



52N02SE0050 23 UCHI LAKE

010

Diamond Drilling

Area of UCHI LAKE

Report N^o 23

Work performed by: Northgate Exploration

Claim N ^o	Hole N ^o	Footage	Date	Note
KRL 43554	N-1	421.8'	July/59	
	N-2	420.3'	July/59	
	N-3	535.0'	July/59	
	N-4	341.8'	July/59	
	N-5	685.0'	Aug/59	
	N-6	300.0'	Aug/59	
	N-7	254.0'	Aug/59	

Notes:

DIAMOND DRILL RECORD

PROPERTY NORTHGATE EXPLORATION LTD.
Uchi Lake, Ontario HOLE NO. N-1

SHEET NUMBER 1 of 2 SECTION FROM _____ TO _____ STARTED July 1, 1959.
 LATITUDE _____ DATUM _____ COMPLETED July 10, 1959
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH 421.8
 ELEVATION _____ DIP Start 50° average 49° PROPOSED DEPTH _____

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
0-33	Casing				
33-92.5	Mainly a basic lava with short patches of a fragmental paralleling the core, at intermittent sections.				
92.5-145.0	Amygdaloidal lava with many stringers of epidote.				
145.0-189.0	A more uniform amygdaloidal lava with less stringers of epidote and more amygdulas.				
189.0-249.6	A uniform basic lava med. grn'd 189-196.5 is slightly sheared, and there is a little pyrite				
249.6-289.5	Dark fine grn'd basic lava, possibly a dyke.				
289.5-310	An intermediate fragmental which shows bedding at approx. 50°				
310-360	Diorite - med grn'd. the top contact is sharp but 355-360 is rather vague.				
360-369	A basic lava which is flecked with many lath-like crystals of feldspar.				
369-373.8	A more uniform lava.				
373.8-400.5	Vein matter				
	373.8-375.0 milky quartz with a little mineralization.	301	373.0-373.6	Tr	
		302	373.6-374.7	.28	

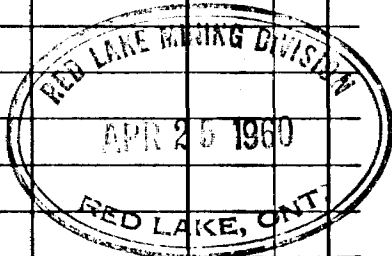


DIAMOND DRILL RECORD

PROPERTY Uchi Lake, Ontario HOLE NO. N-1

SHEET NUMBER 2 of 2 SECTION FROM _____ TO _____ STARTED July 1, 1959
 LATITUDE _____ DATUM _____ COMPLETED July 10, 1959
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH 421.8
 ELEVATION _____ DIP _____ PROPOSED DEPTH _____

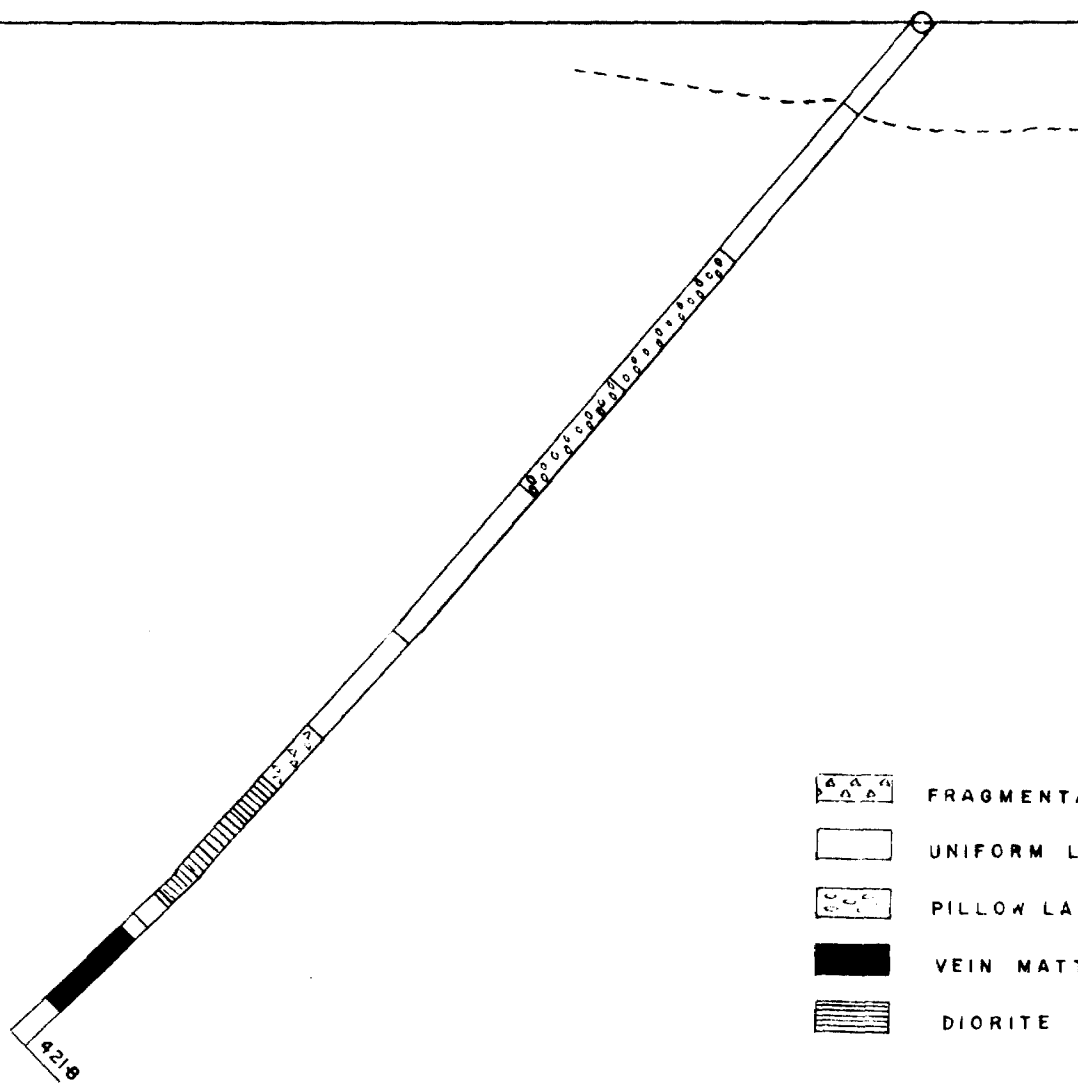
DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD g	SLUDGE GOLD g		
	375.0-376.0 Mainly quartz stringers with the sericite.	303	374.7-376		.16		
	376.0-376.8 Milky quartz with pyrite and a small amount of V. G.	304	376-376.9		.80		
		305	376.9-378.9		.02		
	376.8-400.5 Mainly the sericite and quartz stringers. At 380 there is a 2" band of quartz, but little mineralization	306	378.9-380		Tr		
		307	395-397		Tr		
		308	397-399.5		Tr		
		309	399.5-400.7		.02		
		310	380-383		Tr		
		311	383-385.6		Tr		
400.5-421.8	Uniform basic lava - but many stringers of quartz.	312	385.6-388.3		Tr		
		313	388.3-391		Tr		
	421.8 END OF HOLE	314	391-393		Tr		
		315	393-395		Tr		








Don S. Morra

DRILLED BY

SIGNED



-  FRAGMENTAL
-  UNIFORM LAVA
-  PILLOW LAVA
-  VEIN MATTER
-  DIORITE

NORTHGATE EXPLORATION LIMITED
 DIAMOND DRILL HOLE N-1
 UCHI LAKE PROPERTY
 SCALE 1" = 60'
 SEPTEMBER 4, 1959. DRAWN BY V.M.

