



32D04SW0344 21 BOSTON

010

Diamond Drilling

Township OF BOSTON

Report NO: 01

Work performed by: DOMINION GULF

Claim NO	Hole NO	Footage	Date	Note
L 56812	52-5	255'	Nov/52	
	52-6	350'	Nov/52	

Notes:

PROPERTY Boston Twp. Leonard Marshall Option #2
Area #120

HOLE NUMBER 52-5
 SHEET NUMBER 1
 SECTION FROM TO

DIAMOND DRILL RECORD

GENERAL LOG

LOCATION: LAT. 10' W Line 90 W
 DEP. at 117+00S (Location #10)
 ELEVATION OF COLLAR
 DATUM
 DIRECTION AT START: BEARING N 80° W
 DIP - 45°

STARTED November 3, 1952.
 COMPLETED November 5, 1952.
 ULTIMATE DEPTH 255.0'
 PROPOSED DEPTH 250.0'

DEPTH FEET	FORMATION	SAMPLE NO	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
0.0-14.0	CASING				
14.0-32.9	IRON FORMATION				
32.9-33.5	BASIC DIKE				
33.5-41.4	IRON FORMATION				
41.4-42.7	BASIC DIKE				
42.7-48.1	IRON FORMATION				
48.1-55.4	ACID DIKE				
55.4-57.6	BASIC DIKE				
57.6-68.0	ACID DIKE				
68.0-85.0	ANDESITE				
85.0-91.0	ACID DIKE				
91.0-102.8	ANDESITE				
102.8-104.0	ACID DIKE				
104.0-115.7	AGGLOMERATE				
115.7-117.9	ACID DIKE				
117.9-150.3	AGGLOMERATE				
150.3-157.5	ACID DIKE				
157.5-158.3	AGGLOMERATE				
158.3-163.0	ACID DIKE				
163.0-166.0	AGGLOMERATE				
166.0-167.1	ACID DIKE				

NORTHERN MINER PRESS LIMITED TORONTO STOCK EXCHANGE BOI REV 9 44

DRILLED BY DeMorest Diamond Drilling

SIGNED H. D. McLeod

PROPERTY Boston Twp. Leonard Marshall Option #2
Area #120

DIAMOND DRILL RECORD

HOLE NUMBER 52-51

SHEET NUMBER 2

SECTION FROM TO

LOCATION: LAT.
DEP.
ELEVATION OF COLLAR
DATUM
DIRECTION AT START: BEARING
DIP

STARTED
COMPLETED
ULTIMATE DEPTH
PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$		
167.1-189.9	AGGLOMERATE						
189.9-190.7	ACID DIKE						
190.7-192.0	AGGLOMERATE						
192.0-192.6	ACID DIKE						
192.6-219.9	AGGLOMERATE						
219.9-220.5	GRANITE						
220.5-221.0	ACID DIKE						
221.0-228.0	GRANITE						
228.0-229.8	ANDESITE						
229.8-231.6	GRANITE						
231.6-252.0	ANDESITE						
252.0-252.4	BASIC DIKE						
252.4-253.0	ANDESITE						
253.0-253.5	BASIC DIKE						
253.5-255.0	ANDESITE						
255.0	END OF HOLE.						

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PROPERTY Boston Twp. Leonard Marshall Option #2

HOLE NUMBER 52-5

SHEET NUMBER 1

Area #120
DIAMOND DRILL RECORD

SECTION FROM TO

LOCATION: LAT. 10' W Line 90 W
DEP. at 117+00S (Location #10)

STARTED November 3, 1952.

ELEVATION OF COLLAR

COMPLETED November 5, 1952.

DATUM

ULTIMATE DEPTH 255.0'

DIRECTION AT START BEARING N 80° W
DIP - 45°

PROPOSED DEPTH 250.0'

DEPTH FEET	FORMATION	SAMPLE NO	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
0.0-14.0	CASING				
14.0-32.9	IRON FORMATION 14.0-22.9 - 30% magnetite - Black magnetite stringers with some green silicates in interbanded black quartz and medium blue quartz. The banding is irregular and contorted but where regular lies at 15° to the core. The magnetite stringers are contorted, twisted and lency, They also show considerable flowage. The hole is drilled along the banding giving quite wide sections of quartz and magnetite. The green silicate occurs as blebs and veinlets in and along the magnetite bands. Garnet is present in irregular blebs and veinlets. Some white carbonate in threads. Scattered brassy pyrite in cubes and rounded grains. 22.9-31.1 - 35% magnetite - Black magnetite and dark green silicate stringers in medium blue quartz. The banding regular at 30° to the core. The magnetite occurs in some individual bands up to 3/4" in thickness but generally is finely interbedded with the dark green silicates. The silicate occurs in stringers up to 5" in thickness and comprises about 35% of the section.				

PROPERTY Boston Twp. Leonard Marshall Option #2

HOLE NUMBER 52-5

SHEET NUMBER 2

Area #120
DIAMOND DRILL RECORD

SECTION FROM TO

LOCATION: LAT.
 DEP.
 ELEVATION OF COLLAR
 DATUM
 DIRECTION AT START: BEARING
 DIP

STARTED
 COMPLETED
 ULTIMATE DEPTH
 PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$		
	A bright green mineral is found in some stringers both along and cutting across the bedding. Pink garnet is scattered throughout in irregular blebs and stringers. White carbonate forms some narrow threads. Brassy pyrite is present in blebs and grains.						
31.1-32.9	30% magnetite - Black magnetite in light blue quartz. Some green silicates present. The banding is extremely contorted. Garnet and white carbonate is present.						
32.9-33.5	BASIC DIKE A fine-grained green diorite with scattered pegmatitic feldspar (pink) grains. The upper contact lies at 80° to the core the lower at 60°						
33.5-41.4	IRON FORMATION 35% magnetite - Black magnetite and silicate stringers in dark blue quartz. The banding is irregular and contorted generally lying along the core. The magnetite bands are widely spaced but quite wide on the average. They range up to a maximum of 2" in thickness. The silicate is bright green in color and generally occurs in thin stringers and blebs interbedded with the						

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PROPERTY Boston Twp. Leonard Marshall Option #2
Area #120

