

Diamond Drilling



41115NW0013 0010A1 FRALECK

010

Township of FRALECK

Report N<sup>o</sup> 10

Work performed by: Canadian Johns-Manville Co. Limited

Claim N <sup>o</sup>	Hole N <sup>o</sup>	Footage	Date	Note
S 142690	FR-68-1	447.0'	Feb/68	

TOTAL 1 DH 447.0 FT

Notes:

DIAMOND DRILL HOLE FR - 68 - 1

Fraleck Township

Location: 2200' East of Main Road at Sarlay Creek;  
 1500' South of 2nd Island on south shore  
 of Sarlay Lake; Claim 142690; 400' N of 1/3 Post  
 Date Started: February 20th, 1968  
 Date Compl'd: February 24th, 1968  
 Total Depth: 447'

Bearing: West  
 Dip: -75°  
 Acid Test - @ 200' -75°; 400'-66°  
 At 200' etched angle 79°;  
 correction -75°  
 At 400' etched angle 72°;  
 correction -66°

Victoreen setting X10, background; - 500 C.P.S.

<u>Box #</u>	<u>From</u>	<u>To</u>	<u>Footage</u>	<u>X10 Scale Victoreen</u>	<u>Description</u>
1	4'	9'	5	500	4' - 26' dark grey, medium green quartzite, slip at 10° down core; slip at 50° across core. Generally massive
	9'	14'	5	500	Becoming coarser grained from 17' on - feldspathic Slips at 40° across core Feldspathic quartzite; massive.
	14'	19'	5	500	
2	19'	24'	5	500-600	Quartzite coarse to 26'; 26' - 28' silt beds, reading 700 C.P.S. from 26' - 27.6'. Silt bed from 27.6' - 28' reading 1000 C.P.S. 28' - 31' fine grained quartz - reading 500 C.P.S. 21' - 31.8' narrow silt beds reading 1000 C.P.S. Beds at 80° across core. 31.8' - 33.4' fine grained quartzite reading 500 C.P.S. 33.4' - 34' silt beds reading 1000 C.P.S. Beds are from hair line to 1/2" thick, olive in colour. 34' - 36' coarse feldspathic quartzite, light grey reading 500 C.P.S. 36' - 56.6' fine grained quartzite, reading 500-600 C.P.S. Pyrite on slips; slips at 80° across core.
	24'	29'	5	600-1000	
	29'	34'	5	500-1000-500	
	34'	39'	5	500-600	
	39'	43'	4	500-600	
	43'	48'	5	600	
3	48'	53'	5	600-700	Fine grained dark grey quartzite, minor pyrite on slips. Fine grained dark grey quartzite, minor disseminated pyrite. Slips at 80°, across core. Fine grained quartzite to 56.6', coarse grained, light grey 56.6' - 75.6' feldspathic. Light grey quartzite with bluish quartz eyes. Fault zone from 54' - 54.6'. Light to dark grey feldspathic quartzite, minor disseminated pyrite, bluish and sooky grey quartz grains, coarse grained.
	53'	58'	5	700-500	
	58'	63'	5	500-600	
	63'	68'	5	600-700	
4	68'	73'	5	700	2" silt bed at 64.3' dips at 70° across core, coarse quartz with minor disseminated pyrite. Course grained quartzite. 71.3' 1/4" silt bed reading 800 C.P.S. 71.6' - 72' few scattered quartz pebbles, minor pyrite, reading 700 C.P.S. Course grained to 75.6'. 75.6' - 78.6' fine grained impure quartzite with silt bed from hair line to 3" wide, fine disseminated pyrite.
	73'	78'	5	700-1000	