DIAMOND DRILL RECORD

NORTHGATE EXPLORATION LIMITED

PROPERTY

Uchi Lake Ontario

HOLE NO. N-2

SHEET NUMBER 1 of 2

SECTION FROM _____ TO _____

STARTED July 12, 1959.

LATITUDE _____

DATUM _____

COMPLETED July 17, 1959

DEPARTURE _____

BEARING _____

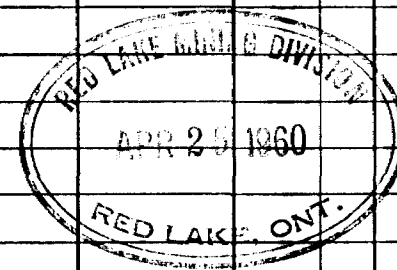
ULTIMATE DEPTH 420.3

ELEVATION _____

DIP Start 45° Average 43°

PROPOSED DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$		
0-30	Casing						
30-118.6	A fine grn'd basic lava, cherty in intermittent sections						
118.6-121.0	A basic fragmental.						
121.0-131.5	This is predon. a transitional stage with much epidote, a little quartz and minor pyrite.						
131.5-188.5	Amygdaloidal lava with many amygdules						
	176.8-177.4 is slightly sheared.						
	187.5-188.4 contains many fine specks of pyrite						
188.5-257.5	A uniform basic lava with some minor well formed cubes of pyrite.						
257.6-284.5	A basic to inte med fragmental with the fragments being larger toward the bottom. A small amount of pyrite, minor biotite and possibly some tourmaline.						
284.5-323.0	Diorite with minor epidote stringers at the start						
323.0-348.0	Dark, med. grained intermed--basic lava or could possibly be the edge of the diorite.						
348.0-375.2	A Rhyolitic lava with some short bands of pure quartz.						

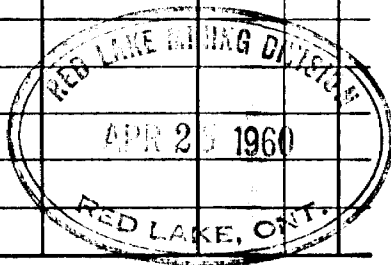


DIAMOND DRILL RECORD

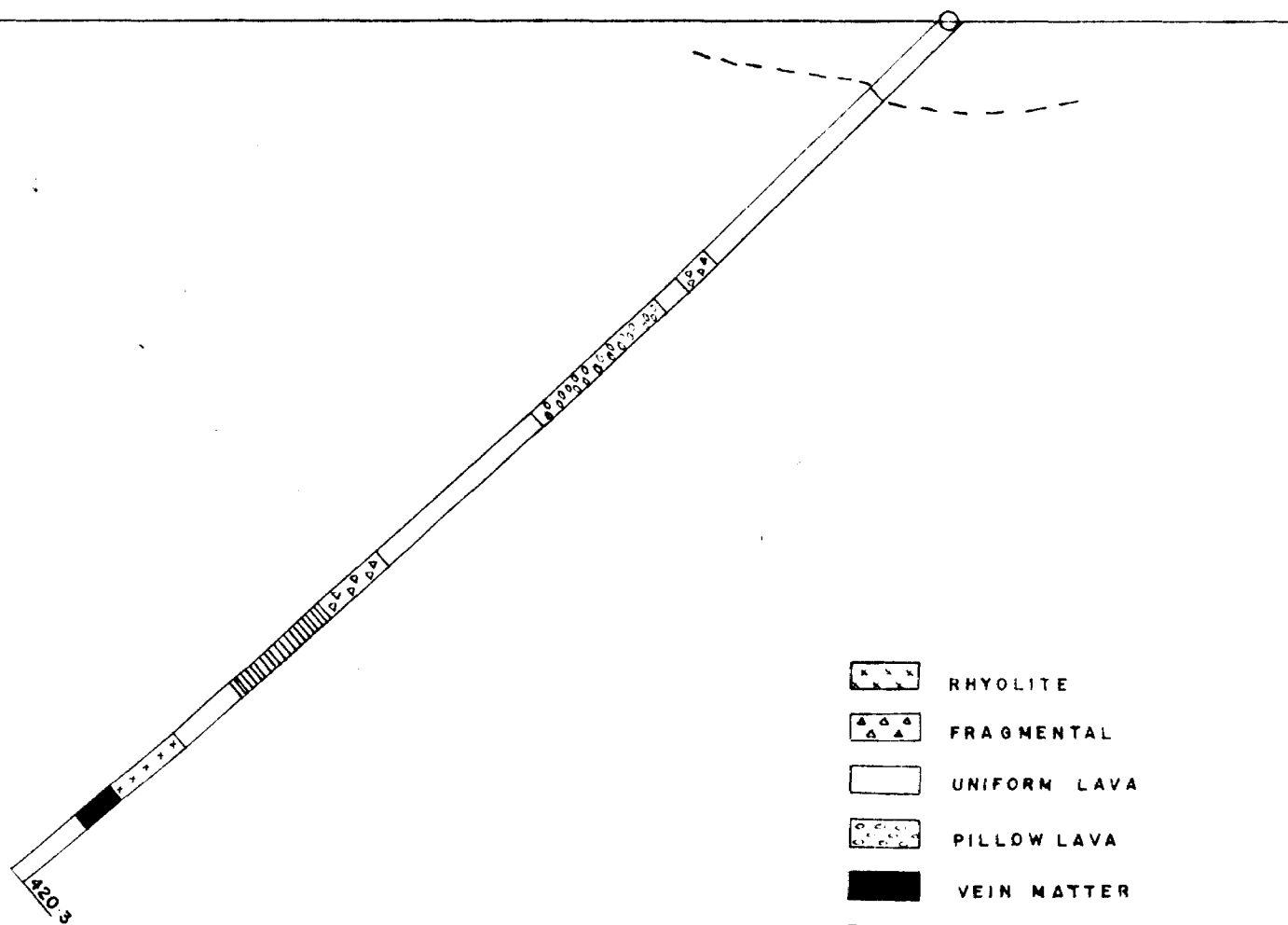
PROPERTY Uchi Lake Ontario HOLE NO. N-2







SHEET NUMBER 2 of 2 SECTION FROM _____ TO _____ STARTED July 12, 1959.
 LATITUDE _____ DATUM _____ COMPLETED July 17, 1959.
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH 420.3
 ELEVATION _____ DIP _____ PROPOSED DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
375.2-390.6	<u>Vein matter</u>	316	375-377.6		Tr
	Quartz stringers in the sericite, and	317	377.6-380.5		Tr
	only short intermit. patches of quartz.	318	380.5-383		Tr
	Considerable amount of pyrite and tiny	319	383-385.3		Tr
	specks of V. G. at 380.5-383.0	320	385.3-387.4		.01
		321	387.4-389.0		.01
		322	389.0-390.6		Tr
396.0-420.3	<u>A basic lava- slightly carbonated a small amount of pyrite and considerable quartz stringers</u>				
	420.3 END OF HOLE				



DRILLED BY _____ SIGNED Don S. Morra



-  RHYOLITE
-  FRAGMENTAL
-  UNIFORM LAVA
-  PILLOW LAVA
-  VEIN MATTER
-  DIORITE

NORTHGATE EXPLORATION LIMITED

DIAMOND DRILL HOLE N-2

UCHI LAKE PROPERTY

SCALE 1" = 60'

SEPTEMBER 4, 1959.

