COMII

010

Exploration

Eastern District

COMINCO

REPORT OF WORK

GIB PROPERTY

GUIBORD AND MICHAUD TWPS., ONTARIO

PERIOD AUGUST 1977 - DECEMBER 1977

April 28, 1978

W. M. Little

1. LOCATION, ACCESS, HISTORY

The property is located in Guibord and Michaud Townships, Larder Lake Mining Division, Ontario, about 45 miles east of Timmins and 10 miles east of Matheson.

Highway #101 crosses the northern edge of the property, and a bush road along the eastern boundary provides additional access.

The main part of the property (134 claims) was staked by Cominco in August and September 1976. A 32 hole "overburden drill" program was carried out in September 1976, for which a Report of Work was submitted on October 21, 1977. The present report covers the drilling of 41 additional "overburden drill" holes, in the periods August-September and November-December 1977. Eight additional claims were staked in 1977.

2. PROPERTY

The property consists of 142 claims, owned 100% by Cominco Ltd., Suite 1700, 120 Adelaide St. W., Toronto, Ontario, M5H 1T1.

Assessment credits from work covered by the present report are to be applied to 106 claims, in Guibord and Michaud ownerships, Ontario, with numbers as follows:

L 475766-785; 797-806 inclusive

L 476814-823 inclusive

L 477208-209; 212; 220-226; 228-229; 232-233; 235-252; 259-260; 312-329; 332-336; 379 inclusive

L 496710-717 inclusive

Overburden drilling was carried out on the following claims:

L 475775; 777-782 inclusive

L 477222; 225; 232; 238-239; 242

WORK CARRIED OUT

A cost breakdown is provided.

The overburden drilling was carried out under contract by Bradley Bros. Limited, P. O. Box 367, Noranda, P.Q.

Cominco field staff consisted of: V. V. Radovanovic (geologist), J. Moore (sampler), August 22 - September 13, 1977, and A. Samis (geologist), C. Lorenzini (sampler) November 22 - December 3, 1977.

The same procedures described in the October 21, 1977 Report of Work were used with respect to the drilling, sampling and analytical work (which was carried out at the same laboratories).

4. GEOLOGY

Logs of the overburden drill holes are given in Table I, and the bedrock information is incorporated in the attached 1"=1000' geological map.

The identification of bedrock cuttings was based on binocular microscope work (by the writer) and from whole-rock data are listed in Table II, which for comparison includes the results of the 1976 holes (Nos. 1-32) in addition to the 1977 holes(Nos. 33-73) which the present report deals with.

The descriptions of rock types given in the previous report are still applicable with one notable exception - rocks previously identified as dacite and now thought to be greywacke in almost all cases.

The trace Au data from bedrock samples, and from the "heavy mineral" and "silt" cuts of the based overburden are listed in Table III, and anomalous areas are outlined on the geological map.

5. WRITER'S QUALIFICATIONS

The writer is a registed Professional Engineer (Ont.) and holds B.A.Sc. (1949), M.A.Sc. (1950) and PhD (1957) degrees, in economic geology for the University of Toronto. He has been employed as a mine geologist and in mining exploration since 1954.

He is familar with the work described in the above report, having initiated, planned and directly supervised the project, having visited the property during the drilling, and having personally compiled the results.

Submitted by: W. M. Little P.Eng.

W. M. Little
Senior Geologist

New Qualifications

2.2652

Cominco Ltd.

Statement of Expenditures

Gib Group (Note 1)

During the Period

August 1, 1977 to December 31, 1977

Geology	$ 13,648
Geochemistry	3,440
Overburden drilling	44,298
Administrative services	6,139
	$ 67,525

Note 1 - 106 Mining Claims in Guibord and Michaud Townships, Larder Lake Mining Division, Ontario:
Nos.: L-475766-785, 797-806; L-476814-823; L-477208, 209, 212; L-477220-225, 228-229, 232-233, 235-252, 260; 226, 259; L-477312-329, 332-336, 379; L-496710-717, inclusive in all cases.

R. Craig
Vancouver Office
March 28, 1978

Certified Correct

R. L. Woods
Supervisor, Exploration
& Foreign Accounting

$67,525.00 ÷ 15 = 4,501.6 days.

TABLE I

OVERBURDEN DRILL HOLES, 1977

OBH G-77-33 — Claim L 477222, August 22

0 - 20'	-	Silty clay and fine sand
20 - 50	-	Clay, minor silty sand
50 - 66	-	Fine sand, silt
66 - 115	-	Gravel with till bands
115 - 125	-	Till and gravel
125 - 130	-	Bedrock - Basic Syenite
130	-	End of Hole

G-77-34 — Claim L 477222, August 22-23

0 - 20'	-	Fine (silty) sand
20 - 60	-	Fine sand and silty clay
60 - 70	-	Silt, minor clay
70 - 106	-	Gravel
106 - 120	-	Till and gravel
120 - 140	-	Gravel
140 - 144	-	Bedrock - Basic Syenite
144	-	End of Hole

