU	CHK	CU	NI
J4004	MAC96-10	Pyroxenite	74.00	77.00	3.00	<2	165	6	20	<2	93	70			80	150
J4005	MAC96-10	Pyroxenite	92.00	95.00	3.00	5	208	4	25	<2	124	22			70	90
J4006	MAC96-10	Pyroxenite	101.00	104.00	3.00	<2	233	<2	34	<2	128	20	14	120	160	
J4007	MAC96-10	Pyroxenite	113.00	116.00	3.00	<2	149	6	30	<2	105	22			100	140
J4008	MAC96-10	Pyroxenite	128.00	131.00	3.00	11	266	6	43	<2	129	40			50	130
J4009	MAC96-10	Leuco-gabbro	143.00	144.00	1.00	<2	402	17	131	52	187	12			50	220
J4010	MAC96-10	Leuco-gabbro	152.00	154.00	2.00	<2	180	5	30	<2	195	21	25		90	80
J4011	MAC96-10	Gabbro	155.00	158.00	3.00	<2	141	7	22	<2	70	42			70	130
J4012	MAC96-10	Gabbro	167.00	170.00	3.00	<2	148	4	34	<2	73	90			80	130

# Whole Rock Data MAC96-10

Cation %  
Jensen 1976



## TECK EXPLORATION LTD. DIAMOND DRILL LOG

Job <u>98424</u> <u>N.T.S.</u> <u>42 B/09</u> Property <u>Montcalm Adjacent Claims</u> Township <u>Montcalm Grid H-East</u> Location: Line <u>87+00E</u> Station <u>8+00N</u> Elevation <u>300 m</u> UTM Easting <u>411937</u> Northing <u>5383490</u>	Objective <u>Testing MAG-TEM anomaly</u> Claim No. <u>1200539</u> Drilling Co. <u>Bradley Bros.</u> Commenced <u>February 29, 1996</u> Completed <u>March 02, 1996</u> Date Logged <u>March 03, 1996</u> Length <u>209.00 m</u>	Core Location <u>North Bay</u> Distance to Water <u>300 m</u> Casing <u>Left in hole</u> Core Size <u>NQ</u>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: left;">Tests</td> <td style="text-align: center;">Dip</td> <td style="text-align: center;">Azimuth</td> </tr> <tr> <td>At Collar</td> <td style="text-align: center;"><u>-50°</u></td> <td style="text-align: center;"><u>335°</u></td> </tr> <tr> <td>50 m</td> <td style="text-align: center;"><u>-49°</u></td> <td style="text-align: center;"><u>335°</u></td> </tr> <tr> <td>100 m</td> <td style="text-align: center;"><u>-48°</u></td> <td style="text-align: center;"><u>335°</u></td> </tr> <tr> <td>150 m</td> <td style="text-align: center;"><u>-48°</u></td> <td style="text-align: center;"><u>335°</u></td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	Tests	Dip	Azimuth	At Collar	<u>-50°</u>	<u>335°</u>	50 m	<u>-49°</u>	<u>335°</u>	100 m	<u>-48°</u>	<u>335°</u>	150 m	<u>-48°</u>	<u>335°</u>						
Tests	Dip	Azimuth																						
At Collar	<u>-50°</u>	<u>335°</u>																						
50 m	<u>-49°</u>	<u>335°</u>																						
100 m	<u>-48°</u>	<u>335°</u>																						
150 m	<u>-48°</u>	<u>335°</u>																						
Remarks <u>Conductive zone from 105.74-126.63 metres, stringers of pyrite-pyrrhotite, numerous other mineralized sections.</u>																								

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
			<u>Summary Log</u>						
			Assays - 65                  Whole Rock - 16						
0.00	48.00	0B	CASING						
48.00	77.35	4g	PORPHYRITIC GABBRO						
77.35	80.00	4c	GABBRO						
80.00	105.74	4h	GLOMEROPORPHYRITIC GABBRO						
105.74	126.63	4c	GABBRO						
126.63	130.47	6b	QFP DYKE						
130.47	132.04	4g	PORPHYRITIC GABBRO						
132.04	132.61	5c	LAMPROPHYRE DYKE						
132.61	140.35	4g	PORPHYRITIC GABBRO						
140.35	150.50	4h	GLOMEROPORPHYRITIC GABBRO						
150.50	155.85	4d	LEUCO-GABBRO						
155.85	157.00	4h	GLOMEROPORPHYRITIC GABBRO						
157.00	181.70	4c	GABBRO						
181.70	193.50	4a	PERIDOTITE						
193.50	199.67	4c	GABBRO						
199.67	209.00	4a	PERIDOTITE						
	209.00	EOH	END OF HOLE						

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
0.00	48.00	CASING							
48.00	77.35	PORPHYRITIC GABBRO	Dark grey, medium-grained, plagioclase porphyritic (1-3 mm). Magnetic, locally 2% quartz. Section consists of numerous metre-scale gabbro porphyritic dykes intercalated with fine-grained pyroxenite units. Mineralized throughout, 2-5% pyrrhotite blebs and disseminations. Lower contact sheared at fault at 30° to core axis. 48.00-49.30 - Granodiorite dyke containing plagioclase, blue quartz, biotite, hornblende. 48.00-54.00 - Poor core recovery, 60-80% bad ground, broken core. 66.60-68.00 - Pyroxenite intercalation altered and sheared to sericite-carbonate-quartz schist from 67.2-67.6 with 2% coarse (2 mm) pyrite. Pyroxenite mineralized up to 3-5% pyrite blebs. 75.10-75.60 - 5-7% pyrrhotite, pyrite mineralization blebs and stringers associated with quartz (blue) aggregates and veinlets. 75.60-77.35 - 2-3% pyrrhotite stringers and blebs.	J4034* J4035* J4889 J4890 J4891 J4892 J4893 J4894 J4895 J4896 J4897 J4898 J4899 J4900 J4101 J4102 J4103 J4104 J4105 J4106 J4107 J4108 J4109 J4110	56.00 74.00 56.00 57.00 58.00 59.00 60.00 61.00 62.00 63.00 64.00 65.00 66.50 67.20 67.60 68.00 69.00 70.00 71.00 72.00 73.00 74.00 75.00 76.50	59.00 77.00 57.00 58.00 59.00 60.00 61.00 62.00 63.00 64.00 65.00 66.50 67.20 67.60 68.00 69.00 70.00 71.00 72.00 73.00 74.00 75.00 76.50 77.35	3.00 3.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.50 0.70 0.40 0.40 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.50 0.85	78 50 92 72 76 126 77 73 80 87 105 89 41 92 73 69 89 75 81 97 83 49 95 86	28 28 55 40 35 97 47 44 44 41 91 62 108 32 28 113 39 52 70 41 61 44 142 63
77.35	80.00	GABBRO	Dark green to greyish, medium-grained. More mafic than previous section. Weakly to non-magnetic. Mafic diabasic to ophitic texture in gabbro. 1 mm sized crystals. Equigranular.	J4036*	77.35	80.00	2.65	84	57
80.00	105.74	GLOMEROPORPHYRITIC GABBRO	Dark green, fine-grained matrix with plagioclase phenocrysts and aggregates up to 2 cm in size (5-7%). Strongly magnetic. 2-3% pyrrhotite as disseminations. Pyroxenite groundmass. 81.70-82.10 - Anorthositic dyke at 30° to core axis, 60-70% plagioclase. 104.32-104.45 - 10-15% pyrrhotite, pyrite blebs and stringers foliated at 50° to core axis.	J4037* J4038* J4111 J4112 J4113	89.00 101.00 80.00 88.00 89.50	92.00 104.00 81.50 89.50 91.00	3.00 3.00 1.50 1.50 1.50	42 41 43 45 49	52 52 72 110 128

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
105.74	126.63	GABBRO	105.50-105.74 - As above.	J4114	91.00	92.50	1.50	59	82
			J4115	92.50	94.00	1.50	65	155	
			J4116	94.00	95.50	1.50	58	142	
			J4117	95.50	97.00	1.50	53	148	
			J4118	97.00	98.50	1.50	58	159	
			J4119	98.50	100.00	1.50	59	144	
			J4120	100.00	101.50	1.50	60	151	
			J4121	101.50	103.00	1.50	56	121	
			J4122	103.00	104.00	1.00	61	161	
			J4123	104.00	105.50	1.50	27	62	
			J4039*	113.00	116.00	3.00	67	9	
			J4124	105.50	106.70	1.20	72	160	
			J4125	106.70	107.60	0.90	75	23	
			J4126	107.60	108.10	0.50	28	33	
			J4127	108.10	109.00	0.90	78	492	
			J4128	109.00	110.00	1.00	68	161	
			J4129	110.00	111.00	1.00	34	539	
			J4130	111.00	112.00	1.00	4	69	
			J4131	112.00	113.50	1.50	57	32	
J4132	113.50	115.00	1.50	82	31				
J4133	115.00	116.40	1.40	78	43				
J4134	116.40	117.20	0.80	81	472				
J4135	117.20	118.50	1.30	60	84				
J4136	118.50	119.50	1.00	48	77				
J4137	119.50	121.00	1.50	75	109				
J4138	121.00	121.78	0.78	24	63				
J4139	121.78	123.50	1.72	89	174				
J4140	123.50	125.00	1.50	73	29				
J4141	125.00	126.63	1.63	72	44				
126.63	130.47	QUARTZ-FELDSPAR PORPHYRY DYKE	Creamy white to grey, medium-grained porphyritic. Feldspars (plagioclase) up to 3 mm in silica-rich plagioclase-quartz matrix. Mafics <5% typically.	J4040*	127.00	130.00	3.00	21	7
130.47	132.04	PORPHYRITIC GABBRO	Dark green, medium-grained plagioclase-pyroxene phenocrysts up to 3 mm in pyroxene matrix (phenocrysts up to 15%) locally. Mineralized with 5-	J4041*	130.47	132.04	1.57	72	31



Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
			8% pyrite, pyrrhotite throughout as blebs and stringers.	J4142	130.47	132.04	1.57	78	49
132.04	132.61	LAMPROPHYRE DYKE	Hornblende-biotite-pyroxene-magnetite. Strongly magnetic. Contacts sharp at 80° to core axis.						
132.61	140.35	PORPHYRITIC GABBRO	Same as 80.00-105.74. Composition ranges from plagioclase porphyritic gabbro to regular gabbro with 5% plagioclase phenocrysts to finer grained pyroxenite. 132.90-133.70 - 15-20% pyrite, pyrrhotite blebs and stringers at metre-scale intervals.	J4042*	137.00	140.00	3.00	67	23
				J4143	132.61	133.00	0.39	114	74
				J4144	133.00	134.00	1.00	91	191
				J4145	134.00	135.00	1.00	79	28
				J4146	135.00	136.00	1.00	62	42
				J4147	136.00	137.00	1.00	53	54
				J4148	137.00	138.50	1.50	68	121
				J4149	138.50	140.35	1.85	71	37
140.35	150.50	GLOMEROPORPHYRITIC GABBRO	Same as 80.00-105.74.	J4043*	146.00	149.00	3.00	43	115
				J4150	140.35	141.40	1.05	76	51
				J4151	141.40	142.40	1.00	37	57
				J4152	142.40	143.00	0.60	77	195
				J4153	143.00	144.50	1.50	47	76
150.50	155.85	LEUCO-GABBRO	Light to dark green, medium-grained. Plagioclase 10-20% as equant grains mixed with pyroxene ± quartz matrix. Typical gabbro to leuco-gabbro. Lower contact sharp/intrusive at 60° to core axis. 1-2% pyrrhotite disseminated.	J4044*	150.00	153.00	3.00	49	56
155.85	157.00	GLOMEROPORPHYRITIC GABBRO	Same as 80.00-105.74. Lower contact gradational with fine-grained gabbro. 1-2% pyrrhotite disseminated.	J4045*	156.00	157.00	1.00	34	67
157.00	181.70	GABBRO	Dark green, medium-grained to coarse-grained. Mafic intrusive. Plagioclase-quartz-hornblende-pyroxenes as multi-phase intrusion intercalating fine-grained and coarse-grained units. Trace pyrrhotite. Lower contact sheared and sharp at 60° to core axis.	J4046*	170.00	173.00	3.00	109	96
181.70	193.50	PERIDOTITE	Dark green, medium to coarse-grained, talcose. Magnetic. Massive peridotite showing cumulate magnetite, olivine-pyroxene-hornblende and	J4047*	182.00	185.00	3.00	378	67

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
			altered equivalents. Serpentine weak, talcose locally and carbonatized. 1-2% pyrrhotite as irregular blebs. Lower contact sheared at 50° to core axis. 193.10-193.80 - Foliated-sheared section at 50° to core axis with 10-15% quartz-carbonate veins.						
193.50	199.67	GABBRO	Same as 157.00-181.70. Lower contact sharp at cumulate base of next unit at 50° to core axis. 199.40-199.67 - 2-3% pyrrhotite blebs.	J4048*	194.00	197.00	3.00	232	47
				J4154	199.00	199.67	0.67	455	349
199.67	209.00	PERIDOTITE	Same as 181.70-193.50. Transitional peridotite-gabbro below 203.00.	J4049*	206.00	209.00	3.00	262	100
	209.00	END OF HOLE							
			* Denotes Whole Rock Samples						

## WHOLE ROCK ANALYSIS

### MAJOR ELEMENTS

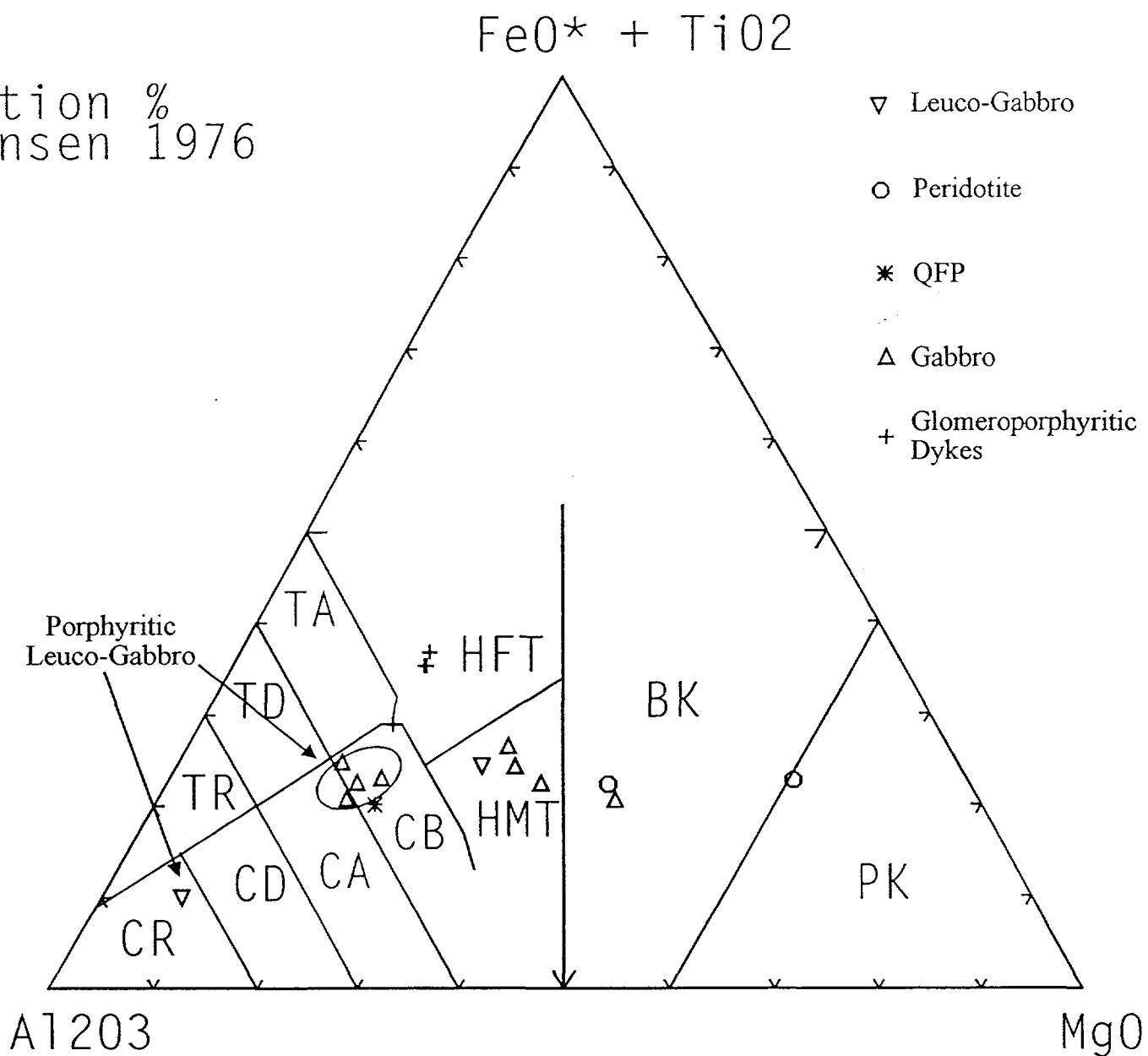
SAMPLE	LOCATION	ROCK TYPE	FROM	TO	LENGTH	NA2O	MGO	AL2O3	SI02	P2O5	K2O	CAO	TIO2	CR2O3	MNO	FE2O3	LOI	SUM
J4034	MAC96-11	Gabbro	56.00	59.00	3.00	2.17	3.89	16.10	54.50	0.12	0.10	9.20	0.40	0.01	0.13	8.22	2.55	97.50
J4035	MAC96-11	Gabbro	74.00	77.00	3.00	3.49	3.17	14.70	56.40	0.17	0.50	7.28	0.50	<0.01	0.27	9.19	1.50	97.20
J4036	MAC96-11	Gabbro	77.35	80.00	2.65	3.52	9.43	13.30	48.20	0.40	0.50	8.61	1.00	0.02	0.15	10.50	2.00	97.80
J4037	MAC96-11	Gabbro	89.00	92.00	3.00	1.78	4.73	14.10	44.90	0.12	0.10	12.10	1.80	0.01	0.32	16.50	0.50	97.10
J4038	MAC96-11	Gabbro	101.00	104.00	3.00	1.82	4.99	14.90	44.90	0.11	0.20	11.10	1.90	0.01	0.33	16.30	0.65	97.20
J4039	MAC96-11	Gabbro	113.00	116.00	3.00	3.38	4.06	16.10	54.50	0.10	0.30	7.51	0.30	0.01	0.22	9.41	2.20	98.20
J4040	MAC96-11	QFP	127.00	130.00	3.00	3.01	4.51	15.30	57.30	0.10	0.10	6.42	0.50	0.01	0.18	7.81	2.95	98.30
J4041	MAC96-11	Gabbro	130.47	132.04	1.57	2.62	5.02	17.00	50.60	0.10	0.30	8.28	0.50	0.01	0.24	10.50	2.75	97.90
J4042	MAC96-11	Gabbro	137.00	140.00	3.00	5.03	1.41	16.20	64.70	0.07	1.10	4.37	0.30	<0.01	0.04	2.78	1.45	97.50
J4043	MAC96-11	Gabbro	146.00	149.00	3.00	2.19	4.86	14.70	45.70	0.10	0.10	10.80	1.70	0.01	0.28	16.10	0.50	97.10
J4044	MAC96-11	Leuco-gabbro	150.00	153.00	3.00	2.15	7.36	14.10	49.70	0.05	0.10	10.50	0.80	0.01	0.30	11.00	1.50	97.60
J4045	MAC96-11	Gabbro	156.00	157.00	1.00	2.89	4.73	16.20	48.60	0.14	0.10	9.30	1.10	<0.01	0.24	13.00	0.95	97.40
J4046	MAC96-11	Gabbro	170.00	173.00	3.00	2.20	8.87	14.30	46.50	0.08	0.10	9.98	1.00	0.04	0.17	11.90	2.10	97.30
J4047	MAC96-11	Peridotite	182.00	185.00	3.00	0.39	22.20	7.82	41.10	0.08	0.10	4.17	0.60	0.26	0.18	16.00	6.35	99.20
J4048	MAC96-11	Gabbro	194.00	197.00	3.00	2.50	12.80	13.00	44.50	0.06	0.10	6.34	0.70	0.12	0.15	11.70	7.20	99.20
J4049	MAC96-11	Peridotite	206.00	209.00	3.00	2.02	13.00	13.20	44.40	0.10	0.10	7.22	0.80	0.08	0.17	12.60	3.90	97.60

### TRACE ELEMENTS

SAMPLE	LOCATION	ROCK TYPE	FROM	TO	LENGTH	RB	SR	Y	ZR	NB	BA	AU	Au	CHK	CU	NI
J4034	MAC06-11	Gabbro	56.00	59.00	3.00	<10	139	11	76	<10	93	8			28	78
J4035	MAC06-11	Gabbro	74.00	77.00	3.00	10	205	14	78	<10	160	18			28	50
J4036	MAC06-11	Gabbro	77.35	80.00	2.65	<10	495	24	113	<10	223	26			57	84
J4037	MAC06-11	Gabbro	89.00	92.00	3.00	<10	102	20	12	<10	136	14			52	42
J4038	MAC06-11	Gabbro	101.00	104.00	3.00	<10	117	18	<10	<10	171	6			52	41
J4039	MAC06-11	Gabbro	113.00	116.00	3.00	<10	202	-10	29	<10	175	4			9	67
J4040	MAC06-11	QFP	127.00	130.00	3.00	<10	197	13	66	12	86	30	20		7	21
J4041	MAC06-11	Gabbro	130.47	132.04	1.57	<10	263	10	64	<10	172	20			31	72
J4042	MAC06-11	Gabbro	137.00	140.00	3.00	20	349	10	64	<10	420	6			23	67
J4043	MAC06-11	Gabbro	146.00	149.00	3.00	<10	134	24	35	<10	222	4			115	43
J4044	MAC06-11	Leuco-gabbro	150.00	153.00	3.00	<10	181	19	32	<10	121	8			56	49
J4045	MAC06-11	Gabbro	156.00	157.00	1.00	<10	222	17	21	<10	127	10			67	34
J4046	MAC06-11	Gabbro	170.00	173.00	3.00	<10	132	12	<10	<10	127	6			96	109
J4047	MAC06-11	Peridotite	182.00	185.00	3.00	<10	30	12	77	<10	79	32			67	378
J4048	MAC06-11	Gabbro	194.00	197.00	3.00	<10	144	<10	47	<10	80	8			47	232
J4049	MAC06-11	Peridotite	206.00	209.00	3.00	<10	127	<10	45	<10	104	6			100	262

# Whole Rock Data MAC96-11

Cation %  
Jensen 1976



## TECK EXPLORATION LTD. DIAMOND DRILL LOG

Job <u>98424</u> N.T.S. <u>42 B/09</u> Property <u>Montcalm Adjacent Claims</u> Township <u>Montcalm Grid H East</u> Location: Line <u>84+00E</u> Station <u>8+00N</u> Elevation <u>300 m</u> UTM Easting <u>411666</u> Northing <u>5383370</u>	Objective <u>Testing PEM-MAG anomaly</u> Claim No. <u>1200539</u> Drilling Co. <u>Bradley Bros.</u> Commenced <u>March 03, 1996</u> Completed <u>March 04, 1996</u> Date Logged <u>March 05, 1996</u> Length <u>212.00 m</u>	Core Location <u>North Bay</u> Distance to Water <u>200 m</u> Casing <u>Left in hole</u> Core Size <u>NQ</u>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: left;">Tests</td> <td style="text-align: center;">Dip</td> <td style="text-align: center;">Azimuth</td> </tr> <tr> <td>At Collar</td> <td style="text-align: center;">-50°</td> <td style="text-align: center;">335°</td> </tr> <tr> <td style="text-align: center;">50 m</td> <td style="text-align: center;">-48°</td> <td style="text-align: center;">335°</td> </tr> <tr> <td style="text-align: center;">100 m</td> <td style="text-align: center;">-48°</td> <td style="text-align: center;">335°</td> </tr> <tr> <td style="text-align: center;">150 m</td> <td style="text-align: center;">-47°</td> <td style="text-align: center;">335°</td> </tr> <tr> <td style="text-align: center;">212 m</td> <td style="text-align: center;">-49°</td> <td style="text-align: center;">335°</td> </tr> </table>	Tests	Dip	Azimuth	At Collar	-50°	335°	50 m	-48°	335°	100 m	-48°	335°	150 m	-47°	335°	212 m	-49°	335°
Tests	Dip	Azimuth																			
At Collar	-50°	335°																			
50 m	-48°	335°																			
100 m	-48°	335°																			
150 m	-47°	335°																			
212 m	-49°	335°																			
Remarks <u>Conductive zone from 70.60-104.20, stringers of pyrite-pyrrhotite.</u>																					

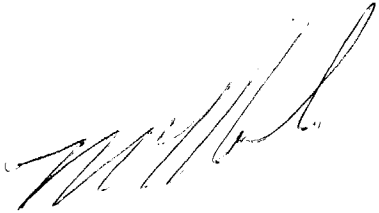
Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
			<u>Summary Log</u>						
			Assays - 36      Whole Rock - 13						
0.00	46.00	OB	CASING						
46.00	60.80	4c	GABBRO						
60.80	64.00	4b	PYROXENITE DYKE						
64.00	69.42	4c	GABBRO						
69.42	70.60	4b	PYROXENITE						
70.60	104.20	4c	GABBRO						
104.20	153.70	4b	PYROXENITE DYKE						
153.70	159.43	4c	GABBRO						
159.43	159.85	5c	LAMPROPHYRE DYKE						
159.85	161.55	4c	GABBRO						
161.55	161.80	5c	LAMPROPHYRE DYKE						
161.80	177.20	4c	GABBRO						
177.20	179.00	4d	LEUCO-GABBRO						
179.00	202.13	4c	GABBRO						
202.13	204.40	4b	PYROXENITE DYKE						
204.40	212.00	4c	GABBRO						
	212.00	EOH	END OF HOLE						

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
0.00	46.00	CASING							
46.00	60.80	GABBRO	Dark green, medium-grained, plagioclase (10-20%) in pyroxene dominant matrix. Weakly magnetic, locally plagioclase phyrlic, quartz locally 5-10%. Mineralized with 2-3% pyrrhotite-pyrite as irregular blebs and stringers 2 cm in size. Lower contact sharp at 75° to core axis. 53.80-60.00 - 5-7% pyrrhotite blebs and stringers.	J4057*	56.00	59.00	3.00	55	21
				J4159	52.00	53.00	1.00	54	25
				J4160	53.00	54.00	1.00	67	55
				J4161	54.00	55.00	1.00	91	108
				J4162	55.00	56.50	1.50	85	137
				J4163	56.50	58.00	1.50	88	85
				J4164	58.00	59.50	1.50	73	93
				J4165	59.50	60.80	1.30	60	30
60.80	64.00	PYROXENITE DYKE	Dark green, fine-grained, magnetic equigranular plagioclase <2%. Numerous millimetre-scale quartz-carbonate stringers or veinlets 5%. Barren. Trace sulphides. Lower contact sharp and irregular at 20° to core axis.	J4058*	62.00	64.00	2.00	48	68
64.00	69.42	GABBRO	Same as 46.00-60.80. Lower contact sharp at 70° to core axis. Uniformly mineralized with 2% pyrrhotite blebs and stringers.	J4059*	65.00	68.00	3.00	33	14
				J4166	64.00	65.50	1.50	68	61
				J4167	65.50	67.00	1.50	61	29
69.42	70.60	PYROXENITE	Same as 60.80-64.00. Up to 5-7% plagioclase mineralized with 1-2% blebs of pyrrhotite. Lower contact sharp and irregular at 60° to core axis.	J4060*	69.42	70.60	1.18	104	93
				J4168	67.00	68.50	1.50	75	120
				J4169	68.50	69.42	0.92	76	57
				J4170	69.42	70.60	1.18	103	96
70.60	104.20	GABBRO	Same as 46.00-60.80. Plagioclase up to 20% content as phenocrysts (1-3 mm) in medium-grained pyroxenite matrix. Plagioclase content decreases with depth to lower content (tops up hole). Sulphides up to 25% locally as cm-scale blebs and stringers throughout. 92.30-95.00 - 10% pyrrhotite + pyrite blebs and stringers (2 cm) in pyroxenite gabbro. 95.00-99.70 - 2-5% sulphides as blebs and disseminations. 99.70-101.20 - 10% pyrite, pyrrhotite blebs and disseminations. 101.20-103.80 - 2-4% sulphides.	J4061*	86.00	89.00	3.00	58	34
				J4062*	98.00	101.00	3.00	84	20
				J4171	70.60	72.00	1.40	79	59
				J4172	72.00	73.50	1.50	77	77
				J4173	73.50	75.00	1.50	63	15
				J4174	75.00	76.50	1.50	64	11
				J4175	76.50	78.00	1.50	68	48
				J4176	78.00	79.50	1.50	83	34
				J4177	83.00	84.50	1.50	67	53

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
104.20	153.70	PYROXENITE DYKE	103.80-104.20 - 10% pyrite, pyrrhotite blebs and stringers.	J4178	84.50	86.00	1.50	71	36
				J4179	86.00	87.50	1.50	73	84
				J4180	87.50	89.00	1.50	71	34
				J4181	89.00	90.50	1.50	65	14
				J4182	90.50	92.00	1.50	78	25
				J4183	92.00	93.00	1.00	85	215
				J4184	93.00	94.00	1.00	74	188
				J4185	94.00	95.00	1.00	68	42
				J4186	95.00	96.50	1.50	64	14
				J4187	96.50	98.00	1.50	81	19
				J4188	98.00	99.50	1.50	76	17
				J4189	99.50	101.00	1.50	79	227
				J4190	101.00	102.50	1.50	79	38
				J4191	102.50	103.80	1.30	129	74
153.70	159.43	GABBRO	116.30-117.00 - 2-7% pyrrhotite stringers.	J4069*	146.00	149.00	3.00	113	68
			120.90-122.00 - 2-3% pyrrhotite stringers and blebs.	J4070*	154.00	157.00	3.00	73	70
159.43	159.85	LAMPROPHYRE DYKE	Dark green, medium to coarse-grained, weakly magnetic. Pyroxene dominates with <10% plagioclase, hornblende - olivine (<5%). Possibly coarse-grained pyroxenitic gabbro. Lower contact sharp at 80° to core axis.						
159.85	161.55	GABBRO	Dark brown, biotitic - magnetic - amphiboles. Lower contact sharp at 80° to core axis.						
161.55	161.80	LAMPROPHYRE DYKE	Same as 153.70-159.43. Cross cut by a network of quartz-carbonate veinlets.						
161.80	177.20	GABBRO	Same as 159.43-161.55.						
177.20	179.00	LEUCO-GABBRO	Same as 161.80-177.20. Pyroxenitic composition.	J4071*	173.00	176.00	3.00	140	71
			Light green, medium-grained. Plagioclase 50% in pyroxenite ± hornblende matrix. Dyke habit with sharp contacts at 20° to core axis.	J4072*	178.00	179.00	1.00	166	47

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
179.00	202.13	GABBRO	Similar to 153.70-159.43. Ortho, clinopyroxenes, hornblende, <10% plagioclase, <5% quartz, 1-2% magnetite. Coarse-grained to pegmatitic. Lower contact sheared at 40° to core axis. Magnetic.	J4073*	197.00	200.00	3.00	105	70
202.13	204.40	PYROXENITE DYKE	Same as 104.20-153.70. 202.13-202.35 - Sericite-carbonate schist/alteration zone. 2% pyrite, pyrrhotite as fine disseminations. Lower contact sharp at 40° to core axis.	J4074*	203.00	204.00	1.00	238	103
204.40	212.00	GABBRO	Same as 153.70-159.43. Magnetic.	J4075*	209.00	212.00	3.00	86	78
	212.00	END OF HOLE							

\* Denotes Whole Rock Samples





## WHOLE ROCK ANALYSIS

### MAJOR ELEMENTS

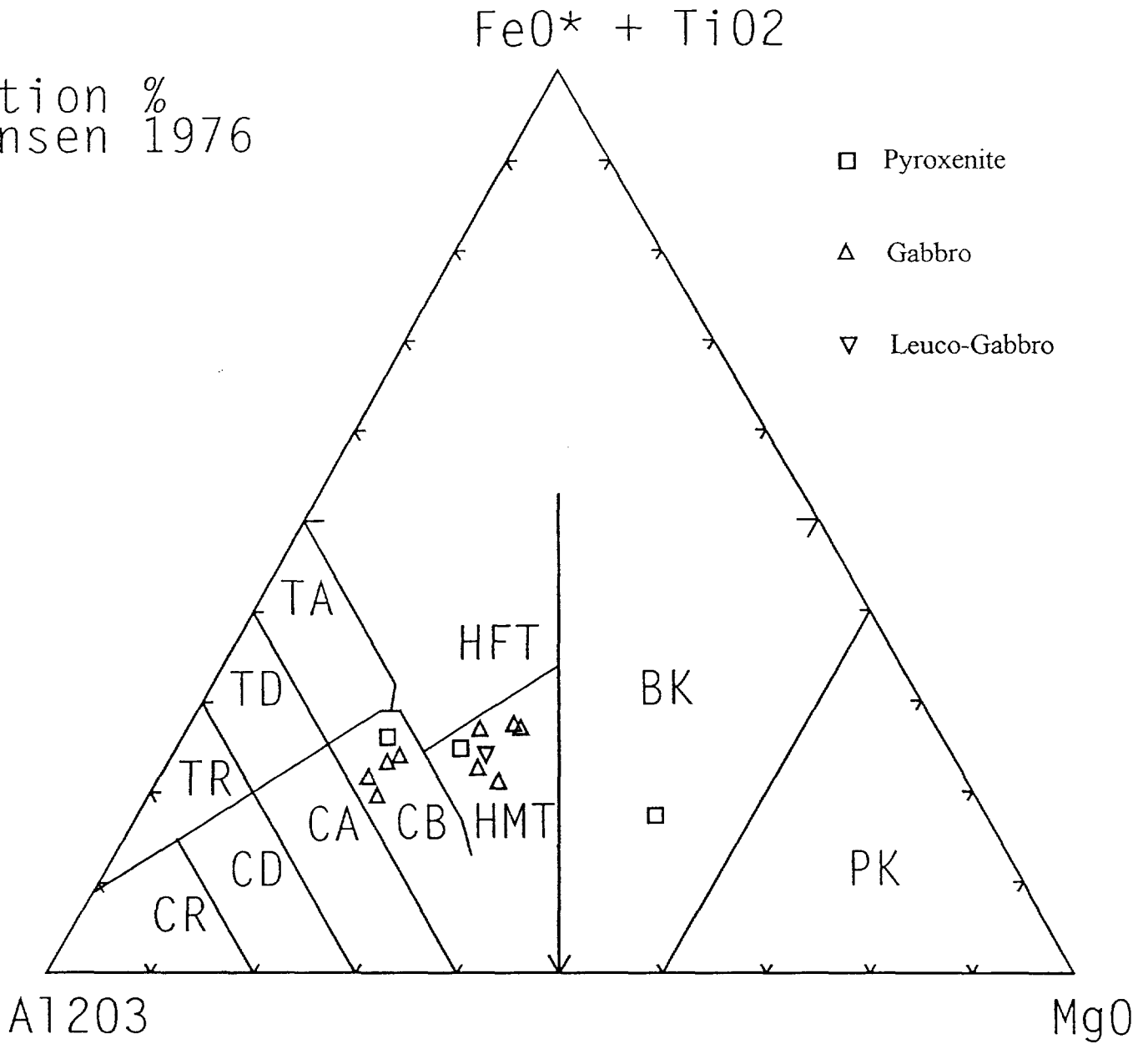
SAMPLE	LOCATION	ROCK TYPE	FROM	TO	LENGTH	NA2O	MGO	AL2O3	SiO2	P2O5	K2O	CAO	TiO2	CR2O3	MNO	FE2O3	LOI	SUM
J4057	MAC96-12	Gabbro	56.00	59.00	3.00	3.57	5.39	16.40	52.00	0.12	0.21	7.43	0.47	0.01	0.34	11.10	0.70	97.80
J4058	MAC96-12	Pyroxenite	62.00	64.00	2.00	2.88	5.19	17.50	47.80	0.28	0.18	9.46	0.89	<0.01	0.23	12.40	1.35	98.20
J4059	MAC96-12	Gabbro	65.00	68.00	3.00	3.4	5.04	16.60	55.30	0.12	0.22	6.95	0.54	0.01	0.16	8.30	0.85	97.50
J4060	MAC96-12	Pyroxenite	69.42	70.60	1.18	1.84	7.38	15.70	47.00	0.06	0.32	10.50	0.76	0.02	0.21	12.20	1.35	97.40
J4061	MAC96-12	Gabbro	86.00	89.00	3.00	3.81	4.73	17.00	54.00	0.10	0.41	6.17	0.49	<0.01	0.20	9.54	1.45	98.00
J4062	MAC96-12	Gabbro	98.00	101.00	3.00	3.73	4.93	16.10	50.50	0.09	0.22	7.02	0.48	<0.01	0.27	10.20	4.00	97.60
J4069	MAC96-12	Gabbro	146.00	149.00	3.00	1.86	8.83	13.70	45.80	0.10	0.09	9.34	1.04	0.03	0.19	13.50	3.45	98.00
J4070	MAC96-12	Gabbro	154.00	157.00	3.00	2.34	8.67	14.80	47.70	0.07	0.11	9.74	0.69	0.03	0.16	10.20	3.00	97.50
J4071	MAC96-12	Gabbro	173.00	176.00	3.00	2.29	7.93	15.20	43.90	0.09	0.07	9.88	0.94	0.03	0.16	10.70	7.80	99.00
J4072	MAC96-12	Leuco-gabbro	178.00	179.00	1.00	1.78	7.52	13.90	40.60	0.07	1.50	8.62	0.80	0.02	0.15	10.80	14.60	100.40
J4073	MAC96-12	Gabbro	197.00	200.00	3.00	1.88	7.94	15.40	45.20	0.16	0.12	9.86	1.36	0.02	0.18	13.40	2.85	98.40
J4074	MAC96-12	Pyroxenite	203.00	204.00	1.00	3.06	12.00	9.60	52.60	0.35	1.20	7.47	0.64	0.06	0.11	7.52	2.70	97.50
J4075	MAC96-12	Gabbro	209.00	212.00	3.00	1.58	8.19	13.20	45.30	0.12	0.14	10.90	1.26	0.03	0.20	12.80	3.65	97.40

### TRACE ELEMENTS

SAMPLE	LOCATION	ROCK TYPE	FROM	TO	LENGTH	RB	SR	Y	ZR	NB	BA	AU	Au	CHK	CU	NI
J4057	MAC96-12	Gabbro	56.00	59.00	3.00	<10	227	<10	53	<10	147	34			21	55
J4058	MAC96-12	Pyroxenite	62.00	64.00	2.00	<10	270	20	82	<10	191	28			68	48
J4059	MAC96-12	Gabbro	65.00	68.00	3.00	<10	252	10	46	<10	203	42			14	33
J4060	MAC96-12	Pyroxenite	69.42	70.60	1.18	11	143	21	56	<10	236	14	16		93	104
J4061	MAC96-12	Gabbro	86.00	89.00	3.00	10	238	<10	63	<10	204	20			34	58
J4062	MAC96-12	Gabbro	98.00	101.00	3.00	<10	169	<10	33	<10	190	54			20	84
J4069	MAC96-12	Gabbro	146.00	149.00	3.00	<10	127	19	23	<10	123	12			68	113
J4070	MAC96-12	Gabbro	154.00	157.00	3.00	<10	159	10	50	<10	83	10	12		70	73
J4071	MAC96-12	Gabbro	173.00	176.00	3.00	<10	148	15	38	<10	78	16			71	140
J4072	MAC96-12	Leuco-gabbro	178.00	179.00	1.00	20	127	15	59	<10	220	72			47	166
J4073	MAC96-12	Gabbro	197.00	200.00	3.00	<10	141	24	66	<10	121	10			70	105
J4074	MAC96-12	Pyroxenite	203.00	204.00	1.00	37	763	35	130	19	946	60			103	238
J4075	MAC96-12	Gabbro	209.00	212.00	3.00	<10	122	21	72	10	123	8			78	86

Whole Rock Data  
MAC96-12

Cation %  
Jensen 1976



## TECK EXPLORATION LTD. DIAMOND DRILL LOG

Job <u>98424</u> N.T.S. <u>42 B/09</u> Property <u>Montcalm Adjacent Claims</u> Township <u>Montcalm Grid "H-East"</u> Location: Line <u>78+00E</u> Station <u>9+75S</u> Elevation <u>300 m</u> UTM Easting <u>411755</u> Northing <u>5381480</u>	Objective <u>Testing HLEM PEM anomaly</u> Claim No. <u>1200540</u> Drilling Co. <u>Bradley Bros.</u> Commenced <u>March 05, 1996</u> Completed <u>March 08, 1996</u> Date Logged <u>March 09, 1996</u> Length <u>215.00 m</u>	Core Location <u>North Bay</u> Distance to Water <u>500 m</u> Casing <u>Left in hole</u> Core Size <u>NQ</u>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: left;">Tests</td> <td style="text-align: center;">Dip</td> <td style="text-align: center;">Azimuth</td> </tr> <tr> <td>At Collar</td> <td style="text-align: center;">-50°</td> <td style="text-align: center;">335°</td> </tr> <tr> <td style="text-align: center;">50 m</td> <td style="text-align: center;">-47°</td> <td style="text-align: center;">335°</td> </tr> <tr> <td style="text-align: center;">100 m</td> <td style="text-align: center;">-44°</td> <td style="text-align: center;">335°</td> </tr> <tr> <td style="text-align: center;">152 m</td> <td style="text-align: center;">-46°</td> <td style="text-align: center;">335°</td> </tr> <tr> <td style="text-align: center;">200 m</td> <td style="text-align: center;">-43°</td> <td style="text-align: center;">335°</td> </tr> </table>	Tests	Dip	Azimuth	At Collar	-50°	335°	50 m	-47°	335°	100 m	-44°	335°	152 m	-46°	335°	200 m	-43°	335°
Tests	Dip	Azimuth																			
At Collar	-50°	335°																			
50 m	-47°	335°																			
100 m	-44°	335°																			
152 m	-46°	335°																			
200 m	-43°	335°																			
Remarks <u>No observed conductive zone.</u>																					

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
			<u>Summary Log</u>						
			Assays - 4                  Whole Rock - 14						
0.00	4.00	OB	CASING						
4.00	4.50	6d	GRANODIORITE DYKE						
4.50	9.70	1d	MAFIC VOLCANIC						
9.70	10.70	6b	QUARTZ FELDSPAR PORPHYRY						
10.70	31.00	1d	MAFIC VOLCANIC						
31.00	43.45	4c	GABBRO						
43.45	53.95	1d, f	MAFIC VOLCANIC						
53.95	54.40	6b	QUARTZ-FELDSPAR PORPHYRY DYKE						
54.40	101.20	1d, f	VARIOLITIC MAFIC VOLCANIC						
101.20	103.04	6d	GRANODIORITE DYKE						
103.04	111.30	1d	MAFIC VOLCANIC						
111.30	199.00	4c	GABBRO/DIORITE						
199.00	211.70	1d	MAFIC VOLCANIC						
211.70	212.86	4g	PORPHYRITIC GABBRO						
212.86	215.00	1d	MAFIC VOLCANIC						
	215.00	EOH	END OF HOLE						

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
0.00	4.00	CASING							
4.00	4.50	GRANODIORITE DYKE	Light grey, medium-grained porphyritic with phenocrysts of plagioclase and k-feldspar up to 5 mm in a groundmass of plagioclase-quartz-pyroxene-biotite ± hornblende. Lower contact sharp at 25° to core axis.	J4076*	4.00	4.50	0.50	10	26
4.50	9.70	MAFIC VOLCANIC	Dark green to black, fine-grained, aphanitic. Biotitic-amphibolitized - massive. Structureless. Lower contact sharp at 5° to core axis.	J4077*	8.00	9.70	1.70	21	14
9.70	10.70	QUARTZ-FELDSPAR PORPHYRY	Light grey, medium-grained, siliceous. Cryptocrystalline with phenocrysts of quartz, plagioclase 2-5 mm. Mineralized with 2% pyrite. Lower contact sharp at 70° to core axis.	J4078*	9.70	10.70	1.00	6	33
10.70	31.00	MAFIC VOLCANIC	Same as 4.50-9.70. Cross cut by dykes of granodiorite, quartz-feldspar porphyry and gabbro. Epidotized sections associated with intrusive contacts. 11.45-11.51 - Granodiorite dykelet at 80° to core axis (same as 4.00-4.50). 13.20 - Boudinaged granodiorite dyke at 30° to core axis - 1 cm wide. 13.68 - 2 cm wide epidotized quartz-feldspar porphyry dykelet. 15.20-16.34 - Gabbro dyke at 60° to core axis. 16.80-17.10 - Epidotized quartz-feldspar porphyry dykelet. Altered contacts. 21.04-21.20 - Granitic dyke, pinkish orange. 24.30-24.53 - Granitic dykes at 70° to core axis.	J4079*	26.00	29.00	3.00	24	55
31.00	43.45	GABBRO	Dark green to black, medium-grained plagioclase <10% in pyroxenite matrix. Weakly magnetic. <2% pyrite disseminations. Lower contact chilled at 45° to core axis.	J4080*	39.00	41.00	2.00	55	67
43.45	53.95	MAFIC VOLCANIC	Similar to 4.50-9.70. Variolitic locally with relic varioles up to 3 mm in size concentrated at flow tops (tops up hole). Lower contact sharp at 60° to core axis, sheared. Deformation moderate to locally intense at 60° to core axis. Varioles show aspect ratios of up to 3:1. Foliation at 60° to core axis. Metamorphism epidote-biotite-amphibole (lower amphibolite).	J0481*	47.00	50.00	3.00	47	80

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
53.95	54.40	QUARTZ-FELDSPAR PORPHYRY DYKE	Pinkish grey, cryptocrystalline siliceous, sericitized with phenocrysts of plagioclase up to 3 mm in size. 1-2% pyrite disseminations. Contacts sheared, sericitized and foliated at 60° to core axis.						
54.40	101.20	VARIOLITIC MAFIC VOLCANIC	Same as 43.50-53.95. Moderately to strongly foliated at 60° to core axis. 58.60 - 0.5 cm wide quartz-carbonate veinlet with 5% pyrite, pyrrhotite at 40° to core axis. Possibly pillow selvage. 59.70 - Concentration of varioles at flow contact at 35° to core axis. Tops up hole. 65.70-65.80 - Quartz-carbonate breccia, 2% pyrite. 77.00 - Strongly deformed co-axial shortening at 45° to core axis. Flattened pillow selvages. Biotitic. 89.20-89.35 - Granitic dyke (similar to 4.0-4.5 m). 96.50-97.20 - Epidotized section. Saussurite. Lower contact sharp at 60° to core axis. 99.85-100.14 - Granodiorite dykelet at 60° to core axis.	J4082* J4083*	62.00 83.00	65.00 86.00	3.00 3.00	22 20	240 75
101.20	103.04	GRANODIORITE DYKE	Same as 4.00-4.50. Contacts are epidotized 2-5 cm from dyke.						
103.04	111.30	MAFIC VOLCANIC	Same as 54.40-101.2. 1-2% pyrrhotite at lower contact. Lower contact epidotized from 111.0-111.30.						
111.30	199.00	GABBRO/DIORITE	Dark green to black, magnetic. Fine to medium-grained, uniform, massive, chilled contacts. Similar to 31.00-43.45. Mafics - pyroxene-hornblende-magnetite, plagioclase <30%, quartz 5%. Weakly to undeformed. Lower contact poorly defined (blocky zone). 111.30-113.00 - Contact zone - fine-grained. 112.04-113.00 - Feldspar porphyritic felsic dyke at 40° to core axis. 183.80 - Conductive fault/shear 0.5 cm wide at 45° to core axis. 199.70-200.00 - <2% pyrite in late quartz veins variably oriented.	J4084* J4085* J4086*	116.00 143.00 182.00	119.00 146.00 185.00	3.00 3.00 3.00	153 159 160	138 140 136
199.00	211.70	MAFIC VOLCANIC	Dark green, fine-grained, massive, weakly magnetic. Foliated penetratively at 55° to core axis. 199.00-203.00 - <2% pyrite very finely disseminated and in cross cutting	J4087* J4443	200.00 199.00	203.00 200.00	3.00 1.00	24 30	244 84

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
			quartz-carbonate veinlets.	J4444	200.00	201.00	1.00	5	120
			204.58-205.00 - Silicified shear zone at 60° to core axis. 2% pyrite.	J4445	201.00	202.00	1.00	25	239
				J4446	202.00	203.00	1.00	17	393
211.70	212.86	PORPHYRITIC GABBRO	Dark grey-green to dark green, 10% plagioclase phenocrysts. Contacts sharp at 60° to core axis.	J4088*	211.70	212.86	1.16	63	31
212.86	215.00	MAFIC VOLCANIC	Same as 199.00-211.70. No mineralization.	J4089*	213.00	215.00	2.00	26	87
	215.00	END OF HOLE							
			* Denotes Whole Rock Samples						

## WHOLE ROCK ANALYSIS

### MAJOR ELEMENTS

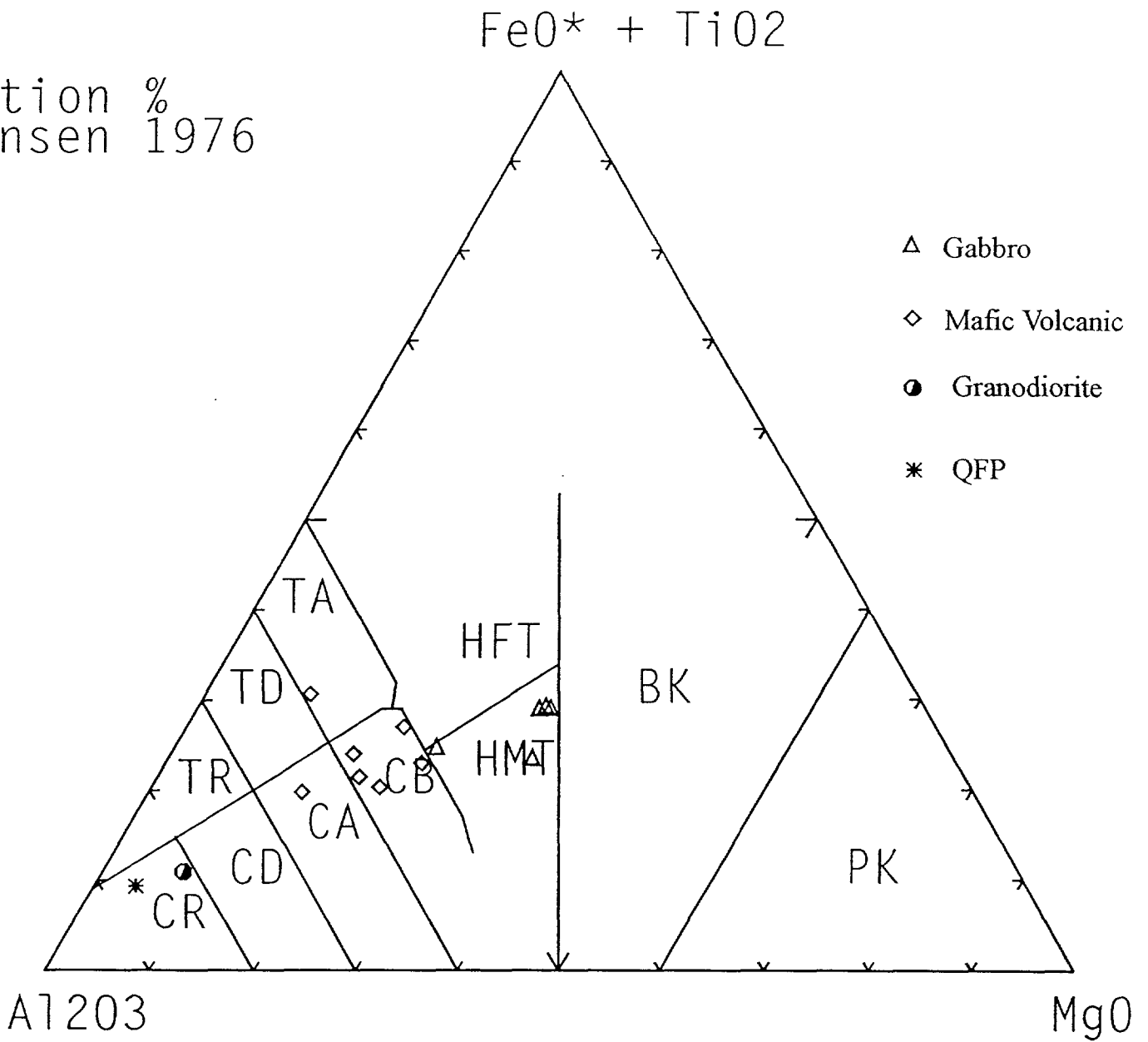
SAMPLE	LOCATION	ROCK TYPE	FROM	TO	LENGTH	NA2O	MGO	AL2O3	SI02	P2O5	K2O	CAO	TIO2	CR2O3	MNO	FE2O3	LOI	SUM
J4076	MAC96-13	Granodiorite	4.00	4.50	0.50	4.86	1.16	15.40	67.80	0.12	1.99	3.02	0.35	<0.01	0.04	2.93	0.80	98.70
J4077	MAC96-13	Mafic Volcanic	8.00	9.70	1.70	3.63	2.81	15.70	59.20	0.13	1.81	5.60	0.67	<0.01	0.11	6.78	1.00	97.60
J4078	MAC96-13	QFP	9.70	10.70	1.00	5.09	0.56	15.30	68.50	0.08	1.86	2.69	0.25	<0.01	0.06	2.36	1.00	97.90
J4079	MAC96-13	Mafic Volcanic	26.00	29.00	3.00	3.66	4.82	15.80	55.10	0.16	0.55	8.12	0.67	0.01	0.13	8.10	0.55	97.70
J4080	MAC96-13	Gabbro	39.00	41.00	2.00	2.48	6.08	15.00	51.80	0.13	0.66	8.45	0.86	0.02	0.17	10.90	0.80	97.40
J4081	MAC96-13	Mafic Volcanic	47.00	50.00	3.00	3.41	3.97	15.10	59.40	0.15	1.89	4.24	0.67	<0.01	0.11	7.95	1.25	98.30
J4082	MAC96-13	Mafic Volcanic	62.00	65.00	3.00	3.34	4.49	13.90	55.70	0.16	0.81	6.81	0.65	<0.01	0.12	10.70	1.75	98.50
J4083	MAC96-13	Mafic Volcanic	83.00	86.00	3.00	3.99	5.79	15.30	52.60	0.16	0.62	7.52	0.82	0.01	0.15	9.81	0.70	97.50
J4084	MAC96-13	Gabbro/Diorite	116.00	119.00	3.00	2.97	8.13	11.50	50.40	0.19	0.82	8.73	1.20	0.04	0.17	12.80	1.20	98.20
J4085	MAC96-13	Gabbro/Diorite	143.00	146.00	3.00	2.98	8.38	11.40	50.20	0.18	1.01	8.58	1.23	0.05	0.17	13.10	1.35	98.70
J4086	MAC96-13	Gabbro/Diorite	182.00	185.00	3.00	3	8.46	11.20	49.80	0.18	0.96	8.51	1.22	0.04	0.17	12.90	1.55	98.10
J4087	MAC96-13	Mafic Volcanic	200.00	203.00	3.00	3.6	1.92	14.10	58.90	0.25	0.49	5.56	0.68	<0.01	0.13	10.80	1.65	98.20
J4088	MAC96-13	Gabbro	211.70	212.86	1.16	3.15	8.34	12.10	52.40	0.18	0.90	8.74	0.97	0.03	0.14	10.00	0.60	97.70
J4089	MAC96-13	Mafic Volcanic	213.00	215.00	2.00	3.89	3.74	15.50	55.10	0.21	0.99	7.62	0.94	<0.01	0.10	9.10	0.65	98.00