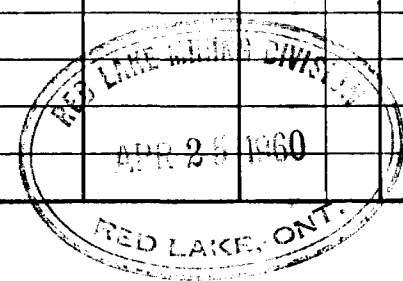
DRAWN BY V.M.

DIAMOND DRILL RECORD

PROPERTY NORTHGATE EXPLORATION LIMITED HOLE NO. N-3
Uchi Lake, Ontario.

SHEET NUMBER 1 of 3 SECTION FROM _____ TO _____ STARTED July 19, 1959
 LATITUDE _____ DATUM _____ COMPLETED July 29, 1959.
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH 535.0 ft.
 ELEVATION _____ DIP Start 45° Av. 42° PROPOSED DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
0-19	Casing				
19-115	Avery green, hard, fine grn'd frag. flow top with minor epidote. At 65 ft. there is a small amount of olivine.				
115.0-124.3	A much darker fine grn'd basic lava, possibly a dyke, - contains a little biotite and pyrite				
	116.8-117.8 a section mainly quartz with black stringers and crystals of tourmaline - minor pyrite				
124.3-226.49	Similar lava as 19 - 115				
226.4-238.7	Appears to be a transitional stage, with much epidote and minor quartz stringers.				
238.7-245.7	A uniform pillow lava with few amygdules				
245.7-260.5	An intermed, to basic fragmental containing a little pyrite and pyrrhotite, shows bedding at 50°-55° to the core axis.				
260.5-270.4	An amygdaloidal lava, quite uniform				
270.4-321.8	A uniform basic lava with minor quartz stringers.				
321.8-326.8	Dark fine grn'd section of "trap"				
326.8-378.4	Uniform lava med. grn'd.				



DRILLED BY

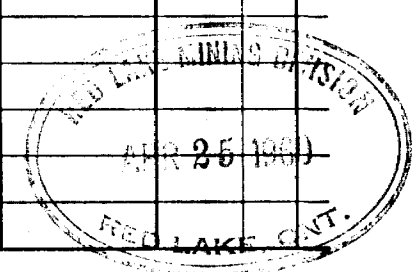
SIGNED

DIAMOND DRILL RECORD

PROPERTY Uchi Lake, Ontario HOLE NO. N-3

SHEET NUMBER 2 of 3 SECTION FROM _____ TO _____ STARTED July 19, 1959.
 LATITUDE _____ DATUM _____ COMPLETED July 29, 1959.
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH 535.0
 ELEVATION _____ DIP _____ PROPOSED DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
378.4-389.0	An intermed. fragmental with the fragments being larger toward the bottom, this frag. also shows bedding at approx. 55°				
389.0-395.3	A more basic fragmental				
395.3-396.7	Appears to be a small mica schist?				
396.7-398.0	A uniform lava; med. grn'd w. a slight shear				
398.0-444.2	Diorite, med. to coarse grn'd, considerably large crystals of hornblende.				
444.2-450.1	Possible a dolerite med. grn and many laths of feldspar.				
450.1-461.6	A basic fragmental considerably fine grn'd with a slight shear	323	460.6-61.6 1.0	.03	
461.6-462.8	A section of milky quartz	324	461.6-62.8 1.2	.11	
462.8-473.7	Mainly a dark rhyolite lava with considerable quartz and pyrite	325	462.8-65.0 2.2	.03	
		326	465.0-68.7 3.7	Tr	
		327	468.7-72.7 4.0	.03	
473.7-480.0	Vein matter - sericite with quartz stringers and minor pyrite	328	472.7-74.6 1.9	.07	
		329	474.6-476.6 2.0	.11	



DRILLED BY

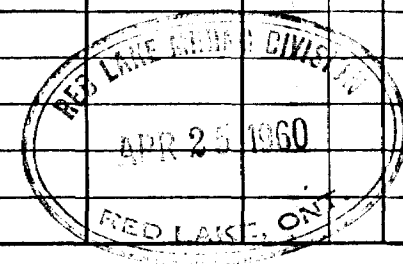
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DIAMOND DRILL RECORD

PROPERTY Uchi Lake, Ontario HOLE NO. N-3

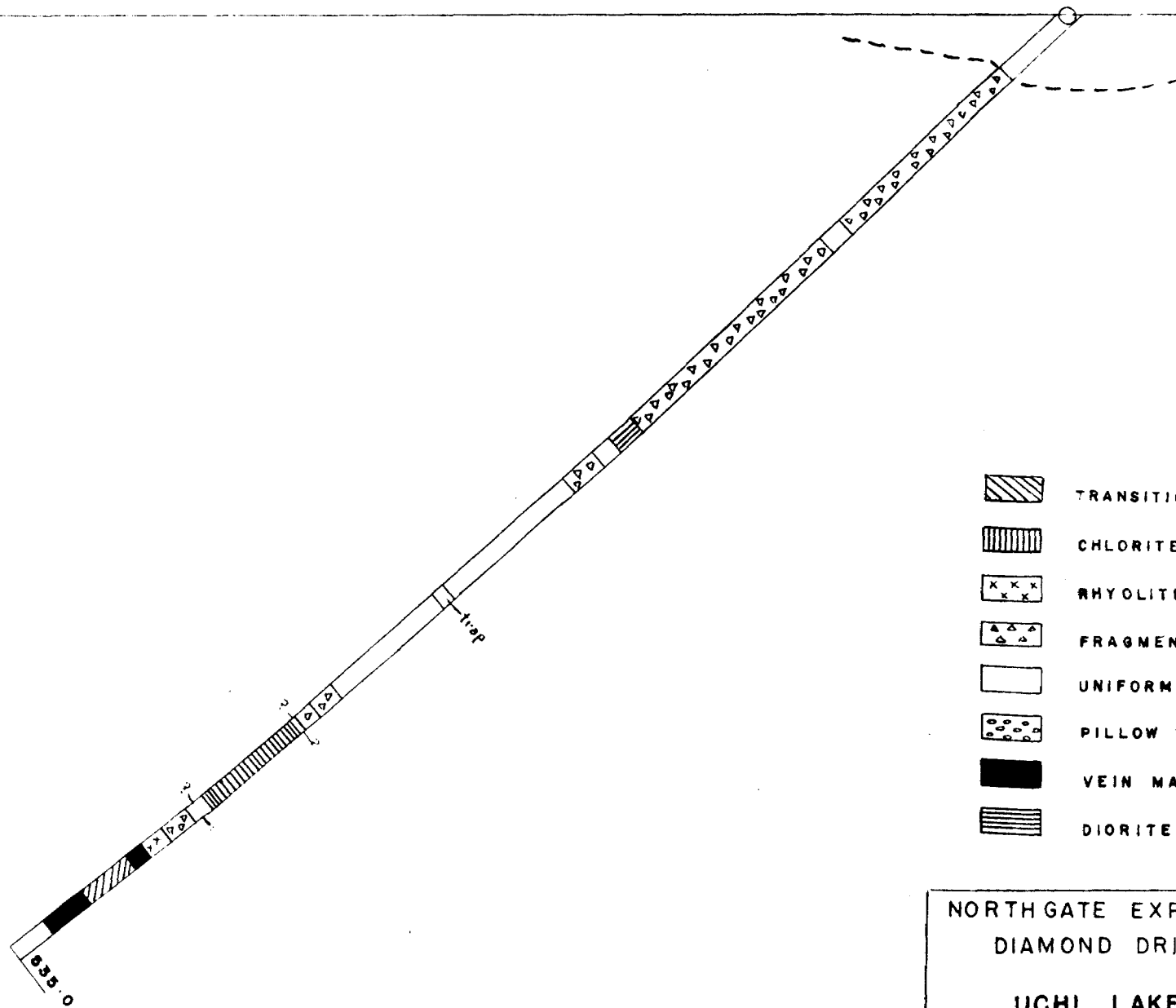
SHEET NUMBER 3 of 3 SECTION FROM _____ TO _____ STARTED July 19, 1959.
 LATITUDE _____ DATUM _____ COMPLETED July 20, 1959.
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH 535.0
 ELEVATION _____ DIP _____ PROPOSED DEPTH _____









DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
480/0-502.4	Appears to be a chlorite schist highly carbonated.				
502.4-520.5	Vein matter - considerable quartz stringers in the sericite minor mineralization	330	476.6-479.0	2.4	Tr
520.5-535.0	A dark fine grn'd basic lava with minor quartz stringers	331	479.0-480.5	1.5	Tr
		332	501.7-505.5	3.8	19
		333	505.5-506.9	1.4	Tr
	535.0 END OF HOLE	334	506.9-509.2	2.3	Tr
		335	509.2-511.5	2.3	Tr
		336	511.5-515.0	3.5	Nil
		337	515.0-508.3	3.3	Tr
		338	518.3-520.8	2.5	Tr



DRILLED BY

SIGNED



-  TRANSITION
-  CHLORITE SCHIST
-  RHYOLITE
-  FRAGMENTAL
-  UNIFORM LAVA
-  PILLOW LAVA
-  VEIN MATTER
-  DIORITE

NORTHGATE EXPLORATION LIMITED
DIAMOND DRILL HOLE N-3

UCHI LAKE PROPERTY

SCALE 1" = 50'

SEPTEMBER 4, 1959.

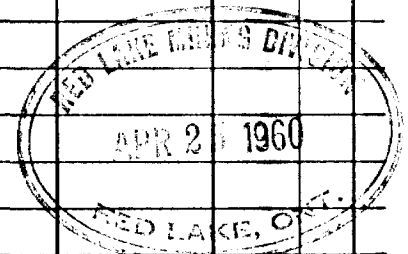
DRAWN BY V.M.

DIAMOND DRILL RECORD

PROPERTY NORTHGATE EXPLORATION LIMITED HOLE NO. N-4
Uchi Lake, Ontario

SHEET NUMBER 1 of 3 SECTION FROM _____ TO _____ STARTED July 30, 1959.
 LATITUDE _____ DATUM _____ COMPLETED August 2, 1959.
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH 341.8
 ELEVATION _____ DIP Start 50° Av. 46° PROPOSED DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
0- 18	Casing				
18.0-23.7	A flow top basic lava with a short section of quartz 20.0-20.8				
23.7-71.0	Pillow lava with few amygdules and considerable epidote, some short epidote sections with small "quartz eyes". More amygdules and less epidote, toward the end.				
71.0-75.4	Uniform lava, slightly carbonated				
75.4-109.0	Predom. amygdaloidal lava, 85.9-90.2 a very dark fine grn'd lava				
	105-107 appears to be a granitized section				
	coarse grn'd, with quartz and biotite, minor pyrite.				
109.0-162.3	An intermed. lava med. grn'd flecked with minor biotite and feldspar.				
162.3-184.5	Intermed. fragmental shows bedding at approx. 55°				
	182.5-183.2 a dark fine grn'd section of "trap"				
	some larger cherty fragments in a more basic frag. toward the end.				
184.5-241.0	Diorite, 190-190.9 a section of glassy quartz				
	the outer edge of the diorite, 234-241 is a little vague.				



DIAMOND DRILL RECORD

PROPERTY Uchi Lake, Ontario

HOLE NO. N-4

SHEET NUMBER 2 of 3

SECTION FROM _____ TO _____

STARTED July 30, 1959

LATITUDE _____

DATUM _____

COMPLETED August 2, 1959

DEPARTURE _____

BEARING _____

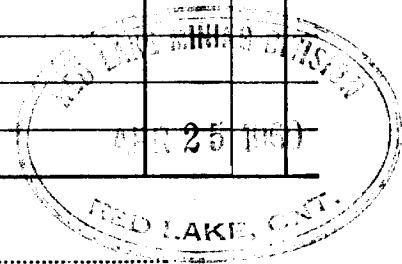
ULTIMATE DEPTH _____

ELEVATION _____

DIP _____

PROPOSED DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$			
241.0-253.6	Appears to be a doleritic lava - flecked with lathe of feldspar - possible outer edge of the diorite							
253.6-256.6	A slightly carbonated chlorite schist.							
256.6-260.0	Uniform lava with a slight shear and also appearance of being carbonated as schist above.							
260.0-262.7	A very dark med. to coarse grn'd basic lava - possible a dyke contains many well formed cubes of pyrite	339	261.8-62.7	0.9	.08			
262.7-265.4	Vein quartz with considerable min'lis'n	340	262.7-65.4	0.7	.28	.04		
265.4-266.5	Quartz and sericite parting fair mineralization	341	265.4-66.6	1.2	.06	.09		
266.5-270.1	Basic lava similar to 260-262.7	342	266.6-273.7	3.5	Tr			
270.1-272.8	Predom. quartz and sericite minor mineralization	343	270.1-72.6	2.5	.10	.09		
272.8-273.8	Milky quartz with minor mineralization	344	272.6-73.7	1.1	.02	.06		
273.8-277.8	Mainly sericite with minor quartz and mineralization	345	273.7-77.8	4.1	.04	.08		
		346	277.8-80.2	2.4	.16	.40		
277.8-282.1	Predom quartz with some short patches of sericite a little less min. than the above sections	347	280.2-282.1	1.9	Tr			