HOLE NUMBER 52-5

SHEET NUMBER 3

SECTION FROM TO

DIAMOND DRILL RECORD

LOCATION: LAT.
 DEP.
 ELEVATION OF COLLAR
 DATUM
 DIRECTION AT START: BEARING
 DIP

STARTED
 COMPLETED
 ULTIMATE DEPTH
 PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$		
	magnetite. Some of the wider silicate bands appear to be dike replacement along banding. Pink garnet is present as scattered irregular blebs and veinlets, some of the blebs being 2" in diameter. Some white carbonate veinlets and brassy pyrite.						
41.4-42.7	BASIC DIKE Core badly broken up. A fine grained green diorite. Some quartz inclusions. Contacts indefinite.						
42.7-48.1	IRON FORMATION 42.7-46.5 - 35% magnetite - Black magnetite and stringers in dark blue quartz. The banding is highly contorted and very irregular. The magnetite bands are narrow and lensy but numerous. Some show much flowage. The silicates are medium green in color and occur as interbands in the magnetite stringers and also as fine threads through many of the quartz stringers. Minor white carbonate is present in threads. Scattered pink garnet in small grains. 46.5-48.1 - Altered siliceous iron formation probably near the edge of the band. Largely greenish quartz with some green silicates and minor amounts of magnetite. Some pyrite.						

PROPERTY Boston Twp. Leonard Marshall Option #2
Area #120

DIAMOND DRILL RECORD

HOLE NUMBER 52-5
SHEET NUMBER 4
SECTION FROM TO

LOCATION: LAT.
DEP.
ELEVATION OF COLLAR
DATUM
DIRECTION AT START: BEARING
DIP

STARTED
COMPLETED
ULTIMATE DEPTH
PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
48.1-55.4	<p>ACID DIKE</p> <p>A fine to medium grained pink syenite. Quite massive and uniform throughout but some sections are finer grained. Some carbonate alteration in fine irregular threads and a few very fine-grained pink stringers. Fine brassy pyrite disseminated throughout. Contacts sharp, the upper one at 30° and the lower one at 40° to the core.</p>				
55.4-57.6	<p>BASIC DIKE</p> <p>A fine grained massive uniform grey rock with no recognizable minerals. A 1/2" section between this and the following dike appears to be volcanics. Both dike contacts are sharp at 10° to the core.</p>				
57.6-68.0	<p>ACID DIKE</p> <p>Same as section 48.1-55.4 above. The lower contact at 35° to core.</p>				
68.0-85.0	<p>ANDESITE</p> <p>Fine grained grey massive andesite with no recognizable minerals. Broken up and altered next to the lower contact. 68.0-74.5 - Generally altered and softer. Next to the dike contact at 68.0 it is altered to a light green carbonate and slightly sheared. From 72.5-74.0 section</p>				

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 Area #120

DIAMOND DRILL RECORD

HOLE NUMBER 52-5

SHEET NUMBER 5

SECTION FROM TO

LOCATION: LAT.
 DEP.
 ELEVATION OF COLLAR
 DATUM
 DIRECTION AT START: BEARING
 DIP

STARTED
 COMPLETED
 ULTIMATE DEPTH
 PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$		
85.0-91.0	<p>is altered to a chlorite-carbonate rock. Stringers of a fine grained bright red mineral with some white carbonate.</p> <p>ACID DIKE</p> <p>A fine to medium grained red syenite. Becomes more grey in color towards the end of the section. Some small white feldspar phenocrysts at the lower contact. A few veinlets of a bright red material cut the core. Brassy pyrite disseminated throughout. The contacts are obscured by broken core.</p>						
91.0-102.8	<p>ANDESITE</p> <p>Fine grained grey carbonated andesite much like the section above. Some creamy carbonate stringers and a few veinlets of bright red mineral. Disseminated pyrite locally.</p>						
102.8-104.0	<p>ACID DIKE</p> <p>Medium grained pink massive uniform equigranular syenite or granite. The contacts lie at 35° to the core.</p>						
104.0-115.7	<p>AGGLOMERATE</p> <p>A peculiar altered fragmental rock either an agglomerate or flow top breccia but more likely the former. Composed of large patches of a light yellow-green material in a mottled dark grey groundmass. The latter is formed of</p>						

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Area #120

DIAMOND DRILL RECORD

HOLE NUMBER 52-5

SHEET NUMBER 6

SECTION FROM TO

LOCATION: LAT.
DEP.
ELEVATION OF COLLAR
DATUM
DIRECTION AT START: BEARING
DIP

STARTED
COMPLETED
ULTIMATE DEPTH
PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$		
115.7-117.9	ACID DIKE tiny yellow-green grains scattered through a dark grey fine grained material. Locally carbonatized and mineralized with brassy pyrite. Medium grained pink syenite or granite. Sharp contacts at 40° to the core.						
117.9-150.3	AGGLOMERATE A peculiar rock similar to the section above. Fragments are recognizable when they are small enough to show in the core. Most of them are apparently large and show only as changes in color and sharp contacts. The core is composed of irregular patches of a light greenish white material in a mottled red or grey rock in a 60-40 proportion. The mottled appearance of much of the rock is caused by small rounded grains of a greenish-white mineral. The red material is quite siliceous whereas the light colored mineral is softer. The different colored minerals are intimately mixed up in some sections. Brassy pyrite is common locally. Some alteration and carbonatization.						

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Area #120

DIAMOND DRILL RECORD

HOLE NUMBER 52-5

SHEET NUMBER 7

SECTION FROM _____ TO _____

LOCATION: LAT. _____
 DEP. _____

ELEVATION OF COLLAR _____

DATUM _____

DIRECTION AT START: BEARING _____
 DIP _____

STARTED _____

COMPLETED _____

ULTIMATE DEPTH _____

PROPOSED DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
150.3-157.5	ACID DIKE Medium grained grey to red massive uniform equigranular syenite. The section from 150.5 to 154.0 is grey whereas the remainder is bright red in color. Disseminated pyrite throughout.				
157.5-158.3	AGGLOMERATE As above				
158.3-163.0	ACID DIKE Medium grained grey to pink uniform equigranular syenite or granite. Locally there are patchy changes from grey to pink in color. Some bright pink veinlets. Disseminated brassy pyrite throughout.				
163.0-166.0	AGGLOMERATE As above. A veinlet of specular hematite at 165.5'				
166.0-167.1	ACID DIKE Medium grained grey syenite with coarse rounded pink feldspar phenocrysts.				
167.1-189.9	AGGLOMERATE Same as above. 173.3 - Syenite stringer 176.5-176.9 - Irregular syenite stringer				

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 Area #120

DIAMOND DRILL RECORD

HOLE NUMBER 52-5

SHEET NUMBER 8

SECTION FROM TO

LOCATION: LAT.....
 DEP.....
 ELEVATION OF COLLAR.....
 DATUM.....
 DIRECTION AT START: BEARING.....
 DIP.....

