



41009NW0037 10 MALLARD

010

# Diamond Drilling

Township of Mallard

Report N<sup>o</sup>: 10

Work performed by: Anaconda American Brass Limited

Claim N <sup>o</sup>	Hole N <sup>o</sup>	Footage	Date	Note
S 118285	F-7	396.0'	June/63	
S 118287	F-5	204.0'	"	
	F-9	351.6'	"	
S 118291	F-4	548.3'	"	
	F-2	405.8'	"	
	F-3	240.0'	"	
	F-6	495.9'	"	
	F-8	403.5'	"	
	F-10	352.4'	"	
	F-11	354.0'	"	
	F-1	349.0'	"	

Notes:

Anaconda American Brass Limited  
Exploration Division

Diamond Drill Hole Log

D.D.H. F-7

Line: 14SE @ 9+77NE  
 Inclination at collar: -45°  
 Acid test @ 45' : -47°  
 Acid test @ 345' : -44°  
 Bearing N45°E  
 Total depth 396.0 feet

Location: Claim 118285  
 Mallard Township  
 Ontario

<u>From</u>	<u>To</u>	<u>Description</u>
Feet	Feet	
0	36.0	Overburden
36.0	266.3	Dicrite. As in surface mapping with less than 1/4% sulphides. There are bands and veins of quartz carbonate and/or chlorite feldspar every few feet throughout the diorite. 241.4-242.8 Fine-grained andesite dyke with slightly sheared contacts at 80° to core axis.
266.3	268.2	Rock type 1V <sub>3</sub> (?). This material is granular and could be a clastic sediment but there is no foliation and the grains are poorly defined. Very little sulphide.
268.2	273.6	Rock type 1S <sub>1</sub> . 268.2-270.0 Finely bedded with 1% <u>po</u> py disseminated throughout. 270.0-273.6 50% graphite with bedding varying from 50° to 60° to core axis. The lower contact cuts sharply across the bedding. About 1% <u>po</u> disseminated and 1/2% py as threads parallel to the bedding.
273.6	290.6	Rock type 1V <sub>3</sub> with very little sulphide.
290.6	302.7	Rock type 1V <sub>2</sub> with occasional band quartz carbonate epidote alteration and about 1/4% sulphides. One 1/2" bleb py at 301.0.
302.7	308.7	Rock type 1V <sub>3</sub> with occasional bleb and thread of <u>po</u> py trace cp and 1/2% disseminated <u>po</u> .
308.7	320.7	Rock type 1S <sub>1</sub> with bedding varying from 70° to 5 to 60° to core axis. About 3/4% <u>po</u> py trace cp as stringers parallel to the bedding associated with granular quartz and 1 to 2% finely disseminated <u>po</u> . Graphite content about 50% with only 10% from 312.0 to 314.6.

Continued.....

D.D.H. F-7 Continued:

- 2 -

<u>From</u>	<u>To</u>	<u>Description</u>
320.7	327.7	Rock type $1V_2$ (?). This rock could be a massive sediment. There are numerous quartz veins throughout and about 1/2% disseminate <u>po</u> <u>py</u> .
327.7	338.2	Rock type $1S_1$ with an occasional band coarser clastic material. Varying from 50 - 30% graphite 327.7 to 338.2. One per cent fine disseminated <u>po</u> and about 1% <u>po</u> <u>py</u> trace <u>cp</u> as blebs and threads. 337.4 Five per cent <u>po</u> <u>py</u> trace <u>cp</u> over 3".
338.2	342.0	Feldspar porphyry somewhat finer grained. Upper contact parallels bedding at 338.2. Very little sulphides.
342.0	351.8	Rock type $1V_3$ with banded feldspar epidote alteration. Banding at 60° to core axis. Upper contact sheared. Less than 1/4% <u>po</u> <u>py</u> disseminated throughout.
351.8	373.5	Rock type $1S_1$ with bands of coarser clastic sediment in the following locations: 364.3-365.2, 369.2-369.8, 370.5-371.1 and 372.3-373.5 351.8-360.9 Thirty per cent graphite, three per cent fine grain disseminated sulphide and 1/2% <u>po</u> <u>py</u> threads parallel to the bedding. 360.9-367.0 Sixty per cent graphite, three per cent fine grained disseminated and 1/2% <u>po</u> <u>py</u> threads. 367.0-373.5 Twenty per cent graphite with 3% fine grained disseminated <u>po</u> and 1/2% <u>po</u> threads.
373.5	396.0	Rock type $1V_3$ with less than 1/4% sulphide throughout. 373.5-378.0 Slightly foliated area with un-sheared lenses giving brecciated effect. 378.0-383.0 Development of clear feldspar phenocrysts. 383.0-396.0 Pervasive quartz carbonate feldspar epidote chlorite alteration with banding at 55° to core axis.
396.0		End of Hole.

Drilling performed by Morissette Diamond Drilling Company,  
Haileybury, Ontario, March 1963.

*Hugh Jones P. Eng.*

Noranda, Quebec

Hugh Jones, Geologist.

June 4th, 1963

Anaconda American Brass Limited  
Exploration Division

Diamond Drill Hole Log

D.D.H. F-5

Line 18NW @ 2+65NE  
Inclination at collar: -45°  
acid test @40' -42°  
acid test @200 -43°  
Bearing: N45°E  
Total Depth: 204.0 feet

Location: Claim S-118287  
Mallard Township  
Ontario

<u>From</u>	<u>To</u>	<u>Description</u>
	Feet	
0	32.0	Overburden
32.0	85.8	Rock type 1V <sub>3</sub> with a mild pervasive feldspar epidote alteration and occasional bands of intense quartz carbonate chlorite epidote. 1/2 to 2% irregularly disseminated po, py. Few grains cp observed. 72.8 Four per cent <u>po</u> py over 4" associated with chlorite alteration. 83.9 Three lenses po -2%/6". 85.0 Four lenses po giving 3%/6".
85.8	98.8	Metasediment 85.8-96.7 Rock type 1S <sub>1</sub> altered to sericite and chlorite with quartz. Bedding at 45° to core axis. 85.8-89.4 Three per cent po in 1/8" long hair-like threads, mainly with the darker, more siliceous layers. One per cent as stringers and blebs all roughly parallel to the bedding. 89.4-96.4 One per cent fine disseminated po. 96.4-96.7 Eighty per cent graphite with 1% visible po. 96.7-98.8 Rock type 1S <sub>2</sub> with 1/2% disseminated <u>po</u> py.
98.8	127.9	Feldspar Porphyry with occasional quartz carbonate veinlets throughout. Some po py and occasional grain cp with quartz veinlets. About 1/2% disseminated sulphides throughout. 126.5-127.9 Few threads <u>graphite</u> .

Continued.....

