

LOCATION: Needles Creek, east of Q.C. Timber
mainline road



JMT Services Corp.

8827 HUDSON STREET · VANCOUVER, B.C. V6P 4N1

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HOLE NO: R-80-1

AZIMUTH 045

PROPERTY: RILEY 841914

DIP -45° LENGTH 159.7 m (524') ELEVATION CLAIM NO

STARTED Feb. 15, 1980 CORE SIZE BO DATE LOGGED Feb. 22, 1980 SECTION

COMPLETED Stopped Feb. 19, 1980 mismatch; DIP TESTS: LOGGED BY: C. Harivel
pulled, tried to re-enter twice, hole mudded in

PURPOSE: To test below 0.2 oz/ton surface sample JSC 1979

from	to	DESCRIPTION	SAMPLE NO	from	to	LENGTH						
0	3 m	Casing/no core										
3	16.31	Greenish and grey volcanics/alternating crystal tuffs(?) and agglomerates and/or lappilli tuffs: fine grain fragmental (?) rocks are generally well cored and s. altered/ coarser fragmental rocks commonly much more clay altered and less competent tending to "gumbo" @22 m begin first section of predom. greenish grey clay altered fragmentals BOX 1 @ 38m = 41.85 less clay alt. more green color BOX 2 41.85 - 44m grey green alt'd frags. BOX 3 22.86 - 25.30 similar to following 24.57 - 28.65 31.09 - 35.66 BOX 4 32.92 BOX 5 41.45 - 43.59 BOX 6 16.31 BOX 7 105.91 Green and maroon agglomeratic flows - competent rel unalt'd locally deuteritic(?) alt'n to green propylitic rock; calcite common as stringers and lenses	83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98	12 14 16 18 20 22 24 26 28 30 32 34 6 36 38 40 42 44								

done



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HOLE #2

R-80-1

PROPERTY:

CLAIM #

SECTION

LOGGED BY:

LOCATION:

AZIMUTH

DIP

LENGTH

ELEVATION

STARTED

CORE SIZE

DATE LOGGED

COMPLETED

DIP TESTS:

PURPOSE:

from	to	DESCRIPTION	SAMPLE #	from	to	LENGTH					
		BOX 8	<i>An 5</i> 18599	44	46						
		BOX 9	18600	46	48						
		BOX 10	01	48	50						
		BOX 11 @ 79.94 black, soft matrix (carbonaceous)	<i>An 5</i> 02	50	52						
		BOX 12 in small clump of brx.	03	52	54						
		BOX 13 @ 79.86 - 80.16 fault zone bleached, crushed	04	54	56						
		BOX 14	05	56	58						
105.91		BOX 15									
		Section of grey, altered, tuffaceous agglomerates - tending to "gumbo"	06	58	60						
	110.64	BOX 16	07	60	62						
110.64	134.42	BOX 17 Shear zone @ 40-45° to c.a. grey, greenish, purplish-grey, agglom. and fin. gr. tuffs(?) with interbedded charcoal grey-black argillaceous sections; cream and creamy buff altered tuffs (v.f.gr.) lenses, clots, veins of pyrite common argillaceous sections; local rare veins of py up to 3 cm wide, 60° to c.a.	08	62	64						
			09	64	66						
			10	66	68						
			11	68	70						
			12	70	72						
			13	72	74						
			14	74	76						
			15	76	78	#18646	118	120m			
			16	78	80	47	120	122			
			17	80	82	<i>An 5</i> 48	122	124			
			18	82	84	49	124	126			
134.42	141.43	Grey clay altered soft incompetent core of coarse pyroclastics - v. poor sorting- low sulphide content	19	84	86	50	126	128			
			20	86	88	51	128	130			
			21	88	90	52	130	132			
141.43	146.6	Predom. black-gray fine gr. (argillaceous) sed. intermixed with pyroclastics	22	90	92	53	132	134			
		blebby py commonly assoc. in lenses up to 3 cm.	23	92	94	54	134	136			
		@146.6 - 146.85 shear zone @ 25° to c.a.	24	94	96	55	136	138			
			25	96	98	<i>An 5</i> 56	138	140			
			26	98	100	57	140	142			



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HOLE NO:

R-80-1

PROPERTY:

LOCATION:

AZIMUTH:

DIP

LENGTH

ELEVATION

CLAIM NO

STARTED

CORE SIZE

DATE LOGGED

SECTION

COMPLETED

DIP TESTS:

LOGGED BY:

PURPOSE:

from	to	DESCRIPTION	SAMPLE NO	from	to	LENGTH						
146.6	159.72	Porphyritic agglomeratic flows; pinks, greens, buff no visible sulphide.	18627	100	102	18658	142	144				
			<i>all 15</i> 28	102	104	59	144	146				
			29	104	106	60	146	148				
			<i>5</i> 30	106	108	61	148	150				
			31	108	110	62	150	152				
			<i>30</i> 32	110	112	63	152	154				
			33	112	114	64	154	156				
			34	114	116	65	156	158				
		END OF HOLE.	<i>5</i> 35	116	118	66	158	159.76				

LOCATION: Above Riley Creek, vicinity Courte
showing above Branc 8 of Q.C. Timber Company
AZIMUTH 018°