STARTED.....
 COMPLETED.....
 ULTIMATE DEPTH.....
 PROPOSED DEPTH.....

DEPTH FEET	FORMATION	SAMPLE NO	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
	185.1 - Syenite stringer.				
189.9-190.7	ACID DIKE Fine grained grey rock with large rounded pink phenocrysts.				
190.7-192.0	AGGLOMERATE Same as above				
192.0-192.6	ACID DIKE Fine grained grey rock with large rounded pink phenocrysts				
192.6-219.9	AGGLOMERATE Same as above.				
219.9-220.5	GRANITE 194.5 - 1/4" quartz stringer with chalcopyrite Red in color and medium grained. Composed of white feldspar and quartz grains in bright red feldspar				
220.5-221.0	ACID DIKE Coarse grained grey rock composed of pink feldspar in a green chloritic groundmass.				
221.0-228.0	GRANITE As above. Some brassy pyrite locally				
228.0-229.8	ANDESITE				

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Area #120

DIAMOND DRILL RECORD

HOLE NUMBER 52-5

SHEET NUMBER 9

SECTION FROM TO

LOCATION: LAT.....
 DEP.....

ELEVATION OF COLLAR

DATUM

DIRECTION AT START: BEARING

DIP

STARTED

COMPLETED

ULTIMATE DEPTH

PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
	light grey highly carbonated and fractured rock. Some pyrrhotite. Now totally a carbonate-chlorite rock				
229.8-231.6	GRANITE As above				
231.6-252.0	ANDESITE 231.6-234.0 - Massive grey carbonated andesite. Very fine grained. 234.0-237.0 - Sheared brecciated and highly carbonated Minor pyrite 237.0-251.0 - Generally massive but locally brecciated. highly carbonated 243.0-246.0 - Ground core 251.0-252.0 - Brecciated and carbonated				
252.0-252.4	BASIC DIKE Medium grained biotite lamprophyre. Chilled contacts				
252.4-253.0	ANDESITE Brecciated and partially replaced by carbonate.				
253.0-253.5	BASIC DIKE Biotite lamprophyre as above				
253.5-255.0	ANDESITE Brecciated and highly carbonated. END OF HOLE				

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PROPERTY Boston Twp. Leonard Marshall Option #2
Area #120

L 56809
 L 56812

HOLE NUMBER 52-6
 SHEET NUMBER 1
 SECTION FROM _____ TO _____

DIAMOND DRILL RECORD

GENERAL LOG

LOCATION: LAT. 60' Line 90 W at
 DEP. 117+808 (Location #9)
 ELEVATION OF COLLAR _____
 DATUM _____
 DIRECTION AT START: BEARING North
 DIP - 45°

STARTED November 6, 1952.
 COMPLETED _____
 ULTIMATE DEPTH 350.0
 PROPOSED DEPTH 350.0

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
0.0-8.0	CASING				
8.0-8.4	BASIC DIKE				
8.4-24.7	IRON FORMATION				
24.7-30.5	BASIC DIKE				
30.5-35.5	IRON FORMATION				
35.5-35.8	BASIC DIKE				
35.8-54.1	IRON FORMATION				
54.1-54.3	BASIC DIKE				
54.3-73.8	IRON FORMATION				
73.8-77.9	BASIC DIKE				
77.9-79.2	SILICEOUS IRON FORMATION				
79.2-80.2	BASIC DIKE				
80.2-89.0	QUARTZITE AND TUFF				
89.0-123.3	IRON FORMATION				
123.3-124.6	BASIC DIKE				
124.6-131.7	IRON FORMATION				
131.7-135.5	TUFF				
135.5-141.0	TUFF AND QUARTZITE				
141.0-145.7	BASIC DIKE				
145.7-148.3	IRON FORMATION				
148.3-153.9	TUFF AND IRON FORMATION				

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PROPERTY Boston Twp. Leonard Marshall Option #2
Area #120

DIAMOND DRILL RECORD

HOLE NUMBER 52-6

SHEET NUMBER 2

SECTION FROM TO

LOCATION: LAT. _____
DEP. _____

ELEVATION OF COLLAR _____

DATUM _____

DIRECTION AT START: BEARING _____
DIP _____

STARTED _____

COMPLETED _____

ULTIMATE DEPTH _____

PROPOSED DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$			
153.9-181.7	IRON FORMATION							
181.7-185.5	ANDESITE							
185.5-191.8	ACID DIKE							
191.8-197.5	ANDESITE							
197.5-200.0	ACID DIKE							
200.0-228.0	ANDESITE							
228.0-229.5	ACID DIKE							
229.5-245.3	ANDESITE							
245.3-247.1	ACID DIKE							
247.1-250.2	ANDESITE							
250.2-253.4	GRANITE							
253.4-255.9	ACID DIKE							
255.9-261.3	GRANITE							
261.3-262.9	ACID DIKE							
262.9-263.4	GRANITE							
263.4-281.0	ANDESITE							
281.0-281.9	ACID DIKE							
281.9-290.0	ANDESITE							
290.0-290.7	ACID DIKE							
290.7-301.5	ANDESITE							
301.5-304.9	ACID DIKE							

NORTHERN MINER PRESS LIMITED, TORONTO - STOCK FORM NO. 501 REV. 9/44

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PROPERTY Boston Twp. Leonard Marshall Option #2
Area #120

HOLE NUMBER 52-6

SHEET NUMBER 1

DIAMOND DRILL RECORD

SECTION FROM TO

LOCATION: LAT. 60'E line 90W at
 DEP. 117+808 (Location #9)

STARTED November 6, 1952.

ELEVATION OF COLLAR

COMPLETED

DATUM

ULTIMATE DEPTH 350.0'

DIRECTION AT START: BEARING North
 DIP - 45°

PROPOSED DEPTH 350.0'

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
0.0-8.0	CASING				
8.0-8.4	Basic Dike				
	A medium grained dark green diorite composed of white feldspar and dark green ferromagnesian minerals. The lower contact is sharp at 50° to the core.				
8.4-24.7	Iron Formation				
	8.4-13.0 - 30% magnetite - Black magnetite stringers in black quartz with minor amounts of light blue quartz. The banding is quite regular at 55° to the core but contorted in the section next to the dike. The magnetite stringers are generally narrow and quite irregular. There has been considerable flowage. Minor amounts of a bright green silicate are present. Red garnet forms blebs and irregular veinlets along with some white carbonate and milky quartz. Pyrite is present in scattered large grains and narrow veinlets.				
	13.0-14.9 - 30% magnetite - Black magnetite stringers and some green silicates in light grey quartz. The banding is regular at 65° to the core, but locally is warped. The magnetite beds are narrow and lensy from flowage. Some are fine threads only. The green silicate				

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PROPERTY Boston Twp. Leonard Marshall Option #2

Area #120

DIAMOND DRILL RECORD

HOLE NUMBER 52-6

SHEET NUMBER 2

SECTION FROM TO

LOCATION: LAT.....
 DEP.....