G-77-35 — Claim L 477222, August 23

0 - 50'	-	Fine sand, minor clay
50 - 80	-	Silty clay and fine silty sand
80 - 108	-	Gravel; 100-108' - no return
108 - 112	-	Boulder? pegmatite and syenite
112 - 131	-	Gravel, some till bands
131 - 136	-	Bedrock - Basic Syenite
136	-	End of Hole

G-77-36 — Claim L 477222, August 23

0 - 15'	-	Fine sand
15 - 40	-	Silty clay and fine sand
40 - 75	-	Silty sand, minor silty clay
75 - 115	-	Gravel
115 - 121	-	Bedrock - Basic Syenite
121	-	End of Hole

G-77-37 — Claim L 477225, August 24

0 - 20'	-	Fine sand, minor clay
20 - 30	-	Silty sand and silty clay
30 - 75	-	Silty sand, minor clay
75 - 84.5	-	Gravel
84.5 - 89	-	Bedrock - Basalt
89	-	End of Hole

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OBH G-77-38 — Claim L 475777, August 24

0 - 4'	-	Organics
4 - 25	-	Fine sand
25 - 33	-	Gravel; 28-30' - boulder (andesite/basalt)
33 - 37	-	Till and gravel
37 - 63	-	Gravel
63 - 90	-	Till, minor gravel
90 - 105	-	Gravel, minor till bands
105 - 123	-	Till, local gravel bands
123 - 128	-	Bedrock - Basalt
128	-	End of hole

G-77-39 — Claim L 475777, August 25

0 - 27'	-	Fine sand (silty)
27 - 60	-	Gravel with till bands
60 - 68	-	No return
68 - 85	-	Till, minor gravel
85 - 90	-	Gravel
90 - 109	-	Till
109 - 115	-	Bedrock - Acid dike
115	-	End of hole

G-77-40 — Claim L 475777, August 25-26

0 - 3'	-	Organics
3 - 25	-	Fine sand, minor clay
25 - 40	-	Gravel and till
40 - 46	-	No return
46 - 60	-	Gravel; 46-49' - boulder (andesite/basalt)
60 - 69	-	No return
69 - 82	-	Gravel, local till bands
82 - 98.5	-	Till, local gravel bands
98.5 - 108	-	Gravel; 98.5 - 102' - boulder (andesite)
108 - 119	-	Till, gravel
119 - 125	-	Bedrock - Greywacke
125	-	End of hole

G-77-41 — Claim L 475777, August 26

0 - 60'	-	Fine sand
60 - 75	-	Gravel, local till bands
75 - 100	-	Till and gravel
100 - 114	-	Silty sand (very fine)
114 - 141	-	Gravel
141 - 146	-	Bedrock - Greywacke
146	-	End of hole

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OBH G-77-42 — Claim L 475780, August 26-27

0 - 50'	-	Fine sand with occasional silty clay layers
50 - 70	-	Gravel
70 - 80	-	Till and gravel
80 - 92	-	Till
92 - 135.5	-	Gravel with till bands 96-99', 129-135'
135.5 - 140	-	Bedrock - acid dike
140	-	End of hole

G-77-43 — Claim L 477238, August 27,29

0 - 20'	-	Fine sand and silty clay
20 - 45	-	Silty sand, minor clay
45 - 98	-	Gravel with till bands 79-85', 92'95'
98 - 103	-	Bedrock - Feldspathized Greywacke
103	-	End of hole

G-77-44 — Claim L 477238, August 29

0 - 40'	-	Fine sand, minor silty clay
40 - 70	-	Gravel
70 - 104	-	Till and gravel; 101-104' - boulder (basalt)
104 - 112	-	Till
112 - 115	-	Gravel and till
115 - 120	-	Bedrock - Basalt
120	-	End of hole

G-77-45 — Claim L 477239, August 29-30

0 - 5'	-	Organics
5 - 38	-	Fine sand, minor clay
38 - 85	-	Gravel and local till bands
85 - 97	-	Till, minor gravel
97 - 157	-	Gravel
157	-	End of hole - bits lost down hole

G-77-45A (25' south of G-77-45) August 31 - September 1

0 - 70'	-	No return (pump not working)
70 - 185	-	Gravel with local till bands. Many boulders from 112'. 168.5-172.5' - boulder (basalt)
185 - 190	-	Bedrock - Greywacke
190	-	End of hole

G-77-46 — Claim L 477239, September 1-2

0 - 40'	-	Silty sand, very fine
40 - 149	-	Gravel, local till bands. Boulders from 109.5'
149 - 153	-	Bedrock - Greywacke
153	-	End of hole

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OBH G-77-47 — Claim L 477239, September 2

0 - 45'	-	Fine sand and silty clay
45 - 100	-	Gravel
100 - 106	-	Till, gravel
106 - 143	-	Coarse gravel and small boulders
143 - 148	-	Bedrock - Andesite
148	-	End of hole

