

GM 50887

DIAMOND DRILL RECORD, NORTH ZONE, BELLECHASSE PROJECT

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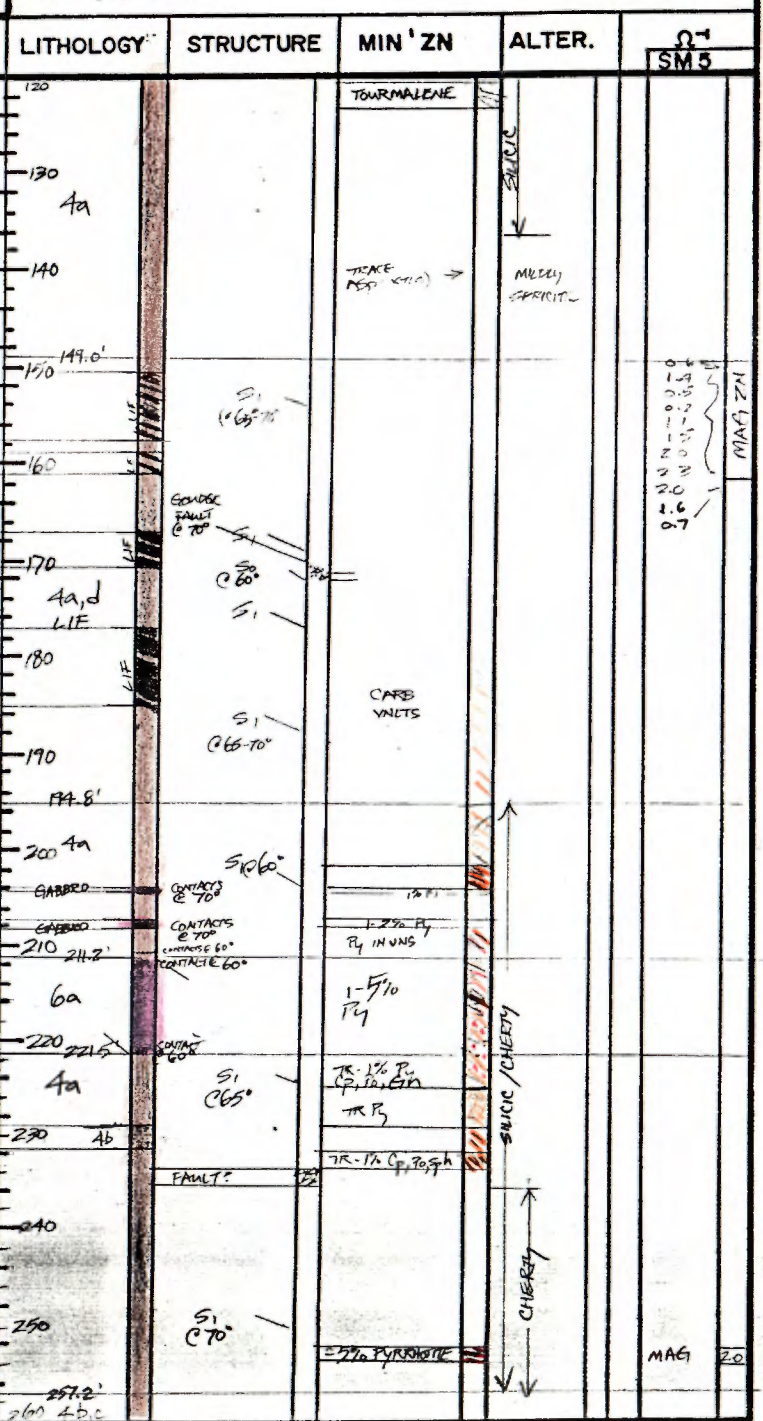
Québec 

PROJECT NORTH ZONE / BELLECHASSE PROJECT				INCLINATION TESTS				HOLE NO. 90-06
CLAIM P05958	TOWNSHIP ROLETTE/PANET	RANGE VII/I LOT 34/34		DEPTH COLLAR	DIP 46°	DEPTH	DIP	
OCCURRENCE NORTH ZONE		GRID NZ 1987	COORD 16+75E / 1+00N	334.7'	44°			DRILLED BY ST. LAMBERT
LENGTH 334.7'	HORIZ.	VERT.	AZIMUTH 135°	CORE SIZE BQ				STARTED FEBRUARY 15, 1990
ELEV. 1464'	LOGGED BY J.F. BURZYNSKI		DATE FEBRUARY 19, 1990					FINISHED FEBRUARY 17, 1990

FOOTAGE				SAMPLE NO.	DESCRIPTION	LITHOLOGY	STRUCTURE SCALE 1"=20'	MIN'ZN	ALTER.	Ω-1 SM 5
FROM	TO	FT.	FT.REC. %REC							
54.5'	54.8'	0.3	0.3	100	9006-1	0.0' - 2.0'	DRILL STEM			
60.0'	61.8'	1.8'	1.8'	100	-2	0.0' - 9.8'	CASING			
74.0'	76.0'	2.0'	2.0'	100	-3					
76.0'	77.7'	1.7'	1.7'	100	-4	9.8' - 49.2'	FRONTIERE FORMATION			
86.4'	87.0'	0.6'	0.6'	100	-5		TURBIDITES: WACKES, SILTSTONES & MUDSTONES.			
87.9'	90.3'	2.4'	2.4'	100	-6		LIGHT TO DARK GRAY, TO GREY-GN.			
96.1'	98.4'	2.3'	2.3'	100	-7		DOMINANTLY MIST WITH 7-8 TURBIDITE SEQUENCES (UP TO 1.5' WIDE); FINING DOWNHOLE (SOUTHEAST). ONLY 5-6 QTZ VEINLET TH'OUT, ALL SLIM WITH NO VIS MINERALIZATION.			
112.0'	113.5'	1.5'	1.5'	100	-9					
115.7'	117.3'	1.6'	1.6'	100	-10					
120.6'	123.5'	2.9'	2.9'	100	-11					
207.5'	208.4'	0.9'	0.9'	100	-12					
208.4'	211.2'	2.8'	2.8'	100	-13		22' S. @ 30° S. @ 45°			
211.2'	215.2'	4.0'	4.0'	100	-14		25' S. @ 40° S. @ 38°			
215.2'	216.6'	1.4'	1.4'	100	-15		33' S. @ 60° S. @ 60°			
216.6'	219.1'	2.5'	2.5'	100	-16		45' S. @ 50° S. @ 45°			
219.1'	221.5'	2.4'	2.4'	100	-17					
221.5'	225.0'	3.5'	3.5'	100	-18		30.2' GOUDGY FAULT (1" WIDE)			
226.3'	229.0'	2.7'	2.7'	100	-19					
231.0'	233.8'	2.8'	2.8'	100	-20		46.2' - 46.5' 5mm QTZ VEINLET @ -10°			
252.2'	253.3'	1.1'	1.1'	100	-21					
260.6'	265.3'	3.7'	3.7'	100	-22		47.0' - 47.7' DISTORTED/SHEARED QTZ-CARB VEIN(S) @ -50°. NO VIS SWL.			
265.3'	269.3'	4.0'	4.0'	100	-23					
269.3'	273.3'	4.0'	4.0'	100	-24					
273.3'	276.5'	3.2'	3.2'	100	-25					
276.5'	279.8'	3.3'	3.3'	100	-26		49.2'			
279.8'	282.6'	2.8'	2.8'	100	-27		FRONTIERE FM. / ETHEMIN FM. CONTACT (?)			
291.0'	294.8'	3.8'	3.8'	100	-28					
294.8'	297.6'	2.8'	2.8'	100	-29					
297.6'	300.0'	2.4'	2.4'	100	-30					

Ministère de l'Énergie et des Ressources
 Division des données géologiques
 DATE 13 JAN 1992
 NO G.M. 050887

FOOTAGE					SAMPLE NO.	DESCRIPTION	LITHOLOGY	STRUCTURE	MIN'ZN	ALTER.	SM5
FROM	TO	FT.	FT.REC.	%REC							
300.0'	303.5'	3.5'	3.5	100	9006-31	49.2' - 77.7'			TOURMALENE		
303.5'	305.6'	2.1'	2.1	100	-32	64 TO 64.6M MUDSTONES.					
305.6'	307.8'	2.2'	2.2	100	-33	LOCAL STRONG SHEARING @ 55° - 40°					
307.8'	312.4'	4.6'	4.6	100	-34						
						49.4' S.O @ 60° S.I @ 50°-55°					
						53.0' S.O @ 60° S.I @ 60°					
						69.0' S.O @ 60° S.I @ 60°-65°					
						72.0' S.O @ 45° S.I @ 45°					
						SECOND FAULT SET @ -40°					
						SECTION ALSO CONTAINS 20-30 MM SCALE CARB +/- QZ VEINLETS AT ODD ANGLES TO C.A.					
						54.5' - 54.8' QZ + CARB + CHLOR VEINLET @ 70° W TR. PY CUBES & MOD. FFOX. (SHEARED @ 70°)					
						56.2' - 56.4' SHEARED QZ VEIN @ 30°					
						60.0' - 61.8' 6" QZ VEIN & QZ STRINGERS VEIN @ 60°-65° W 1-3% PY + ASP AS DISCRETE SUB TO FUNDRIAL XTACS GENERALLY 1-2 MM DIAM. STRINGERS HAVE <1% PY (NO ASP NOTED) IN SMALLER STRINGS					
						61.8' - 74.0' 15-20 MM SCALE QZ +/- CARB STRINGERS AT ODD ANGLES. NO VIS. SUL.					
						74.0' - 77.7' 20-25 QZ STRUNG UNITS @ ALL ANGLES, DOMINANTLY @ ≈ 60°. STRONGLY SHEARED					



FOOTAGE		SAMPLE NO.	DESCRIPTION	LITHOLOGY	STRUCTURE	MIN 'ZN	ALTER.	0-1 SM.5
FROM	TO							
			FROM 75.5' - 77.7' GOOD MIN'ZN FROM 74.5' TO 76.0' AS 3-5% Py, MINOR ASP AND TRACES OF GALENA Py OCCURS AS FLEETS & DISCONTINUOUS ACCRETATE SEAMS UP TO 5MM THICK GENERALLY '11 TO SHEAR N. 50°-25° ASP & Gn AS DISCRETE XTALS/BLEETS	270'	S ₁ (60°)	TRACE TO 1% Py, ASP Cp, Po Sph		
				280'				
				290'		TR Py		
		77.7' - 81.6'	MIXED LEAN IRON FM. & DK GN MST MAGNETIC (SM% RANGES 0.2 TO 2.0) S ₀ @ 55°/S ₁ @ 50°	300'		(MASS OF Py + Po) 1-2% Py, Asp, Po		
		81.6' - 87.4'	DK GN / GN MUDSTONE (SILICIC) S ₀ '11 S ₁ @ 60°.	310'		TRACES Cp, Sph, Gn MARCASITE		
				320'				
			82.6' 2MM 'BLEACHED' SEAM IN Py STRINGER @ 60° — 2 FRACT FILLING QTZ VEINLETS (<1cm THICK) @ 55° & ONE 4 INCH QCARB VN & STRINGERS FROM 86.4' - 87.0' SHEARED @ 60°. NO VIS. SUL.	330'				
				334.7'				
				E.O.H.				
		87.4' - 103.0'	SILTSTONE (SILICIC) GY TO LT. GY. S ₀ @ 55° - 60° S ₁ @ 50° - 55°. SHEAR FABRIC @ 45° - 55°					
			87.9' - 90.3' 7-8 QTZ VEINS RANGING 1 TO 8 CM THICK, SHEARED @ 55° - 60° 5-8% CUNOZ. WITH MAIN VEIN. VEINS HOST TRACE AMTS OF Py, ASP & Cp AS DISCRETE XTALS.					
			90.3' - 96.0' 6-7 ≤ 1cm THICK QTZ VNDS @ 45° - 50°. NO VIS. MIN					