ELEVATION OF COLLAR

DATUM

DIRECTION AT START: BEARING.....
 DIP.....

STARTED

COMPLETED

ULTIMATE DEPTH

PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$		
	occurs as narrow stringers and runs along the magnetite bands. Minor garnet and pyrite.						
14.9-17.7	35% magnetite - Black magnetite stringers in dark blue quartz. The banding is generally highly contorted and indefinite. The magnetite bands are very lensy from flowage and quite wide, ranging to 1 1/2" in thickness. Minor pyrite.						
17.7-22.0	40% magnetite - Black magnetite stringers in interbedded dark blue and red jasper quartz, the jasper comprising approximately 40% of the quartz section. The banding is regular, although locally warped, and lies at an angle to core varying from 60° to 90°. The magnetite bands are numerous and wide, ranging to a maximum thickness of 2". Many are lensy due to flowage. White carbonate blebs and veinlets are scattered throughout.						
22.0-24.7	40% magnetite - Black magnetite stringers in light blue quartz with minor amounts of red jasper quartz. The banding is regular at 60° to the core in places and highly contorted in others. The magnetite bands are wide ranging to a maximum of 5". Some are quite irregular from flowage. Scattered white carbonate and brassy pyrite.						

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PROPERTY Boston Twp. Leonard Marshall Option #2
 Area #120

DIAMOND DRILL RECORD

HOLE NUMBER 52-6

SHEET NUMBER 3

SECTION FROM TO

LOCATION: LAT.
 DEP.

ELEVATION OF COLLAR

DATUM

DIRECTION AT START: BEARING
 DIP

STARTED

COMPLETED

ULTIMATE DEPTH

PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$		
	Minor amounts of red garnet.						
24.7-30.5	Basic Dike A fine to medium grained greenish grey biotite lamprophyre composed of black biotite grains in a fine grained groundmass. Locally it is more coarse-grained with recognizable feldspar grains. Local white carbonate threads and one pegmatitic pink feldspar grains. Some brassy pyrite locally						
30.5-35.5	Iron Formation 40% magnetite - Black magnetite stringers in dark blue quartz with rare light blue quartz beds. The banding is generally highly contorted and warped. The magnetite bands are numerous and wide ranging up to 2" in thickness. Most are broken and lensey due to flowage. Much of the magnetite occurs in irregular belbs and fragments. Some scattered brassy pyrite.						
35.5-35.8	Basic Dike A fine grained dark green rock heavily mineralised with brassy pyrite.						
35.8-54.1	Iron Formation 35.8-37.5 - 40% magnetite - Black magnetite stringers in						

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PROPERTY Boston Twp. Leonard Marshall Option #2

Area #120

DIAMOND DRILL RECORD

HOLE NUMBER 52-6

SHEET NUMBER 4

SECTION FROM TO

LOCATION: LAT.
 DEP.

ELEVATION OF COLLAR

DATUM

DIRECTION AT START: BEARING
 DIP

STARTED

COMPLETED

ULTIMATE DEPTH

PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
	interbanded black quartz and light blue quartz. The banding is quite regular at 60° to the core. The magnetite bands are quite narrow but numerous. They have a maximum thickness of 2/5". Some green silicates are present next to the dike. Minor garnet and white carbonate.				
	37.5-44.0 - 40% magnetite - Black magnetite stringers in red jasper quartz and some light blue quartz. The banding is usually regular at 60° to 70° to the core but locally is warped or folded. The magnetite bands are numerous and quite wide on the average, ranging in thickness to 2". The magnetite appears to be more coarse-grained and granular than normal. Minor garnet.				
	44.0-48.8 - 35% magnetite - Black magnetite stringers in red jasper quartz with some light blue quartz. The banding is regular at an angle varying from 45° to 65° to the core. The magnetite beds are generally narrow but in the section from 47.5 on they range to 1" in thickness. In this section they are very numerous and comprise 75% of the core. Pink garnet is present in irregular blebs and stringers. Some secondary silicification as small				

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Area #120

DIAMOND DRILL RECORD

HOLE NUMBER 52-6

SHEET NUMBER 5

SECTION FROM TO

LOCATION: LAT.
DEP.

ELEVATION OF COLLAR

DATUM

DIRECTION AT START: BEARING
DIP:

STARTED

COMPLETED

ULTIMATE DEPTH

PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
	short stringers cutting many of the jasper beds. Some minor pyrite.				
48.8-52.0	- 35% magnetite - Black magnetite stringers in dark blue and light blue quartz. Some bright green silicates with the magnetite. The banding is generally irregular and contorted. The magnetite bands are narrow and lensy due to flowage but occur in concentrations which comprise up to 75% of the core. Considerable garnet is present in irregular stringers and blebs. Some white carbonate.				
52.0-54.1	- 35% magnetite - Interbanded black magnetite and dark green silicates in blue quartz. The banding is highly contorted. The magnetite stringers are irregular, lensy, and brecciated. They are interbedded with the silicate minerals forming bands to 3" in thickness. Some large grains of brassy pyrite.				
54.1-54.3	Basic Dike A fine grained dark grey rock with sharp contacts.				
54.3-73.8	Iron Formation 54.3-60.3 - 35% magnetite - Black magnetite stringers in dark blue mottled quartz. Considerable bright green silicate minerals in irregular patches and threads				

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PROPERTY Boston Twp. Leonard Marshall Option #2
Area #120

DIAMOND DRILL RECORD

HOLE NUMBER 52-6

SHEET NUMBER 6

SECTION FROM TO

LOCATION: LAT.
DEP.