### TRACE ELEMENTS

SAMPLE	LOCATION	ROCK TYPE	FROM	TO	LENGTH	RB	SR	Y	ZR	NB	BA	AU	AuJ	CHK	CU	NI
J4076	MAC96-13	Granodiorite	4.00	4.50	0.50	52	694	18	184	10	698	4			26	10
J4077	MAC96-13	Mafic Volcanic	8.00	9.70	1.70	39	347	20	155	<10	575	12			14	21
J4078	MAC96-13	QFP	9.70	10.70	1.00	45	447	20	183	14	694	4			33	6
J4079	MAC96-13	Mafic Volcanic	26.00	29.00	3.00	<10	264	13	56	<10	225	6			55	24
J4080	MAC96-13	Gabbro	39.00	41.00	2.00	<10	186	17	65	<10	163	30			67	55
J4081	MAC96-13	Mafic Volcanic	47.00	50.00	3.00	32	173	13	139	12	650	36			80	47
J4082	MAC96-13	Mafic Volcanic	62.00	65.00	3.00	13	81	13	75	<10	248	122	104		240	22
J4083	MAC96-13	Mafic Volcanic	83.00	86.00	3.00	<10	156	14	78	<10	285	28			75	20
J4084	MAC96-13	Gabbro/Diorite	116.00	119.00	3.00	12	336	19	128	<10	342	80			138	153
J4085	MAC96-13	Gabbro/Diorite	143.00	146.00	3.00	24	397	15	129	<10	454	44			140	159
J4086	MAC96-13	Gabbro/Diorite	182.00	185.00	3.00	15	385	17	135	<10	403	86	98		136	160
J4087	MAC96-13	Mafic Volcanic	200.00	203.00	3.00	<10	321	29	176	<10	209	60			244	24
J4088	MAC96-13	Gabbro	211.70	212.86	1.16	20	417	24	89	11	315	36			31	63
J4089	MAC96-13	Mafic Volcanic	213.00	215.00	2.00	11	353	18	119	<10	431	12			87	26

Whole Rock Data  
MAC96-13

Cation %  
Jensen 1976





## TECK EXPLORATION LTD. DIAMOND DRILL LOG

Job <u>98424</u> <u>N.T.S.</u> <u>42 B/09</u> Property <u>Montcalm Adjacent Claims</u> Township <u>Strachen Grid F-G</u> Location: Line <u>15E</u> Station <u>3+50S</u> Elevation <u>300 m</u> UTM Easting <u>415266</u> Northing <u>5380915</u>	Objective <u>Testing MAX-MIN-TEM anomaly</u> Claim No. <u>1200537</u> Drilling Co. <u>Bradley Bros.</u> Commenced <u>March 11, 1996</u> Completed <u>March 15, 1996</u> Date Logged <u>March 16, 1996</u> Length <u>200.00 m</u>	Core Location <u>North Bay</u> Distance to Water <u>200 m</u> Casing <u>Left in hole</u> Core Size <u>NQ</u>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Tests</td> <td style="text-align: center;">Dip</td> <td style="text-align: center;">Azimuth</td> </tr> <tr> <td style="text-align: center;">At Collar</td> <td style="text-align: center;"><u>-50°</u></td> <td style="text-align: center;"><u>360°</u></td> </tr> <tr> <td style="text-align: center;"><u>200 m</u></td> <td style="text-align: center;"><u>-48°</u></td> <td style="text-align: center;"><u>360°</u></td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	Tests	Dip	Azimuth	At Collar	<u>-50°</u>	<u>360°</u>	<u>200 m</u>	<u>-48°</u>	<u>360°</u>												
Tests	Dip	Azimuth																						
At Collar	<u>-50°</u>	<u>360°</u>																						
<u>200 m</u>	<u>-48°</u>	<u>360°</u>																						
Remarks <u>No definite conductor - minor 5% pyrite-pyrrhotite at 64.00-70.00 metres.</u>																								

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
<u>Summary Log</u>									
			Assays - 4                      Whole Rock - 13						
0.00	28.00	OB	CASING						
28.00	37.77	4d	LEUCO-GABBRO						
37.77	38.90	qV	QUARTZ VEIN ZONE						
38.90	40.10	6b	QUARTZ FELDSPAR PORPHYRY DYKE						
40.10	48.34	4b	PYROXENITE DYKE						
48.34	157.62	4d	GABBRO TO LEUCO-GABBRO						
157.62	176.00	4c	GABBRO						
176.00	187.00	4d	GABBRO TO LEUCO-GABBRO						
187.00	200.00	4b	MAFIC/PYROXENITE DYKE						
	200.00	EOH	END OF HOLE						

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
0.00	28.00	CASING							
28.00	37.77	LEUCO-GABBRO	Light green, medium-grained equigranular 1-2 mm sized crystals of plagioclase-pyroxene-hornblende. Plagioclase up to 40% locally giving rock diabasic appearance. Lower contact sharp at 40° to core axis.	J4050*	28.00	31.00	3.00	32	51
37.77	38.90	QUARTZ VEIN ZONE	Greyish white, smoky quartz cutting gabbro at 40° to core axis. Mineralized with 2-3% pyrite with magnetite.						
38.90	40.10	QUARTZ-FELDSPAR PORPHYRY DYKE	Beige to greyish, siliceous with plagioclase and quartz phenocrysts up to 3 mm in size in a cryptocrystalline matrix. 1-2% pyrite disseminations. Lower contact sharp at 20° to core axis.	J4051*	39.00	40.00	1.00	11	17
40.10	48.34	PYROXENITE DYKE	Dark green, fine to medium-grained plagioclase <2%, weakly magnetic. Lower contact sharp at 40° to core axis.	J4052*	41.00	44.00	3.00	66	44
48.34	157.62	GABBRO TO LEUCO-GABBRO	Light green, medium-grained. Similar to 28.00-37.77 with 10-20% plagioclase. Quartz locally prevalent. Pyroxene dominant with minor hornblende. Mafic to felsic mini-cycles common on metre-scale (tops down hole). Cross cut by metre-scale basaltic/pyroxenite dykes may be volcanic inclusions.	J4053* J4054* J4055* J4056*	59.00 89.00 107.00 121.00	62.00 92.00 110.00 123.00	3.00 3.00 3.00 2.00	7 17 10 5	29 29 54 21
			64.00-70.00 - Pyroxenite at 64.00 grading to gabbro at 65.00-70.00. Mineralized with up to 3-5% pyrrhotite.	J4155 J4156	64.00 65.50	65.50 67.00	1.50 1.50	100 104	56 68
			92.10-92.90 - Basaltic/pyroxenite contacts sharp at 30° to core axis. Magnetic, fine-grained.	J4157 J4158	67.00 68.50	68.50 70.00	1.50 1.50	60 53	72 59
			120.40-123.10 - Mafic dyke (pyroxenite). Magnetic, mineralized with 2% pyrrhotite fine disseminations.	J4063*	137.00	140.00	3.00	12	41
			125.90-129.60 - Fine-grained mafic/pyroxenite dykes.	J4064*	155.00	156.50	1.50	38	46
			135.82-136.75 - As above.						
			148.40-149.27 - As above.						
			149.80-150.00 - Weakly conductive peridotite dyke at 30° to core axis.						
			153.70-154.00 - Fine-grained mafic/pyroxenite dykes.						
			154.30-156.60 - As above. 40° to core axis.						
157.62	176.00	GABBRO	Medium-grained, dark green to black plagioclase <10% overall more mafic than previous unit. Pyroxene dominant ± hornblende, plagioclase. Cross cut by Mg-tholeiitic dykes, fine-grained basaltic to pyroxenitic in composition showing sharp contacts with host gabbro.	J4065* J4066*	164.00 169.00	167.00 171.00	3.00 2.00	55 44	65 48

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
			164.00-176.00 - <2% pyrite ± pyrrhotite disseminations. 168.00-171.35 - Glomeroporphyritic gabbro dykelet - zoned plagioclase phenocrysts 2-3 mm. 2-3% in pyroxene-hornblende matrix. 174.60-176.00 - Mafic/pyroxenite fine-grained dyke. Lower contact at 50° to core axis.						
176.00	187.00	GABBRO TO LEUCO-GABBRO	Same as 48.34-157.62. Plagioclase up to 25% locally. Lower contact sharp at 40° to core axis. 179.45-179.65 - Basaltic dyke at 40° to core axis.	J4067*	176.00	179.00	3.00	26	58
				J4068*	197.00	200.00	3.00	46	83
187.00	200.00	MAFIC/PYROXENITE DYKE	Dark green, fine-grained, massive, weakly magnetic. Pyroxene-hornblende-plagioclase. Plagioclase 10-15% locally. Trace pyrite.						
	200.00	END OF HOLE							
			* Denotes Whole Rock Samples						

## WHOLE ROCK ANALYSIS

### MAJOR ELEMENTS

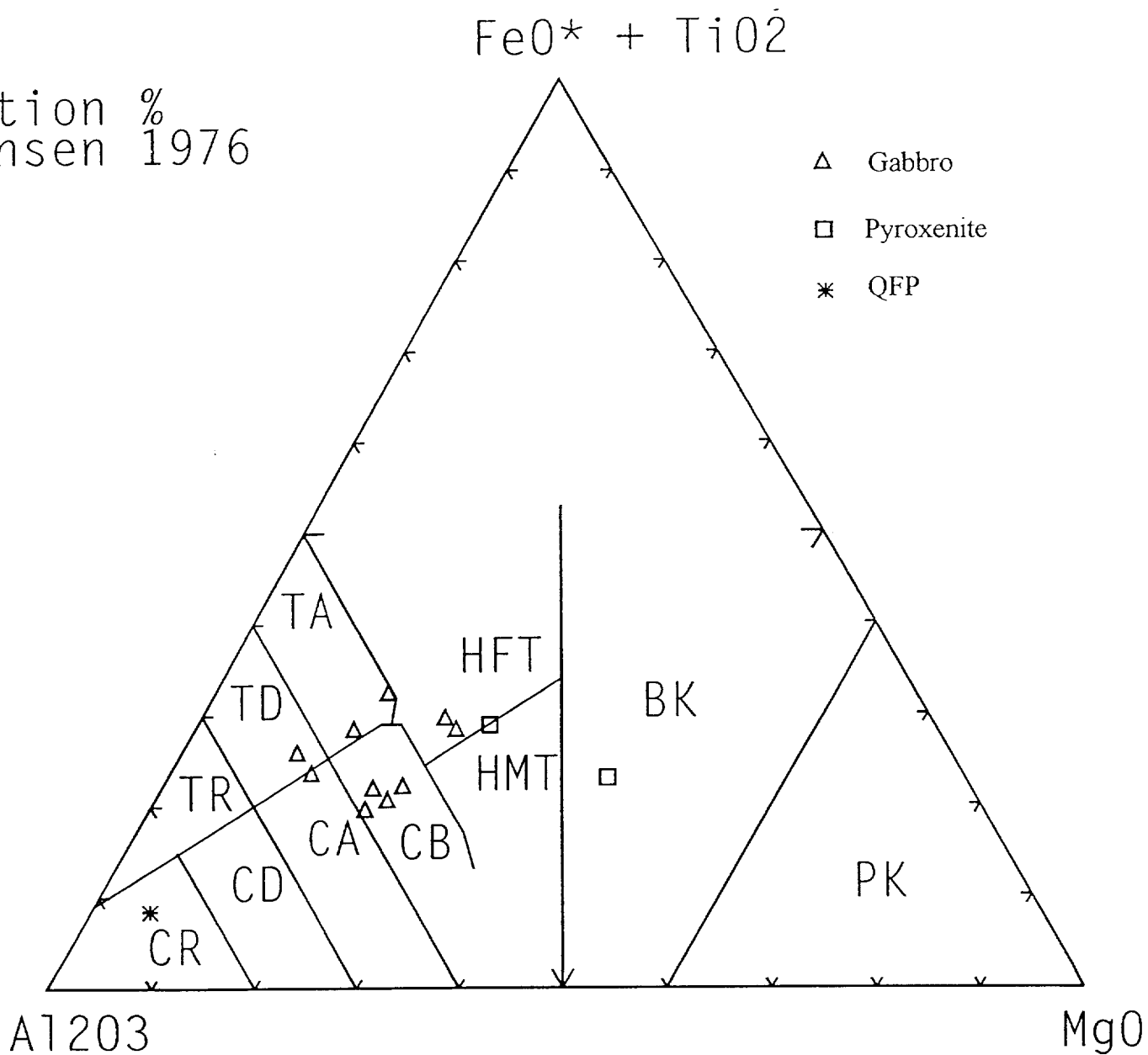
SAMPLE	LOCATION	ROCK TYPE	FROM	TO	LENGTH	NA2O	MGO	AL2O3	SIO2	P2O5	K2O	CAO	TIO2	CR2O3	MNO	FE2O3	LOI	SUM
J4050	MAC96-14	Leuco-gabbro	28.00	31.00	3.00	2.05	13.10	13.30	44.70	0.10	0.10	7.35	0.76	0.08	0.18	12.70	3.70	98.20
J4051	MAC96-14	QFP	39.00	40.00	1.00	6.09	0.85	16.20	64.20	0.07	0.57	3.69	0.24	-0.01	0.03	2.26	0.70	95.00
J4052	MAC96-14	Pyroxenite	41.00	44.00	3.00	2.78	7.31	13.70	49.20	0.16	0.25	8.25	1.28	0.03	0.19	13.30	0.60	97.10
J4053	MAC96-14	Gabbro	59.00	62.00	3.00	3.57	3.97	18.00	46.60	0.81	0.32	9.26	2.21	-0.01	0.17	12.20	0.65	97.80
J4054	MAC96-14	Gabbro	89.00	92.00	3.00	3.46	5.13	18.00	48.40	0.20	0.43	9.99	1.00	-0.01	0.15	9.83	0.40	97.10
J4055	MAC96-14	Gabbro	107.00	110.00	3.00	3.30	4.32	16.30	44.70	1.09	0.66	9.34	2.96	-0.01	0.19	13.50	0.25	96.70
J4056	MAC96-14	Gabbro	121.00	123.00	2.00	4.52	2.79	16.00	57.70	0.20	0.54	6.61	0.93	-0.01	0.12	8.59	0.50	98.60
J4063	MAC96-14	Gabbro	137.00	140.00	3.00	4.31	2.66	18.80	49.20	0.45	0.47	8.41	1.37	-0.01	0.18	10.80	1.10	97.80
J4064	MAC96-14	Gabbro	155.00	156.50	1.50	3.78	4.49	16.00	55.70	0.14	0.48	7.87	0.68	-0.01	0.11	7.66	0.50	97.50
J4065	MAC96-14	Gabbro	164.00	167.00	3.00	2.42	6.68	15.20	47.90	0.19	0.16	8.74	1.50	0.01	0.19	13.30	0.80	97.10
J4066	MAC96-14	Gabbro	169.00	171.00	2.00	3.37	5.31	15.60	52.80	0.16	0.60	8.26	0.83	-0.01	0.13	9.20	0.65	97.00
J4067	MAC96-14	Gabbro	176.00	179.00	3.00	2.68	6.26	15.40	47.20	0.24	0.36	9.28	1.67	0.01	0.20	13.80	0.30	97.50
J4068	MAC96-14	Gabbro	197.00	200.00	3.00	3.27	4.98	15.70	54.20	0.11	0.61	8.28	0.78	-0.01	0.11	8.23	0.60	96.90

### TRACE ELEMENTS

SAMPLE	LOCATION	ROCK TYPE	FROM	TO	LENGTH	RB	SR	Y	ZR	NB	BA	AU	Au	CHK	CU	NI
J4050	MAC96-14	Leuco-gabbro	28.00	31.00	3.00	-10	136	14	56	-10	90	10		12	51	32
J4051	MAC96-14	QFP	39.00	40.00	1.00	32	487	17	114	10	347	4			17	11
J4052	MAC96-14	Pyroxenite	41.00	44.00	3.00	-10	168	24	99	-10	156	4			44	66
J4053	MAC96-14	Gabbro	59.00	62.00	3.00	-10	344	17	39	-10	181	2			29	7
J4054	MAC96-14	Gabbro	89.00	92.00	3.00	-10	311	-10	22	-10	218	4			29	17
J4055	MAC96-14	Gabbro	107.00	110.00	3.00	12	285	17	13	-10	232	6			54	10
J4056	MAC96-14	Gabbro	121.00	123.00	2.00	16	325	27	155	10	268	28			21	5
J4063	MAC96-14	Gabbro	137.00	140.00	3.00	-10	372	-10	26	-10	218	12			41	12
J4064	MAC96-14	Gabbro	155.00	156.50	1.50	-10	267	17	107	-10	193	8			46	38
J4065	MAC96-14	Gabbro	164.00	167.00	3.00	-10	243	-10	31	-10	114	4			65	55
J4066	MAC96-14	Gabbro	169.00	171.00	2.00	15	307	12	96	-10	218	16			48	44
J4067	MAC96-14	Gabbro	176.00	179.00	3.00	-10	251	12	-10	-10	212	28			58	26
J4068	MAC96-14	Gabbro	197.00	200.00	3.00	18	276	14	96	-10	253	18			83	46

Whole Rock Data  
MAC96-14

Cation %  
Jensen 1976



## TECK EXPLORATION LTD. DIAMOND DRILL LOG

Job <u>98424</u> N.T.S. <u>42 B/09</u> Property <u>Montcalm Adjacent Claims</u> Township <u>Montcalm Grid F-G</u> Location: Line <u>7+00E</u> Station <u>16+50N</u> Elevation <u>300 m</u> UTM Easting <u>414526</u> Northing <u>5383023</u>	Objective <u>Testing MAX-MIN-TEM anomaly</u> Claim No. <u>1200533</u> Drilling Co. <u>Bradley Bros.</u> Commenced <u>March 15, 1996</u> Completed <u>March 18, 1996</u> Date Logged <u>March 19, 1996</u> Length <u>227.20 m</u>	Core Location <u>North Bay</u> Distance to Water <u>300 m</u> Casing <u>Left in hole</u> Core Size <u>NQ</u>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: left;">Tests</td> <td style="text-align: center;">Dip</td> <td style="text-align: center;">Azimuth</td> </tr> <tr> <td>At Collar</td> <td style="text-align: center;"><u>-50°</u></td> <td style="text-align: center;"><u>360°</u></td> </tr> <tr> <td><u>50 m</u></td> <td style="text-align: center;"><u>-49°</u></td> <td style="text-align: center;"><u>360°</u></td> </tr> <tr> <td><u>150 m</u></td> <td style="text-align: center;"><u>-47°</u></td> <td style="text-align: center;"><u>360°</u></td> </tr> <tr> <td><u>200 m</u></td> <td style="text-align: center;"><u>-48°</u></td> <td style="text-align: center;"><u>360°</u></td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	Tests	Dip	Azimuth	At Collar	<u>-50°</u>	<u>360°</u>	<u>50 m</u>	<u>-49°</u>	<u>360°</u>	<u>150 m</u>	<u>-47°</u>	<u>360°</u>	<u>200 m</u>	<u>-48°</u>	<u>360°</u>						
Tests	Dip	Azimuth																						
At Collar	<u>-50°</u>	<u>360°</u>																						
<u>50 m</u>	<u>-49°</u>	<u>360°</u>																						
<u>150 m</u>	<u>-47°</u>	<u>360°</u>																						
<u>200 m</u>	<u>-48°</u>	<u>360°</u>																						
Remarks <u>Possible conductive sources at 179.00-179.15 chlorite schist and at 216.00-218.30 2-3% pyrrhotite disseminations.</u>																								

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
			<u>Summary Log</u>						
			Assays - 2            Whole Rock - 11						
0.00	26.00	OB	CASING						
26.00	59.85	4a	PERIDOTITE						
59.85	60.70	5c	LAMPROPHYRE DYKE						
60.70	67.45	4a	PERIDOTITE/PYROXENITE						
67.45	75.20	6c	TONALITE						
75.20	151.66	4c	PYROXENITE GABBRO						
151.66	152.68	5c	LAMPROPHYRE DYKE						
152.68	177.68	4c	PYROXENITE GABBRO						
177.68	179.93	5c	LAMPROPHYRE DYKE ZONE						
179.93	185.10	4c	SHEAR ZONE IN GABBRO						
185.10	201.58	4d	GABBRO TO LEUCO-GABBRO						
201.58	209.76	5a	MAFIC DYKE						
209.76	227.20	4c	GABBRO						
	227.20	EOH	END OF HOLE						

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
0.00	26.00	CASING							
26.00	59.85	PERIDOTITE (ULTRAMAFIC)	Dark green, medium-grained, magnetic. Olivine-pyroxene-talcose-serpentine-carbonate ± magnetite mineral assemblage, plagioclase rare. Massive uniform equigranular. Lower contact sharp at 80° to core axis. Foliated at 60° to core axis. 26.00-27.64 - Overburden 50-60%, bedrock 40-50%. Overburden consists of compact lodgment till. 43.60-44.00 - Quartz vein 1 cm wide parallel to core axis. 54.00-59.85 - Transitional zone, pyroxenite.	J4090* J4091*	38.00 56.00	41.00 59.00	3.00 3.00	110 114	76 38
59.85	60.70	LAMPROPHYRE DYKE (ALKALIC)	Black, fine to medium-grained porphyritic. Magnetic mafic composition. Contacts intrusive/sharp at 65° to core axis.						
60.70	67.45	PERIDOTITE/PYROXENITE (ULTRAMAFIC)	Same as 26.00-59.85. Lower contact sharp at 65° to core axis.						
67.45	75.20	TONALITE (CALC-ALKALIC FELSIC)	Greyish green, medium-grained felsic intrusive (granitoid). Quartz-plagioclase-pyroxene equigranular massive. Contact (lower) sharp at 55° to core axis.	J4092*	71.00	74.00	3.00	69	23
75.20	151.66	PYROXENITE GABBRO (ULTRAMAFIC)	Dark green, medium-grained, weakly magnetic, massive. Transitional from pyroxenite above to gabbro possibly representing macroscopic fractionation down hole (tops down hole)? Lower contact sharp at 75° to core axis. 75.20-75.90 - Leuco-gabbro. 10-15% plagioclase in pyroxenite host (calc alkalic mafic). 75.90-76.08 - Anorthositic, top of cycle. 77.90-78.22 - Tonalite, dyke same as 67.45-75.20. 80.00-155.66 - Uniform pyroxenite/gabbro (ultramafic).	J4093* J4094* J4095* J4096*	75.20 83.00 116.00 137.00	75.90 86.00 119.00 140.00	0.70 3.00 3.00 3.00	85 128 124 136	13 152 71 34
151.66	152.68	LAMPROPHYRE DYKE (ALKALIC)	Black to dark green, fine-grained. Biotite-amphibole-pyroxene assemblage. Intrusive sharp contacts at 75° to core axis. Lower contact sharp at 75° to core axis.						
152.68	177.68	PYROXENITE GABBRO (ULTRAMAFIC)	Same as 75.20-151.66. Pyroxenite dominates with minor (plagioclase <5%). Plagioclase >5% below 156.50. 156.50 marks transition to gabbro. Foliated sheared from	J4097* J4098*	152.00 167.00	155.00 170.00	3.00 3.00	190 167	48 53

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
			177.10 to base (lower contact structural) at 40° to core axis. 2% pyrite blebs.						
177.68	179.93	LAMPROPHYRE DYKE ZONE (ALKALIC)	Zone of several biotite-amphibole rich decimetre wide lamprophyre dykes in schistose gabbro. Foliated at 40° to core axis. 179.00-179.15 - Fault zone at 40° to core axis. Weakly conductive chlorite schist.						
179.93	185.10	SHEAR ZONE IN GABBRO	Dark grey green, fine-grained. Weakly magnetic. Foliated pervasively at 40° to core axis. Numerous basaltic dykes cross cutting gabbro at 40-50° to core axis within sheared domain. Entire shear extends from 177.00-185.10.						
185.10	201.58	GABBRO TO LEUCO-GABBRO (ULTRAMAFIC)	Dark grey-green. Medium-grained equigranular. Locally 10-15% plagioclase leuco-gabbro. Lower contact sharp at 45° to core axis.	J4099*	188.00	191.00	3.00	150	48
201.58	209.76	MAFIC DYKE	Dark grey, fine-grained aphanitic basaltic dyke (feeder to volcanics?). Non mineralized. Lower contact sharp, interdigitates with gabbro from 202.50 to base.						
209.76	227.20	GABBRO (ULTRAMAFIC)	Same as 75.20-151.66. 216.00-218.30 - Disseminated pyrrhotite blebs in gabbro. 3% total. 217.00 - 2 cm wide quartz-tourmaline vein at 20° to core axis. Barren.	J4100* J4447 J4448	210.00 216.00 217.00	213.00 217.00 218.30	3.0 1.0 1.3	243 194 168	142 121 102
	227.20	END OF HOLE							
			* Denotes Whole Rock Samples						



**WHOLE ROCK ANALYSIS**

**MAJOR ELEMENTS**

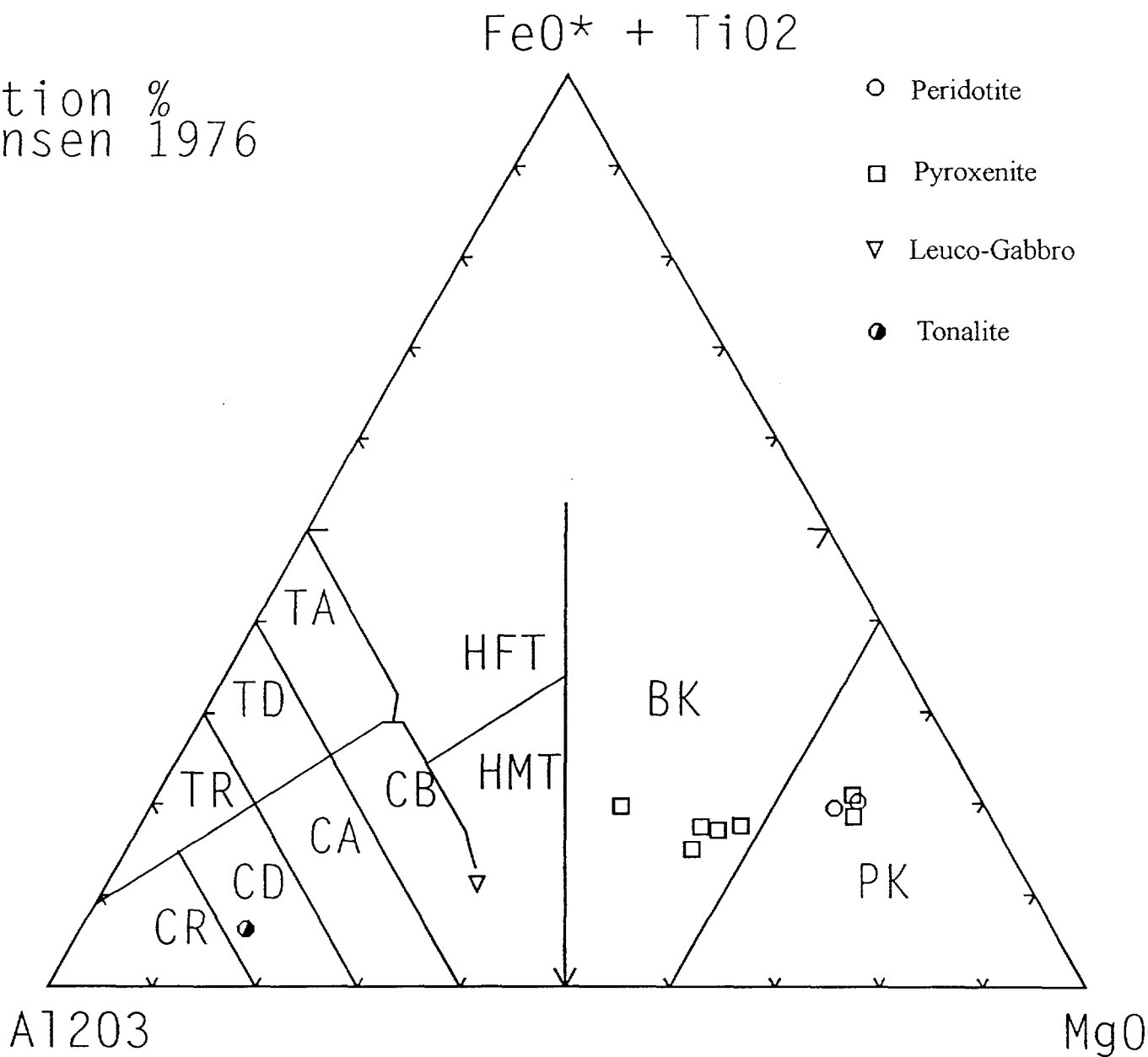
SAMPLE	LOCATION	ROCK TYPE	From	To	Lgth	NA2O	MGO	AL2O3	SI02	P2O5	K2O	CAO	TIO2	CR2O3	MNO	FE2O3	LOI	SUM
J4090	MAC96-15	Peridotite	38.00	41.00	3.00	0.19	22.60	5.07	50.40	<0.01	0.03	3.48	0.22	0.12	0.21	13.10	3.60	99.00
J4091	MAC96-15	Peridotite	56.00	59.00	3.00	0.19	22.00	6.19	49.90	<0.01	<0.01	4.36	0.21	0.11	0.21	12.70	3.70	99.60
J4092	MAC96-15	Tonalite	71.00	74.00	3.00	1.96	4.24	26.10	46.10	<0.01	0.12	13.50	0.09	0.01	0.05	3.23	2.90	98.40
J4093	MAC96-15	Pyroxenite	75.20	75.90	0.70	1.55	9.80	18.20	47.60	<0.01	0.18	11.60	0.14	0.02	0.10	5.94	2.20	97.40
J4094	MAC96-15	Pyroxenite	83.00	86.00	3.00	0.11	23.40	5.03	50.60	<0.01	<0.01	3.22	0.22	0.11	0.19	13.20	4.00	100.10
J4095	MAC96-15	Pyroxenite	116.00	119.00	3.00	0.20	22.60	5.37	50.70	<0.01	<0.01	3.91	0.20	0.11	0.22	12.80	3.65	99.80
J4096	MAC96-15	Pyroxenite	137.00	140.00	3.00	1.80	11.60	11.20	52.80	0.06	0.07	6.94	0.42	0.04	0.17	9.55	3.65	98.40
J4097	MAC96-15	Pyroxenite	152.00	155.00	3.00	0.66	17.80	9.49	49.70	<0.01	0.05	7.53	0.19	0.07	0.18	10.50	3.30	99.50
J4098	MAC96-15	Pyroxenite	167.00	170.00	3.00	0.75	16.80	10.20	49.10	<0.01	0.10	8.09	0.19	0.06	0.17	9.99	2.75	98.20
J4099	MAC96-15	Gabbro	188.00	191.00	3.00	0.84	16.00	10.80	48.50	<0.01	0.06	8.66	0.21	0.04	0.17	10.30	2.95	98.60
J4100	MAC96-15	Gabbro	210.00	213.00	3.00	0.69	15.90	10.50	48.70	<0.01	0.06	8.76	0.21	0.04	0.18	10.60	2.50	98.20

**TRACE ELEMENTS**

SAMPLE	LOCATION	ROCK TYPE	From	To	Lgth	RB	SR	Y	ZR	NB	BA	AU	AU	CHK	CU	NI
J4090	MAC96-15	Peridotite	38.00	41.00	3.00	<10	23	<10	<10	<10	55	8			76	110
J4091	MAC96-15	Peridotite	56.00	59.00	3.00	<2	20	3	<2	2	62	9	7		38	114
J4092	MAC96-15	Tonalite	71.00	74.00	3.00	<2	372	6	13	5	89	3			23	69
J4093	MAC96-15	Pyroxenite	75.20	75.90	0.70	<2	227	4	23	2	95	<1			13	85
J4094	MAC96-15	Pyroxenite	83.00	86.00	3.00	2	15	2	11	3	61	7			152	128
J4095	MAC96-15	Pyroxenite	116.00	119.00	3.00	15	27	12	19	8	68	<1			71	124
J4096	MAC96-15	Pyroxenite	137.00	140.00	3.00	2	319	10	42	3	86	<1			34	136
J4097	MAC96-15	Pyroxenite	152.00	155.00	3.00	16	102	10	13	9	57	<1			48	190
J4098	MAC96-15	Pyroxenite	167.00	170.00	3.00	11	127	10	18	7	65	20			53	167
J4099	MAC96-15	Gabbro	188.00	191.00	3.00	9	133	10	15	10	55	5			48	150
J4100	MAC96-15	Gabbro	210.00	213.00	3.00	8	105	2	18	4	68	16			142	243

Whole Rock Data  
MAC96-15

Cation %  
Jensen 1976



## TECK EXPLORATION LTD. DIAMOND DRILL LOG

Job <u>98424</u> <u>N.T.S.</u> <u>42 B/09</u> Property <u>Montcalm Adjacent Claims</u> Township <u>Montcalm Grid F-G</u> Location: Line <u>7+00E</u> Station <u>27+50N</u> Elevation <u>300 m</u> UTM Easting <u>414539</u> Northing <u>5384131</u>	Objective <u>Testing AEM- MAX-MIN anomaly</u> Claim No. <u>1200533</u> Drilling Co. <u>Bradley Bros.</u> Commenced <u>March 19, 1996</u> Completed <u>March 22, 1996</u> Date Logged <u>March 23, 1996</u> Length <u>209.00 m</u>	Core Location <u>North Bay</u> Distance to Water <u>300 m</u> Casing <u>Left in hole</u> Core Size <u>NQ</u>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: left;">Tests</td> <td style="text-align: center;">Dip</td> <td style="text-align: center;">Azimuth</td> </tr> <tr> <td>At Collar</td> <td style="text-align: center;"><u>-50°</u></td> <td style="text-align: center;"><u>360°</u></td> </tr> <tr> <td><u>50 m</u></td> <td style="text-align: center;"><u>-49°</u></td> <td style="text-align: center;"><u>360°</u></td> </tr> <tr> <td><u>100 m</u></td> <td style="text-align: center;"><u>-49°</u></td> <td style="text-align: center;"><u>360°</u></td> </tr> <tr> <td><u>152 m</u></td> <td style="text-align: center;"><u>-48°</u></td> <td style="text-align: center;"><u>360°</u></td> </tr> <tr> <td><u>200 m</u></td> <td style="text-align: center;"><u>-48°</u></td> <td style="text-align: center;"><u>360°</u></td> </tr> </table>	Tests	Dip	Azimuth	At Collar	<u>-50°</u>	<u>360°</u>	<u>50 m</u>	<u>-49°</u>	<u>360°</u>	<u>100 m</u>	<u>-49°</u>	<u>360°</u>	<u>152 m</u>	<u>-48°</u>	<u>360°</u>	<u>200 m</u>	<u>-48°</u>	<u>360°</u>
Tests	Dip	Azimuth																			
At Collar	<u>-50°</u>	<u>360°</u>																			
<u>50 m</u>	<u>-49°</u>	<u>360°</u>																			
<u>100 m</u>	<u>-49°</u>	<u>360°</u>																			
<u>152 m</u>	<u>-48°</u>	<u>360°</u>																			
<u>200 m</u>	<u>-48°</u>	<u>360°</u>																			
Remarks <u>No observed conductive source.</u>																					

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
			<u>Summary Log</u>						
			Assays - 0            Whole Rock - 13						
0.00	32.00	OB	CASING						
32.00	68.85	4c	GABBRO						
68.85	76.90	5a	FINE-GRAINED MAFIC DYKE						
76.90	102.75	4c	GABBRO						
102.75	109.15	5a	FINE-GRAINED MAFIC DYKE						
109.15	123.93	4c	GABBRO						
123.93	124.70	5a	MINERALIZED MAFIC DYKE						
124.70	142.45	4c	GABBRO						
142.45	146.50	5a	FINE-GRAINED MAFIC DYKE						
146.50	163.53	4c	GABBRO						
163.53	167.00	5b	INTERMEDIATE DYKE						
167.00	205.65	4c	GABBRO						
205.65	206.55	5b	INTERMEDIATE DYKE						
206.55	207.85	5c	LAMPROPHYRE						
207.85	209.00	5b	INTERMEDIATE DYKE						
	209.00	EOH	END OF HOLE						

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
0.00	32.00	CASING							
32.00	68.85	GABBRO (HIGH MG-THOLEIITE)	Dark greenish grey to dark green. Medium-grained equigranular (1-3 mm). Typical mafic intrusive, weakly magnetic with minor sections of leuco-gabbro (up to 1 m wide) showing gradational contacts. Leuco-gabbro marks tops of fractionation cycles 10's of metres thick. Also as dykes. Top indicators conflict. 1-2% pyrrhotite disseminations. 43.00 - 15% plagioclase in leuco-gabbro with 2% pyrrhotite disseminations. 44.05-47.20 - Leuco-gabbro section (calc alkalic mafic). 55.00-55.90 - Leuco-gabbro, 25% plagioclase in mafic intrusive. Lower contact sharp at 25° to core axis.	J4337* J4338*	38.00 44.00	41.00 47.00	3.00 3.00	168 81	115 122
68.85	76.90	FINE-GRAINED MAFIC DYKE (HIGH MG-THOLEIITE)	Dark green locally porphyritic with pyroxenes 2-3 mm (10%) in fine-grained basaltic matrix. Lower contact sharp and irregular at 25-40° to core axis.	J4339*	71.00	74.00	3.00	105	121
76.90	102.75	GABBRO (CALC-ALKALIC MAFIC)	Same as 32.00-68.85. Cross cut by cm-scale quartz veins variably oriented.	J4340*	95.00	98.00	3.00	85	178
102.75	109.15	FINE-GRAINED MAFIC DYKE (HIGH MG-THOLEIITE)	Similar to 68.85-76.90. Dark green weakly magnetic, fine-grained aphanitic with large <5% bluish quartz eyes up to 5 mm in size in basaltic matrix.	J4341*	104.00	107.00	3.00	73	60
109.15	123.93	GABBRO (HIGH MG-THOLEIITE)	Same as 32.00-68.85.	J4342*	119.00	122.00	3.00	167	327
123.93	124.70	MINERALIZED MAFIC DYKE (CALC ALKALIC MAFIC)	Dark green, fine-grained, basaltic dyke, strongly magnetic. Contacts sharp 30° at upper and 45° at lower. 2-3% pyrite as fine disseminations. Chloritic.	J4343*	123.93	124.70	0.77	57	47
124.70	142.45	GABBRO (HIGH MG-THOLEIITE)	Same as 32.00-68.85.	J4344*	131.00	134.00	3.00	76	138
142.45	146.50	FINE-GRAINED MAFIC DYKE (HIGH MG-THOLEIITE)	Same as 123.93-124.70. Unmineralized, magnetic. Greyish black to dark green aphanitic near contacts, fine-grained in center of dyke. Basaltic composition. Cross cut by numerous quartz-carbonate veinlets up to 10-15% locally as	J4345*	142.50	146.00	3.50	127	62

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
			networks. Contacts chilled and sharp at 50° to core axis.						
146.50	163.53	GABBRO (CALC ALKALIC MAFIC)	Same as 32.00-68.85. 150.20-154.90 - Very coarse-grained gabbro, 10-12% plagioclase. 154.90-155.35 - Plagioclase rich - 60% + gabbro at top of cycle. Tops down hole.	J4346*	152.00	155.00	3.00	59	81
163.53	167.00	INTERMEDIATE DYKE (CALC ALKALIC INTERMEDIATE)	Greyish black to grey-green. Plagioclase phyrlic (1-3 mm) in siliceous aphanitic matrix. Non-magnetic. Characterized by cross cutting network of calcite ± rhodochrosite veinlets variably oriented. Foliated at 40° to core axis. Contacts sharp and chilled at 40° to core axis.	J4347*	164.00	167.00	3.00	40	70
167.00	205.65	GABBRO (HIGH MG-THOLEIITE)	Same as 32.00-68.85. 180.00-205.65 - Hornblende common in gabbro. Lower contact sharp at 40° to core axis.	J4348*	182.00	185.00	3.00	133	74
205.65	206.55	INTERMEDIATE DYKE (CALC ALKALIC INTERMEDIATE)	Same as 163.53-167.00.						
206.55	207.85	LAMPROPHYRE (ALKALIC)	Black to dark brown, medium-grained, magnetic. Pyroxene-amphibole-biotite.						
207.85	209.00	INTERMEDIATE DYKE (CALC ALKALIC INTERMEDIATE)	Same as 163.53-167.00.	J4349*	207.85	209.00	1.15	44	37
	209.00	END OF HOLE							
			* Denotes Whole Rock Samples						

## WHOLE ROCK ANALYSIS

### MAJOR ELEMENTS

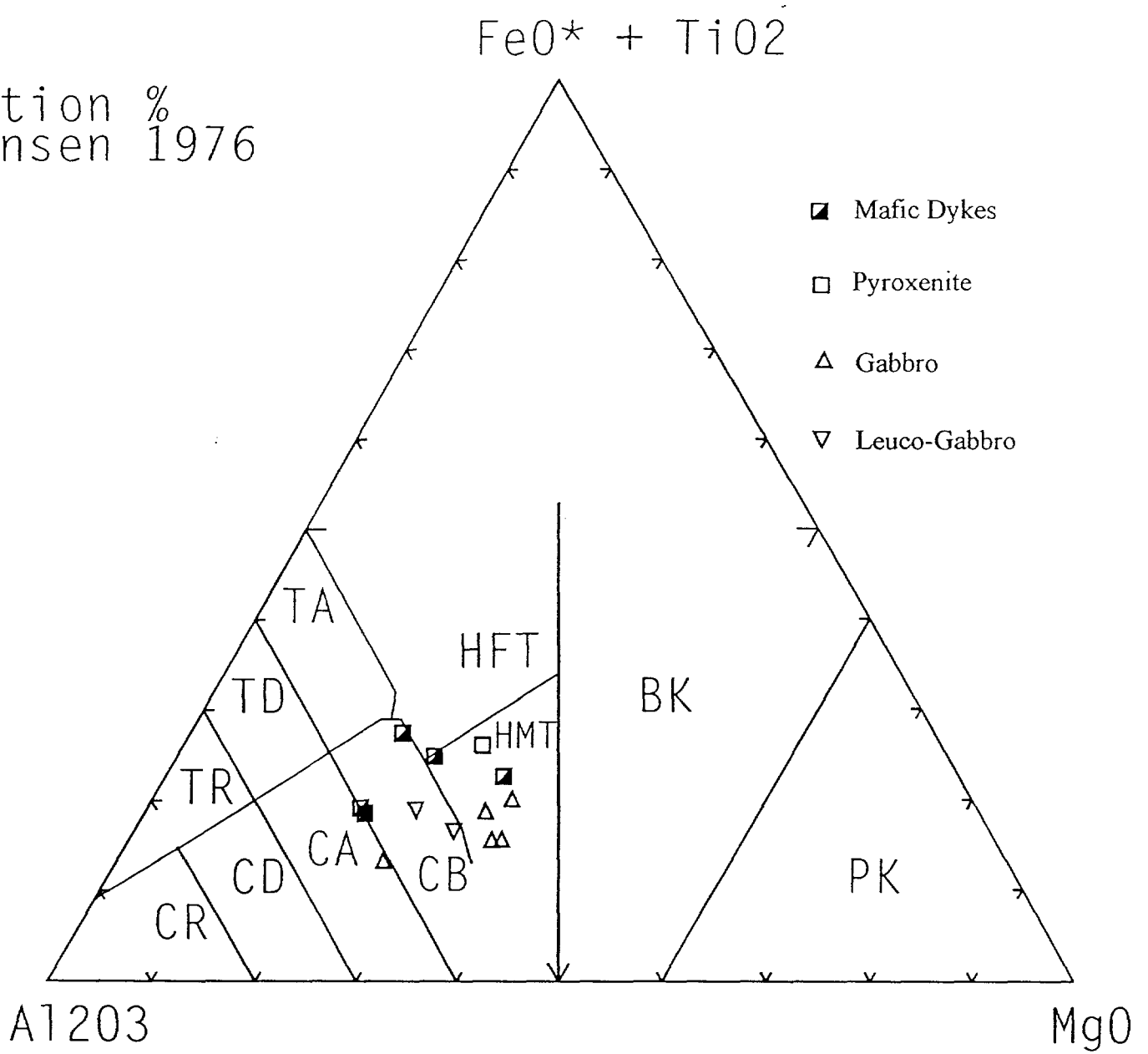
SAMPLE	LOCATION	ROCK TYPE	From	To	Lgth	NA2O	MGO	AL2O3	SI02	P2O5	K2O	CAO	TIO2	CR2O3	MNO	FE2O3	LOI	SUM
J4337	MAC96-16	Gabbro	38.00	41.00	3.00	1.50	10.50	16.70	45.70	<0.01	0.07	9.84	0.28	0.03	0.16	11.60	1.80	98.20
J4338	MAC96-16	Gabbro	44.00	47.00	3.00	2.07	7.05	18.40	47.60	<0.01	0.10	11.10	0.49	0.03	0.14	9.53	1.60	98.10
J4339	MAC96-16	Mafic Dyke	71.00	74.00	3.00	2.36	7.78	14.80	49.40	0.06	0.15	9.05	1.03	0.02	0.18	12.60	1.05	98.50
J4340	MAC96-16	Gabbro	95.00	98.00	3.00	2.61	6.65	19.60	50.10	<0.01	0.09	10.80	0.21	0.01	0.10	6.55	1.15	97.90
J4341	MAC96-16	Mafic Dyke	104.00	107.00	3.00	3.10	5.81	14.40	53.60	0.30	0.44	8.27	1.26	0.01	0.14	10.00	0.95	98.40
J4342	MAC96-16	Gabbro	119.00	122.00	3.00	1.68	9.29	16.80	49.20	<0.01	0.07	8.58	0.28	0.03	0.13	10.10	2.20	98.40
J4343	MAC96-16	Mafic Dyke	123.93	124.70	0.77	3.14	5.00	15.60	51.00	0.33	0.80	7.87	1.51	0.01	0.13	11.50	1.55	98.60
J4344	MAC96-16	Gabbro	131.00	134.00	3.00	1.66	9.65	15.90	49.00	<0.01	0.06	11.40	0.26	0.03	0.14	7.95	1.15	97.20
J4345	MAC96-16	Mafic Dyke	142.50	146.00	3.50	1.85	8.67	14.50	48.00	0.13	0.36	10.10	0.66	0.04	0.15	11.00	3.15	98.70
J4346	MAC96-16	Gabbro	152.00	155.00	3.00	2.04	7.98	16.70	49.90	0.05	0.14	11.50	0.49	0.02	0.13	7.88	1.70	98.60
J4347	MAC96-16	Int. Dyke	164.00	167.00	3.00	3.23	4.60	16.70	55.80	0.12	0.32	7.75	0.70	<0.01	0.13	7.66	1.95	99.00
J4348	MAC96-16	Gabbro	182.00	185.00	3.00	1.38	9.43	16.30	45.50	<0.01	0.22	9.58	0.23	0.05	0.13	8.01	9.15	100.00
J4349	MAC96-16	Int. Dyke	207.85	209.00	1.15	3.12	4.79	16.80	54.70	0.10	0.44	8.65	0.63	<0.01	0.10	7.55	1.85	98.80

### TRACE ELEMENTS

SAMPLE	LOCATION	ROCK TYPE	From	To	Lgth	RB	SR	Y	ZR	NB	BA	AU	AU	CHK	CU	NI
J4337	MAC96-16	Gabbro	38.00	41.00	3.00	4	138	10	17	5	72	<1			115	168
J4338	MAC96-16	Gabbro	44.00	47.00	3.00	<2	174	5	15	3	86	12			122	81
J4339	MAC96-16	Mafic Dyke	71.00	74.00	3.00	<2	124	17	67	2	98	1			121	105
J4340	MAC96-16	Gabbro	95.00	98.00	3.00	8	218	6	14	5	81	6		9	178	85
J4341	MAC96-16	Mafic Dyke	104.00	107.00	3.00	6	390	18	144	4	214	<1			60	73
J4342	MAC96-16	Gabbro	119.00	122.00	3.00	<2	153	3	<2	<2	80	1			327	167
J4343	MAC96-16	Mafic Dyke	123.93	124.70	0.77	22	659	28	129	9	336	<1			47	57
J4344	MAC96-16	Gabbro	131.00	134.00	3.00	<2	167	9	<2	5	90	5			138	76
J4345	MAC96-16	Mafic Dyke	142.50	146.00	3.50	8	228	16	70	5	215	<1			62	127
J4346	MAC96-16	Gabbro	152.00	155.00	3.00	16	205	17	33	9	97	<1			81	59
J4347	MAC96-16	Int. Dyke	164.00	167.00	3.00	3	242	15	139	5	154	<1			70	40
J4348	MAC96-16	Gabbro	182.00	185.00	3.00	<2	113	5	18	<2	103	8			74	133
J4349	MAC96-16	Int. Dyke	207.85	209.00	1.15	4	235	10	79	3	158	4			37	44

Whole Rock Data  
MAC96-16

Cation %  
Jensen 1976



## TECK EXPLORATION LTD. DIAMOND DRILL LOG

Job <u>98424</u> N.T.S. <u>42 B/09</u> Property <u>Montcalm Adjacent Claims</u> Township <u>Montcalm Grid "E"</u> Location: Line <u>23+00W</u> Station <u>2+25S</u> Elevation <u>300 m</u> UTM Easting <u>416261</u> Northing <u>5387658</u>	Objective <u>Testing PEM -MAX-MIN anomaly</u> Claim No. <u>1200526</u> Drilling Co. <u>Bradley Bros.</u> Commenced <u>March 23, 1996</u> Completed <u>March 25, 1996</u> Date Logged <u>March 26, 1996</u> Length <u>203.00 m</u>	Core Location <u>North Bay</u> Distance to Water <u>300 m</u> Casing <u>Left in hole</u> Core Size <u>NQ</u>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: left;">Tests</td> <td style="text-align: center;">Dip</td> <td style="text-align: center;">Azimuth</td> </tr> <tr> <td>At Collar</td> <td style="text-align: center;"><u>-50°</u></td> <td style="text-align: center;"><u>140°</u></td> </tr> <tr> <td>50 m</td> <td style="text-align: center;"><u>-48°</u></td> <td style="text-align: center;"><u>140°</u></td> </tr> <tr> <td>100 m</td> <td style="text-align: center;"><u>-47°</u></td> <td style="text-align: center;"><u>140°</u></td> </tr> <tr> <td>150 m</td> <td style="text-align: center;"><u>-47°</u></td> <td style="text-align: center;"><u>140°</u></td> </tr> <tr> <td>203 m</td> <td style="text-align: center;"><u>-48°</u></td> <td style="text-align: center;"><u>140°</u></td> </tr> </table>	Tests	Dip	Azimuth	At Collar	<u>-50°</u>	<u>140°</u>	50 m	<u>-48°</u>	<u>140°</u>	100 m	<u>-47°</u>	<u>140°</u>	150 m	<u>-47°</u>	<u>140°</u>	203 m	<u>-48°</u>	<u>140°</u>
Tests	Dip	Azimuth																			
At Collar	<u>-50°</u>	<u>140°</u>																			
50 m	<u>-48°</u>	<u>140°</u>																			
100 m	<u>-47°</u>	<u>140°</u>																			
150 m	<u>-47°</u>	<u>140°</u>																			
203 m	<u>-48°</u>	<u>140°</u>																			
Remarks <u>No observed conductive source. Several sections of disseminated sulphides (1-2% pyrite-pyrrhotite).</u>																					

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
			<u>Summary Log</u>						
			Assays - 2                      Whole Rock - 16						
0.00	19.00	OB	CASING						
19.00	25.10	4d	LEUCO-GABBRO						
25.10	26.15	6d	GRANODIORITE DYKE						
26.15	36.60	4c	GABBRO TO QUARTZ GABBRO						
36.60	38.35	4g	MAFIC PORPHYRY DYKE						
38.35	56.20	4c	GABBRO						
56.20	92.80	4f	MAFIC DYKE						
92.80	127.46	4c	GABBRO						
127.46	128.00	6e	SYENITE DYKE						
128.00	133.70	4c	GABBRO						
133.70	135.10	4g	MAFIC PORPHYRITIC GABBRO						
135.10	144.03	4c	GABBRO						
144.03	151.26	4g	MAFIC PORPHYRITIC GABBRO						
151.26	171.73	4c	GABBRO						
171.73	176.90	4g	MAFIC DYKE						
176.90	203.00	4c	GABBRO						
	203.00	EOH	END OF HOLE						