<u>From</u>	<u>To</u>	<u>Description</u>
127.9	160.9	Metasediment. 127.9-130.0 Predominantly $1S_1$ with 80% graphite. Bedding at $40^\circ$ to core axis. One 1/8" bleb py with fleck cp and 1% fine disseminated po were observed, but up to 15% of the material was attracted by a hand magnet and there is probably considerable po. 130.0-133.2 Predominantly $1S_2$ . There are four 1/2" graphite blebs (not veins) and some po throughout. 132.0-133.2 Ten per cent po py associated with secondary quartz. Some cp along edges of po but in quartz. 133.2-136.0 Predominantly $1S_1$ . Bedding at $50^\circ$ to core axis. Some graphite throughout with a 30% concentration from 134.2-135.0. One per cent disseminated po py and 1% as stringers and blebs po py trace cp associated with granular quartz. 136.0-139.8 Predominantly sediment $1S_2$ with bedding at $60^\circ$ to core axis. Two 1" graphite veins (?) and one 1/2" long thread po py trace cp. One per cent po py as 1/8" blebs. 139.8-142.3 Predominantly sediment $1S_1$ with 4" graphitic bed. 1/2% py associated with quartz threads. 142.3-147.7 Predominantly $1S_2$ with bedding at $60^\circ$ to core axis. Few 1/2" lenses po py trace cp and 1% ultra fine disseminated po. 147.7-149.2 Predominantly $1S_1$ with three 1/8" by 1/4" stringers po and 2% ultra fine disseminated po. 149.2-151.4 Predominantly $1S_2$ with bedding at $50^\circ$ to core axis and occasional quartz threads parallel to the core axis. Six 1/8" x 1/4" stringers po py trace cp parallel to the bedding and 1% ultra fine disseminated po. 151.4-152.6 Predominantly $1S_1$ with bedding at $45^\circ$ to core axis. some quartz threads with the more granular beds and about 3/4% disseminated po py. 152.6-154.9 Predominantly $1S_2$ with only 1/2% po. 154.9-157.5 Predominantly $1S_1$ with bedding at $45^\circ$ to core axis. Less than 1/4% visible sulphides. 157.5-160.9 Predominantly $1S_2$ with less than 1/4% visible sulphides.

Continued.....

<u>From</u>	<u>To</u>	<u>Description</u>
160.9	164.5	Feldspar Porphyry. Both contacts are sheared and altered but both are roughly parallel to the bedding in the adjacent sediments. About 1/2% sulphide throughout.
164.5	172.1	Metasediment. 164.5-169.3 Predominantly $1S_1$ with bedding varying from $55^\circ$ to $48^\circ$ to core axis. 166.2 Six 1/2" x 1/4" po lenses with trace cp giving 10% sulphides over 4". 169.3-170.4 Predominantly $1S_2$ with less than 1/4% sulphides. 170.4-172.1 Predominantly $1S_1$ with less than 1/4% sulphides.
172.1	176.4	Rock type $1V_3$ with the development of actinolite needles. Less than 1/4% sulphides. 174.0 Five inches quartz carbonate.
176.4	191.5	Dicrite (?). Medium grey equigranular with 30% altered feldspar. Could be an altered andesite. About 1/2% po . 177.0 Three inches quartz carbonate, at $60^\circ$ to core axis. 181.4 Five inches quartz carbonate at $70^\circ$ to core axis.
191.5	204.0	Rock type $1S_3$ with pervasive feldspar chlorite epidote alteration throughout and bands of intense alteration at 194.8 and 201.6. There is about 1% disseminated po throughout generally associated with the quartz in the alteration.
204.0		End of Hole.

Drilling performed by Morissette Diamond Drilling Company, Haileybury, Ontario, March 1963.



Noranda, Quebec

H. Jones, Geologist

June 4th, 1963

Anaconda American Brass Limited  
Exploration Division

Diamond Drill Hole Log  
D.D.H. F-9

Line: 8NW @ 1+95NE  
Inclination at collar: -43°  
                  at 300' : -43°  
Bearing: N45°E  
Total Depth: 351.6'

Location: Claim S-118287  
          Mallard Township  
          Ontario

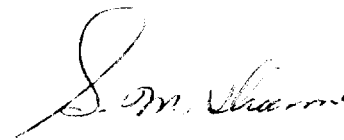
<u>From</u>	<u>To</u>	<u>Description</u>
	Feet	
0	10	Overburden
10.0	159.1	Dacite pillowed lava, epidotized and feldspathized, very hard, grey-green colored with occasionally very small amygdules filled with calcite from 10.0 to 12.7 and with chlorite clots very likely filled amygdules; cut by numerous quartz-feldspar stringers with occasional chalcopyrite associated with pyrrhotite and pyrite. 124.9-159.1 10% pyrite and pyrrhotite with occasional grains of questionable chalcopyrite occurs generally disseminated through rock.
159.1	181.0	Metasediments. 159.1-162.3 Rock type 1S <sub>1</sub> slightly dragfolded with development of sericite and some coarse phase with yellow-green epidote alteration. 2% FeS <sub>2</sub> -FeSx. 162.3-181.0 Rock type 1S <sub>1</sub> well schistose, abundant sericite and some chlorite with epidote alteration. 3% FeS <sub>2</sub> cubes in disseminations, 7% FeSx as films along foliated planes, banding at 55° to core axis.
181.0-193.4		Rock type 1V <sub>3</sub> with irregular epidote stringers and bands.
193.4-201.0		Basic sill, fine even grained, fresh rock with yellow-green epidote alteration.
201.0-203.5		Rock type 1V <sub>3</sub> epidotized and chloritized.
203.5-207.0		Feldspar porphyry altered with development of sericite, almost a cataclasite.

Continued.....

<u>From</u>	<u>To</u>	<u>Description</u>
207.0	264.8	Rock type 1V <sub>3</sub> pillowed and chloritized.
264.8	299.0	Sericite-chlorite schist with sections of calcite-filled amygdules and other porphyritized with development of white feldspar, other sections standard metasediments with poor bedding or banding at 50° to 70° to core axis.
299.0	351.6	Andesite and altered andesite. 299.0-306.1 Rock type 1V <sub>3</sub> 306.1-329.5 Rock type 2V <sub>3</sub> pillowed, highly chloritized and epidotized with specks of iron sulfides, lineation 50-60° to core axis. 329.5-351.6 Rock type 1V <sub>3</sub> chloritized and epidotized with calcite-filled amygdules from 345.5 to 351.6.
351.6		End of hole.

Drilling performed by Morissette Diamond Drilling Company,  
Haileybury, Ontario, April 1963.

Noranda, Quebec  
June 4th, 1963



G. M. Dionne, Geologist



Anaconda American Brass Limited  
Exploration Division

Diamond Drill Hole Log

D.D.H. F-4

Line: 2SE @ 8+27NE  
 Inclination at collar: -45°  
                   at 360' : -43°  
                   at 520' : -43°  
 Bearing: S+45°W  
 Total Depth: 548.3

Location: Claim S-11<sup>8</sup>291  
 Mallard Township  
 Ontario

<u>From</u>	<u>To</u>	<u>Description</u>
Feet		
0	10.0	Overburden
10.0	54.9	Diorite green colored, fine grained with abundant white plagioclase, cut by numerous quartz-calcite stringers.
54.9	55.6	Feldspar porphyry with needles of amphibole (hornblende). Pea-sized feldspar phenocrysts and amphibole phenocrysts up to 3/10" long are set in a dacitic matrix.
55.6	56.3	Diorite as above.
56.3	59.8	Amphibole feldspar porphyry as above.
59.8	154.0	Diorite as above with shearing beginning at 136.7 and increasing towards bottom with chlorite increasing from 107.0 to bottom. 146.8-154.0 schistose at 30° core axis.
154.0	169.5	Metasediments - banding at 40° core axis. 154.0-155.0 Argillite brecciated broken core. 155.0-163.3 Thinly banded argillite. 163.3-164.0 Siliceous sediments without bedding. 164.0-165.4 As above, but brecciated. 165.4-169.5 As 163.3 to 164.0, shearing at 20° core axis.
169.5	204.2	Schistose diorite as 146.8 to 154.0 at 45° core axis.
204.2	216.7	Standard feldspar porphyry, fairly sheared with specks of galena and a few grains of chalcopyrite.

Continued.....

