



4116NW0039 0010C1 AFTON

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**Diamond Drilling**

Township OF AFTON

Report NO: 18

Work performed by: MORISSETTE DIAMOND DRILLING LIMITED

Claim NO	Hole NO	Footage	Date	Note
S 50389	5 <hr/> 1	378' <hr/> 378	June/48	

Notes:



THE MINING ACT - DEPARTMENT OF MINES  
DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each hole.

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HOLE NO. 5 PAGE NO. 1

DRILLING COMPANY		COLLAR ELEVATION 1172.1	BEARING OF HOLE FROM TRUE NORTH	TOTAL FOOTAGE	DIP OF HOLE AT collar	LOG SHEET NO.	REFERENCE NO.	CLAIM NO.	
DATE HOLE STARTED June 3, 1948	DATE COMPLETED June 8, 1948	DATE LOGGED	LOGGED BY		ft	PROPERTY NAME			
EXPLORATION CO., OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY (Signature)		ft				
				ft					
				ft					

FOOTAGE FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	PLANAR FEATURE ANGLE	CORE SPECIMEN FOOTAGE	YOUR SAMPLE NUMBER	SAMPLE FOOTAGE		SAMPLE LENGTH	Analysis Gold	
							FROM	TO			
			Casing				0.0	5.0			
			Diabase				5.0				
50	5.0-27.0		medium coarse grained				26.6	28.5		Trace	
	27.0-32.5		pegmatitic phase of diabase, pink in color, 70% feldspar. Phenocrysts of feldspar and hornblende, contacts gradational				28.5	31.0		Trace	
							31.0	32.5		Trace	
100	32.5-37.5		fine grained phase								
	37.5-86.0		medium coarse grained								
	86.0-92.0		pegmatitic as above; 70% feldspar, white in color; the odd speck of pyrite				86.2	88.0		Trace	
	92.0-94.7		medium coarse diabase				88.0	90.0		Trace	
150	94.7-97.0		pegmatitic as above; 1/2" chalcopyrite at 95.5				90.0	92.5		Trace	
	97.0-104.0		medium coarse diabase				95.0	97.0		Trace	
	104.0-105.0		fine grained diabase								
	105.0-105.3		pegmatitic phase								
	105.3-150.5		medium coarse diabase								
	150.5-152.0		fine grained diabase								
200	152.0-180.0		medium coarse diabase								
	180.0-188.0		fine grained phase								
	188.0-200.0		medium coarse								
	200.0-226.0		containing finer grained sections								
250	226.0-228.0		slightly sheared diabase, 75° to core								
			Lost core 228.0-228.9								
	228.9-230.2		white quartz, slightly vuggy				228.8	230.4		Trace	
300	230.2-231.0		fine grained, slightly sheared 75°								
	231.0-231.8		Lost core								
	231.8-233.5		dark green basic, slightly sheared patchy ribbons of quartz-carbonate								

\* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

+ Additional credit available. See Assessment Work Regulation

# DIAMOND DRILL HOLE No. 3 (5)

SHEET NO. 1

Location: Lat. 300' N 7° W of Hole No. 3.  
 Dep. \_\_\_\_\_  
 Elevation of Collar 1172.1  
 Datum Emerald Lake 1000'  
 Direction at Start: Bearing South 10° East  
 Dip Collar 65 300 68°

Started June 3, 1948  
 Completed June 8, 1948  
 Ultimate Depth 378'  
 Proposed Depth \_\_\_\_\_

## Afton Claims Area

DATE	FEET DRILLED	TOTAL DEPTH	SAMPLE		ANALYSIS	COMBINED ANALYSIS	REMARKS (LOG)	SECTION	DEPTH	COMMERCIAL SECTION NO.
			FROM	TO						
			0.0	0.0			Casing			
			5.0	5.0			Diabase			
			(26.6)	26.6	28.5 - (28.5)	Trace	5.0-27.0	medium coarse grained		
			(28.5)	28.5	31.0 - (31.0)	Trace	27.0-32.5	pegmatitic phase of diabase, pink in color, 70% feldspar. Phenocrysts of feldspar and hornblende, contacts gradational	50	
			(31.0)	31.0	32.5 - (32.5)	Trace				
			(86.2)	86.2	88.0 - (88.0)	Trace	32.5-37.5	fine grained phase		
			(88.0)	88.0	90.0 - (90.0)	Trace	37.5-86.0	medium coarse grained		
			(90.0)	90.0	92.5 - (92.5)	Trace	86.0-92.0	pegmatitic as above; 70% feldspar, white in color; the odd speck of pyrite	100	
			(95.0)	95.0	97.0 - (97.0)	Trace	92.0-94.7	medium coarse diabase		
							94.7-97.0	pegmatitic as above; 1/2" chalcopyrite at 96.5		
							97.0-104.0	medium coarse diabase	150	
							104.0-105.0	fine grained diabase		
							105.0-105.3	pegmatitic phase		
							105.3-150.5	medium coarse diabase		
							150.5-154.0	fine grained diabase		
							152.0-180.0	medium coarse diabase	200	
							177.0-180.0	fine grained phase		
							188.0-200.0	medium coarse		
							200.0-200.0	containing finer grained sections		
							228.0-228.0	slightly sheared diabase, 75° to core Lost core 228.0-228.9	250	
							228.0-230.2	white quartz, slightly waxy		
							230.2-231.0	fine grained, slightly sheared 75°		
							231.0-231.0	Lost core		
							231.0-233.5	dark green basic, slightly sheared, patchy ribbons of quartz-carbonate	300	