STARTED

ELEVATION OF COLLAR

COMPLETED

DATUM

ULTIMATE DEPTH

DIRECTION AT START: BEARING
DIP

PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
	through the quartz. The banding is contorted and broken. Even where regular the angle of the banding to the core varies greatly over short distances. The magnetite bands are irregular, lensey due to flowage, and all are finely fractured. They range in width to a maximum of 1/2". Garnet & white carbonate form blebs and irregular veinlets.				
	60.3-62.2 - 35% magnetite - Black magnetite stringers in medium blue quartz with scattered red jasper beds. The banding is generally quite regular at an angle to the core varying from 60° to 80°, but locally is contorted. The magnetite bands are irregular, lensey due to flowage and highly fractured. They are wide on the average, ranging to 2 1/2" in thickness. Bright green silicates occur as irregular patches and veinlets. Garnet and white carbonate occur together in irregular blebs and veinlets.				
	62.2-68.3 - 35% magnetite - Black magnetite stringers with some black silicates in dark blue quartz. The banding is generally irregular but where regular lies at 30° to 40° to the core. The magnetite beds are narrow but numerous. They are generally lensey, contorted and				

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Area #120

DIAMOND DRILL RECORD

HOLE NUMBER 52-6

SHEET NUMBER 7

SECTION FROM TO

LOCATION: LAT.
DEP.

ELEVATION OF COLLAR

DATUM

DIRECTION AT START: BEARING
DIP

STARTED

COMPLETED

ULTIMATE DEPTH

PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$		
	fractured. Bright green silicates are scattered throughout in patches and veinlets. Minor garnet. A white quartz stringer at 66.5'.						
68.3-69.1	30% magnetite - Black magnetite interbanded with dark green silicates and minor dark blue quartz. Scattered brassy pyrites.						
69.1-72.5	35% magnetite - Black magnetite stringers in blue quartz. Bright green silicates are present along the magnetite bands, as blebs in magnetite and as thread cutting across the banding. The banding is not contorted but is faulted and squeezed resulting in much of the magnetite being broken up into fragments. The magnetite bands are widely spaced but are thick, ranging to 2 1/2" maximum. There is considerable garnet throughout and scattered brassy pyrite.						
72.5-73.8	Irregular black silicates and bright green silicates in quartz.						
73.8-77.9	Basic Dike A fine-grained to medium-grained dark green diorite. Fine-grained at contacts and coarser-grained in the centre section. White feldspar grains recognizable in						

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Area #120

DIAMOND DRILL RECORD

HOLE NUMBER 52-5SHEET NUMBER 8

SECTION FROM TO

LOCATION: LAT.
DEP.

ELEVATION OF COLLAR

DATUM

DIRECTION AT START: BEARING

DIP

STARTED

COMPLETED

ULTIMATE DEPTH

PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
	the coarse material. The contacts are sharp at 20° to core. Section is faintly lineated or sheared in the same direction.				
77.9-79.2	Siliceous Iron Formation Minor amounts of green silicates in blue quartz. The quartz is massive and locally banded. Some brassy pyrite				
79.2-80.2	Basic Dike A fine grained black rock sheared parallel to the contacts at 30° to the core. Pyrite in veinlets. Possibly a fine black tuff.				
80.2-89.0	Quartzite and Tuff Blue quartz with numerous sections of a fine grained black poorly banded material believed to be tuff. The quartz is massive and uniform except for minor amounts of light green silicates. The tuff is thinly bedded locally and mineralized with pyrite.				
	81.5-82.0 - Tuff				
	83.7-84.8 - Tuff				
	86.5-86.6 - Tuff				
	87.3-87.5 Tuff				
	87.9-88.5 - Tuff				

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Area #120

DIAMOND DRILL RECORD

HOLE NUMBER 52-6

SHEET NUMBER 9

SECTION FROM TO

LOCATION: LAT.....
DEP.....

ELEVATION OF COLLAR

DATUM

DIRECTION AT START: BEARING.....
DIP.....

STARTED

COMPLETED

ULTIMATE DEPTH

PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
89.0-123.3	Iron Formation 89.0-94.9 - 35% magnetite - Black magnetite and dark green silicate stringers in medium blue quartz. Scattered patches of light green silicates through the quartz, and also as veinlets in the dark green silicate bands and along magnetite beds. The banding is highly contorted. The magnetite is interbedded with the silicates but is also present in individual beds up to 2/5" in thickness. Considerable garnet and white carbonate in blebs and veinlets. 94.9-95.7 - Fine grained black faintly sheared or banded tuff. Strongly resembles the silicate bands in the iron formation. 95.7-97.4 - 35% magnetite - Black magnetite interbedded with silicates and grey quartz. 97.4-100.8 - 10% magnetite - Irregular patches of dark green silicates in light grey quartz. Some magnetite in fine stringers and small blebs. 100.8-105.0 - Dark silicates or tuff beds in blue quartz, the silicates comprising 65% of the section. Minor magnetite in narrow bands and blebs.				

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HOLE NUMBER 52-6

SHEET NUMBER 10

Area #120
DIAMOND DRILL RECORD

SECTION FROM TO

LOCATION: LAT.
DEP.

STARTED

ELEVATION OF COLLAR

COMPLETED

DATUM

ULTIMATE DEPTH

DIRECTION AT START: BEARING
DIP

PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$		
	105.0-106.4 - Massive blue quartz with one 2" tuff or silicate bed. No magnetite.						
	106.4-115.2 - 50% magnetite - Blue-black magnetite and some dark silicate or tuff bands in blue quartz. The magnetite bands are very numerous and wide on the average. They range to a maximum of 11" in thickness. The banding is irregular generally but locally is regular at 75° to the core. Black silicates occur in stringers interbedded with the magnetite and green silicates as patches in the quartz. Red garnet is common as irregular patches and veinlets. Some white carbonate in blebs. Scattered brassy pyrite.						
	115.2-116.6 - Mottled blue and white quartz with minor amounts of green silicates.						
	116.6-117.5 - Fine grained black faintly banded tuff. Some small faint quartz fragments.						
	117.5-122.0 - 30% magnetite - Magnetite and green silicates in blue quartz. The magnetite occurs in fragments, blebs, and some narrow stringers. The section is highly contorted. White carbonate and garnet occur in irregular blebs and veinlets. Scattered pyrite.						

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 Area #120

DIAMOND DRILL RECORD

HOLE NUMBER 52-6

SHEET NUMBER 11

SECTION FROM TO

LOCATION: LAT.....
 DEP.....
 ELEVATION OF COLLAR.....
 DATUM.....
 DIRECTION AT START: BEARING.....
 DIP.....