FOOTAGE					SAMPLE NO.	DESCRIPTION	LITHOLOGY	STRUCTURE	MIN' ZN	ALTER.	Q ⁺ SM 5
FROM	TO	FT.	FT.REC.	%REC							
						96.1' - 103.0' ≈ 60-70% QTZ (STUNK) VEINS ≤ 1" THICK @ 40°-50°, SHEARED. X SERICITE/SERICITEN OF HOST SLTST. VEINS & SLTST CONTAIN ≤ 1-2% LOCALLY ASP, Py & LOCAL FLECKS OF SPH & Gn. CLINOZ. & CHLORITE CLOTS ASS'D W/ MOST VEINS.					
			0			(SILIC)					
						103.0' - 149.0' Gy TO Gy-GN MUDSTONE. So VERY FAINT TO NON-EVIDENT. (? ≈ 60°); S.P. 50°-70°					
						103.0' - 112.0' STRONG FRACTURING. CORE V. BRN UP; FAULT AT 103.1' (V. GLODDY/CLAYEY) ORIENTATION?					
						112.0' - 113.5' 20-30% QSTK VNLS @ ODD ORIENTATIONS, AVG. THICKNESS OF VEINS ≈ 3-5mm (UP TO 2cm). TRACE Py.					
						115.7' - 117.3' 5-6 QTZ VNLS, 5mm TO 2cm THICK @ ODD ANGLES. NO VIS. SUL.					
						120.6' - 123.5' 5-6 QTZ VNLS & ONE 3" VEIN @ ODD ANGLES, AVG ≈ 60°. LG. VEIN HAS ≈ 1% BLACK TOURMALENE (<1mm (Lg) XTALS					
						136.2' - 149.0' LOWER / NEGLIGABLE SILICIFICATION. CORE V. BRN UP, MUDDY SERICITIC. TRACE ASP (XTALS) AT 140.4'					

FOOTAGE		SAMPLE NO.	DESCRIPTION	LITHOLOGY	STRUCTURE	MIN' ZN	ALTER.	SM 5
FROM	TO							
	149.0' - 194.8'		MIXED LIF & DARK GREEN MST (ALTERNATELY MAGNETIC & NON-MAG) WEAKLY TO NON-SILICIC. CORE HEAVILY FRACTURED, BROKEN UP (SHEARED; SLICKS ON MANY S ₁ SURFACES)					
			RD-BROWN MST INTERVALS					
			150.3' - 157.5' (MIXED/SHEARED W/ GN MST)					
			158.8' - 161.0' GN MST W/ 20% LIF					
			167.3' - 170.6' LIF + GN MST (60-70)					
			176.9' - 185.0' LIF W/ ~10% GN MST					
			ALL OTH. INTERVALS ARE DK GN TO GN MST, LOCALLY SERCITIC (ie 165'-166')					
			S ₁ @ 65°-70° THROUGHOUT. S ₀ ERASED BY SHEARING. ONE SILTY/SANDY BED 4" THICK W/ S ₀ @ 60° (173'-173.4')					
			170.6' - 172' FAULT ZONE. (RUSH-GOUDRY CORE STRONG SHEARING. FAULT @ 70° (S ₁))					
			182.0' - 192.0' 15-20 mm SCALE CARB VEINLETS IN S ₁ PLANE (70°)					
	194.8' - 204.2'		MUDSTONE WITH MAFIC INTRUSIONS. MUDSTONE RANGES GY-GN TO DK GY BEDDING @ 60°; S ₁ @ 60°-765°-770° OVERALL V. SILICIC TO CHERY.					
	194.8' - 204.2'		GN-GY SILICIC MST. 10-15 QZ VNLTs @ 60°-70° (DEFMD) (WPTO 1", AVG. 5mm) BETWEEN 201.7' - 203.6'					

FOOTAGE		FT.	FT. REC.	% REC.	SAMPLE NO.	DESCRIPTION	LITHOLOGY	STRUCTURE	MIN 'ZN	ALTER.	O' SM5
FROM	TO										
						204.2' - 204.7' GABBROIC SILL (?)					
						GN-Gy, V. FINE GR'D.					
						≤ 30% < 1cm THICK QTE VNLTs					
						(DEFMD) C ≈ 70° ? SHEARED					
						& SILICIFIED? CONTACTS @ ≈ 70°.					
						≤ 1% Py AS ONE DISCONTINUOUS					
						MM SCALE SEAM IN THE GAB.					
						206.4' - 207.0'					
						3-4 mm SCALE					
						Py STRINGERS @ 70° (H.S.)					
						207.5' - 208.4' GABBROIC SILL, A.A.					
						≤ 10% QTE VNLTs UP TO 1cm					
						THICK @ 60°-50°					
						1-2% Py AGGREGATES/BLBS					
						IN VNLTs.					
						208.4' - 211.2'					
						DK Gy MST w 7 QTE					
						VEINS UP TO 3cm THICK					
						(AVG. 1-2 cm) @ 50°-70°					
						LOCALLY 1-2% Py SEAMS					
						IN THE VNLTs.					
						210.7'					
						8mm THICK MAFIC					
						FINGER w ≈ 3-5% Py					
						AGGREGATES. CONTACTS					
						SHARP @ 60°.					
						211.2' - 221.5' GABBROIC (SILL?)					
						GAB CONTACTS SHARP					
						UPPER @ 60°					
						LOWER @ 50°					
						LIGHT GN, FINE TO					
						MEDIUM FINE GRAINED.					
						SHEAR FABRIC. OVERALL					
						(QTE + CARB + CHLOR) → ≈ 25% QTE AS 8-9 DEFMD					
						VEINS ± CLINOZ.					
						VEINS UP TO 1/4 FT (AVG 1/2")					
						215.2' - 216.6' 1.4 FT QTE VEIN					
						(± CLINOZ + CHLOR.) @ 50°					
						SHEARED.					
						THICK. GAB MATRIX					
						CONTAINS 1-3% (LOCALLY					
						3-5%) COARSE Py					
						AGGREGATES/BLBS +					

FOOTAGE		FT.	FT. REC.	% REC.	SAMPLE NO.	DESCRIPTION	LITHOLOGY	STRUCTURE	MIN' ZN	ALTER.	Ω ⁺ SM 5
FROM	TO										
						DISCONTINUOUS SEAMS UP TO 5mm ± IN DIAMETER.					
						221.5'-225.0' 10-15 SHEARED QTZ UNITS + TRACE (p, Po & G) → AVG. ≤ 1cm THICK @ 50°-60°. TRACE TO 1% PY BLEBS IN UNITS.					
						226.3'-227.0' ≈ 25 QTZ UNITS AVG. 0.5mm THICK @ 50°-60°. TRACE PY IN UNITS = HOST MST					
						229.0'-231.0' SILTY INTERVAL, S ₀ & FINING? (NOT DISCREENABLE); 2-3 ≤ 5mm THICK QTZ UNITS @ 50°.					
						231.0'-233.8' 15-20 5mm ± QTZ UNITS @ 50°-60° IN SILICIC DK GY-GN MST. ≤ 1% - 1% CHALCO ±- PO BLEBS & MASSES (3-5mm DIAM) AND FECKS OF SPHALERITE IN LOCAL UNITS & IN SCISSORING FRACTURES.					
						233.8'-235.5' CORE V. BKN / FRACT'D (? FANCT?)					
						235.5'-252.2' DK GY TO ELY/BLE V. CHERTY MST, ONLY 5-6 mm SCALE QCARB UNITS THROUGH THIS INTERVAL					
						252.2'-253.3' LT. GY V. CHERTY (?) MST WITH ≈ 5% PO CONTENT. PO AS MASSES UP TO 1cm THICK (MOST mm SCALE) FILLING FRACT'S @ 70°-85°. PO MAGNETIC (UP TO 2.0)					