G-77-48 — Claim L 477242, September 2,6

0 - 55'	-	Fine sand and sticky clay
55 - 110	-	Gravel, with thin till bands and numerous small boulders
110 - 122	-	Till and gravel
122 - 130.5	-	Gravel with small boulders
130.5 - 135	-	Bedrock - Andesite
135	-	End of hole

G-77-49 — Claim L 477242, September 6

0 - 30'	-	Fine sand and sticky clay
30 - 54	-	Fine sand, minor clay
54 - 131	-	Gravel
131 - 135	-	Bedrock - Andesite (Syenite vein at 134')
135	-	End of hole

G-77-50 — Claim L 477242, September 6-7

0 - 30'	-	Fine sand and sticky clay
30 - 50	-	Fine sand, minor silty clay
50 - 88.5	-	Gravel
88.5 - 93	-	Bedrock - Andesite, with 5-10% finely disseminated pyrite
93	-	End of hole

G-77-51 — Claim L 477232, September 7

0 - 88'	-	Fine sand, minor silty clay (clay balls)
88 - 128	-	Gravel with numerous small boulders 103.5 - 106' - boulder (rhyolite?)
128	-	End of hole

G-77-51A (20' north of G-77-51) September 7-8

0 - 88'	-	Fine sand, local clay balls
88 - 125	-	Gravel and small boulders
125 - 130	-	Bedrock - acid dike

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OBH G-77-52 — Claim L 477232, September 8

0 - 93'	-	Fine sand, a few silty clay balls near bottom
93 - 99.5	-	Gravel
99.5 - 105	-	Bedrock - Greywacke
105	-	End of Hole

G-77-53 — Claim L 477232, September 8

0 - 81'	-	Fine sand
81 - 102	-	Gravel
102 - 143	-	Till
143 - 145	-	Gravel and small boulders
145 - 150	-	Bedrock - basalt , with 2-3% disseminated pyrite
150	-	End of hole

G-77-54 — Claim L 475777, September 9

0 - 36'	-	Very fine sand
36 - 67	-	Gravel with local till layers
67 - 83	-	Till, minor gravel
83 - 88	-	Bedrock - Feldspathized Basalt
88	-	End of hole

G-77-55 — Claim L 475781, September 9

0 - 36'	-	Very fine sand
36 - 90	-	Gravel with till bands
90 - 103	-	Till
103 - 107	-	Gravel with till bands
107 - 112	-	Bedrock - Basalt, 2-3% pyrite
112	-	End of hole

G-77-56 — Claim L 475780, September 10

0 - 30'	-	Fine sand and sticky clay
30 - 38	-	Gravel
38 - 52	-	Till, minor gravel
52 - 69.5	-	Gravel
69.5 - 74	-	Bedrock - Basalt trace pyrite
74	-	End of hole

G-77-57 — Claim L 475777, September 10

0 - 34'	-	Fine sand
34 - 63	-	Gravel, occasional till bands
63 - 81	-	Till with small boulders
81 - 85	-	Bedrock - Feldspathized Basalt
85	-	End of hole

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OBH G-77-58 — Claim L 475777, September 12

0 - 35'	-	Fine sand with sticky clay layers
35 - 79.5	-	Gravel, 37-39' - boulder (diabase)
79.5 - 90	-	Till, minor gravel
90 - 131	-	Gravel; 126-128.5 - boulder (intermediate tuff)
131 - 136	-	Bedrock - Feldspathized Basalt
136	-	End of hole

G-77-59 — Claim L 475780, September 12

0 - 39'	-	Fine sand and silty clay
39 - 75	-	Gravel, thin till bands
75 - 94	-	Till, minor gravel
94 - 102	-	Bedrock - Basalt, 3-5% pyrite
102	-	End of hole

G-77-60 — Claim 475778, November 23

0 - 78	-	Clay, fine sand
78 - 95	-	Gravel
95 - 100	-	Sandy gravel
100 - 106	-	No return, bit lost
106		End of hole

G-77-60A — Claim 475778, November 23/24 (10'W of 60)

0 - 40	-	Clay
40 - 76	-	Sand
76 - 110	-	Gravel
110 - 144	-	Clay till
144 - 149	-	Bedrock - Greywacke, minor chlorite and pyrrhotite
149		End of hole

G-77-61 — Claim 475775, November 24

0 - 66	-	Clay
66 - 70.5	-	Gravel
70.5 - 76	-	Bedrock - Argillite, 1-2 % diss. py.
76		End of hole

G-77-62 — Claim 475775, November 24-25

0 - 40	-	Clay
40 - 50	-	Sand
50 - 53.5	-	Gravel
53.5 - 58.5	-	Bedrock - Diabase
58.5		End of hole

OBH G-77-63 — Claim 475775, November 25

0 - 64	-	Clay, sand
64 - 77	-	Gravel
77 - 85	-	Clay till
85 - 94	-	Gravel
94 - 99	-	Bedrock - Basic volcanics, 1-2% pyrite
99		End of hole

G-77-64 — Claim 475775, November 25-26

0 - 61	-	Clay, sand
61 - 62	-	Gravel
62 - 67	-	Bedrock - Diabase, medium grained minor sulphides
67		End of hole