Diamond Drill Hole F-4 Continued: - 2 -

<u>From</u>	<u>To</u>	<u>Description</u>
Feet	Feet	
216.7	217.4	Schistose diorite as 146.8 to 154.0.
217.4	220.7	Metasediments banding at 45-50° core axis. 217.4-218.5 Thinly banded argillite. 218.5-220.7 Fairly massive graphite without good banding.
220.7	223.3	Chlorite schist with development of little pink feldspar.
223.3	293.7	Altered green pillow andesite, rock type 1V <sub>2</sub> fine grained, fairly hard, bleached with epidote and chlorite alteration. 2 to 4% iron sulfides with scattered flakes of sphalerite-galena-chalcopyrite mineralization 223.3-231.2 Semi-schist with alignment of chlorite clots as 2V <sub>3</sub> - 45° core axis 231.2-293.7 Light green pillow lavas with light green chlorite clots and abundant irregular calcite-filled amygdules? Sulfide mineralizations are generally replacing chloritic material of pillow rims.
293.7	297.2	Basic sill, fine evengrained with yellow-green epidote alteration.
297.2	336.7	Rock type 1V <sub>2</sub> , very likely as 231.2-293.7 brecciated from 297.2 to 326.5 and fairly shattered from 326.5 to 336.7. Specks of iron sulfides.
336.7	357.0	Rock type 1V <sub>3</sub> , medium grained, fairly schistose and fairly chloritic. 10% iron sulfides with occasional blobs of chalcopyrite and specks of sphalerite.
357.0	371.3	Rock type 1V <sub>1</sub> fairly shattered to brecciated with quartz-epidote stringers.
371.3	378.4	Rock type V <sub>3</sub> , fairly chloritic. 371.3-376.1 rock type 1V <sub>3</sub> . 376.1-378.4 rock type 2V <sub>3</sub> .
378.4	433.0	Rock type 1V <sub>1</sub> vaguely pitted with irregular patches of quartz-feldspar mineralization from 382 to 397

Continued.....

Diamond Drill Hole F-4 Continued: - 3 -

<u>From</u>	<u>To</u>	<u>Description</u>
		402.0-408.5 Mottled with epidote.
		409.5-416.3 Highly brecciated with chloritic and gougey matrix mineralized with disseminated Cu-Zn-Pb sulfides.
		420.0-425.9 Mottled with epidote.
		427.4-428.2 Worm-like epidote alteration.
		429.4-431.8 Shattering with little chalcopryrite and sphalerite.
433.0	459.4	Rock type 1V <sub>3</sub> feldspathized. 439.6-440.4 3-4% iron sulfides with specks of chalcopryrite-sphalerite.
459.4	471.7	Feldspar porphyry with vague feldspar phenocrysts often replaced by chloritic material, grey to grey blue colored, fairly sheared with specks of iron sulfides and films of pyrrhotite.
471.7	499.2	Andesite with interbedded metasediments (bedding at 60° core axis) with very erratic iron sulfides and occasional threads and grains of galena, sphalerite and chalcopryrite. 471.7-474.9 Rock type 2V <sub>3</sub> , lineation at 55° core axis. 474.9-476.9 Rock type 1V <sub>1</sub> , with some banding 476.9-478.0 Phyllite. 478.0-481.2 Rock type 1V <sub>1</sub> . 481.2-483.2 Phyllite. 483.2-487.3 Rock type 1V <sub>1</sub> . 487.3-488.3 Rock type 1V <sub>1</sub> , porphyritic. 488.3-491.9 Rock type 1V <sub>1</sub> . 491.9-496.6 Banded feldspathized sediments. 496.6-499.2 Rock type 1V <sub>1</sub> feldspathized.
499.2	516.5	Argillite and graphite thinly and well banded. 8% iron sulfides. 508.8-516.5 mainly graphitic, banding at 65° core axis.
516.5	525.1	Altered feldspar porphyry with development of cataclasite texture and sericite minerals.
525.1	548.3	Metasediments with very little iron sulfides erratically scattered threads of Pb-Zn sulfide mineralization. Banding at 60° C.A. 525.1-534.0 Thinly banded argillite and graphite. 534.0-539.6 Thinly banded graphite, brecciated.

Continued.....

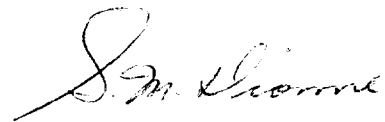
D.D.H. F-4 Continued:

- 4 -

<u>From</u> feet	<u>To</u>	<u>Description</u>
	530.6-540.6	Thinly banded argillite.
	540.6-546.1	Graphite faulted & folded.
	546.1-548.3	Phyllite with development of abundant sericite.
548.3		End of Hole.

Drilling performed by Morissette Diamond Drilling Company, Halleybury,  
Ontario, March 1963.

Noranda, Quebec  
June 4th, 1963



G. M. Dionne, Geologist.

Anaconda American Brass Limited  
Exploration Division

Diamond Drill Hole Log

D.D.H. F-2

Line 10SE @ 5+65NE  
 Inclination @ collar: -45°  
 acid test @ 60' : -48°  
 acid test @ 310' : -47°  
 Bearing: N45°E  
 Total Depth: 405.8 feet

Location: Claim S-118291  
 Mallard Township  
 Ontario

<u>From</u>	<u>To</u>	<u>Description</u>
	FEET	
0	40	Overburden.
40	93.9	Rock type 1V <sub>3</sub> 54.1-73.1 Banded epidote quartz feldspar alteration @ 40-70° to core axis. 73.1-76.4 1/32" chlorite lenses and one crenulated granular quartz thread every inch all at 70° to core axis. 76.4-79.2 Mild pervasive epidote albite chlorite alteration. Foliation at 45° to core axis. 90.1-93.9 Mild siliceous epidote albite alteration.
93.9	126.6	Dark Intermediate Volcanic "1V <sub>1</sub> " Deep even grey colour, ultra fine grained, very siliceous. Contacts sharp or gradational against 1V <sub>3</sub> . This could be a particular alteration of 1V <sub>3</sub> . This rock type is frequently mottled with vague 1/2" epidote spots. 107.3-113.8 Mottled with 1/2" epidote spots which form up to 50% of the rock. 118.2-123.5 Mottled as at 107.3.
126.6	291.9	Rock type 1V <sub>3</sub> . Mild pervasive epidote feldspar quartz alteration throughout, with random quartz knots to 1/2" throughout, although these do not show a preferred orientation they are granular quartz and probably fill tensional openings. They are spaced at about 4" intervals. Minor pyrite pyrrhotite throughout about 1/2% finely disseminated.

Continued.....

<u>From</u>	<u>To</u>	<u>Description</u>
		127.6-140.9 Quartz feldspar epidote chlorite alteration bands with elliptical patches and angular fragments of less altered rocks forming a breccia. This could reflect an original texture (pyroclastic or small pillows) or could be a result of some movement in the alteration zone.
		140.9-237.6 Occasional bands of epidote quartz feldspar alteration and occasional quartz veins.
		237.6-239.4 Alteration breccia as at 127.6.
		250.0-254.5 Alteration breccia as at 127.6 with slight increase in sulphides in the form of 1/2% long threads (up to 3" long less than 1/16" wide) of pyrrhotite. Age relationship - alteration bands cut, by granular quartz veins cut by pyrrhotite threads. The sulfide threads could represent a late fracturing or non-directional crackling.
		261.5-265.6 Lost Core. No indication that this was a mineralized, fractured or in any way unusual zone.
		265.6-272.0 Only a few alteration bands, 1% pyrite in fine threads as at 250.0, one 1/4" long thread of chalcopyrite identified.
		281.6-289.4 1 1/2% <u>pyrrhotite</u> pyrite with a few fleck chalcopyrite as at 265.6.
		284.4-289.4 Best portion of above mentioned zone assayed Cu .05%, Ni--, Au nil.
291.9	324.7	Diorite(?). Even-grained intrusive texture light colored altered feldspars in a mafic matrix, light to dark grey, no foliation. Slight dissemination of pyrite throughout with two pyrrhotite threads at 295.6 and 297.1. Toward the end of the section the so-called diorite is lighter with some epidote (?) with larger salic masses. At this point it begins to resemble the material at 330.3. Thus, the sedimentary contact is not definitely defined.
324.7	330.3	Rock type 1V <sub>3</sub> , with 1% well disseminated pyrrhotite, contact with former obscured by alteration band.