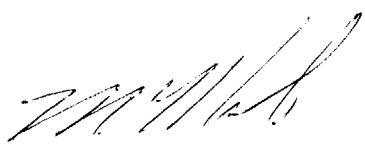


Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
0.00	19.00	CASING							
19.00	25.10	LEUCO-GABBRO (HIGH FE-THOLEIITE)	Dark green, medium to coarse-grained, magnetic. Pyroxene-plagioclase-magnetite-hornblende. 10-40% plagioclase equigranular, minor quartz. Classic gabbro - ferro gabbro. Cumulate magnetite intergrown with pyroxene-plagioclase. 1% pyrite-pyrrhotite, finely disseminated. Lower contact sharp at 30° to core axis.	J4321*	20.00	23.00	3.00	63	100
25.10	26.15	GRANODIORITE DYKE (CALC-ALKALIC FELSIC)	Orange grey to green, medium-grained, siliceous. Plagioclase, k-feldspar-quartz, 5-10% mafics, biotite-pyroxene. Trace pyrite.	J4322*	25.10	26.15	1.05	10	16
26.15	36.60	GABBRO TO QUARTZ GABBRO (HIGH FE-THOLEIITE)	Similar to 19.00-25.10. Mafic gabbro/pyroxenite grades into gabbro and leuco-gabbro as mafic to felsic mini fractionation cycles. Lower contact at section of blocky core inferred to be sharp. Quartz attains 10% locally. 2% pyrrhotite fine disseminations. 34.30-35.42 - Leuco-gabbro marking top of cycle (calc-alkalic intermediate). Tops down hole.	J4323* J4324*	29.00 34.30	32.00 35.42	3.00 1.12	86 47	158 45
36.60	38.35	MAFIC PORPHYRY DYKE	Dark greyish green, fine to medium-grained. Plagioclase "phyric" with porphyroblasts of feldspar (resorbed) up to 4 mm in size. Olivine-pyroxene dominate in matrix. Lower contact sharp and chilled at 25° to core axis. Feldspar are characterized by reaction rims.						
38.35	56.20	GABBRO (HIGH FE-THOLEIITE)	Same as 26.15-36.60. 1-2% pyrrhotite as fine disseminations. Cross cut by numerous decimetre to metre-sized mafic dykes, same as 36.60-38.35. Pervasive cleavage at 20° to core axis. 43.80-44.80 - Mafic dyke at 50° to core axis. 45.30-45.40 - Mafic dyke at 10-20° to core axis.						
56.20	92.80	MAFIC DYKE (HIGH FE-THOLEIITE)	Black, mafic intrusive, strongly magnetic. 1-3% pyrrhotite disseminations, fine-grained. Hematized-carbonatized sections throughout as fractures and veins filled with carbonate ± quartz-epidote. Fine-grained pyroxenite composition. Massive aphyric dyke. 76.10-80.00 - Blocky section. 87.30-87.70 - Quartz vein, trace pyrite. 89.00-92.80 - Contact zone, mixed gabbro and mafic dyke.	J4325* J4326* J4195 J4196	59.00 83.00 90.40 91.10	62.00 86.00 91.10 92.30	3.00 3.00 0.70 1.20	64 85 50 69	53 55 1190 144

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
			90.50-91.10 - Quartz-tourmaline vein at 25° to core axis with 3-5% blebs of pyrite ± chalcopyrite. 92.00-92.25 - Quartz vein at 25° to core axis with 2% pyrite.						
92.80	127.46	GABBRO (HIGH FE-THOLEIITE)	Same as 26.15-36.60. Foliated at 20-25° to core axis, pervasively. Cross cut by mafic dykes (decimetre size). 99.10-99.70 - Quartz vein, 1% pyrite. 122.00-122.90 - Mafic dyke, 2% plagioclase phenocrysts, 3 mm equant grains in pyroxenite, very fine-grained matrix. 1% pyrite. 124.50-126.80 - Blocky fault zone in gabbro. 125.85-127.10 - Chloritic, fine-grained, mafic to ultramafic dyke. Lower contact sharp at 60° to core axis (high Mg-tholeiite).	J4327* J4328* J4329*	104.00 116.00 125.90	107.00 119.00 127.10	3.00 3.00 1.20	60 35 73	120 78 82
127.46	128.00	SYENITE DYKE (CALC-ALKALIC FELSIC)?	Orange-green, medium to coarse-grained. Pegmatitic. Crystals of k-feldspar 60-70%, quartz, carbonate plagioclase. Trace pyrite.	J4330*	127.50	128.00	0.50	18	8
128.00	133.70	GABBRO (HIGH FE-THOLEIITE)	Same as 26.15-36.60. Lower contact sharp at 25° to core axis.						
133.70	135.10	MAFIC PORPHYRITIC GABBRO (CALC-ALKALIC MAFIC)	Same as 36.60-38.35. 1-2% pyrite.	J4331*	134.00	135.00	1.00	46	36
135.10	144.03	GABBRO	Same as 26.15-36.60. Lower contact sharp at 30° to core axis. Magnetic. Cross cut by Fe-carbonate (orange) hematized patches and stringers.						
144.03	151.26	MAFIC PORPHYRITIC GABBRO (CALC-ALKALIC MAFIC)	Similar to 36.60-38.35. Medium-grained with phenocrysts of feldspar up to 5 mm in size (20%) in mafic pyroxene-hornblende matrix. Feldspars show distinct reaction rims. Weakly to non-magnetic.	J4332*	146.00	149.00	3.00	61	38
151.26	171.73	GABBRO (CALC-ALKALIC MAFIC)	Same as 26.15-36.60. 1-2% pyrite near contacts with mafic dykelets. 157.90-158.20 - Mafic porphyritic dyke. Same as 36.6-38.85. 167.85-168.02 - Mafic porphyritic dyke at 45° to core axis.	J4333*	155.00	157.50	2.50	26	77

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
171.73	176.90	MAFIC DYKE (THOLEIITIC INTERMEDIATE)	Similar to 36.60-38.35 except more siliceous. Intermediate composition. <5% plagioclase phenocrysts in mafic pyroxene-olivine-chromite/ilmenite matrix, strongly magnetic. 2% pyrite ± pyrrhotite.	J4334*	173.00	176.00	3.00	14	35
176.90	203.00	GABBRO (CALC-ALKALIC MAFIC)	Same as 26.15-36.60. 170.00-203.00 - 2% pyrite disseminations. 177.00-177.60 - Mafic dyke, contacts sharp at 40° to core axis. 183.00 - 2 cm wide silicified shear/fracture in gabbro with 5% pyrite disseminations. 201.80 - 1 cm wide quartz-carbonate vein at 60° to core axis with 5% pyrite blebs. 202.80 - 2% pyrite disseminations.	J4335* J4336*	182.00 200.00	185.00 203.00	3.00 3.00	23 45	68 50
	203.00	END OF HOLE							

\* Denotes Whole Rock Samples



**WHOLE ROCK ANALYSIS**

**MAJOR ELEMENTS**

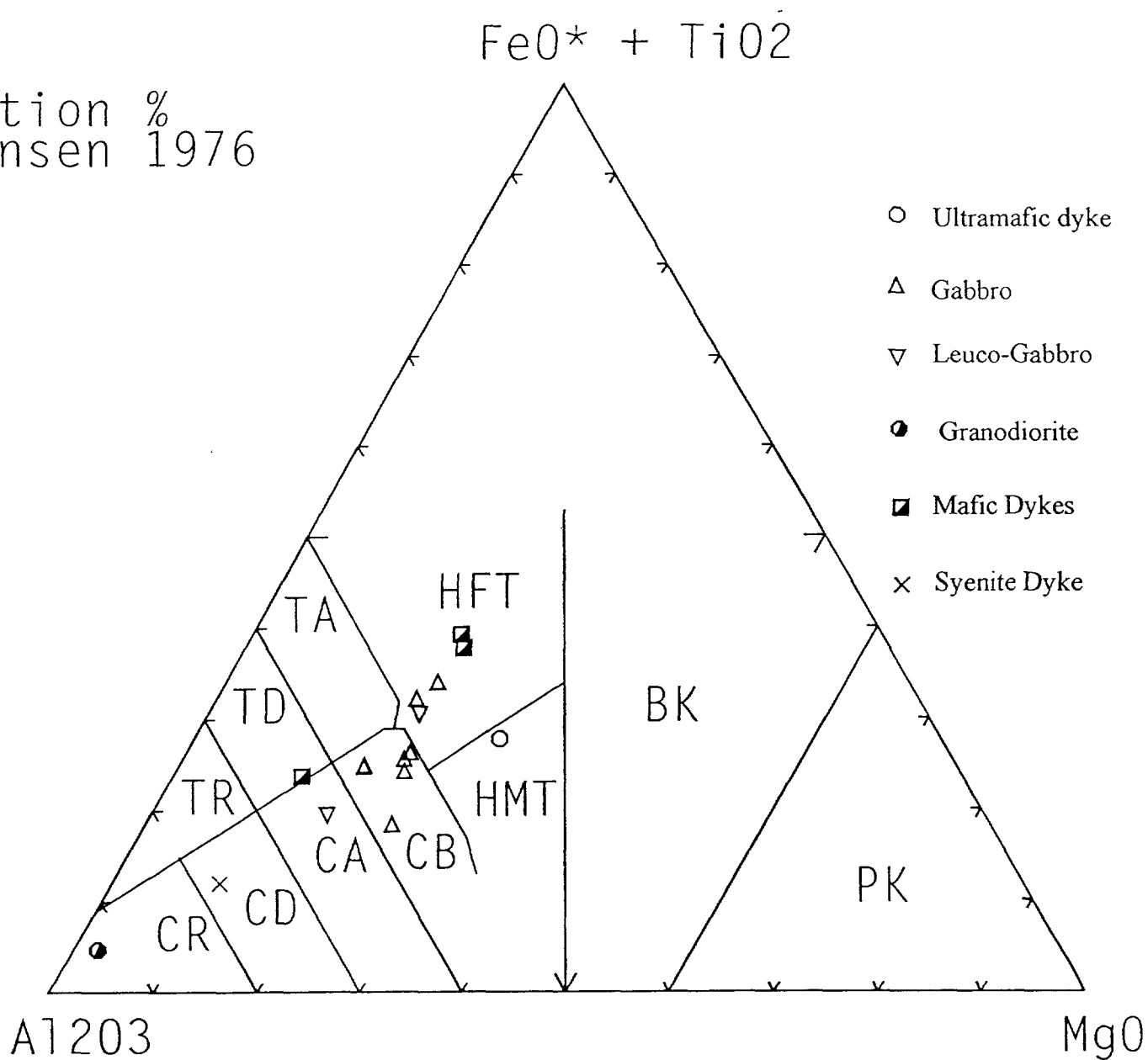
SAMPLE	LOCATION	ROCK TYPE	From	To	Lgth	NA2O	MGO	AL2O3	SI02	P2O5	K2O	CAO	TIO2	CR2O3	MNO	FE2O3	LOI	SUM
J4321	MAC96-17	Leuco-gabbro	20.00	23.00	3.00	2.01	5.52	16.50	45.00	<0.01	0.21	10.90	1.96	<0.01	0.15	14.20	1.65	98.20
J4322	MAC96-17	Granodiorite	25.10	26.15	1.05	6.58	0.26	13.30	74.30	0.02	0.29	1.38	0.13	<0.01	-0.01	0.94	0.65	97.90
J4323	MAC96-17	Gabbro	29.00	32.00	3.00	2.38	5.56	15.40	41.80	<0.01	0.22	11.20	2.31	<0.01	0.17	15.90	1.40	96.40
J4324	MAC96-17	Gabbro	34.30	35.42	1.12	3.95	4.31	20.20	48.60	<0.01	0.69	9.07	0.92	<0.01	0.10	8.84	1.15	97.90
J4325	MAC96-17	Mafic Dyke	59.00	62.00	3.00	3.16	5.43	13.10	47.70	0.32	0.41	6.98	2.99	0.02	0.16	16.00	0.70	97.10
J4326	MAC96-17	Mafic Dyke	83.00	86.00	3.00	2.50	5.36	13.40	45.60	0.33	0.25	7.48	3.34	0.01	0.21	17.10	1.25	96.90
J4327	MAC96-17	Gabbro	104.00	107.00	3.00	2.71	5.09	15.90	45.10	0.14	0.52	8.72	1.89	<0.01	0.14	14.80	2.30	97.40
J4328	MAC96-17	Gabbro	116.00	119.00	3.00	3.54	5.85	17.50	46.60	<0.01	0.45	8.15	0.81	<0.01	0.13	13.20	2.30	98.60
J4329	MAC96-17	Gabbro	125.90	127.10	1.20	1.91	8.09	14.50	28.80	0.24	0.02	16.70	1.25	<0.01	0.14	13.70	14.90	100.30
J4330	MAC96-17	Syenite Dyke	127.50	128.00	0.50	5.98	1.51	14.30	68.40	0.07	0.24	3.80	0.19	<0.01	0.03	3.31	1.00	98.90
J4331	MAC96-17	Gabbro	134.00	135.00	1.00	3.79	5.15	15.60	53.30	0.25	0.18	8.35	1.04	<0.01	0.13	10.10	0.85	98.80
J4332	MAC96-17	Gabbro	146.00	149.00	3.00	3.20	4.94	15.00	59.00	0.11	0.66	7.04	0.56	<0.01	0.10	7.02	1.30	99.00
J4333	MAC96-17	Gabbro	155.00	157.50	2.50	2.39	5.72	17.70	47.10	<0.01	0.16	10.20	0.85	<0.01	0.13	12.70	1.70	98.70
J4334	MAC96-17	Mafic Dyke	173.00	176.00	3.00	3.50	2.35	15.20	61.40	0.17	0.89	5.90	0.86	<0.01	0.10	8.05	0.55	99.10
J4335	MAC96-17	Gabbro	182.00	185.00	3.00	2.57	4.74	19.00	46.40	<0.01	0.10	11.10	0.80	<0.01	0.11	12.30	1.30	98.50
J4336	MAC96-17	Gabbro	200.00	203.00	3.00	2.56	4.74	19.00	46.30	<0.01	0.12	11.00	0.86	<0.01	0.10	12.10	1.10	97.90

**TRACE ELEMENTS**

SAMPLE	LOCATION	ROCK TYPE	From	To	Lgth	RB	SR	Y	ZR	NB	BA	AU	AU	CHK	CU	NI
J4321	MAC96-17	Leuco-gabbro	20.00	23.00	3.00	8	298	8	45	5	178	3			100	63
J4322	MAC96-17	Granodiorite	25.10	26.15	1.05	9	111	27	85	12	163	<1			16	10
J4323	MAC96-17	Gabbro	29.00	32.00	3.00	9	306	9	9	7	175	<1			198	86
J4324	MAC96-17	Gabbro	34.30	35.42	1.12	18	384	3	19	<2	567	7			45	47
J4325	MAC96-17	Mafic Dyke	59.00	62.00	3.00	17	575	36	154	12	248	5			53	64
J4326	MAC96-17	Mafic Dyke	83.00	86.00	3.00	<2	185	29	139	9	180	5			55	85
J4327	MAC96-17	Gabbro	104.00	107.00	3.00	13	283	19	72	9	199	4			120	60
J4328	MAC96-17	Gabbro	116.00	119.00	3.00	12	279	4	7	5	148	2			78	35
J4329	MAC96-17	Gabbro	125.90	127.10	1.20	<2	315	11	47	4	95	2			82	73
J4330	MAC96-17	Syenite Dyke	127.50	128.00	0.50	5	326	17	95	6	150	1			8	18
J4331	MAC96-17	Gabbro	134.00	135.00	1.00	4	263	22	134	7	125	<1			36	46
J4332	MAC96-17	Gabbro	146.00	149.00	3.00	12	224	15	94	4	250	1			38	61
J4333	MAC96-17	Gabbro	155.00	157.50	2.50	7	307	3	19	4	77	2			77	26
J4334	MAC96-17	Mafic Dyke	173.00	176.00	3.00	26	224	21	146	9	335	<1		2	35	14
J4335	MAC96-17	Gabbro	182.00	185.00	3.00	9	346	10	<2	7	111	<1			68	23
J4336	MAC96-17	Gabbro	200.00	203.00	3.00	<2	338	3	16	2	100	<1			50	45

Whole Rock Data  
MAC96-17

Cation %  
Jensen 1976



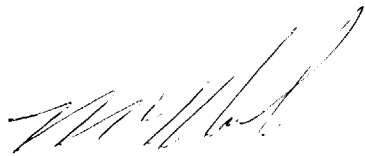
## TECK EXPLORATION LTD. DIAMOND DRILL LOG

Job <u>98424</u> <u>N.T.S.</u> <u>42 B/09</u> Property <u>Montcalm Timmins Nickel</u> Township <u>Montcalm Grid "E"</u> Location: Line <u>14+00W</u> Station <u>2+00N</u> Elevation <u>300 m</u> UTM Easting <u>416692</u> Northing <u>5388555</u>	Objective <u>Testing PEM-MAX-MIN anomaly</u> Claim No. <u>1200526</u> Drilling Co. <u>Bradley Bros.</u> Commenced <u>March 27, 1996</u> Completed <u>March 29, 1996</u> Claim No. <u>March 30, 1996</u> Length <u>206.00m</u>	Core Location <u>North Bay</u> Distance to Water <u>300 m</u> Casing <u>Left in hole</u> Core Size <u>NQ</u>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: right;">Tests</td> <td style="text-align: center;">Dip</td> <td style="text-align: center;">Azimuth</td> </tr> <tr> <td style="text-align: right;">At Collar</td> <td style="text-align: center;"><u>-50°</u></td> <td style="text-align: center;"><u>140°</u></td> </tr> <tr> <td style="text-align: right;"><u>200 m</u></td> <td style="text-align: center;"><u>-48°</u></td> <td style="text-align: center;"><u>140°</u></td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	Tests	Dip	Azimuth	At Collar	<u>-50°</u>	<u>140°</u>	<u>200 m</u>	<u>-48°</u>	<u>140°</u>									
Tests	Dip	Azimuth																			
At Collar	<u>-50°</u>	<u>140°</u>																			
<u>200 m</u>	<u>-48°</u>	<u>140°</u>																			
Remarks <u>Conductive zone at 95.33-95.85. Quartz vein with 50-60% pyrrhotite-magnetite-chalcopyrite. Drill collar on 1200526. Drilling into 1128015.</u>																					

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
			<u>Summary Log</u>						
			Assays - 14                      Whole Rock - 9						
0.00	61.00	08	CASING						
61.00	109.35	4d	LEUCO-GABBRO						
109.35	116.34	4e	ANORTHOSITE						
116.34	192.21	4d	LEUCO-GABBRO						
192.21	195.55	5b	INTERMEDIATE DYKE (DIORITE)						
195.55	206.00	4d	LEUCO-GABBRO						
	206.00	EOH	END OF HOLE						

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
0.00	61.00	CASING							
61.00	109.35	LEUCO-GABBRO (CALC-ALKALIC MAFIC)	<p>Greyish green, medium-grained, non magnetic. Pyroxene-hornblende-plagioclase-quartz assemblage, &gt;20% plagioclase, typically 30-45%. Quartz &lt;5%. Numerous plagioclase-rich intercalations. Locally mineralized with pyrrhotite disseminations up to 2-4%. Cross cut by mineralized quartz veins with 10-20% pyrrhotite ± chalcopyrite blebs. Lower contact transitional.</p> <p>75.00-76.00 - 2% pyrrhotite disseminations in leuco-gabbro.</p> <p>81.24-81.70 - Fine-grained mafic dyke at fault.</p> <p>92.50-95.33 - 2-5% pyrrhotite disseminations and stringers in leuco-gabbro.</p> <p>95.33-95.85 - Quartz vein. 50-60% magnetite-pyrrhotite-chalcopyrite. Pyrrhotite - 10%, chalcopyrite - 2%.</p> <p>95.85-109.35 - 2-5% pyrrhotite disseminations and stringers.</p>	<p>J4350*</p> <p>J4351*</p> <p>J4352*</p> <p>J4197</p> <p>J4198</p> <p>J4199</p> <p>J4200</p> <p>J4449</p> <p>J4450</p> <p>J4451</p> <p>J4452</p> <p>J4453</p> <p>J4454</p> <p>J4455</p> <p>J4456</p>	<p>65.00</p> <p>86.00</p> <p>104.00</p> <p>75.00</p> <p>92.50</p> <p>94.00</p> <p>95.33</p> <p>95.85</p> <p>97.50</p> <p>99.00</p> <p>100.50</p> <p>102.00</p> <p>103.50</p> <p>105.00</p> <p>106.50</p> <p>108.00</p>	<p>68.00</p> <p>89.00</p> <p>107.00</p> <p>76.00</p> <p>94.00</p> <p>95.33</p> <p>95.85</p> <p>97.50</p> <p>99.00</p> <p>100.50</p> <p>103.50</p> <p>105.00</p> <p>106.50</p> <p>108.00</p> <p>109.35</p>	<p>3.00</p> <p>3.00</p> <p>3.00</p> <p>1.00</p> <p>1.50</p> <p>1.33</p> <p>0.52</p> <p>1.65</p> <p>1.50</p> <p>1.50</p> <p>1.50</p> <p>1.50</p> <p>1.50</p> <p>1.50</p> <p>1.50</p> <p>1.35</p>	<p>57</p> <p>151</p> <p>32</p> <p>611</p> <p>220</p> <p>145</p> <p>848</p> <p>54</p> <p>40</p> <p>36</p> <p>44</p> <p>41</p> <p>42</p> <p>207</p> <p>29</p>	<p>29</p> <p>70</p> <p>14</p> <p>259</p> <p>98</p> <p>125</p> <p>930</p> <p>26</p> <p>15</p> <p>37</p> <p>33</p> <p>39</p> <p>38</p> <p>262</p> <p>31</p>
109.35	116.34	ANORTHOSITE (CALC-ALKALIC FELSIC)	<p>Greyish white, medium-grained &gt;60% plagioclase, typically 70% with interstitial quartz-pyroxene. Marks top of fractionation cycle of leuco-gabbro (above). Tops down hole. Lower contact sharp at 80° to core axis at quartz veinlet.</p>	J4353*	110.00	113.00	3.00	18	9
116.34	192.21	LEUCO-GABBRO (CALC-ALKALIC MAFIC)	<p>Same as 61.00-109.35.</p> <p>122.00-125.00 - &lt;2% pyrrhotite disseminated in leuco-gabbro.</p> <p>138.50-139.50 - 2-3% pyrrhotite ± chalcopyrite blebs and disseminations.</p> <p>140.65-142.50 - Anorthositic gabbro, &gt;40% plagioclase.</p>	<p>J4457</p> <p>J4354*</p> <p>J4355*</p> <p>J4458</p> <p>J4356*</p>	<p>138.50</p> <p>119.00</p> <p>137.00</p> <p>100.50</p> <p>179.00</p>	<p>139.50</p> <p>122.00</p> <p>140.00</p> <p>102.00</p> <p>182.00</p>	<p>1.00</p> <p>3.00</p> <p>3.00</p> <p>1.50</p> <p>3.00</p>	<p>30</p> <p>36</p> <p>35</p> <p>50</p> <p>53</p>	<p>39</p> <p>17</p> <p>29</p> <p>45</p> <p>27</p>
192.21	195.55	INTERMEDIATE DYKE (DIORITE) (CALC-ALKALIC MAFIC)	<p>Dark greyish to green, medium-grained equigranular, intermediate to felsic in composition. Quartz-plagioclase - 10-15% in matrix of pyroxene-hornblende.</p> <p>192.21-194.00 - Interdigitating contact zone.</p> <p>Lower contact sharp at 50° to core axis. &lt;2% pyrite disseminated.</p>	J4357*	193.00	195.00	2.00	28	52

Depth (m)		Rock Type	Descriptions	Sample No.	From	To	Lgth (m)	Ni ppm	Cu ppm
From	To								
195.55	206.00	LEUCO-GABBRO (THOLEIITE INTERMEDIATE)	Same as 61.00-109.35. 202.45-203.03 - Intermediate dyke same as 192.21-195.55.	J4358*	197.00	200.00	3.00	57	47
	206.00	END OF HOLE							
			* Denotes Whole Rock Samples						





## WHOLE ROCK ANALYSIS

### MAJOR ELEMENTS

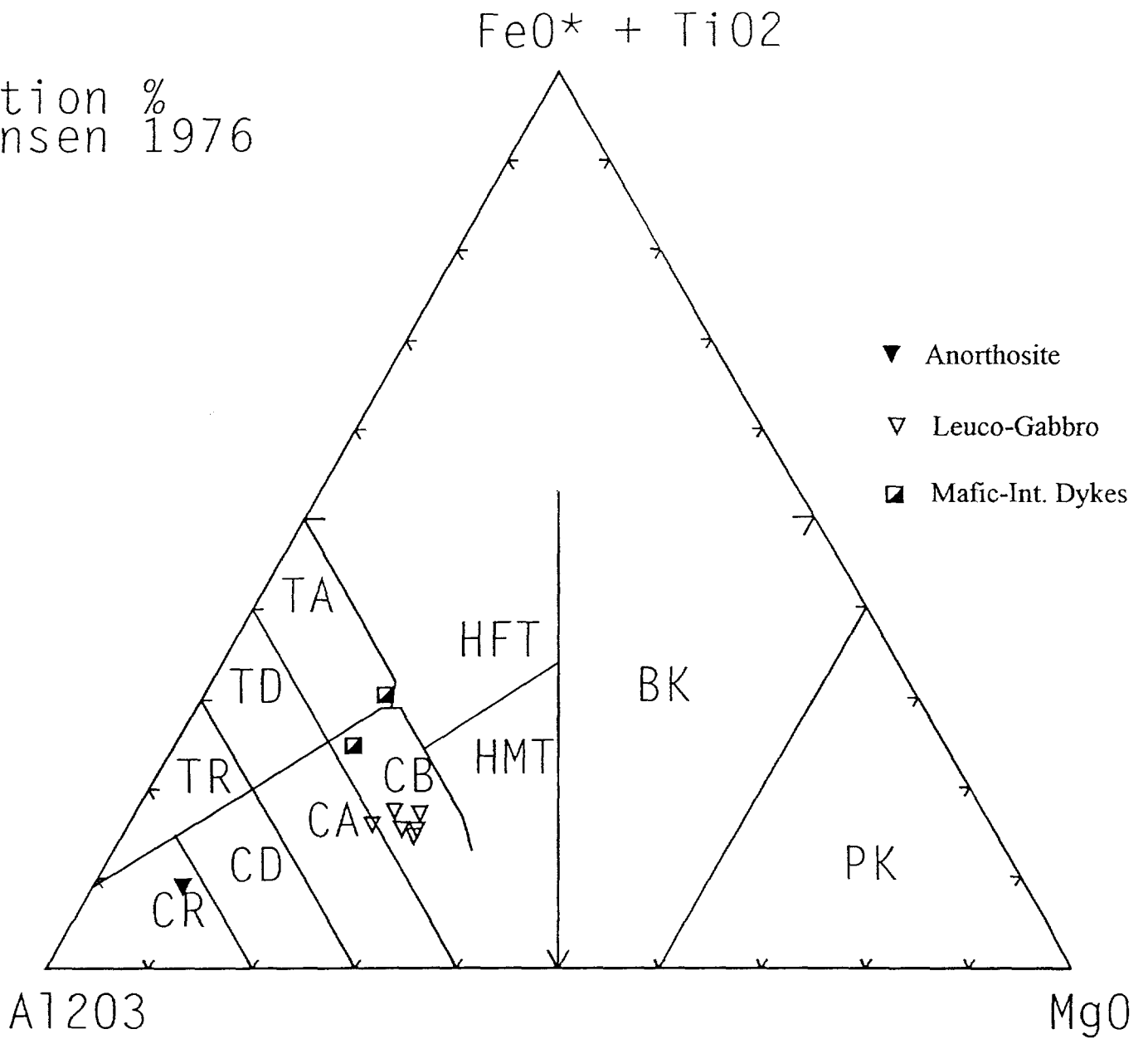
SAMPLE	LOCATION	ROCK TYPE	From	To	Lgth	NA2O	MGO	AL2O3	SI02	P2O5	K2O	CAO	TIO2	CR2O3	MNO	FE2O3	LOI	SUM
J4350	MAC96-18	Leuco-gabbro	65.00	68.00	3.00	2.23	6.35	17.30	51.30	0.06	0.32	10.60	0.35	0.02	0.12	6.94	2.75	98.40
J4351	MAC96-18	Leuco-gabbro	86.00	89.00	3.00	2.63	5.83	18.80	51.20	0.06	0.27	9.06	0.27	0.01	0.11	7.55	1.55	97.40
J4352	MAC96-18	Leuco-gabbro	104.00	107.00	3.00	2.45	6.16	17.80	51.60	0.04	0.20	9.61	0.28	<0.01	0.15	8.22	1.85	98.40
J4353	MAC96-18	Anorthosite	110.00	113.00	3.00	4.06	2.00	23.90	52.10	0.06	0.58	9.85	0.32	<0.01	0.05	3.85	1.90	98.70
J4354	MAC96-18	Leuco-gabbro	119.00	122.00	3.00	2.15	6.82	17.10	52.20	0.04	0.26	10.30	0.33	0.01	0.15	8.04	1.30	98.70
J4355	MAC96-18	Leuco-gabbro	137.00	140.00	3.00	2.14	7.21	18.10	50.90	0.03	0.27	10.60	0.30	0.02	0.12	7.44	1.80	99.00
J4356	MAC96-18	Leuco-gabbro	179.00	182.00	3.00	1.80	7.05	17.90	50.90	0.07	0.12	11.70	0.34	0.02	0.12	6.88	2.00	98.90
J4357	MAC96-18	Int. Dyke	193.00	195.00	2.00	3.13	4.28	18.00	46.20	0.02	0.31	11.30	2.37	<0.01	0.14	9.73	3.45	99.00
J4358	MAC96-18	Leuco-gabbro	197.00	200.00	3.00	3.03	4.94	17.50	44.80	0.02	0.32	9.60	2.97	<0.01	0.15	12.80	1.85	98.00

### TRACE ELEMENTS

SAMPLE	LOCATION	ROCK TYPE	From	To	Lgth	RB	SR	Y	ZR	NB	BA	AU	AU	CHK	CU	NI
J4350	MAC96-18	Leuco-gabbro	65.00	68.00	3.00	5	205	11	90	5	161	3		2	29	57
J4351	MAC96-18	Leuco-gabbro	86.00	89.00	3.00	5	234	8	76	5	134	6			70	151
J4352	MAC96-18	Leuco-gabbro	104.00	107.00	3.00	<2	187	5	57	<2	96	4			14	32
J4353	MAC96-18	Anorthosite	110.00	113.00	3.00	26	294	8	50	6	211	<1			9	18
J4354	MAC96-18	Leuco-gabbro	119.00	122.00	3.00	3	195	12	51	5	92	2			17	36
J4355	MAC96-18	Leuco-gabbro	137.00	140.00	3.00	16	224	13	42	9	145	2			29	35
J4356	MAC96-18	Leuco-gabbro	179.00	182.00	3.00	11	224	4	58	3	97	<1			27	53
J4357	MAC96-18	Int. Dyke	193.00	195.00	2.00	9	207	6	20	5	190	2			52	28
J4358	MAC96-18	Leuco-gabbro	197.00	200.00	3.00	2	271	2	31	3	194	5			47	57

Whole Rock Data  
MAC96-18

Cation %  
Jensen 1976



**APPENDIX III**  
**CERTIFICATES OF ANALYSIS**


**LES LABORATOIRES XRAL LABORATORIES**

 UNE DIVISION DE / A DIVISION OF SGS CANADA INC.  
 129 AVE. RÉAL CAQUETTE • C.P. 2283 • ROUYN-NORANDA • QUÉBEC J9X 5A9  
 TÉL.: (819) 764-9108 FAX: (819) 764-4673

## CERTIFICAT D'ANALYSE/CERTIFICATE OF ANALYSIS

R7011

 Nom de la Compagnie/Company: TECK EXPLORATION  
 Bon de Commande No/ P.O. No:  
 Projet/ Project No :  
 Date Soumis/ Submitted : Feb 20, 1996  
 Attention : Maurice Y. Houle

Feb 28, 1996

No. D'Echantillon Sample No.	AU PPB	AU CHK PPB	CU PPM	NI PPM
04540	6	4	3	1025
04541	4		4	1037
04542	4		7	980
04543	4		84	401
04544	4		5	1049
04545	6		27	1014
04546	6		5	1096
04547	4		17	1037
04548	4		6	1010
04549	12		7	1160
04550	26		8	1227
04551	12		4	1114
04552	6		6	1206
04553	4		71	196
04554	9		7	55
04555	268		5	53
04556	13		6	58
04557	74		134	53
04558	9		124	46
04559	19		37	476
04560	2	2	146	99
04561	83		71	44
04562	4		58	43
04563	12		16	1262
04564	10		6	1280
04565	6		18	1200
04566	6		8	1353
04567	10		5	1357
04568	12		5	1272
04569	10		31	1225
04570	10		28	868
04571	4		7	1290
04572	4		30	1210
04573	10		7	1142
04574	7		6	543
04575	8		8	1100
04576	4		8	1230
04577	130		4	1037
04578	12		53	352


**LES LABORATOIRES XRAL LABORATORIES**

 UNE DIVISION DE / A DIVISION OF SGS CANADA INC.  
 129 AVE. RÉAL CAQUETTE • C.P. 2283 • ROUYN-NORANDA • QUÉBEC J9X 5A9  
 TÉL.: (819) 764-9108 FAX: (819) 764-4673

## CERTIFICAT D'ANALYSE/CERTIFICATE OF ANALYSIS

R7011

Nom de la Compagnie/Company: TECK EXPLORATION

Bon de Commande No/ P.O. No:

Projet/ Project No :

Date Soumis/ Submitted : Feb 20, 1996

Feb 28, 1996

Attention : Maurice Y. Houle

No. D'Echantillon Sample No.	AU PPB	AU CHK PPB	CU PPM	NI PPM
---------------------------------	-----------	---------------	-----------	-----------

04579	4		17	25
04580	429	465	67	299
04581	6		8	50


**LES LABORATOIRES XRAL LABORATORIES**

 UNE DIVISION DE / A DIVISION OF SGS CANADA INC.  
 129 AVE. RÉAL CAOQUETTE • C.P. 2283 • ROUYN-NORANDA • QUÉBEC J9X 5A9  
 TÉL.: (819) 764-9108 FAX: (819) 764-4673

## CERTIFICAT D'ANALYSE/CERTIFICATE OF ANALYSIS

R7034

 Nom de la Compagnie/Company: TECK EXPLORATION  
 Numéro de Commande No/ P.O. No:  
 Projet/ Project No : 98424  
 Date Soumis/ Submitted : Feb 22, 1996  
 Attention : Maurice Y. Houle

Feb 28, 1996

Mo. D'Echantillon Sample No.	AU PPB	AU CHK PPB	CU PPM	NI PPM
638	22		21	947
639	10		13	994
640	10		9	1076
641	6		7	1020
642	16		8	927
643	10		11	990
644	12		7	1055
645	10		7	1072
646	12		6	1100
647	8		4	1095
648	4		3	1057
649	6		3	1077
650	6	8	4	1018
651	8		4	1231
652	4		4	1105
653	4		11	1022
654	10		4	934
655	8		18	1040
656	28		232	981
657	8		6	1084
658	8		5	1070
659	10		13	1068
660	16	18	5	1090
661	4		4	1056
662	28		4	950
663	22		5	1088
664	20		76	710
665	18		4	1116
666	20		3	1020
667	48		4	910
668	24		13	881
669	10		6	845
670	14	12	4	856
671	6		4	888
672	4		4	852
673	8		5	851
674	6		4	890
675	22		36	853
676	18		120	825

Certifié par / Certified by :



Membre du Groupe SGS (Société Générale de Surveillance)


**LES LABORATOIRES XRAL LABORATORIES**

 UNE DIVISION DE / A DIVISION OF SGS CANADA INC.  
 129 AVE. RÉAL CAQUETTE • C.P. 2283 • ROUYN-NORANDA • QUÉBEC J9X 5A9  
 TÉL.: (819) 764-9108 FAX: (819) 764-4673

## CERTIFICAT D'ANALYSE/CERTIFICATE OF ANALYSIS

R7011

 Nom de la Compagnie/Company: TECK EXPLORATION  
 Bon de Commande No/ P.O. No:  
 Projet/ Project No :  
 Date Soumis/ Submitted : Feb 20, 1996  
 Attention : Maurice Y. Houle

Feb 28, 1996

Mo. D'Echantillon Sample No.	AU PPB	AU CHK PPB	CU PPM	NI PPM
04501	32		7	912
J04502	26		8	846
04503	24		19	741
04504	24		4	1118
J04505	16		5	1067
T04506	10		4	888
04507	16		4	831
04508	18		250	3620
J04509	10		14	1122
04510	12	10	25	580
04511	10		7	1042
J04512	10		6	963
T04513	10		46	484
04514	6		5	1117
04515	8		4	1075
J04516	8		4	1100
04517	10		4	1143
04518	8		24	782
J04519	6		7	1084
T04520	8	8	26	1102
04521	14		14	1010
04522	18		9	1002
J04523	6		7	890
04524	8		4	1285
04525	8		10	1275
J04526	4		257	1236
04527	14		17	1260
04528	10		11	1227
04529	10		6	1210
T04530	8	6	5	1150
04531	6		6	972
04532	10		6	1011
J04533	8		5	1044
04534	6		5	1200
04535	2		4	1000
04536	6		39	458
T04537	10		36	851
04538	6		6	1072
04539	8		5	1093

Certifié par / Certified by :



Membre du Groupe SGS (Société Générale de Surveillance)



LES LABORATOIRES XRAL LABORATORIES  
UNE DIVISION DE / A DIVISION OF SGS CANADA INC.  
129 AVE. RÉAL CAQUETTE • C.P. 2283 • ROUYN-NORANDA • QUÉBEC J9X 5A9  
TÉL.: (819) 764-9108 FAX: (819) 764-4673

CERTIFICAT D'ANALYSE/CERTIFICATE OF ANALYSIS

R5945

Nom de la Compagnie/Company: TECK EXPLORATION  
N° de Commande No/ P.O. No:  
Projet/ Project No :  
Date Soumis/ Submitted : Feb 12, 1996  
Attention : Maurice Y. Houle

Feb 19, 1996

o. D'Echantillon Sample No.	AU PPB	AU CHK PPB	CU PPM	NI PPM
04601	<1		42	1384
04602	14		183	1756
04603	1		10	921
04604	8		42	1038
04605	<1		4	956
04606	<1		20	1045
04607	<1		49	1033
04608	<1		6	1108
04609	<1		5	1020
04610	<1		34	1027
04611	<1		5	916
04612	<1		5	837
04613	8		7	840
04614	<1		7	935
04615	<1		5	886
04616	2		7	856
04617	<1		24	847
04618	2		34	820
04619	2		79	1510
04620	4		271	5260
04621	<1		55	1006
04622	6		5	865
04623	4		10	913
04624	18		4	920
04625	10		5	1008
04626	6		35	985
04627	14		5	1050
04628	2		43	1072
04629	30		25	1116
04630	14		5	1107
04631	18		19	965
04632	12		3	992
04633	8		3	1050
04634	<1		2	1021
04635	6		2	1044
04636	8		3	900
04637	6		3	920

Certifié par / Certified by :



Membre du Groupe SGS (Société Générale de Surveillance)




**LES LABORATOIRES XRAL LABORATORIES**

 UNE DIVISION DE / A DIVISION OF SGS CANADA INC.  
 129 AVE. RÉAL CAQUETTE • C.P. 2283 • ROUYN-NORANDA • QUÉBEC J9X 5A9  
 TÉL.: (819) 764-9108 FAX: (819) 764-4673

## CERTIFICAT D'ANALYSE/CERTIFICATE OF ANALYSIS

R7034

Nom de la Compagnie/Company: TECK EXPLORATION  
 Bon de Commande No/ P.O. No:  
 Projet/ Project No : 98424  
 Date Soumis/ Submitted : Feb 22, 1996  
 Attention : Maurice Y. Houle

Feb 28, 1996

Mo. D'Echantillon Sample No.	AU PPB	AU CHK PPB	CU PPM	NI PPM
.677	22		150	822
4678	70		20	655
.679	16		16	199
.680	16	14	50	778
4681	16		17	742
.682	20		65	780
.683	24		167	706
.684	12		9	783
4685	8		5	904
.686	40		3	1035
.687	4		3	1014
4688	12		3	1050
.689	8		3	1100
.690	10	8	3	1120
.691	14		3	1062
4692	24		3	1104
.693	12		4	1169
.694	26		3	1105
4695	10		3	1047
.696	12		3	1086
.697	10		4	1114
.698	68		3	1033
4699	40		4	1062
.700	12	10	3	1091
.701	10		4	1231
4702	10		3	1044
.703	38		8	1024
.704	24		3	910
.705	40		2	968
4706	6		3	960
.707	16		4	983
.708	12		18	1044
4709	4		13	1018
.710	16		31	1081
.711	6		13	1012
.712	10		44	1038
.713	2		23	1037
.714	10		16	1014
.715	38		6	1070



# LES LABORATOIRES XRAL LABORATORIES

UNE DIVISION DE / A DIVISION OF SGS CANADA INC.  
 129 AVE. RÉAL CAOQUETTE • C.P. 2283 • ROUYN-NORANDA • QUÉBEC J9X 5A9  
 TÉL.: (819) 764-9108 FAX: (819) 764-4673

## CERTIFICAT D'ANALYSE/CERTIFICATE OF ANALYSIS

R7046

Nom de la Compagnie/Company: TECK EXPLORATION  
 Bon de Commande No/ P.O. No:  
 Projet/ Project No : 98424  
 Date Soumis/ Submitted : Feb 26, 1996  
 Attention : Maurice Y. Houle

Feb 28, 1996

No. D'Echantillon Sample No.	AU PPB	AU PPB	CHK PPM	CU PPM	NI PPM
---------------------------------	-----------	-----------	------------	-----------	-----------

1754	26			118	49
4755	12			13	1200
4756	22			9	1312
1757	20			18	1250
4758	14			10	1217
4759	16			18	1180
1760	12	14		16	1160
1761	10			10	1360
4762	8			17	1229
4763	6			6	1227
1764	26			13	1195
4765	20			14	1093
4766	22			34	1264
1767	14			5	1320
1768	12			35	1258
4769	12			7	1291
1770	12	12		21	1270
1771	16			27	1256
4772	14			33	1141
4773	16			7	1268
1774	18			21	1153
1775	20			15	1222
4776	24			10	1100
1777	36			1614	107

Certifié par / Certified by :



Membre du Groupe SGS (Société Générale de Surveillance)


**LES LABORATOIRES XRAL LABORATORIES**

 UNE DIVISION DE / A DIVISION OF SGS CANADA INC.  
 129 AVE. RÉAL CAQUETTE • C.P. 2283 • ROUYN-NORANDA • QUÉBEC J9X 5A9  
 TÉL.: (819) 764-9108 FAX: (819) 764-4673

## CERTIFICAT D'ANALYSE/CERTIFICATE OF ANALYSIS

R7057

Nom de la Compagnie/Company: TECK EXPLORATION  
 Numéro de Commande No/ P.O. No:  
 Projet/ Project No : 98424  
 Date Soumis/ Submitted : Feb 27, 1996  
 Attention : Maurice Y. Houle

Feb 28, 1996

No. D'Echantillon Sample No.	AU PPB	CU PPM	NI PPM
802	4	50	81
803	10	103	97
804	8	85	107
805	2	76	89
4806	2	70	83
807	10	1116	383
808	2	63	72

certifié par / Certified by :



Membre du Groupe SGS (Société Générale de Surveillance)


**LES LABORATOIRES XRAL LABORATORIES**

 UNE DIVISION DE / A DIVISION OF SGS CANADA INC.  
 129 AVE. RÉAL CAOQUETTE • C.P. 2283 • ROUYN-NORANDA • QUÉBEC J9X 5A9  
 TÉL.: (819) 764-9108 FAX: (819) 764-4673

## CERTIFICAT D'ANALYSE/CERTIFICATE OF ANALYSIS

R7120

Nom de la Compagnie/Company: TECK EXPLORATION  
 Bon de Commande No/ P.O. No:  
 Projet/ Project No : Montcalm  
 Date Soumis/ Submitted : Mar 04, 1996  
 Attention : Maurice Y. Houle

Mar 11, 1996

Jo. D'Echantillon Sample No.	AU PPB	AU CHK PPB	CU PPM	NI PPM
J04778	22		10	1018
J04779	40		7	1050
J04780	70		16	881
J04781	14		7	821
J04782	32	30	12	864
J04783	12		5	1030
J04784	22		4	1095
J04785	78		4	1041
J04786	14		4	1016
J04787	10		4	1094
J04788	12		3	1052
J04789	8		3	942
J04790	40		4	1010
J04791	16		4	1052
J04792	8		4	1060
J04793	28		4	1090
J04794	8	8	4	1003
J04795	8		3	1075
J04796	6		4	1067
J04797	4		4	1054
J04798	8		4	1105
J04799	10		3	1040
J04800	12		4	924
J04801	6		4	880

Certifié par / Certified by :



Membre du Groupe SGS (Société Générale de Surveillance)


**LES LABORATOIRES XRAL LABORATORIES**

 UNE DIVISION DE / A DIVISION OF SGS CANADA INC.  
 129 AVE. RÉAL CAQUETTE • C.P. 2283 • ROUYN-NORANDA • QUÉBEC J9X 5A9  
 TÉL.: (819) 764-9108 FAX: (819) 764-4673

## CERTIFICAT D'ANALYSE/CERTIFICATE OF ANALYSIS

R7119

Nom de la Compagnie/Company: TECK EXPLORATION  
 Bon de Commande No/ P.O. No:  
 Projet/ Project No : Montcalm  
 Date Soumis/ Submitted : Mar 04, 1996  
 Attention : Maurice Y. Houle

Mar 12, 1996

Jo. D'Echantillon Sample No.	AU PPB	AU CHK PPB	CU %	NI %
J04001	18		0.006	0.010
J04002	34		0.004	0.014
J04003	19	18	0.007	0.013
J04004	70		0.008	0.015
J04005	22		0.007	0.009
J04006	20	14	0.012	0.016
J04007	22		0.010	0.014
J04008	40		0.005	0.013
J04009	12		0.005	0.022
J04010	21	25	0.009	0.008
J04011	42		0.007	0.013
J04012	90		0.008	0.013
J04582	100		0.002	0.140
J04583	66		0.002	0.150
J04584	32		0.005	0.152
J04585	40		0.008	0.153
J04586	32		0.005	0.156
J04587	46		0.001	0.150
J04588	72		0.004	0.146
J04589	42		0.002	0.158
J04590	76		0.005	0.155
J04591	12		0.008	0.035
J04592	20		0.006	0.016
J04593	18		0.007	0.020
J04594	4		0.006	0.021
J04595	12		0.008	0.020
J04596	10		0.006	0.019
J04597	6		0.008	0.025
J04598	6		0.010	0.023
J04599	4		0.011	0.025
J04600	6		0.010	0.012

Certifié par / Certified by :




**LES LABORATOIRES XRAL LABORATORIES**

 UNE DIVISION DE / A DIVISION OF SGS CANADA INC.  
 129 AVE. RÉAL CAQUETTE • C.P. 2283 • ROUYN-NORANDA • QUÉBEC J9X 5A9  
 TÉL.: (819) 764-9108 FAX: (819) 764-4673

## CERTIFICAT D'ANALYSE/CERTIFICATE OF ANALYSIS

R7154

Nom de la Compagnie/Company: TECK EXPLORATION  
 Bon de Commande No/ P.O. No:  
 Projet/ Project No : 48424  
 Date Soumis/ Submitted : Mar 05, 1996  
 Attention : Maurice Y. Houle

Mar 08, 1996

Mo. D'Echantillon Sample No.	AU PPB	AU CHK PPB	CU PPM	NI PPM
838	18	16	29	50
4839	8		31	75
840	14		74	75
841	13		57	80
4842	8		76	123
4843	14		270	158
844	10		34	86
845	4		18	82
4846	16		327	210
847	8		274	192
848	4		154	75
4849	10	8	43	65
4850	6		70	112
851	5		76	85
852	4		22	67
4853	27		26	47
854	4		87	63
855	2		83	62
4856	8		106	69
857	11		82	54
858	6		75	55
4859	6		88	68
4860	8		80	77
861	10		67	67
862	38		63	79
4863	6		45	94
864	18		169	115
865	33		156	100
4866	24		196	116
4867	18		378	137
868	62		78	111
869	24		20	72
4870	22		25	77
871	18		121	106
872	24		42	90
4873	28		76	82
4874	8		63	80
875	10	12	35	82
876	34		53	107

certifié par / Certified by :



SGS (Certified)


**LES LABORATOIRES XRAL LABORATORIES**

 UNE DIVISION DE / A DIVISION OF SGS CANADA INC.  
 129 AVE. RÉAL CAQUETTE • C.P. 2283 • ROUYN-NORANDA • QUÉBEC J9X 5A9  
 TÉL.: (819) 764-9108 FAX: (819) 764-4673

## CERTIFICAT D'ANALYSE/CERTIFICATE OF ANALYSIS

R7154

Nom de la Compagnie/Company: TECK EXPLORATION  
 Bon de Commande No/ P.O. No:  
 Projet/ Project No : 48424  
 Date Soumis/ Submitted : Mar 05, 1996  
 Attention : Maurice Y. Houle

Mar 08, 1996

No. D'Echantillon Sample No.	AU PPB	AU CHK PPB	CU PPM	NI PPM
877	56		66	99
4878	119		54	85
879	41		34	80
880	38		188	105
881	20	18	241	174
4882	58		118	58
883	60		47	39
884	40		67	57
4885	38		76	68
886	18		74	67
887	15		72	52



## LES LABORATOIRES XRAL LABORATORIES

UNE DIVISION DE / A DIVISION OF SGS CANADA INC.  
 129 AVE. RÉAL CAQUETTE • C.P. 2283 • ROUYN-NORANDA • QUÉBEC J9X 5A9  
 TÉL.: (819) 764-9108 FAX: (819) 764-4673

## CERTIFICAT D'ANALYSE/CERTIFICATE OF ANALYSIS

R7362

Nom de la Compagnie/Company: TECK EXPLORATION  
 Non de Commande No/ P.O. No:  
 Projet/ Project No : 98424  
 Date Soumis/ Submitted : Apr 04, 1996  
 Attention : Maurice Y. Houle

Apr 05, 1996

No. D'Echantillon Sample No.	AU PPB	AU CHK PPB	CU PPM	NI PPM
04091	9	7	38	114
04092	3		23	69
04093	<1		13	85
04094	7		152	128
04095	<1		71	124
04096	<1		34	136
04097	<1		48	190
04098	20		53	167
04099	5		48	150
04100	16		142	243
04321	3		100	63
04322	<1		16	10
04323	<1		158	86
04324	7		45	47
04325	5		53	64
04326	5		55	85
04327	4		120	60
04328	2		78	35
04329	2		82	73
04330	1		8	18
04331	<1		36	46
04332	1		38	61
04333	2		77	26
04334	<1	2	35	14
04335	<1		68	23
04336	<1		50	45
04337	<1		115	168
04338	12		122	81
04339	1		121	105
04340	6	9	178	85
04341	<1		60	73
04342	1		327	167
04343	<1		47	57
04344	5		138	76
04345	<1		62	127
04346	<1		81	59
04347	<1		70	40
04348	8		74	133
04349	4		37	44

Certifié par / Certified by :





# LES LABORATOIRES XRAL LABORATORIES

UNE DIVISION DE / A DIVISION OF SGS CANADA INC.  
 129 AVE. RÉAL CAQUETTE • C.P. 2283 • ROUYN-NORANDA • QUÉBEC J9X 5A9  
 TÉL.: (819) 764-9108 FAX: (819) 764-4673

## CERTIFICAT D'ANALYSE/CERTIFICATE OF ANALYSIS

R7362

Nom de la Compagnie/Company: TECK EXPLORATION  
 Bon de Commande No/ P.O. No:  
 Projet/ Project No : 98424  
 Date Soumis/ Submitted : Apr 04, 1996  
 Attention : Maurice Y. Houle

Apr 05, 1996

No. D'Echantillon Sample No.	AU PPB	AU CHK PPB	CU PPM	NI PPM
J04350	3	2	29	57
J04351	6		70	151
J04352	4		14	32
J04353	<1		9	18
J04354	2		17	36
J04355	2		29	35
J04356	<1		27	53
J04357	2		52	28
J04358	5		47	18



# LES LABORATOIRES XRAL LABORATORIES

UNE DIVISION DE / A DIVISION OF SGS CANADA INC.  
129 AVE. RÉAL CAQUETTE • C.P. 2283 • ROUYN-NORANDA • QUÉBEC J9X 5A9  
TÉL.: (819) 764-9108 FAX: (819) 764-4673

your ref: P.O. # 98424

our ref: 7936/R7362

## CERTIFICAT D'ANALYSE/ASSAY CERTIFICATE

April 17/96

TECK EXPLORATION LTD  
R.R#5-19 LEGAULT STREET  
NORTH BAY, ONTARIO  
P1B 8Z4

ATTENTION: MAURICE Y. HOULE

Date soumis/ Submitted: April 3, 1996

No. of samples: 48

No. of pages: 4

ELEMENTS	METHOD	DETECTION LIMIT
WRMAJ %	XRF-F	0.01
WRMIN PPM	XRF-F	2.
BA PPM	XRF-F	20.