DIAMOND DRILL RECORD

PROPERTY Uchi Lake, Ontario HOLE NO. N-4

SHEET NUMBER 3 of 3 SECTION FROM _____ TO _____ STARTED _____

LATITUDE _____ DATUM _____ COMPLETED _____

DEPARTURE _____ BEARING _____ ULTIMATE DEPTH 341.8

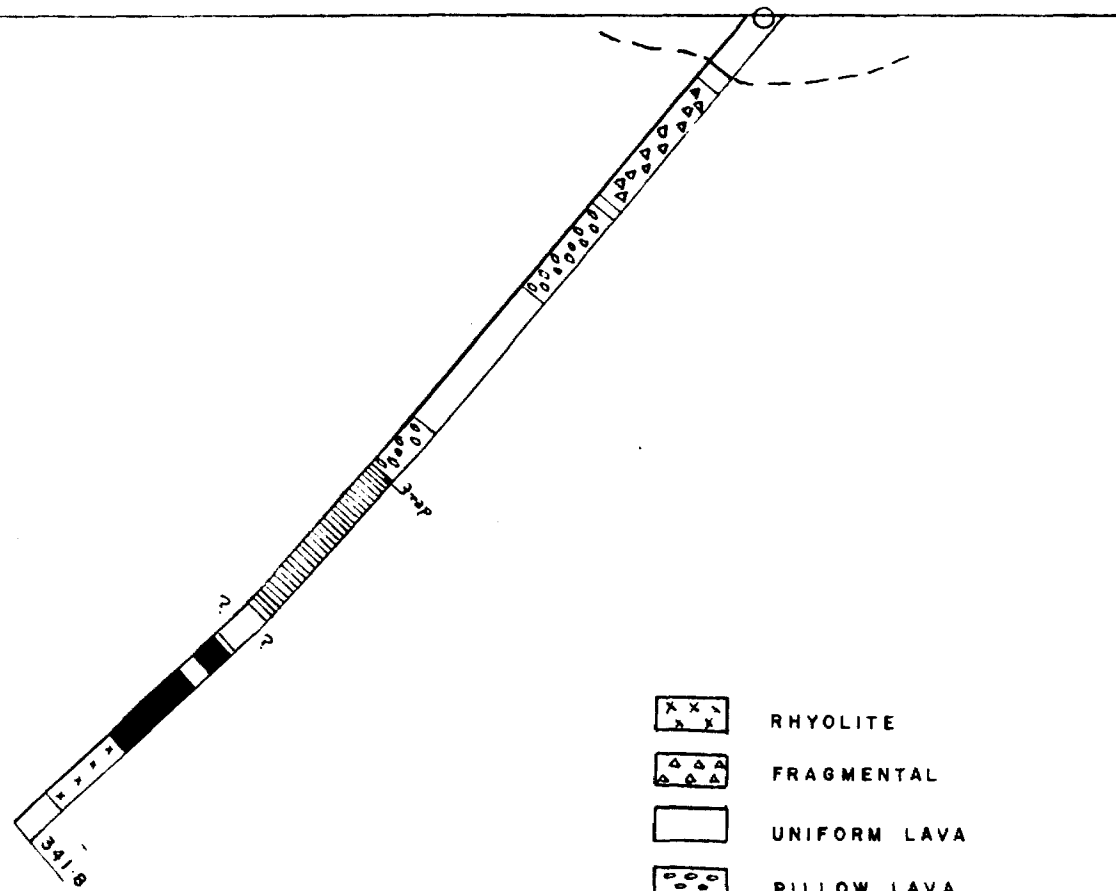
ELEVATION _____ DIP _____ PROPOSED DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
282.1-300.0	Mainly sericite with minor quartz and mineralization	348	282.1-285.2 3.1	Tr	
		349	285.2-288.6 3.4	.04	
300.0-327.0	Appears to be grading into a rhyolitic lava with a slight shear	350	288.6-291.4 2.8	.04	
		351	291.4-295.7 4.3	.05	
327.0-341.8	A more uniform lava slightly carbonated. Pyrite stringers in section				
	327-330				
	341.8 END OF HOLE.				



DRILLED BY

SIGNED



RHYOLITE



FRAGMENTAL



UNIFORM LAVA



PILLOW LAVA



VEIN MATTER



DIORITE

NORTHGATE EXPLORATION LIMITED
DIAMOND DRILL HOLE N-4

UCHI LAKE PROPERTY

SCALE 1" = 60'

SEPTEMBER 8, 1959.

DRAWN BY V.M.

DIAMOND DRILL RECORD

NORTHGATE EXPLORATION LIMITED

PROPERTY

Uchi Lake, Ontario.

HOLE NO. N-5

SHEET NUMBER 1 of 2

SECTION FROM _____ TO _____

STARTED Aug. 4, 1959

LATITUDE _____

DATUM _____

COMPLETED Aug. 16, 1959

DEPARTURE _____

BEARING _____

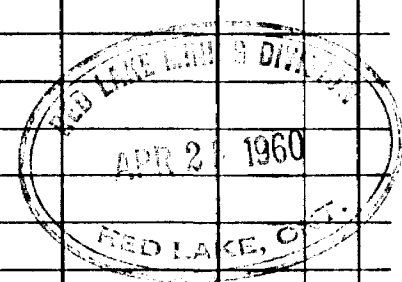
ULTIMATE DEPTH _____

ELEVATION _____

DIP Start 58° Av. 51°

PROPOSED DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
0 - 10	Casing				
10-265.0	Med. grn'd, intermed. fragmental flow top with minor pyrite.				
265.0-285.0	Transition with many epidote stringers appears a gradational change into the pillow lava				
285.0-345.0	Amygdaloidal pillow lava with considerable epidote fragments and minor pyrite				
345.0-354.2	A fragmental intermediate composition small fragments and minor pyrite.				
354.2-422.4	Predom amygdaloidal pillow lava with some short sections containing minor pyrite, at 370.5 there is a 6 inch band of glassy quartz. From 394.7 onward there are more amygdules and less epidote stringers.				
422.4-516.1	A gradational change into a uniform lava med to fine grn'd. 470-475 the core was ground. 475.0-516.1 the lava becomes a little more acidid, a little coarser grn'd at 503.0-516.1				
516.1-533.0	Fragmental - -516.1-521.9 intermed. fragmental 521.9 - onward is more acidic. At 431.2 there is an 8" band of dark med. grn'd lava possibly a Nyke.				