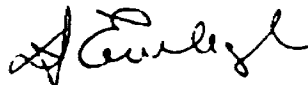
<u>Box #</u>	<u>From</u>	<u>To</u>	<u>Footage</u>	<u>X10 Scale Victoreen</u>	<u>Description</u>
4	78'	83'	5	1000-700- 700	<u>78.6' - 83.6'</u> light grey feldspathic, coarse grained quartzite, minor disseminated pyrite, rock massive.
5	83'	87'	4	800 700	<u>83.6' - 85.6'</u> silt bed reading 800 C.P.S. minor fine pyrite. <u>85.6' - 88'</u> fine grained impure coars bedded quartzite, 1' lost core.
	87'	92'	5	700-1100 700	<u>88' - 88.6'</u> olive coloured silt bed, cross bedded, fine pyrite, bed dip at 70°, bedding at 80° to core axis. Reading 1000-1100 C.P.S. <u>88.6'</u> coarse grained light grey mottled feldspathic quartzite, reading 600 C.P.S.
	92'	97'	5	700	<u>88.6' - 103'</u> coarse grained light grey mottled feldspathic quartzite, narrow 1/16" beds of pyrite at 92.6', Silt fractures at 93.6' dip 60° across core. Light pink feldspathic 96' - 97'. Disseminated pyrite, Blocky from 93' - 95'.
	97'	102'	5	700-600	Coarse grained feldspathic quartzite, disseminated pyrite, minor pyrrhotite, bluish grey quartz eyes.
6	102'	107'	5	600-800	<u>103' - 120'</u> fine grained dark grey impure quartzite, pyrite on slips. Blocky from 103' - 104'.
	107'	112'	5	700-600	Pyrite on slips. Massive.
	112'	117'	5	600	Disseminated pyrite blebs. Strong slip 115' - 116' at 2° down core.
	117'	122'	5	600-500	<u>120' - 122'</u> dark grey to black silty quartzite pyrite on slips. Reading 500 C.P.S.
7	122'	127'	5	600	<u>122' - 131'</u> fine grained dark grey impure quartzite. Disseminated pyrite.
	127'	132'	5	600-500	<u>131' - 133'</u> gritty coarse grained feldspathic quartzite, light grey.
	132'	137'	5	500-600	<u>133' - 143'</u> fine grained impure quartzite, rusty slips from 135' - 137' at 70° across core.
	137'	142'	5	600	Bluish quartz eyes, disseminated pyrite. 140.10' silt bed 1", dip 80° across core.
	142'	147'	5	600-700	<u>143' - 159'</u> light grey medium grained feldspathic quartzite. Pink feldspars 2 mm. Medium to coarse grained, feldspathic reddish injections. Quartz fracture at 148', dip at 20° down core.
8	147'	152'	5	600	<u>159' - 173'</u> impure fine grained quartzite, minor disseminated pyrite, fractures 30° - 60° across core.
	152'	157'	5	700-600	Massive
	157'	162'	5	700	Massive impure quartzite.
9	162'	167'	5	600	<u>173' - 177'</u> coarse grained, light grey feldspathic quartzite, disseminated pyrite.
	167'	172'	5	600	<u>177' - 195'</u> dark grey medium grained quartzite, massive.
	172'	177'	5	700	
	177'	182'	5	700	
	182'	187'	5	600	
	187'	191.6'	4.6	600	Same as above