Continued.....

<u>From</u>	<u>To</u>	<u>Description</u>
	Feet	
330.3	346.4	Metasediment (?). Light colored fragments (1/4" - 3") of material resembling andesite altered to feldspar and epidote. Matrix is darker siliceous material with 1/4" salic grains as in the first 2 feet of the following clastite, minor disseminated pyrrhotite. 330.3-330.8 3% <u>pyrrhotite</u> pyrite with possible grains <u>chalcopyrite</u> , associated with quartz threads. One possible explanation is that this is a sediment derived from and therefore similar to the underlying diorite (?).
346.4	370.5	Rock type 1S <sub>2</sub> . This material varies from an unfoliated granular sediment (?) as in the former rock type to a well bedded clastic sediment at 351.4. The clastite is a medium grained sediment similar to the siliceous andesites in composition. Within this medium-grained material there are beds of very fine-grained graphitic argillite. 351.4-352.8 Few very thin beds graphite. 1% pyrite as 1/4" knots of crystals. 352.8-356.9 5% graphite at 35° to core axis. 1/2% pyrite threads conformable to bedding, 3% very finely disseminated <u>pyrrhotite</u> pyrite in bedding. 15% of the material is attracted by a hand magnet when finely ground. Therefore there may be considerable pyrrhotite which could not be seen with a hand lense or binocular microscope. 356.9-361.4 25% graphite 1/2% pyrite threads, 8% finely disseminated pyrrhotite pyrite, 20% magnetic material. 361.4-370.5 80% graphite at 60°-80° to core axis. 1% <u>pyrite</u> pyrrhotite threads with a trace of <u>chalcopyrite</u> . 8% finely disseminated <u>pyrrhotite</u> pyrite, 20% magnetic material. The best mineralization is in stringers. 368.0-368.6 3% pyrrhotite and trace cp.
370.5	405.8	Diorite. More basic than diorite above medium-grained even texture, foliated in part due to lineation in light minerals, tending toward talc chlorite schist, very soft. 375.0-384.0 Strongest foliation at 25° to core axis. 385.6-389.2 Quartz carbonate vein.

Continued.....

D.D. Hole F-2

- 4 -

<u>From</u>	<u>To</u>	<u>Description</u>
Feet		
	391.0-394.0	Two quartz carbonate veins form most of this section.
	395.0-395.6	Quartz carbonate vein.
	396.2-396.6	Inclusion of altered fine green andesite (LV <sub>2</sub> )
405.8		End of Hole.

Drilling performed by Morissette Diamond Drilling Company,  
Haileybury, Ontario, March, 1963.



Noranda, Quebec  
June 4th, 1963

Hugh Jones.



Anaconda American Brass Limited  
Exploration Division

Diamond Drill Hole Log

D.D.H. F-3

Line 6SE @ 5+01.5NE  
 Inclination at collar -45°  
 Acid test @ 200' -48°  
 Bearing N45°E  
 Total Depth 240.0 feet

Location: Claim S-118291  
 Mallard Township  
 Ontario

<u>From</u>	<u>To</u>	<u>Description</u>
0	16	Overburden
16	19.3	Rock type 1S <sub>1</sub> . Possible cross-bedding was noted. Very little sulphide. Core angles vary from 33° to 50°.
19.3	20.2	Metasediment (?). Coarse clastic texture of quartz and feldspar grains in a dark chloritic matrix. Only a slight suggestion of bedding. Very little sulphide.
20.2	40.3	Rock type 1V <sub>3</sub> . 38.0 20% po:py: <u>cp</u> over 5".
40.3	48.8	Rock type 1V <sub>1</sub> . Few grains po and py throughout.
48.8	60.5	Rocktype 1V <sub>3</sub> . Few threads and slight dissemination po py throughout. 57.6-58.7 20% <u>po</u> trace cp as an irregular vein.
60.5	62.4	Rock type 1V <sub>1</sub> . With two 1/4" veins <u>po</u> py trace cp.
62.4	65.7	Diorite with one quartz carbonate stringer and very little sulphide.
65.7	85.4	Rock type 1V <sub>3</sub> . Few blebs and dissemination sulphide but not over 1/4%. Slight foliation @ 60°-65° to core axis.
85.4	93.2	Rock type 1V <sub>1</sub> . Slight foliation @ 60° to core axis. Very little sulphide.
93.2	128.8	Rock type 1V <sub>3</sub> with 1/2% sulphides. 96.1 5% <u>po</u> cp ZnS over 1" associated with a fracture.

Continued.....

<u>From</u>	<u>To</u>	<u>Description</u>
		111.0 Few quartz carbonate stringers with minor po trace cp.
		112.3 Six inches quartz carbonate with chloritic slips.
		120.2-128.8 Feldspar epidote chlorite alteration, first part banded at 45-60° to core axis last part brecciated.
128.8	167.0	Rock type IV <sub>1</sub> . Few grains po py and lesser cp mostly with quartz carbonate stringers.
		135.0-137.0 mottled with epidote spots.
		139.5-150.2 " " " "
		152.7-155.5 " " " "
167.0	225.0	Rock type IV <sub>3</sub> pervasive albite. Well mineralized throughout with about 3% disseminated po py trace cp and 4% po py trace cp as stringers and blebs, evenly distributed throughout. These stringers are mainly associated with quartz threads or grains and not with the mafic portions of the alteration.
		167.0-192.5 Banded albite epidote alteration. Last 1.5' brecciated.
		218.2-219.9 Banded feldspar epidote alteration.
		221.7-225.0 Banded feldspar epidote alteration.
225.0	240.0	Fine Green Andesite IV <sub>2</sub> . This andesite is finer grained than IV <sub>3</sub> . It is light grey green in colour and quite massive. It is more brittle than IV <sub>3</sub> .
		225.0-227.4 2% disseminated po py and 2% as stringers. This is the end of the long zone of mineralization described in 167.0-225.0
		227.4-234.5 chlorite epidote alteration zone with fragments of bleached IV <sub>2</sub> in bands of darker more chloritic alteration products. 1% po py disseminated throughout.
		234.4-240.0 Some banded quartz feldspar alteration at 45° to core axis. About 1½% po py as disseminations and threads.
240.0		End of Hole.

Drilling performed by Morissette Diamond Drilling Company,  
Haileybury, Ontario, March, 1963.