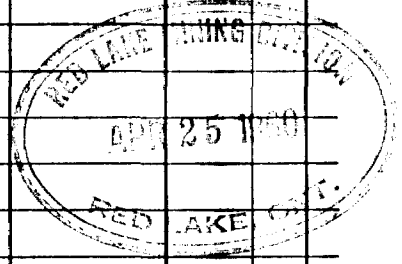


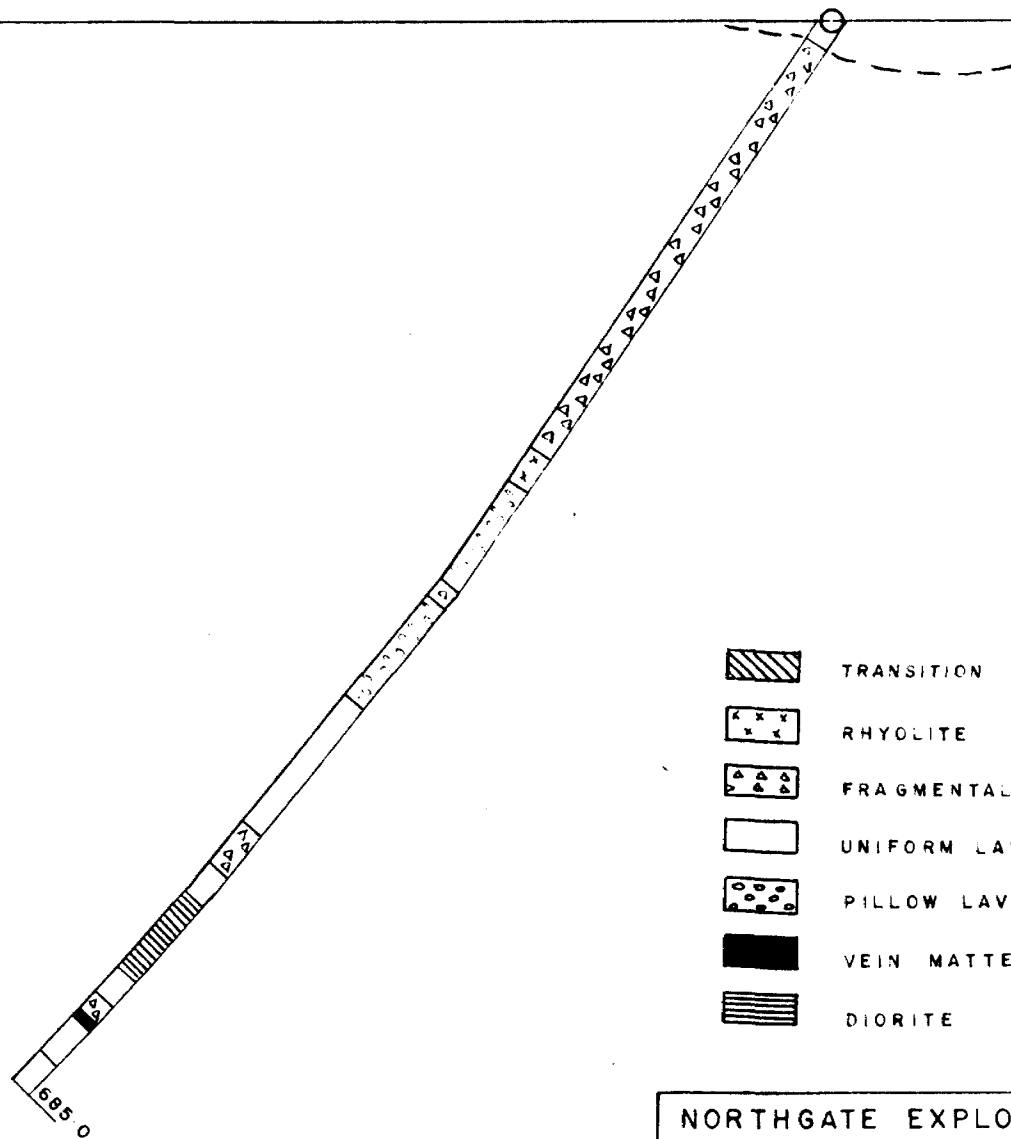
DIAMOND DRILL RECORD








PROPERTY Uchi Lake, Ontario. HOLE NO. N-5

SHEET NUMBER 2 of 2 SECTION FROM _____ TO _____ STARTED _____
 LATITUDE _____ DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____
 ELEVATION _____ DIP _____ PROPOSED DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$			
516.1-553.0	543.3-545.8 is a dark lava similar to the 8" band at 431.2. The two sections of dark lava have definite contacts giving the appearance of dykes.							
533.0-611.0	Diorite 533-570 a med. grn'd with small crystals of hornblende 570-611 the more apparent diorite med to coarse grn'd with larger hornblende crystals.							
611.0-623.8	A basic lava flecked with laths of feldspar possibly the outer edge of diorite.							
623.8-635.0	An intermed fragmental, small fragments and a slight shear							
635.0-640.0	Vein matter	357	633.3-35.0	1.7	Tr.			
	635.0-636.1 sheared sericite with	358	635.0-36.1	1.1	.02			
	minor quartz, little mineralization	359	636.1-637.1	1.0	.52			
	636.1-638.4 Milky quartz with sericite	360	637.1-638.3	1.2	.30			
	pyrite porphyry parting -- 4 specks of	361	638.3-640.0	1.7	Tr			
	V. G. at 636.8	362	640.0-642.8	2.8	nil			
640.0-665.0	Predom sheared sericite with little to no visible min., little quartz.	363	642.8-645.0	2.2	nil			
		364	645.0-648.0	3.0	nil			
665.0-685	Basic lava quite uniform, slight shear.							





-  TRANSITION
-  RHYOLITE
-  FRAGMENTAL
-  UNIFORM LAVA
-  PILLOW LAVA
-  VEIN MATTER
-  DIORITE

NORTHGATE EXPLORATION LIMITED
DIAMOND DRILL HOLE N-5

UCHI LAKE PROPERTY

SCALE 1" = 100'

SEPTEMBER 8, 1959.

DRAWN BY V.M

DIAMOND DRILL RECORD

PROPERTY

NORTHGATE EXPLORATION LIMITED

HOLE NO. N-6

Uchi Lake Ontario.

SHEET NUMBER 1 of 2

SECTION FROM _____ TO _____

STARTED Aug. 18, 1959.

LATITUDE _____

DATUM _____

COMPLETED Aug. 22, 1959.

DEPARTURE _____

BEARING _____

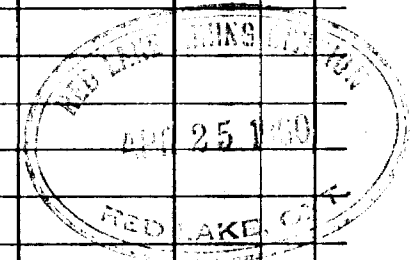
ULTIMATE DEPTH 300.0

ELEVATION _____

DIP Start 45° Av. 42°

PROPOSED DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
0- 22	Casing				
22-30	Pillow lava, minor quartz stringers and considerable epidote, few amygdules.				
30-58	A more uniform pillow lava.				
58.0-110.6	Amygdaloidal lava with less epidote and more amygdules.				
110.6-161.7	Uniform - green, lava med. grn'd and intermittently flecked with minor biotite.				
161.7-188.2	Intermed. fragmental with a bedding appearance at approx. 55°				
188.2-193.8	Uniform lava med. grn'd.				
193.8-238.4	Diorite with considerably large hornblende crystals.				
238.4-246.8	Lava - flecked with laths of feldspar and of med grn. -- Possibly the outer edge of the diorite.				
246.8-256.4	Intermed. fragmental with a slight shear minor quartz and biotite. Appears slightly rhyolitic				
256.4-257.8	Vein Matter				
	Predominantly appears to be a silicified basic lava with intermittent patches	365	253.6-55.4	1.8	Tr.
	of quartz. The basic	366	255.4-56.5	1.1	.05