G-77-65 — Claim 475778, November 26

0 - 71	-	Clay, sand
71 - 82	-	Gravel
82 - 115	-	Clay, till
116 - 121	-	Bedrock - Greywacke
121		End of hole

G-77-66 — Claim 475778, November 28-29

0 - 50	-	Clay
50 - 80	-	Fine sand
80 - 90	-	Gravel
96 - 124	-	Clay, Till
124 - 127	-	Coarse gravel
127 - 128	-	Till
128 - 133	-	Bedrock - greywacke
133		End of hole

G-77-67 — Claim 475778, November 29

0 - 46	-	Clay
46 - 76	-	Fine sand
76 - 94	-	Gravel
94 - 96	-	Till
96 - 99	-	Basic volcanic boulder
99 - 112	-	Clay, till
112 - 120	-	Gravelly till
120 - 146	-	Clay, till
146 - 151	-	Bedrock - Argillite
151		End of hole

G-77-68 — Claim 475779, November 29-30

0 - 50	-	Clay
50 - 88	-	Fine sand
88 - 91	-	Gravel
91 - 98	-	Clay, till
98 - 114	-	Coarse gravel
114 - 120	-	Gravel till
120 - 131	-	Clay, till
131 - 136	-	Bedrock - Argillite, minor (-.5%) py.
136		End of hole

OBH G-77-69 — Claim 475779, November 30

0 - 50	-	Clay
50 - 101	-	Fine sand
101 - 116	-	Gravel
116 - 136	-	Sand
136 - 137	-	Till
137 - 141	-	Bedrock - Greywacke
141		End of hole

G-77-70 — Claim 475779, November 30, December 1

0 - 40	-	Clay
40 - 105	-	Fine sand
105 - 121	-	Gravel
121 - 146	-	Clay, till
146 - 168	-	Sand
168 - 172	-	Gravel
172 - 178	-	Bedrock - Basalt (basic dike?)
178		End of hole

G-77-71 — Claim 475782, December 1

0 - 44	-	Clay
44 - 106	-	Fine sand
106 - 108	-	Clay, till
108 - 119	-	Gravelly till
119 - 124	-	Bedrock - Greywacke
124		End of hole

G-77-72 — Claim 475799, December 1-2

0 - 40	-	Clay
40 - 92	-	Fine sand
92 - 117	-	Gravel
117 - 138	-	Clay, till
138 - 157	-	Sand
157 - 160	-	Diabase, (possible boulder), bit lost
160		End of hole

G-77-73 — Claim 475798, December 2

0 - 25	-	Clay
25 - 58	-	Fine sand
58 - 82	-	Gravel
82 - 122	-	Clay till
122 - 155	-	Sandy gravel
155 - 159	-	Bedrock - Argillite
159		End of hole

BEDROCK GEOCHEMISTRY

BASALT

	Ultramafic	Unaltered Basalt (<2.0% L.O.1)							Altered, Unmineralized Basalt						Altered, Mineralized Basalt			
	76-11	76-1	76-9	76-12	76-18	76-20	77-37	77-53	76-6	76-13	76-24	77-44	77-55	77-70	76-29	77-56	77-59	77-63
SiO_2	41.97	56.05	53.14	58.89	55.51	52.15	49.52	55.04	54.10	57.07	52.07	43.96	55.13	55.32	48.36	47.88	47.01	51.55
Al_2O_3	5.29	13.81	14.52	12.76	13.02	14.50	14.52	14.62	14.78	12.62	14.19	13.18	13.16	14.32	13.14	13.96	13.20	13.83
Fe_2O_3	4.89	3.44	3.25	2.80	1.99	1.73	5.90	4.96	2.26	3.25	1.70	7.48	3.44	4.04	2.56	4.76	4.76	3.70
FeO	5.16	8.31	7.60	7.88	9.75	7.17	8.52	2.89	4.59	2.29	7.81	4.60	4.85	4.03	4.87	4.83	7.60	3.02
MgO	22.28	4.84	5.32	3.72	4.97	7.47	5.87	6.02	4.64	5.19	5.76	6.17	7.82	6.09	6.48	4.84	7.02	4.07
CaO	9.27	7.92	8.52	6.98	9.04	8.30	7.92	10.00	7.52	6.43	6.07	11.46	8.92	3.87	9.32	11.06	10.02	6.29
Na_2O	.20	2.55	2.44	2.72	3.61	3.30	3.17	4.15	5.03	5.45	2.40	4.24	3.25	3.10	3.85	2.97	1.49	2.86
K_2O	.06	1.45	1.75	1.42	1.10	1.35	2.02	.67	1.96	2.51	1.15	1.89	2.79	2.91	2.62	4.21	2.98	2.38
MnO	.17	.17	.18	.18	.21	.18	.13	.14	.13	.09	.14	.15	.09	.08	.19	.27	.26	.07
TiO_2	.34	1.14	.95	1.17	1.27	.65	1.47	1.32	.67	.46	.84	1.41	.64	.76	.75	1.05	1.28	.56
P_2O_5	.03	.10	.09	.12	.13	.06	.21	.15	.45	.24	.06	1.03	.44	.64	.39	.65	.99	.30
H_2O+	2.62	1.04	1.16	1.19	1.33	1.07	1.15	.34	1.39	.28	3.49	1.70	.71	1.70	.39	1.22	1.43	1.06
CO_2	6.93	.12	.26	.47	.05	.80	1.19	.08	3.31	3.79	4.28	2.63	2.14	.25	5.98	3.58	1.62	4.28
S	.06	.05	.08	.12	.11	.13	.11	.56	.20	.57	.20	.13	.23	.02	.28	.57	.93	2.60
As_2O_3*	L5	L5	L5	L5	L5	5	5	5	L5	5	L5	2	5	5	5	10	80	150
Au**	L5	n.d	L5	L5	L5	L5	n.d	n.d	L5	L5	L5	n.d	L5	10	37	762	238	462
(LOI)	11.40	1.07	1.75	1.41	1.37	2.11	1.51	.77	4.72	3.89	7.48	5.35	3.06	3.69	7.14	4.40	3.04	4.12
TOTAL	100.36	101.00	99.26	100.22	99.31	99.32	101.70	100.94	100.04	100.21	100.78	100.03	103.61	97.13	99.63	101.85	100.59	96.57