Hugh Jones

Noranda, Quebec  
June 4th, 1963

Anaconda American Brass Limited  
Exploration Division

Diamond Drill Hole Log

D.D.H. F-6

Line: 6SE @ 3+37.5 NE  
 Inclination at collar: -45°  
                   at 60' : -37°  
                   at 450' : -34½°  
 Bearing: N45°E  
 Total Depth: 495.9'

Location: claim S-118291  
 Mallard Township  
 Ontario

<u>From</u>	<u>To</u>	<u>Description</u>
	Feet	
0	50.0	Overburden
50.0	52.0	Graphite - broken core - banding at 50° core axis.
52.0	53.0	Feldspar porphyry altered and almost a cataclasite, possibly a porphyritized meta-sediment.
53.0	54.3	Graphite - broken core - banding at 50° core axis.
54.3	57.6	As 52.0 to 53.0.
57.6	68.0	Thin banded graphitic and siliceous, argillaceous sediments cut by 2" feldspar porphyry dyke.
68.0	73.0	Feldspar porphyry intrusive with feldspar phenocrysts up to 0.2". Matrix is acid and somewhat sericitic. Shattered at bottom with cracks filled with graphite.
73.0	75.3	Metasediments, vaguely banded argillaceous and graphitic sediments. Banding at 65° core axis.
75.3	147.2	Light grey acid volcanic, fine grained, with development of abundant sericite, feldspar and some irregular chloritic areas. Often brecciated and shattered. 2 to 7% iron sulfides as disseminations, blebs, streaks and a few stringers with very occasional chalcopyrite. 137.5-174.2 Well schistose with very good development of sericite with fairly abundant sugary quartz. 7 to 9% iron sulfides generally associated with greyish quartz.
147.2	162.0	Metasediments. 147.2-150.0 Graphite, contorted & faulted from 147.8 to 148.3. 2% pyrrhotite stringers.

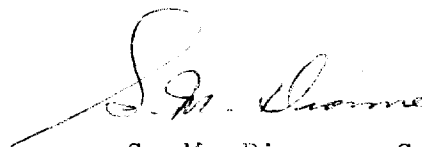
Continued.....

<u>From</u>	<u>To</u>	<u>Description</u>
Feet		
		150.0-162.0 Thinly bedded argillite with specks of iron sulfides - banding at 45°-50° core axis.
162.0	165.5	Rock type 1V <sub>1</sub> with light clots of chloritic material.
165.5	237.2	Metasediments (banding 55°-60° core axis) with intercatated andesite and one small dyke of feldspar porphyry with specks of iron sulfides. 165.5-171.2 Grey thinly bedded argillite. 171.2-174.4 Green thinly bedded argillite. 174.4-188.4 As 165.5 to 171.2. 188.4-189.3 Rock type 1V <sub>3</sub> or 2S <sub>1</sub> . 189.3-190.4 as 165.5 to 171.2. 190.4-193.2 as 188.4 to 189.3. 193.2-198.1 as 165.5 to 171.2. 198.1-199.5 as 188.4 to 189.3. 199.5-226.2 as 165.5 to 171.2. 226.2-227.2 Standard feldspar porphyry with coarse feldspar phenocrysts set in a dacitic matrix. 227.2-237.2 as 165.5 to 171.2.
237.2	239.7	Feldspar porphyry grey-blue colored with vague feldspar phenocrysts often replaced by greenish chloritic material.
239.7	252.6	Rock type 3V <sub>3</sub> with specks of pyrite cubes all through rock.
252.6	309.5	Altered andesite, rock type 1V <sub>3</sub> , with occasional pillow structure, with irregular sections, bands and patches of quartz-feldspar-epidote-chlorite mineralization, cut by some quartz stringers mineralized by specks of pyrite-pyrrhotite-chalcopyrite from 257.9 to 276.0 280.7-284.3 Rock type 2V <sub>3</sub> , lineation at 45° core axis.
309.5	321.5	Rock type 1V <sub>1</sub> with numerous quartz feldspar epidote bands or irregular stringers, often pitted.
321.5	322.5	Rock type 2V <sub>3</sub> .
322.5	324.1	Rock type 1V <sub>1</sub> with irregular stringered quartz and quartz-calcite.

Continued.....

<u>From</u> Feet	<u>To</u>	<u>Description</u>
324.1	416.4	Altered andesite. 324.1-333.9 Rock type 1V <sub>3</sub> slightly epidotized and feldspathized with a section (331.3-332.6) of 20% sulfides of which 50% is chalcopyrite. 333.9-342.6 Rock type 2V <sub>2</sub> with irregular section bands lination at 45°. Stringers of chlorite alteration alternative with light green brittle sections, bands and stringers, often appearance of a breccia. The most highly altered sections are favored by light pyrite-pyrrhotite-chalcopyrite mineralization. 342.6-416.4 Rock type 1V <sub>3</sub> with occasional pillow structure, even rained feldspar-epidote alteration and fairly brittly. 14% iron sulfides with specks of chalcopyrite indissemiations, blebs, stringers and patches. 369.6-372.6 Brecciated.
416.4	464.2	Rock type 1V <sub>2</sub> bleached and hard, often frag- mental. With patches of chlorite-epidote alteration and 5% iron sulfides with a few questionable grains of chalcopyrite.
464.2	481.9	Thin banded graphite and argillite with films of pyrrhotite and abundant quartz, fairly con- torted.
481.9	486.0	Graphitic metadiorite fairly schistose with development of sericite near bottom, lination at 60° C.A.
490.1	495.9	Diorite green to grey-green colored with a re- markable amount of chlorite and a little iron sulfides.
495.9		End of Hole.

Drilling performed by Morissette Diamond Drilling Company, Haileybury, Ontario, March-April 1963.



G. M. Dionne, Geologist.

Noranda, Quebec

June 4th, 1963

Anaconda American Brass Limited  
Exploration Division

Diamond Drill Hole Log

D.D.H. F-8

Line: 8SE @ 8+5ONE  
 Inclination at collar: -45°  
                   at 360' : -41°  
 Bearing: S45°W  
 Total Depth: 403.5 feet

Location: Claim S-118291  
 Mellard Township  
 Ontario

<u>From</u>	<u>To</u>	<u>Description</u>
Feet		
0	14.0	Overburden
14.0	135.6	Diorite fine-grained green to grey to bluish colored cut by numerous quartz-calcite stringers with disseminated grains of chalcopryrite, sphalerite and iron sulfides. Increasing schistosity and chlorite from 50.0 to 134.3 with lamination at 40 to 50° core axis. 134.3-135.6 metadiorite schistose and shattered with cracks filled with graphite, 10% films, blebs, lenses of pyrrhotite.
135.6	149.5	Graphite, jet black to grey black colored, brecciated with minor faulted. 12% FeSx as films blebs and lenses. Specks of sphalerite between 136.0 to 140.3 with occasional flakes of chalcopryrite.
149.5	152.6	Section as 134.3 to 135.6
152.6	152.9	Section as 135.6 to 149.5
152.9	155.0	Section as 134.3 to 135.6
155.0	161.5	Rock type 1V <sub>3</sub> with sections of breccia or inclusions of acid fragments. Fairly feldspathized with some sericite. Cut by feldspar porphyry at 156.6-157.2.
161.5	164.7	Basic sill, fine even grained rock with yellow-green epidote alteration.
164.7	195.8	Rock type 1V <sub>3</sub> cut by numerous quartz-calcite stringers & masses. 167.6-169.0 brecciated with fairly rounded fragments of fairly bleached andesite with chlorite and calcite-filled amygdules.

Continued.....