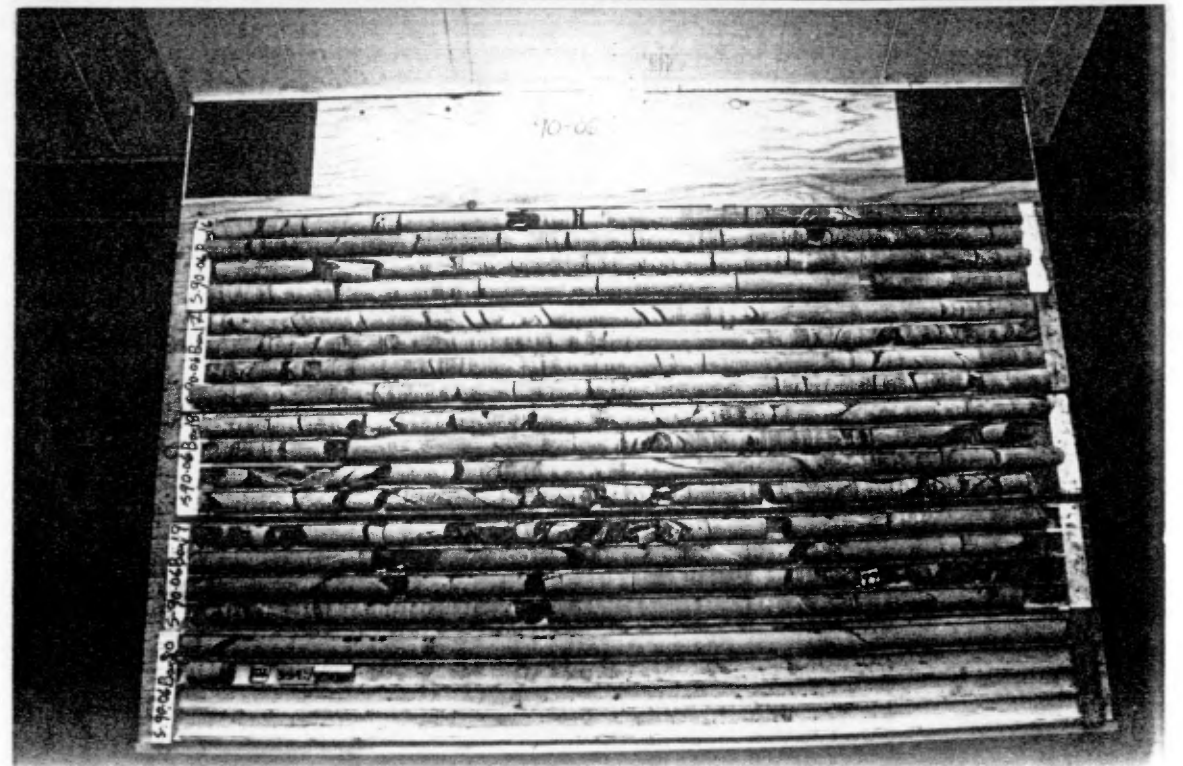
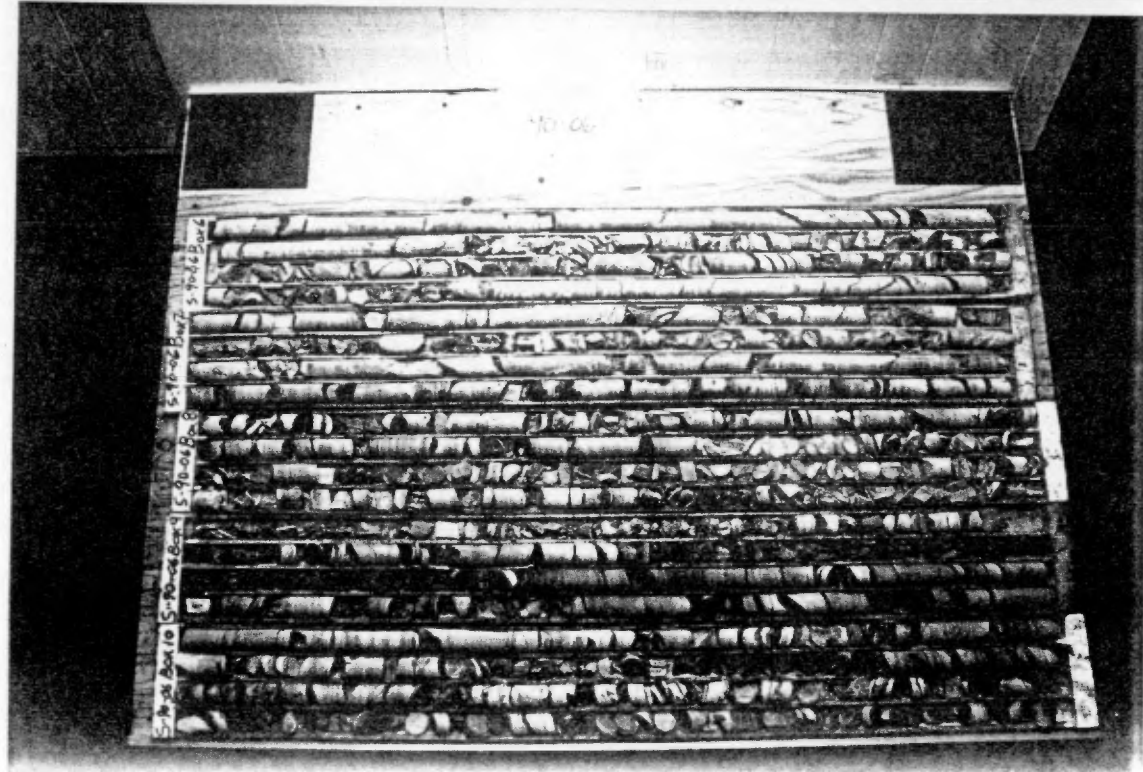
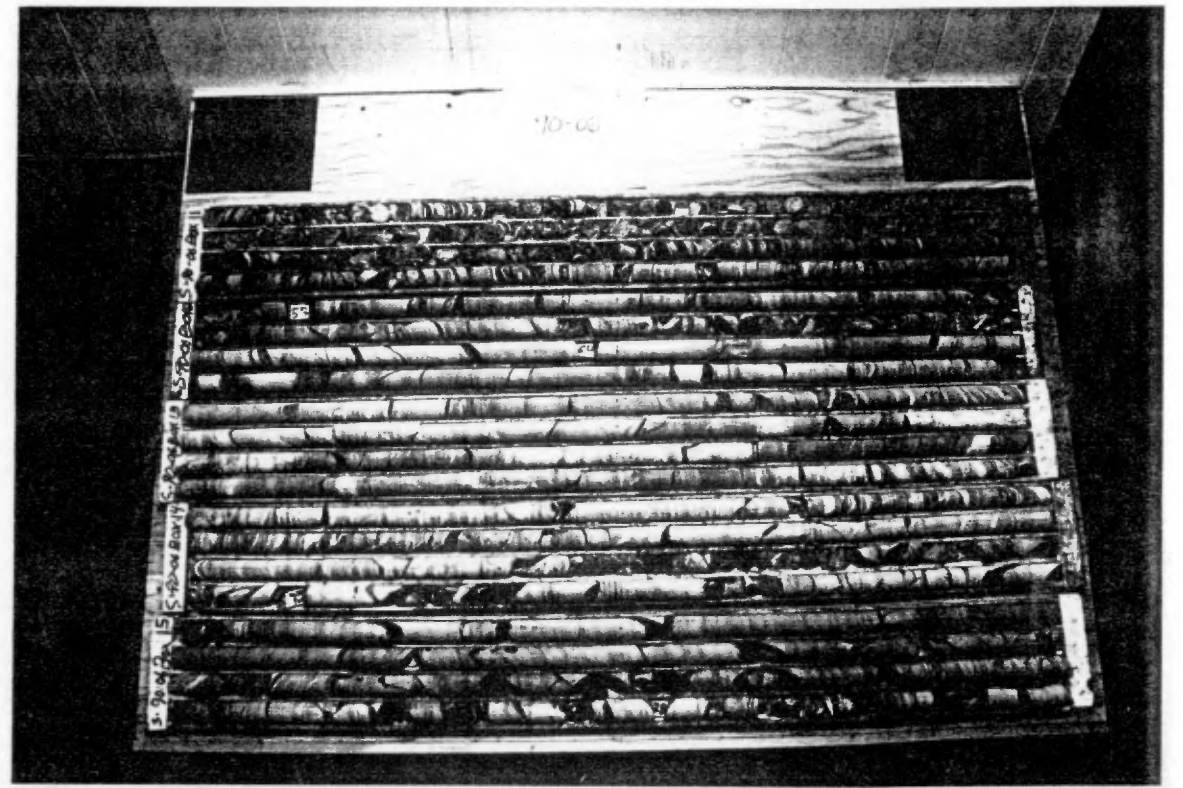
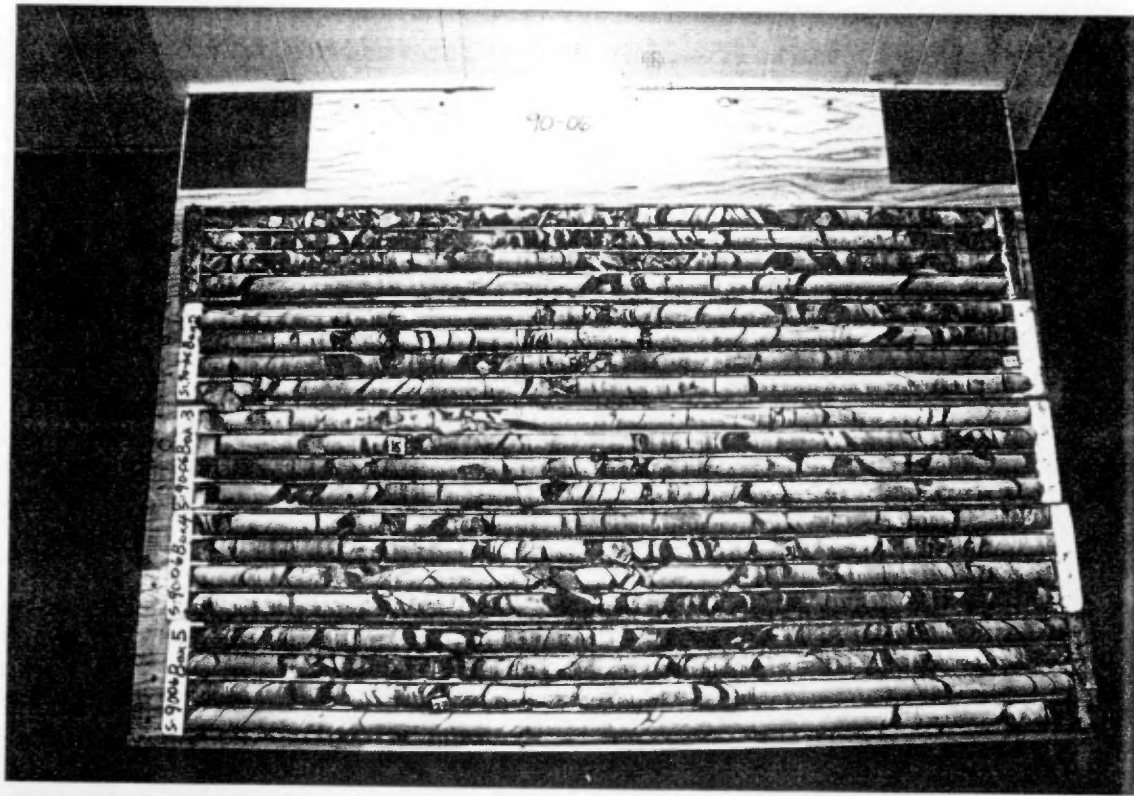
FOOTAGE		SAMPLE NO.	DESCRIPTION	LITHOLOGY	STRUCTURE	MIN'ZN	ALTER.	Q- SM 5
FROM	TO							
			257.2' - 32.4' SILTSTONE TO GREY/WACKE (w ^{MATRIX} FELSIC INTRUSIVES) DKEN TO DKGY-GN. FINE TO V. COARSE GRAINED, X.B: SILICIFICATION HAS DESTROYED ORIGINAL GRAINS BUT 'MACRO FABRIC' STILL EVIDENT. FINING APPEARS TO BE DOWNHOLE. NO PERSASIVE CLEANAGE, BUT FRACTURES (RARE) TEND AT 60°-70°.					
			(AVG ≤ 5mm THICK) → ≈ 5-8% QSTK UNITS UP TO 282.6' 25-30 UNITS. UNITS @ ALL ANGLES, LOCALLY BREAK UP BY SHEARINGS & RESILIFIED LOCAL PATCHY DISSEM'S OF CLINOZ (ie. ASSOCIATED WITH SILICIFICATION).					
			260.5' - 282.6' V. WEAK MINERALIZATION THROUGH THIS SECTION (SILICIFIED SLTST), TRACES TO LOCALLY ≈ 1% Py, ASP, CP ⁺ -Po AND SPH. MINZN OCCURS AS FLECKS & BLEBS IN MATRIX OF SIL. SLTST & WITHIN THE SMALL QSTK UNITS. RARE Py BLEBS UP TO 5-8 mm DIAM & ONE 2mm FRACT. FILLING SEAM.					
			282.6' - 291.0' RESILIFIED GINKE, V. COARSE GR'D. ORIGINAL QTZ UNITS(?) LIKELY ALSO SHEARED INTO MATRIX. ONLY 5-8 mm SCALE QTZ UNITS @ ODD ANGLES. SPARSE TRACES OF Py. POSSIBLE?					
			291.0' - 312.4' BRECCIATED INTRUSIVE(?) ? POSS. STRONGLY SERICITIZED SED? GY-CREAM COLORED, INTENSELY SILICIFIED BRECCIA; V FINE TO FINE GRAINED (? ORIGINAL TEXTURE DESTROYED?) POSSIBLE IF UCOLZATIC SILL? SUB MM SCALE					