STARTED.....
 COMPLETED.....
 ULTIMATE DEPTH.....
 PROPOSED DEPTH.....

DEPTH FEET	FORMATION	SAMPLE NO	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
	122.0-122.8 Tuff				
	122.8-123.3 30% magnetite				
123.3-124.6	Basic Dike A fine grained light grey green rock				
124.6-131.7	Iron Formation 124.6-127.6 - 30% magnetite - Black magnetite and green silicates in blue quartz. The magnetite forms irregular narrow bands. 127.6-130.5 - Blue quartz with some black silicate beds 130.5-131.7 - 25% magnetite - Irregular magnetite and silicates in blue quartz.				
131.7-135.5	Tuff A fine grained dark grey to black finely banded rock probably a tuff. Considerable brassy pyrite				
135.5-141.0	Tuff and Quartzite Interbedded black tuff and quartz in a 50-50 proportion. Quartz fragments are present in some of the tuff. Beds quite narrow 140.0-141.0 - Magnetite lenses and stringers in black silicates or tuff.				

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DIAMOND DRILL RECORD

HOLE NUMBER 52-6

SHEET NUMBER 12

SECTION FROM TO

LOCATION: LAT.....
 DEP.....

ELEVATION OF COLLAR

DATUM

DIRECTION AT START: BEARING

DIP

STARTED

COMPLETED

ULTIMATE DEPTH

PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$		
141.0-145.7	Basic Dike A fine grained grey green diorite. The first half of the section is more coarse grained and contains white feldspar grains. The last half is a very fine grained light green rock. Contacts sharp.						
145.7-148.3	Iron Formation 145.7-147.4 - 45% magnetite - Black magnetite stringers in blue quartz. Some bright green silicates as thin interbands in the magnetite. Considerable red garnet in thin veinlets. 147.4-148.3 - Green silicates and some magnetite in blue quartz.						
148.3-153.9	Tuff and Iron Formation Fine grained black tuff with two narrow sections of good iron formation. Considerable pyrite.						
153.9-181.7	Iron Formation 153.9-161.4 - 35% magnetite - Black magnetite stringers in blue quartz. Considerable amounts of green silicates in stringers and interbands in the magnetite. The banding is quite regular but locally is contorted. It lies at an angle of 20° to the core. The magnetite						

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DIAMOND DRILL RECORD

HOLE NUMBER 52-6SHEET NUMBER 13

SECTION FROM TO

LOCATION: LAT.
DEP.

ELEVATION OF COLLAR

DATUM

DIRECTION AT START: BEARING

DIP

STARTED

COMPLETED

ULTIMATE DEPTH

PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
	stringers are narrow on the average but occur in concentrations giving good grade.. Garnet and white carbonate are scattered throughout in irregular veinlets and blebs. 161.4-164.4 - 35% magnetite - Black magnetite stringers and bright green silicates in blue quartz. The silicates comprise 60% of the section. 164.4-181.7 - 35% to 40% magnetite - Black magnetite and bright green silicates in blue quartz. The silicate stringers are scattered. The banding is generally quite regular but lies at an angle changing gradually from along the core at the beginning of the section to 45° to the core at the end. The magnetite bands are quite regular but locally show flowage and all are highly fractured. They are wide on the average and range up to 5" in thickness. Scattered garnet and brassy pyrite.				
181.7-185.5	ANDESITE Sheared, brecciated and carbonatized to a soft gray-green rock whose original character is doubtful.				
185.5-191.8	Acid Dike A fine grained gray to pink uniform massive syenite or granite. One or two altered inclusions. Some bright				

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DIAMOND DRILL RECORD

HOLE NUMBER 52-6

SHEET NUMBER 14

SECTION FROM TO

LOCATION: LAT.....
 DEP.....

ELEVATION OF COLLAR

DATUM

DIRECTION AT START: BEARING

DIP

STARTED

COMPLETED

ULTIMATE DEPTH

PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$		
	red alteration.						
191.8-197.5	Andesite A fine to medium grained dark green massive rock with some white feldspar grains. Carbonate veinlets throughout.						
197.5-200.0	Acid Dike Granite or syenite as above.						
200.0-228.0	Andesite 200.0-214.0 - Sheared, locally brecciated, and highly carbonatized to a light grey soft material. Locally contains rounded fragments suggesting that the section is an agglomerate or flow fragmental. 214.0-218.4 - A fine grained light grey highly carbonated massive rock. 218.4-228.0 - A medium grained to coarse grained dark green rock that is quite patchy in texture. Becomes more coarse grained at the end of the section.						
228.0-229.5	Acid Dike A medium-grained pink syenite composed of white feldspar, pink feldspar and a black ferromagnesian mineral. Some carbonate veinlets and brassy pyrite.						

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HOLE NUMBER 52-6

SHEET NUMBER 15

SECTION FROM TO

DIAMOND DRILL RECORD

LOCATION: LAT.....
 DEP.....
 ELEVATION OF COLLAR.....
 DATUM.....
 DIRECTION AT START: BEARING.....
 DIP.....

STARTED.....
 COMPLETED.....
 ULTIMATE DEPTH.....
 PROPOSED DEPTH.....

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
229.5-245.3	<p>Andesite</p> <p>229.5-236.5 - Medium grained massive and dark green in color. Some pink feldspar - quartz - calcite stringers.</p> <p>236.5-238.5 - Altered contorted fragmental section possibly interflow material. Chlorite - carbonate alteration.</p> <p>238.5-245.3 - A mixed massive, fragmental and locally amygdaloidal section with sharp contacts. Section is massive at beginning and grades into fragmental material to a sharp contact with massive rock at 240.3 feet. This grades up into amygdaloidal material which is in sharp contact with massive rock at 242.3. This section grades through amygdaloidal material at 240.4 into massive medium grained dark andesite.</p>				
245.3-247.1	<p>Acid Dike</p> <p>Fine grained gray to pink syenite or granite. Contacts sharp at 45° to core.</p>				
247.1-250.2	<p>Andesite</p> <p>A fine grained dark green massive rock.</p>				
250.2-253.4	<p>Granite</p> <p>Coarse grained, bright red in color and composed of</p>				

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Area #120

DIAMOND DRILL RECORD

HOLE NUMBER 52-6

SHEET NUMBER 16

SECTION FROM TO

LOCATION: LAT.
DEP.