<u>From</u> feet	<u>To</u>	<u>Description</u>
195.8	196.1	Basic sill, fine even grained rock with yellow-green epidote alteration.
196.1	202.6	As 164.7 to 195.8
202.6	212.4	As 161.5-164.7 with maximum of epidote alteration near contacts and decreasing towards the centre to no megascopic epidote alteration.
212.4	293.5	Rock type 1V <sub>2</sub> consists of light green pillow andesite fine grained, fairly epidotized with erratically abundant calcite-filled amygdules. 212.4-213.6 brecciated section 242.2-250.9 brecciated section 289.9-293.5 brecciated section From 263.0 to 277.7, 5% stringered and disseminated FeS <sub>2</sub> -FeSx with specks of chalcopyrite and sphalerite.
293.5	294.1	Basic sill, fine even grained rock with yellow-green epidote alteration.
294.1	303.7	Rock type 1V <sub>2</sub> as 212.4-293.5 without breccia.
303.7	304.1	Basic sill, fine even grained rock with yellow-green epidote alteration.
304.1	307.6	As 299.1 to 303.7
307.6	315.8	Grey acid to intermediate volcanic, aphanitic, siliceous with development of good pyrite cubes (3/10") disseminated through rock - up to 6% sulfides, shearing at 60° core axis.
315.8	403.5	Andesite and altered andesite. 315.8-325.7 Rock type 1V <sub>3</sub> pillowed with calcite-filled amygdules and chlorite clots. 325.7-333.4 Rock type 2V <sub>3</sub> pillowed with bleached sections and chlorite clots. Lination at 50° core axis. 333.4-349.2 As 315.8 to 325.7 349.2-351.9 As 325.7 to 333.7. Lination at 45° to core axis. 351.9-379.0 Rock type 1V <sub>3</sub> highly feldspathized cut by numerous quartz-calcite stringers. 379.0-403.5 Rock type 1V <sub>3</sub> feldspathized and epidotized with development of actinolite, silicified zones and bleached bands. 10% iron sulfides with specks of chalcopyrite and questionable sphalerite.

Continued.....

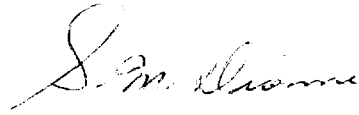
D.D.H. F-8 Continued:

- 3 -

<u>From</u>	<u>To</u>	<u>Description</u>
feet		
403.5		End of Hole.

Drilling performed by Morissette Diamond Drilling Company,  
Haileybury, Ontario, April 1963.

Noranda, Quebec  
June 4th, 1963



G. M. Dionne, Geologist



Anaconda American Brass Limited  
Exploration Division

Diamond Drill Hole Log

D.D.H. F-10

Line: 2SE @ 5+73NE  
 Inclination at collar: -43°  
                   at 300' : -41°  
 Bearing: S45°W  
 Total depth: 352.4 feet

Location: Claim S118291  
 Mallard Township  
 Ontario

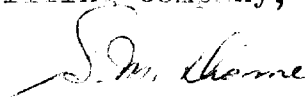
<u>From</u> Feet	<u>To</u> Feet	<u>Description</u>
0	56.0	Overburden
56.0	73.4	Rock type 1V <sub>3</sub> , epidotized and feldspathized.
73.4	77.0	Rock type 3V <sub>3</sub> .
77.0	123.2	Altered andesite. 77.0-113.7 Rock type 1V <sub>3</sub> epidotized and feldspathized. 113.7-123.2 Rock type 2V <sub>3</sub> .
123.2	136.8	Feldspar porphyry grey-green to bluish to brownish acid intrusive with subrounded feldspar phenocrysts. 123.2-125.1 Feldspar phenocrysts are replaced by chloritic material. 125.1-135.6 No chloritic replacement of feldspar. 135.6-136.8 As 123.2 to 125.1.
136.8	139.1	Altered andesite with development of chlorite and salic spots.
139.1	146.8	Metasediments. 139.1-141.0 Rock type 2S <sub>1</sub> banding at 50° to core axis. 141.0-142.0 Rock type 1S <sub>1</sub> well to fairly shattered with cracks filled with dark to black material. 142.0-144.0 Porphyritized sediments with a cataclasite texture and development of sericite. 144.0-146.8 Rock type 1P <sub>1</sub> beige to grey to brownish. 2 pyrite stringers, banding at 40° to core axis.
146.8	149.3	Rock type 1V <sub>1</sub> with development of very little dark mica.
149.3	173.5	Metasediments banding at 50-55° to core axis.

Continued.....

<u>From</u> Feet	<u>To</u>	<u>Description</u>
		149.3-150.5 Rock type 1S <sub>1</sub> .
		150.5-155.2 Rock type 1S <sub>1</sub> with poor bedding and occasionally some possible calcite-filled amygdules?
		155.2-160.5 Altered rock type 1S <sub>1</sub> with rock type 2S <sub>1</sub> .
		160.5-161.4 Porphyritized sediments with cataclastic texture and rounded feldspar phenocrysts.
		161.4-173.5 Rock type 1S <sub>1</sub> and altered 1S <sub>1</sub> peppered with dark dots and tiny lines. 1-2% FeS <sub>2</sub> -FeS <sub>x</sub> in heavy stringers and threads.
173.5-181.5		Altered andesite, somewhat similar to 2V <sub>3</sub> , but highly sericitic and soft. 2% FeS <sub>2</sub> in threads and stringers.
181.5	225.0	Metasediments. Banding at 45° to core axis. 2.3% iron sulfides with trace of zinc and lead
		181.5-185.0 Graphite Rock type 1S <sub>1</sub> and some Rock type 2S <sub>1</sub> .
		185.0-197.0 Graphitic Rock type 1S <sub>1</sub> .
		197.0-203.5 Graphite, highly contorted light black and black graphite bands.
		203.5-211.4 Very likely a sediment with abundant sericite, no good bedding, but a somewhat irregular banding.
		211.4-223.0 Rock type 1S <sub>1</sub> with siliceous bands highly sericitic and argillaceous bands chloritic and/or graphitic.
		223.0-225.0 Transitional contact between metasediments and volcanics, sericitic and sheared.
225.0	352.4	Greenish granular, slightly altered 1V <sub>3</sub> with development of little white feldspar at places, with very little epidote alteration and light chlorite clots as 2V <sub>3</sub> . Well shattered up to 268.0. Occasional quartz-calcite stringers with grains of sphalerite and chalcopyrite.
		297.6-305.0 altered 1V <sub>3</sub> , darker green w/salic patches or spots.
		323.3-326.0 As above.
		326.0-345.7 As 225.0 to 297.6 with epidotization.
		345.7-352.4 As 297.6-305.0 with well wider spots of salic material often sericitic.
352.4		End of hole.

Drilling performed by Morissette Diamond Drilling Company,  
Haileybury, Ontario, May 1963.

Noranda, Quebec  
June 4th, 1963



G. M. Dionne, Geologist



<u>From</u> Feet	<u>To</u>	<u>Description</u>
116.6	127.3	Feldspar porphyry, fairly altered sericitic dacite porphyry with feldspar phenocrysts up to 1/8". Somewhat schistose.
127.3	132.4	Banded argillite. Light colored siliceous and sericitic bands and dark argillaceous and often chloritic bands. Rock type 1S <sub>1</sub> . 2% FeS <sub>2</sub> in threads of disseminations. A few threads of sphalerite. Banding at 35-50° to core axis.
132.4	136.4	Rock type 2V <sub>3</sub> , lineation at 30° to core axis.
136.4	173.1	Metasediments. Banding at 40 to 50° core axis. 136.4-143.6 Rock type 1S <sub>1</sub> with 50% quartz mineralization. 1% FeS <sub>2</sub> . 143.6-151.2 Rock type 2S <sub>1</sub> . 151.2-166.0 Graphite and graphitic banded argillite. 40% is graphite. 5% FeS <sub>2</sub> -FeSx. 166.0-173.1 Argillite and banded argillite.
173.1	175.2	Rock type 2V <sub>3</sub> with abundant irregular calcite.
175.2-	179.0	Rock type 1S <sub>1</sub> . 3% FeS <sub>2</sub> in threads.
179.0	181.8	Rock type 2V <sub>3</sub> with less chlorite clots.
181.8	199.1	Metasediments with occasional pyrite in threads, stringers and disseminations, banding at 45° and lineation at 35-40° to core axis. 181.8-184.8 2S <sub>1</sub> . 184.8-194.8 Sericite chlorite schist. 194.8-199.1 Graphite and graphitic 1S <sub>1</sub> and 2S <sub>1</sub>
199.1	201.7	Feldspar porphyry, altered with development of abundant sericite minerals.
201.7-272.5		Metasediments with very little FeS <sub>2</sub> -FeSx as films, threads and stringers, banding at 60° to core axis. 201.7-203.6 Graphite and graphitic 1S <sub>1</sub> , and 2S <sub>1</sub> . 203.6-204.8 Rock type 2S <sub>1</sub> . 204.8-209.8 Graphitic 1S <sub>1</sub> and 2S <sub>1</sub> . 209.8-249.7 Graphite with very little 1S <sub>1</sub> . 249.7-253.5 Porphyritized 2S <sub>1</sub> with development of sericite. 253.5-272.5 Graphite with very little 1S <sub>1</sub> .
272.5	354.0	Altered andesite with little FeS <sub>2</sub> near sediment contact.