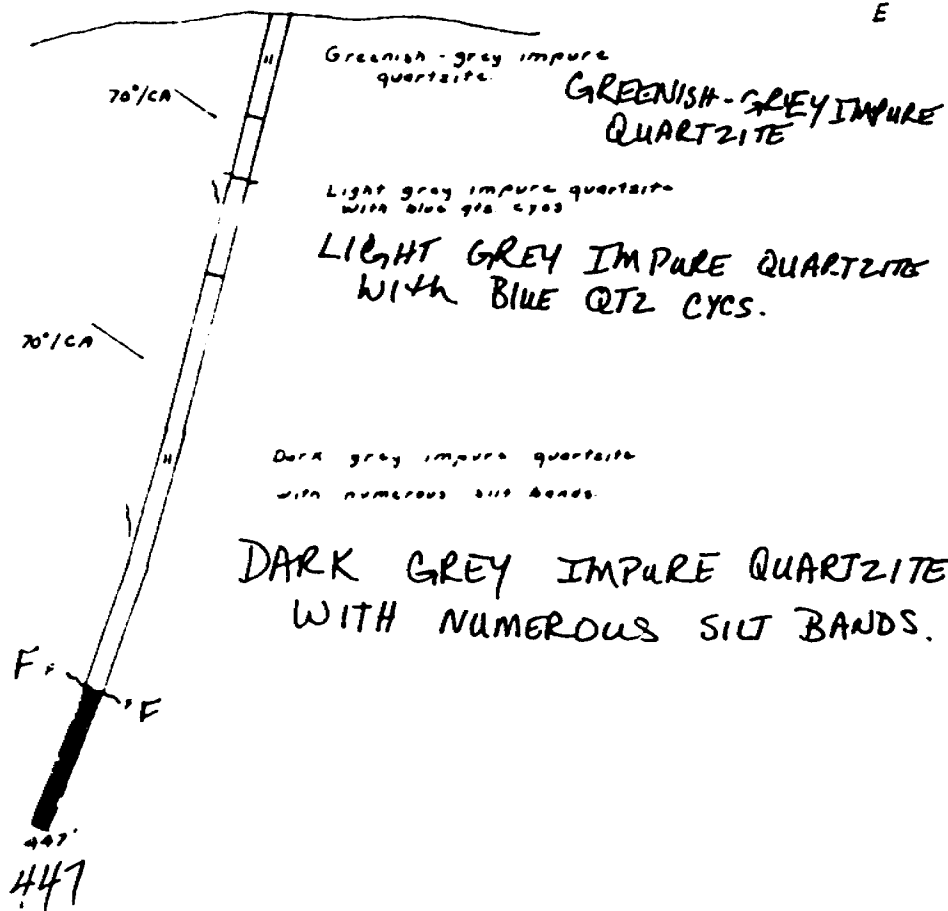
<u>Box #</u>	<u>From</u>	<u>To</u>	<u>Footage</u>	<u>X10 Scale Victoreen</u>	<u>Description</u>
10	191.6'	196'	4'6"	600	Dark grey medium grained quartzite, massive. Quartz vein 1/2" at 20° to core axis.
	196'	201'	5	600	195' - 202' light grey mottled medium grained quartzite, feldspathic
	201'	206'	5	600-700	202' - 212' dark grey medium grained quartzite massive, minor disseminated pyrite.
	206'	211'	5	700	Same as above.
11	211'	216'	5	600	212' - 215' coarse grained quartzite, reddish injections.
	216'	221'	5	500	215' - 226' dark grey medium grained quartzite, slips at 80° to core axis. Impure quartzite with gritty sections.
	221'	226'	5	600	Bedding at 70° to core axis. Core massive. Minor pyrite.
	226'	231'	5	600	Same as above.
	231'	236'	5	600-700	Same as above.
12	236'	240'	4	700	Dark grey medium grained massive quartzite.
	240'	245'	5	700	" " " " "
	245'	250'	5	600	Minor pyrite.
	250'	254'	4	600	Same as above Dark grey quartzite, impure minor pyrite.
13	254'	259'	5	600	Dark grey impure quartzite, medium grained, minor disseminated pyrite.
	259'	264'	5	600-700	Slips at 30° - 70° across core.
	264'	269'	5	700	
	269'	274'	5	600	
	274'	278'	4	700	Silty bed with minor pyrite 277' - 278' - reading 900 C. P. S.
14	278'	283'	5	600	Dark grey impure quartzite. Silt bed from 280.6' - 281' with fine pyrite; reading 700 C. P. S.
	283'	288'	5	600	Impure quartzite. Silt bed with minor pyrite. Slight shearing 283' - 284' at 60° across core
	288'	293'	5	600	Impure quartzite.
	293'	298'	5	600	Light feldspathic quartzite from 293' - 294'.
	298'	302'	4	600-700	Dark impure quartzite, medium grained, strong slip from 298' - 300' at 2° down core.
15	302'	307'	5	700	Slips at 30° - 60° across core; pyrite on slips; blocky, medium grained, dark grey impure quartzite. No evidence of bedding.
	307'	312'	5	700	Same as above
	312'	317'	5	700-800	" " "
	317'	322'	5	700	" " "
	322'	325.6'	3.6	600	" " " Blocky from 321' - 325.6'

<u>Box #</u>	<u>From</u>	<u>To</u>	<u>Footage</u>	<u>X10 Scale Victoreen</u>	<u>Description</u>
16	325.6'	330'	4.6	700-800	Medium grained dark grey impure quartzite. 1/2" silt bed at 330', reading 800 C.P.S.
	330'	335'	5		Same as above. Blocky to 332'; slips at 30' across core; pyrite on slips.
	335'	340'	5	700	Silt beds from 337' - 338' - 1/4" wide; minor pyrite, beds at 80° to core axis. Reading: 800 C.P.S. Quartzite same as above; impure dark grey.
	340'	345'	5	700	Dark grey impure quartzite, minor pyrite; slips at 30° - 60° to core axis.
17	345'	350'	5	700	Dark grey medium grained impure quartzite, pyrite on slips; slips at 60° across core.
	350'	355'	5	700	Same as above
	355'	360'	5	700-800	" " "
	360'	364'	4	600	Fault zone from 362' - 363'. Slightly sheared; blocky
18	364'	371'	5	600-500	<u>366' - 381.6'</u> - Contact at 366'; rock highly altered, carbonated, dark minerals of hornblende, much quartz and feldspars; possibly diorite. Altered to 377'. Quartz injections from 377' - 378' minor pyrite.
	371'	376'	5		
	376'	381'	5		
	381'	384'	3		<u>381.6' - 383.6'</u> white quartz vein with coarse pyrite, quartz well fractured, glass;
19	384'	404'	20		<u>384' - 397'</u> coarse quartz, diorite with minor disseminated pyrite.
20	404'	424'	20		<u>397' - 439'</u> meta-volcanics. Granitic injections from 439' - 440'.
21	424'	444'	20		<u>440' - 447'</u> gabbro. Slightly sheared from 434' - 439'.
22	444'	447'	3		

447' - END OF HOLE.