ELEVATION OF COLLAR

DATUM

DIRECTION AT START: BEARING
DIP

STARTED

COMPLETED

ULTIMATE DEPTH

PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$		
253.4-255.9	white feldspar and quartz grains in bright red feldspar. Acid Dike Medium grained grey to pink uniform massive syenite composed of pink feldspar and a green ferromagnesian mineral.						
255.9-261.3	Granite Same as section 250.2-253.4 above. Andesite inclusion at 257.5.						
261.3-262.9	Acid Dike Syenite - same as above						
262.9-263.4	Granite Same as above.						
263.4-281.0	Andesite Generally a fine grained grey carbonated soft rock quite uniform in texture. 265.0-272.5 - highly altered flow fragmental. Angular and rounded fragments recognisable.						
281.0-281.9	Acid Dike Fine grained grey to pink syenite or granite. Composed of pink feldspar in a bright green ferromagnesian mineral.						

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Area #120

DIAMOND DRILL RECORD

HOLE NUMBER 52-6

SHEET NUMBER 17

SECTION FROM TO

LOCATION: LAT.
 DEP.
 ELEVATION OF COLLAR
 DATUM
 DIRECTION AT START: BEARING
 DIP

STARTED
 COMPLETED
 ULTIMATE DEPTH
 PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
281.9-290.0	Andesite A fine grained grey quite uniform carbonatized rock				
290.0-290.7	Acid Dike Same as syenite or granite at 281.0'				
290.7-301.5	Andesite As above. Local small patches flow fragmental				
301.5-304.9	Acid Dike As above.				
304.9-325.0	Andesite Medium to coarse grained gabbroic dark green massive andesite. Some quartz stringers. Gradually changes to a fine grained grey-green carbonated andesite at the end of the section.				
325.0-325.6	Granite Quartz grains in pink feldspar. Medium grained and bright red in color. Contacts at 45° to the core.				
325.6-326.0	Acid Dike A medium grained pink to gray syenite or granite.				
326.0-327.8	Andesite Brecciated and altered to a light green soft carbonate Some pink feldspar stringers.				

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 Area #120

DIAMOND DRILL RECORD

HOLE NUMBER 52-6

SHEET NUMBER 18

SECTION FROM TO

LOCATION: LAT.....
 DEP.....

ELEVATION OF COLLAR

DATUM

DIRECTION AT START: BEARING

DIP

STARTED

COMPLETED

ULTIMATE DEPTH

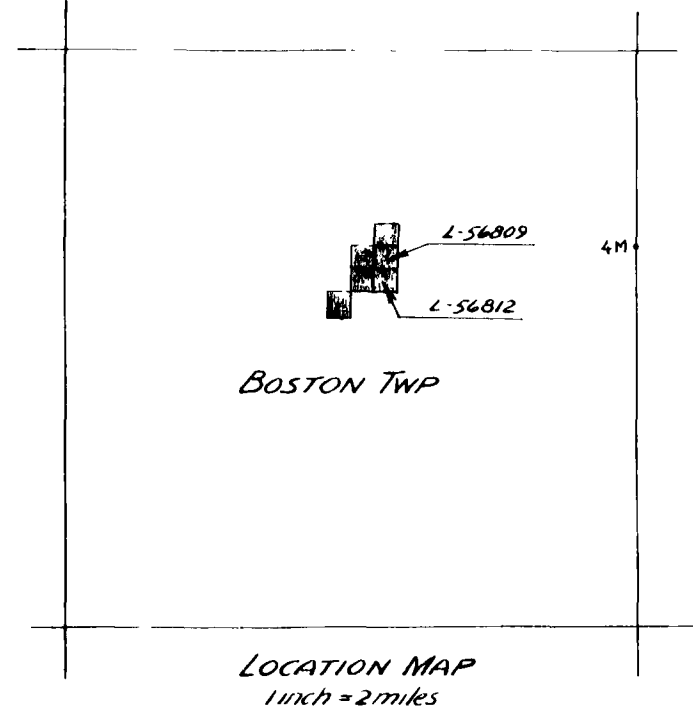
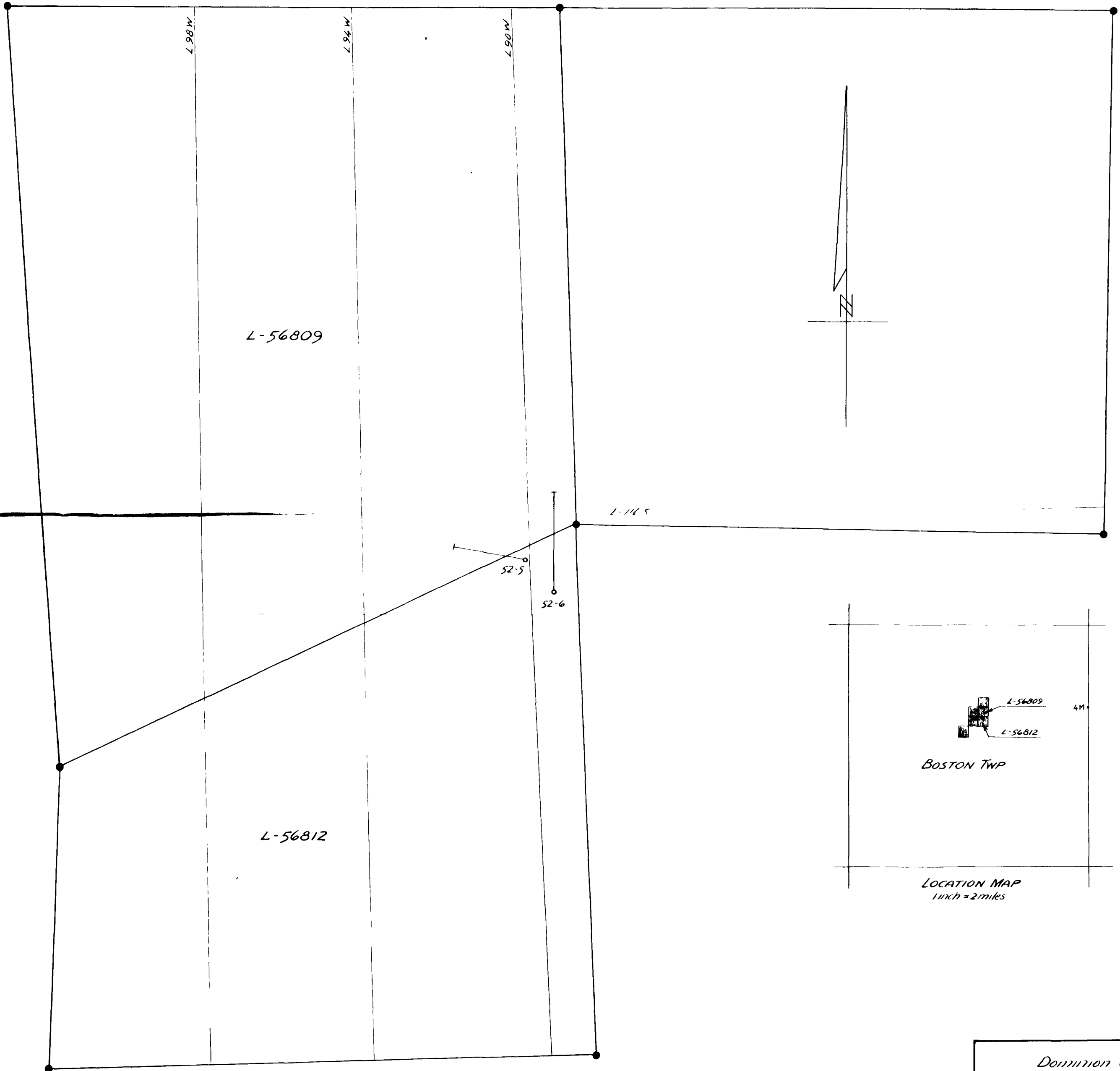
PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$		
327.8-333.1	Acid Dike A fine grained light grey green rock with fine pink feldspar grains throughout. Possibly highly altered. Sharp contacts.						
333.1-340.0	Andesite Dark grey altered andesite. Highly carbonatized. Local patches of flow breccia.						
340.0-340.2	Acid Dike Syenite as above.						
340.2-350.0	Andesite A highly altered carbonatized dark grey andesite. Carbonate stringers are common. Small white grains of carbonate or feldspar are scattered throughout. Small veinlets of pink material here and there. A small granite dike stringer at 347.0'						
350.0	END OF HOLE						