Certifie par/Certified by:

J.J. Landers Gerant/Manager

SAMPLE	NA2O % XRF-F 0.01	MGO % XRF-F 0.01	AL2O3 % XRF-F 0.01	SIO2 % XRF-F 0.01	P2O5 % XRF-F 0.01	K2O % XRF-F 0.01	CAO % XRF-F 0.01	TIO2 % XRF-F 0.001	CR2O3 % XRF-F 0.01
JO4091	0.19	22.0	6.19	49.9	<.01	<.01	4.36	0.207	0.11
JO4092	1.96	4.24	26.1	46.1	<.01	0.12	13.5	0.088	0.01
JO4093	1.55	9.80	18.2	47.6	<.01	0.18	11.6	0.143	0.02
JO4094	0.11	23.4	5.03	50.6	<.01	<.01	3.22	0.216	0.11
JO4095	0.20	22.6	5.37	50.7	<.01	<.01	3.91	0.201	0.11
JO4096	1.80	11.6	11.2	52.8	0.06	0.07	6.94	0.422	0.04
JO4097	0.66	17.8	9.49	49.7	<.01	0.05	7.53	0.193	0.07
JO4098	0.75	16.8	10.2	49.1	<.01	0.10	8.09	0.192	0.06
JO4099	0.84	16.0	10.8	48.5	<.01	0.06	8.66	0.205	0.04
JO4100	0.69	15.9	10.5	48.7	<.01	0.06	8.76	0.209	0.04
JO4321	2.01	5.52	16.5	45.0	<.01	0.21	10.9	1.96	<.01
JO4322	6.58	0.26	13.3	74.3	0.02	0.29	1.38	0.133	<.01
JO4323	2.38	5.56	15.4	41.8	<.01	0.22	11.2	2.31	<.01
JO4324	3.95	4.31	20.2	48.6	<.01	0.69	9.07	0.916	<.01
JO4325	3.16	5.43	13.1	47.7	0.32	0.41	6.98	2.99	0.02
JO4326	2.50	5.36	13.4	45.6	0.33	0.25	7.48	3.34	0.01
JO4327	2.71	5.09	15.9	45.1	0.14	0.52	8.72	1.89	<.01
JO4328	3.54	5.85	17.5	46.6	<.01	0.45	8.15	0.812	<.01
JO4329	1.91	8.09	14.5	28.8	0.24	0.02	16.7	1.25	<.01
JO4330	5.98	1.51	14.3	68.4	0.07	0.24	3.80	0.187	<.01
JO4331	3.79	5.15	15.6	53.3	0.25	0.18	8.35	1.04	<.01
JO4332	3.20	4.94	15.0	59.0	0.11	0.66	7.04	0.560	<.01
JO4333	2.39	5.72	17.7	47.1	<.01	0.16	10.2	0.850	<.01
JO4334	3.50	2.35	15.2	61.4	0.17	0.89	5.90	0.863	<.01
JO4335	2.57	4.74	19.0	46.4	<.01	0.10	11.1	0.800	<.01
JO4336	2.56	4.74	19.0	46.3	<.01	0.12	11.0	0.859	<.01
JO4337	1.50	10.5	16.7	45.7	<.01	0.07	9.84	0.278	0.03
JO4338	2.07	7.05	18.4	47.6	<.01	0.10	11.1	0.491	0.03
JO4339	2.36	7.78	14.8	49.4	0.06	0.15	9.05	1.03	0.02
JO4340	2.61	6.65	19.6	50.1	<.01	0.09	10.8	0.212	0.01
JO4341	3.10	5.81	14.4	53.6	0.30	0.44	8.27	1.26	0.01
JO4342	1.68	9.29	16.8	49.2	<.01	0.07	8.58	0.284	0.03
JO4343	3.14	5.00	15.6	51.0	0.33	0.80	7.87	1.51	0.01
JO4344	1.66	9.65	15.9	49.0	<.01	0.06	11.4	0.259	0.03
JO4345	1.85	8.67	14.5	48.0	0.13	0.36	10.1	0.659	0.04
JO4346	2.04	7.98	16.7	49.9	0.05	0.14	11.5	0.485	0.02
JO4347	3.23	4.60	16.7	55.8	0.12	0.32	7.75	0.702	<.01
JO4348	1.38	9.43	16.3	45.5	<.01	0.22	9.58	0.225	0.05
JO4349	3.12	4.79	16.8	54.7	0.10	0.44	8.65	0.628	<.01
JO4350	2.23	6.35	17.3	51.3	0.06	0.32	10.6	0.352	0.02
JO4351	2.63	5.83	18.8	51.2	0.06	0.27	9.06	0.270	0.01
JO4352	2.45	6.16	17.8	51.6	0.04	0.20	9.61	0.279	<.01
JO4353	4.06	2.00	23.9	52.1	0.06	0.58	9.85	0.324	<.01
JO4354	2.15	6.82	17.1	52.2	0.04	0.26	10.3	0.334	0.01
JO4355	2.14	7.21	18.1	50.9	0.03	0.27	10.6	0.300	0.02
JO4356	1.80	7.05	17.9	50.9	0.07	0.12	11.7	0.336	0.02
JO4357	3.13	4.28	18.0	46.2	0.02	0.31	11.3	2.37	<.01
JO4358	3.03	4.94	17.5	44.8	0.02	0.32	9.60	2.97	<.01
I JO4091	0.18	21.9	6.20	49.9	<.01	<.01	4.37	0.203	0.11
I JO4324	3.94	4.28	20.2	48.7	<.01	0.68	9.10	0.909	<.01
L JO4338	2.05	7.02	18.5	47.9	<.01	0.09	11.1	0.486	0.03
I JO4352	2.42	6.20	17.9	51.6	0.03	0.20	9.64	0.277	<.01

SAMPLE	MNO % XRF-F 0.01	FE2O3 % XRF-F 0.01	RB PPM XRF-F 2	SR PPM XRF-F 2	Y PPM XRF-F 2	ZR PPM XRF-F 2	NB PPM XRF-F 2	BA PPM XRF-F 20	LOI % XRF-F 0.01
JO4091	0.21	12.7	<2	20	3	<2	2	62	3.70
JO4092	0.05	3.23	<2	372	6	13	5	89	2.90
JO4093	0.10	5.94	<2	227	4	23	2	95	2.20
JO4094	0.19	13.2	2	15	2	11	3	61	4.00
JO4095	0.22	12.8	15	27	12	19	8	68	3.65
JO4096	0.17	9.55	2	319	10	42	3	86	3.65
JO4097	0.18	10.5	16	102	10	13	9	57	3.30
JO4098	0.17	9.99	11	127	10	18	7	65	2.75
JO4099	0.17	10.3	9	133	10	15	10	55	2.95
Y1100	0.18	10.6	8	105	2	18	4	68	2.50
J4321	0.15	14.2	8	298	8	45	5	178	1.65
JO4322	<.01	0.94	9	111	27	85	12	163	0.65
JO4323	0.17	15.9	9	306	9	9	7	175	1.40
JO4324	0.10	8.84	18	384	3	19	<2	567	1.15
JO4325	0.16	16.0	17	575	36	154	12	248	0.70
JO4326	0.21	17.1	<2	185	29	139	9	180	1.25

SAMPLE	MNO % XRF-F 0.01	FE2O3 % XRF-F 0.01	RB PPM XRF-F 2	SR PPM XRF-F 2	Y PPM XRF-F 2	ZR PPM XRF-F 2	NB PPM XRF-F 2	BA PPM XRF-F 20	LOI % XRF-F 0.01
JO4327	0.14	14.8	13	283	19	72	9	199	2.30
JO4328	0.13	13.2	12	279	4	7	5	148	2.30
JO4329	0.14	13.7	2	315	11	47	4	95	14.9
JO4330	0.03	3.31	5	326	17	95	6	150	1.00
JO4331	0.13	10.1	4	263	22	134	7	125	0.85
JO4332	0.10	7.02	12	224	15	94	4	250	1.30
JO4333	0.13	12.7	7	307	3	19	4	77	1.70
JO4334	0.10	8.05	26	224	21	146	9	335	0.55
JO4335	0.11	12.3	9	346	10	2	7	111	1.30
JO4336	0.10	12.1	2	338	3	16	2	100	1.10
JO4337	0.16	11.6	4	138	10	17	5	72	1.80
JO4338	0.14	9.53	2	174	5	15	3	86	1.60
JO4339	0.18	12.6	2	124	17	67	2	98	1.05
JO4340	0.10	6.55	8	218	6	14	5	81	1.15
JO4341	0.14	10.0	6	390	18	144	4	214	0.95
JO4342	0.13	10.1	2	153	3	2	2	80	2.20
JO4343	0.13	11.5	22	659	28	129	9	336	1.55
JO4344	0.14	7.95	2	167	9	2	5	90	1.15
JO4345	0.15	11.0	8	228	16	70	5	215	3.15
JO4346	0.13	7.88	16	205	17	33	9	97	1.70
JO4347	0.13	7.66	3	242	15	139	5	154	1.95
JO4348	0.13	8.01	2	113	5	18	2	103	9.15
JO4349	0.10	7.55	4	235	10	79	3	158	1.85
JO4350	0.12	6.94	5	205	11	90	5	161	2.75
JO4351	0.11	7.55	5	234	8	76	5	134	1.55
JO4352	0.15	8.22	2	187	5	57	2	96	1.85
JO4353	0.05	3.85	26	294	8	50	6	211	1.90
JO4354	0.15	8.04	3	195	12	51	5	92	1.30
JO4355	0.12	7.44	16	224	13	42	9	145	1.80
JO4356	0.12	6.88	11	224	4	58	3	97	2.00
JO4357	0.14	9.73	9	207	6	20	5	190	3.45
JO4358	0.15	12.8	2	271	2	31	3	194	1.85
JO4091	0.21	12.8	2	19	2	2	3	61	3.85
JO4324	0.10	8.87	16	380	3	20	2	571	1.30
JO4338	0.14	9.56	2	174	5	16	2	92	1.40
JO4352	0.14	8.32	2	190	4	57	2	97	1.95

SAMPLE

SUM %  
XRF-F  
0.1

JO4091	99.6
JO4092	98.4
JO4093	97.4
JO4094	100.1
JO4095	99.8
JO4096	98.4
JO4097	99.5
JO4098	98.2
JO4099	98.6
JO4100	98.2
JO4321	98.2
JO4322	97.9
JO4323	96.4
JO4324	97.9
JO4325	97.1
JO4326	96.9
JO4327	97.4
JO4328	98.6
JO4329	100.3
JO4330	98.9
JO4331	98.8
JO4332	99.0
JO4333	98.7
JO4334	99.1
JO4335	98.5
JO4336	97.9
JO4337	98.2
JO4338	98.1
JO4339	98.5
JO4340	97.9
JO4341	98.4
JO4342	98.4

SAMPLE

SUM %  
XRF-F  
0.1

JO4343	98.6
JO4344	97.2
JO4345	98.7
JO4346	98.6
JO4347	99.0
JO4348	100.0
JO4349	98.8
JO4350	98.4
JO4351	97.4
JO4352	98.4
JO4353	98.7
JO4354	98.8
JO4355	99.0
JO4356	98.9
JO4357	99.0
JO4358	98.0
JO4091	99.7
JO4324	98.2
JO4338	98.3
JO4352	98.7



LES LABORATOIRES XRAL LABORATORIES

UNE DIVISION DE / A DIVISION OF SGS CANADA INC.  
129 AVE. RÉAL CAQUETTE • C.P. 2283 • ROUYN-NORANDA • QUÉBEC J9X 5A9  
TÉL.: (819) 764-9108 FAX: (819) 764-4673

your ref: Project 98424

our ref: 7878/R7319

CERTIFICAT D'ANALYSE/ASSAY CERTIFICATE  
April 10/96

TECK EXPLORATION LTD  
R.R.#5-19 LEGAULT STREET  
NORTH BAY, ONTARIO  
P1B 8Z4

ATTENTION: MAURICE Y. HOULE

Date soumis/ Submitted: March 27, 1996

No. of samples: 59

No. of pages: 4

ELEMENTS	METHOD	DETECTION LIMIT
WRMAJ %	XRF-F	0.01
WRMIN PPM	XRF-F	10.
BA PPM	XRF-F	50.

Certifie par/Certified by:

J.J. Landers Gerant/Manager

AMPLE	NA2O % XRF-F 0.01	MGO % XRF-F 0.01	AL2O3 % XRF-F 0.01	SIO2 % XRF-F 0.01	P2O5 % XRF-F 0.01	K2O % XRF-F 0.01	CAO % XRF-F 0.01	TIO2 % XRF-F 0.001	CR2O3 % XRF-F 0.01
032	3.50	3.05	15.0	55.4	0.12	0.48	6.93	0.810	<.01
033	1.70	8.82	15.2	48.6	<.01	0.12	11.0	0.423	0.02
034	2.17	3.89	16.1	54.5	0.12	0.11	9.20	0.445	0.01
035	3.49	3.17	14.7	56.4	0.17	0.45	7.28	0.518	<.01
036	3.52	9.43	13.3	48.2	0.40	0.52	8.61	1.00	0.02
037	1.78	4.73	14.1	44.9	0.12	0.14	12.1	1.83	0.01
4038	1.82	4.99	14.9	44.9	0.11	0.20	11.1	1.85	0.01
039	3.38	4.06	16.1	54.5	0.10	0.32	7.51	0.335	0.01
040	3.01	4.51	15.3	57.3	0.10	0.14	6.42	0.489	0.01
041	2.62	5.02	17.0	50.6	0.10	0.29	8.28	0.477	0.01
042	5.03	1.41	16.2	64.7	0.07	1.08	4.37	0.297	<.01
043	2.19	4.86	14.7	45.7	0.10	0.13	10.8	1.72	0.01
044	2.15	7.36	14.1	49.7	0.05	0.09	10.5	0.811	0.01
045	2.89	4.73	16.2	48.6	0.14	0.14	9.30	1.13	<.01
046	2.20	8.87	14.3	46.5	0.08	0.11	9.98	0.982	0.04
4047	0.39	22.2	7.82	41.1	0.08	0.09	4.17	0.568	0.26
048	2.50	12.8	13.0	44.5	0.06	0.06	6.34	0.699	0.12
049	2.02	13.0	13.2	44.4	0.10	0.10	7.22	0.765	0.08
050	2.05	13.1	13.3	44.7	0.10	0.10	7.35	0.761	0.08
051	6.09	0.85	16.2	64.2	0.07	0.57	3.69	0.240	<.01
052	2.78	7.31	13.7	49.2	0.16	0.25	8.25	1.28	0.03
053	3.57	3.97	18.0	46.6	0.81	0.32	9.26	2.21	<.01
054	3.46	5.13	18.0	48.4	0.20	0.43	9.99	0.998	<.01
055	3.30	4.32	16.3	44.7	1.09	0.66	9.34	2.96	<.01
4056	4.52	2.79	16.0	57.7	0.20	0.54	6.61	0.926	<.01
057	3.57	5.39	16.4	52.0	0.12	0.21	7.43	0.472	0.01
058	2.88	5.19	17.5	47.8	0.28	0.18	9.46	0.885	<.01
059	3.40	5.04	16.6	55.3	0.12	0.22	6.95	0.538	0.01
060	1.84	7.38	15.7	47.0	0.06	0.32	10.5	0.761	0.02
061	3.81	4.73	17.0	54.0	0.10	0.41	6.17	0.489	<.01
062	3.73	4.93	16.1	50.5	0.09	0.22	7.02	0.475	<.01
063	4.31	2.66	18.8	49.2	0.45	0.47	8.41	1.37	<.01
064	3.78	4.49	16.0	55.7	0.14	0.48	7.87	0.679	<.01
065	2.42	6.68	15.2	47.9	0.19	0.16	8.74	1.50	0.01
066	3.37	5.31	15.6	52.8	0.16	0.60	8.26	0.832	<.01
067	2.68	6.26	15.4	47.2	0.24	0.36	9.28	1.67	0.01
068	3.27	4.98	15.7	54.2	0.11	0.61	8.28	0.779	<.01
069	1.86	8.83	13.7	45.8	0.10	0.09	9.34	1.04	0.03
070	2.34	8.67	14.8	47.7	0.07	0.11	9.74	0.690	0.03
071	2.29	7.93	15.2	43.9	0.09	0.07	9.88	0.938	0.03
072	1.78	7.52	13.9	40.6	0.07	1.50	8.62	0.802	0.02
073	1.88	7.94	15.4	45.2	0.16	0.12	9.86	1.36	0.02
074	3.06	12.0	9.60	52.6	0.35	1.20	7.47	0.640	0.06
075	1.58	8.19	13.2	45.3	0.12	0.14	10.9	1.26	0.03
076	4.86	1.16	15.4	67.8	0.12	1.99	3.02	0.351	<.01
077	3.63	2.81	15.7	59.2	0.13	1.81	5.60	0.673	<.01
4078	5.09	0.56	15.3	68.5	0.08	1.86	2.69	0.247	<.01
079	3.66	4.82	15.8	55.1	0.16	0.55	8.12	0.666	0.01
080	2.48	6.08	15.0	51.8	0.13	0.66	8.45	0.855	0.02
081	3.41	3.97	15.1	59.4	0.15	1.89	4.24	0.674	<.01
082	3.34	4.49	13.9	55.7	0.16	0.81	6.81	0.649	<.01
083	3.99	5.79	15.3	52.6	0.16	0.62	7.52	0.820	0.01
084	2.97	8.13	11.5	50.4	0.19	0.82	8.73	1.20	0.04
085	2.98	8.38	11.4	50.2	0.18	1.01	8.58	1.23	0.05
086	3.00	8.46	11.2	49.8	0.18	0.96	8.51	1.22	0.04
4087	3.60	1.92	14.1	58.9	0.25	0.49	5.56	0.675	<.01
088	3.15	8.34	12.1	52.4	0.18	0.90	8.74	0.973	0.03
089	3.89	3.74	15.5	55.1	0.21	0.99	7.62	0.943	<.01
090	0.19	22.6	5.07	50.4	<.01	0.03	3.48	0.222	0.12
D 032	3.50	3.03	15.2	55.8	0.12	0.48	6.94	0.802	<.01
D 045	2.91	4.75	16.2	48.8	0.13	0.13	9.36	1.15	<.01
D 059	3.46	5.13	16.6	55.7	0.12	0.23	7.03	0.539	0.01
D 073	1.89	7.90	15.3	44.8	0.15	0.12	9.82	1.36	0.02
D 087	3.57	1.92	14.1	58.8	0.25	0.49	5.59	0.680	<.01

SAMPLE	MNO % XRF-F 0.01	FE2O3 % XRF-F 0.01	RB PPM XRF-F 10	SR PPM XRF-F 10	Y PPM XRF-F 10	ZR PPM XRF-F 10	NB PPM XRF-F 10	BA PPM XRF-F 50	LOI % XRF-F 0.01
032	0.14	8.62	10	208	15	96	<10	206	4.85
033	0.16	9.67	<10	159	10	19	<10	81	3.35
034	0.13	8.22	<10	139	11	76	<10	93	2.55
035	0.27	9.19	10	205	14	78	<10	160	1.50

SAMPLE	MNO % XRF-F 0.01	FE2O3 % XRF-F 0.01	RB PPM XRF-F 10	SR PPM XRF-F 10	Y PPM XRF-F 10	ZR PPM XRF-F 10	NB PPM XRF-F 10	BA PPM XRF-F 50	LOI % XRF-F 0.01
4 6	0.15	10.5	<10	495	24	113	<10	223	2.00
4 7	0.32	16.5	<10	102	20	12	<10	136	0.50
4 8	0.33	16.3	<10	117	18	<10	<10	171	0.65
4 9	0.22	9.41	<10	202	<10	29	<10	175	2.20
4 0	0.18	7.81	<10	197	13	66	12	86	2.95
4 1	0.24	10.5	<10	263	10	64	<10	172	2.75
4 2	0.04	2.78	20	349	10	64	<10	420	1.45
4 3	0.28	16.1	<10	134	24	35	<10	222	0.50
4 4	0.30	11.0	<10	181	19	32	<10	121	1.50
4 5	0.24	13.0	<10	222	17	21	<10	127	0.95
4 6	0.17	11.9	<10	132	12	<10	<10	127	2.10
4 7	0.18	16.0	<10	30	12	77	<10	79	6.35
4 8	0.15	11.7	<10	144	<10	47	<10	80	7.20
4 9	0.17	12.6	<10	127	<10	45	<10	104	3.90
4 0	0.18	12.7	<10	136	14	56	<10	90	3.70
4 1	0.03	2.26	32	487	17	114	10	347	0.70
4 2	0.19	13.3	<10	168	24	99	<10	156	0.60
4 3	0.17	12.2	<10	344	17	39	<10	181	0.65
4 4	0.15	9.83	<10	311	<10	22	<10	218	0.40
4 5	0.19	13.5	12	285	17	13	<10	232	0.25
4 6	0.12	8.59	16	325	27	155	10	268	0.50
4 7	0.34	11.1	<10	227	<10	53	<10	147	0.70
4 8	0.23	12.4	<10	270	20	82	<10	191	1.35
4 9	0.16	8.30	<10	252	10	46	<10	203	0.85
4 0	0.21	12.2	11	143	21	56	<10	236	1.35
4 1	0.20	9.54	10	238	<10	63	<10	204	1.45
4 2	0.27	10.2	<10	169	<10	33	<10	190	4.00
4 3	0.18	10.8	<10	372	<10	26	<10	218	1.10
4 4	0.11	7.66	<10	267	17	107	<10	193	0.50
4 5	0.19	13.3	<10	243	<10	31	<10	114	0.80
4 6	0.13	9.20	15	307	12	96	<10	218	0.65
4 7	0.20	13.8	<10	251	12	<10	<10	212	0.30
4 8	0.11	8.23	18	276	14	96	<10	253	0.60
4 9	0.19	13.5	<10	127	19	23	<10	123	3.45
4 0	0.16	10.2	<10	159	10	50	<10	83	3.00
4 1	0.16	10.7	<10	148	15	38	<10	78	7.80
4 2	0.15	10.8	20	127	15	59	<10	220	14.6
4 3	0.18	13.4	<10	141	24	66	<10	121	2.85
4 4	0.11	7.52	37	763	35	130	19	946	2.70
4 5	0.20	12.8	<10	122	21	72	10	123	3.65
4 6	0.04	2.93	52	654	18	184	10	698	0.80
4 7	0.11	6.78	39	347	20	155	<10	575	1.00
4 8	0.06	2.36	45	447	20	183	14	694	1.00
4 9	0.13	8.10	<10	264	13	56	<10	225	0.55
4 0	0.17	10.9	<10	186	17	65	<10	163	0.80
4 1	0.11	7.95	32	173	13	139	12	650	1.25
4 2	0.12	10.7	13	81	13	75	<10	248	1.75
4 3	0.15	9.81	<10	156	14	78	<10	285	0.70
4 4	0.17	12.8	12	336	19	128	<10	342	1.20
4 5	0.17	13.1	24	397	15	129	<10	454	1.35
4 6	0.17	12.9	15	385	17	135	<10	403	1.55
4 7	0.13	10.8	<10	321	29	176	<10	209	1.65
4 8	0.14	10.0	20	417	24	89	11	315	0.60
4 9	0.10	9.10	11	353	18	119	<10	431	0.65
4 0	0.21	13.1	<10	23	<10	<10	<10	55	3.60
4 1	0.14	8.63	16	208	20	92	<10	209	5.00
4 2	0.25	13.2	<10	212	16	14	<10	118	0.85
4 3	0.16	8.36	<10	260	11	47	<10	204	0.70
4 4	0.18	13.3	<10	132	18	58	<10	113	2.25
4 5	0.13	10.8	<10	318	28	167	<10	197	1.60

SAMPLE	SUM % XRF-F 0.1
4 2	99.0
4 3	99.1
4 34	97.5
4 35	97.2
4 36	97.8
4 37	97.1
4 38	97.2
4 39	97.2



SAMPLE	SUM % XRF-F 0.1
4040	98.3
4041	97.9
4042	97.5
4043	97.1
4044	97.6
4045	97.4
4046	97.3
4047	99.2
4048	99.2
4049	97.6
4050	98.2
4051	95.0
4052	97.1
4053	97.8
4054	97.1
4055	96.7
4056	98.6
4057	97.8
4058	98.2
4059	97.6
4060	97.4
4061	98.0
4062	97.6
4063	97.8
4064	97.5
4065	97.1
4066	97.0
4067	97.4
4068	96.9
4069	98.0
4070	97.6
4071	99.0
4072	100.4
4073	98.4
4074	97.5
4075	97.4
4076	98.7
4077	97.6
4078	97.9
4079	97.7
4080	97.4
4081	98.3
4082	98.5
4083	97.5
4084	98.2
4085	98.8
4086	98.1
4087	98.2
4088	97.7
4089	97.9
4090	99.0
D 4032	99.7
E 4045	97.8
E 4059	98.1
E 4073	97.1
D 4087	98.0



LES LABORATOIRES XRAL LABORATORIES

UNE DIVISION DE / A DIVISION OF SGS CANADA INC.  
129 AVE. RÉAL CAOQUETTE • C.P. 2283 • ROUYN-NORANDA • QUÉBEC J9X 5A9  
TÉL.: (819) 764-9108 FAX: (819) 764-4673

your ref:

our ref: 7350/R7011

CERTIFICAT D'ANALYSE/ASSAY CERTIFICATE  
March 6/96

TECK EXPLORATION LTD  
R.R.#5-19 LEGAULT STREET  
NORTH BAY, ONTARIO  
P1B 8Z4

ATTENTION: MAURICE Y HOULE

Date soumis/ Submitted: February 20, 1996

No. of samples: 81

No. of pages: 5

ELEMENTS	METHOD	DETECTION LIMIT
WRMAJ %	XRF-F	0.01
WRMIN PPM	XRF-F	2
BA PPM	XRF-F	20

Certifie par/Certified by:

  
\_\_\_\_\_  
J.J. Landers Gerant/Manager

SAMPLE	NA2O %	MGO %	AL2O3 %	SIO2 %	P2O5 %	K2O %	CAO %	TIO2 %	CR2O3 %
	XRF-F	XRF-F	XRF-F	XRF-F	XRF-F	XRF-F	XRF-F	XRF-F	XRF-F
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.001	0.01
JO4501	0.19	33.4	2.76	36.3	<.01	0.03	1.82	0.132	0.60
JO4502	0.12	32.9	2.77	35.6	<.01	<.01	2.62	0.136	0.55
JO4503	0.07	32.0	2.97	35.7	<.01	<.01	2.67	0.140	0.55
JO4504	0.08	35.2	2.16	36.8	<.01	<.01	1.28	0.131	0.65
JO4505	0.08	34.0	2.07	34.3	<.01	<.01	1.55	0.089	0.62
JO4506	0.07	34.2	2.10	36.6	<.01	<.01	1.43	0.107	0.64
JO4507	0.08	31.8	1.58	30.7	<.01	<.01	3.80	0.121	0.52
JO4508	0.10	26.0	3.06	29.2	2.74	<.01	9.45	0.146	0.59
JO4509	0.06	33.1	2.05	33.7	0.05	<.01	2.85	0.086	0.56
JO4510	0.10	28.9	1.96	31.7	<.01	0.03	3.61	0.091	0.53
JO4511	0.09	33.0	2.17	35.0	0.05	<.01	1.82	0.148	0.59
JO4512	0.06	33.2	2.34	36.2	<.01	<.01	1.21	0.086	0.60
JO4513	0.06	27.6	2.29	32.4	<.01	<.01	6.55	0.086	0.37
JO4514	0.05	33.7	1.74	34.1	<.01	<.01	1.59	0.091	0.59
JO4515	0.08	34.4	2.01	34.5	<.01	<.01	0.93	0.085	0.59
JO4516	0.06	34.0	1.97	33.4	<.01	<.01	1.22	0.083	0.59
JO4517	0.09	35.2	1.92	34.9	0.02	<.01	0.61	0.128	0.65
JO4518	0.10	31.4	1.95	31.0	<.01	0.03	1.75	0.074	0.56
JO4519	0.13	34.6	2.38	35.4	<.01	<.01	1.28	0.127	0.62
JO4520	0.09	34.9	2.15	35.8	<.01	<.01	1.74	0.126	0.68
JO4521	0.13	34.8	2.25	35.6	<.01	<.01	2.16	0.117	0.61
JO4522	0.17	35.5	2.38	36.4	<.01	0.03	1.46	0.127	0.64
JO4523	0.08	33.3	2.42	34.8	<.01	<.01	1.25	0.142	0.60
JO4524	0.06	35.2	2.22	35.4	<.01	<.01	0.64	0.108	0.72
JO4525	0.06	35.4	2.00	35.2	<.01	<.01	0.35	0.111	0.73
JO4526	0.06	35.6	1.91	36.9	<.01	<.01	0.88	0.101	0.76
JO4527	0.07	36.1	2.00	35.5	<.01	<.01	0.05	0.096	0.69
JO4528	0.08	35.6	2.18	34.9	<.01	<.01	0.04	0.069	0.63
JO4529	0.06	35.4	1.69	34.7	<.01	<.01	0.29	0.096	0.70
JO4530	0.05	32.2	1.87	32.1	<.01	<.01	1.23	0.071	0.53
JO4531	0.05	30.1	1.58	30.2	<.01	<.01	4.63	0.088	0.47
JO4532	0.06	34.0	1.85	34.5	<.01	<.01	2.12	0.116	0.58
JO4533	0.06	35.2	1.95	35.8	<.01	<.01	1.15	0.091	0.63
JO4534	0.06	35.4	1.63	34.6	<.01	<.01	0.52	0.126	0.64
JO4535	0.05	35.0	1.80	34.3	<.01	<.01	1.85	0.081	0.67
JO4536	0.24	20.1	7.39	29.5	0.14	3.11	8.65	0.862	0.24
JO4537	0.05	32.0	1.71	32.3	<.01	<.01	5.19	0.084	0.55
JO4538	0.07	37.0	1.79	35.6	<.01	<.01	0.11	0.081	0.64
JO4539	0.06	36.7	1.80	35.7	<.01	<.01	0.27	0.079	0.64
JO4540	0.04	36.7	1.92	36.1	<.01	<.01	0.40	0.089	0.66
JO4541	0.06	34.9	2.00	35.2	<.01	<.01	1.61	0.092	0.61
JO4542	0.07	33.7	1.85	33.6	<.01	0.01	2.56	0.094	0.61
JO4543	0.46	19.5	5.50	30.7	0.79	1.89	9.85	3.20	0.09
JO4544	0.06	35.6	1.82	35.7	<.01	<.01	0.54	0.110	0.70
JO4545	0.07	30.3	1.71	33.3	<.01	0.02	5.57	0.085	0.52
JO4546	0.07	34.6	1.92	36.1	<.01	<.01	0.55	0.084	0.65
JO4547	0.06	32.6	1.81	32.4	<.01	<.01	3.09	0.071	0.59
JO4548	0.07	34.6	1.88	35.3	<.01	<.01	1.19	0.080	0.61
JO4549	0.07	35.6	1.73	35.0	<.01	<.01	0.72	0.093	0.63
JO4550	0.09	36.9	1.87	35.6	<.01	<.01	0.91	0.082	0.67
JO4551	0.06	36.0	2.13	35.6	<.01	<.01	0.97	0.097	0.64
JO4552	0.08	36.9	2.37	37.0	<.01	<.01	1.21	0.129	0.62
JO4553	2.05	8.36	15.4	47.4	0.08	0.60	9.47	0.418	0.03
JO4554	4.44	3.79	15.5	55.0	0.14	0.18	6.44	0.898	0.01
JO4555	4.44	3.67	16.5	55.4	0.12	0.07	6.27	0.795	<.01
JO4556	3.68	3.35	14.9	56.2	0.13	0.28	6.56	0.780	<.01
JO4557	2.84	5.29	13.8	47.3	0.10	1.27	8.22	1.14	<.01
JO4558	2.69	5.81	13.2	47.6	0.11	1.32	9.19	1.12	<.01
JO4559	0.17	26.2	4.58	41.1	<.01	<.01	5.24	0.179	0.29
JO4560	4.01	5.60	12.7	39.4	0.51	1.71	13.2	0.797	0.02
JO4561	4.05	3.51	14.2	61.4	0.15	0.51	4.30	0.616	0.01
JO4562	3.45	3.65	15.5	55.0	0.21	1.13	7.33	0.874	0.01
JO4563	0.10	34.2	2.93	36.5	<.01	<.01	0.47	0.138	0.57
JO4564	0.08	34.4	2.46	36.6	<.01	<.01	1.31	0.131	0.58
JO4565	0.07	33.5	2.41	35.6	<.01	<.01	1.16	0.118	0.53
JO4566	0.06	35.6	2.46	37.2	<.01	<.01	0.49	0.131	0.63
JO4567	0.07	35.0	2.37	36.5	<.01	<.01	1.36	0.114	0.60
JO4568	0.07	34.8	2.30	36.2	<.01	<.01	1.17	0.123	0.60
JO4569	0.07	35.3	2.29	35.9	<.01	<.01	0.64	0.112	0.60
JO4570	0.05	30.8	1.84	33.8	<.01	<.01	1.96	0.099	0.47
JO4571	0.06	35.9	2.29	36.3	<.01	<.01	0.59	0.120	0.68
JO4572	0.06	33.9	2.63	35.4	0.08	<.01	0.78	0.143	0.59
JO4573	0.08	35.3	2.16	36.5	<.01	<.01	1.24	0.114	0.62

SAMPLE	NA2O % XRF-F 0.01	MGO % XRF-F 0.01	AL2O3 % XRF-F 0.01	SIO2 % XRF-F 0.01	P2O5 % XRF-F 0.01	K2O % XRF-F 0.01	CAO % XRF-F 0.01	TIO2 % XRF-F 0.001	CR2O3 % XRF-F 0.01
JO4574	0.11	27.9	2.03	34.1	<.01	0.04	3.22	0.115	0.55
JO4575	0.09	34.7	2.39	36.3	<.01	<.01	1.32	0.133	0.61
JO4576	0.12	35.2	2.70	37.0	<.01	0.03	1.58	0.120	0.63
JO4577	0.07	33.8	2.87	36.3	<.01	<.01	2.14	0.148	0.57
JO4578	0.07	25.2	4.79	33.5	0.02	<.01	6.18	0.246	0.38
JO4579	7.05	1.00	14.0	69.6	0.07	0.25	1.93	0.209	<.01
JO4580	0.24	22.3	7.05	40.2	0.02	<.01	5.78	0.353	0.30
JO4581	3.92	5.65	15.3	50.1	0.19	0.55	7.72	0.949	0.02
JO4501	0.17	33.6	2.75	36.4	<.01	0.02	1.80	0.130	0.60
JO4514	0.06	33.3	1.75	34.0	<.01	<.01	1.60	0.089	0.61
JO4528	0.10	35.5	2.20	34.9	<.01	0.01	0.05	0.072	0.64
JO4542	0.06	33.7	1.83	33.6	<.01	<.01	2.55	0.088	0.60
JO4556	3.69	3.34	14.9	56.2	0.13	0.28	6.57	0.793	<.01
JO4569	0.06	35.5	2.29	36.1	<.01	<.01	0.65	0.119	0.59

SAMPLE	MNO % XRF-F 0.01	FE2O3 % XRF-F 0.01	RB PPM XRF-F 2	SR PPM XRF-F 2	Y PPM XRF-F 2	ZR PPM XRF-F 2	NB PPM XRF-F 2	BA PPM XRF-F 20	LOI % XRF-F 0.01
JO4501	0.16	13.1	∅	35	6	19	∅	74	11.5
JO4502	0.16	13.1	∅	34	2	17	∅	82	12.1
JO4503	0.13	11.8	∅	37	2	17	∅	92	14.1
JO4504	0.15	10.4	∅	30	5	14	∅	89	13.2
JO4505	0.17	13.9	∅	34	5	12	2	73	13.4
JO4506	0.14	12.1	∅	30	3	14	∅	67	12.8
JO4507	0.26	15.5	∅	64	7	19	∅	80	16.0
JO4508	0.20	12.9	∅	204	17	18	2	104	14.1
JO4509	0.20	13.0	∅	46	3	16	2	89	14.7
JO4510	0.19	12.4	∅	95	3	18	∅	118	21.1
JO4511	0.18	13.5	∅	46	∅	19	∅	88	13.6
JO4512	0.12	13.5	∅	33	7	12	∅	86	13.0
JO4513	0.21	9.83	∅	116	2	13	6	124	21.0
JO4514	0.17	14.4	∅	51	∅	13	∅	110	13.9
JO4515	0.10	13.3	∅	35	6	15	∅	79	14.2
JO4516	0.22	14.6	∅	35	5	15	∅	100	14.2
JO4517	0.14	13.0	∅	23	4	19	∅	61	13.6
JO4518	0.18	12.6	∅	71	7	13	∅	122	20.9
JO4519	0.16	13.3	∅	31	3	16	∅	57	12.2
JO4520	0.16	12.7	∅	46	3	15	∅	98	11.8
JO4521	0.19	13.4	∅	50	∅	17	∅	67	11.0
JO4522	0.18	14.1	∅	32	2	16	∅	65	9.15
JO4523	0.20	14.7	∅	19	∅	16	∅	75	12.7
JO4524	0.15	14.3	∅	17	∅	15	∅	75	11.2
JO4525	0.20	13.2	∅	20	2	15	∅	98	12.1
JO4526	0.17	11.8	∅	29	6	15	∅	92	11.8
JO4527	0.10	13.4	∅	16	∅	14	∅	77	12.1
JO4528	0.14	13.6	∅	20	2	13	∅	84	12.9
JO4529	0.23	14.3	∅	15	∅	14	∅	91	12.6
JO4530	0.26	20.1	∅	12	∅	13	∅	71	11.9
JO4531	0.20	19.3	∅	39	∅	15	∅	89	13.8
JO4532	0.18	14.4	∅	22	∅	17	∅	86	12.4
JO4533	0.18	13.0	∅	20	∅	14	3	71	12.2
JO4534	0.22	15.1	∅	18	3	19	6	83	12.1
JO4535	0.14	13.0	∅	26	∅	13	∅	87	13.5
JO4536	0.25	17.1	54	240	11	83	6	625	12.7
JO4537	0.21	12.1	∅	46	∅	12	∅	106	16.3
JO4538	0.13	13.2	∅	20	3	12	∅	61	12.1
JO4539	0.16	12.8	∅	17	∅	12	∅	70	12.1
JO4540	0.10	12.8	∅	21	3	12	∅	86	12.0
JO4541	0.19	12.6	∅	36	∅	15	∅	87	13.1
JO4542	0.26	13.4	∅	72	∅	15	∅	86	14.2
JO4543	0.25	15.0	70	809	27	258	94	1120	12.7
JO4544	0.11	13.3	∅	31	5	14	6	78	12.3
JO4545	0.20	11.3	∅	242	5	13	∅	93	17.4
JO4546	0.13	13.7	∅	27	2	17	∅	88	12.5
JO4547	0.20	14.7	∅	106	4	14	∅	79	14.9
JO4548	0.13	13.2	∅	39	∅	16	∅	80	13.2
JO4549	0.15	13.6	∅	23	∅	17	∅	80	12.6
JO4550	0.16	14.0	∅	19	∅	14	∅	59	9.95
JO4551	0.17	13.6	∅	30	∅	18	∅	84	10.9
JO4552	0.18	13.7	∅	29	2	22	∅	69	8.50
JO4553	0.17	10.9	∅	202	13	69	5	348	2.60

SAMPLE	MNO % XRF-F 0.01	FE2O3 % XRF-F 0.01	RB PPM XRF-F 2	SR PPM XRF-F 2	Y PPM XRF-F 2	ZR PPM XRF-F 2	NB PPM XRF-F 2	BA PPM XRF-F 20	LOI % XRF-F 0.01
JO4555	0.13	8.27	<2	238	18	92	3	74	2.75
JO4556	0.12	7.90	<2	169	13	92	4	105	4.30
JO4557	0.19	14.2	29	222	24	82	5	316	5.05
JO4558	0.21	15.1	29	191	19	87	4	342	3.75
JO4559	0.17	12.0	<2	67	5	22	<2	62	10.4
JO4560	0.18	10.3	34	516	25	90	6	620	10.5
JO4561	0.13	7.14	8	332	14	106	3	334	1.85
JO4562	0.12	8.30	20	465	17	123	6	460	2.55
JO4563	0.18	14.9	<2	20	<2	16	<2	83	10.7
JO4564	0.19	13.8	<2	27	<2	14	<2	80	10.8
JO4565	0.18	15.9	<2	24	<2	17	<2	79	10.7
JO4566	0.19	12.5	<2	21	<2	15	24	60	11.1
JO4567	0.18	12.8	<2	26	4	16	2	73	11.0
JO4568	0.18	13.7	<2	23	2	14	<2	65	10.9
JO4569	0.18	13.9	<2	20	2	14	<2	85	11.3
JO4570	0.19	21.3	<2	14	<2	14	<2	63	9.70
JO4571	0.20	12.4	<2	20	3	16	<2	67	11.6
JO4572	0.19	15.5	<2	27	4	22	<2	83	11.0
JO4573	0.19	14.9	<2	20	<2	15	<2	74	9.00
JO4574	0.18	12.9	<2	93	4	17	<2	117	19.3
JO4575	0.21	13.7	<2	20	<2	17	<2	84	10.1
JO4576	0.17	13.8	<2	24	3	16	<2	51	8.40
JO4577	0.16	13.1	<2	21	<2	17	<2	77	11.2
JO4578	0.27	13.0	<2	278	5	23	4	135	16.8
JO4579	<.01	1.68	7	644	13	106	2	275	1.25
JO4580	0.20	13.3	<2	87	5	27	<2	58	9.60
JO4581	0.12	10.1	10	382	20	91	4	169	2.65
JO4501	0.16	13.2	<2	33	5	17	<2	78	11.6
D JO4514	0.17	14.5	<2	52	<2	15	<2	114	13.9
JO4528	0.14	13.6	<2	21	<2	13	<2	83	12.8
JO4542	0.26	13.4	<2	73	2	14	<2	84	14.3
JO4556	0.12	7.89	<2	170	11	94	3	115	4.40
JO4569	0.18	13.8	<2	20	<2	15	<2	85	11.3

SAMPLE	SUM % XRF-F 0.1
JO4501	100.0
JO4502	100.1
JO4503	100.1
JO4504	100.1
JO4505	100.2
JO4506	100.2
JO4507	100.4
JO4508	98.5
JO4509	100.4
JO4510	100.6
JO4511	100.2
JO4512	100.3
JO4513	100.4
JO4514	100.4
JO4515	100.2
JO4516	100.4
JO4517	100.3
JO4518	100.6
JO4519	100.2
JO4520	100.2
JO4521	100.3
JO4522	100.2
JO4523	100.2
JO4524	100.0
JO4525	99.4
JO4526	100.0
JO4527	100.1
JO4528	100.2
JO4529	100.1
JO4530	100.3
JO4531	100.4
JO4532	100.2
JO4533	100.3
JO4534	100.4
JO4535	100.4

SAMPLE	SUM % XRF-F 0.1
JO4536	100.4
JO4537	100.5
JO4538	100.7
JO4539	100.3
JO4540	100.8
JO4541	100.4
JO4542	100.4
JO4543	100.2
JO4544	100.3
JO4545	100.5
JO4546	100.3
JO4547	100.4
JO4548	100.3
JO4549	100.2
JO4550	100.2
JO4551	100.2
JO4552	100.7
JO4553	97.6
JO4554	97.3
JO4555	98.5
JO4556	98.2
JO4557	99.5
JO4558	100.2
JO4559	100.3
JO4560	99.1
JO4561	98.0
JO4562	98.2
JO4563	100.7
JO4564	100.4
JO4565	100.2
JO4566	100.4
JO4567	100.0
JO4568	100.1
JO4569	100.3
JO4570	100.2
JO4571	100.2
JO4572	100.3
JO4573	100.1
JO4574	100.5
JO4575	99.6
JO4576	99.8
JO4577	100.4
JO4578	100.5
JO4579	97.2
JO4580	99.4
JO4581	97.3
JO4501	100.4
JO4514	100.0
JO4528	100.0
JO4542	100.4
JO4556	98.4
JO4569	100.6

78124



# LES LABORATOIRES XRAL LABORATORIES

UNE DIVISION DE / A DIVISION OF SGS CANADA INC.  
129 AVE. RÉAL CAQUETTE • C.P. 2283 • ROUYN-NORANDA • QUÉBEC J9X 5A9  
TÉL.: (819) 764-9108 FAX: (819) 764-4673

your ref: MONTCALM  
98424

our ref: 7567/R7119

CERTIFICAT D'ANALYSE/ASSAY CERTIFICATE  
March 19/96

TECK EXPLORATION LTD  
R.R.#5-19 LEGAULT STREET  
NORTH BAY, ONTARIO  
PIB 8Z4

ATTENTION: MAURICE Y HOULE

Date soumis/Submitted: March 1st, 1996

No. of samples: 31

No. of pages: 3

ELEMENTS	METHOD	DETECTION LIMIT
WRMAJ %	XRF-F	0.01
WRMIN PPM	XRF-F	2
BA PPM	XRF-F	20

Certifie par/Certified by:

J.J. Landers Gerant/Manager

SAMPLE	NA2O % XRF-F 0.01	MGO % XRF-F 0.01	AL2O3 % XRF-F 0.01	SIO2 % XRF-F 0.01	P2O5 % XRF-F 0.01	K2O % XRF-F 0.01	CAO % XRF-F 0.01	TIO2 % XRF-F 0.001	CR2O3 % XRF-F 0.01
J04001	2.12	6.34	15.0	45.6	<.01	0.27	9.67	1.84	0.03
J04002	2.49	7.45	15.4	48.6	0.03	0.30	7.28	0.898	0.04
J04003	1.89	8.03	15.0	47.5	<.01	0.35	9.88	0.449	0.06
J04004	1.85	8.01	15.0	48.3	<.01	0.16	10.4	0.461	0.04
J04005	2.43	6.15	16.2	49.0	0.02	0.15	9.20	0.489	0.02
J04006	2.02	4.81	17.4	42.9	0.02	0.17	8.66	0.155	0.03
J04007	1.75	7.68	14.5	47.6	0.02	0.26	10.3	0.709	0.03
J04008	2.73	5.01	18.1	50.7	0.03	0.15	7.86	0.181	0.02
J04009	3.24	8.73	12.7	47.1	0.38	0.36	8.88	1.05	0.05
J04010	1.81	5.97	13.6	43.5	0.02	0.34	9.50	2.55	<.01
J04011	1.56	5.59	14.2	43.9	<.01	0.13	13.1	1.41	0.02
J04012	1.97	6.80	13.4	45.4	0.03	0.12	10.2	1.60	<.01
J04582	0.11	34.1	1.80	34.1	<.01	<.01	2.19	0.095	0.61
J04583	0.13	35.5	2.01	35.6	<.01	<.01	0.32	0.113	0.62
J04584	0.12	34.5	1.61	34.1	<.01	<.01	1.75	0.101	0.64
J04585	0.09	34.1	1.44	33.2	<.01	<.01	1.24	0.095	0.61
J04586	0.08	35.4	1.60	34.8	<.01	<.01	0.68	0.074	0.64
J04587	0.11	33.9	1.57	34.7	<.01	<.01	0.95	0.074	0.66
J04588	0.08	34.2	1.47	33.2	<.01	<.01	0.86	0.072	0.63
J04589	0.07	36.0	1.50	35.0	<.01	<.01	0.24	0.080	0.72
J04590	0.08	36.4	1.28	35.0	<.01	<.01	0.31	0.085	0.73
J04591	1.76	10.6	15.7	47.9	<.01	1.16	8.84	0.461	0.08
J04592	2.75	4.55	19.7	49.6	0.08	0.71	9.49	0.504	0.02
J04593	2.64	7.91	16.8	48.8	0.03	0.57	7.68	0.401	0.04
J04594	1.93	7.87	15.0	46.6	0.01	0.60	9.64	0.784	0.04
J04595	1.48	7.21	13.6	42.6	0.02	0.91	9.48	0.760	0.03
J04596	1.71	7.45	15.2	48.9	0.02	0.44	9.77	0.446	0.04
J04597	0.61	10.2	14.0	42.6	<.01	0.40	11.1	0.246	0.06
J04598	2.34	6.91	14.1	49.6	0.03	2.60	8.43	0.524	0.03
J04599	3.64	9.19	12.0	49.5	0.38	0.09	7.90	0.825	0.03
J04600	1.74	6.08	13.7	42.8	<.01	0.40	9.48	2.63	<.01
J04001	2.12	6.35	15.1	46.0	<.01	0.28	9.69	1.84	0.02
J04583	0.12	35.4	2.01	35.6	<.01	<.01	0.31	0.106	0.62
J04597	0.63	10.3	14.1	42.8	<.01	0.40	11.1	0.250	0.06

SAMPLE	MNO % XRF-F 0.01	FE2O3 % XRF-F 0.01	RB PPM XRF-F 2	SR PPM XRF-F 2	Y PPM XRF-F 2	ZR PPM XRF-F 2	NB PPM XRF-F 2	BA PPM XRF-F 20	LOI % XRF-F 0.01
J04001	0.21	15.7	<2	185	2	18	<2	99	1.70
J04002	0.22	12.7	<2	150	5	32	18	89	2.55
J04003	0.17	10.3	<2	260	4	22	75	125	2.95
J04004	0.17	10.5	<2	165	6	20	<2	93	2.00
J04005	0.19	11.2	5	208	4	25	<2	124	1.95
J04006	0.24	17.0	<2	233	<2	34	<2	128	3.55
J04007	0.20	12.1	<2	149	6	30	<2	105	1.40
J04008	0.15	9.08	11	266	6	43	<2	129	3.10
J04009	0.14	10.7	<2	402	17	131	52	187	4.80
J04010	0.22	17.9	<2	180	5	30	<2	195	2.90
J04011	0.26	15.3	<2	141	7	22	<2	70	2.70
J04012	0.21	16.0	<2	148	4	34	<2	73	1.45
J04582	0.19	14.4	<2	24	<2	14	<2	79	12.8
J04583	0.12	14.0	<2	22	<2	13	<2	85	11.8
J04584	0.19	14.0	<2	32	<2	13	<2	86	13.4
J04585	0.19	13.2	<2	60	3	15	<2	101	16.3
J04586	0.14	14.2	<2	21	<2	13	<2	78	12.7
J04587	0.15	12.8	9	44	2	13	2	79	15.6
J04588	0.21	13.5	<2	36	<2	13	<2	85	16.3
J04589	0.15	13.9	<2	18	<2	12	47	72	12.7
J04590	0.15	13.9	<2	21	2	15	11	74	12.5
J04591	0.17	10.8	48	238	5	18	<2	369	2.80
J04592	0.09	6.61	9	352	8	61	2	216	3.60
J04593	0.14	9.87	33	288	7	33	<2	186	3.70
J04594	0.18	11.7	12	243	7	22	<2	138	3.45
J04595	0.17	11.9	6	111	11	34	11	165	12.0
J04596	0.18	10.7	8	224	12	37	<2	127	2.85
J04597	0.17	10.9	<2	128	3	16	<2	184	8.45
J04598	0.16	9.91	60	137	9	24	<2	769	3.15
J04599	0.15	9.00	<2	201	20	133	7	84	4.50
J04600	0.25	18.7	6	190	4	21	<2	106	1.70
J04001	0.21	15.8	<2	186	2	19	<2	104	1.75
J04583	0.12	14.0	<2	21	<2	13	<2	87	12.0
J04597	0.17	10.9	<2	130	4	14	<2	178	8.50



SAMPLE	SUM % XRF-F 0.1
J04001	98.5
J04002	98.0
J04003	96.6
J04004	96.9
J04005	97.0
J04006	97.0
J04007	96.6
J04008	97.2
J04009	98.2
J04010	98.4
J04011	98.2
J04012	97.2
J04582	100.4
J04583	100.2
J04584	100.4
J04585	100.5
J04586	100.3
J04587	100.5
J04588	100.5
J04589	100.4
J04590	100.4
J04591	100.3
J04592	97.8
J04593	98.6
J04594	97.8
J04595	100.2
J04596	97.8
J04597	98.8
J04598	97.9
J04599	97.3
J04600	97.5
J04001	99.2
D J04583	100.3
J04597	99.3



# Swastika Laboratories

A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

Established 1928

## Geochemical Analysis Certificate

6W-1012-RG1

Company: **TECK EXPLORATION LTD**

Date: MAR-21-96

Project: 98424

Attn: M. Houle

We hereby certify the following Geochemical Analysis of 29 Core samples submitted MAR-18-96 by .

Sample Number	Au PPB	Au Check PPB	Cu PPM	Ni PPM
J 04809	22	-	71	110
J 04810	17	-	29	91
J 04811	14	-	102	113
J 04812	7	-	34	97
J 04813	5	5	60	66
J 04814	3	-	86	106
J 04815	7	-	94	107
J 04816	9	-	45	114
J 04817	24	21	92	61
J 04818	9	7	83	123
J 04819	3	-	364	84
J 04820	2	-	319	66
J 04821	Ni l	-	521	60
J 04822	5	-	188	81
J 04823	17	-	385	62
J 04824	3	-	183	203
J 04825	69	67	3030	161
J 04826	5	-	106	59
J 04827	2	-	139	55
J 04828	12	-	155	49
J 04829	2	-	19	6
J 04830	5	-	100	57
J 04831	3	-	175	62
J 04832	3	-	126	68
J 04833	Ni l	-	71	32
J 04834	3	5	107	50
J 04835	7	-	44	41
J 04836	Ni l	-	43	28
J 04888	3	-	15	95

One assay ton portion used.

Certified by

P.O. Box 10, Swastika, Ontario P0K 1T0

Telephone (705) 642-3944

FAX (705) 642-3300



# Swastika Laboratories

A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

Established 1928

Page 1 of 2

## Geochemical Analysis Certificate

6W-1154-RG1

Company: **TECK EXPLORATION LTD**  
Project: 98424  
Attn: M. Houle

Date: APR-01-96

We hereby certify the following Geochemical Analysis of 43 Core samples submitted MAR-27-96 by .

Sample Number	Au PPB	Au Check PPB	Cu PPM	Ni PPM
4101	Ni1	-	28	73
4102	3	7	113	69
4103	Ni1	-	39	89
4104	Ni1	-	52	75
4105	Ni1	-	70	81
4106	Ni1	-	41	97
4107	Ni1	-	61	83
4108	2	-	44	49
4109	5	-	142	95
4110	14	-	63	86
4111	10	9	72	43
4112	Ni1	-	110	45
4113	3	-	128	49
4114	5	-	82	59
4115	3	-	155	65
4116	Ni1	-	142	58
4117	Ni1	-	148	53
4118	3	-	159	58
4119	2	-	144	59
4120	5	7	151	60
4121	Ni1	-	121	56
4122	2	-	161	61
4123	Ni1	-	62	27
4124	2	-	160	72
4125	Ni1	-	23	75
4126	Ni1	-	33	28
4127	17	-	492	78
4128	12	12	161	68
4129	Ni1	-	539	34
4130	Ni1	-	69	4

One assay ton portion used.

Certified by



# Swastika Laboratories

A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

Established 1928

Page 2 of 2

## Geochemical Analysis Certificate

6W-1154-RG1

Company: **TECK EXPLORATION LTD**

Date: APR-01-96

Project: 98424

Attn: M. Houle

We hereby certify the following Geochemical Analysis of 43 Core samples submitted MAR-27-96 by .

Sample Number	Au PPB	Au Check PPB	Cu PPM	Ni PPM
4131	2	-	32	57
4889	Nil	-	55	92
4890	Nil	-	40	72
4891	Nil	-	35	76
4892	2	-	97	126
4893	2	2	47	77
4894	Nil	-	44	73
4895	2	-	44	80
4896	Nil	-	41	87
4897	Nil	-	91	105
4898	5	-	62	89
4899	Nil	Nil	108	41
4900	2	-	32	92

One assay ton portion used.