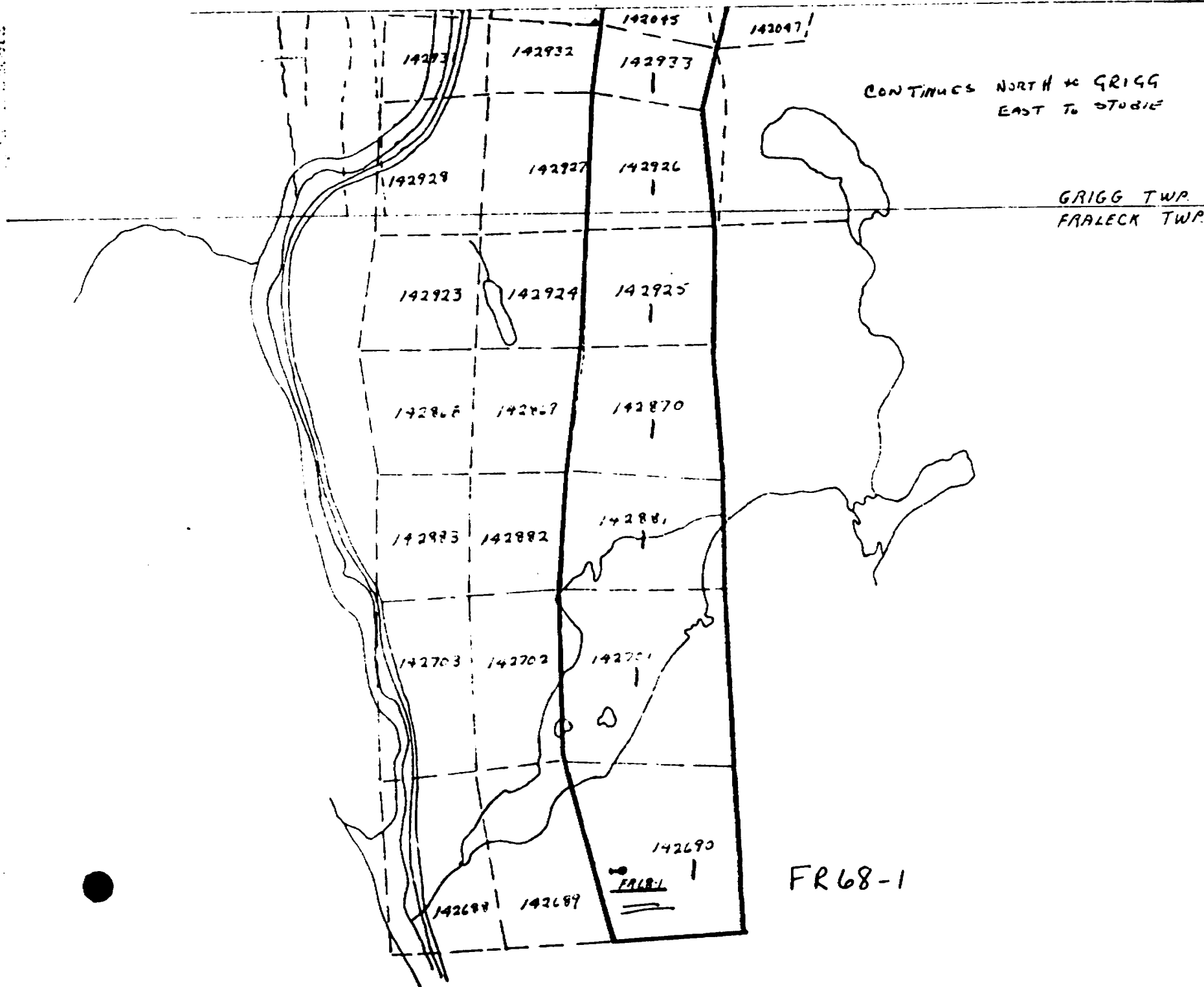
Logged by: R. P. Kaltwasser.





CANADIAN JOHNS-MANVILLE CO. LTD.	
MATHESON	CL. 1070
D.D.H. FR-68-1	
SCALE <u>FRALECK TOWNSHIP</u>	
SCALE 1" = 100'	DATE FEB. 1968
DESIGNED	
DRAWN	
APPROVED	

*Handwritten signature*



FR 68-1