* ppm
** ppb

WML:sj

	BASALT(cont'd)							ARGILLITE						
	Feldspathized Basalt							Unmineralized		Mineralized				
	76-14	76-26	76-27	76-32	77-54	77-57	77-58	77-67	77-73	76-21	76-23	76-38	77-61	77-68
SiO_2	54.53	58.59	52.81	50.19	51.43	53.13	53.00	59.00	57.99	63.26	62.04	64.59	61.84	56.20
Al_2O_3	13.53	16.29	14.82	14.08	14.93	16.12	15.06	17.65	18.31	16.67	17.48	18.36	17.10	15.66
Fe_2O_3	5.02	1.78	3.51	7.81	6.04	2.32	6.57	1.63	4.40	3.01	1.69	1.96	1.00	1.92
FeO	2.44	3.30	3.44	2.44	4.07	5.88	4.15	4.46	2.73	2.44	4.23	1.87	4.31	3.59
MgO	4.27	3.30	4.58	3.76	4.47	4.86	4.84	3.58	3.42	2.90	2.60	1.60	3.19	3.17
CaO	7.85	3.22	7.51	10.34	7.52	7.88	6.75	1.24	1.11	1.45	2.04	1.07	1.35	2.68
Na_2O	3.51	1.73	2.85	3.12	3.77	4.01	2.60	2.24	1.70	2.02	2.91	1.91	2.40	1.11
K_2O	5.61	7.54	5.64	3.53	3.88	3.44	3.88	3.63	3.36	3.05	2.73	3.50	3.41	5.08
MnO	.15	.10	.14	.25	.14	.11	.12	.05	.05	.07	.09	.02	.04	.06
TiO_2	.86	.83	.85	1.40	1.25	1.11	1.39	.67	.71	.61	.73	.61	.64	.64
P_2O_5	.61	.11	.67	.55	.33	.76	.54	.20	.23	.12	.09	.09	.21	.23
H_2O+	.26	1.46	.77	1.44	.43	.90	.70	2.92	3.52	2.46	2.24	2.30	2.07	.68
CO_2	1.01	1.21	2.52	.27	1.92	.27	.05	.20	.25	.18	.53	.01	.10	4.80
S	.13	.04	.08	.07	.49	.21	.02	.02	.01	.01	.14	.02	.14	.01
As_2O_3*	5	L5	L5	L5	5	5	5	15	20	60	15	20	115	55
Au**	L5	L5	5	L5	10	L5	L5	L5	L5	59	11	100	13	8
(LOI)	1.44	2.74	3.02	2.26	2.33	1.22	1.14	3.34	5.40	4.35	2.78	3.47	2.79	7.43
TOTAL	99.78	100.72	100.19	98.93	100.67	101.00	99.67	97.49	97.79	98.25	99.54	97.91	98.91	96.83