Certified by

P.O. Box 10, Swastika, Ontario P0K 1T0

Telephone (705)642-3244

FAX (705)642-3300



# Swastika Laboratories

A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

Established 1928

Page 1 of 3

## Geochemical Analysis Certificate

6W-1266-RG1

Company: **TECK EXPLORATION LTD**

Date: APR-08-96

Project: 98424

Attn: M. Houle

We hereby certify the following Geochemical Analysis of 65 Core samples submitted APR-02-96 by .

Sample Number	Au PPB	Au PPB	Cu PPM	Ni PPM
4132	Nil	-	31	82
4133	Nil	-	43	78
4134	7	2	472	81
4135	Nil	-	84	60
4136	Nil	-	77	48
4137	12	-	109	75
4138	7	-	63	24
4139	10	-	174	89
4140	Nil	-	29	73
4141	Nil	-	44	72
4142	Nil	Nil	49	78
4143	2	-	74	114
4144	17	-	191	91
4145	2	-	28	79
4146	5	-	42	62
4147	7	-	54	53
4148	21	-	121	68
4149	9	-	37	71
4150	3	-	51	76
4151	5	-	57	37
4152	3	12	195	77
4153	Nil	-	76	47
4154	15	-	349	455
4155	Nil	-	56	100
4156	2	-	68	104
4157	22	-	72	60
4158	Nil	-	59	53
4159	Nil	-	25	54
4160	3	-	55	67
4161	Nil	2	108	91

One assay ton used

Certified by

P.O. Box 10, Swastika, Ontario P0K 1T0

Telephone (705) 642-3244

FAX (705) 642-3300



# Swastika Laboratories

A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

Established 1928

Page 2 of 3

## Geochemical Analysis Certificate

6W-1266-RG1

Company: **TECK EXPLORATION LTD**  
Project: 98424  
Attn: M. Houle

Date: APR-08-96

We hereby certify the following Geochemical Analysis of 65 Core samples submitted APR-02-96 by .

Sample Number	Au PPB	Au PPB	Cu PPM	Ni PPM
4162	3	-	137	85
4163	2	-	85	88
4164	2	-	93	73
4165	3	-	30	60
4166	7	-	61	68
4167	Ni1	-	29	61
4168	Ni1	-	120	75
4169	5	-	57	76
4170	Ni1	3	96	103
4171	3	-	59	79
4172	17	-	77	77
4173	3	-	15	63
4174	2	-	11	64
4175	Ni1	-	48	68
4176	Ni1	-	34	83
4177	2	-	53	67
4178	Ni1	-	36	71
4179	Ni1	Ni1	84	73
4180	Ni1	-	34	71
4181	2	-	14	65
4182	7	-	25	78
4183	9	-	215	85
4184	3	-	188	74
4185	7	-	42	68
4186	5	-	14	64
4187	2	-	19	81
4188	2	-	17	76
4189	3	2	227	79
4190	3	-	38	79
4191	3	-	74	129

One assay ton used

Certified by



# Swastika Laboratories

A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

Established 1928

Page 3 of 3

## Geochemical Analysis Certificate

6W-1266-RG1

Company: **TECK EXPLORATION LTD**  
Project: 98424  
Attn: M. Houle

Date: APR-08-96

We hereby certify the following Geochemical Analysis of 65 Core samples submitted APR-02-96 by .

Sample Number	Au PPB	Au PPB	Cu PPM	Ni PPM
4192	3	-	268	94
4193	Ni 1	-	129	74
4194	2	-	152	63
4195	125	137	1190	50
4196	12	-	144	69

One assay ton used

Certified by



# Swastika Laboratories

A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

Established 1928

## Assay Certificate

6W-1392-RA1

Company: **TECK EXPLORATION LTD**  
Project: 98424  
Attn: M. Houle

Date: APR-18-96

We hereby certify the following Assay of 21 Core samples submitted APR-11-96 by .

Sample Number	Au PPB	Cu PPM	Ni PPM
J04837	7	32	41
J04197	14	259	611
J04198	2	98	220
J04199	10	125	145
J04200	69	930	848
J04443	7	84	30
J04444	2	120	5
J04445	2	239	25
J04446	2	393	17
J04447	7	121	194
J04448	2	102	168
J04449	2	26	54
J04450	3	15	40
J04451	2	37	36
J04452	3	33	44
J04453	10	39	41
J04454	2	38	42
J04455	189	262	207
J04456	2	31	29
J04457	2	39	30
J04458	3	45	50

MAC 96-18

52% 98424  
48% 98425

One assay ton portion used.

Certified by 

P.O. Box 10, Swastika, Ontario P0K 1T0

Telephone (705) 642-2244

FAX (705) 642-3300





# Swastika Laboratories

A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

Established 1928

## Assay Certificate

6W-1392-RA1

Company: **TECK EXPLORATION LTD**  
Project: 98424  
Attn: M. Houle

Date: APR-18-96

We hereby certify the following Assay of 21 Core samples submitted APR-11-96 by .

Sample Number	Au PPB	Cu PPM	Ni PPM
J04837	7	32	41
J04197	14	259	611
J04198	∅	98	220
J04199	10	125	145
J04200	69	930	848
J04443	7	84	30
J04444	∅	120	5
J04445	∅	239	25
J04446	∅	393	17
J04447	7	121	194
J04448	∅	102	168
J04449	∅	26	54
J04450	3	15	40
J04451	∅	37	36
J04452	3	33	44
J04453	10	39	41
J04454	∅	38	42
J04455	189	262	207
J04456	∅	31	29
J04457	∅	39	30
J04458	3	45	50

One assay ton portion used.

Certified by



Declaration of Assessment Work Performed on Mining Land

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

Transaction Number (office use) W. 9760. 00178 Assessment Files Research Imaging

Personal information c Mining Act, the Informa Questions about this 933 Ramsey Lake Ro



42B09NE0023 2.17524 MONTCALM

66(3) of the Mining Act. Under section 8 of the work and correspond with the mining land holder. Northern Development and Mines, 6th Floor,

900

2.17524

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)

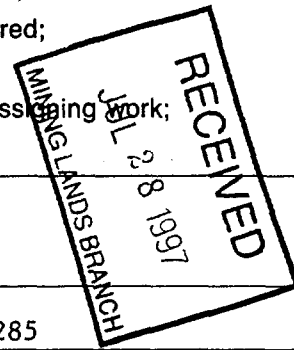
Form with fields for Name, Address, Client Number, Telephone Number, and Fax Number for Teck Exploration Ltd. and Teck Corporation.

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

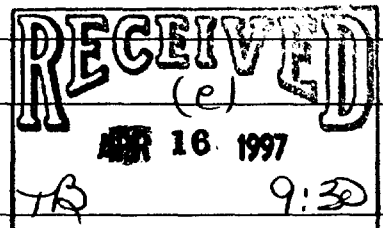
Form with fields for Work Type (Drilling, assays), Office Use, Dates Work Performed, Global Positioning System Data, Township/Area, Mining Division, and Resident Geologist District.

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 assaying work; - include two copies of your technical report.



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

Form with fields for Name, Address, Telephone Number, and Fax Number for Maurice Y. Houle.



4. Certification by Recorded Holder or Agent

I, Maurice Y. Houle, 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.

Form with fields for Signature of Recorded Holder or Agent, Date (April 15, 1997), Agent's Address, Telephone Number, and Fax Number.

3. Work to be recorded and distributed work can only be assigned to the mining land where work was performed, at the time work was performed. A map showing the contiguous link must accompany this form.

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date.
eg TB 7827	16 ha	\$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					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
<b>Column Totals</b>					

**RECEIVED**  
 JUL 28 1997  
 MINING LANDS BRANCH

2.17524

I, MAURICE HOULE (Print Full Name), do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing: *M. Houle* Date: APRIL 15/97

**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 <div style="border: 2px solid black; padding: 5px; text-align: center;"> <b>RECEIVED</b>            (c)  <b>APR 16 1997</b>  <i>TB</i>            PORCUPINE MINING DIVISION            9:30         </div>	Deemed Approved Date	Date Notification Sent
	Date Approved	Total Value of Credit Approved
	Approved for Recording by Mining Recorder (Signature)	

2.17524

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
1113754	1	0	800	0	0 ✓
1113755	1	0	800	0	0 ✓
1113756	1	0	800	0	0 ✓
1113757	1	0	800	0	0 ✓
1113758	1	0	800	0	0 ✓
1113759	1	0	800	0	0 ✓
1113760	1	0	800	0	0 ✓
1113761	1	0	800	0	0 ✓
1113762	1	0	800	0	0 ✓
1113763	1	0	800	0	0 ✓
1113764	1	0	800	0	0 ✓
1113771	1	0	800	0	0 ✓
1113772	1	0	800	0	0 ✓
1113773	1	0	800	0	0 ✓
1113774	1	0	800	0	0 ✓
1113775	1	0	800	0	0 ✓
1113776	1	0	800	0	0 ✓
1113777	1	0	800	0	0 ✓
1113778	1	0	800	0	0 ✓
1113779	1	0	800	0	0 ✓
1113780	1	0	800	0	0 ✓
1113781	1	0	800	0	0 ✓
1113782	1	0	800	0	0 ✓
1113783	1	0	800	0	0 ✓
1113784	1	0	800	0	0 ✓
1113785	1	0	800	0	0 ✓
1113786	1	0	800	0	0 ✓
1113787	1	0	800	0	0 ✓
1113788	1	0	800	0	0 ✓
1113789	1	0	800	0	0 ✓
1113790	1	0	800	0	0 ✓
1113791	1	0	800	0	0 ✓
1113792	1	0	800	0	0 ✓
1113793	1	0	800	0	0 ✓
1113796	1	0	800	0	0 ✓
<b>Column Totals</b>					

RECEIVED  
JUL 28 1997  
MINING LANDS BRANCH

2.17524

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
1113797	1	0	800	0	0
1113798	1	0	800	0	0
1113799	1	0	800	0	0
1113800	1	0	800	0	0
1113801	1	0	800	0	0
1113802	1	0	800	0	0
1113803	1	0	800	0	0
1113804	1	0	800	0	0
1113813	1	0	800	0	0
1113814	1	0	800	0	0
1113815	1	0	800	0	0
1113816	1	0	800	0	0
1113817	1	0	800	0	0
1113818	1	0	800	0	0
1113821	1	0	800	0	0
1113822	1	0	800	0	0
1113823	1	0	800	0	0
1113824	1	0	800	0	0
1113825	1	0	800	0	0
1113826	1	0	800	0	0
1113827	1	0	800	0	0
1113828	1	0	800	0	0
1113829	1	0	800	0	0
1113830	1	0	800	0	0
1113831	1	0	800	0	0
1113832	1	0	800	0	0
1113833	1	0	800	0	0
1113834	1	0	800	0	0
1113835	1	0	800	0	0
1113836	1	0	800	0	0
1113837	1	0	800	0	0
1113838	1	0	800	0	0
1113839	1	0	800	0	0
1113840	1	0	800	0	0
1128009	1	0	800	0	0
<b>Column Totals</b>					

RECEIVED  
 JUL 28 1997  
 MINING LANDS BRANCH



Schedule for Declaration of  
Assessment Work on Mining Land

9760.00178

2.17524

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
1128010	1	0	800	0	0
1128011	1	0	800	0	0
1128012	1	0	800	0	0
1128013	1	0	800	0	0
1128014	1	0	800	0	0
1128015	1	23,654	800	22,400	454
1128016	1	0	800	0	0
1128017	1	0	800	0	0
1128177	1	0	800	0	0
1128178	1	0	800	0	0
1128179	1	0	800	0	0
1128180	1	0	800	0	0
1128181	1	0	800	0	0
1128182	1	0	800	0	0
1128183	1	0	800	0	0
1128184	1	0	800	0	0
1128185	1	0	800	0	0
1128186	1	0	800	0	0
1128187	1	0	800	0	0
1128188	1	0	800	0	0
1128190	1	0	800	0	0
1128191	1	0	800	0	0
1128192	1	0	800	0	0
1128195	1	0	800	0	0
1128196	1	0	800	0	0
1128197	1	0	800	0	0
1128198	1	0	800	0	0
1128199	1	0	800	0	0
1128200	1	0	800	0	0
1128201	1	0	800	0	0
1128202	1	0	800	0	0
1128203	1	0	800	0	0
1128204	1	0	800	0	0
1128205	1	0	800	0	0
1128206	1	0	800	0	0
<b>Column Totals</b>					

RECEIVED  
JUL 28 1997  
MINING CLAIMS BRANCH

2.175

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	Value of work to be distributed at a future date
1128207	1	0	800	0	0
1128208	1	0	800	0	0
1128209	1	0	800	0	0
1128210	1	0	800	0	0
1128211	1	0	800	0	0
1128212	1	0	800	0	0
1128213	1	0	800	0	0
1128214	1	0	800	0	0
1128215	1	0	800	0	0
1128216	1	0	800	0	0
1128217	1	0	800	0	0
1200519	16	0	12,800	0	0
1200520	9	0	7,200	0	0
1200521	9	0	7,200	0	0
1200522	4	0	3,200	0	0
1200523	8	0	6,400	0	0
1200524	6	0	4,800	0	0
1200525	8	0	6,400	0	0
1200526	16	23,310	12,800	10,400	110
1200527	16	0	12,800	0	0
1200528	4	0	3,200	0	0
1200529	16	0	12,800	0	0
1200530	16	0	12,800	0	0
1200531	8	0	6,400	0	0
1200532	16	0	12,800	0	0
1200533	16	50,087	12,800	36,800	487
1200534	8	0	6,400	0	0
1200535	16	11,483	12,800	0	0
1200536	8	0	6,400	0	0
1200537	4	11,483	3,200	8,000	283
1200538	2	0	1,600	0	0
1200539	16	104,951	12,800	91,200	951
1200540	16	24,688	12,800	0	11,888
1200541	16	0	12,800	0	0
1200542	16	0	12,800	0	0
<b>Column Totals</b>					

 RECEIVED  
 JUL 28 1997  
 MINING LANDS BRANCH







Ministry of  
Northern Development  
and Mines

Ministère du  
Développement du Nord  
et des mines

Statement of Costs  
for Assessment Credit

État des coûts aux fins  
du crédit d'évaluation

Mining Act/Loi sur les mines

Transaction No./N° de transaction

W. 9760. 00178

2.17524

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la Loi sur les mines et serviront à tenir à jour un registre des concessions minières. Adresser toute question sur la collecte de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4<sup>e</sup> étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre	63,472	
	Field Supervision Supervision sur le terrain	17,699	81,171
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert- conseil	Type Drilling	303,069	
			303,069
Supplies Used Fournitures utilisées	Type Saw blades, wood	2,197	
	core shack, supplies		
			2,197
Equipment Rental Location de matériel	Type Radios, GPS Rental	1,276	
			1,276
<b>Total Direct Costs Total des coûts directs</b>			<b>387,715</b>

2. Indirect Costs/Coûts indirects

\*\* Note: When claiming Rehabilitation work Indirect costs are not allowable as assessment work.  
Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type Truck, ski-doo	25,060	
			25,060
Food and Lodging Nourriture et hébergement	Hotel, Food	27,652	27,652
Mobilization and Demobilization Mobilisation et démobilisation	Drill mob + demob	15,000	15,000
<b>Sub Total of Indirect Costs Total partiel des coûts indirects</b>			<b>67,712</b>
<b>Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)</b>			<b>67,712</b>
<b>Total Value of Assessment Credit (Total of Direct and Allowable indirect costs)</b>			<b>455,427</b>

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note: Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

Filing Discounts

- Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
- Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit	Total Assessment Claim
	x 0.50 =

Remises pour dépôt

- Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
- Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation	Evaluation totale demandée

Certification Verifying Statement of Costs

I hereby certify:  
that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

that as Project Geologist I am authorized  
(Recorded Holder, Agent, Position in Company)

to make this certification

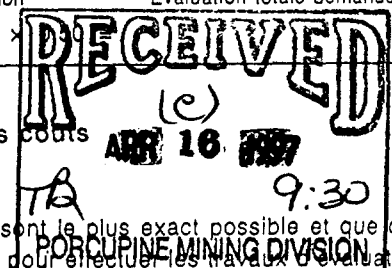
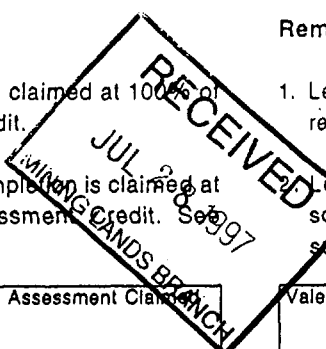
Attestation de l'état des coûts

J'atteste par la présente :  
que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint

Et qu'à titre de \_\_\_\_\_ je suis autorisé  
(titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation.

Signature	Date
	Apr 15, 97



Ministry of  
Northern Development  
and Mines

Ministère du  
Développement du Nord  
et des Mines



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

August 6, 1997

TECK EXPLORATION LTD.  
19 LEGAULT STREET  
RR # 5  
NORTH BAY, ONTARIO  
P1B 8Z4

Telephone: (888) 415-9846  
Fax: (705) 670-5863

Dear Sir or Madam:

**Submission Number: 2.17524**

**Status**

**Subject: Transaction Number(s):** W9760.00178 Deemed 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.

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 Steve Beneteau by e-mail at [beneteau\\_s@torv05.ndm.gov.on.ca](mailto:beneteau_s@torv05.ndm.gov.on.ca) or by telephone at (705) 670-5855.

Yours sincerely,

A handwritten signature in black ink, appearing to read "Blair Kite".

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

# Work Report Assessment Results

---

**Submission Number:** 2.17524

**Date Correspondence Sent:** August 06, 1997

**Assessor:** Steve Beneteau

---

<b>Transaction Number</b>	<b>First Claim Number</b>	<b>Township(s) / Area(s)</b>	<b>Status</b>	<b>Approval Date</b>
W9760.00178	1128015	MONTCALM, NOVA	Deemed Approval	July 15, 1997

**Section:**

10 Physical PDRILL

**Correspondence to:**

Resident Geologist  
South Porcupine, ON

Assessment Files Library  
Sudbury, ON

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

Maurice Y. Houle  
TIMMINS, ONTARIO

TECK EXPLORATION LTD.  
NORTH BAY, ONTARIO

TECK CORPORATION  
VANCOUVER, B.C.

---

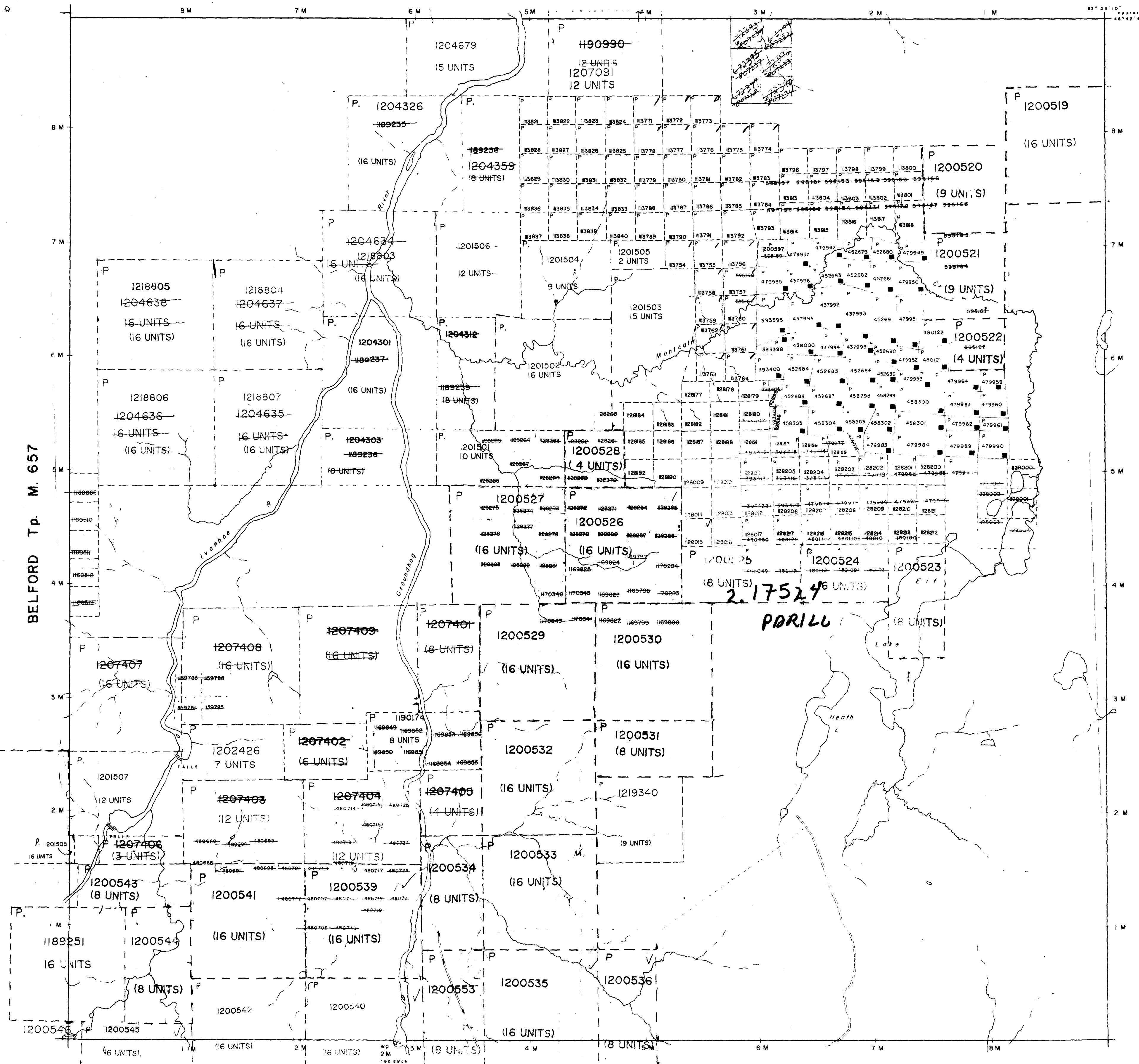
**NOTES**

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

THIS TWP. IS SUBJECT TO FOREST ACTIVITY IN 1995/96. FURTHER INFORMATION AVAILABLE ON FILE.

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.

**POULETT Tp. M. 1063**



2.17524  
PORILL

2.17524  
PORILL

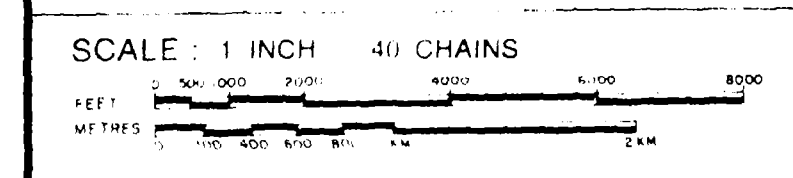
F1 - SUBJECT TO FORESTRY ACTIVITY IN 1993-94 GORDON COSENS F.R.I.A.

**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
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES

**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	◔
CROWN LAND SALE	CS
ORDER-IN-COUNCIL	OC
RESERVATION	⊙
CANCELLED	⊖
SAND & GRAVEL	⊗



ACRES	HECTARES
40	16

Received Nov. 5/02

**MONTCALM**

DISTRICT  
COCHRANE  
MINING DIVISION  
PORCUPINE

Ministry of Natural Resources  
Ontario  
Surveys and Mapping Branch

Date: 12 74 Plan No. G-1182  
Whitney Block  
Queen's Park Toronto

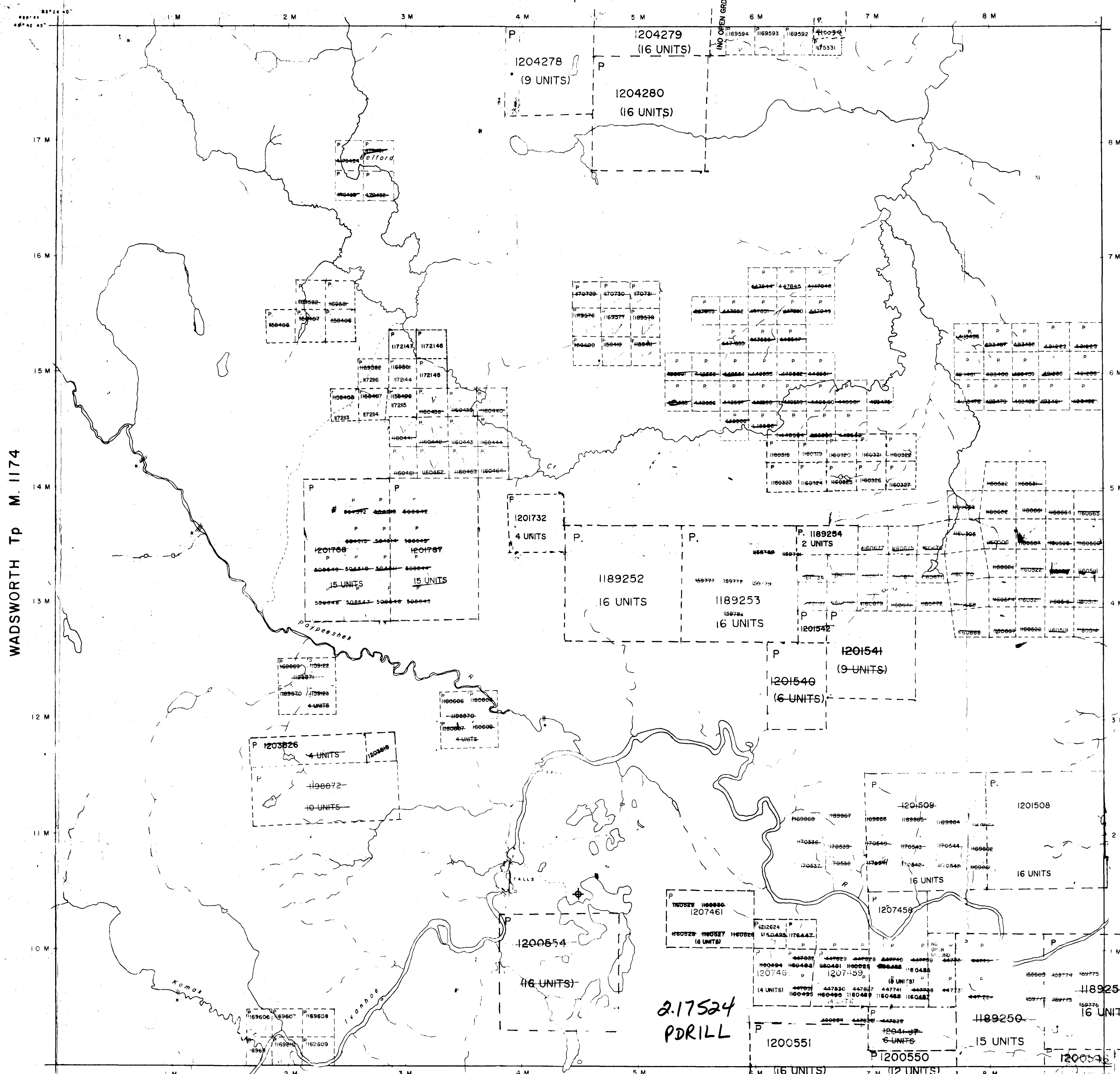


RECEIVED  
JUL 28 1997  
MINING LANDS BRANCH

2.17524



SAND AND GRAVEL



LEGEND

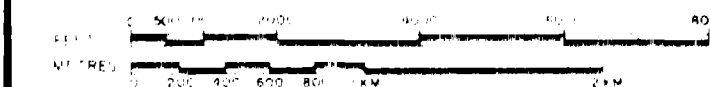
- HIGHWAY AND ROUTE NO.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
  - TOWNSHIPS, BASE LINES, ETC.
  - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES:
  - LOT LINES
  - PARCEL BOUNDARY
  - MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING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

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           |        |
| CROWN LAND SALE                 | CS     |
| ORDER-IN-COUNCIL                | OC     |
| RESERVATION                     |        |
| CANCELLED                       |        |
| SAND & GRAVEL                   |        |
| L.U.P.                          |        |
| REMOTE TOURIST CAMPS            |        |

Received Jan 7/80

SCALE: 1 INCH = 40 CHAINS



ACRES      HECTARES



TOWNSHIP

**BELFORD**

DISTRICT

COCHRANE

MINING DIVISION

PORCUPINE *loc RM*

Ministry of Natural Resources

Ontario Surveys and Mapping Branch

Date: \_\_\_\_\_

Whitney Block  
Queens Park Toronto

G. 1042



RECEIVED  
AUG 08 1997  
1600  
GEOLOGICAL ASSESSMENT  
OFFICE

THE TOWNSHIP  
OF  
**STRACHAN**

DISTRICT OF  
COCHRANE  
PORCUPINE  
MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

**LEGEND**

PATENTED LAND	Ⓟ
CROWN LAND SALE	C.S.
LEASES	Ⓞ
LOCATED LAND	Loc
LICENSE OF OCCUPATION	L.O.
MINING RIGHTS ONLY	M.R.O.
SURFACE RIGHTS ONLY	S.R.O.
ROADS	—
IMPROVED ROADS	—
KING'S HIGHWAYS	—
RAILWAYS	—
POWER LINES	—
MARSH OR MUSKEG	—
MINES	—

**NOTES**

400' Surface Rights Reservation around all lakes & rivers.

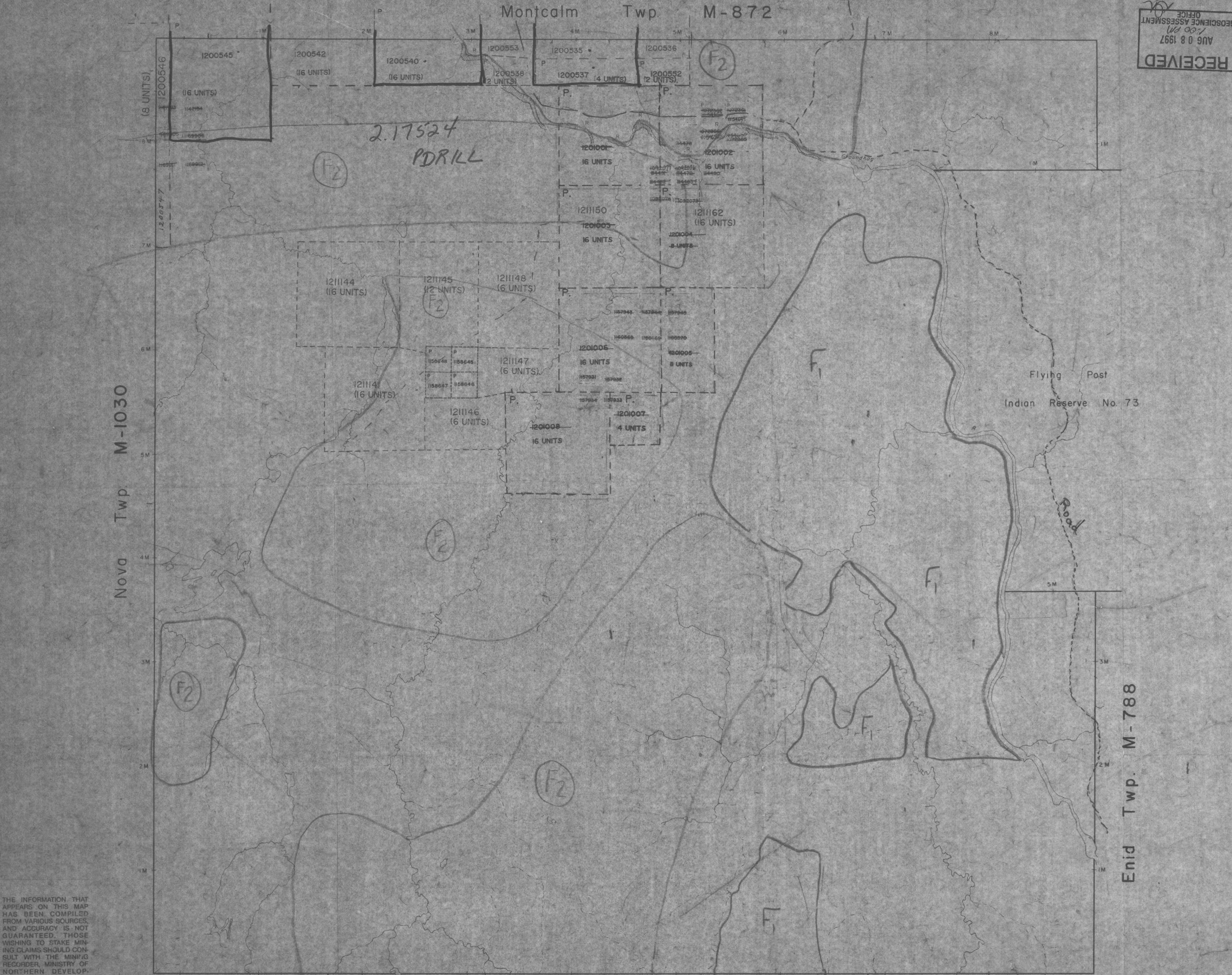
F<sub>1</sub> - SUBJECT TO FORESTRY ACTIVITIES IN 1994/95.

F<sub>2</sub> THIS TWP. IS SUBJECT TO FOREST ACTIVITY IN 1995/96. FURTHER INFORMATION AVAILABLE ON FILE.

ISSUED  
AUG 06 1997  
PORCUPINE MINING DIVISION

Rec. File No.  
PLAN NO. **G-1218**

ONTARIO  
MINISTRY OF NATURAL RESOURCES  
SURVEYS AND MAPPING BRANCH



THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.





2.17524

BELFORD TWP (M.657)

THE TOWNSHIP OF

# NOVA

DISTRICT OF COCHRANE

PORCUPINE MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

RECEIVED  
JUL 28 1997  
MINING LANDS BRANCH

### LEGEND

PATENTED LAND	⊙
CROWN LAND SALE	C.S.
LEASES	⊙
LOCATED LAND	Loc.
LICENSE OF OCCUPATION	L.O.
MINING RIGHTS ONLY	M.R.O.
SURFACE RIGHTS ONLY	S.R.O.
ROADS	—
IMPROVED ROADS	—
KING'S HIGHWAYS	—
RAILWAYS	—
POWER LINES	—
MARSH OR MUSKEG	—
MINES	—
CANCELLED	—

### NOTES

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

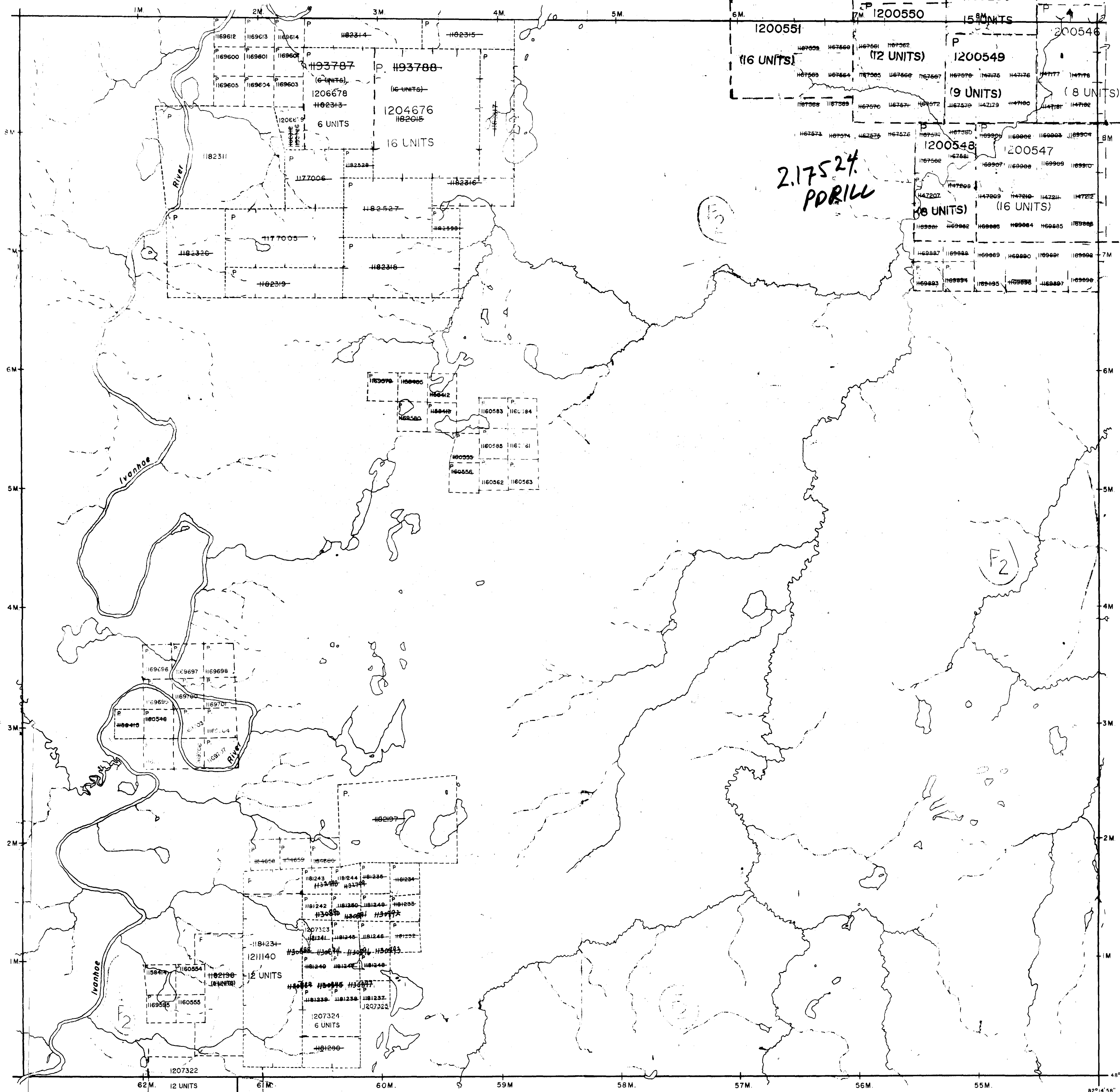
*THIS TWP SUBJECT TO FORESTRY ACTIVITY IN 1994/95*

THIS TWP IS SUBJECT TO FOREST ACTIVITY IN 1995/96. FURTHER INFORMATION AVAILABLE ON FILE.

THIS PLAN IS A PRELIMINARY PLAN AND IS NOT GUARANTEED. THE MINING DIVISION IS NOT RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

PLAN NO. G-1188

ONTARIO  
MINISTRY OF NATURAL RESOURCES  
SURVEYS AND MAPPING BRANCH



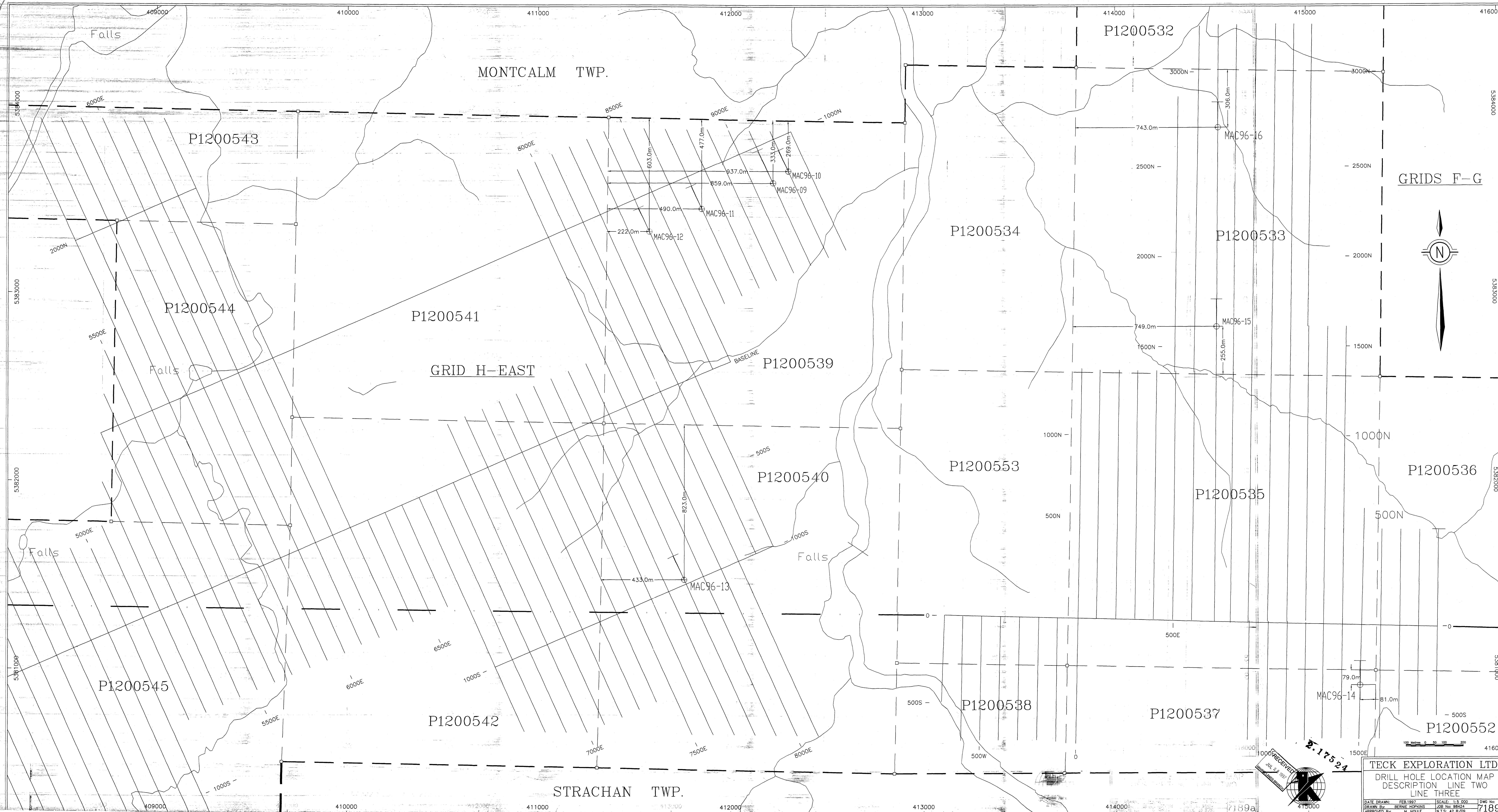
OSSIN TWP (M.1031)

STRACHAN TWP (M.1142)

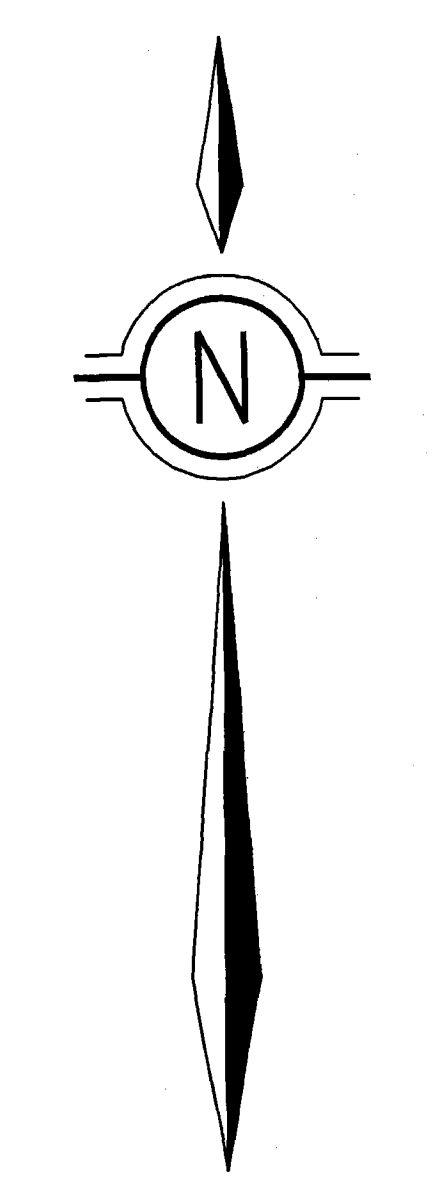
OATES TWP (M.1033)

OSWALD TWP (M.1042)





GRIDS F-G

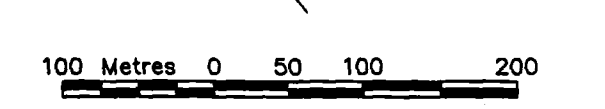
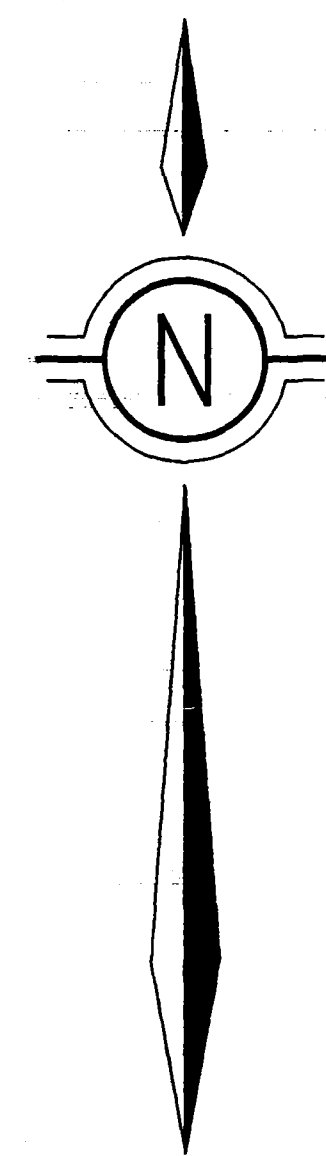
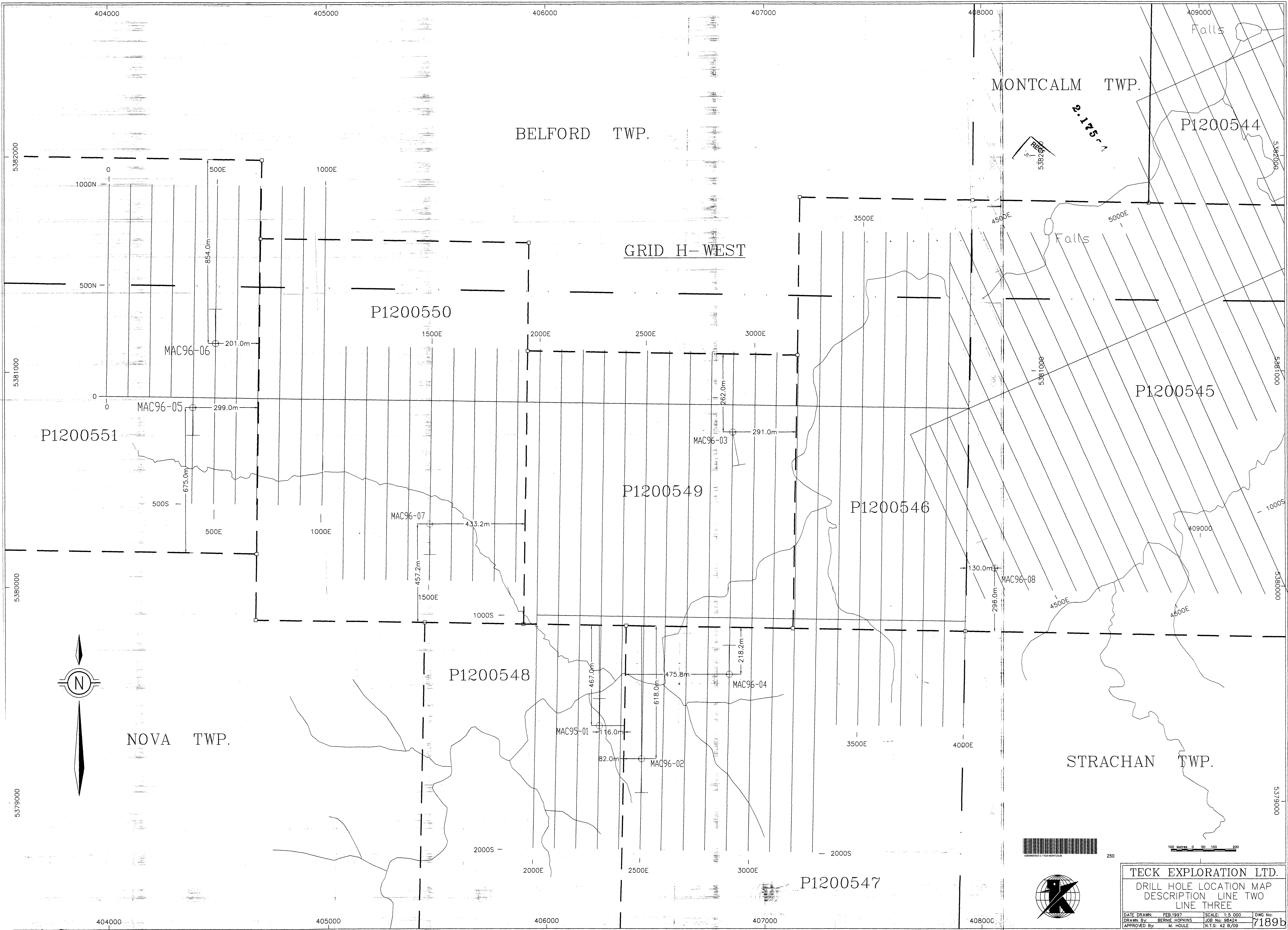


100 METERS 0 50 100 200

RECEIVED  
JUL 23 1997  
TECK EXPLORATION LTD.

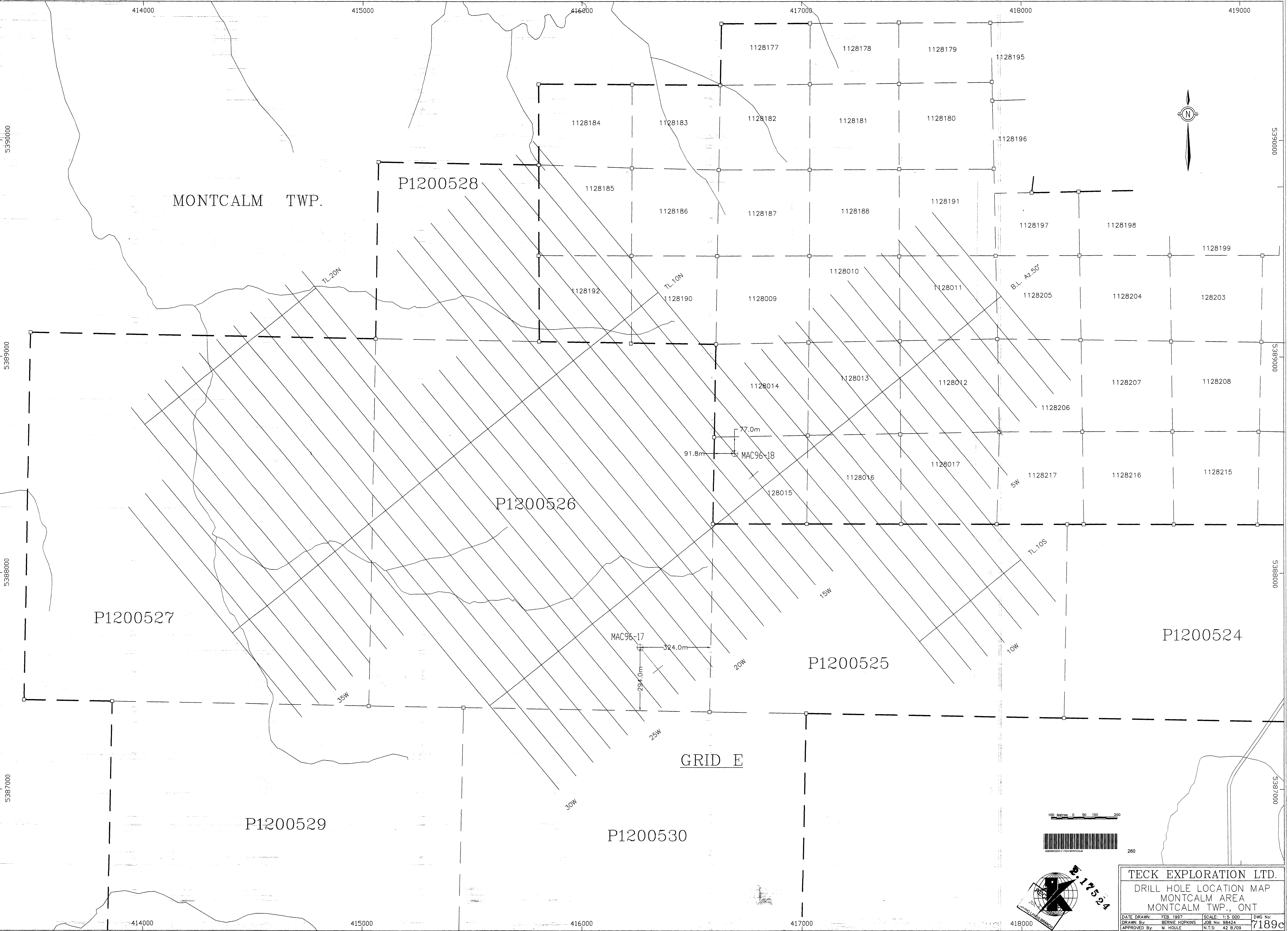
DATE DRAWN: FEB 1997 SCALE: 1:5,000 DWG No: 7189a  
 DRAWN BY: BERNIE HOPKINS JOB NO: 98274  
 APPROVED BY: M. HOLE N.T.S. 42 8/99





TECK EXPLORATION LTD.  
 DRILL HOLE LOCATION MAP  
 DESCRIPTION LINE TWO  
 LINE THREE

DATE DRAWN: FEB 1997	SCALE: 1:5 000	DWG No:
DRAWN BY: BERNIE HOPKINS	JOB No: 88424	7189b
APPROVED BY: M. HOULE	IN.S: 42.5/08	



MONTCALM TWP.