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HOLE NO: C-80-1

PROPERTY: Courte

DIP -45° LENGTH 120.7 m ELEVATION 800' CLAIM NO
STARTED February 9/80 CORE SIZE: BQ DATE LOGGED Feb. 16 - 19/80 SECTION
COMPLETED February 12/80 DIP TESTS: LOGGED BY: Colin Harivel
PURPOSE: Test 0.2 ox/ton sampled o/c at depth Analyses by Bondar Clegg, Vancouver

from	to	DESCRIPTION	SAMPLE NO	from	to	LENGTH	to c.a. barren fr.	qtz veins	vein sulph.	% D/F sulph.
0	3.65	Overburden								
2.65	4.88	Regolith - dyked boulders - surficial alt'n	<i>An 5</i> 18526	10	12	2m				
4.88		Grey fine to med. grain andesite - dacite DYKE dis. sulphide common po > py >> cpy	<i>An 5</i> 27 28 29	12 14 16	14 16 18	" " "				
		Box 1 strong limonite on fracture surfaces qtz. veins associated with streaky grey mylonitic (?) material - poss. sulphides 28° - 45° to c.a.	30 31 32	18 20 22	20 22 24	" " "		1-3/m		1-3 D
		Box 2 16.15 w. decr. in limonite - see increase 17.37 in py on (25-35°) fractures assoc. w. grey black mylonitic(?) material slightly magnetic throughout	<i>An 10</i> 33 34 35	24 26 28	26 28 30	" " "		1-3m		5-D F 4-1-py 4-1 cpy
		Box 3 23.47 28.04 increasing pervasive alt'n 26.52 30.17 (porphyritic, chl. maf.) las 31.07 strong limonite fracture 28 m	36 37 38	30 32 34	32 34 36	" " "		1-2/m		5 po
		Box 4 32.61 36.88 35.05 38.71								
	32.5	rel. more alt'd marginal phase 30-32.5 m 30.32.5 m- ground core 32.6 m 32-32.6	<i>An 380</i> 39 40	36 38	38 40	" "				D 3 po
32.5	40.0	Green to greenish-grey, more and less altered volcanics - predom. agglomerate flows(?)	41 42	40 42	42 44	" "				

done



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HOLE NO:

C-80-1

PROPERTY:

LOCATION: _____
 AZIMUTH: _____
 DIP: _____
 STARTED: _____
 COMPLETED: _____
 PURPOSE: _____

LENGTH

ELEVATION

CLAIM NO

STARTED

CORE SIZE

DATE LOGGED

SECTION

COMPLETED

DIP TESTS:

LOGGED BY:

from	to	DESCRIPTION	SAMPLE NO	from	to	LENGTH	to c.a. qtz barren fr. vein	vein sulph.	% D/F sulph.
		@38.8m qtz. + py veinlets @ 70° to c.a.	18543	44	46	2m		+4	py 37.8 @70°
			44	46	48	"			
		Box 5 (41.0 44.81) (42.06)	45	48	50	"			
40.0	42.6	Grey - greenish alt. vol. - uniform mottled text. irreg. f. & med. gr. blebs & grains py assoc. col. minor diss. f.gr. py	46	50	52	"			<1% py ^F
			47	52	54	"			<1% py ^D
			48	54	56	"			
42.0	77.8	Grey to sauss. light green propylite - cal. chlorite fract. alt'n v. common	49	56	58	"			
			50	58	60	"	65°+py	+qtz.	
			51	60	62	"	43.6	43.6	
			52	62	64	"			up to 2% py ^D
		- common smears and slips of sulphide (py)							
		Box 6 (46.63 49.99) generally these at <20° to c.a. (48.45 52.88) one @ 7° - intermittent clay - rich gumbo zones bleached -	53	64	66	"			2-4 m ^F
			54	66	68	"			1% py
			55	68	70	"			
			56	70	72	"			
		similar to above. decrease in fract. sulphide							
		Box 7 (53.95) sl. increase in dis. py (55.93) (57.61) (60.00)	57	72	74	"			2-3% py ^D
			58	74	76	"			1% py
			59	76	78	"			1-3 m
		Box 8 (52.79) increase in ground sulphide streaks - (64.66) slips (66.14) 60-66 m. rel. more white crumbly, clay alt'n stronger @ 66m more competent core greenish	60	78	80	"			
			61	80	82	"	+67.2	50°	2-4/m



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MOLE NO: C-80-1

LOCATION:			
AZIMUTH			
DIP	LENGTH	ELEVATION	CLAIM NO
STARTED	CORE SIZE	DATE LOGGED	SECTION
COMPLETED	DIP TESTS:		LOGGED BY:
PURPOSE:			

from	to	DESCRIPTION	SAMPLE NO	from	to	LENGTH	to c.a. barren fr.	qtz vein	vein sulph.	% D/F sulph.
		74.2- 74.5 low angle to c.a. gray gougy sulphide	18562	82	84	2m			67.4 70	2% py ^H
	77.8	Box 9 68.58 73.76 71.32	63	84	86	"				5% py ^D
			64	86	88	"				2-3/m
77.8	78.5	Fault zone gouge @ 65-70° to c.a.	65	88	90	"				3-5% py ^D
		Box 10 78.94 sl altered greenish vol. 81.99	66	90	92	"				2% py
		AT 83 m DARKER GREEN + INCREASED HEM. CONTENT LOCALLY JADE GREEN, WAXY LUSTRE.	67	92	94	"				
			68	94	96	"				
			69	96	98	"				
		Box 11 serpentine (?) on fractures; this sequence	70	98	100	"				
		12 similar to that at bottom C-79-1	71	100	102	"				
		13 calcite ± hem (minor.) alt'n assemblage	72	102	104	"				
		14	73	104	106	"				
		15	74	106	108	"				
	120.7	16	75	108	110	"				
			76	110	112	"				
		Hole stopped at 120.7 m.	18578	112	114					
			79	114	116					
			80	116	118					
			81	118	120					
			82	120	120.7					