* ppm
** ppb

WML:si

GREYWACKE

	Unaltered, Unmineralized							"Altered", Unmineralized					"Altered", Mineralized					Feldspathized
	76-7	76-10	76-17	76-22	77-40	77-48	77-60	76-8	77-41	77-46	77-65	77-69	77-45	77-47	77-50	77-66	77-71	77-43
SiO_2	63.55	64.76	69.73	70.70	64.67	64.07	61.79	68.10	67.49	62.76	64.54	63.72	65.19	65.16	63.94	64.77	64.73	56.01
Al_2O_3	15.33	16.01	14.01	12.52	15.08	15.33	16.47	16.11	15.10	16.50	16.99	14.94	15.83	15.48	15.08	15.28	14.06	20.97
Fe_2O_3	2.05	1.66	.96	1.93	1.88	1.06	1.13	2.79	.97	1.61	3.08	1.25	2.36	1.95	1.63	.21	.26	2.34
FeO	2.72	2.72	3.15	1.86	4.30	3.99	3.88	1.43	3.86	3.91	2.16	4.03	3.02	3.41	3.23	3.88	4.74	1.23
MgO	3.03	2.21	2.16	2.36	3.10	3.22	3.49	1.52	2.03	3.04	2.24	2.96	2.53	2.61	2.60	2.01	2.58	.99
CaO	4.88	2.44	2.40	3.64	2.03	2.47	3.47	1.90	2.10	1.87	.80	1.76	.67	1.82	2.90	3.95	2.57	4.39
Na_2O	5.92	4.49	3.26	3.42	4.10	3.93	3.84	3.37	2.73	3.26	3.71	3.89	5.07	4.02	4.56	3.57	2.59	.72
K_2O	1.30	2.85	1.66	1.75	1.49	1.80	2.03	2.28	1.78	3.06	2.11	2.98	1.25	1.92	2.17	.99	2.07	12.04
MnO	.07	.06	.06	.07	.04	.04	.06	.06	.04	.03	.04	.04	.03	.03	.04	.05	.06	.09
TiO_2	.57	.48	.54	.43	.67	.58	.57	.71	.65	.61	.61	.57	.64	.60	.55	.61	.64	.57
P_2O_5	.09	.07	.03	.07	.15	.12	.24	.08	.05	.10	.19	.20	.10	.09	.12	.18	.15	.09
H_2O+	.83	.71	1.17	1.07	1.47	1.01	1.27	1.58	1.57	1.46	1.36	2.03	1.43	1.64	.52	1.46	2.05	.58
CO_2	.78	.28	.36	.58	.20	.13	.05	.25	.70	.78	.04	.80	.08	.01	1.23	.74	1.79	.47
S	.48	.21	.09	.08	.08	.19	.02	.01	1.15	.05	.04	.15	.02	.01	.56	.37	.01	.01
As_2O_3	5	L5	L5	L5	.25	20	20	5	65	15	10	55	15	15	10	40	15	10
Au	L5	L5	L5	L5	n.d	n.d	L5	L5	L5	L5	5	L5	35	41	15	68	39	n.d
(LOI)	1.59	1.44	1.51	1.40	1.56	1.25	1.65	2.86	2.53	2.95	3.51	1.99	2.32	2.12	2.17	1.35	3.77	1.45
TOTAL	101.60	98.71	99.78	100.89	99.26	97.94	98.31	100.11	100.22	99.04	97.91	99.32	98.22	98.75	99.13	98.07	98.30	100.50

WML:sj

	Syenite						Basic Syenite							
	76-2	76-3	76-5	76-16	76-30	76-31	76-4	76-15	76-19	76-25	77-33	77-34	77-35	77-36
SiO_2	65.98	68.36	63.07	63.56	58.04	61.81	55.01	55.06	54.72	54.25	51.85	53.21	53.39	50.73
Al_2O_3	14.82	13.72	16.46	18.28	16.60	17.37	18.36	17.14	15.94	17.18	17.74	16.48	17.25	15.72
Fe_2O_3	1.81	1.03	1.95	1.75	3.30	3.17	4.07	3.29	4.09	4.23	3.95	3.38	5.45	4.17
FeO	1.58	1.72	1.43	.57	2.29	1.15	1.43	3.01	2.72	1.72	1.85	2.79	1.55	3.52
MgO	1.31	1.26	1.39	.65	1.82	1.19	1.94	2.07	2.32	1.93	2.22	2.65	2.63	2.85
CaO	3.46	4.05	3.48	2.44	3.93	2.62	5.05	4.16	5.52	5.59	6.77	6.36	6.25	7.43
Na_2O	3.41	3.66	4.43	5.59	5.04	5.28	3.42	5.16	4.95	3.68	4.11	4.09	4.04	5.18
K_2O	4.92	4.14	5.74	5.38	4.70	4.82	7.34	5.78	4.38	6.18	6.26	6.38	6.59	4.62
MnO	.06	.06	.09	.05	.13	.07	.13	.16	.17	.15	.09	.09	.10	.12
TiO_2	.59	.37	.48	.32	.80	.47	.77	.90	.84	.86	.74	.76	.88	.92
P_2O_5	.10	.07	.14	.04	.25	.13	.25	.33	.34	.30	.31	.34	.43	.51
H_2O+	.36	.67	.33	.68	.49	.58	.91	.34	.56	.70	.91	.49	.52	.54
CO_2	1.73	2.00	1.90	.35	1.78	1.35	1.67	1.93	3.51	3.07	3.11	3.68	1.09	4.02
S	.18	.10	.16	.01	.11	.06	.07	.14	.39	.07	.18	.23	.12	.22
As_2O_3*	5	5	L5	L5	L5	L5	5	L5	5	5	10	5	10	5
Au**	L5	n.d	L5	L5	L5	L5	L5	5	28	L5	9	n.d	n.d	n.d
(LOI)	2.33	2.88	2.27	1.34	2.11	2.04	3.14	2.66	3.62	3.85	5.19	4.33	2.28	4.75
TOTAL	100.31	99.84	101.05	100.91	99.18	100.07	100.42	99.74	101.45	99.91	100.09	100.93	99.29	100.55