P1200528

P1200526

P1200527

P1200529

P1200530

GRID E

P1200525

P1200524

1128177 1128178 1128179 1128195  
 1128184 1128183 1128182 1128181 1128180 1128196  
 1128185 1128186 1128187 1128188 1128191 1128197 1128198  
 1128192 1128190 1128009 1128010 1128011 1128205 1128204 1128203  
 1128014 1128013 1128012 1128207 1128208  
 1128016 1128017 1128206  
 1128015 1128016 1128017 1128217 1128216 1128215  
 128015 128016 128017 1128217 1128216 1128215

TL-20N

TL-10N

B.L. Az-50°

35W

25W

30W

20W

15W

5W

TL-10S

10W

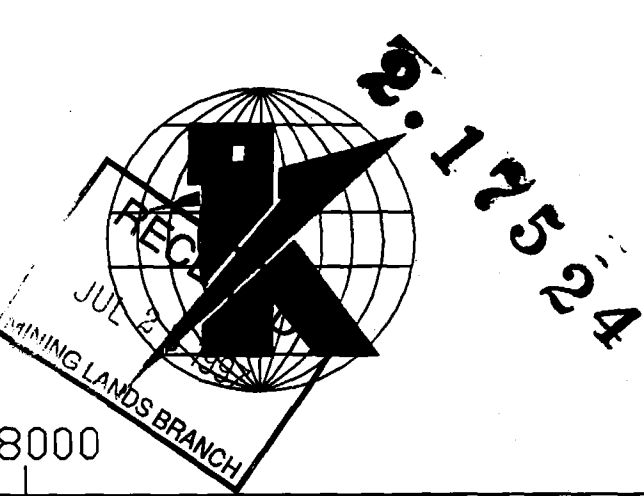
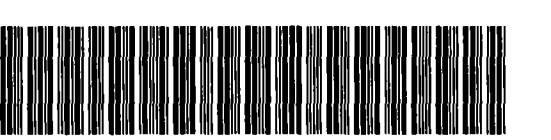
91.8m

77.0m

324.0m

294.0m

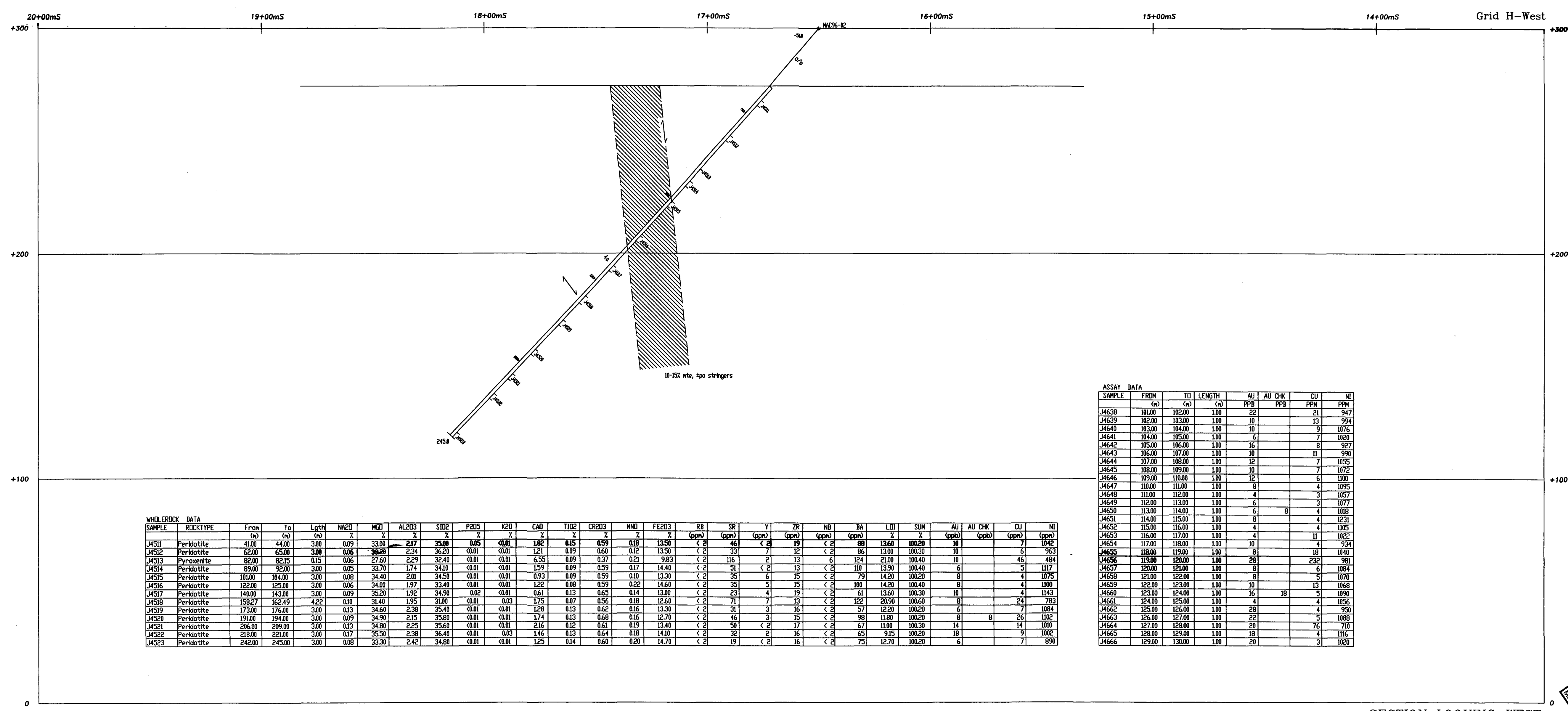
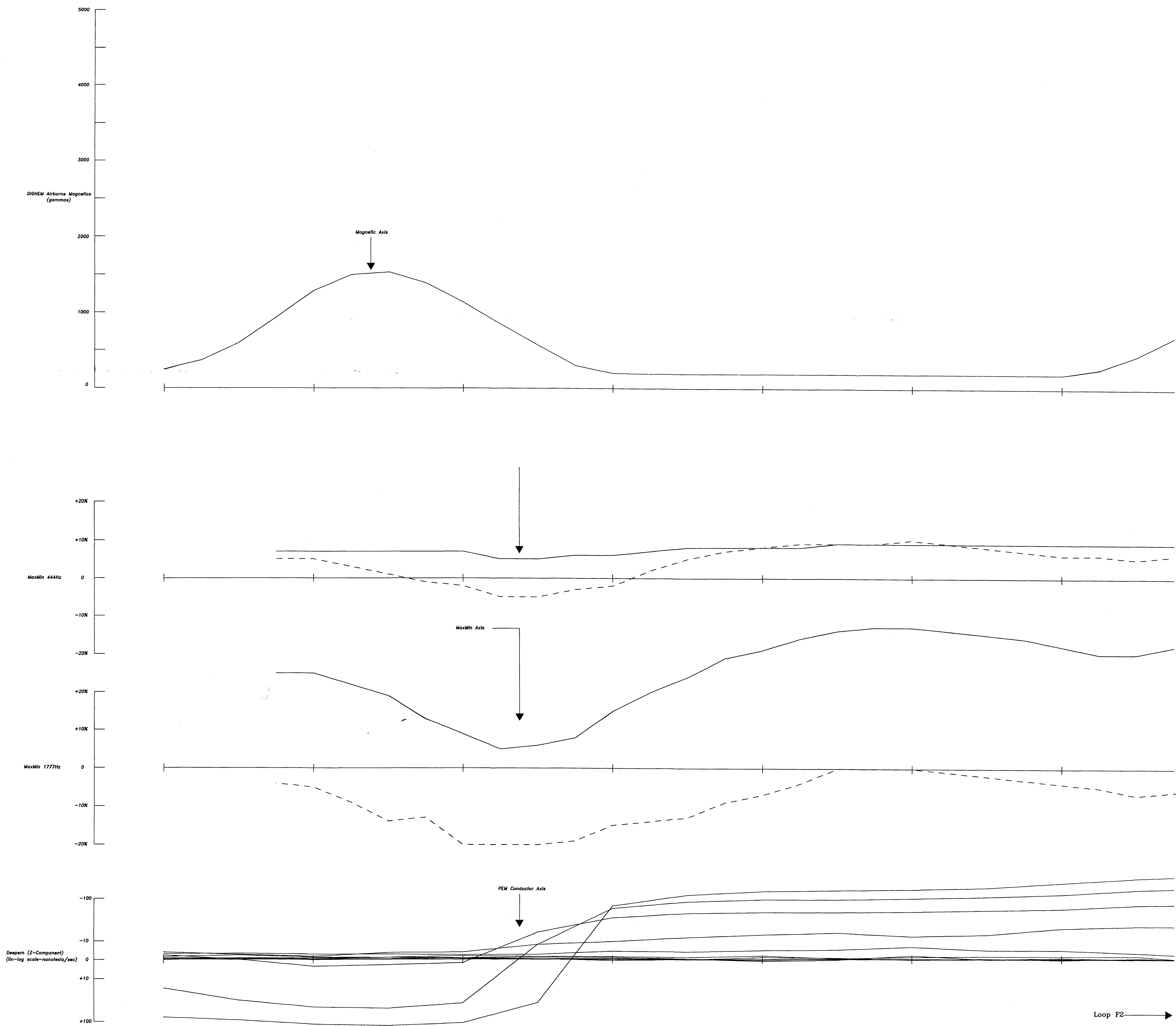
100 Metres 0 50 100 200



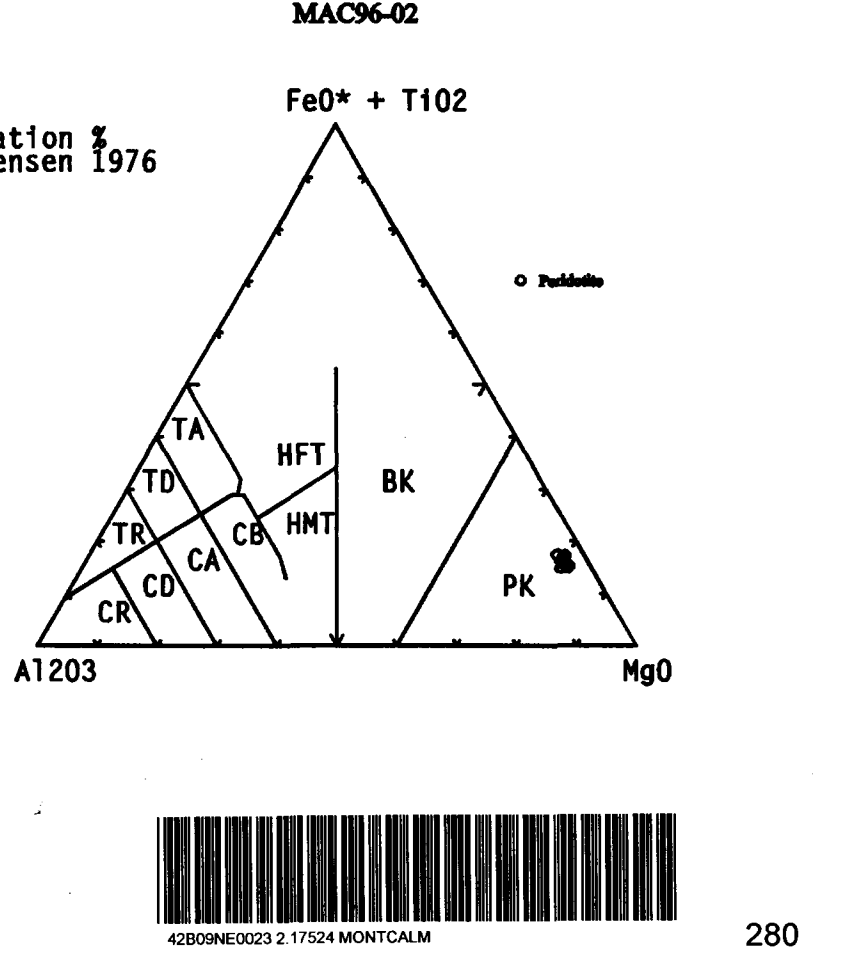
TECK EXPLORATION LTD.  
 DRILL HOLE LOCATION MAP  
 MONTCALM AREA  
 MONTCALM TWP., ONT  
 DATE DRAWN: FEB. 1997 SCALE: 1:5,000 DWG No:  
 DRAWN BY: BERNIE HOPKINS JOB No: 98424 7189c  
 APPROVED BY: M. HOULE N.T.S.: 42 B/09







- 7 Late Mafic Intrusive Rocks**
  - a. equigranular diabase
  - b. quartz-troctolite
- 8 Intermediate to Felsic Intrusive Rock**
  - a. fine grained aphanitic felsite dykes
  - b. quartz-feldspar porphyry dykes
  - c. conchoidal-troctolite
  - d. granite to granodiorite
  - e. syenite
- 5 Mafic Intrusive Rocks**
  - a. fine grained basaltic dykes (feeders of volcanics)
  - b. diorite to quartz gabbro
  - c. lamprophyre
- 4 Gabbroic Rocks**
  - a. peridotite (olivine-pyroxene with Mt-Serp-Carb-Talc)
  - b. pyroxenite (pyroxene-olivine and plagioclase <10%)
  - c. gabbro (pyroxene-plagioclase-hornblende with pliq 10-35%)
  - d. muscovite gabbro (pyroxene-plagioclase-hornblende with pliq 35-60%)
  - e. anorthositic (>90% plagioclase)
  - f. gabbroic dykes (equigranular cross-cutting)
  - g. porphyritic gabbro dykes (plagioclase-pyroxene phytic cross-cutting)
  - h. glomeroporphyritic dykes (plagioclase aggregates in fine grained gabbro matrix)
- 3 Sedimentary Rocks**
  - a. argillite/mudstone
  - b. greywacke
  - c. arkose
  - d. banded iron formation - Mt-chert bearing
  - e. sulphidic iron formation - py-py bearing
- 2 Felsic Volcanic Rocks**
  - a. massive flows
  - b. ash tuff
  - c. lapilli tuff
  - d. breccia tuff
  - e. quartz-sericite schist
- 1 Mafic to Intermediate Volcanic Rocks**
  - a. massive flows
  - b. pillowed flows
  - c. amygdaloidal flows
  - d. amphibolitized
  - e. schist
  - f. variolitic flows



**RECEIVED**

**JUL 2 8 1996**

**2.17524**

**TECK EXPLORATION LTD.**

**MONTCALM PROJECT**

**DDH SECTION MAC96-02**

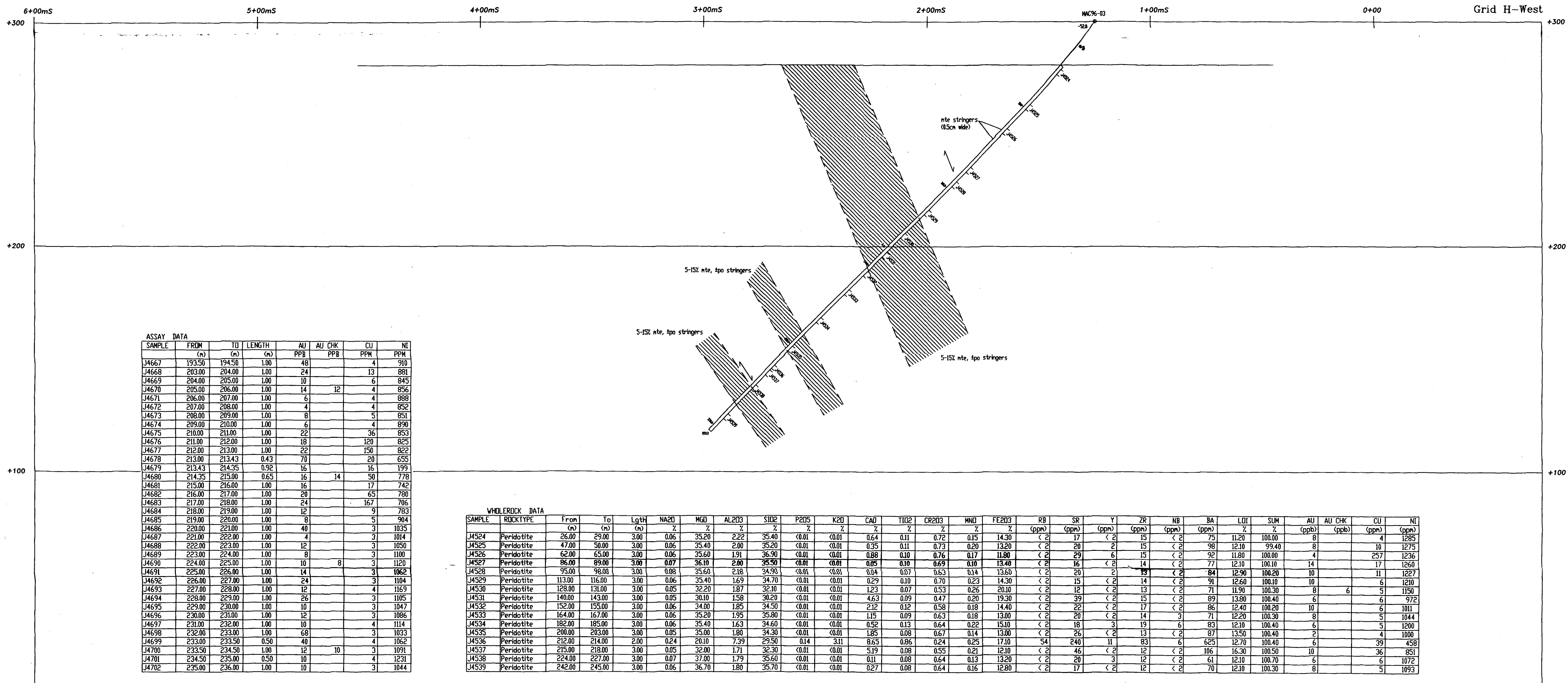
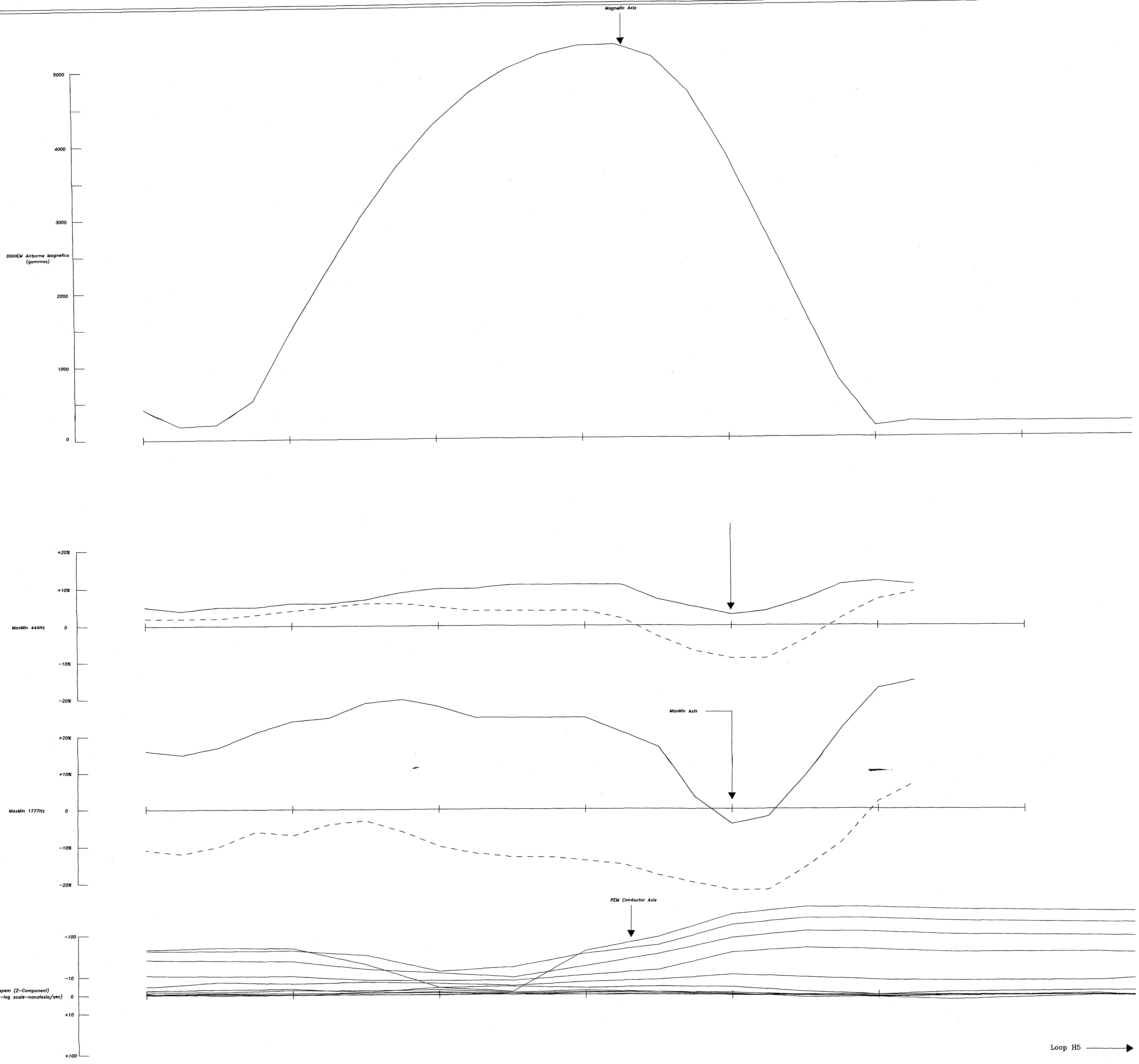
**LINE 25+00mE**

**DATE DRAWN: June 1996 SCALE: 1:1 000 DWG No:**

**DRAWN By: Bernie Hopkins JOB No: 98424**

**APPROVED By: Maurice Houe (N.T.S.: 42 B/09) 7127**





**ASSAY DATA**

SAMPLE NO.	FROM	TO	LENGTH	AU	AG	CU	NI
14663	19350	19450	100	48	1	1	1
14665	19500	19600	100	24	1	1	1
14669	19400	19500	100	10	1	1	1
14670	19500	19600	100	14	1	1	1
14671	19600	19700	100	4	1	1	1
14672	19700	19800	100	4	1	1	1
14673	19800	19900	100	4	1	1	1
14674	19900	20000	100	4	1	1	1
14675	20000	20100	100	10	1	1	1
14676	20100	20200	100	10	1	1	1
14677	20200	20300	100	10	1	1	1
14678	20300	20400	100	10	1	1	1
14679	20400	20500	100	10	1	1	1
14680	20500	20600	100	14	1	1	1
14681	20600	20700	100	10	1	1	1
14682	20700	20800	100	24	1	1	1
14684	20800	20900	100	10	1	1	1
14685	20900	21000	100	6	1	1	1
14686	21000	21100	100	4	1	1	1
14687	21100	21200	100	4	1	1	1
14688	21200	21300	100	4	1	1	1
14689	21300	21400	100	8	1	1	1
14690	21400	21500	100	8	1	1	1
14691	21500	21600	100	14	1	1	1
14692	21600	21700	100	24	1	1	1
14693	21700	21800	100	10	1	1	1
14694	21800	21900	100	26	1	1	1
14695	21900	22000	100	10	1	1	1
14696	22000	22100	100	10	1	1	1
14697	22100	22200	100	10	1	1	1
14698	22200	22300	100	60	1	1	1
14699	22300	22400	100	10	1	1	1
14700	22400	22500	100	10	1	1	1
14701	22500	22600	100	10	1	1	1
14702	22600	22700	100	10	1	1	1

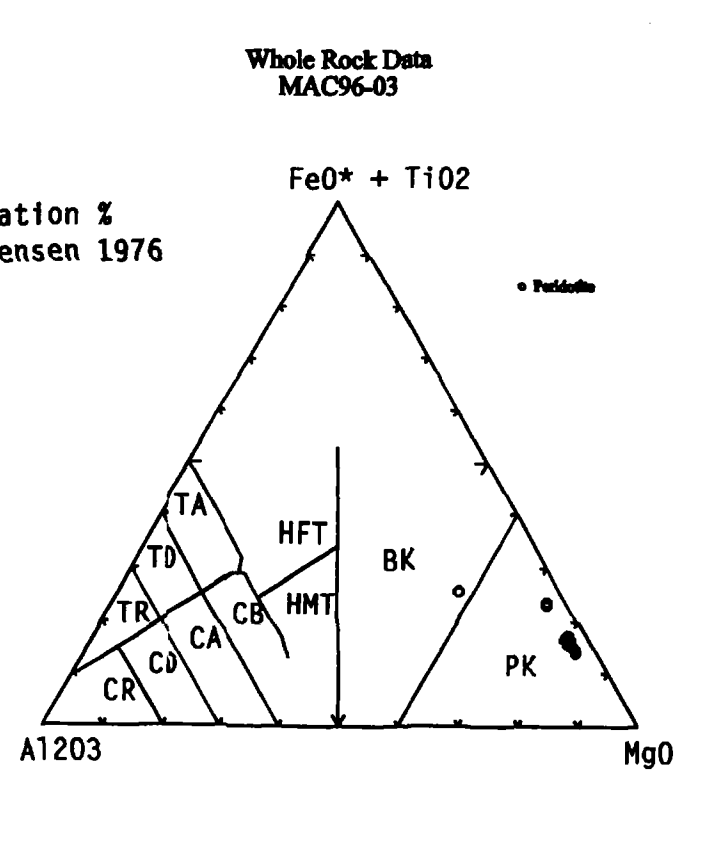
**VELOCIMETRY DATA**

SAMPLE NO.	FROM	TO	LENGTH	VELOCITY	DEPTH	...
14663	19350	19450	100	3.00	2.22	...
14665	19500	19600	100	3.00	2.22	...
14669	19400	19500	100	3.00	2.22	...
14670	19500	19600	100	3.00	2.22	...
14671	19600	19700	100	3.00	2.22	...
14672	19700	19800	100	3.00	2.22	...
14673	19800	19900	100	3.00	2.22	...
14674	19900	20000	100	3.00	2.22	...
14675	20000	20100	100	3.00	2.22	...
14676	20100	20200	100	3.00	2.22	...
14677	20200	20300	100	3.00	2.22	...
14678	20300	20400	100	3.00	2.22	...
14679	20400	20500	100	3.00	2.22	...
14680	20500	20600	100	3.00	2.22	...
14681	20600	20700	100	3.00	2.22	...
14682	20700	20800	100	3.00	2.22	...
14684	20800	20900	100	3.00	2.22	...
14685	20900	21000	100	3.00	2.22	...
14686	21000	21100	100	3.00	2.22	...
14687	21100	21200	100	3.00	2.22	...
14688	21200	21300	100	3.00	2.22	...
14689	21300	21400	100	3.00	2.22	...
14690	21400	21500	100	3.00	2.22	...
14691	21500	21600	100	3.00	2.22	...
14692	21600	21700	100	3.00	2.22	...
14693	21700	21800	100	3.00	2.22	...
14694	21800	21900	100	3.00	2.22	...
14695	21900	22000	100	3.00	2.22	...
14696	22000	22100	100	3.00	2.22	...
14697	22100	22200	100	3.00	2.22	...
14698	22200	22300	100	3.00	2.22	...
14699	22300	22400	100	3.00	2.22	...
14700	22400	22500	100	3.00	2.22	...
14701	22500	22600	100	3.00	2.22	...
14702	22600	22700	100	3.00	2.22	...

- 7 Late Mafic Intrusive Rocks
  - a. equigranular diabase
  - b. porphyritic diabase
- 6 Intermediate to Felsic Intrusive Rock
  - a. fine grained subvolcanic dykes
  - b. quartz-feldspar-porphyr dykes
  - c. tonalite-trondhjemite
  - d. granite to granodiorite
  - e. syenite
- 5 Mafic Intrusive Rocks
  - a. fine grained basaltic dykes (feeders of volcanics)
  - b. diorite to quartz gabbro
  - c. lamprophyre
- 4 Gabbroic Rocks
  - a. peridotite (olivine-pyroxene with Mt-Serp-Carb-Talc)
  - b. pyroxenite (pyroxene-olivine and plagioclase <10%)
  - c. gabbro (pyroxene-plagioclase-hornblende with plag 10-35%)
  - d. fucro-gabbro (pyroxene-plagioclase-hornblende with plag 35-60%)
  - e. anorthositic (>10% plagioclase)
  - f. gabbroic dykes (equigranular cross-cutting porphyritic gabbro dykes (plagioclase-pyroxene phric cross-cutting)
  - g. glomeroporphyritic dykes (plagioclase aggregates in fine grained gabbro matrix)

- 3 Sedimentary Rocks
  - a. argillite/mudstone
  - b. greywacke
  - c. arkose
  - d. banded iron formation - Mt-chert bearing
  - e. sulphide iron formation - py-pb bearing
- 2 Felsic Volcanic Rocks
  - a. massive flows
  - b. pillowed flows
  - c. lapilli tuff
  - d. breccia tuff
  - e. quartz-sericite schist
- 1 Mafic to Intermediate Volcanic Rocks
  - a. massive flows
  - b. pillowed flows
  - c. amygdaloidal flows
  - d. amphibolitized
  - e. schist
  - f. variscite flows

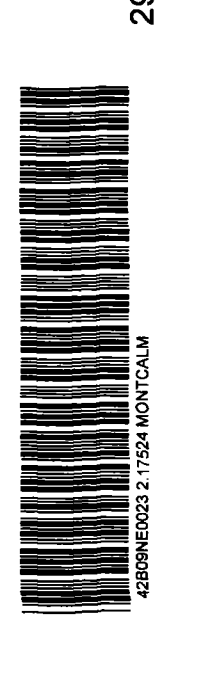
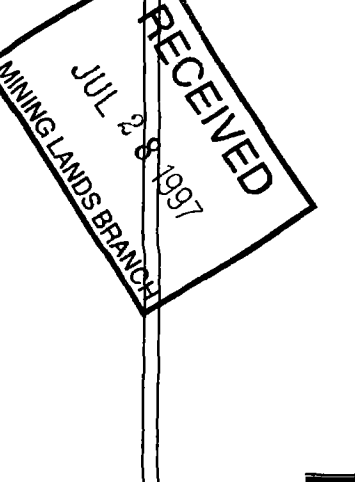
- Mineralogical/Alteration Names**
- alb albite
  - amph amphibole
  - aspp arsenopyrite
  - biot biotite
  - chpy chloropyrite
  - ep epidote
  - gph garnet
  - grt garnet
  - hem hematite
  - hbl hornblende
  - ilite illite
  - mtz magnetite
  - py pyrite
  - ser sericite
  - serp serpentine
  - silf silicified
  - carb carbonatized
  - epb epidote
  - tc talc
  - su sulph
  - su sulphides

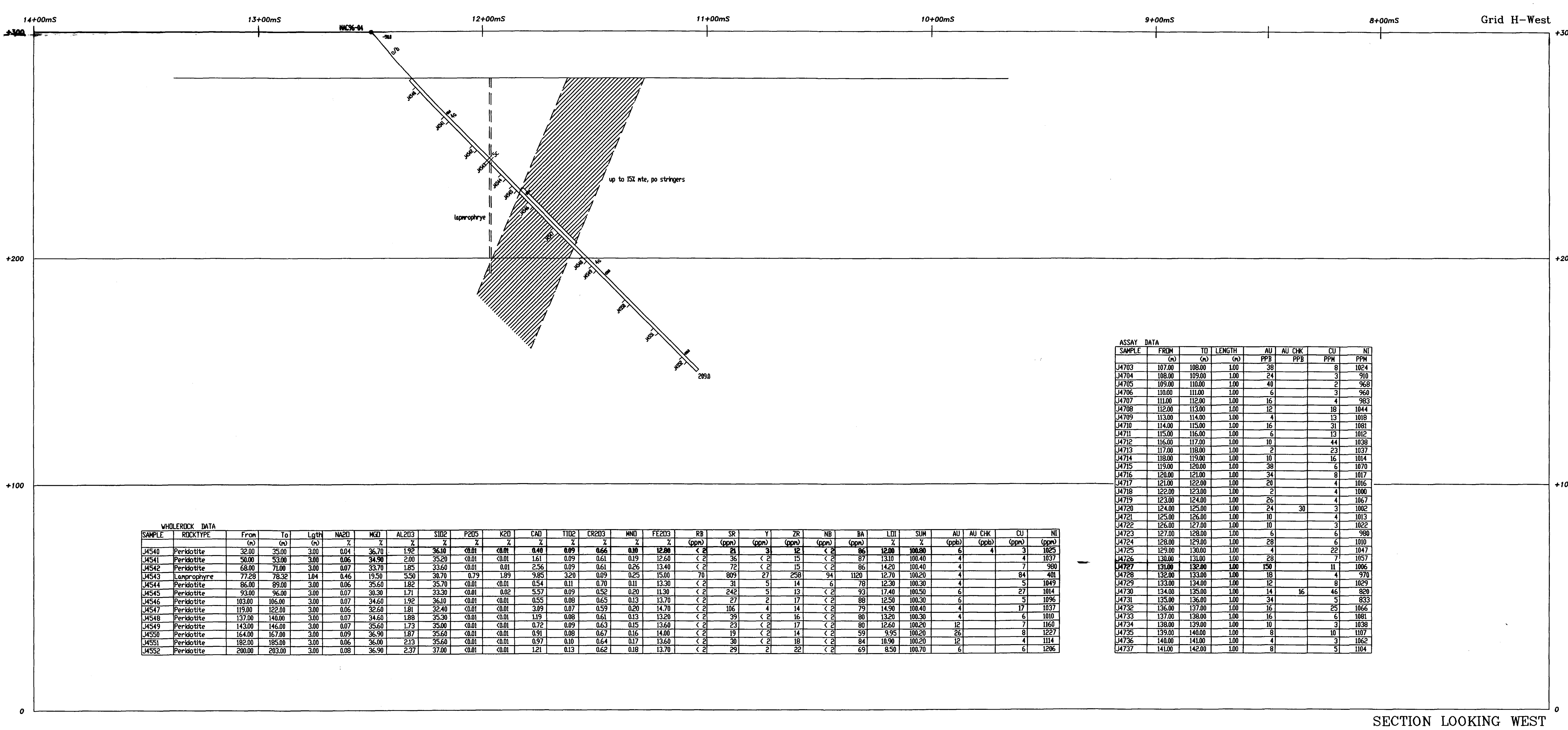
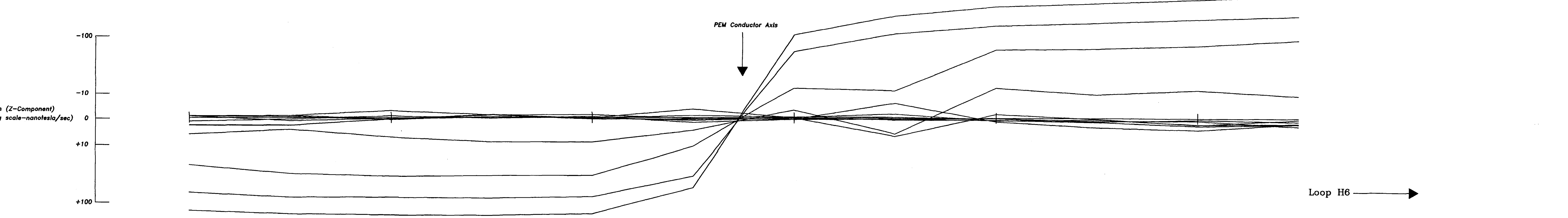
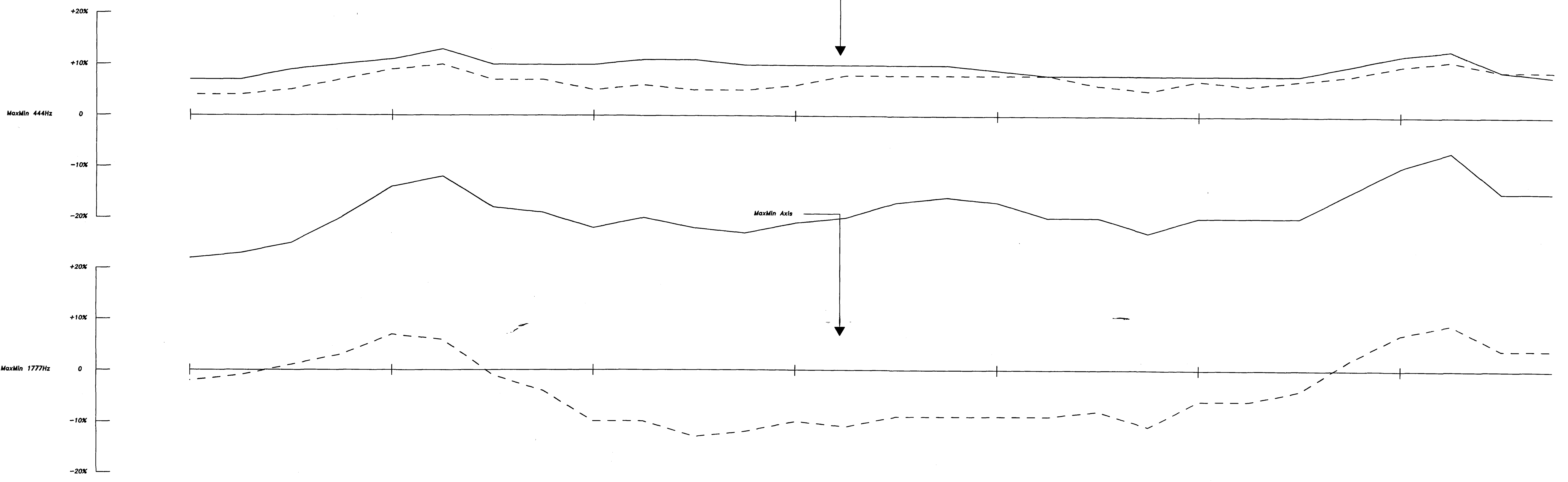
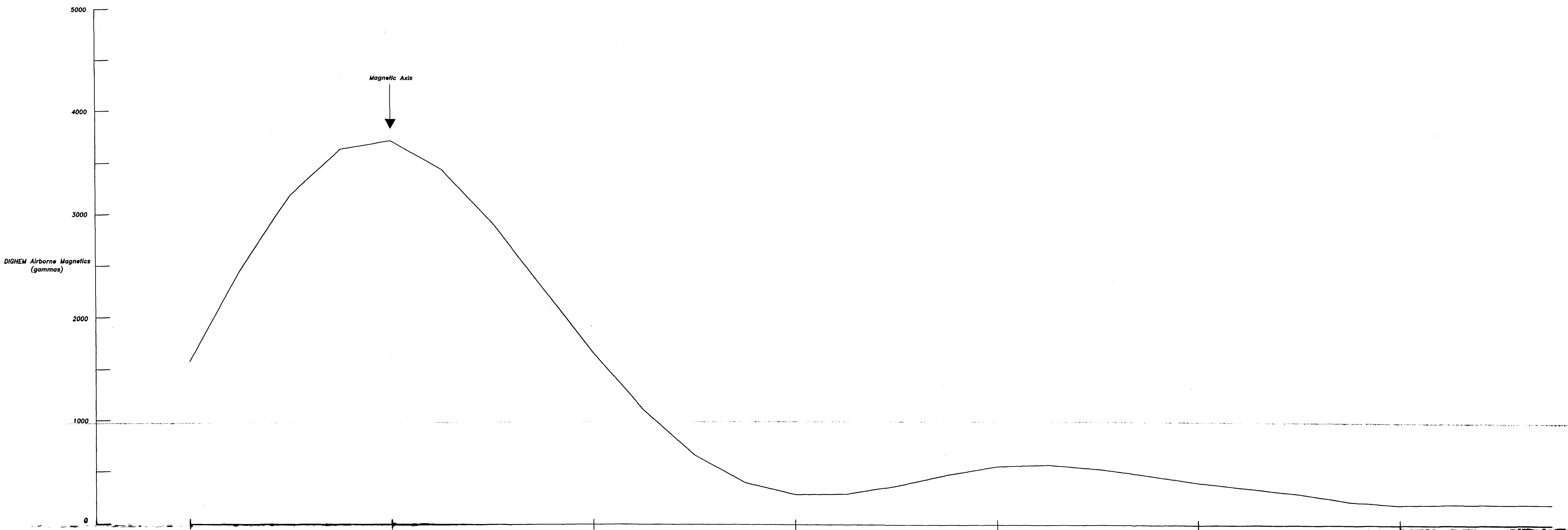


2.17524

**TECK EXPLORATION LTD.**  
MONTCALM PROJECT  
DDH. SECTION MAC96-03  
LINE 29+00mE

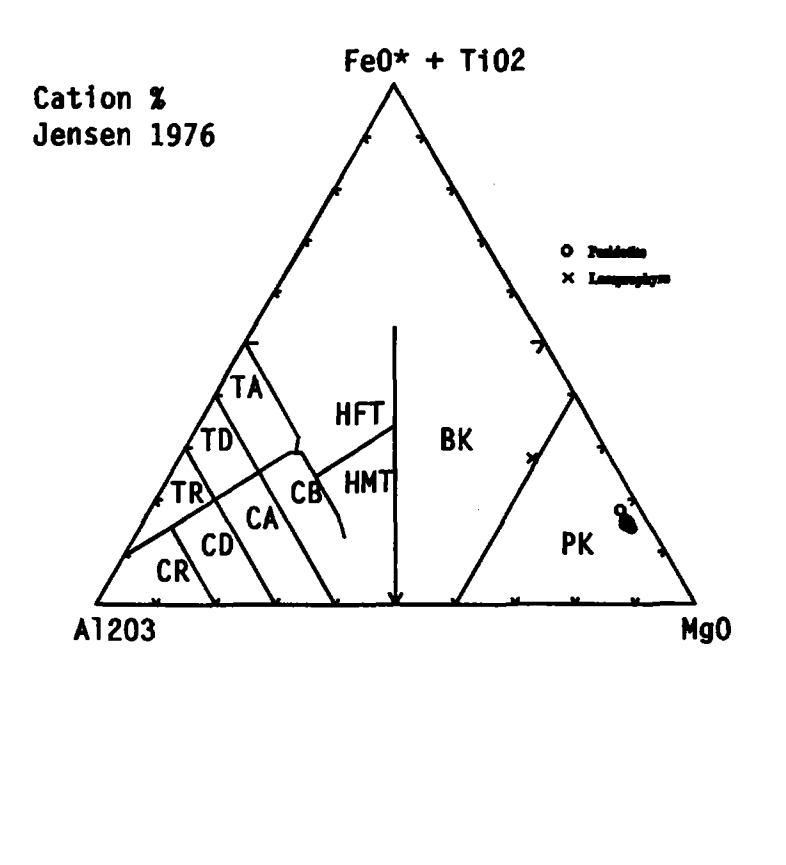
DATE DRAWN: June 1996 SCALE: 1:1 000 DWG No: 7128  
 DRAWN BY: Bernie Hopkins JOB No: 98424  
 APPROVED BY: Maurice Houle N.T.S. 42 B/22





- 7 Late Mafic Intrusive Rocks
  - a. equigranular diabase
  - b. porphyritic diabase
- 6 Intermediate to Felicit Intrusive Rock
  - a. fine grained aphanitic felsite dykes
  - b. quartz-feldspar-porphyr dykes
  - c. tonalite-trandhiemite
  - d. granite to granodiorite
  - e. syenite
- 5 Mafic Intrusive Rocks
  - a. fine grained basaltic dykes (feeders of volcanics)
  - b. diorite to quartz gabbro
  - c. lamprophyre
- 4 Gabbroic Rocks
  - a. peridotite (olivine-pyroxene with Mte-Serp-Carb-Talc)
  - b. pyroxenite (pyroxene-olivine and plagioclase <10%)
  - c. gabbro (pyroxene-plagioclase-hornblende with plag 10-35%)
  - d. leuco-gabbro (pyroxene-plagioclase-hornblende with plag 35-60%)
  - e. anorthositic (>60% plagioclase)
  - f. gabbroic dykes (equigranular cross-cutting)
  - g. porphyritic gabbro dykes (plagioclase-pyroxene phyric cross-cutting)
  - h. glomeroporphyritic dykes (plagioclase aggregates in fine grained gabbro matrix)
- 3 Sedimentary Rocks
  - a. argillite/mudstone
  - b. greywacke
  - c. arkose
  - d. banded iron formation - Mte-chert bearing
  - e. sulphide iron formation - py-po bearing
- 2 Felicit Volcanic Rocks
  - a. massive flows
  - b. ash tuff
  - c. lapilli tuff
  - d. breccia tuff
  - e. quartz-sericite schist
- 1 Mafic to Intermediate Volcanic Rocks
  - a. massive flows
  - b. pillow flows
  - c. amygdaloidal flows
  - d. amphibolitized
  - e. schist
  - f. varietic flows

- Mineralogical/Alteration Names
  - alb albite
  - amph amphibole
  - aspy arsenopyrite
  - bsc biotite
  - cpy chalcopyrite
  - chl chlorite
  - ep epidote
  - gnt garnet
  - hem hematite
  - hbl hornblende
  - ilc ilmenite
  - mag magnetite
  - py pyrite
  - ser serpentine
  - serc sericite
  - sil sillite
  - carb carbonatized
  - spal sphalerite
  - tal talc
  - te telluride
  - sulph sulphides



2.17524

RECEIVED  
JUL 2 8 1997  
MONTCALM PROJECT

TECK EXPLORATION LTD.  
MONTCALM PROJECT  
DDH SECTION MAC96-04  
LINE 29+00mE

DATE DRAWN: June 1996 SCALE: 1:1 000 DWG No:  
DRAWN By: Bernie Hopkins JOB No: 98424  
APPROVED By: Maurice Houle N.T.S: 42 B/09 7129

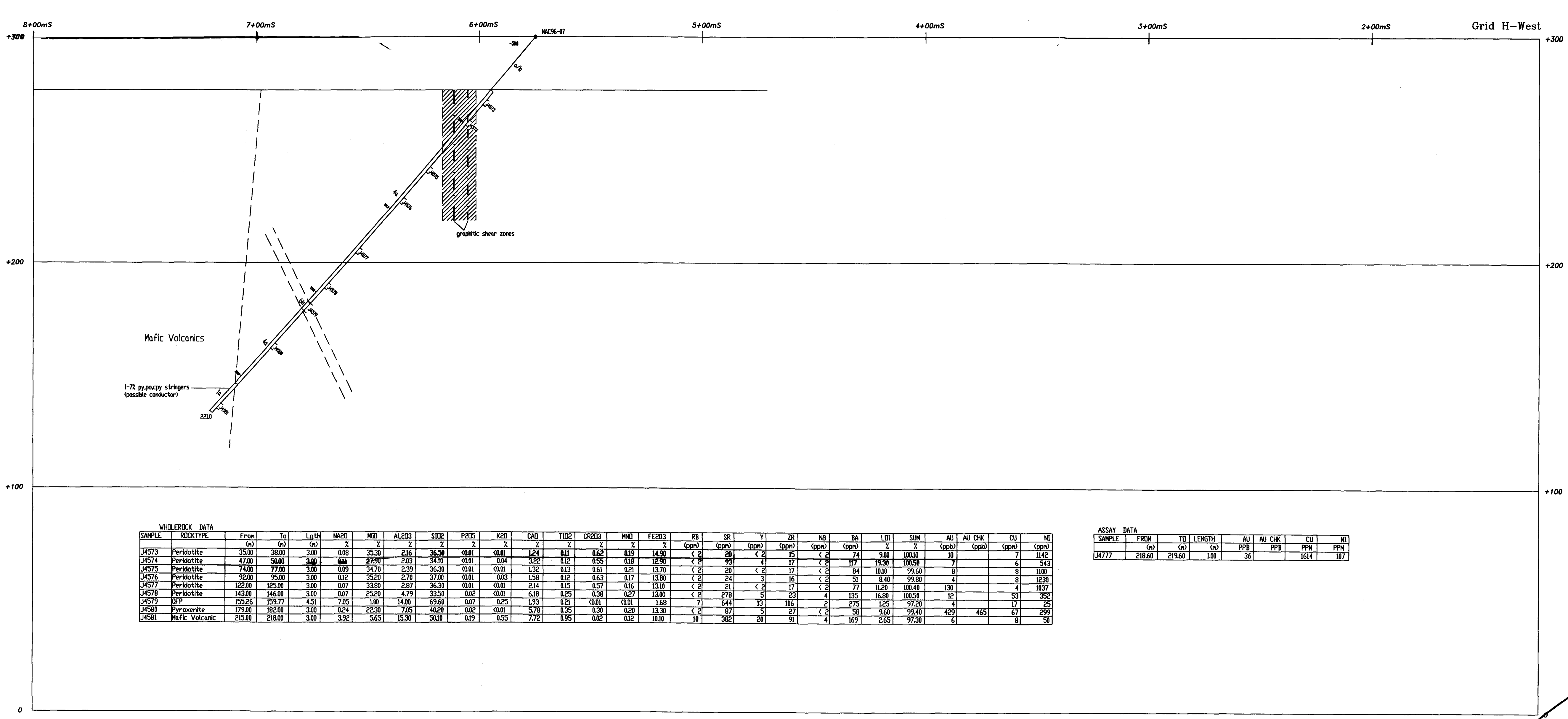
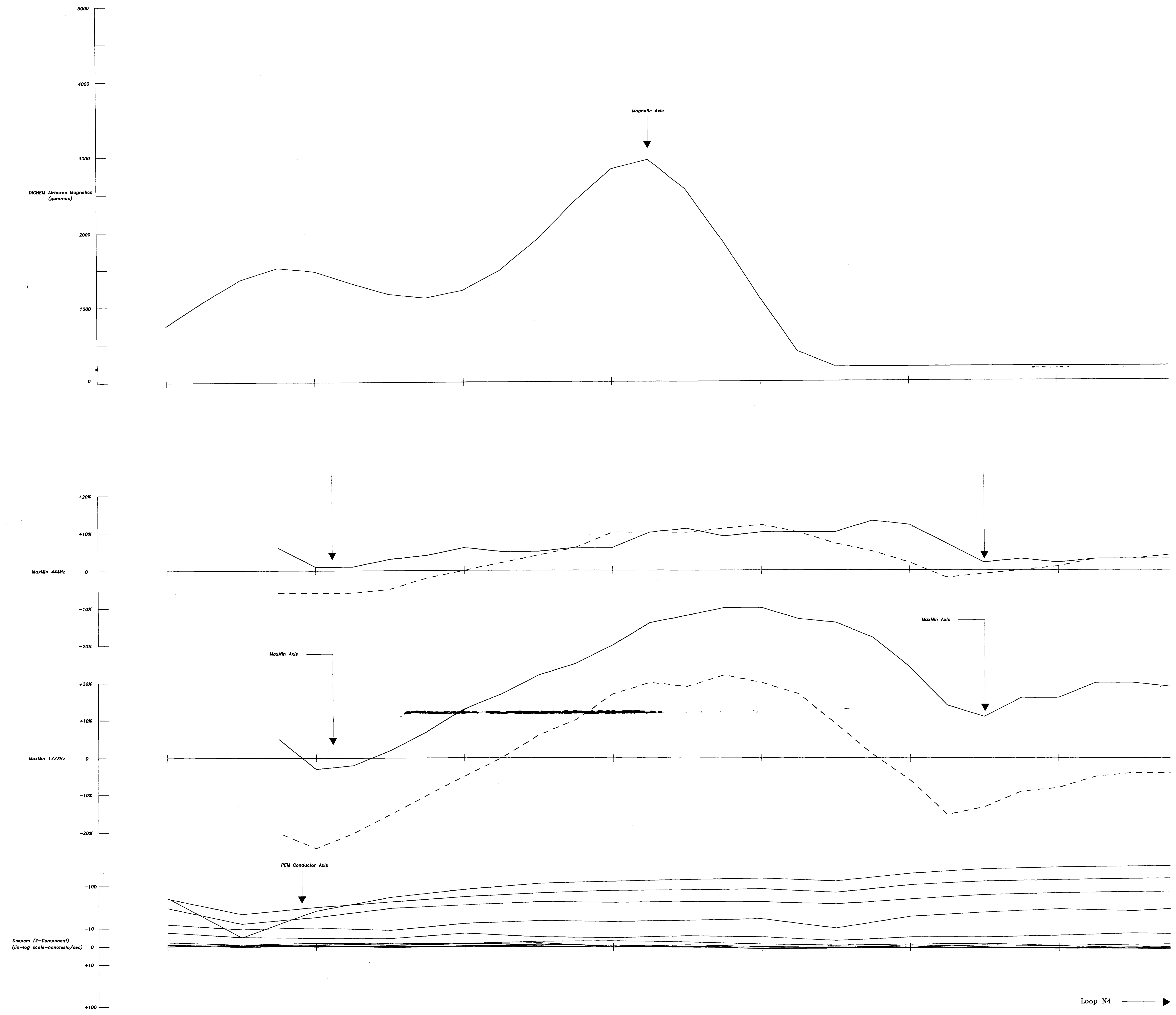