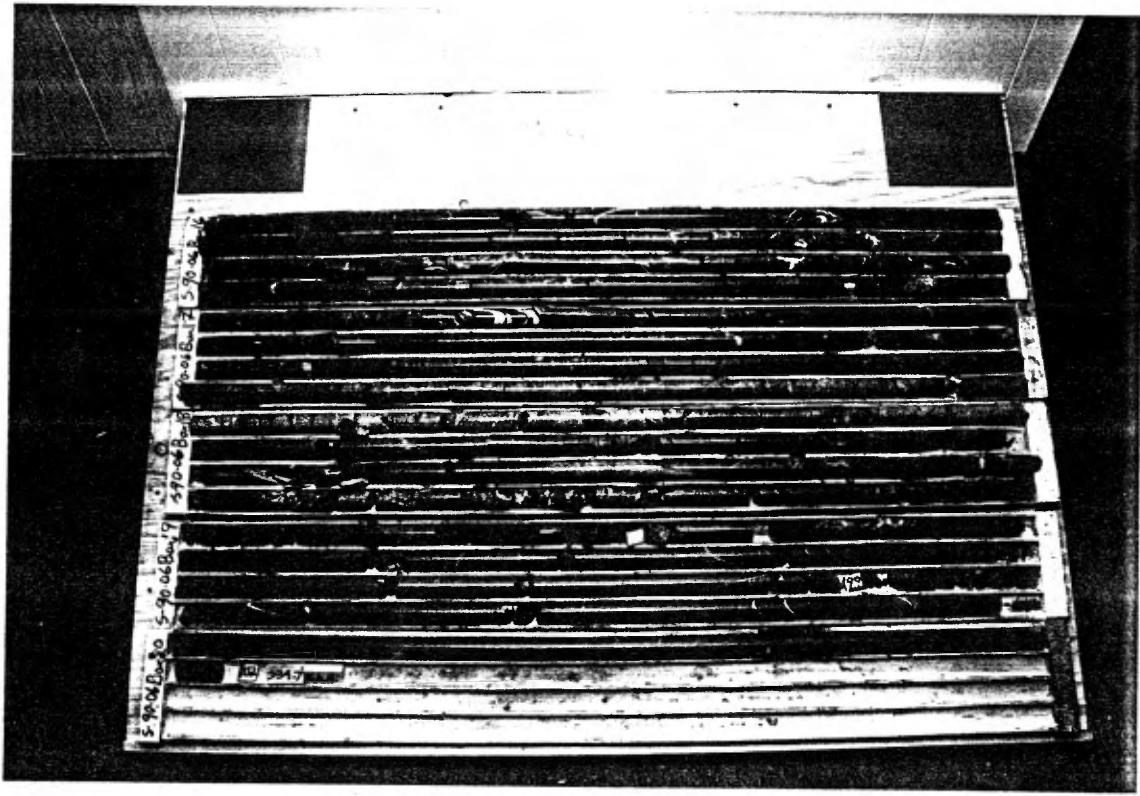
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HOLE NO. 90-06

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FOOTAGE		FT.	FT.REC.	%REC	SAMPLE NO.	DESCRIPTION	LITHOLOGY	STRUCTURE	MIN'ZN	ALTER.	Q ⁺ SM 5
FROM	TO										
						ALTERED PSEUDO-XSTALLINE GROUNDMASS (? XTALS = ALTERED FELDSPARS?) ; BX MATRIX IS CHLORITE (CHLORITIZED). GENERAL ABSENCE OF VEINING (ie 5-10 QTZ ^{MIN SCALE} VNLS THROUGHOUT SECTION). SECTION IS (1-2% Py, Asp, Po.) WELL MINERALIZED WITH PYRITE, ASP, Po, WITH TRACES OF Cp, Sph & GALENA. MARCASITE OCCURS LOCALLY ON FRACTURE SURFACES.					
						MINERALIZATION (ASIDE FROM MARCASITE) OCCURS DOMINANTLY IN THE CHLORITIC BX MATRIX AS AGGREGATE BLENDS, FLECKS ; DISCRETE XTALS & XTAL GROUPINGS.					
						298.0' - 298.2' LARGE FRACT. FILLING MASS OF Py + ASP (70% - 80%)					
						305.8' - 306.0' SMALL MAFIC CRYSTALIC SILL W/ SHARP CONTACTS @ 70° - 75°.					
					306.0' - 307.0' SMOKEY/GY INTENSELY SILICIFIED (? ALTERED QTZ VN?)	DK GN, CHLORITIC 1% Py IN MATRIX, + TRACE ASP TO + CP					
						307' 1 CM FELSIC DIKE @ 10° TO CA COARSE XTALLINE, CREAMY COLOUR. TRACE Py, Po IN MATRIX					
						310.5' - 311.6' INTENSE FRACTURING (UNHEALED) @ 25° - 30°					
						LIGHT BLUE MM SCALE XTALS OCCUR ON LOCAL FRACT SURFACES. SIMILAR TO THOSE SEEN IN 8710A, THEY ARE LIKELY ANATASE XTALS (SEE L.L. REP. REPORT, July 23/87 p. 103)					





RAPPORT: C90-50102.4

DATE DE L'IMPRESSION: 2-MAR-90

PROJET: AUCUN

PAGE 1

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Au GTM	Au GTM
D2 S9006-01		<0.07	<0.07
D2 S9006-02		0.68	0.76
D2 S9006-03		2.14	2.75
D2 S9006-04		0.15	0.32
D2 S9006-05		<0.07	<0.07
D2 S9006-06		1.10	1.37
D2 S9006-07		0.08	0.13
D2 S9006-08		0.17	0.16
D2 S9006-09		0.14	0.08
D2 S9006-10		<0.07	<0.07
D2 S9006-11		<0.07	<0.07
D2 S9006-12		<0.07	<0.07
D2 S9006-13		<0.07	<0.07
D2 S9006-14		<0.07	<0.07
D2 S9006-15		<0.07	<0.07
D2 S9006-16		<0.07	<0.07
D2 S9006-17		<0.07	<0.07
D2 S9006-18		<0.07	<0.07
D2 S9006-19		<0.07	<0.07
D2 S9006-20		<0.07	<0.07
D2 S9006-21		<0.07	<0.07
D2 S9006-22		<0.07	<0.07
D2 S9006-23		<0.07	<0.07
D2 S9006-24		<0.07	<0.07
D2 S9006-25		<0.07	<0.07
D2 S9006-26		0.07	0.07
D2 S9006-27		0.10	<0.07
D2 S9006-28		1.33	0.81
D2 S9006-29		0.28	0.07
D2 S9006-30		1.10	1.15
D2 S9006-31		<0.07	<0.07
D2 S9006-32		<0.07	<0.07
D2 S9006-33		0.33	0.31
D2 S9006-34		<0.07	<0.07

Richard Deschambault

Work Order : R-0065

KMS

DDH 9006

Sample Number	Conc.		Bead	Conc.		Fines		Float	Head Sample		Sites			
	Wt. g	Wt. g	Wt. mg	g/t Au	Wt. g	g/t Au	g/t Au	no float	w/float	+10	+20	-20+60	-60+100	
NORTH ZONE														
9006-01	45	9.71	1.61	165.83	13	0.40		36.10	1.053	*	*	*	*	
9006-02	476	29.32	0.15	4.95	93	2.39		2.55	0.074	*	*	*	*	
9006-03	753	23.29	2.68	115.08	159	18.16		21.16	0.617	*	*	2	10	
9006-04	376	22.35	0.01	0.54	79	0.74		0.73	0.021	*	*	*	*	
9006-05	0	0.00	0.00		0	0.00				*	*	*	*	
9006-06	587	23.08	0.06	2.43	147	0.99		1.05	0.031	*	*	*	*	
9006-07	633	20.95	0.01	0.57	172	0.15		0.16	0.005	*	*	*	*	
9006-08	1472	25.74	0.33	12.82	432	0.53		0.74	0.022	*	*	*	1	
9006-09	371	15.84	0.00	< 0.07	107	0.08		0.08	0.002	*	*	*	*	
9006-10	446	17.78	0.00	< 0.07	95	0.08		0.08	0.002	*	*	*	*	
9006-26	1217	30.03	0.01	0.33	298	0.04		0.05	0.001	*	*	*	*	
9006-27	793	17.69	0.17	9.89	156	1.43		1.62	0.047	*	*	*	1	
9006-28	1410	21.81	0.25	11.46	267	1.75		1.90	0.055	*	*	*	*	
9006-29	953	24.75	0.00	0.08	212	0.77		0.75	0.022	*	*	*	*	
9006-30	986	23.92	0.32	13.38	223	2.05		2.32	0.068	*	*	*	*	
9006-31	1548	20.14	0.04	1.79	321	0.07		0.09	0.003	*	*	*	*	
9006-32	553	21.45	0.00	< 0.07	100	< 0.07		0.07	0.002	*	*	*	*	
9006-33	657	19.54	0.03	1.59	120	0.44		0.47	0.014	*	*	*	*	
9006-34	1297	26.55	0.00	< 0.07	297	0.19		0.19	0.006	*	*	*	*	

PROJECT NORTH ZONE / BELLECHASSE PROJECT				INCLINATION TESTS						HOLE NO. 90-07
CLAIM P05959	TOWNSHIP ROLETTE/PANET	RANGE VII/E LOT 35/35	COLLAR	DEPTH	DIP	DEPTH	DIP	DEPTH	DIP	
OCCURRENCE NORTH ZONE	GRID NZ 1987	COORD 3+40E / 0+70N	433.1		43°					DRILLED BY ST. LAMBERT
LENGTH 433.1'	HORIZ.	VERT.	AZIMUTH 135°	CORE SIZE BQ						STARTED FEBRUARY 17, 1990
ELEV. 1466'	LOGGED BY Luc Daigle	DATE Feb 25, 1989								FINISHED FEBRUARY 20, 1990

FROM	TO	FOOTAGE FT.	FT. REC.	% REC.	SAMPLE NO.	DESCRIPTION	LITHOLOGY	STRUCTURE	MIN'ZN	ALTER.	Ω-1 SM'S
192.5'	194.7'	2.2'	2.2	100	9007-1	0.0' - 3.0'					
196.6'	198.6'	2'	2	100	9007-2	0.0' - 13.1'					
198.6'	200.6'	2'	2	100	9007-3						
200.6'	202.6'	2'	2	100	9007-4	13.1' - 433.1	Etchemin Formation / FRONTIERE FM.				
202.6'	204.6'	2'	2	100	9007-5						
204.6'	207.1'	2.5'	2.5	100	9007-6	The hole is comprised of fining downhole turbidite sequences. Also thick units of green, grey, and red mudstone are common. Mineralization is observed as sulphidic mudstones and greywackes, and in quartz/carb stock work systems.					
207.1'	209.1'	2'	2	100	9007-7						
271.0'	272.0'	1'	1	100	9007-8						
286.9'	291.9'	5'	5	100	9007-9						
291.9'	292.9'	1'	1	100	9007-10						
292.9'	294.25'	1.35'	1.35	100	9007-11						
294.25'	295.6'	1.35'	1.35	100	9007-12						
309.3'	310.3'	1'	1	100	9007-13						
310.3'	310.55'	2.5"	2.5"	100	9007-14						
310.55'	315.0'	4.45'	4.45	100	9007-15						
315.0'	320.0'	5'	5	100	9007-16	13.1' - 71.4'	Light grey, coarse grained, massive and fining downhole greywacke.				
320.0'	324.8'	4.8'	4.8	100	9007-17	FRONTIERE FM.					
324.8'	330.6'	5.8'	5.8	100	9007-18						
330.6'	336.0'	5.4'	5.4	100	9007-19						
336.0'	341.0'	5'	5	100	9007-20						
341.0'	346.0'	5'	5	100	9007-21						
393.3'	398.3'	5'	5	100	9007-22	(smaller conc at 64.9)	1" thick occurs at 67', from 67' to 59' the greywacke is sulphidic with seams and blebs of fine grained py. <22% S ₁ ≈ 45° S ₀ ≈ 70°				
405.2'	410.2'	5'	5	100	9007-23						
410.2'	415.2'	5'	5	100	9007-24						
415.2'	420.2'	5'	5	100	9007-25						
420.2'	425.2'	5'	5	100	9007-26						
425.2'	430.2'	5'	5	100	9007-27	FRONTIERE FM. 71.4' - 90.1'	Light grey greywacke and mudstone, intercalated, fining down hole sequences of greywacke to thin mudstones 12 sequences form this unit.				
430.2'	433.1'	2.9'	2.9	100	9007-28						