* ppm
** ppb

WML:sj

	Acid Dikes				Diabase		
	77-39	77-42	77-49	77-51	77-62	77-64	77-72
SiO_2	70.68	54.77	61.86	58.48	48.07	50.43	49.27
Al_2O_3	15.37	16.52	15.88	22.11	14.06	14.04	16.56
Fe_2O_3	1.22	2.33	1.35	2.75	3.23	3.69	2.37
FeO	.49	3.04	3.87	.77	11.93	10.21	7.48
MgO	.43	2.09	2.89	.82	5.91	5.49	8.75
CaO	1.67	6.22	2.06	1.16	7.08	8.40	7.76
Na_2O	4.54	5.70	4.44	5.54	3.10	2.62	1.67
K_2O	3.36	3.18	1.91	4.84	.68	1.77	1.09
MnO	.01	.07	.03	.02	.16	.19	.17
TiO_2	.20	.60	.58	.30	1.61	1.35	.31
P_2O_5	.08	.42	.10	.03	.26	.27	.15
H_2O+	.29	.78	1.34	.59	3.05	2.40	2.48
CO_2	1.54	3.59	.80	.36	.24	.17	.47
S	.50	1.12	.39	.02	.09	.30	.04
As_2O_3	35	40	15	-	10	5	35
Au	50	193	18	L5	L5	L5	L5
(LOI)	1.93	3.62	2.41	1.90	3.00	1.29	3.43
TOTAL	100.38	100.43	97.50	97.79	99.47	101.33	98.57

WML:sj

TABLE III

MINERALIZATION SUMMARY

1977 Overburden Drill Holes

Hole No. Footage	Bedrock Samples ppb Au	Overburden Samples	
		Heavy Mineral Fraction ppb Au	Silt Fraction ppb Au
G-77-33			
120-125		28	24
125-126	10		
126-128	10		
128-129	5		
G-77-34			
130-135		10	40
135-140		L10	16
140-142	n.d.		
142-143	n.d.		
143-144	n.d.		
G-77-35			
120-125		22, 10	136
125-131		12	20
131-133	n.d.		
133-134.5	n.d.		
134.5-136	n.d.		
G-77-36			
110-115		L10	10, 10
115-117	n.d.		
117-119	n.d.		
119-121	n.d.		
G-77-37			
80-85		L10	10
85-87	n.d.		
87-88	n.d.		
88-89	n.d.		
G-77-38			
110-115		20, 20	10
115-120		42	142
120-123		no sample	204
123-125	100		
125-126.5	145		
126.5-128	55		
G-77-39			
100-105		82	30
105-109		1560	36
109-111	70		
111-112.5	30		
112.5-114	35		
114-115	65		

Hole No. Footage	Bedrock Samples ppb Au	Overburden Samples Heavy Mineral Fraction ppb Au	Overburden Samples Silt Fraction ppb Au
G-77-40			
110-115		22, 2460	L10
115-119		42	10
119-121	n.d.		
121-123	n.d.		
123-125	n.d.		
G-77-41			
130-135		120	L10, L10
135-141		20	22
141-143	n.d.		
143-144.5	n.d.		
144.5-146	5		
G-77-42			
125-130		182	10
130-135.5		490	L10
135.5-137	200		
137-138.5	300		
138.5-140	80		
G-77-43			
90-95		52	L10
95-98		10	L10
98-100	n.d.		
100-101.5	n.d.		
101.5-103	n.d.		
G-77-44			
105-110		28	L10
110-115		10	22, 276
115-117	n.d.		
117-118.5	n.d.		
118.5-120	n.d.		
G-77-45A			
176-180		20	L10
180-185		42	16
185-187	30		
187-188.5	50		
188.5-190	25		
G-77-46			
140-145		36	L10
145-149		L10	L10
149-150.5	n.d.		
150.5-152	n.d.		
152-153	L5		

Hole No. Footage	Bedrock Samples ppb Au	Overburden Samples Heavy Mineral Fraction ppb Au	Silt Fraction ppb Au
G-77-47			
135-140		142	L10
140-143		32	L10
143-145	45		
145-146.5	45		
146.5-148	30		
G-77-48			
120-125		32	L10
125-130.5		12	10
130.5-132	n.d.		
132-133.5	n.d.		
133.5-135	n.d.		
G-77-49			
120-125		12, 10	10
125-131		10	L10
131-132.5	20		
132.5-134	20		
134-135	10		
G-77-50			
80-85		10	L10
85-88.5		16	10
88.5-90	n.d.		
90-91.5	20		
91.5-93	25		
G-77-51A			
115-120		38	10, 10
120-125		218	170
125-127	n.d.		
127-128.5	n.d.		
128.5-130	L5		
G-77-52			
93-95		2070	10
95-99.5		36	L10
99.5-101.5	n.d.		
101.5-103	n.d.		
103-105	n.d.		
G-77-53			
140-145		22	L10
145-147	n.d.		
147-148.5	n.d.		
148.5-150	n.d.		