THE MINING ACT - DEPARTMENT OF MINES  
DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each hole.

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**TO FOLLOW**

FILE IN ON  
NEXT PAGE  
HOLE NO. 5 PAGE NO. 2  
CLAIM NO.

DRILLING COMPANY		COLLAR ELEVATION	VELOCITY OF HOLE	ROYAL FOOTAGE	DIP OF HOLE AT collar	LOCATION OF HOLE IN RELATION TO A LAND REFERENCE NO.	PROPERTY NAME
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY				
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY (Signature)				

FOOTAGE FROM	TO	ROCK TYPE	DESCRIPTION <small>Colour, grain size, texture, minerals, alteration, etc.</small>	PLANAR FEATURES ANGLE †	LOGS SPECIMEN FOOTAGE †	YOUR SAMPLE NUMBER	SAMPLE FOOTAGE		SAMPLE LENGTH			
							FROM	TO				
350			pegmatitic phase, 70% feldspar with hornblende crystals and some epidote alteration; a few specks of pyrite and purple stained mineral, possibly alteration of ilmenite				233.5	239.0		Trace		
							238.2	240.0				Trace
378			239.0-273.0 medium coarse diabase									
			273.0-288.0 fine texture, slightly sheared, first contact sharp, last contact gradational									
			288.0-309.5 medium texture									
			309.5-315.7 Fine texture, slightly sheared with sharp contacts									
			315.7-378.0 medium texture									
			378.0 END OF HOLE									

† For features such as foliation, bedding, schistosity, measured from the long axis of the core.

† Additional credit available. See Assessment Work Regulation

# DIAMOND DRILL HOLE No. 15

SHEET NO. 2

Location: Lat. \_\_\_\_\_  
 Dep. \_\_\_\_\_  
 Elevation of Collar \_\_\_\_\_  
 Datum \_\_\_\_\_  
 Direction at Start: Bearing \_\_\_\_\_  
 Dip \_\_\_\_\_

Started \_\_\_\_\_  
 Completed \_\_\_\_\_  
 Ultimate Depth \_\_\_\_\_  
 Proposed Depth \_\_\_\_\_

AMERICAN MINER ASSOCIATION STANDARD FORM NO. 201

DATE	FEET DRILLED	TOTAL DEPTH	SAMPLE		ANALYSIS Gold	COMBINED ANALYSIS	REMARKS (LOG)	SECTION		
			FROM	TO				GEOLGY	FOOTAGE	COMMERCIAL SECTIONS
			FROM	TO						
			235.8	237.8	Trace		233.5-239.0	pegmatitic phase, 70% feldspar with hornblende crystals and some epidote alteration; a few specks of pyrite and purple stained mineral, possibly alteration of ilmenite		
			238.2	240.0	Trace		239.0-273.0	medium coarse diabase		350
							273.0-282.0	fine texture, slightly sheared, first contact sharp, last contact gradational		
							288.0-309.5	medium texture		378
							309.5-315.7	fine texture, slightly sheared with sharp contacts		
							315.7-378.0	medium texture		
							378.0	END OF HOLE		

Drilled by *H. Macintosh Diamond Drilling Limited*

Engineer in Charge.

62-167

# DIAMOND DRILLING ON AFTON CLAIMS

DRILL HOLES NO. 3, 4, AND 5  
ON CLAIMS S 50389 & S 50388

SCALE = 1" = 200'

## LEGEND



DRILL HOLE  
DIRECTION AND HORIZONTAL  
PROJECTION.