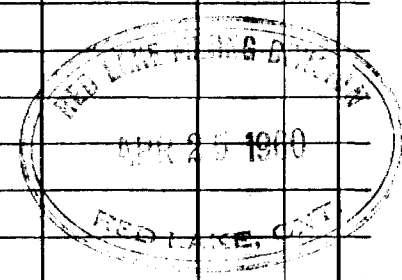


DIAMOND DRILL RECORD

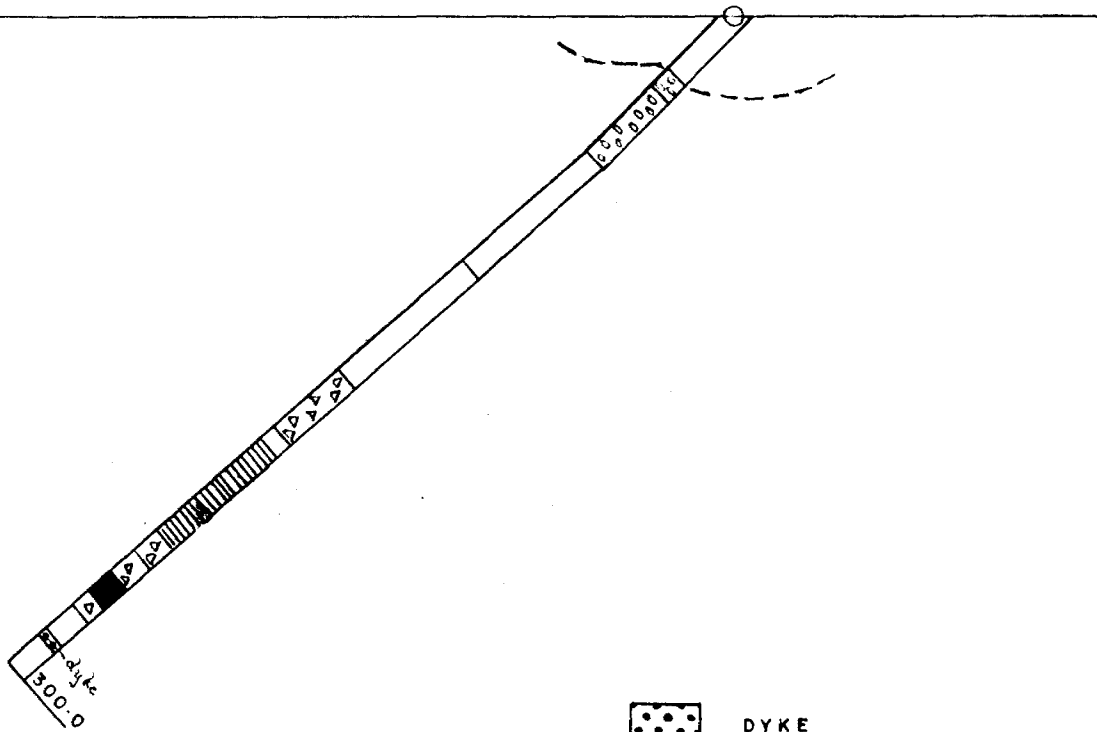
PROPERTY Uchi Lake, Ontario HOLE NO. N-6







SHEET NUMBER 2 of 2 SECTION FROM _____ TO _____ STARTED _____
 LATITUDE _____ DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____
 ELEVATION _____ DIP _____ PROPOSED DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD g	SLUDGE GOLD g		
256.4-257.8	Lava is sheared. Minor mineralization mainly chalcopryrite and pyrite	367	256.5-57.9 1.4	.25			
		368	257.9-60.0 2.1	Tr			
		369	260.0-61.4 1.4	Tr			
257.8-261.2	Similar to above with a little more quartz	370	261.4-63.3 1.9	hd			
		371	263.3-65.3 2.0	Tr			
261.2-261.8	A short med. grn'd, acidicyke	372	265.3-66.4 1.1	Tr			
261.8-265.2	Similar to section 256.4-257.8						
265.2-272.2	Intermed. to basic frag. a slight shear						
272.2-283.0	Uniform lava highly carbonated, minor pyrite in intermittent sections.						
283.0-286.8	Pronounced contact of a med. grn'd lava appears to be a possible dyke						
286.8-300.0	Carbonated lava similar to 272.2-283.0						
	300.0 END OF HOLE						



DRILLED BY SIGNED



-  DYKE
-  FRAGMENTAL
-  UNIFORM LAVA
-  PILLOW LAVA
-  VEIN MATTER
-  DIORITE

NORTHGATE EXPLORATION LIMITED
DIAMOND DRILL HOLE N-6

UCHI LAKE PROPERTY

SCALE 1" = 60'

SEPTEMBER 8, 1959.

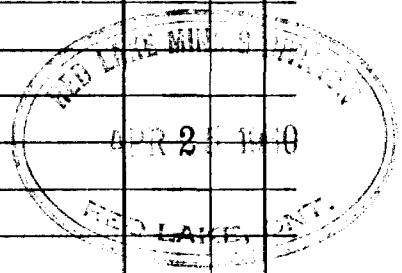
DRAWN BY V.M.

DIAMOND DRILL RECORD

PROPERTY NORTHGATE EXPLORATION LIMITED HOLE NO. N-7
Uchi Lake, Ontario

SHEET NUMBER _____ SECTION FROM _____ TO _____ STARTED Aug. 23, 1959
 LATITUDE _____ DATUM _____ COMPLETED Aug. 25, 1959.
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH 254.0'
 ELEVATION _____ DIP Start 50° Av. 4 PROPOSED DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD g	SLUDGE GOLD g
0- 10	Casing				
10-22.8	Appears to be a transitional stage with minor epidote stringers.				
22.8-41.2	Med. to fine grn'd lava with a little epidote.				
41.2-84.3	Uniform lava med. grn'd with a small amount of biotite in intermittent sections.				
84.3-107.0	Intermed to acidic fragmental with considerably large fragments. Shows bedding at 45°-50° 96.0-107.0 becomes a little more basic.				
107.0-113.2	Uniform lava med. grn'd with minor epidote stringers.				
113.2-165.8	Diorite with considerably large hornblende crystals at 144.5 there is a 1.2' section of quartz.				
165.8-184.3	Lava flecked with laths of feldspar- possibly the outer edge of the diorite				
184.3-187.3	Vein quartz with some thin specks of V. G. in the sericite parting, one speck of galena	373	182.0-84.3 2.3	.16	
		374	184.3-85.8 1.5	.50	
187.3-202.4	Predom. a rhyolitic lava with minor pyrite.	375	185.8-87.3 1.5	.30	
		376	187.3-190.0 3.6	.03	
		377	190.9-194.1 3.2 3.2	.02	



