

LOCATION : 35MN LCH.45 225W

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CONTRACTOR: Arctic Diamond Drilling

PROPERTY:	Canadian Ferrites
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LOGGED BY: Brian P. Butterworth

CLAIM NO.

DATE: 17/12/84

SECTION NO.

STARTED:

**PURPOSE :**

COMPLETED:

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## Diamond Drill Record

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Section		ROCK DESCRIPTION	Interval		ALTERATION, MINERALIZATION etc.	VEINLETS		
from	to		from	to		Thickness	Angle to core	minerals in decreasing abundance
25'	49'3"	Graph. (50%), Qtz (30%), chlt (10%) scht. Weak to moderate deformation throughout most of section. Some intervals show intense plastic deformation with highly complex fold patterns. Vuggy texture throughout entire section with vug density decreasing towards base. Vugs occupy 2% of section			Limonite showing along schistosity and within most cavities. Limonite appears in vugs within Qtz bands and along Qtz-graphite and Qtz- chlt contacts in most cases Fewer vugs within. Graph and chlt. bands. < 1% sulphides overall			
		Recovery 39' - 45' = 62.5%						
		45' - 50' = 100%						
49'3"	50'11"	Chlt (40%) - Qtz (35%) minor graph. schist. Schistosity relatively uniform @ 65°C/A Few vugs. Recovery 50' - 55' = 88% 55' - 60' = 93%			< 1% diss. Py			
50'11"	58'3"	Same as 25' - 49'3" Graph - Qtz - Chlt schist. Fewer Vugs. High degree of plastic deformation.			Limonite within vugs. Minor limonite when schistosity planes < 1% diss Py.			

Continued

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Section		ROCK DESCRIPTION	Interval		ALTERATION, MINERALIZATION etc.	VEINLETS		
from	to		from	to		Thickness	Angle to core	minerals in decreasing abundance
50'11"	58'3"	Moderately broken throughout section becoming more competent towards base. Qtz band < 1/16".						
		Recovery: 60' - 65'6" = 82%						
		65'6" - 71' = 82%						
		71' - 76' = 100%						
58'3"	77'11"	Intermixed black and white Graph (55%) - Qtz (40%) minor chlt schist. Deformation not as intense as in previous section. Average Schisto- sity 65°C/A. Qtz bands up to 1"	72'4"	72'7"	Py cubes up to 1/4" across < 1% throughout. Up to 2% diss. Py throughout section Black, extremely fractured-gouge zone f.gr. Py. concentrated along Qtz band-Graph contacts in some places	1/4", 1/8", 20°, 90° 1/4", 1° 65°, 65°		Bull. white. Qtz bands @ 58'6" 63'3", 64'5", 65'1" Numerous bull white Qtz bands < 1/4" wide, many show high degree of plastic deformation, Quite contorted.
		wide. Graphitic rich zones up to 12" wide possibly 70% graph. Poor competency.						
		Graph content gradually decreases towards base of section. However contact with underlying Chlt.scht is sharp due to the sudden disappearance of graph in the underlying unit Contact: 75°C/A						
		Continued						

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Section		ROCK DESCRIPTION	Interval		ALTERATION, MINERALIZATION etc.	VEINLETS		
from	to		from	to		Thickness	Angle to core	minerals in decreasing abundance
58'3"	77'11"	Continuation Recovery 76' - 81' = 97%						
		81' - 86' = 100%						
		86' - 91' = 97%						
		91' - 96' = 100%						
77'11"	179'3"	Lt. grey-green Chlt (60%)			< 1% diss Py throughout			All Qtz rich sections appear
		Qtz (35%) minor sericite			section			to be unmineralized
		schist. Moderate plastic deformation			-Minor blebs of Py. occurring			
		with mild contortions to			randomly throughout section		80°	92' - 92' 9" Qtz rich zone
		Qtz bands. Qtz bands			-Minor f.gr. Py. concentrated			3 closely spaced Qtz bands
		average 1/8"-1/4" wide but			along Qtz-chlt. contacts			Bull, white, separated by narrow
		up to 1" in places						chlt. bands
		Average schistosity 60° C/A						
			119'5"	119'9"	Shear zone, extremely fractured	1/4"	40°	Qtz band w/moderate contortion
		Recovery 96' - 106' = 96%	120'5"	121'	intensely chloritized fault gouge			@ 96'1". Bull, white.
		106' - 111' = 92%	123'3"	124'	Areas adjacent to shear zones			
		112' - 130'2"			show increased chloritization, higher			
		Increasing plastic defm. toward			fracture density and poorer			
		base. Qtz bands average 1/8"-1/4"			competancy. No visible mineral-			
		in width and are becoming moderately			ization			
		to highly folded.						
			86'		An occasional speck of bleb			
					of Py.			
		Continued						