Hole No. Footage	ppb Au	Overburden Samples Heavy Mineral Fraction ppb Au	Silt Fraction ppb Au
G-77-54			
75-80		L10	L10
80-83		20	L10
83-85	20		
85-86.5	n.d.		
86.5-88	5		
G-77-55			
100-105		L10, 10	L10
105-107		L10	100
107-109	L5		
109-110.5	5		
110.5-112	L5		
G-77-56			
60-65		10	16
65-69.5		940, 382	L10, L10
69.5-71	1950		
71-72.5	260		
72.5-74	75		
G-77-57			
75-80		L10	L10
80-81		12	L10
81-82.5	L5		
82.5-84	n.d.		
84-85	n.d.		
G-77-58			
126-130		340	36
130-131		12	L10
131-133	5		
133-134.5	n.d.		
134.5-136	n.d.		
G-77-59			
85-90		12	L10
90-94		38	L10
94-96	135		
96-98	600		
98-100	215		
100-102	n.d.		
G-77-60A			
140-144		L10	L10
144-146	L5		
146-148	L5		
148-149	L5		

Hole No. Footage	Samples ppb Au	Overburden Samples Heavy Mineral Fraction ppb Au	Silt Fraction ppb Au
G-77-61			
66-70		70	L10, L10
70-72	25		
72-74	10		
74-76	5		
G-77-62			
49-53		L10	L10
53-55	L5		
55-56	L5		
56-58	L5		
G-77-63			
90-94		120	10
94-96	760		
96-98	325		
98-99	140		
G-77-64			
62-64		20	L10
64-66	L5		
66-68	n.d.		
68-69	L5		
G-77-65			
111-116		10	L10
116-118	5		
118-120	L5		
120-121	10		
G-77-66			
124-128		30	L10
128-130	20		
130-132	125		
132-133	50		
G-77-67			
144-146		10	L10
146-148	L5		
148-150	L5		
150-151	L5		
G-77-68			
127-131		L10	L10
131-133	L5		
133-135	5		
135-136	25		

Hole No. Footage	Bedrock Samples ppb Au	Overburden Samples Heavy Mineral Fraction ppb Au	Overburden Samples Silt Fraction ppb Au
G-77-69			
132-137		L10	L10
137-139	L5		
139-141	L5		
G-77-70			
168-172		10	L10
172-174	15		
174-178	5		
G-77-71			
115-119		L10	L10
119-121	10		
121-123	15		
123-124	145		
G-77-72			
152-157		20	L10
157-159	L5		
159-160	L5		
G-77-73			
151-155		L10	10
155-157	L5		
157-159	L5		

n.d. - not detected. L - less than

LRB
Feb'78

MUNRO TWP.

HIGHWAY #101

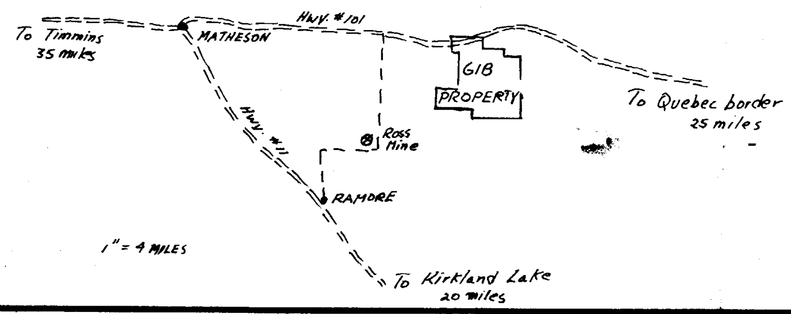
GUIBORD TWP.

MICHAUD TWP.

LEGEND

- 9 Diabase
- 2a / 2b Syenite, "basic" syenite
- 7a / 7b Granite, quartz feldspar porphyry
- 6 Diorite, gabbro
- 5 "Green carbonate" (altered ultramafic)
- 4 Ultramafic flows
- 3 Basic to intermediate volcanics
- 2 Dacite, rhyodacite
- 1 Greywacke, arkose, conglomerate

- Outcrop
- Diamond drill hole (pre Cominco)
- Cominco overburden drill hole
- Background Au
- Anamolous Au in bedrock
- " " in "heavy mineral" overburden fraction
- " " in "silt" overburden fraction
- Groups of holes with anomalous bedrock, "heavy mineral" or "silt" values.
- Au showing



200

M.M. Cathro P. Eng.

Drawn by: M.M.C. Traced by:

Revised by	Date	Revised by	Date

GIB PROPERTY

MATHESON AREA, ONT.

Scale: 1" = 1000' Date: AUGUST, 1977 Plate:

MOI - 117 - G.L.

FORM 210 6/66