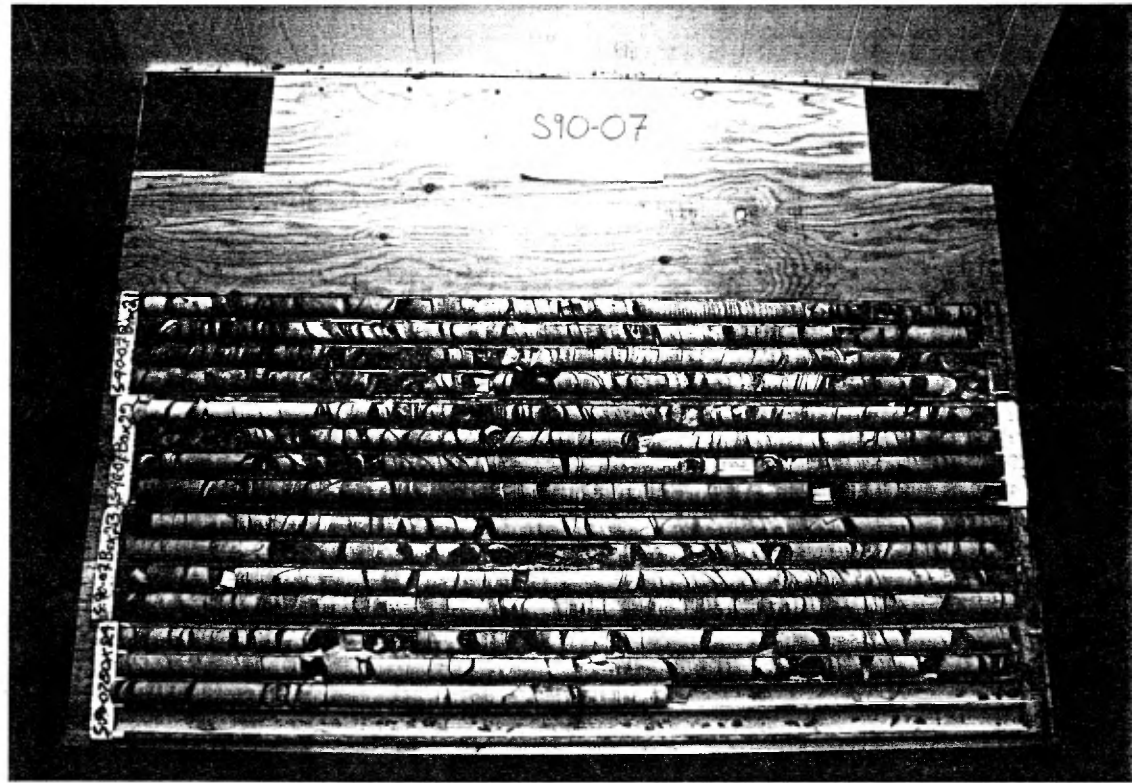
FOOTAGE		SAMPLE NO.	DESCRIPTION	LITHOLOGY	STRUCTURE	MIN'ZN	ALTER.	SM5
FROM	TO							
			$S_1 \approx 45^\circ, S_0 \approx 70^\circ$					
	90.1 - 95.6		FRONTIERE FM. Light green mudstone, this is the fine down hole end of the last greywacke in the previous unit. The contacts are gradational. The greywacke base to this unit is sulphidic with large py cubes (5cm) and disseminations. A 1/2" quartz/carb/chlorite vein occurs at 93.6'. $S_1 \approx 45-65^\circ, S_0 \approx 65^\circ$ S ₁ refracts to sub to S ₀	Ag	S ₁ ≈ 65° S ₀ ≈ 65° S ₁ ≈ 55° S ₀ ≈ 65°	about 12 cm thick Quartz/carb/chlorite veins < 1% Py in the sds.		
	95.6 - 127.5		FRONTIERE/ETHEMINI CONTACT (Lean Iron Formation) Red mudstone with some green intercalations. (LIF) Both upper and lower contacts are gradational. The rock is highly fissile parting along the cleavage vertically. The cleavage is kinked in some places. The unit is non magnetic to weakly magnetic (SM-S, 0.1-0.2) $S_1 \approx 60^\circ, S_0 \approx 60-65^\circ$	Ab, c	Fractured S ₁ ≈ 60° S ₀ ≈ 60° u.c. S ₀ Complete direction and silicification gradational u.c. S ₀ 60°	quartz/carb/chlorite veins < 1% Py in sds Sericite in and around veins Blanched Silicified Completely silicified		
	127.5 - 143.4		Light green to grey mudstone. High fissile, contains about 12 Quartz/carb/chlorite veins ≈ and < 1cm thick. The unit is slightly sulphidic < 1% Py. Also the unit progressively became green downhole. The Qv are to S ₁ which is sub to S ₀ ≈ 65°		S ₁ ≈ 50° S ₀ ≈ 60°	≈ 2-4% Asp/Py & trace galena at 205' forming npts 10% ? chlorite ? porphyblasts ? tourmaline		
	143.4 - 179		Light green silty greywacke thin to thickly laminated. The unit is cut by numerous quartz/carb/chlorite veins cutting the core to S ₁ to S ₀ ≈ 55-65°					

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FOOTAGE		SAMPLE NO.	DESCRIPTION	LITHOLOGY	STRUCTURE	MIN 'ZN	ALTER.	G-SM5
FROM	TO							
			Sericite alteration occurs around veins and also in areas without veins. The unit fines downhole, the lower half of the unit is fractured and bleached. Sulphides occur only sparsely, usually as py in or around quartz veins < 1%.	260	Fault gouge	chloritic & < 1% Asp		
				270	S ₁ ≈ 60° S ₂ ≈ 65°	Traces of galena & Py		
		177.0 -		280	S ₁ & S ₂ ≈ 65°	Thin veins of Il to S ₁ & S ₂		
		179.0-192.5	Light grey-green silty greywacke. This sequence fines downhole and is cut by quartz/carb/chlorite stockwork in the middle. Silicification and quartz veining cut the core II to I to S ₁ ≈ S ₂ ≈ 60°	290	S ₁ ≈ 50° S ₂ ≈ 60°	85% Quartz/carb/chlorite 1-3% Asp/Py Trace tourmaline & trace galena/spin.	Slightly silicified	
			No sulphides present	300	S ₁ ≈ 53°			
		192.5-207.1	Quartz stock work and completely silicified rock, with an interval of silty greywacke from 194.7 to 196.6. The stock work here is highly mineralized 2-4% Asp & Py. The veins have highly variable dip and size, carb, chlorite and possible sericite are common. Tourmaline occurs near the lower contact @ 206.5-207.1	310		Quartz/carb/chlorite veins Trace Py & spin & galena & Po/Sp		
				320	Fracture & gouge			
				330	S ₁ & S ₂ ≈ 55°			
				340	Kinks ↓ to S ₁ & S ₂	Numerous thin quartz/carb veins with trace Py Cu/Sp/As and minor chlorite	Silicification around veins	
		207.1-256.2	Light grey-green greywacke, siltstone, and mudstone form several intercalated fining downhole sequences. From thickly bedded to thinly laminated. The unit is slightly silicified and contains a couple thin QV. S ₂ ≈ 60 S ₁ ≈ 53°	350				
			Zone of tourmaline	360				
			Asp/Py	370				
			intervals laminated Q.V. that grade the larger stockwork	380				
			tourmaline	390				
		256.2-273	Fault gouge, Gray green mudstone polished, silicified and brecciated. The rock is chloritic, py, tin < 1% and is cut by numerous thin to thick ≈ 1.5' Quartz/carb veins containing < 1% ASP. The fault planes and fractures	400	S ₁ ≈ 61° S ₂ ≈ 67°	< 1-15% Py in seams and veins Il to S ₂		
			Veins grade into cavity vein over 5 feet.	410				
				420				
				430				
				440				

FOOTAGE		FT.	FT.REC.	%REC.	SAMPLE NO.	DESCRIPTION	LITHOLOGY	STRUCTURE	MIN'ZN	ALTER.	SM 3	
FROM	TO											
						are highly variable in orientation, in places \perp to TCA.	400					1.7
							410					1.6
					LIFV	273-277.4 Light grey-brown to pale green mudstone fining down hole. Lower contact bedding $S_0 \approx 65^\circ$, $S_1 \approx 60^\circ$ TCA. One Quartz/Carb/ chlorite vein 1.5" thick cut the unit sub \perp to $S_0 \& S_1$. (LIF LIF)	quartz eye bed	$S_1 \approx 61^\circ$				0
							420	$S_0 \approx 70^\circ$				0
							430					0
							433.1					0
							440	EOH				0
						277.4-291.9 Light grey silty grey wacke fines down hole. Thin gouges occur at 282.8' & 278.4' and a 2" thick quartz/carb vein \perp to $S_0 \& S_1 \approx 65^\circ$						0
						291.9-295.6 Quartz vein & stockwork with silty grey wacke inclusions and intervals. The unit is about 85% quartz, The vein contain carb & chlorite, 1-3% Px, Asp and trace formaline? The main body of the vein is sub \perp to $S_0 \& S_1$						0
						295.6-297.6 Light grey to grey silty mudstone to mudstone fining down hole sequence. With minor quartz/carb vein \perp to \perp to $S_0 \& S_1 \approx 50-60$. The unit is slightly silicified.						0
						297.6-324.8 Light grey grey wacke. This unit is part of a fining down hole sequence. The lower half of the unit from 306.7 to 324.8 is cut by quartz stockwork veins <1mm to 3" in thickness, with highly variable orientation. A thick fracture and gouge interval occurs from 321.3-324.8.						0