Continued.....

<u>From</u> Feet	<u>To</u>	<u>Description</u>
	272.5-277.7	Rock type 2V <sub>3</sub> with grey-blue to grey-black siliceous inclusions.
	277.7-308.6	Rock type 2V <sub>3</sub> , fairly to highly bleached brecciated and fractured. 2-3% iron sulfide.
	308.6-345.6	Rock type 1V <sub>3</sub> feldspathized and epidotized.
	345.6-354.0	Altered andesite with development of irregular chloritic and salic spots.
354.0		End of hole F-11.

Drilling performed by Marisette Diamond Drilling Company,  
Haileybury, Ontario, May 1963.



Noranda, Quebec  
June 4th, 1963

G. M. Dionne, Geologist

Anaconda American Brass Limited  
Exploration Division

Diamond Drill Hole Log

D.D.H. F-1

Line LOSE @ 3+37NE  
 Inclination @ collar -45°  
               @ 80' -37°  
 Acid test @ 220' -36°  
 Bearing: N45°E  
 Total Depth: 349.0 feet

Location: Claim S-118291  
 Mallard Township  
 Ontario

<u>From</u>	<u>TO</u>	<u>Description</u>
0	74	Overburden.
74	134.5	Andesite, light green, fine granular texture, salic material (mostly feldspar alteration products) with ill-defined foggy margins, surrounded by fine-grained alteration products. This is rock type " <u>1V<sub>3</sub></u> " There are veins and masses of albite (?) epidote chlorite and closely associated quartz chlorite stringers. 105.1-134.5 1% finely disseminated Py, Po associated with the more intense alteration
134.5	161.2	Metasediment. Bedding varies 40-60° to core axis. Mostly fine-grained argillite rock type "1S <sub>1</sub> ", few narrow bands clastite "1S <sub>2</sub> ". 134.5-136.5 estimated 50% graphite 136.5-144.8 " 80% " 144.8-148.8 " 10% " 148.8-158.0 " 90% " 134.5-158.0 1-2% fine-grained Po, Py and 1-2% Py, Po trace Cp as threads parallel to the bedding. There are numerous tight fractures perpendicular to the bedding with very little displacement. 156.5-157.6 Breccia of broken graphite fragments in a quartz carbonate vein. 158.0-159.3 Rock type 1S <sub>2</sub> with 5% very finely disseminated Po, Py and 1½% Py, Po in stringers and blebs.

Continued.....

<u>From</u>	<u>To</u>	<u>Description</u>
feet		
161.2	183.8	Rock type 1V <sub>3</sub> with occasional quartz carbonate stringers and 1% irregularly disseminated Po, Py.
183.8	187.9	Rock type 1S <sub>1</sub> with 40% graphite, 1% fine disseminated Po and 3% Po Py trace Cp trace ZnS in two veins parallel to bedding. Bedding at 45-50° to core axis.
187.9	189.7	Rock type 1V <sub>3</sub> with 1% disseminated Po and 2% Po, Py trace Cp in blebs and facings.
189.7	193.3	Rock type 1S <sub>1</sub> , with 30% graphite 1% disseminated Po, 3% Po Py trace Cp in blebs and stringers. Bedding at 45-50° to core axis.
193.3	200.0	Rock type 1V <sub>3</sub> numerous quartz veins and 1/2-1% Po disseminated.
200.0	213.7	Rock type 1S <sub>1</sub> with 20% graphite, only 1% visible Po but there is 5% magnetic material which is probably all pyrrhotite. Bedding at 45-50° to core axis.
213.7	223.4	Feldspar porphyry with sharp intrusive contacts at 45° to core axis. There are a few threads of <u>graphite</u> in fractures adjacent to the upper contact. Very little sulphide.
223.4	224.9	Rock type 1S <sub>1</sub> with 50% graphite. Two 1/8" stringers Po Py with minor cp and 1% disseminated Po. Bedding at 45° to core axis.
224.9	228.0	Feldspar porphyry contacts at 45° to core axis. Very little sulphide.
228.0	240.1	Rock type 1S <sub>1</sub> with 20% graphite, with bedding at 45° to core axis. 3% disseminated Po and a few threads Po and Py trace cp.

<u>From</u>	<u>To</u>	<u>Description</u>
240.1	242.2	Altered Feldspar Porphyry. Upper contact at 50° lower contact at 40°. Very little sulphide.
242.2	252.6	Rock type 1S <sub>1</sub> 15% graphite. Bedding at 45°-50° to core axis. 1% fine disseminated Po Py. 251.6 2% disseminated Py Po over 2" with quartz.
252.6	257.5	Feldspar Porphyry sharp contacts at about 50° to core axis. About 1/4% disseminated Py and one Py on a fracture at 256.4.
257.5	302.5	Metasediments. 257.5-267.8 Predominantly 1S <sub>1</sub> with 10% graphite. Bedding at 45°-50° to core axis. 2% disseminated Po, 3% Po Py minor Cp in blebs and stringers parallel to the bedding. 267.8-275.3 Predominantly 1S <sub>2</sub> with 5% graphite. 4% disseminated Po, 1½% lenses and threads Po, Py some Cp. 275.3-285.2 Predominantly 1S <sub>1</sub> with 5% graphite. Bedding at 45° to core axis. 3% disseminated Po, 1% Po Py lesser Cp as stringers. Stringers at 278.7 and 281.6. 285.2-288.5 Predominantly 1S <sub>2</sub> more siliceous than most of the metasediment with 1% fine Po. 288.5-296.6 Rock type 1S <sub>1</sub> light coloured with 2% fine Po Py trace Cp. 295.5 One foot of quartz carbonate veins with graphite slips. 296.6-302.5 Rock type 1S <sub>2</sub> with 1% disseminated Po Py and 1% Py in 1/4" clumps of crystals.
302.5	349.0	Rock type 1V <sub>3</sub> 315.2-322.6 Quartz carbonate epidote alteration in bands at 45° to core axis, with 1% Po Py disseminated. 344.5-347.3 Epidote chlorite alteration producing foliation at 45° to core axis. 1% Po:Py disseminated throughout.



