

HOLE NO.	CF 84.6	Page	1	of	9
PROPERTY:	Canadian Ferrites (Dawson)				
CLAIM NO.					
SECTION NO.					
STARTED:	12/12/84				
COMPLETED:	14/12/84				

LOCATION: CH - 45 475 W				DIPS - collar 60 °				CONTRACTOR: Arctic Diamond Drilling		HOLE NO. CF. 84.6		Page 1 of 9	
AZIMUTH: 110 °				ELEVATION: - m °				LOGGED BY: B.P. Butterworth		PROPERTY: Canadian Ferrites (Dawson)			
LENGTH: 302'				CORE SIZE: NO				DATE: 12/12/84		CLAIM NO.			
PURPOSE:										SECTION NO.			
										STARTED: 12/12/84			
										COMPLETED: 14/12/84			
Section		ROCK		Interval		ALTERATION		VEINLETS					
from m	to m	DESCRIPTION		from m	to m	MINERALIZATION etc.		Thickness	Angle to core	minerals in decreasing abundance			
0'	88'2"	Few qtz, pebbles @ top of hole											
Overburden		leading into eroded chlt.sclt											
		mud and rock fragments											
88'2"	89'8"	Recovery = 67%				minor limonite staining in							
		Medium green, chlt (60%) - Qtz				some localized areas							
		(30%), Serc (10%) scht.				Very broken throughout entire							
		faint banded texture				interval							
89'8"	92'9"	Recovery 89' 8" 97' = 87%											
		89' 8" - 91' Black, Graphitic,											
		rich mud.											
		91' - 92'9" Black and white		91'	92'9"	< 1% diss Py		1/2 "	90°	Qtz vein 2 to core axis			
		intermixed qtz and graphite								No visible sulf			
		schist 70% graphite; 30% qtz											
		shistosity ranges from 65°-80° c/a											
92'9"	102'3"	Recovery 97'-101'6" = 93%											
		dark grey - green chlt (70%)											
		qtz (20%) scht											

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Section		ROCK DESCRIPTION	Interval		ALTERATION, MINERALIZATION etc.	VEINLETS		
from m	to m		from m	to m		Thickness mm	Angle to core	minerals in decreasing abundance
92'9"	102'3"	con't. Contact w/ Graphic schist is marked by 1/2" wide intensely chloritized zone @ 60% c/a	93'1"	93'1 1/2"	Intensely chloritized fault gouge	1/2"	50°	Qtz vein no visible sulph @ 97'5"
		Qtz bands appear uniform w/ little deformation 70-80° c/a	96'4"	97'5"	Zones within chlt. qtz. scht with up to 50% boxwork	1 3/4"	80°	Bull white qtz vein; no sulph fragments of chlt scht. contained within
		Some localized creases show limonitic staining on many surfaces			texture. Py within these zones up <2% diss throughout some localized areas show moderate-strong kaolinitization			
102'3"	108'	Recovery 101'6" - 105' = 97% 105' - 108' = 50% Dark green Chlt-qtz scht Chlt 80%, qtz 20% - Extremely fractured and broken	@	104'	Qtz blebs massve 1 1/2" in diam. no visible sulfs Intense chloritization throughout most of section			
		schistosity is poorly developed average: 70% C/A. Fairly uniform throughout; few signs of plastic deformation	103'6"	103'10"	Qtz vein shows plastic deformation and minor ruggy texture no sulfs			
108'	111'3"	Recovery 108'-111' = 83% dark green chlt (90%) qtz (30%) scht. Schistosity relatively uniform in upper portion of section but defers increases						

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Section		ROCK DESCRIPTION	Interval		ALTERATION, MINERALIZATION etc.	VEINLETS		
from m	to m		from m	to m		Thickness mm	Angle to core	minerals in decreasing abundance
108'	111'3"	con't. down the hole. Schistosity	Average	60°	Qtz vein density and size	1/2"	-	Qtz vein @ 110'7" shows intense
		Minor secicite on schistosity			increases towards base of			plastic define
		planes			section. No sulfs.			
111'3"	124'	Recovery 111' - 113' = 67%						
		113' - 117' 6" = 52%						
		117'6" - 120' = 60%						
		120' - 124' = 94%						
			116'3"	120'	Almost entirely graphite very			
111'3"	124'	Intermixed, black and white			little qtz			
		graphite and qtz 70% graphite			<1% diss. Py throughout			
		30% qtz Qtz within graphite			section			
		shows intense deformation						
		Recovery 124' - 129' = 100%						
		129' - 130' = 75%						
		130' - 135' = 78%						
124'	134'3"	Lt. grey-green Qtz (65%) -	124'	125'11"	dk green chlt (65%) - Qtz			
		Chlt (30%) - Minor secicite			(35%) Schistosity shows			
		Scht. Schistosity: 65° C/A			plastic defm 55° C/A			
		limonite staining on surfaces						
		throughout most of section	125'2"	125'25"	1/2" wide graphite bed Resembles			
					fault gouge. Contact 60° C/A			