<1-3% Px in seams of desimination \perp to S_0 trace Asp/ep



LITEE

Nérée Tremblay
 100, Québec G1N 4H7
 (418) 683-1777
 FAX: (418) 683-7791

CHIMITEC LITEE

RAPPORT D'ANALYSE
 GÉOCHIMIQUE

RAPPORT: C90-50154.0

DATE DE L'IMPRESSION: 23-MAR-90

PROJET: AUCUN

PAGE 1

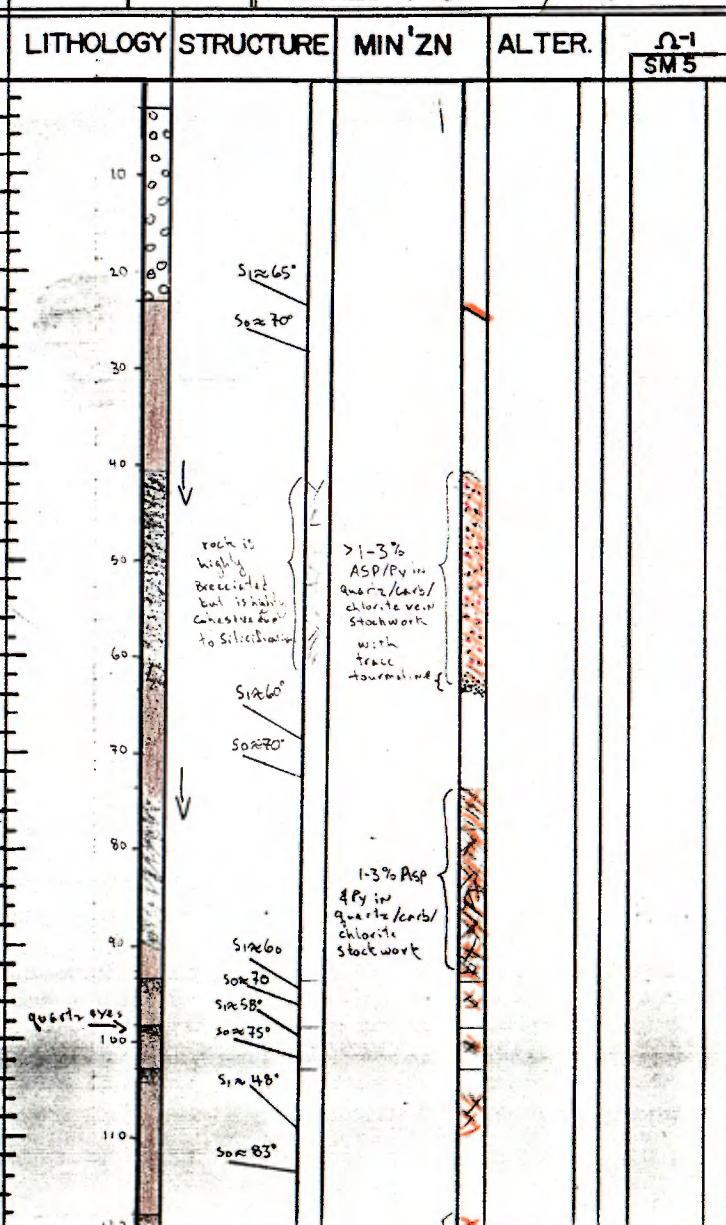
NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Au PFB	Au PFB	Au PFB
D2 9007-01		<5		
D2 9007-02		997		
D2 9007-03	0.032	1072	622	
D2 9007-04		46		
D2 9007-05		165	221	88
D2 9007-06		940		
D2 9007-07		24		
D2 9007-08		818	1046	
D2 9007-09		<5		
D2 9007-10		<5		
D2 9007-11		271		
D2 9007-12		319		
D2 9007-13		<5		
D2 9007-14		7		
D2 9007-15		<5		
D2 9007-16		181		
D2 9007-17		215		
D2 9007-18		57		
D2 9007-19		85		
D2 9007-20		35		
D2 9007-21		8		
D2 9007-22		15		
D2 9007-23		<5		
D2 9007-24		<5		
D2 9007-25		<5		
D2 9007-26		32		
D2 9007-27		<5		
D2 9007-28		10		

Work Order : R-0065
KMS

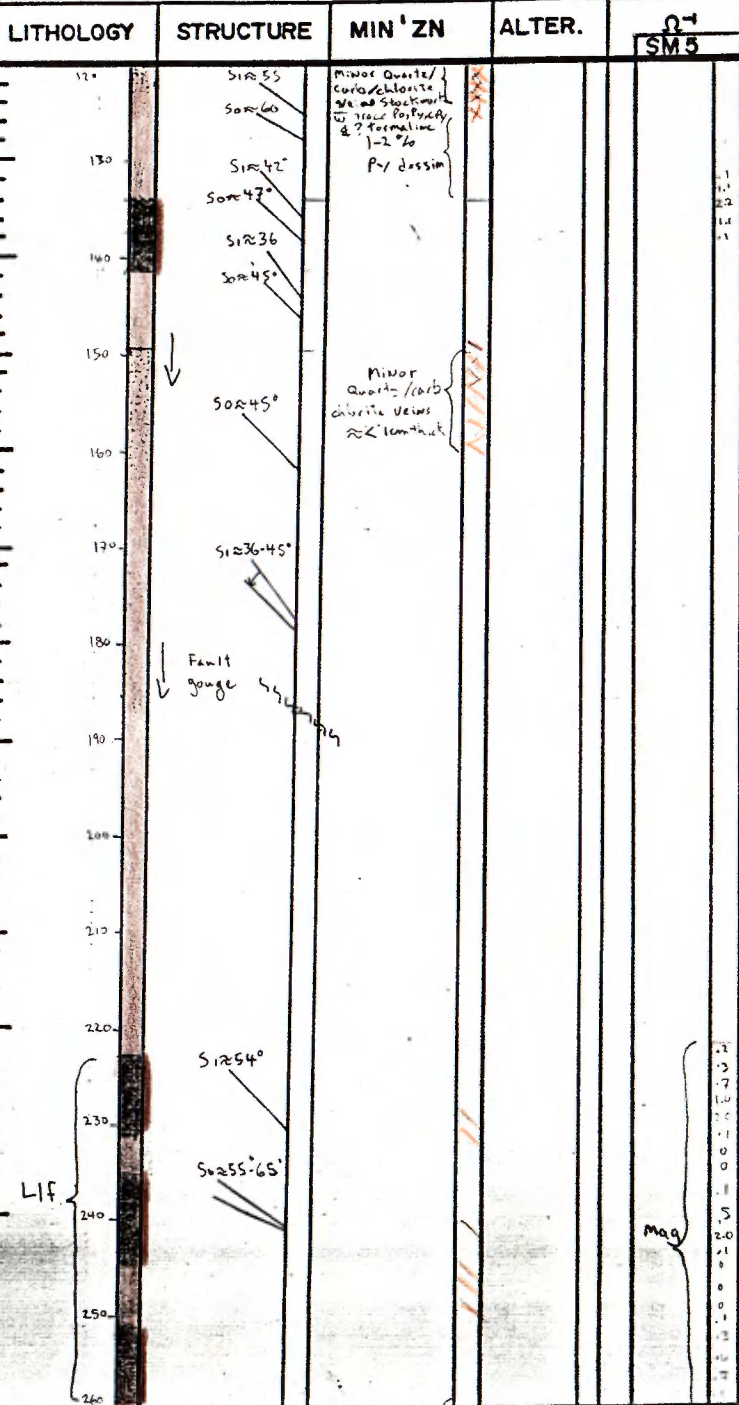
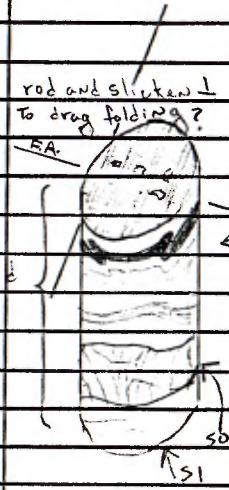
DDH 9007

Sample Number	Conc.		Bead Wt. mg	Conc.		Fines Wt. g	Fines g/t Au	Float g/t Au	Head Sample		Sites			
	Wt. g	Wt. g		g/t Au	g/t Au				no float	w/float	+10	+20	-20+60	-60+100
NORTH ZONE														
9007-01	746	19.71	0.00	0.10	245	< 0.07		0.07	0.002	*	*	*	*	
9007-02	553	18.79	0.15	7.98	131	1.11		1.34	0.039	*	*	*	*	
9007-03	655	19.47	0.12	6.31	126	1.06		1.22	0.036	*	*	*	*	
9007-04	586	26.63	0.00	0.05	112	0.35		0.34	0.010	*	*	*	*	
9007-05	746	19.16	0.02	1.28	172	0.46		0.48	0.014	*	*	*	*	
9007-06	694	17.55	0.25	13.99	141	1.37		1.69	0.049	*	*	*	*	
9007-07	656	23.35	0.05	2.26	173	0.19		0.26	0.008	*	*	*	*	
9007-08	2165	24.23	0.15	6.22	676	2.35		2.39	0.070	*	*	*	*	
9007-09	1947	28.34	0.05	1.59	590	0.07		0.09	0.003	*	*	*	*	
9007-10	219	13.97	0.00	< 0.07	64	0.67		0.63	0.018	*	*	*	*	
9007-11	343	33.54	0.03	0.88	76	0.47		0.51	0.015	*	*	*	*	
9007-12	388	19.24	0.04	2.15	88	0.77		0.84	0.024	*	*	*	*	
9007-13	216	17.34	0.00	< 0.07	60	< 0.07		0.07	0.002	*	*	*	*	
9007-14	53	9.31	0.00	< 0.07	15	0.23		0.20	0.006	*	*	*	*	
9007-15	2081	16.99	0.00	0.17	610	< 0.07		0.07	0.002	*	*	*	*	
9007-16	2116	19.40	0.04	2.31	547	0.57		0.59	0.017	*	*	*	*	
9007-17	1339	24.65	0.03	1.02	410	0.20		0.22	0.006	*	*	*	*	
9007-18	2383	18.74	0.20	10.71	658	0.31		0.39	0.011	*	*	*	*	
9007-19	1978	19.62	0.05	2.57	418	0.49		0.51	0.015	*	*	*	*	
9007-20	1761	28.28	0.12	4.08	344	0.55		0.61	0.018	*	*	*	1	
9007-21	2459	23.00	0.00	< 0.07	690	< 0.07		0.07	0.002	*	*	*	*	
9007-22	2036	21.00	0.00	< 0.07	602	< 0.07		0.07	0.002	*	*	*	*	
9007-23	2312	21.63	0.00	0.11	651	< 0.07		0.07	0.002	*	*	*	*	
9007-24	2145	15.98	0.00	< 0.07	618	< 0.07		0.07	0.002	*	*	*	*	
9007-25	1910	18.04	0.00	< 0.07	495	< 0.07		0.07	0.002	*	*	*	*	
9007-26	2034	29.99	0.00	0.16	536	< 0.07		0.07	0.002	*	*	*	*	
9007-27	1863	23.00	0.00	< 0.07	492	< 0.07		0.07	0.002	*	*	*	*	
9007-28	989	24.68	0.00	< 0.07	234	< 0.07		0.07	0.002	*	*	*	*	

PROJECT BELLECHASSE					INCLINATION TESTS						HOLE NO. 90-08				
DEPTH		DIP		DEPTH		DIP		DEPTH		DIP					
CLAIM	705958	TOWNSHIP	ROUETTE / PANET	RANGE	VII / I	LOT	3A / 3A	COLLAR	50°					DRILLED BY	ST. LAMBERT
OCCURRENCE	NORTH ZONE	GRID	NZ 1987	COORD	12+75E / 1+25N	3839'	48°							STARTED	FEBRUARY 20, 1990
LENGTH	383.9'	HORIZ.		VERT.		AZIMUTH	135°	CORE SIZE	BQ					FINISHED	FEBRUARY 22, 1990
ELEV.	1459'	LOGGED BY	Luc Daigle	DATE	Feb. 26, 1990										
FROM	TO	FT.	FT.REC.	%REC	SAMPLE NO.	DESCRIPTION	LITHOLOGY	STRUCTURE	MIN'ZN	ALTER.	Ω-1 SM5				
40.6'	42.6'	2'	2'	100	9008-1	0.0' - 3.0'	DRILL STEM								
42.6'	44.6'	2'	2'	100	9008-2	0.0' - 23.0'	CASING								
44.6'	46.6'	2'	2'	100	9008-3										
46.6'	48.6'	2'	2'	100	9008-4	23.0' - 383.9'	Etchemin Formation (4a, b, c, d)								
48.6'	50.6'	2'	2'	100	9008-5										
50.6'	52.6'	2'	2'	100	9008-6	The core consists of meta greywacke, siltstone mudstone and "Lean Iron Formation". The sediments are thickly bedded to thinly laminated and occur as incomplete "Barra" turbiditic sequences. In places the mudstone is sulphidic with disseminated and bedded seams of Py. The rock is also cut in places by zones of Asp/Py mineralized quartz stockwork and silicification. Bedding fines down hole indicating a syncline occurs to the south of the hole and an anticline to the north. The beds are overturned towards the south.									
52.6'	54.6'	2'	2'	100	9008-7										
54.6'	56.6'	2'	2'	100	9008-8										
56.6'	58.6'	2'	2'	100	9008-9										
58.6'	63.1'	4.5'	4.5'	100	9008-10										
75.0'	80.0'	5'	5'	100	9008-11										
80.0'	85.0'	5'	5'	100	9008-12										
85.0'	90.0'	5'	5'	100	9008-13										
90.0'	93.1'	3.1'	3.1'	100	9008-14										
122.1'	125.7'	3.6'	3.6'	100	9008-15										
125.7'	130.4'	4.7'	4.7'	100	9008-16										
130.4'	134.2'	3.8'	3.8'	100	9008-17										
265.0'	270.0'	5'	5'	100	9008-18	23.0' - 40.6'	Light grey silty mudstone. The core is "broken" and is only about 40% recovered. A 3" quartz/carb/chlorite vein at 25' S ₀ ≈ 70°, S ₁ ≈ 65°								
270.0'	275.0'	5'	5'	100	9008-19										
275.0'	280.0'	5'	5'	100	9008-20										
280.0'	285.0'	5'	5'	100	9008-21										
285.0'	290.0'	5'	5'	100	9008-22										
290.0'	295.0'	5'	5'	100	9008-23	SEE									
295.0'	300.0'	5'	5'	100	9008-24	RELOG									
300.0'	305.0'	5'	5'	100	9008-25										
305.0'	310.0'	5'	5'	100	9008-26										
310.0'	315.0'	5'	5'	100	9008-27										
315.0'	320.0'	5'	5'	100	9008-28										
340.0'	345.0'	5'	5'	100	9008-29										
345.0'	350.0'	5'	5'	100	9008-30										