D.D.H. F-1 Continued:

- 4 -

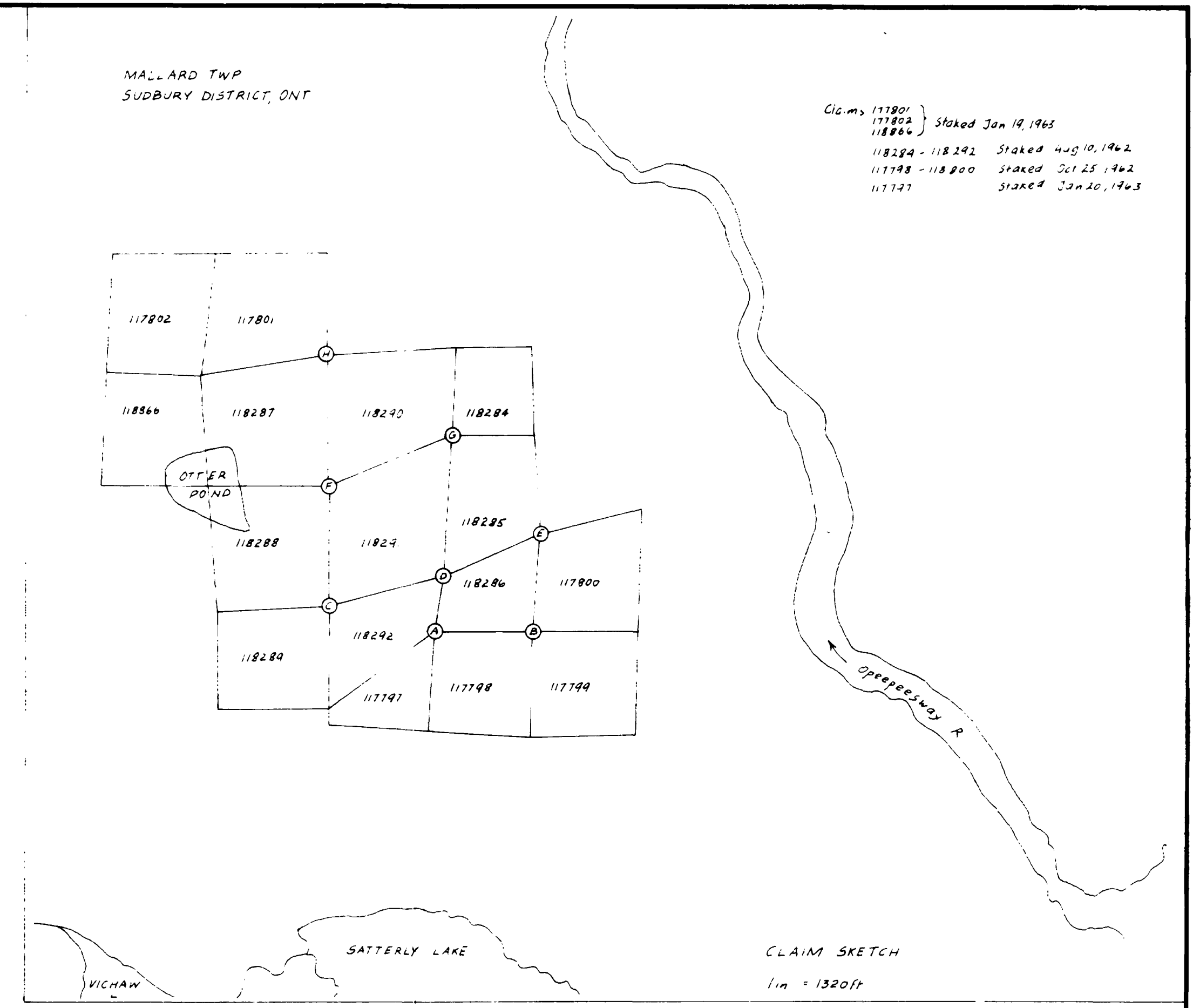
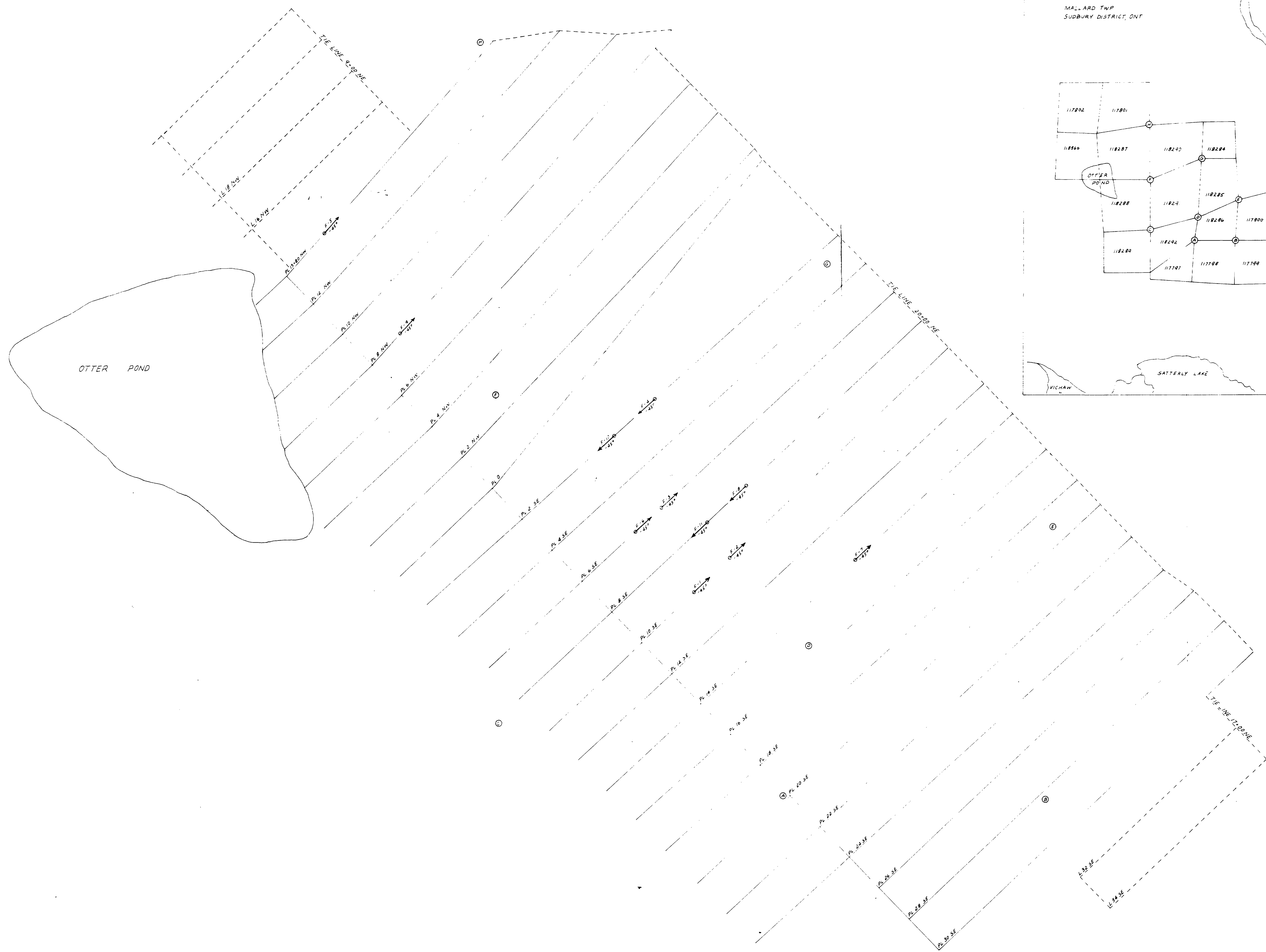
<u>From</u>	<u>To</u>	<u>Description</u>
	feet	
349.0		End of hole.

Drilling performed by Morissette Diamond Drilling Company,  
Haileybury, Ontario, March, 1963.

*Hugh Jones*

Noranda, Quebec  
June 4th, 1963.

Hugh Jones.



D.D. REPORT # 10  
MALLARD TOWNSHIP

ANACONDA AMERICAN BRASS LIMITED  
EXPLORATION DIVISION

MALLARD TOWNSHIP  
SUDBURY DISTRICT, ONT.

DDH. LOCATIONS

June, 1963 1 in = 200 ft Drawn by MJ