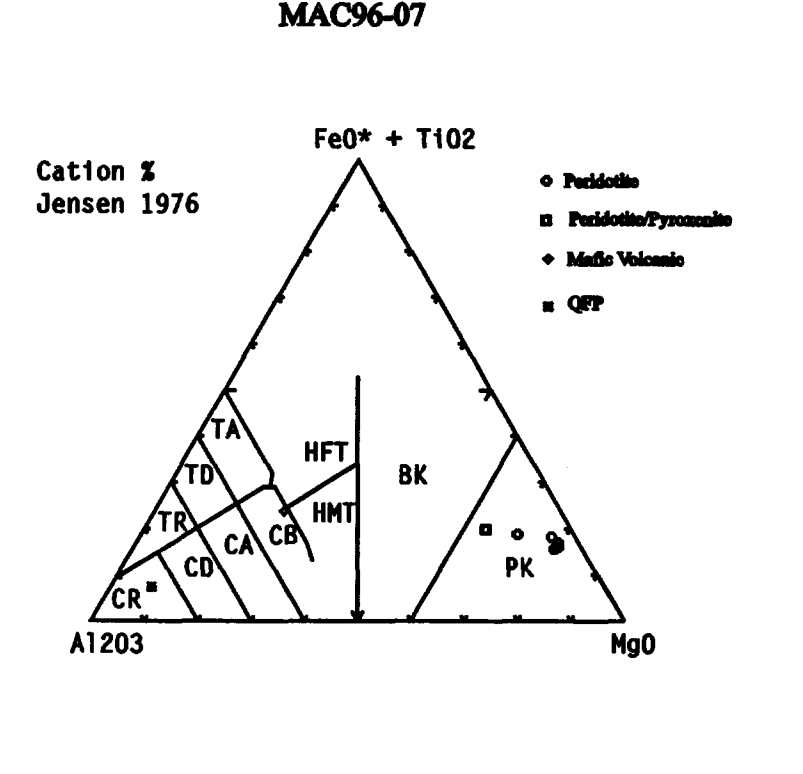






MILSERX DATA		ASSAY DATA	
SAMPLE	ROCKTYPE	SAMPLE	TEST
J4777	Peridotite	21850	21850
J4778	Peridotite	21850	21850
J4779	Peridotite	21850	21850
J4780	Peridotite	21850	21850
J4781	Peridotite	21850	21850
J4782	Peridotite	21850	21850
J4783	Peridotite	21850	21850
J4784	Peridotite	21850	21850
J4785	Peridotite	21850	21850
J4786	Peridotite	21850	21850
J4787	Peridotite	21850	21850
J4788	Peridotite	21850	21850
J4789	Peridotite	21850	21850
J4790	Peridotite	21850	21850
J4791	Peridotite	21850	21850
J4792	Peridotite	21850	21850
J4793	Peridotite	21850	21850
J4794	Peridotite	21850	21850
J4795	Peridotite	21850	21850
J4796	Peridotite	21850	21850
J4797	Peridotite	21850	21850
J4798	Peridotite	21850	21850
J4799	Peridotite	21850	21850
J4800	Peridotite	21850	21850
J4801	Peridotite	21850	21850
J4802	Peridotite	21850	21850
J4803	Peridotite	21850	21850
J4804	Peridotite	21850	21850
J4805	Peridotite	21850	21850
J4806	Peridotite	21850	21850
J4807	Peridotite	21850	21850
J4808	Peridotite	21850	21850
J4809	Peridotite	21850	21850
J4810	Peridotite	21850	21850
J4811	Peridotite	21850	21850
J4812	Peridotite	21850	21850
J4813	Peridotite	21850	21850
J4814	Peridotite	21850	21850
J4815	Peridotite	21850	21850
J4816	Peridotite	21850	21850
J4817	Peridotite	21850	21850
J4818	Peridotite	21850	21850
J4819	Peridotite	21850	21850
J4820	Peridotite	21850	21850
J4821	Peridotite	21850	21850
J4822	Peridotite	21850	21850
J4823	Peridotite	21850	21850
J4824	Peridotite	21850	21850
J4825	Peridotite	21850	21850
J4826	Peridotite	21850	21850
J4827	Peridotite	21850	21850
J4828	Peridotite	21850	21850
J4829	Peridotite	21850	21850
J4830	Peridotite	21850	21850
J4831	Peridotite	21850	21850
J4832	Peridotite	21850	21850
J4833	Peridotite	21850	21850
J4834	Peridotite	21850	21850
J4835	Peridotite	21850	21850
J4836	Peridotite	21850	21850
J4837	Peridotite	21850	21850
J4838	Peridotite	21850	21850
J4839	Peridotite	21850	21850
J4840	Peridotite	21850	21850
J4841	Peridotite	21850	21850
J4842	Peridotite	21850	21850
J4843	Peridotite	21850	21850
J4844	Peridotite	21850	21850
J4845	Peridotite	21850	21850
J4846	Peridotite	21850	21850
J4847	Peridotite	21850	21850
J4848	Peridotite	21850	21850
J4849	Peridotite	21850	21850
J4850	Peridotite	21850	21850
J4851	Peridotite	21850	21850
J4852	Peridotite	21850	21850
J4853	Peridotite	21850	21850
J4854	Peridotite	21850	21850
J4855	Peridotite	21850	21850
J4856	Peridotite	21850	21850
J4857	Peridotite	21850	21850
J4858	Peridotite	21850	21850
J4859	Peridotite	21850	21850
J4860	Peridotite	21850	21850
J4861	Peridotite	21850	21850
J4862	Peridotite	21850	21850
J4863	Peridotite	21850	21850
J4864	Peridotite	21850	21850
J4865	Peridotite	21850	21850
J4866	Peridotite	21850	21850
J4867	Peridotite	21850	21850
J4868	Peridotite	21850	21850
J4869	Peridotite	21850	21850
J4870	Peridotite	21850	21850
J4871	Peridotite	21850	21850
J4872	Peridotite	21850	21850
J4873	Peridotite	21850	21850
J4874	Peridotite	21850	21850
J4875	Peridotite	21850	21850
J4876	Peridotite	21850	21850
J4877	Peridotite	21850	21850
J4878	Peridotite	21850	21850
J4879	Peridotite	21850	21850
J4880	Peridotite	21850	21850
J4881	Peridotite	21850	21850
J4882	Peridotite	21850	21850
J4883	Peridotite	21850	21850
J4884	Peridotite	21850	21850
J4885	Peridotite	21850	21850
J4886	Peridotite	21850	21850
J4887	Peridotite	21850	21850
J4888	Peridotite	21850	21850
J4889	Peridotite	21850	21850
J4890	Peridotite	21850	21850
J4891	Peridotite	21850	21850
J4892	Peridotite	21850	21850
J4893	Peridotite	21850	21850
J4894	Peridotite	21850	21850
J4895	Peridotite	21850	21850
J4896	Peridotite	21850	21850
J4897	Peridotite	21850	21850
J4898	Peridotite	21850	21850
J4899	Peridotite	21850	21850
J4900	Peridotite	21850	21850

- 7 Late Mafic Intrusive Rocks
  - a. equigranular diabase
  - b. porphyritic diabase
- 6 Intermediate to Felsic Intrusive Rock
  - a. fine grained aphanitic felsite dykes
  - b. quartz-feldspar-porphyr dykes
  - c. tonalite-trandidiorite
  - d. granite to granodiorite
  - e. syenite
- 5 Mafic Intrusive Rocks
  - a. fine grained basaltic dykes (feeders of volcanics)
  - b. diorite to quartz gabbro
  - c. lamprophyre
- 4 Gabbroic Rocks
  - a. peridotite (olivine)pyroxene with Mn-Serp-Carb-Talc
  - b. pyroxenite (pyroxene)olivine and plagioclase <10%
  - c. gabbro (pyroxene-plagioclase-hornblende with plag 10-30%)
  - d. anorthositic gabbro (pyroxene-plagioclase-hornblende with plag 30-60%)
  - e. anorthositic (>80% plagioclase)
  - f. gabbroic dykes (equigranular cross-cutting)
  - g. porphyritic gabbro dykes (plagioclase-pyroxene phytic cross-cutting)
  - h. glomeroporphyritic dykes (plagioclase aggregates in fine grained gabbro matrix)
- 3 Sedimentary Rocks
  - a. argillite/mudstone
  - b. greywacke
  - c. arkose
  - d. banded iron formation - Mn-chert bearing
  - e. sulphide iron formation - py-po bearing
- 2 Felsic Volcanic Rocks
  - a. massive flows
  - b. ash tuff
  - c. lapilli tuff
  - d. breccia tuff
  - e. quartz-sericite schist
- 1 Mafic to Intermediate Volcanic Rocks
  - a. massive flows
  - b. pillowed flows
  - c. amygdaloidal flows
  - d. amphibolitized
  - e. schist
  - f. variolitic flows



SECTION LOOKING WEST  
MAC96-07

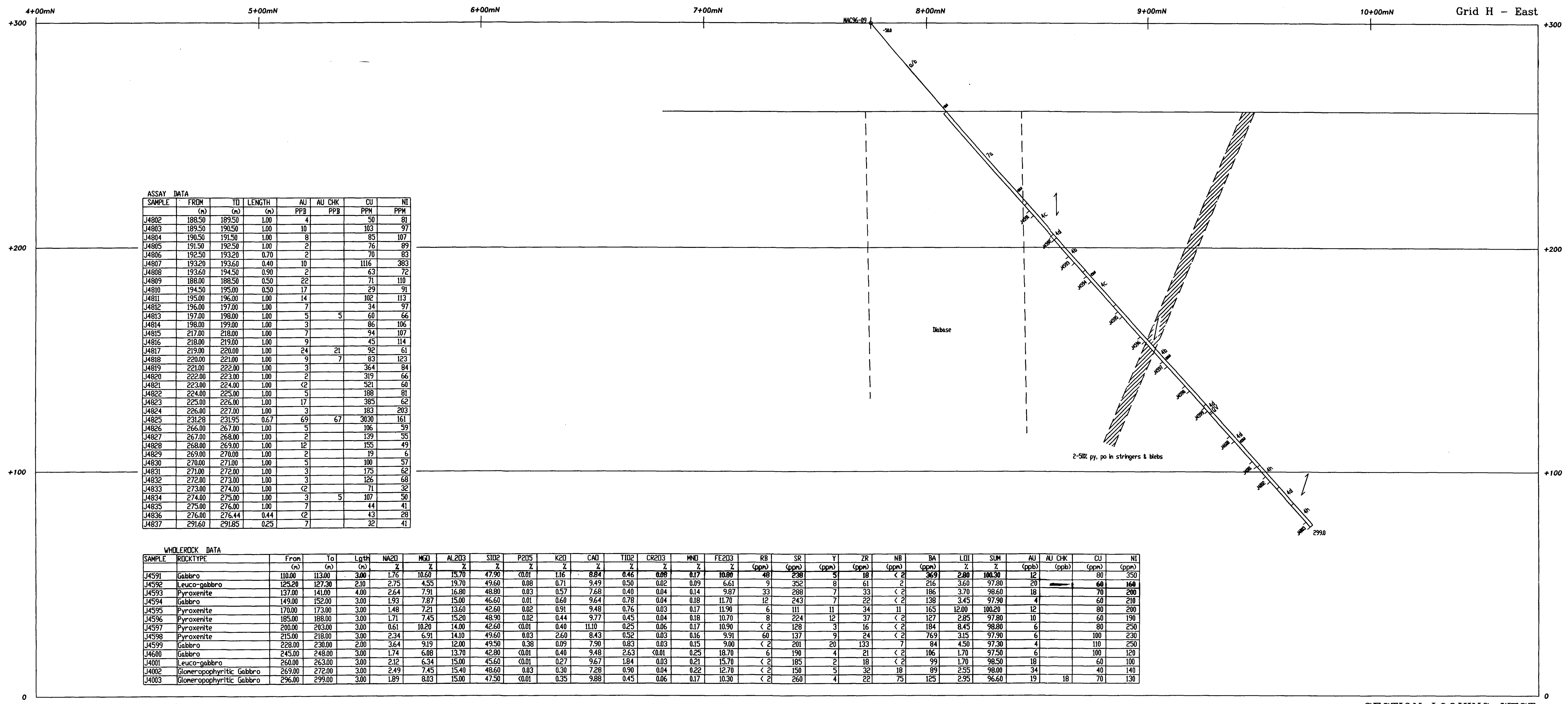
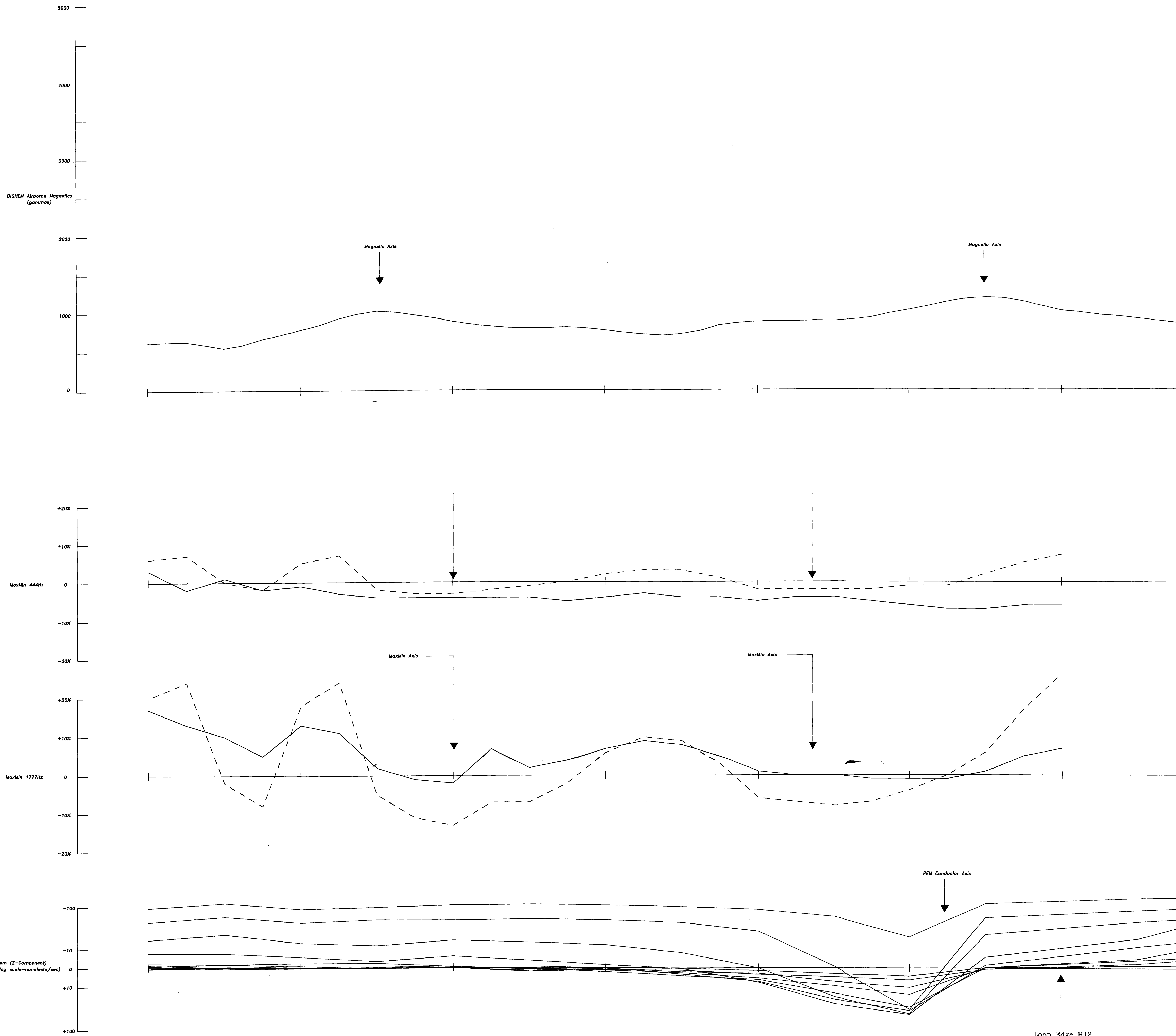
RECEIVED  
JUL 2 8 1996  
TECK EXPLORATION LTD.

2.17524

MONTCALM PROJECT  
DDH. SECTION MAC96-07  
LINE 15+00mEX

DATE DRAWN: June 1996 SCALE: 1:1 000 DWG No:  
DRAWN By: Bernie Hopkins JOB No: 98424  
APPROVED by: Maurice Houle INT.S: 42 8/09 7132

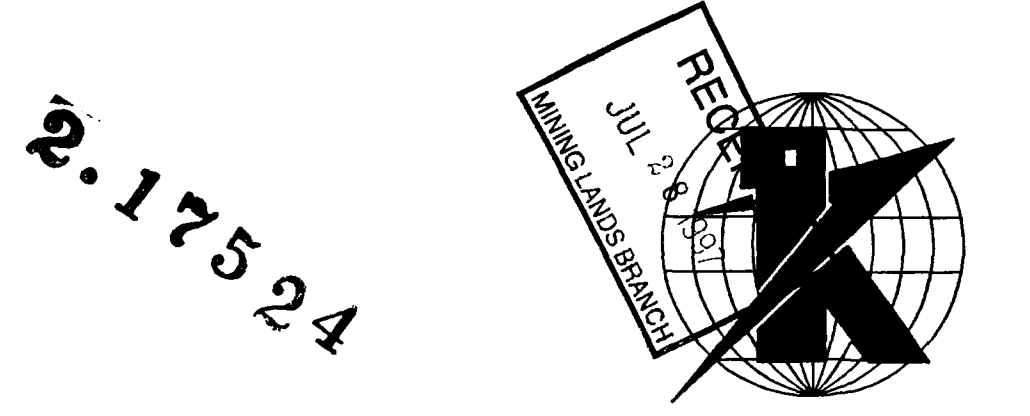
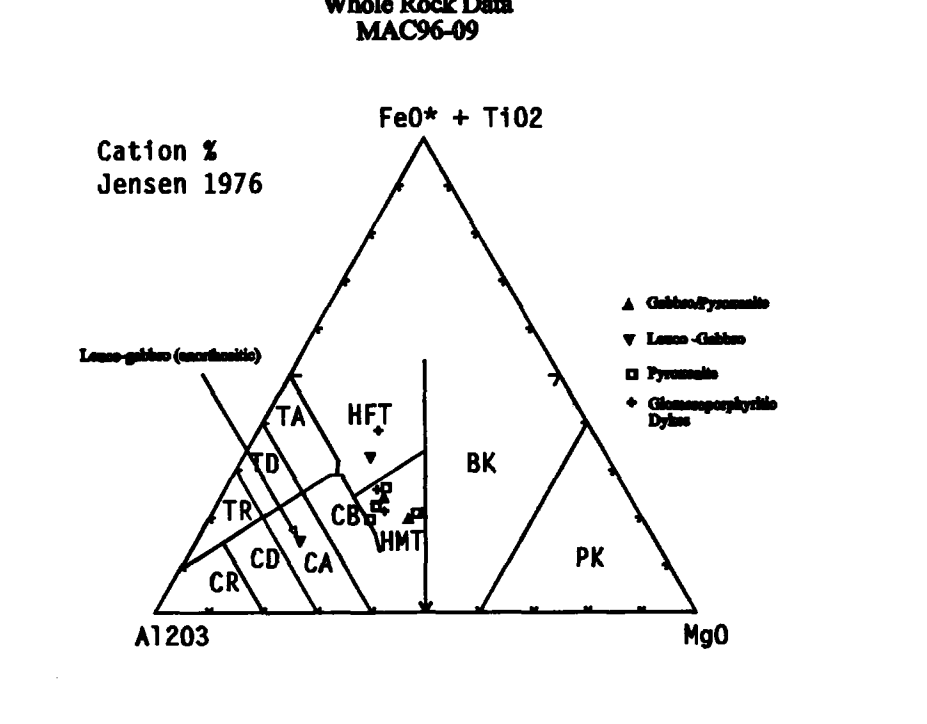




- 7 Late Mafic Intrusive Rocks
  - a. equigranular diabase
  - b. porphyritic diabase
- 6 Intermediate to Felsic Intrusive Rock
  - a. fine grained aphanitic felsic dykes
  - b. quartz-feldspar porphyry dykes
  - c. tonalite-tranndyemite
  - d. granite to granodiorite
  - e. syenite
- 5 Mafic Intrusive Rocks
  - a. fine grained basaltic dykes (feeders of volcanics)
  - b. diorite to quartz gabbro
  - c. anorthopyrox
- 4 Gabbroic Rocks
  - a. peridotite (olivine)pyroxene with Mte-Serp-Carb-Talc
  - b. pyroxenite (pyroxene)olivine and plagioclase <10K
  - c. gabbro (pyroxene-plagioclase-hornblende with plag 10-35%)
  - d. leuco-gabbro (pyroxene-plagioclase-hornblende with plag 35-60%)
  - e. anorthitic (di)dykes (plagioclase)
  - f. gabbroic dykes (equigranular cross-cutting)
  - g. porphyritic gabbro dykes (plagioclase-pyroxene phytic cross-cutting)
  - h. glomeroporphyritic dykes (plagioclase aggregates in fine grained gabbro matrix)

- 3 Sedimentary Rocks
  - a. argillite/mudstone
  - b. greywacke
  - c. arkose
  - d. banded iron formation - Mte-chert bearing
  - e. sulphide iron formation - py-po bearing
- 2 Felsic Volcanic Rocks
  - a. massive flows
  - b. ash tuff
  - c. lapilli tuff
  - d. breccia tuff
  - e. quartz-sericite schist
- 1 Mafic to Intermediate Volcanic Rocks
  - a. massive flows
  - b. pillowed flows
  - c. amygdaloidal flows
  - d. amphibolitized
  - e. schist
  - f. varietic flows

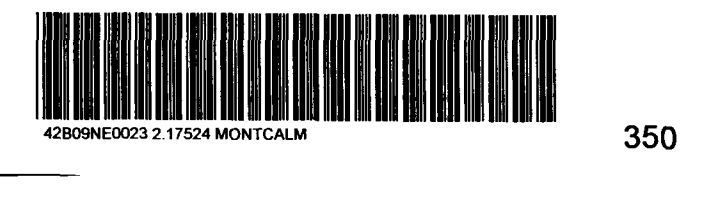
- Mineralogical/Alteration Names
  - alb albite
  - amph amphibole
  - ann arsenopyrite
  - bio biotite
  - chc chlorocoryrite
  - chl chlorite
  - epg epidote
  - grt garnet
  - hem hematite
  - hbn hornblende
  - ilm ilmenite
  - mag magnetite
  - mte magnetite
  - pyr pyrite
  - serp serpentine
  - ser sericite
  - sil silified
  - carb carbonatized
  - spil sphalerite
  - tal talc
  - ulph sulphides



**TECK EXPLORATION LTD.**  
 MONTCALM PROJECT  
 DDH SECTION MAC96-09  
 LINE 91+00mE

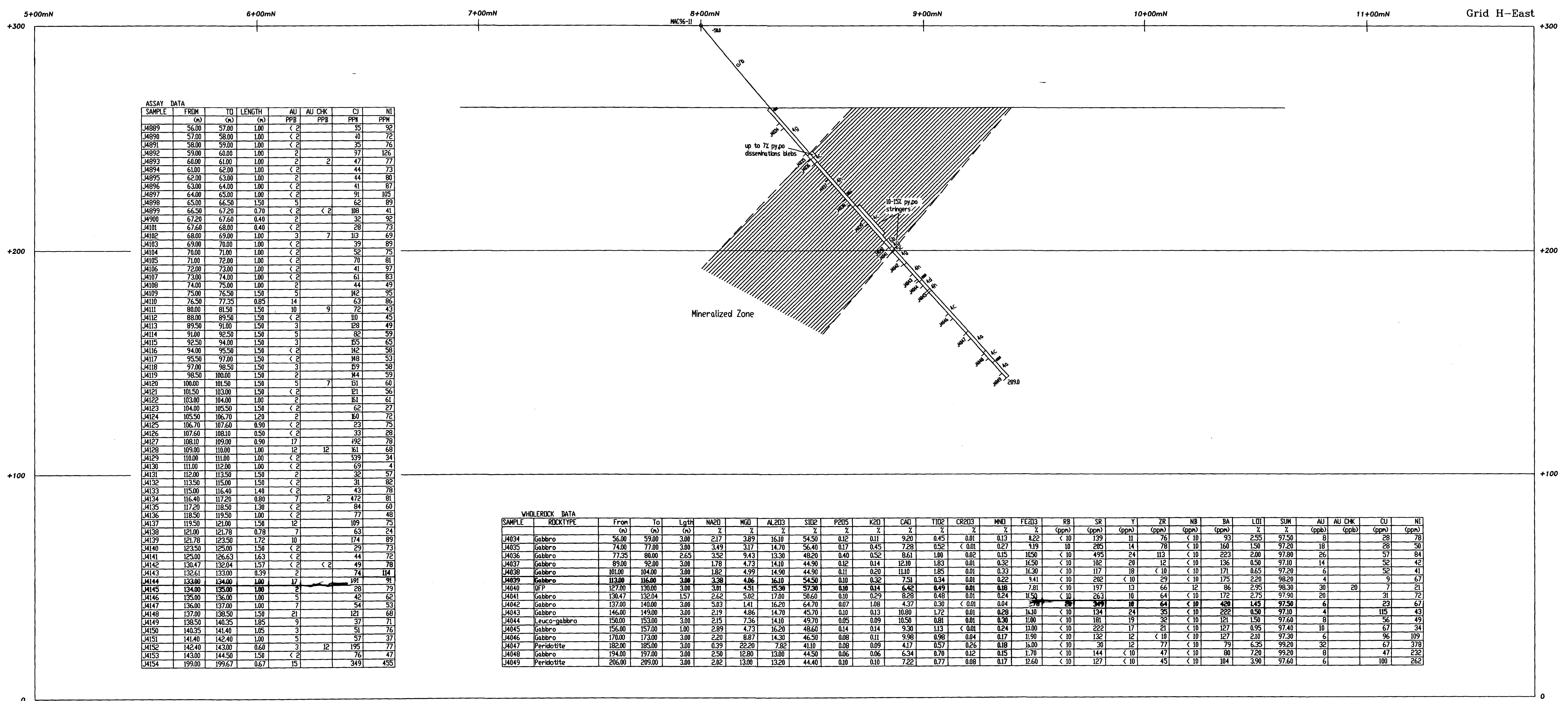
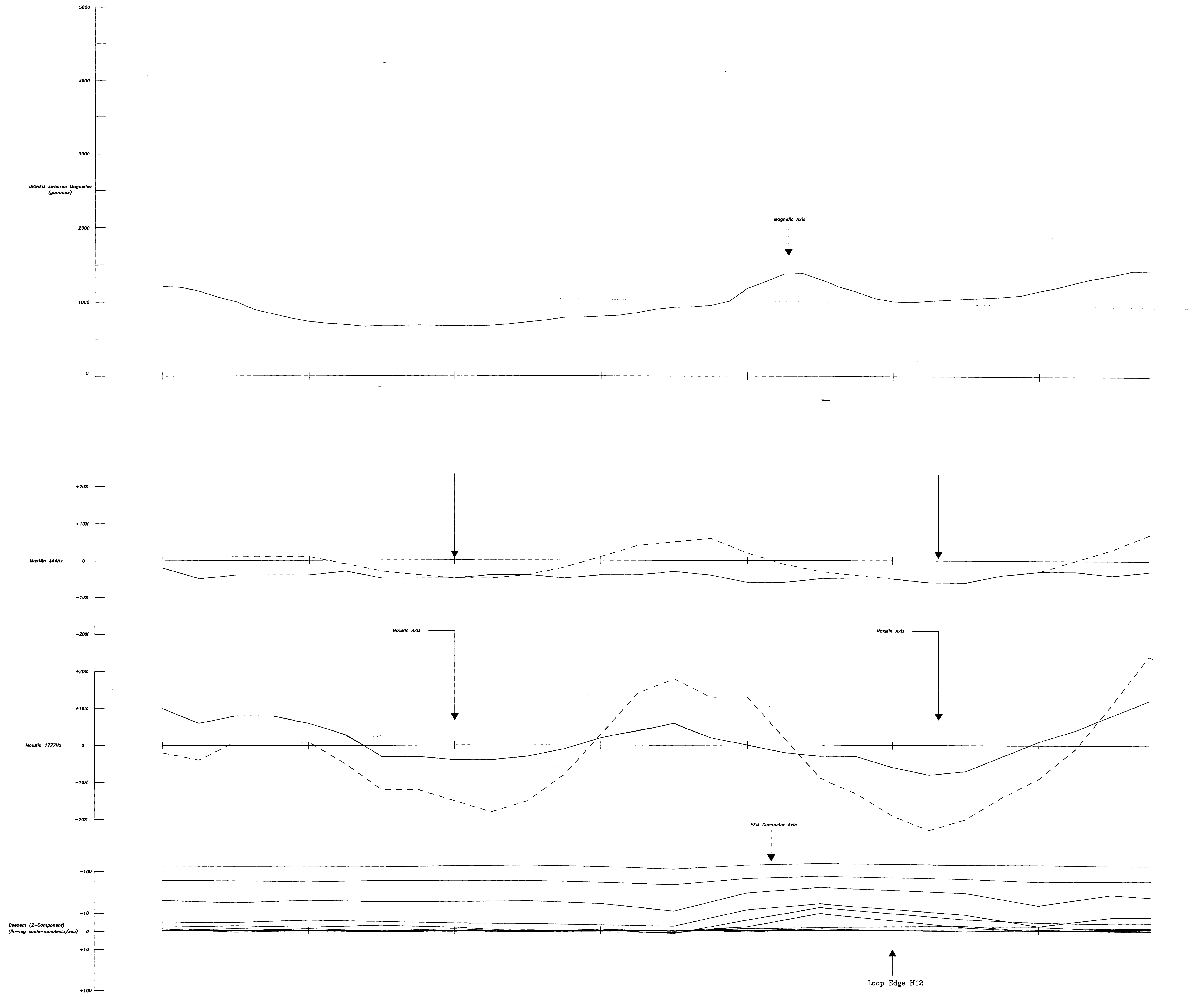
DATE DRAWN: June 1996 SCALE: 1:1 000 DWG No:  
 DRAWN BY: Bernie Hopkins JOB No: 98424  
 APPROVED BY: Maurice House N.T.S. 42 B/99

**7134**









**GCHEM DATA**

SAMPLE	DATE	TO	LENGTH	AU	AG	CU	NI
14889	5/20	57.00	1.00	0.00	0.00	0.00	0.00
14890	5/20	58.00	1.00	0.00	0.00	0.00	0.00
14891	5/20	59.00	1.00	0.00	0.00	0.00	0.00
14892	5/20	60.00	1.00	0.00	0.00	0.00	0.00
14893	5/20	61.00	1.00	0.00	0.00	0.00	0.00
14894	5/20	62.00	1.00	0.00	0.00	0.00	0.00
14895	5/20	63.00	1.00	0.00	0.00	0.00	0.00
14896	5/20	64.00	1.00	0.00	0.00	0.00	0.00
14897	5/20	65.00	1.00	0.00	0.00	0.00	0.00
14898	5/20	66.00	1.00	0.00	0.00	0.00	0.00
14899	5/20	67.00	1.00	0.00	0.00	0.00	0.00
14900	5/20	68.00	1.00	0.00	0.00	0.00	0.00
14901	5/20	69.00	1.00	0.00	0.00	0.00	0.00
14902	5/20	70.00	1.00	0.00	0.00	0.00	0.00
14903	5/20	71.00	1.00	0.00	0.00	0.00	0.00
14904	5/20	72.00	1.00	0.00	0.00	0.00	0.00
14905	5/20	73.00	1.00	0.00	0.00	0.00	0.00
14906	5/20	74.00	1.00	0.00	0.00	0.00	0.00
14907	5/20	75.00	1.00	0.00	0.00	0.00	0.00
14908	5/20	76.00	1.00	0.00	0.00	0.00	0.00
14909	5/20	77.00	1.00	0.00	0.00	0.00	0.00
14910	5/20	78.00	1.00	0.00	0.00	0.00	0.00
14911	5/20	79.00	1.00	0.00	0.00	0.00	0.00
14912	5/20	80.00	1.00	0.00	0.00	0.00	0.00
14913	5/20	81.00	1.00	0.00	0.00	0.00	0.00
14914	5/20	82.00	1.00	0.00	0.00	0.00	0.00
14915	5/20	83.00	1.00	0.00	0.00	0.00	0.00
14916	5/20	84.00	1.00	0.00	0.00	0.00	0.00
14917	5/20	85.00	1.00	0.00	0.00	0.00	0.00
14918	5/20	86.00	1.00	0.00	0.00	0.00	0.00
14919	5/20	87.00	1.00	0.00	0.00	0.00	0.00
14920	5/20	88.00	1.00	0.00	0.00	0.00	0.00
14921	5/20	89.00	1.00	0.00	0.00	0.00	0.00
14922	5/20	90.00	1.00	0.00	0.00	0.00	0.00
14923	5/20	91.00	1.00	0.00	0.00	0.00	0.00
14924	5/20	92.00	1.00	0.00	0.00	0.00	0.00
14925	5/20	93.00	1.00	0.00	0.00	0.00	0.00
14926	5/20	94.00	1.00	0.00	0.00	0.00	0.00
14927	5/20	95.00	1.00	0.00	0.00	0.00	0.00
14928	5/20	96.00	1.00	0.00	0.00	0.00	0.00
14929	5/20	97.00	1.00	0.00	0.00	0.00	0.00
14930	5/20	98.00	1.00	0.00	0.00	0.00	0.00
14931	5/20	99.00	1.00	0.00	0.00	0.00	0.00
14932	5/20	100.00	1.00	0.00	0.00	0.00	0.00
14933	5/20	101.00	1.00	0.00	0.00	0.00	0.00
14934	5/20	102.00	1.00	0.00	0.00	0.00	0.00
14935	5/20	103.00	1.00	0.00	0.00	0.00	0.00
14936	5/20	104.00	1.00	0.00	0.00	0.00	0.00
14937	5/20	105.00	1.00	0.00	0.00	0.00	0.00
14938	5/20	106.00	1.00	0.00	0.00	0.00	0.00
14939	5/20	107.00	1.00	0.00	0.00	0.00	0.00
14940	5/20	108.00	1.00	0.00	0.00	0.00	0.00
14941	5/20	109.00	1.00	0.00	0.00	0.00	0.00
14942	5/20	110.00	1.00	0.00	0.00	0.00	0.00
14943	5/20	111.00	1.00	0.00	0.00	0.00	0.00
14944	5/20	112.00	1.00	0.00	0.00	0.00	0.00
14945	5/20	113.00	1.00	0.00	0.00	0.00	0.00
14946	5/20	114.00	1.00	0.00	0.00	0.00	0.00
14947	5/20	115.00	1.00	0.00	0.00	0.00	0.00
14948	5/20	116.00	1.00	0.00	0.00	0.00	0.00
14949	5/20	117.00	1.00	0.00	0.00	0.00	0.00
14950	5/20	118.00	1.00	0.00	0.00	0.00	0.00

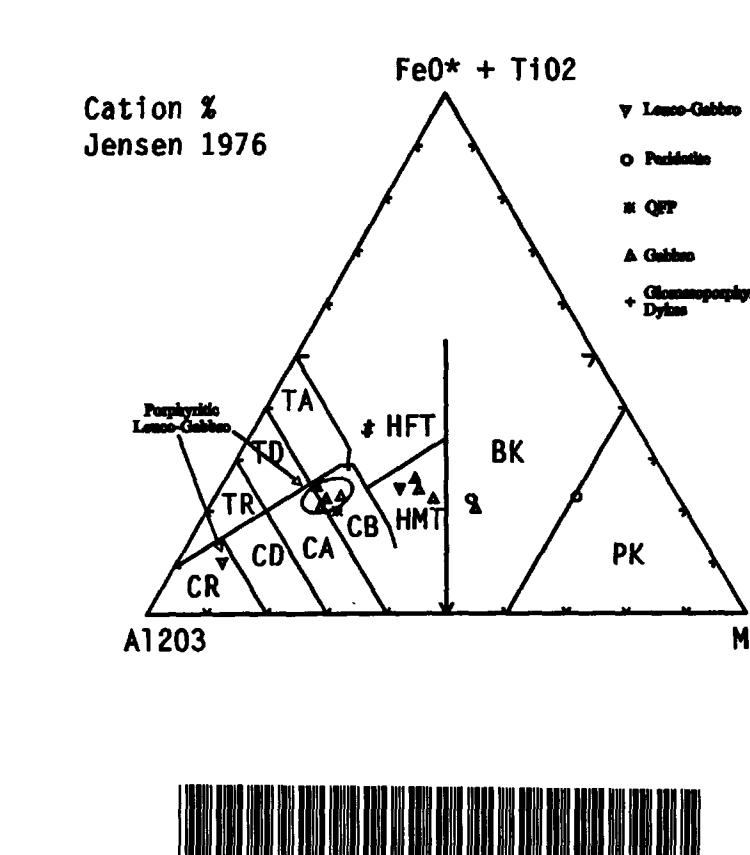
**WELDECK DATA**

SAMPLE	DATE	TO	LENGTH	AU	AG	CU	NI
14889	5/20	57.00	1.00	0.00	0.00	0.00	0.00
14890	5/20	58.00	1.00	0.00	0.00	0.00	0.00
14891	5/20	59.00	1.00	0.00	0.00	0.00	0.00
14892	5/20	60.00	1.00	0.00	0.00	0.00	0.00
14893	5/20	61.00	1.00	0.00	0.00	0.00	0.00
14894	5/20	62.00	1.00	0.00	0.00	0.00	0.00
14895	5/20	63.00	1.00	0.00	0.00	0.00	0.00
14896	5/20	64.00	1.00	0.00	0.00	0.00	0.00
14897	5/20	65.00	1.00	0.00	0.00	0.00	0.00
14898	5/20	66.00	1.00	0.00	0.00	0.00	0.00
14899	5/20	67.00	1.00	0.00	0.00	0.00	0.00
14900	5/20	68.00	1.00	0.00	0.00	0.00	0.00
14901	5/20	69.00	1.00	0.00	0.00	0.00	0.00
14902	5/20	70.00	1.00	0.00	0.00	0.00	0.00
14903	5/20	71.00	1.00	0.00	0.00	0.00	0.00
14904	5/20	72.00	1.00	0.00	0.00	0.00	0.00
14905	5/20	73.00	1.00	0.00	0.00	0.00	0.00
14906	5/20	74.00	1.00	0.00	0.00	0.00	0.00
14907	5/20	75.00	1.00	0.00	0.00	0.00	0.00
14908	5/20	76.00	1.00	0.00	0.00	0.00	0.00
14909	5/20	77.00	1.00	0.00	0.00	0.00	0.00
14910	5/20	78.00	1.00	0.00	0.00	0.00	0.00
14911	5/20	79.00	1.00	0.00	0.00	0.00	0.00
14912	5/20	80.00	1.00	0.00	0.00	0.00	0.00
14913	5/20	81.00	1.00	0.00	0.00	0.00	0.00
14914	5/20	82.00	1.00	0.00	0.00	0.00	0.00
14915	5/20	83.00	1.00	0.00	0.00	0.00	0.00
14916	5/20	84.00	1.00	0.00	0.00	0.00	0.00
14917	5/20	85.00	1.00	0.00	0.00	0.00	0.00
14918	5/20	86.00	1.00	0.00	0.00	0.00	0.00
14919	5/20	87.00	1.00	0.00	0.00	0.00	0.00
14920	5/20	88.00	1.00	0.00	0.00	0.00	0.00
14921	5/20	89.00	1.00	0.00	0.00	0.00	0.00
14922	5/20	90.00	1.00	0.00	0.00	0.00	0.00
14923	5/20	91.00	1.00	0.00	0.00	0.00	0.00
14924	5/20	92.00	1.00	0.00	0.00	0.00	0.00
14925	5/20	93.00	1.00	0.00	0.00	0.00	0.00
14926	5/20	94.00	1.00	0.00	0.00	0.00	0.00
14927	5/20	95.00	1.00	0.00	0.00	0.00	0.00
14928	5/20	96.00	1.00	0.00	0.00	0.00	0.00
14929	5/20	97.00	1.00	0.00	0.00	0.00	0.00
14930	5/20	98.00	1.00	0.00	0.00	0.00	0.00
14931	5/20	99.00	1.00	0.00	0.00	0.00	0.00
14932	5/20	100.00	1.00	0.00	0.00	0.00	0.00
14933	5/20	101.00	1.00	0.00	0.00	0.00	0.00
14934	5/20	102.00	1.00	0.00	0.00	0.00	0.00
14935	5/20	103.00	1.00	0.00	0.00	0.00	0.00
14936	5/20	104.00	1.00	0.00	0.00	0.00	0.00
14937	5/20	105.00	1.00	0.00	0.00	0.00	0.00
14938	5/20	106.00	1.00	0.00	0.00	0.00	0.00
14939	5/20	107.00	1.00	0.00	0.00	0.00	0.00
14940	5/20	108.00	1.00	0.00	0.00	0.00	0.00
14941	5/20	109.00	1.00	0.00	0.00	0.00	0.00
14942	5/20	110.00	1.00	0.00	0.00	0.00	0.00
14943	5/20	111.00	1.00	0.00	0.00	0.00	0.00
14944	5/20	112.00	1.00	0.00	0.00	0.00	0.00
14945	5/20	113.00	1.00	0.00	0.00	0.00	0.00
14946	5/20	114.00	1.00	0.00	0.00	0.00	0.00
14947	5/20	115.00	1.00	0.00	0.00	0.00	0.00
14948	5/20	116.00	1.00	0.00	0.00	0.00	0.00
14949	5/20	117.00	1.00	0.00	0.00	0.00	0.00
14950	5/20	118.00	1.00	0.00	0.00	0.00	0.00

- 7 Late Mafic Intrusive Rocks
  - a. equigranular diabase
  - b. porphyritic diabase
- 6 Intermediate to Early Intrusive Rock
  - a. fine grained ophiolite dykes
  - b. quartz-feldspar-porphyr dykes
  - c. tonalite-trondhjemite
  - d. granite to granodiorite
  - e. syenite
- 5 Mafic Intrusive Rocks
  - a. fine grained basaltic dykes (feeders of volcanics)
  - b. diorite to quartz gabbro
  - c. lanprophyre
- 4 Gabbroic Rocks
  - a. peridotite (olivine/pyroxene with Mte-Serp-Carb-Talc)
  - b. pyroxenite (pyroxene-olivine and plagioclase <10%)
  - c. gabbro (pyroxene-plagioclase-hornblende with 10-35%)
  - d. leuco-gabbro (pyroxene-plagioclase-hornblende with plg 35-60%)
  - e. monzonite (<50% plagioclase)
  - f. gabbroic dykes (equigranular cross-cutting)
  - g. porphyritic gabbro dykes (plagioclase-pyroxene phyric cross-cutting)
  - h. dioriteporphyritic dykes (plagioclase aggregates in fine grained gabbro matrix)

- 3 Sedimentary Rocks
  - a. argillite/mudstone
  - b. greywacke
  - c. siltstone
  - d. banded iron formation - Mte-chert bearing
  - e. sulphide iron formation - py-po bearing
- 2 Felsic Volcanic Rocks
  - a. massive flows
  - b. ash tuff
  - c. lapilli tuff
  - d. breccia tuff
  - e. quartz-sericite schist
- 1 Mafic to Intermediate Volcanic Rocks
  - a. massive flows
  - b. pillowed flows
  - c. amygdaloidal flows
  - d. amphibolitized
  - e. schist
  - f. variscite flows

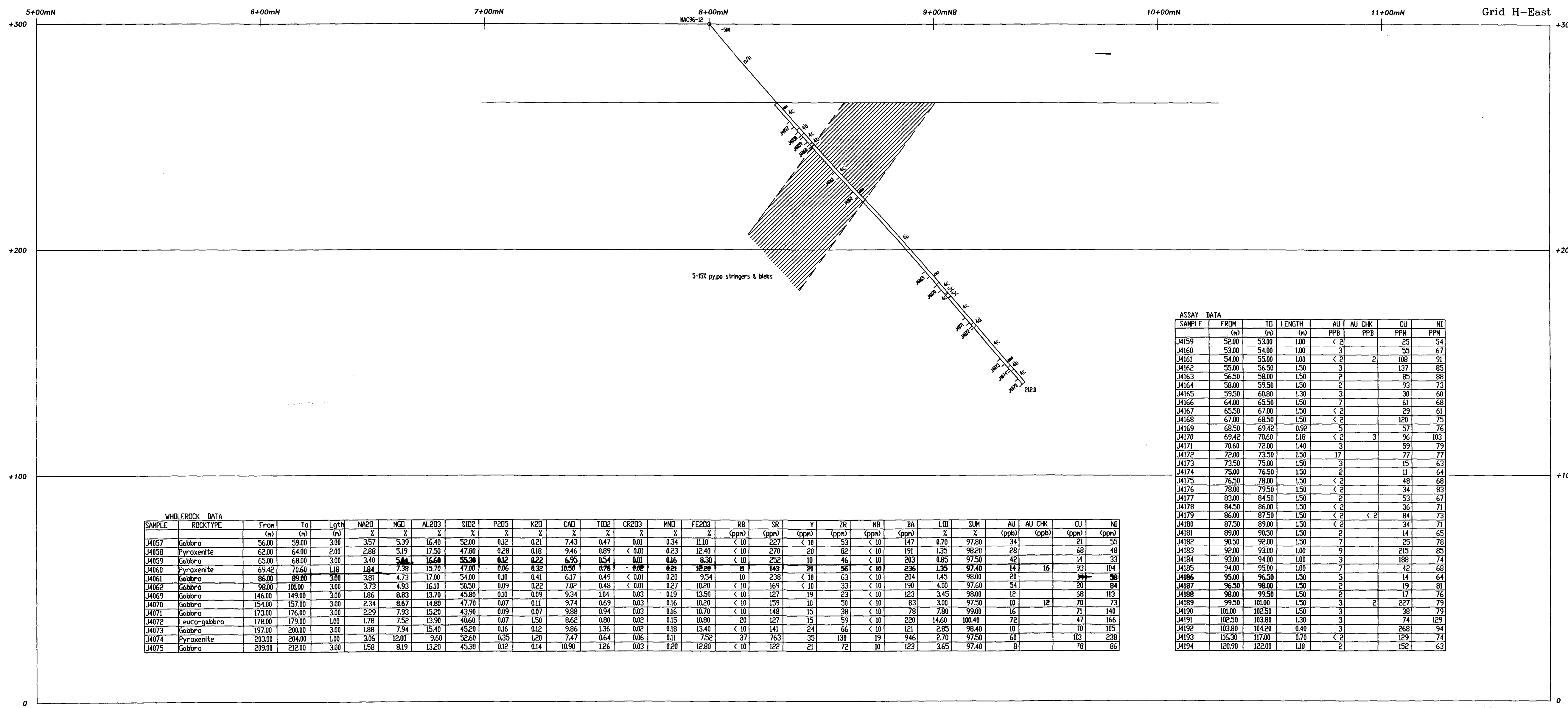
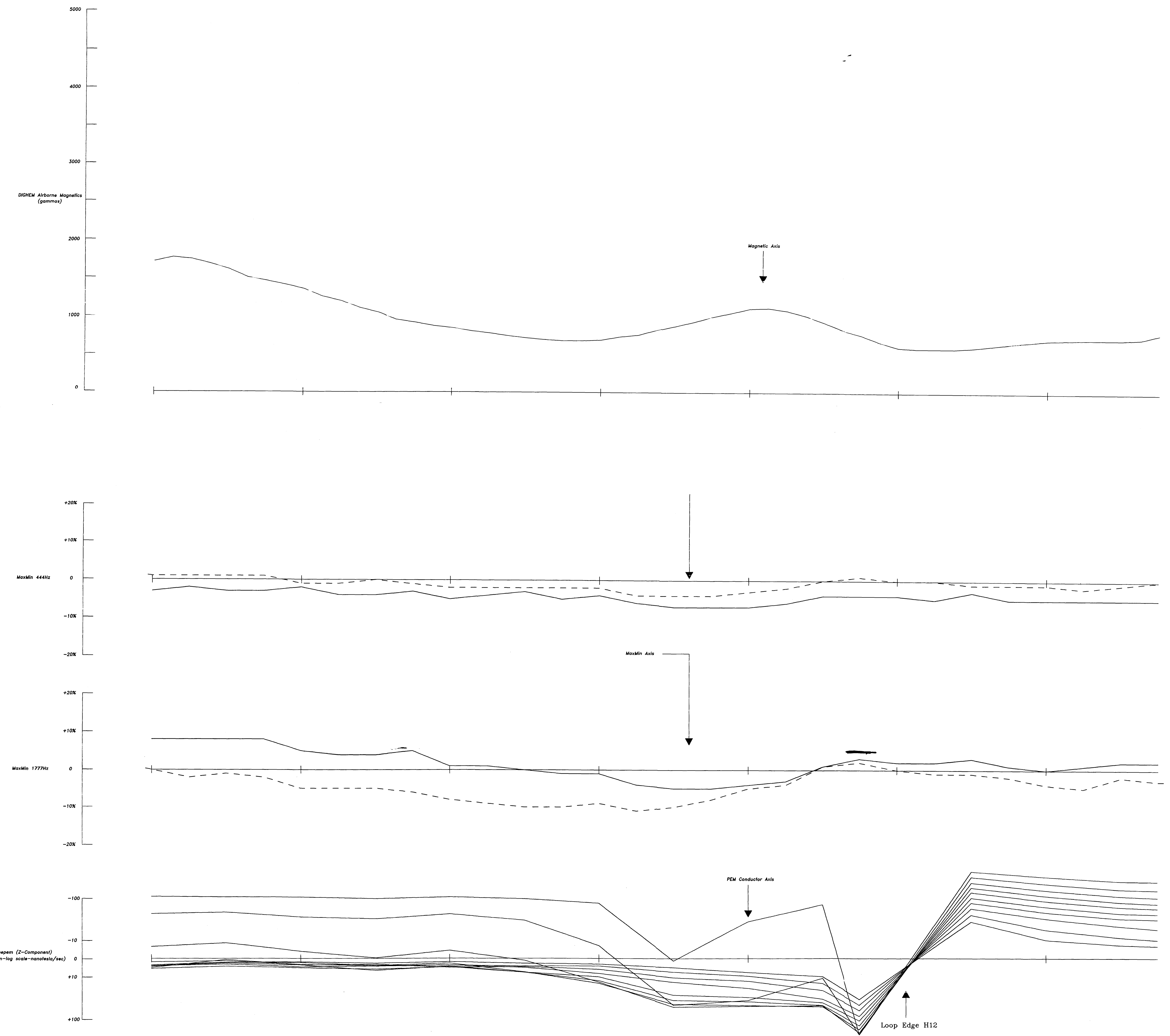
- Mineralogical/Alteration Names**
- alb albite
  - amph amphibole
  - anp arsenopyrite
  - bio biotite
  - cpy chalcopyrite
  - chrt chlorite
  - ep epidote
  - gph graphite
  - gnt garnet
  - hbl hornblende
  - ilm ilmenite
  - mte magnetite
  - py pyrite
  - ser serpentine
  - serp sericite
  - sph sphalerite
  - stf stannite
  - carb carbonatized
  - spn sphalerite
  - tal talc
  - su sulphides



**TECK EXPLORATION LTD.**  
**MONTCALM PROJECT**  
**DDH. SECTION MAC96-11**  
**LINE 87+00mE**

DATE DRAWN: June 1996 SCALE: 1:1,000 DWG No: 7136  
 DRAWN By: Bernie Hopkins JOB No: 98424  
 APPROVED By: Maurice Houle N.T.S: 42 B/09





WML EXCEL Data

Sample	From	To	Ln	WGS	N40	Al2O3	SiO2	FeO	K2O	CaO	TiO2	Cr2O3	MnO	Fe2O3	SR	Y	Zr	Nb	BA	Li	SL	AU	Ag	Cu	Ni
J4857	56.00	59.00	2.00	3.75	5.99	64.40	59.00	0.02	0.21	7.83	0.47	0.01	0.34	11.81	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
J4858	62.00	64.00	2.00	2.88	5.19	17.50	47.88	0.08	0.18	9.46	0.89	0.01	0.52	12.43	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
J4859	65.00	68.00	3.00	3.44	5.88	16.46	54.88	0.08	0.18	9.46	0.89	0.01	0.52	12.43	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
J4860	69.00	72.00	3.00	3.44	5.88	16.46	54.88	0.08	0.18	9.46	0.89	0.01	0.52	12.43	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
J4861	76.00	79.00	3.00	3.44	5.88	16.46	54.88	0.08	0.18	9.46	0.89	0.01	0.52	12.43	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
J4862	86.00	89.00	3.00	3.44	5.88	16.46	54.88	0.08	0.18	9.46	0.89	0.01	0.52	12.43	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
J4863	96.00	99.00	3.00	3.44	5.88	16.46	54.88	0.08	0.18	9.46	0.89	0.01	0.52	12.43	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
J4864	106.00	109.00	3.00	3.44	5.88	16.46	54.88	0.08	0.18	9.46	0.89	0.01	0.52	12.43	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
J4865	116.00	119.00	3.00	3.44	5.88	16.46	54.88	0.08	0.18	9.46	0.89	0.01	0.52	12.43	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
J4866	126.00	129.00	3.00	3.44	5.88	16.46	54.88	0.08	0.18	9.46	0.89	0.01	0.52	12.43	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
J4867	136.00	139.00	3.00	3.44	5.88	16.46	54.88	0.08	0.18	9.46	0.89	0.01	0.52	12.43	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
J4868	146.00	149.00	3.00	3.44	5.88	16.46	54.88	0.08	0.18	9.46	0.89	0.01	0.52	12.43	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
J4869	156.00	159.00	3.00	3.44	5.88	16.46	54.88	0.08	0.18	9.46	0.89	0.01	0.52	12.43	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
J4870	166.00	169.00	3.00	3.44	5.88	16.46	54.88	0.08	0.18	9.46	0.89	0.01	0.52	12.43	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
J4871	176.00	179.00	3.00	3.44	5.88	16.46	54.88	0.08	0.18	9.46	0.89	0.01	0.52	12.43	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
J4872	186.00	189.00	3.00	3.44	5.88	16.46	54.88	0.08	0.18	9.46	0.89	0.01	0.52	12.43	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
J4873	196.00	199.00	3.00	3.44	5.88	16.46	54.88	0.08	0.18	9.46	0.89	0.01	0.52	12.43	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
J4874	206.00	209.00	3.00	3.44	5.88	16.46	54.88	0.08	0.18	9.46	0.89	0.01	0.52	12.43	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
J4875	216.00	219.00	3.00	3.44	5.88	16.46	54.88	0.08	0.18	9.46	0.89	0.01	0.52	12.43	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

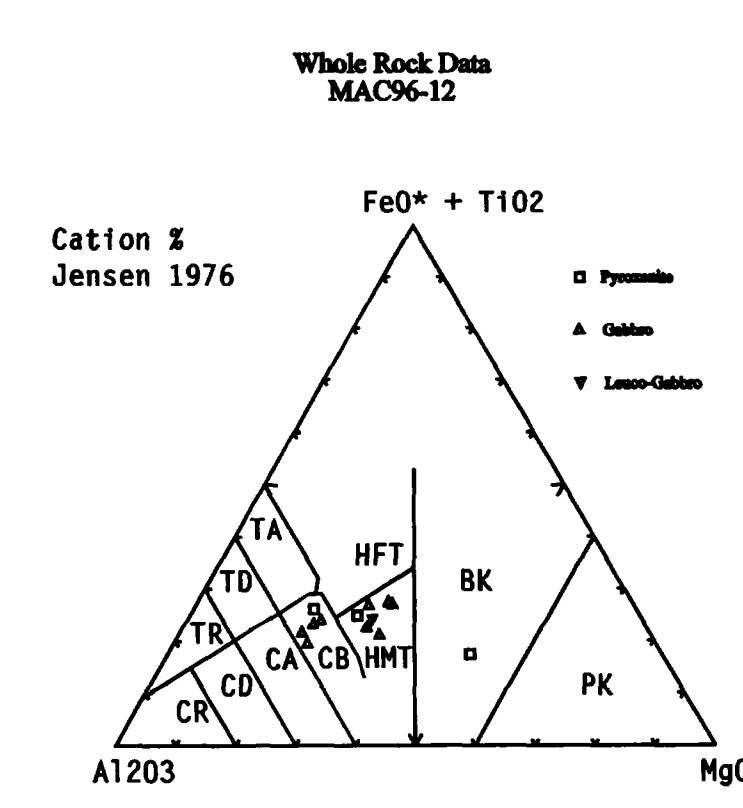
ASSAY DATA

SAMPLE	FROM	TO	LENGTH	AU	Ag	Cu	Ni
J4859	56.00	59.00	1.00	2.5	2.4	2.4	2.4
J4860	62.00	64.00	1.00	2.5	2.4	2.4	2.4
J4861	65.00	68.00	1.00	2.5	2.4	2.4	2.4
J4862	69.00	72.00	1.00	2.5	2.4	2.4	2.4
J4863	76.00	79.00	1.00	2.5	2.4	2.4	2.4
J4864	86.00	89.00	1.00	2.5	2.4	2.4	2.4
J4865	96.00	99.00	1.00	2.5	2.4	2.4	2.4
J4866	106.00	109.00	1.00	2.5	2.4	2.4	2.4
J4867	116.00	119.00	1.00	2.5	2.4	2.4	2.4
J4868	126.00	129.00	1.00	2.5	2.4	2.4	2.4
J4869	136.00	139.00	1.00	2.5	2.4	2.4	2.4
J4870	146.00	149.00	1.00	2.5	2.4	2.4	2.4
J4871	156.00	159.00	1.00	2.5	2.4	2.4	2.4
J4872	166.00	169.00	1.00	2.5	2.4	2.4	2.4
J4873	176.00	179.00	1.00	2.5	2.4	2.4	2.4
J4874	186.00	189.00	1.00	2.5	2.4	2.4	2.4
J4875	196.00	199.00	1.00	2.5	2.4	2.4	2.4

- 7 Late Mafic Intrusive Rocks
  - a. equigranular diabase
  - b. porphyritic diabase
- 6 Intermediate to Felsic Intrusive Rocks
  - a. fine grained apfite/diabase dykes
  - b. quartz-feldspar porphyry dykes
  - c. tonalite-trandjenite
  - d. granite to granodiorite
  - e. syenite
- 5 Mafic Intrusive Rocks
  - a. fine grained basaltic dykes (feeders of volcanics)
  - b. diorite to quartz gabbro
  - c. lamprophyre
- 4 Gabbroic Rocks
  - a. peridotite (olivine-pyroxene with Mte-Serp-Carb-Talc)
  - b. pyroxenite (pyroxene-olivine and plagioclase <10%)
  - c. gabbro (pyroxene-plagioclase-hornblende with plig 10-35%)
  - d. leuco-gabbro (pyroxene-plagioclase-hornblende with plig 35-60%)
  - e. anorthosite (>50% plagioclase)
  - f. gabbroic dykes (equigranular cross-cutting)
  - g. porphyritic gabbro dykes (plagioclase-pyroxene phytic cross-cutting)
  - h. glomeroporphyritic dykes (plagioclase aggregates in fine grained gabbro matrix)

- 3 Sedimentary Rocks
  - a. argillite/mudstone
  - b. greywacke
  - c. arkose
  - d. banded iron formation - Mte-chert bearing
  - e. sulphide iron formation - py-po bearing
- 2 Felsic Volcanic Rocks
  - a. massive flows
  - b. ash tuff
  - c. lapilli tuff
  - d. breccia tuff
  - e. quartz-sericite schist
- 1 Mafic to Intermediate Volcanic Rocks
  - a. massive flows
  - b. pillowed flows
  - c. amygdaloidal flows
  - d. amphibolized
  - e. schist
  - f. variolitic flows

- Mineralogical/Alteration Names
- alb albite
  - amph amphibole
  - asp arsenopyrite
  - bc biotite
  - cp chalcopyrite
  - chl chlorite
  - ep epidote
  - gph garnet
  - gm hematite
  - hb hornblende
  - il ilmenite
  - ite iron-titanium oxide
  - mag magnetite
  - py pyrite
  - ser serpentine
  - ser sericite
  - sil silicified
  - carb carbonatized
  - aph apatite
  - lc calcite
  - sup sulphides



TECK EXPLORATION LTD.