FOOTAGE		FT.	FT.REC.	%REC.	SAMPLE NO.	DESCRIPTION	LITHOLOGY	STRUCTURE	MIN 'ZN	ALTER.	Q-1 SM 5
FROM	TO										
350.0	355.0	5	5	100	9008-31	SEE RE-LOG					
						frequent as to brecciate the host rock completely. The stock work "ZONES" occur at 40.8 to 63.1 with possible tourmaline at 62.7-63.1, and stock work at 73.4-92.8'.					
						93.1-98.5 Light grey greywacke, fines downhole to light grey-green mudstone. $S_0 \approx 70^\circ$, $S_1 \approx 60^\circ$ TCA Minor quartz stockwork. Subll to S_0 & S_1					
						98.5-102.8 Same as above (1-2 mm quartz eyes at base) $S_0 \approx 75^\circ$, $S_1 \approx 58^\circ$ TCA					
						102.8-118.2 Same as above $S_0 \approx 83^\circ$, $S_1 \approx 48^\circ$ TCA					
						118.2-134.2 Same as above Minor Quartz/Carb/chlorite stockwork with traces of Po, Py, CPY & tourmaline from 122.1 - 125.7 & 130.4 - 133.7. The veins are subll to \perp to S_0 & S_1 . $S_0 \approx 60^\circ$, $S_1 \approx 55^\circ$ TCA The intervening mudstone contains <1% - 2% Py. as disseminations.					
						(LIF) 134.2-141.0 Red Mudstone with green mudstone intervals. (Lean Iron Formation). Slightly magnetic 2.2 - .1 on the SM-S $S_0 \approx 47^\circ$, $S_1 \approx 42^\circ$ TCA. The unit is thin to thickly laminated.					
						141.0-149.6 Light grey to pale green mudstone. This completes a fining downhole sequence. One 2mm thick P ₁ seam is present at 149.3.					

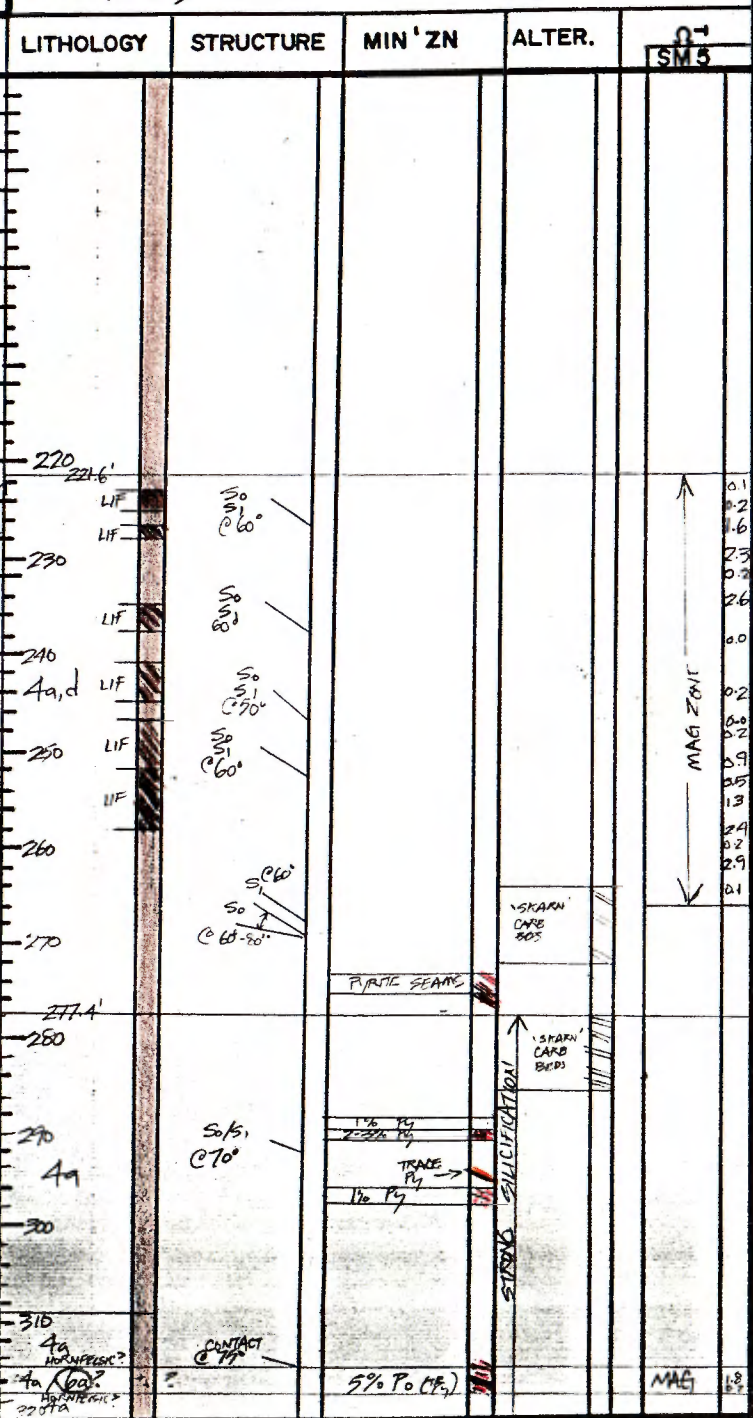


Ministère de l'Énergie et des Ressources
 Division des données géoscientifiques
 DATE 13 JAN 1992
 NO G.M. 050887

FOOTAGE		FT.	FT. REC.	% REC.	SAMPLE NO.	DESCRIPTION	LITHOLOGY	STRUCTURE	MIN 'ZN	ALTER.	SM 5	
FROM	TO											
						Several thin Quartz/carb/chlorite veins < 0.5 cm thick occur sub \perp to \perp to S_0 & S_1 . $S_0 \approx 45^\circ$, $S_1 \approx 36^\circ$ TCA	260 270	carb. Conc.?		Sharp Alter of carb		.7 .2 .1
						149.6-222.8 Light grey to pale green arenaceous siltstone. Siltstone downhole to mudstone. Minor quartz veining in the first 12' of the unit, quartz/carb/chlorite in thin \approx 1 cm thick veins. $S_0 \approx 45^\circ$, $S_1 \approx 36-45^\circ$ TCA. Fault gouge @ 186.5 - 187.0	180 240 300	$S_1 \approx 60^\circ$ $S_0 \approx 70^\circ$	Slightly silicified by < 1% Avg. but up to 5-10% in places in seams and as disseminations \perp S_0			
					(LIF) 222.8-259.5 Red and Green intercalating Mudstone. This unit is magnetic (Lean Iron Formation). Contains a few thin (1-3 cm) silt laminations and quartz/carb/chlorite veins \perp to S_0 & S_1 . $S_0 \approx 55-65^\circ$, $S_1 \approx 54^\circ$ TCA. The magnetic zone extends 6-7 feet into the underlying unit, and about 1.5' feet into the overlying unit.	310 320 330						
						259.5-329.4 Pale green-grey to grey mudstone. Py seams and disseminations occur sparsely throughout the unit. < 1% but up to 5-10% in some sections. The lower half of the unit is slightly silicified and contains several carbonate unit up to 10 cm thick which show "stagn" alteration. $S_0 \approx 70^\circ$, $S_1 \approx 60^\circ$ TCA.	340 350 360 370	$S_1 \approx 58^\circ$ $S_0 \approx 70^\circ$	Numerous thin quartz/carb veins \approx 1 cm. with trace py and ? tourmaline			
						329.4-383.9 Light grey arenaceous to silty arenaceous. The unit has a sharp erosional base and fines gradually down hole. $S_0 \approx 70^\circ$, $S_1 \approx 58^\circ$ TCA. The unit is commonly cut by quartz/carb veins which carry trace py and tourmaline?	380 390	383.9' EOH				