DRILLED BY

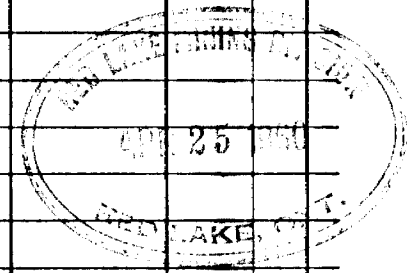
SIGNED

DIAMOND DRILL RECORD

PROPERTY Uchi Lake, Ontario HOLE NO. N-7

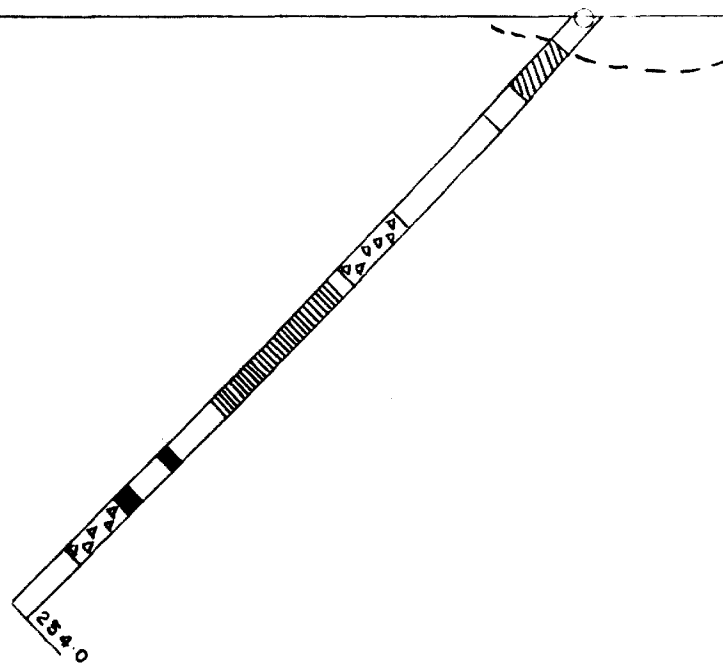
SHEET NUMBER 2 of 2 SECTION FROM _____ TO _____ STARTED _____
 LATITUDE _____ DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____
 ELEVATION _____ DIP _____ PROPOSED DEPTH _____







DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD g	SLUGS GOLD g		
202.4-207.0	Glassy quartz with a small amount of pyrite and wall-rock inclusions	378	194.1-197.0	2.9	.01		
		379	197.0-200.0	3.0	.01		
		380	200.0-202.5	2.5	.04		
207.0-229.0	Appears to be a basic fragmental partially silicified with a slight shear minor mineralization	381	202.5-205.0	2.5	.04		
		382	205.0-207.0	2.0	.06		
		383	207.0-210.0	3.0	.06		
		384	210.0-213.5	3.5	.02		
229.0-254.0	Uniform basic lava with minor quartz stringers	385	213.5-216.6	3.1	.02		
254.0	END OF HOLE						



DRILLED BY

SIGNED



-  RHYOLITE
-  FRAGMENTAL
-  UNIFORM LAVA
-  TRANSITION
-  VEIN MATTER
-  DIORITE

NORTHGATE EXPLORATION LIMITED
DIAMOND DRILL HOLE N-7

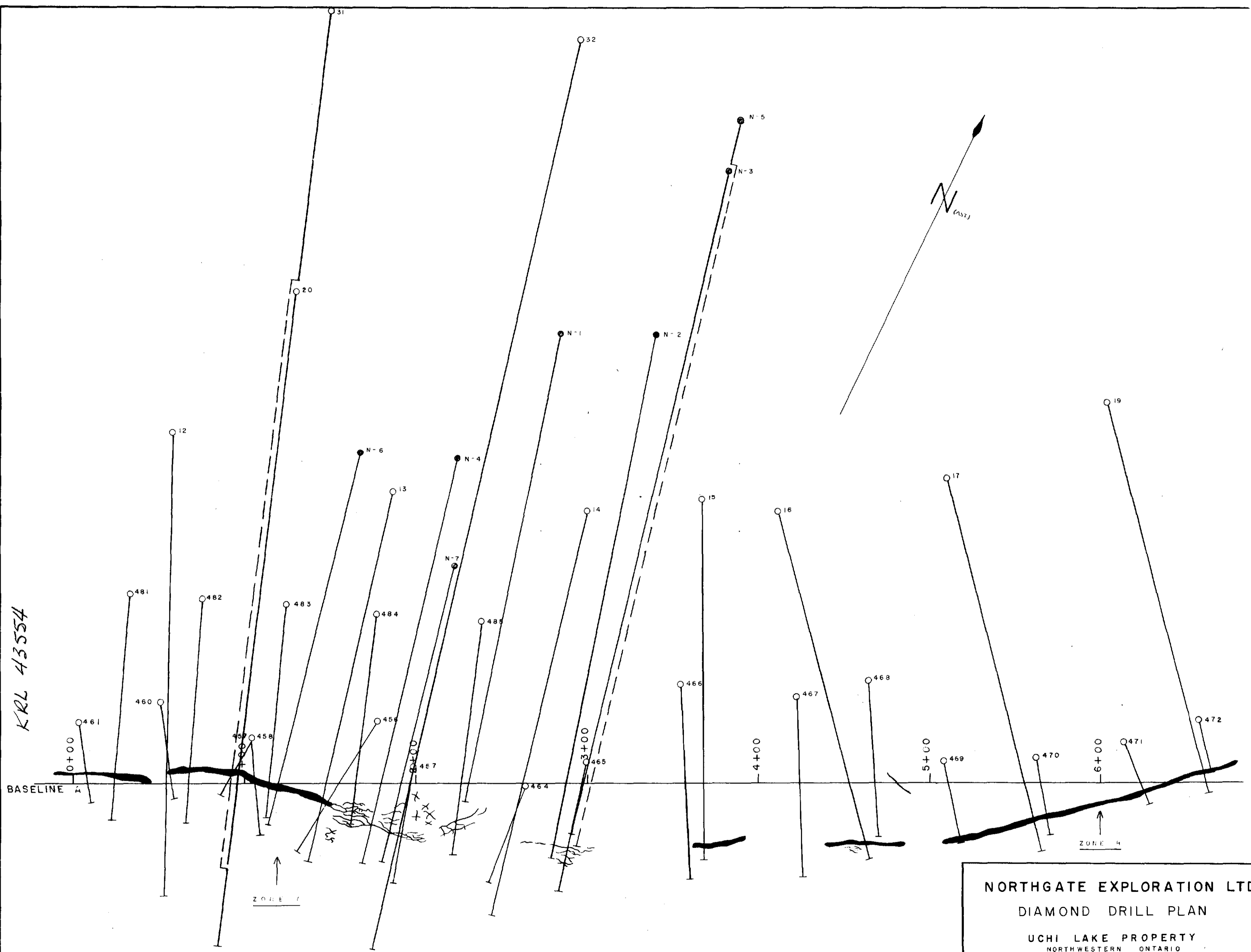
UCHI LAKE PROPERTY

SCALE 1" = 60'

SEPTEMBER 8, 1959

DRAWN BY V M

EARNLEY TWP
KRL 43554



NORTHGATE EXPLORATION LTD.
DIAMOND DRILL PLAN
UCHI LAKE PROPERTY
NORTHWESTERN ONTARIO
SCALE 1" = 40'
DATE - AUGUST 13, 1959. DRAWN BY V.M.