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Section		ROCK DESCRIPTION	Interval		ALTERATION, MINERALIZATION etc.	VEINLETS		
from m	to m		from m	to m		Thickness mm	Angle to core	minerals in decreasing abundance
124'	134'3"	Con't.	129'4"	129'8"	Graphite bed; poor competency			
		125'11" - 129' - Greater qtz content						
		Qtz (70%) - Chlt (20%) - Saac(10%)	132'9"	133'5"	8" wide interval highly fractured			
					and broken; limonitic staining on all surfaces			
134'3"	190'0"	graphitic shear zone Brecciatea	135'8"	137'3"	Chlorite rich zone highly sheared			
		qtz fragments < 1/4" in diam occupy						
		20% of zone						
		Recovery 135' - 141' = 92%						
		141' - 146' = 78%						
		146' - 151' = 88%						
140'	140'8"	Qtz vein; few chlt. fragments						
		throughout upper contact: 50C/A						
		Possible Qtz rich zone						
140'8"	148'3"	White & green intermixed			1% diss Py throughout entire section			
		Qtz (60%) Chlt (35%) scht			Some localized areas contain narrow			
		No recognizable schistosity orientation			Py bands (<1mm) which in most			
		Qtz appears as blobs and as narrow			cases either parralles schistosity			
		stringers throughout entire section			planes ( ) or occur along			
		Some plastic defm is visible within			Qtz - chlt. contacts This Py is			
		Qtz rich sections Chlt-rich fragments			figr and locally up to 2%			
		within Qtz are highly warped and						
		folded						

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Section		ROCK DESCRIPTION	Interval		ALTERATION, MINERALIZATION etc.	VEINLETS		
from m	to m		from m	to m		Thickness mm	Angle to core	minerals in decreasing abundance
140'8"	148'3"	Con't. Moderately broken throughout	145'6"	145'9"	Fault gouge. Intensely chloritic			
		Most of interval	150'9"	151'				
		Recovery 151' - 156' = 99%						
148'3"	151'11"	" Lt green - green chlt (60%)			<1% diss throughout entire			
		Qtz (35%) minor sericite scht			interval. Few Py bonds <1/16"			
		Schistosity: 80° C/A			wide // schistosity @ base of			
					section			
		Recovery 156' - 160'6" = 65%						
155'11"	160'10"	Highly sheared dark green-black						
		chlt-Qtz scht. Minor graphite						
		Qtz completely brecciated. Chlorite						
		almost gouge. Moderate competency						
		remains						
		Recovery 166'6" - 164" = 62%						
		164' - 170'6" = 35%						
160'10"		170'6" - 176' = 88%	170'6"	171'4"	Graphitic shear zone Qtz			
160'10"	173	10" Intermixed lt grey & green			extremely brecciated (15%); chlt			
		Chlt (60%) - Qtz (40%) scht			(20%); Graphite (65%) No visible			
		Entire interval is very broken-up			sulfs			
		Some zones within section are						
		intensely chloritized. Narrow zones						
		(up to 3") of fault gouge throughout						



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Section		ROCK DESCRIPTION	Interval		ALTERATION, MINERALIZATION etc.	VEINLETS		
from m	to m		from m	to m		Thickness mm	Angle to core	minerals in decreasing abundance
100'10"	173'10"	con't. Schistosity almost completely obliterated or highly deformed	172'9"	173'10"	Slight increase in graphite within this interval. Narrow graphite beds // schistosity(80°C/A)			
		90° C/A						
		Qtz rich zones within section show plastic defm.			some slow slight defm.			
		Recovery 176' - 179' = 83%						
173'10"	177'8"	Grey-green Chlt (70%) - Qtz (30%) scht. Schistosity is uniform throughout section: 85°C/A			< 1% Py diss or as blebs throughout section. Few narrow < (1/16") Py. bonds			
		Recovery 179'-182' = 83%						
177'8"	182'11"	Black & White graphitic (60%) Qtz (35%) minor chlt scht	177'8"	178'3"	Highly fractured interval w/ 1" wide Py band Contact w/ graphitic schist is sharp @ 10°C/A			
		Qtz bands show moderate Plastic defm & in some places ore brecciated Au Schistosity=80°C/A			10% qtz 90% Py < 1% Py diss, blebs, or bands throughout remainder of interval			
		Recovery 182' - 187' = 97%						
		187' - 192' = 97%						
182'11"		Green, chlt (70%) - Qtz (30%) scht, Med gr., schistosity well developed (75°C/A)			1% diss & blebs of Py.			
		Granulated throughout entire section)						