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Section		ROCK DESCRIPTION	Interval		ALTERATION, MINERALIZATION etc.	VEINLETS		
from	to		from	to		Thickness	Angle to core	minerals in decreasing abundance
77'11"	179'3"	Continuation						
		Recovery 111' - 116' = 100%						
		116' - 121' = 92%						
		121' - 124' = 86%						
		124' - 128'6" = 100%						
		128'6" - 134' = 88%						
		134' - 139' = 100%						
		139' - 141' = 92%						
		141' - 149' = 100%						
		130'2" - 179' 3" Schistosity is						
		very uniform throughout this						
		interval. Few areas where Qtz chlt						
		bands show anything greater	166'	167'3"	Moderately fractured w/limonite	70°80°	3/4"1"3/4"	Bull, white, qtz bands at 149'4",
		than moderation deformation			stained fracture surfaces $\perp$ to			149'10 1/4", 150'4". First two bands
		Average schistosity: 60° C/A			schistosity			fairly undeformed, the third is
								moderately contorted.
		Recovery 149' - 154' = 100%						No visible sulphs.
		154' - 159' = 100%						Qtz bands throughout most
		159' - 161' = 50%						of section range between < 1/12"
		161' - 166' = 98%						to 1/2" in width. They are poorly
								to moderately deformed indicated
		166' - 171' = 98%	175'7"	176'3"	Minor limonite on fracture			by single phase, gentle folding.
		171' - 176' = 100%			surfaces $\perp$ to schistosity			Underformed Qtz bands show
		176' - 181' = 97%						average schistosity = 60° - 70° C/A
		181' - 186' = 97%						

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Section		ROCK DESCRIPTION	Interval		ALTERATION, MINERALIZATION etc.	VEINLETS		
from	to		from	to		Thickness	Angle to core	minerals in decreasing abundance
179'3"	191'3"	Lt. grey - lt. green chlt(65%)			<< 1% diss Py. A few			
		Qtz (35%) minor serc. Schist			isolated Py. cubes up to 1/16"			
		Schistosity uniform throughout			across			
		Qtz bands < 1/16" in width						
		throughout section except for a						
		few isolated Qtz-rich sections.						
		Average schistosity 85° C/A	184'	186'4"	Qtz-rich zone. Concentration	1 1/2", 2"	80°, 75°	Qtz bands @ 190'5" and
					of Qtz bands up to 2 1/2" wide			191'1" bull. white. No visible
		Recovery 186' - 191' = 100%			paralleling. Schistosity			sulphs
		191' - 196' = 100%						
		196' - 201' = 97%						
191'3"	251'	Qtz banding almost completely	216'	219'	Qtz rich zone. Series of bull	1 3/4"	50°	Bull, white qtz band. Sharp contacts
		disappears. Faint schistosity			white qtz bands up to 1 1/2" wide;			with chlt.scht. No visible sulph.
		visible as alternation, Lt. green			moderately contorted. No visible			
		Qtz-rich bands and dark green Chlt			sulph.			
		rich bands						
		Recovery 201' - 206' = 100%			<< 1% diss Py. throughout			
		206' - 211' = 100%			section. Random specks or			
		211' - 216' = 100%			blebs of Py. throughout.			
		216' - 221' = 100%						
		221' - 226' = 92%						
		226' - 231' = 97%						
		231' - 236' = 100%						

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