MONTCALM PROJECT

DDH. SECTION MAC96-12

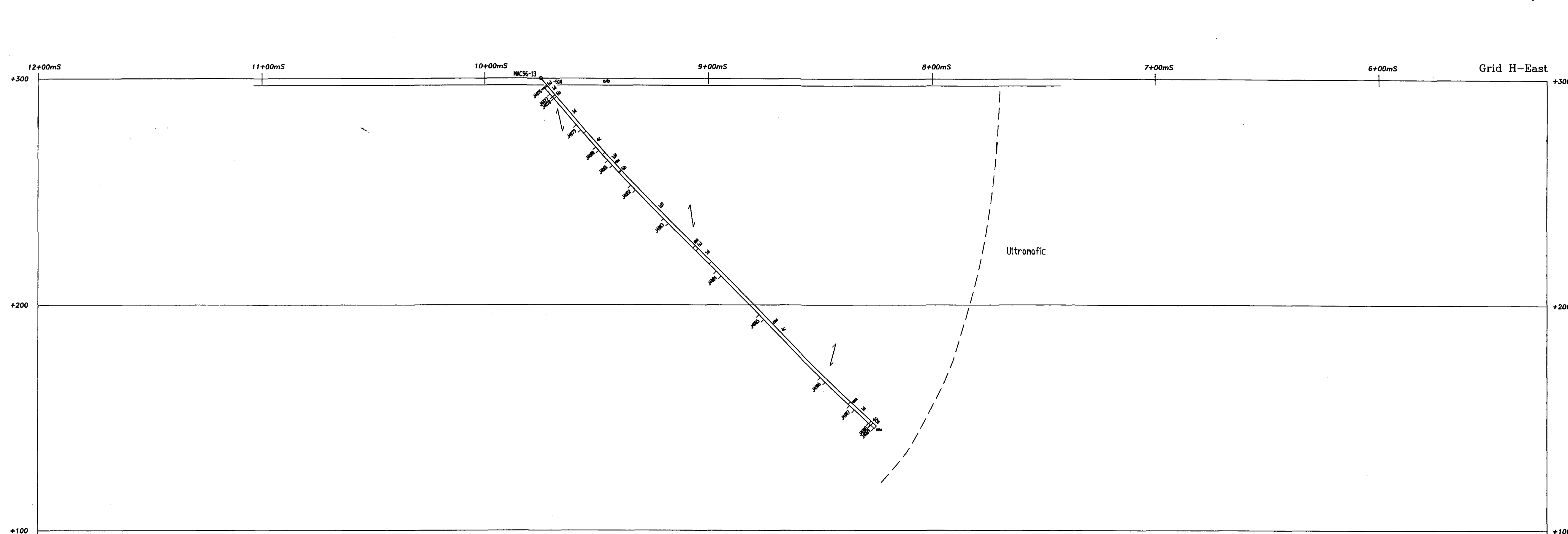
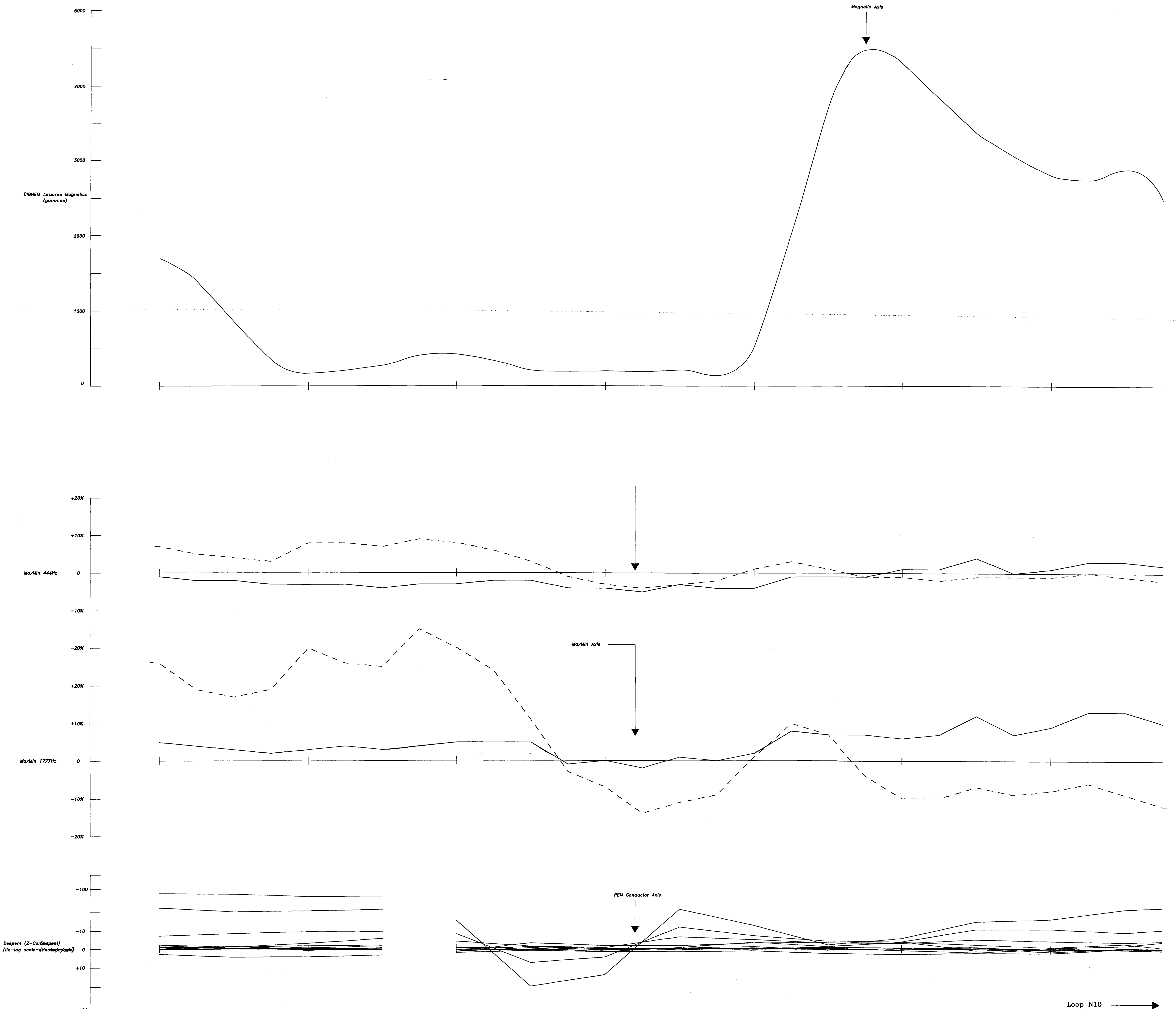
LINE 84+00mE

DATE DRAWN: June 1996 SCALE: 1:1 000 DWG No: 4137

DRAWN BY: Berna Hopkins JOB No: 88424

APPROVED BY: Maurice Houle N.T.S.: 42 B/09

RECEIVED JUL 2 1997

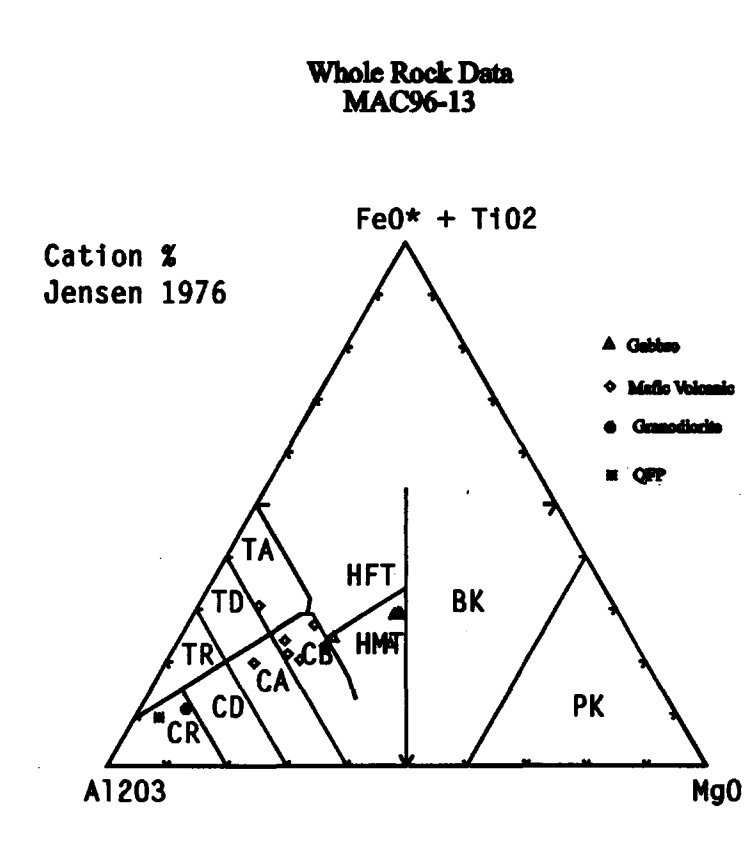


VIALETEX DATA		ASSAY DATA										
SAMPLE	ROCKTYPE	From	To	SAMP#	FRM	TO	LENGTH	AI	AU	CHK	CU	NI
14076	Ironstone	4.00	4.50	14443	199.00	206.00	1.00	1	84	9		
14077	Mafic Volcanic	8.00	9.00	14444	206.00	210.00	1.00	1	18	3		
14078	SP	9.70	10.70	14445	206.00	209.00	1.00	1	23	25		
14079	Mafic Volcanic	26.00	29.00	14446	206.00	209.00	1.00	1	23	25		
14080	Ironstone	39.00	41.00									
14081	Mafic Volcanic	47.00	50.00									
14082	Mafic Volcanic	62.00	65.00									
14083	Mafic Volcanic	83.00	86.00									
14084	Ironstone	16.00	17.00									
14085	Ironstone	14.00	16.00									
14086	Ironstone	18.00	19.00									
14087	Mafic Volcanic	20.00	21.00									
14088	Ironstone	21.70	22.80									
14089	Mafic Volcanic	23.00	25.00									

- 7 Late Mafic Intrusive Rocks
  - a. equigranular diabase
  - b. porphyritic diabase
- 6 Intermediate to Paleic Intrusive Rock
  - a. fine grained aphanitic felsite dykes
  - b. quartz-feldspar-porphyr dykes
  - c. tonalite-trondhjemite
  - d. granite to granodiorite
  - e. zirconite
- 5 Mafic Intrusive Rocks
  - a. fine grained basaltic dykes (feeders of volcanics)
  - b. diorite to quartz gabbro
  - c. lamprophyre
- 4 Gabbroic Rocks
  - a. peridotite (olivine-pyroxene with Mte-Serp-Carb-Talc)
  - b. pyroxenite (pyroxene-olivine and plagioclase <10%)
  - c. gabbro (pyroxene-plagioclase-hornblende with plag 10-35%)
  - d. fucro-gabbro (pyroxene-plagioclase-hornblende with plag 35-60%)
  - e. anorthite (>50% plagioclase)
  - f. gabbroic dykes (equigranular cross-cutting)
  - g. porphyritic gabbro dykes (plagioclase-pyroxene phytic cross-cutting)
  - h. glomeroporphyritic dykes (plagioclase aggregates in fine grained gabbro matrix)

- 3 Sedimentary Rocks
  - a. argillite/mudstone
  - b. greywacke
  - c. onirose
  - d. banded iron formation - Mte-chert bearing
  - e. sulphide iron formation - pp-pb bearing
- 2 Felsic Volcanic Rocks
  - a. massive flows
  - b. ash tuff
  - c. lapilli tuff
  - d. breccia tuff
  - e. quartz-sericite schist
- 1 Mafic to Intermediate Volcanic Rocks
  - a. massive flows
  - b. pillowed flows
  - c. amygdaloidal flows
  - d. amphibolized
  - e. schist
  - f. variolitic flows

- Mineralogical/Alteration Names
  - alb albite
  - amph amphibole
  - amph armenopyrite
  - bio biotite
  - chp chloropyrite
  - chl chlorite
  - ep epidote
  - grn garnet
  - gnt garnet
  - hbn hornblende
  - hdb hornblende
  - ilc ilmenite
  - mte magnetite
  - pp pyrite
  - ser serpentine
  - serp serpentine
  - silf silified
  - carb carbonatized
  - aph apatite
  - talc talc
  - enph enphosid
  - su sulphides



SECTION LOOKING WEST

2.17524

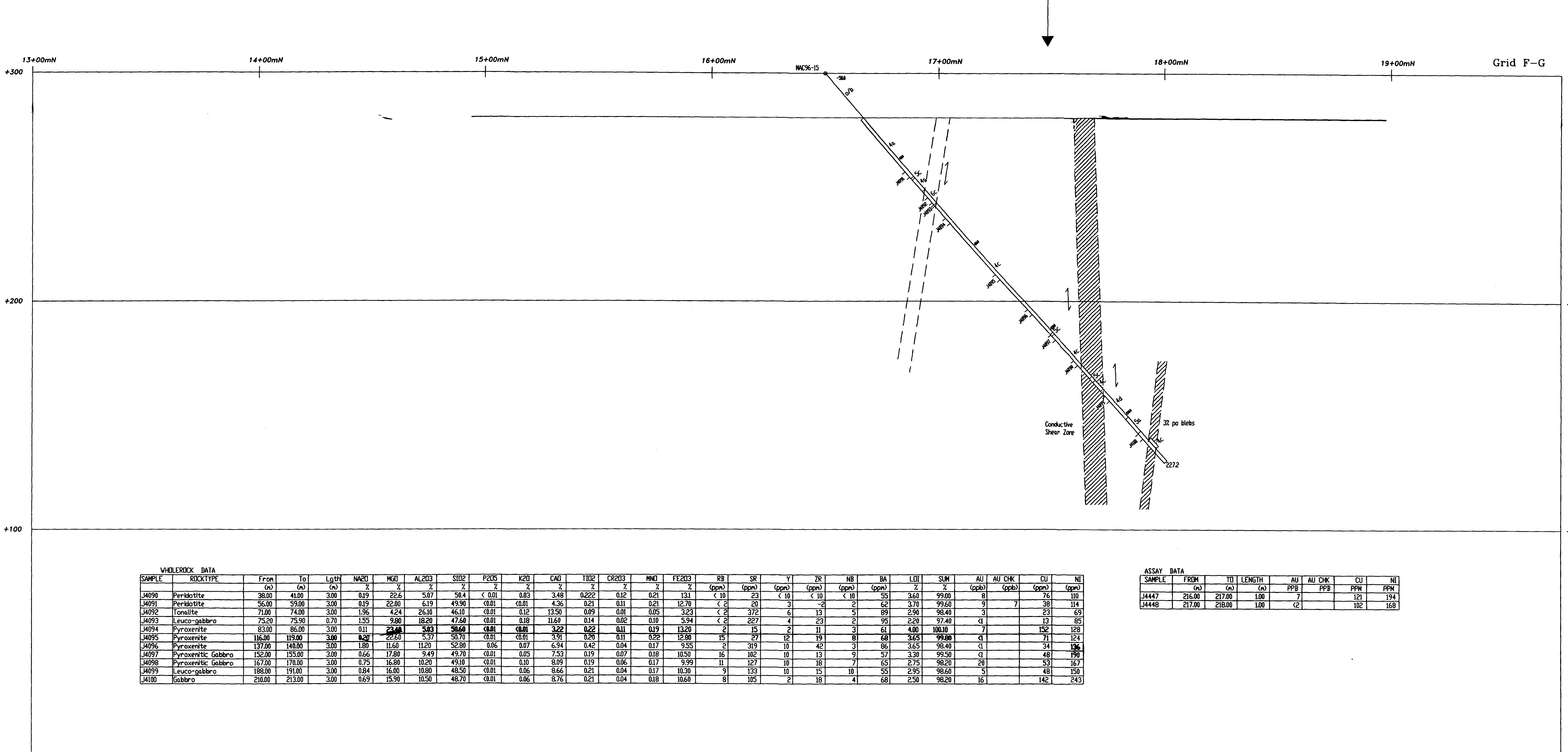
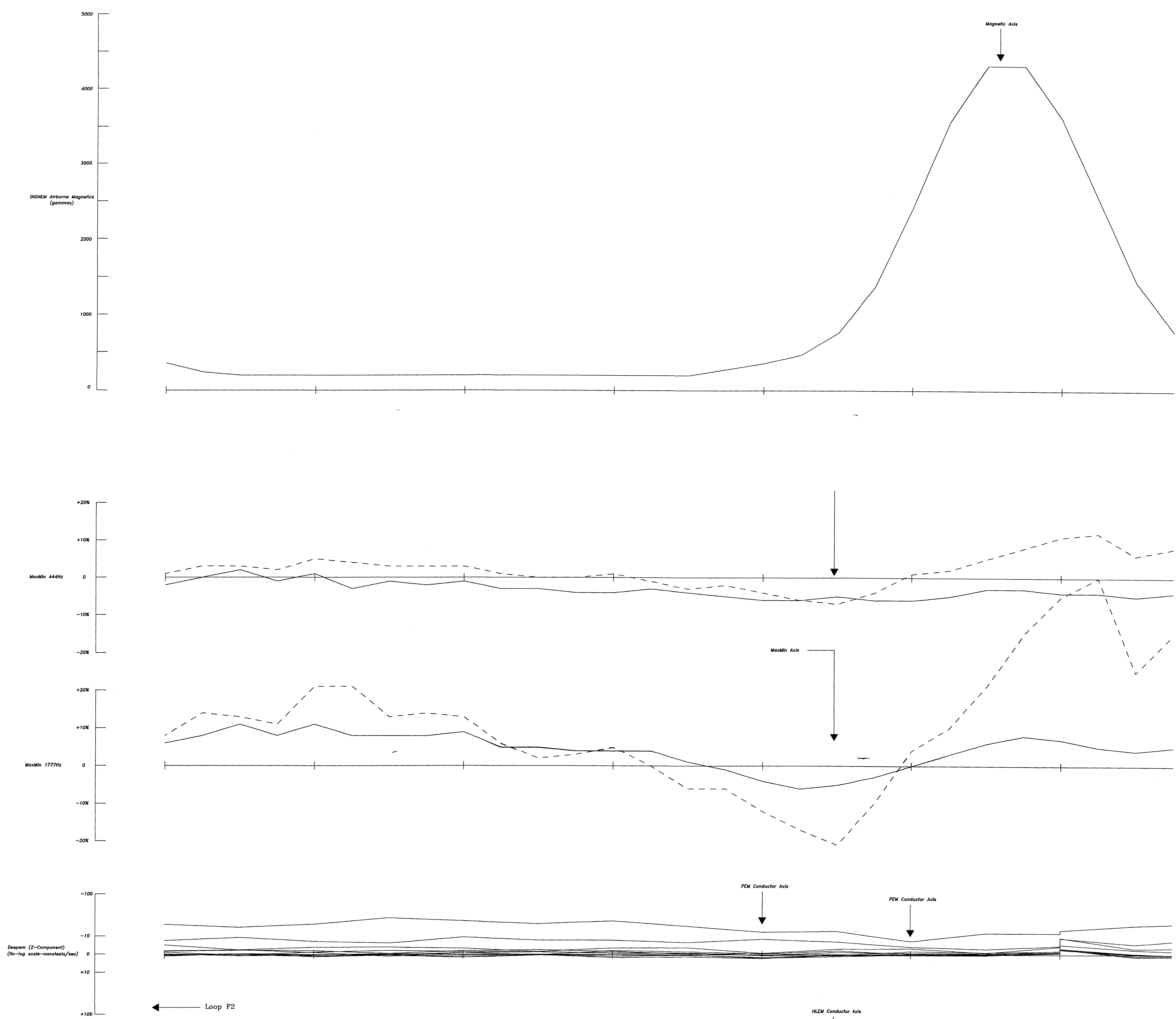
RECEIVED  
JUL 2 8 1997  
MONTCALM PROJECT

TECK EXPLORATION LTD.  
MONTCALM PROJECT  
DDH. SECTION MAC96-13  
LINE 78+00mE

DATE DRAWN: June 1996 SCALE: 1:1 000 DWG No:  
DRAWN By: Bernie Hopkins JOB No: 88424  
APPROVED By: Maurice Houle N.T.S.: 42 B/09 7138







SAMPLE	DEPTH	FRM	TO	LGTH	WGT	MO	AL2O3	SiO2	Fe2O3	CaO	TiO2	CR2O3	MnO	FeSO4	SS	SS	Y	Zn	NS	SN	LI	SR	AU	AG	CU	NI
0494	Peridotite	3600	4100	500	4.9	2.4	2.4	52.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
0495	Peridotite	2500	2900	400	4.9	2.4	2.4	52.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
0496	Gabbro	7100	7400	300	1.96	4.24	26.46	46.77	0.85	0.12	0.50	0.09	0.08	0.05	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
0497	Leuco-gabbro	7500	7900	400	1.52	3.89	23.29	47.64	0.88	0.12	0.50	0.09	0.08	0.05	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
0498	Pyroxenite	8100	8200	100	0.11	0.44	2.64	4.88	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
0499	Pyroxenite	8600	8700	100	0.08	0.32	1.92	3.44	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
0500	Pyroxenite	13700	14200	500	1.80	11.62	11.25	52.26	0.56	0.77	0.54	0.42	0.04	0.17	0.35	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
0501	Pyroxenite Gabbro	13200	13500	300	0.66	17.80	1.84	49.78	0.81	0.05	0.51	0.09	0.07	0.08	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
0502	Pyroxenite Gabbro	13700	14100	400	0.75	16.80	1.80	49.18	0.81	0.05	0.51	0.09	0.07	0.08	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
0503	Leuco-gabbro	18800	19100	300	0.84	16.00	10.00	48.50	0.81	0.05	0.46	0.05	0.04	0.17	0.30	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
0504	Gabbro	2100	21300	2100	0.97	15.50	10.00	46.70	0.81	0.05	0.46	0.05	0.04	0.17	0.30	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	

SAMPLE	FRM	TO	LGTH	AU	AG	CU	NI
0447	260.00	277.00	100	1.0	1.0	1.0	1.0
0448	277.00	288.00	100	1.0	1.0	1.0	1.0

**Late Mafic Intrusive Rocks**

- a. equigranular diabase
- b. porphyritic diabase

**Intermediate to Felcic Intrusive Rock**

- a. fine grained aphanitic felsite dykes
- b. quartz-feldspar porphyry dykes
- c. tonalite-trondhjemite
- d. granite to granodiorite
- e. syenite

**Mafic Intrusive Rocks**

- a. fine grained basaltic dykes (feeders of volcanics)
- b. diorite to quartz gabbro
- c. lamprophyre

**Gabbroic Rocks**

- a. peridotite (olivine) pyroxene with Mte-Serp-Carb-Talc
- b. pyroxenite (pyroxene) olivine and plagioclase <10%
- c. gabbro (pyroxene-plagioclase-hornblende with plag 10-35%)
- d. leuco-gabbro (pyroxene-plagioclase-hornblende with plag 35-60%)
- e. anorthositic (>60% plagioclase)
- f. gabbroic dykes (equigranular cross-cutting)
- g. porphyritic gabbro dykes (plagioclase-pyroxene phyric cross-cutting)
- h. glomeroporphyritic dykes (plagioclase aggregates in fine grained gabbro matrix)

**Sedimentary Rocks**

- a. argillite/mudstone
- b. greywacke
- c. siltstone
- d. banded iron formation - Mte-chert bearing
- e. sulphide iron formation - py-po bearing

**Felsic Volcanic Rocks**

- a. massive flows
- b. ash tuff
- c. lapilli tuff
- d. breccia tuff
- e. quartz-sericite schist

**Mafic to Intermediate Volcanic Rocks**

- a. massive flows
- b. pillowed flows
- c. amygdaloidal flows
- d. amphibolitized
- e. schist
- f. variolite flows

**Mineralogical/Alteration Names**

- alb albite
- amph amphibole
- amphf arfvedsonite
- bio biotite
- chc chalcopyrite
- chl chlorite
- ep epidote
- grb greenschist
- gnt garnet
- hbn hornblende
- hdb hornblende
- lie ilmenite
- mtc magnetite
- pyr pyrite
- serp serpentine
- ser sericite
- sil sillite
- carb carbonatized
- aph aphanitic
- lc lentic
- slph sulphides

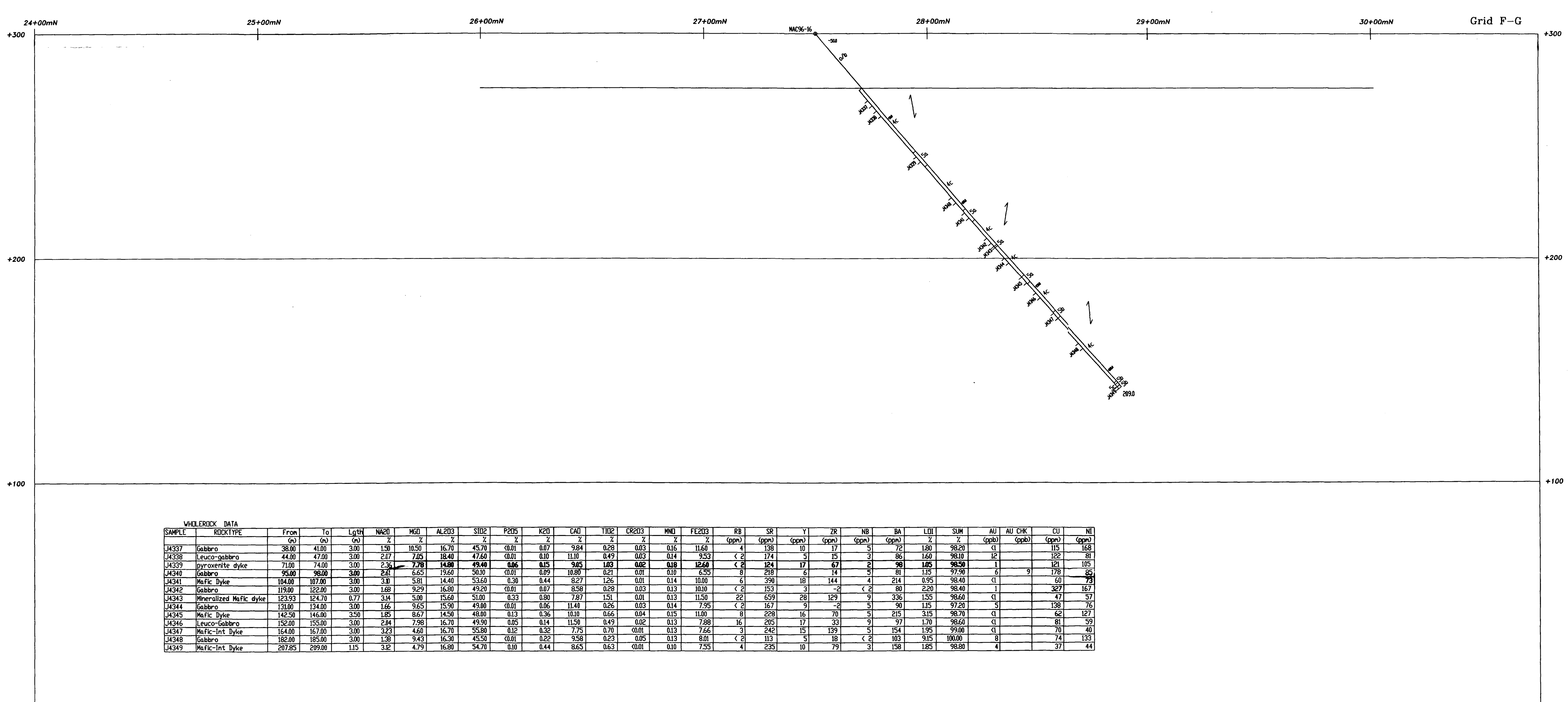
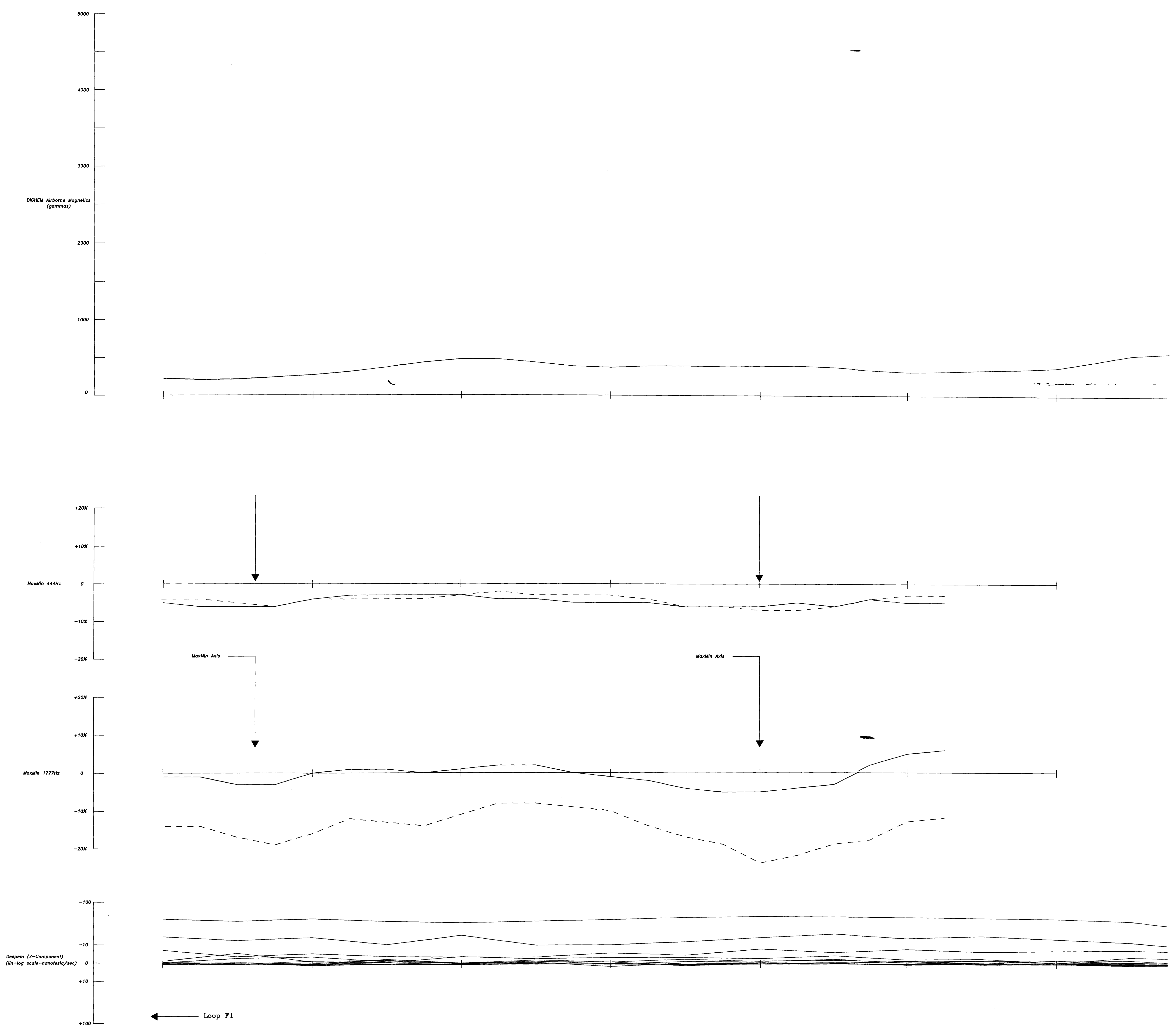
SECTION LOOKING WEST

RECEIVED  
JUL 2 1997

2.17524

TECK EXPLORATION LTD.  
MONTCALM PROJECT  
DDH. SECTION MAC96-15  
LINE 7+00mE

DATE DRAWN: May 1996 SCALE: 1:2,000 DWG No:  
DRAWN BY: BERNIE HOPKINS JOB No: 88424  
APPROVED BY: M. Houle N.T.S: 42 B/09 7140

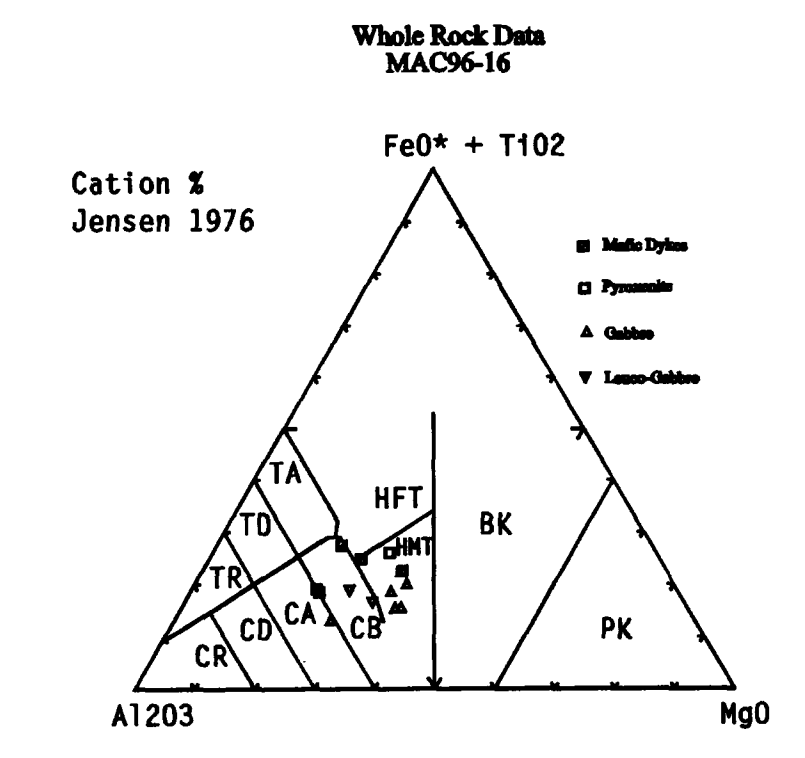


Well ID	Depth (m)	Interval (m)	Formation	Rock Type	Grain Size	Color	Texture	Other
MAC96-16	0-10	10-15	gabbro	fine grained aphanitic felsite dykes	...	...	...	...
MAC96-16	15-20	20-25	gabbro	intermediate to felsic intrusive rock	...	...	...	...
MAC96-16	25-30	30-35	gabbro	gabbro	...	...	...	...

- 7 Late Mafic Intrusive Rocks
  - a. equigranular diabase
  - b. porphyritic diabase
- 6 Intermediate to Felsic Intrusive Rock
  - a. quartz-feldspar-porphyr dykes
  - b. quartz-feldspar-porphyr dykes
  - c. tonalite-trondjemite
  - d. granite to granodiorite
  - e. syenite
- 5 Mafic Intrusive Rocks
  - a. fine grained basaltic dykes (feeders of volcanics)
  - b. diorite to quartz gabbro
  - c. lamprophyre
- 4 Gabbroic Rocks
  - a. peridotite (olivine-pyroxene with Mn-Serp-Carb-Talc)
  - b. gabbro (pyroxene-plagioclase and plagioclase <10%)
  - c. gabbro (pyroxene-plagioclase-hornblende with plag 10-35%)
  - d. baso-gabbro (pyroxene-plagioclase-hornblende with plag 35-60%)
  - e. anorthositic (>60% plagioclase)
  - f. gabbroic dykes (equigranular cross-cutting)
  - g. porphyritic gabbro dykes (plagioclase-pyroxene phytic cross-cutting)
  - h. glomeroporphyritic dykes (plagioclase aggregates in fine grained gabbro matrix)

- 3 Sedimentary Rocks
  - a. argillite/mudstone
  - b. greywacke
  - c. arkose
  - d. banded iron formation - Mn-chert bearing
  - e. sulphide iron formation - py-po bearing
- 2 Pelitic Volcanic Rocks
  - a. massive flows
  - b. ash tuff
  - c. lapilli tuff
  - d. breccia tuff
  - e. quartz-sericite schist
- 1 Mafic to Intermediate Volcanic Rocks
  - a. massive flows
  - b. pillowed flows
  - c. amygdaloidal flows
  - d. amphibolitized
  - e. schist
  - f. variolitic flows

- Mineralogical/Alteration Names
- alb albite
  - amph amphibole
  - aspy arsenopyrite
  - bio biotite
  - cal chalcopyrite
  - chl chlorite
  - ep epidote
  - gnt garnet
  - hem hematite
  - hbl hornblende
  - ite ilmenite
  - mag magnetite
  - py pyrite
  - ser serpentine
  - serc sericite
  - sil silified
  - carb carbonatized
  - sph sphalerite
  - tal talc
  - su sulphides



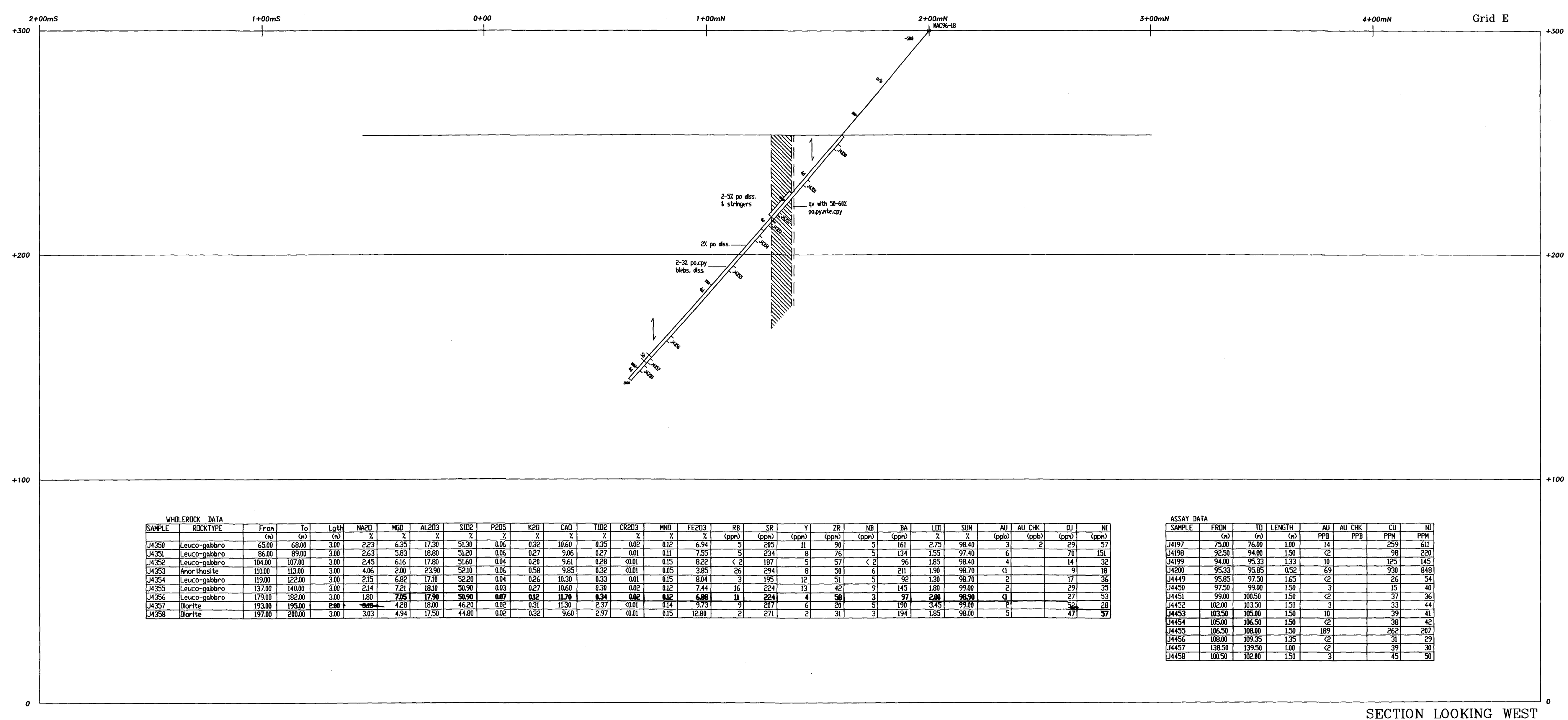
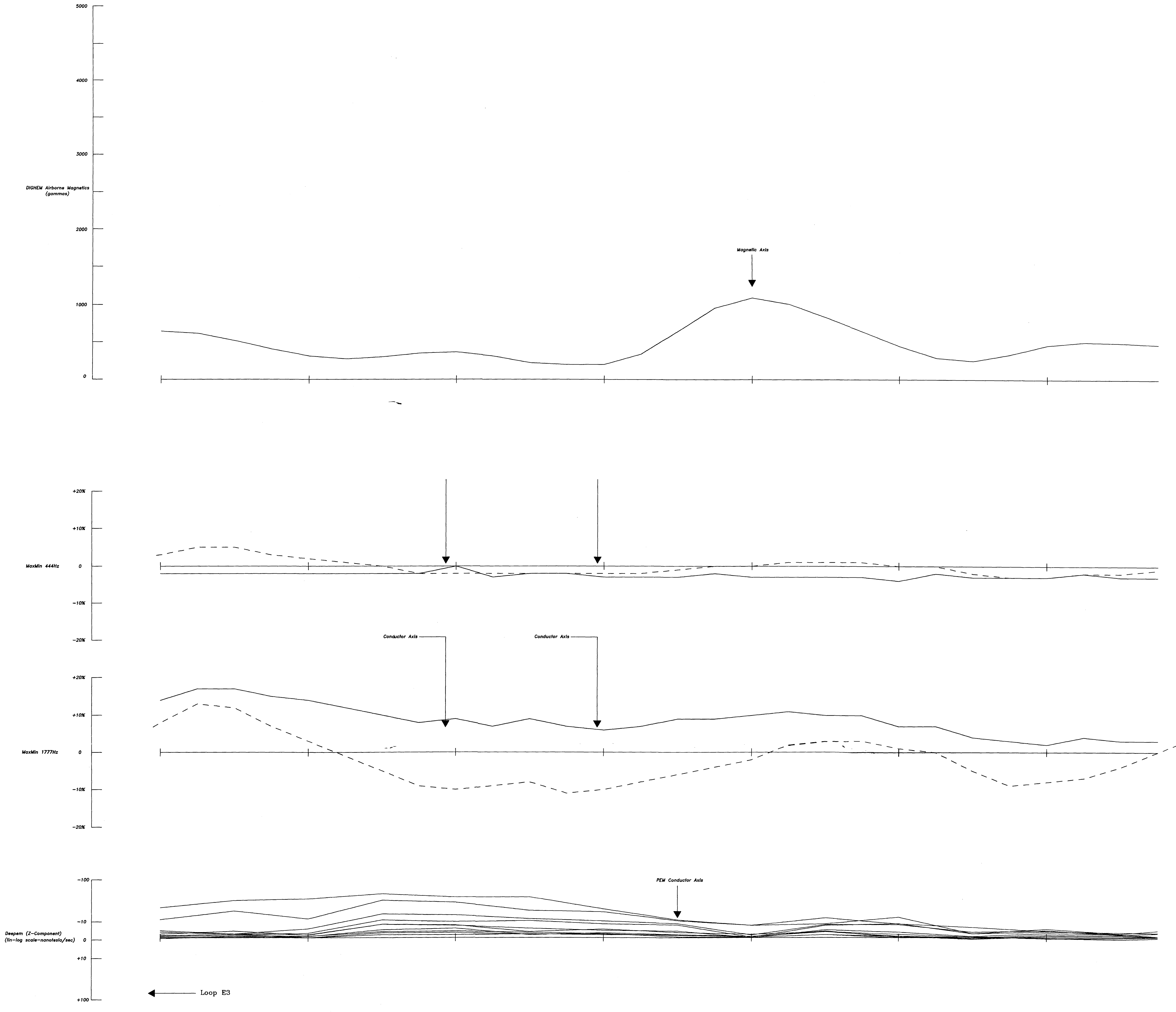
RECEIVED  
JUL 2 8 1997  
MONTCALM PROJECT

TECK EXPLORATION LTD.  
MONTCALM PROJECT  
DDH. SECTION MAC96-16  
LINE 7+00mE

DATE DRAWN: June 1996 SCALE: 1:2,000 DWG No: 7141  
DRAWN BY: BERNIE HOPKINS JOB No: 98424  
APPROVED BY: M. Houle N.T.S. 42 B/09





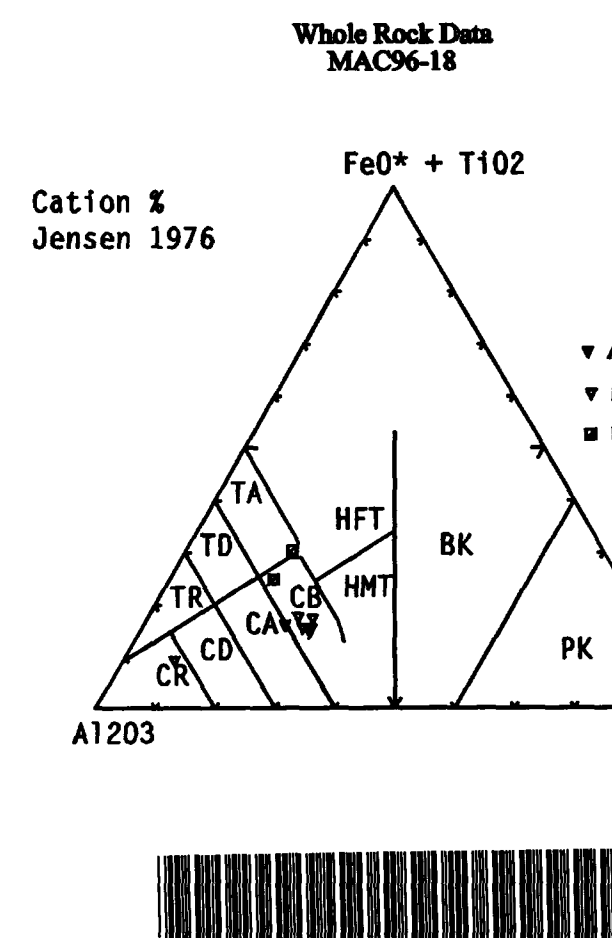


VHEDX DATA		ASSAY DATA								
SAMPLE	REX TYPE	From	To	FRM	TH	LENGTH	AU	AG	CU	NI
J4356	leuco-gabbro	62.00	68.00	340	2.22	6.35	17.30	0.36	0.32	0.60
J4357	leuco-gabbro	66.00	69.00	340	2.22	6.35	17.30	0.36	0.32	0.60
J4358	leuco-gabbro	68.00	71.00	340	2.22	6.35	17.30	0.36	0.32	0.60
J4359	leuco-gabbro	71.00	74.00	340	2.22	6.35	17.30	0.36	0.32	0.60
J4360	leuco-gabbro	74.00	77.00	340	2.22	6.35	17.30	0.36	0.32	0.60
J4361	leuco-gabbro	77.00	80.00	340	2.22	6.35	17.30	0.36	0.32	0.60
J4362	leuco-gabbro	80.00	83.00	340	2.22	6.35	17.30	0.36	0.32	0.60
J4363	leuco-gabbro	83.00	86.00	340	2.22	6.35	17.30	0.36	0.32	0.60
J4364	leuco-gabbro	86.00	89.00	340	2.22	6.35	17.30	0.36	0.32	0.60
J4365	leuco-gabbro	89.00	92.00	340	2.22	6.35	17.30	0.36	0.32	0.60
J4366	leuco-gabbro	92.00	95.00	340	2.22	6.35	17.30	0.36	0.32	0.60
J4367	horite	19.00	19.00	340	2.22	6.35	17.30	0.36	0.32	0.60
J4368	horite	19.00	19.00	340	2.22	6.35	17.30	0.36	0.32	0.60

- 7 Late Mafic Intrusive Rocks
  - a. equigranular diabase
  - b. porphyritic diabase
- 6 Intermediate to Felsic Intrusive Rock
  - a. fine grained aphanitic felsic dykes
  - b. quartz-feldspar-porphyr dykes
  - c. tonalite-trochilomitic
  - d. granite to granodiorite
  - e. syenite
- 5 Mafic Intrusive Rocks
  - a. fine grained basaltic dykes (feeders of volcanics)
  - b. diorite to quartz gabbro
  - c. lamprophyre
- 4 Gabbroic Rocks
  - a. peridotite (olivine) pyroxene with Mt-Serp-Carb-Talc
  - b. pyroxenite (pyroxene) olivine and plagioclase (<10%)
  - c. gabbro (pyroxene-plagioclase-hornblende with plag 10-35%)
  - d. leuco-gabbro (pyroxene-plagioclase-hornblende with plag 35-60%)
  - e. anorthositic (>60% plagioclase)
  - f. gabbroic dykes (equigranular cross-cutting)
  - g. porphyritic gabbro dykes (plagioclase-pyroxene phyric cross-cutting)
  - h. glomerophyritic dykes (plagioclase aggregates in fine grained gabbro matrix)

- 3 Sedimentary Rocks
  - a. argillite/sandstone
  - b. greywacke
  - c. siltstone
  - d. banded iron formation - Mt-chert bearing
  - e. sulphide iron formation - py-po bearing
- 2 Felsic Volcanic Rocks
  - a. massive flows
  - b. ash tuff
  - c. lapilli tuff
  - d. breccia tuff
  - e. quartz-sericite schist
- 1 Mafic to Intermediate Volcanic Rocks
  - a. massive flows
  - b. pillowed flows
  - c. amygdaloidal flows
  - d. amphibolitized
  - e. schist
  - f. variolitic flows

- Mineralogical/Alteration Names
  - alb albite
  - amph amphibole
  - anp arenopyrite
  - bio biotite
  - cp chlorite
  - ep epidote
  - gab graphite
  - gnt garnet
  - hnt hornblende
  - hdb hornblende
  - ilc ilmenite
  - mle magnetite
  - py pyrite
  - ser serpentine
  - sil sillite
  - carb carbonatized
  - spg sphalerite
  - tal talc
  - salp sulphides



2.175.24

REC'D JUL 3 1996

TECK EXPLORATION LTD.

MONTCALM PROJECT

DDH SECTION MAC96-18

LINE 14+00mW

DATE DRAWN: June 1996 SCALE: 1:1 000 DWG No: 7143

DRAWN By: Bernice Hopkins JOB No: 98424

APPROVED By: Maurice Houle N.T.S. 42 B/09