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Section		ROCK DESCRIPTION	Interval		ALTERATION, MINERALIZATION etc.	VEINLETS		
from m	to m		from m	to m		Thickness mm	Angle to core	minerals in decreasing abundance
182'1"	206'9"	Cont. Qtz bands throughout section do not exceed 1/4" in width Defm . increases towards the base of section with increased plastic defm . Recumbent folds and possibly overturned folds from 192' - 206'9" giving rise to mottled texture and Qtz blebs						
		Recovery 192' - 197' = 100%						
		197' - 201'6" = 100%						
		201'6" - 206'6" = 100%						
206'9"	217'4"	Graphitic - Qtz scht. Schistosity well developed (65° C/A) upper Contact with chlt scht is abrupt (70° C/A) Chlt (50%) Qtz (40) Graph (10%)			<1% diss Py			
		Recovery 206'6" - 211'6" = 88%						
		211'6" - 215' = 100%						
		215' - 220' = 100%						
		220' - 221' = 100%						
		221' - 226' = 100%						

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from m	to m		from m	to m		Thickness mm	Angle to core	minerals in decreasing abundance
206'9"	217'4"	Granulated Qtz - chlt - graphite layers throughout entire section Graphite content increases towards base of section						
217'4"	227'4"	Black, graphitic (60%) - Qtz (30%) Chlt (10%) Scht. Plastic defm. throughout. Schistosity obliterated where plastic defm is intense but in other areas average schistosity is 80° C/A  Recovery 226' - 231' = 83% 231' - 236' = 87% 296' - 241' = 90% 241' - 246' = 82%			<1% Py as diss and blebs throughout section			
227'4"	245'7"	Intermixed black and white Qtz (45%) - graph (35%) - chlt (20%) scht. Schistosity well developed and uniform throughout most of section (70° C/A) very broken from 243'5" - 246"			<1% sulphides	55°, 65°  4"		Bull, white, Qtz bands 3/8", 1/2", 1/4", @ 228', 228'2", and 228'3", respectively Highly convoluted Qtz band 1/2" wide between 37' and 37'7" no sulph Bull, white Qtz blob 3" across @ 241'7".



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Section		ROCK DESCRIPTION	Interval		ALTERATION, MINERALIZATION etc.	VEINLETS		
from m	to m		from m	to m		Thickness mm	Angle to core	minerals in decreasing abundance
246'7"		Recovery 246' - 251' = 83%						
		251' - 256' = 18%						
		* 256' - Miss-latch						
		256' - 261' = 77%						
246'7"	302'	Lt grey - green chlt (60%) - Qtz (35%) - minor sericite scht Schistosity average: 70° C/A Some intervals throughout section show increased plastic deformation Qtz bands <1/16" wide throughout most of section			<1% Py diss or blebs throughout section. Few localized crews where Py is concentrated along fracture surfaces or // 's schistosity Minor Py as blebs within chlt bands adjacent to Qtz bands	1/2"	85°	Qtz band 1/2" wide @ 363' 1", Bull, white, contains a few chlt Fragments
		Recovery 261' - 266' = 100%	264'2"	264'8"	Qtz rich interval. Contact poorly defined. At base of interval chlt. scht. contains angular brecciated, qtz fragments up to 3/4" across			
		266' - 270' = 114% (?)						
		270' - 275' = 100%						
		275' - 280' = 92%						
		280' - 285' = 100%						
		285' - 288' = 86%	285'	288'	Moderately broken-up in this interval. Good recovery			
		288' - 293' = 100%						
		293' - 298' = 95%						
		298' - 300' = 100%	281'5"		Increased plastic deformation Qtz. Chlt bands are highly granulated Schistosity @ 296' 65° C/A			
		E.O.H.						