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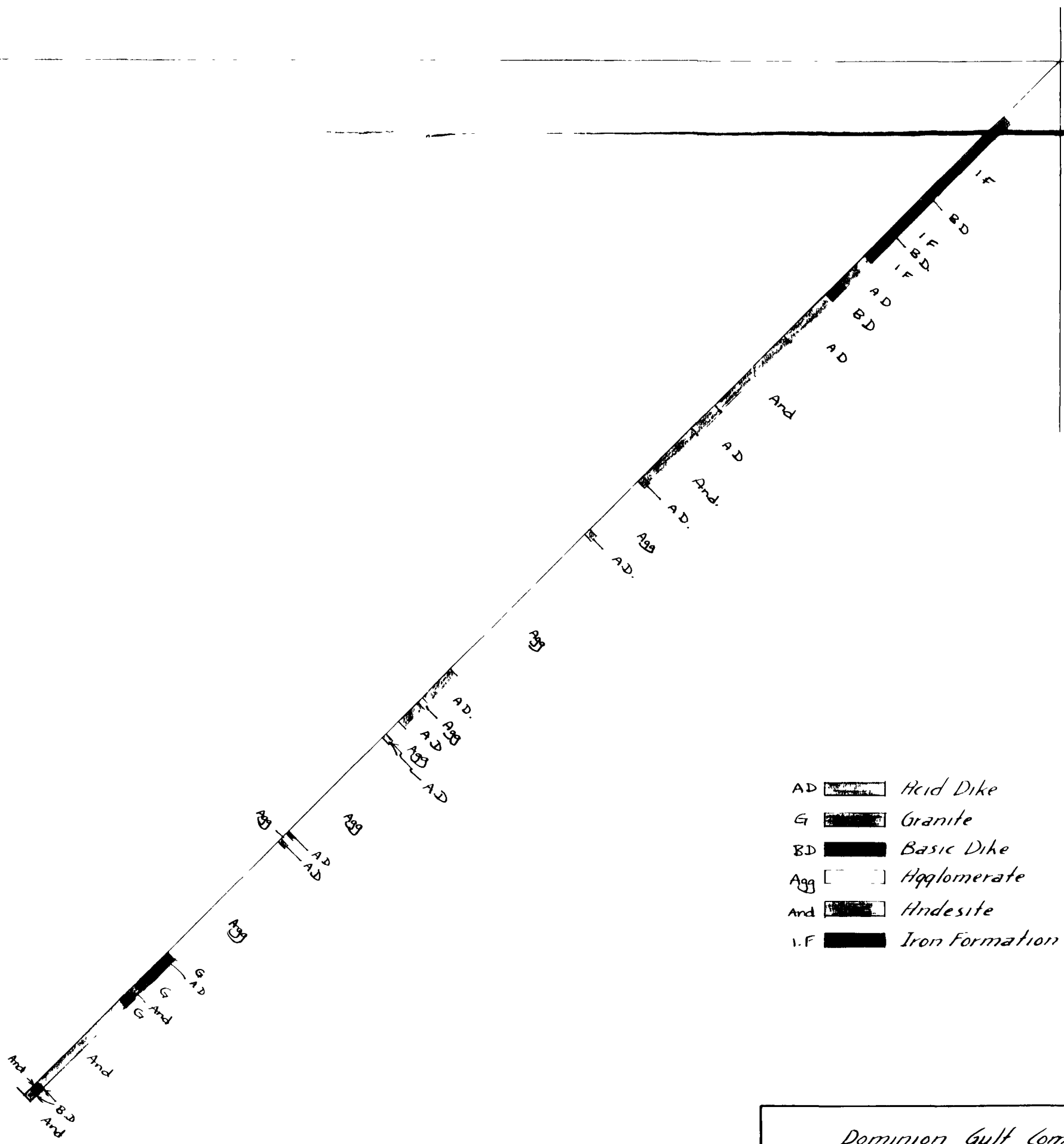


Dominion Gulf Company
 LOCATION OF D. D. HS - 52-5, 52-6
 LEONARD A. MARSHALL OPTION No 2
 Boston Twp. ----- Prov. of Ont.
 Scale: 1" = 200' Jan. 21, 1953.

112-112



320845W8344 21 BOSTON



- AD Acid Dike
- G Granite
- BD Basic Dike
- A.G. Agglomerate
- And Andesite
- I.F. Iron Formation

Dominion Gulf Company
 VERTICAL SECTION D.D.H. No 52-5
 LEONARD MARSHALL OPTION #2
 Boston Twp Prov of Ontario.
 Scale: 1" = 20' Jan. 12, 1953