RELOG

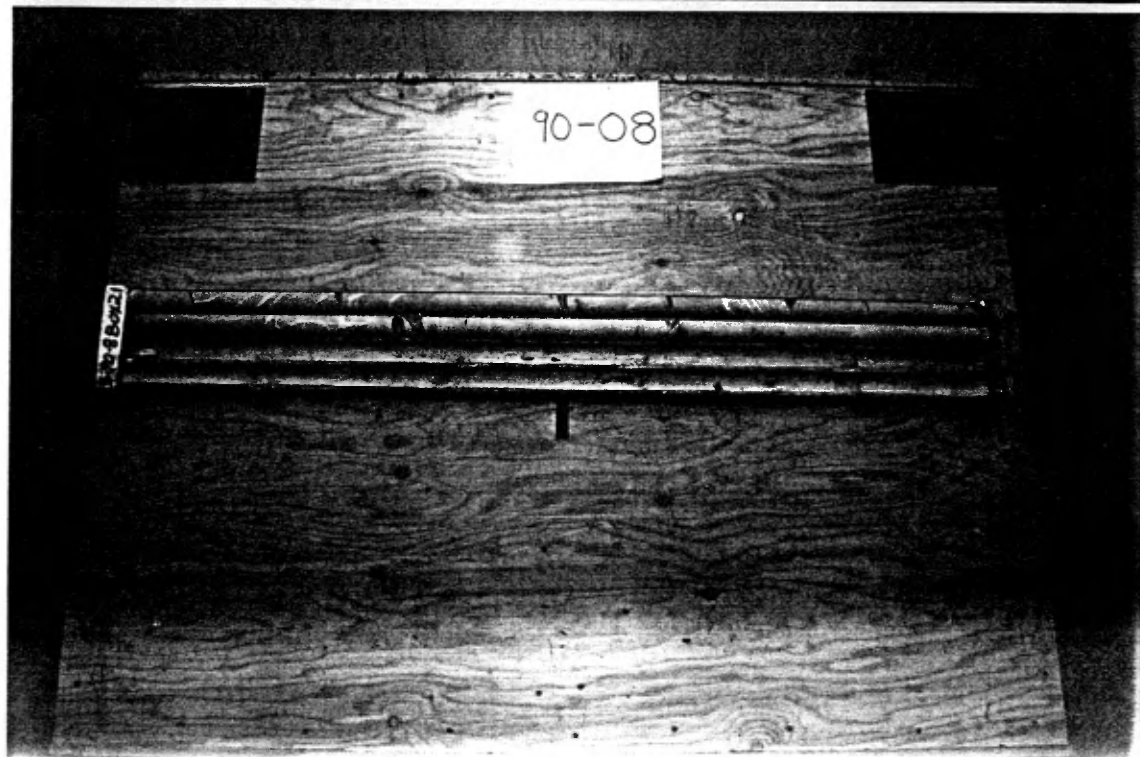
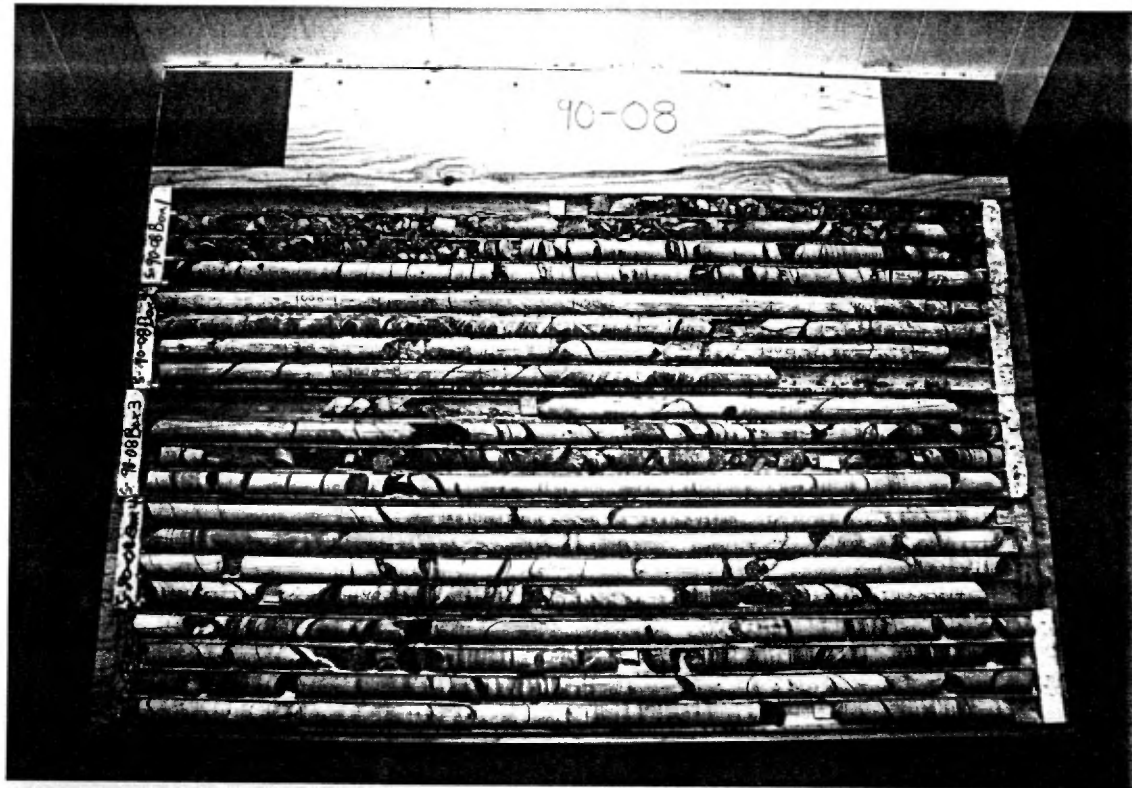
FOOTAGE		FT.	FT.REC.	%REC.	SAMPLE NO.	DESCRIPTION	LITHOLOGY	STRUCTURE	MIN'ZN	ALTER.	SM5
FROM	TO										
270.0'	272.8'	2.8	2.8	100	9008-19	221.6'-277.4' MIXED LEAN IRON FM. AND					
272.8'	275.0'	2.2	2.2	100	-20	PAGE TO DARK GREEN MUDSTONE,					
275.0'	275.3'	0.3	0.3	100	-21	VARIABLY MAGNETIC FROM 221.6'					
275.3'	277.4'	2.1	2.1	100	-22	TO 266.0'					
288.2'	289.5'	1.3	1.3	100	-23						
289.5'	290.6'	1.1	1.1	100	-24	LIF IS ALL MUDSTONE, RANGING FROM					
290.6'	292.4'	1.8	1.8	100	-25	MAUVE TO RED-BROWN. IT IS					
295.5'	295.8'	0.3	0.3	100	-26	FINELY LAMINATED WITH AND/OR					
295.8'	297.1'	1.3	1.3	100	-27	SHEARED ("BLENDED?") WITH THE PAGE					
315.0'	317.0'	2.0	2.0	100	-28	TO DK. GN MUDSTONE AND RARE					
329.9'	332.7'	2.8	2.8	100	-29	SILTY LAMINATIONS (GENERALLY 20.5cm	220-224.6'	LIF			
332.7'	335.2'	2.5	2.5	100	-30	THICK). LOCALLY, UNIT HAS MODERATE	LIF	60°			
338.1'	341.3'	3.2	3.2	100	-31	TO NEGLIGIBLE SILICIFICATION.	230				
343.5'	345.0'	1.5	1.5	100	-32		LIF	60°			
345.0'	346.8'	1.8	1.8	100	-33	LOCAL SMALL SCALE FOLDING / KINKING	240				
346.8'	347.9'	1.1	1.1	100	-34	(ie 225.0' - 227.0'). SPARSE QZT/-	4a,d	LIF	50°		
347.9'	352.6'	4.7	4.7	100	-35	CARB VENTS 20.5cm THICK IN S ₁ PLANES	250	LIF	60°		
352.6'	354.4'	1.8	1.8	100	-36		LIF	60°			
354.4'	355.4'	0.5	0.5	100	-37	FREQUENT COARSELY 'CRUSH ZONES'	LIF				
358.0'	361.9'	3.9	3.9	100	-38	ALONG S ₁ PLANES.	260				
373.4'	376.1'	2.7	2.7	100	-39						
376.9'	378.3'	1.4	1.4	100	-40	MAIN LIF (RED-BR. 4a) SECTIONS:					
379.3'	380.5'	1.2	1.2	100	-41	222.8' - 224.8' 40% LIF 60% GN MST	270				
						226.6' - 228.1' 30% " 70% "					
						235.1' - 237.6' 40% " 60% "	277.4'				
						240.7' - 244.7' 50% " 50% "	280				
						246.6' - 251.9' 20% " 80% 4a,b					
						251.9' - 278.0' 80% " 20% 4a	280				
							4a				
						S ₁ S ₁	30				
						225 60° 60°					
						231 60° 60°					
						248 50° 50°					
						254 60° 60°	310				
						272 80°-60° 60°	4a				



FOOTAGE				SAMPLE NO.	DESCRIPTION	LITHOLOGY	STRUCTURE	MIN'ZN	ALTER.	SM5
FROM	TO	FT.	FT.REC. %REC							
					264.0' - 272.0' 8-10 FINE OLIVE TO GN-WHITE SILICIFIED INTERVALS \approx 1-3cm THICK (? SKARN ALTERATION OF CARB BEDS?)	4a	see 60° EQUIDY FAULT @ 70°			
					272.8' - 275.0' 8-10 AGGREGATE PYRITIC SEAMS (w O CARB MATRIX) AVG. 2-4mm THICK @ 60°-70°.	4a,b,c (fn)	FINING(?) 5/6, @ 55-60°			
					275.0' - 275.3' QTZ VEIN @ 50°-70° 1-2% Py oxl VN BOUNDARIES & WITH CHLORITIC INCLNSNS IN VEIN.			TRACE - IN TOURMALINE STONE SILICIFICATION		
					277.4' - 329.5' MUDSTONE GN-GY TO LIGHT GY TO DK GY (MOVING DOWNHOLE); ALL STRONGLY SILICIFIED, LOCALLY CHERTY. TOTAL ABSENCE OF ANY VEINING w EXCEPTION 295.5'-295.8': 2-3 SHEARED QTZ VN'S 2-5cm THICK w TRACE PY; VN'S TREND @ 60° (INS.)	303.9 END OF HOLE		SPHERULE Py		
					277.4' 289.0' 5 BEIGE TO OLIVE 'SKARN ALTERED' CARB? BEDS UP TO 2" THICK CONTACTS (?) @ 70°.					
					288.2' - 289.5' \approx 1% DISSEM'D PY IN GN/GY MST.					
					289.5' - 290.6' 2-3% Py DISSEM'D & AS SEAMS UP TO 5mm THICK @ 65°					
					290.6' - 292.4' GY MST (NO VIS. SUL).					

FOOTAGE				SAMPLE NO.	DESCRIPTION	LITHOLOGY	STRUCTURE	MIN'ZN	ALTER.	0-1 SM 5	
FROM	TO	FT.	FT.REC. %REC								
					295.8' - 297.1' < 1% Py DISSEM'D & TWO MM SCALE SEAMS @ 70° IN LT. GR. MST.						
					309.0' - 320.0' DK GR. / BLACK CHESTY MST. ? HORNFELSER?						
					315.0' - 317.0' PACE GN / OLIVE MST						
					(97% 97%) → (? POSS. V.V. FINE GR'D MAFIC INTRUSIVE?)						
					* SAMPLE (P0 + P1) → WITH ≈ 5% PARRHOTITE CONTENT AS SPLIT.						
					DISSEMINATIONS & MASSIVE SEAMS UP TO 2CM THICK. MAGNETIC (0.2 TO 1.8). WPHOLE CONTACT SHARP @ 75°						
					BEDDING @ 314.9' @ 85°?						
					320.0' - 322.5' DK GR. SILICIFIED MST.						
					322.4' - 323.5' GROUNDY 'CRUSH' ZONE (FAULT) @ 70°.						
					S ₀ S ₁						
					278' ? 60°						
					291' 70° 70°						
					305' 50°? 60°						
					320' ? FRACTS @ 30° (?)						
					326' 60°? 40°						
					329.5' - 383.9' SILTSTONE / SANDSTONE / GREENSLATE TURBIDITIC UNITS. LT-DK GR. SILICIFIED. APPEAR TO FINE WPHOLE. 10% (20%) QSTK VEINING OVERALL, @ ALL ANGLES, PREDOMINANTLY @ 40° - 60°. UNITS GENERALLY 2-1CM (AVG 0.5cm) THICK, RARELY UP TO 1" THICK. LOCAL UNITS CONTAIN 10-20% CLINOZ + CHLORITE FLECKS / INCLUSIONS. TRACE SULPHIDES NOTED IN UNITS, AND LOCALLY MARCASITE COATS S ₁ FRACTS. S ₀ / S ₁ GEN. @ 50° - 60°.						

FOOTAGE		SAMPLE NO.	DESCRIPTION	LITHOLOGY	STRUCTURE	MIN' ZN	ALTER.	Q- SM 5
FROM	TO							
			329.5'-332.7' 20% QSTK UNING.					
			332.7'-335.2' 20% QSTK UNING.					
			335.2'-338.1' THICK CLINOZ ALTERATION THROUGHOUT HOST WACKE. ≈ 1% QUINLS.					
			338.1'-341.3' 10% QSTK UNING.					
			341.3'-343.5' 2-3% QSTK					
			343.5'-345.0' ≈ 60% VEIN MATERIAL. (*NOT SAME AS SURROUNDING QSTK.) HOST SLT/SS IS PRECIPITATED & INCLUDED IN 8"-12" VEIN AS SUBANGULAR FRAGMENTS. QZ VEIN ALSO CONTAINS 5-10% CLINOZ & ≈ 1% 4-6mm LONG/DIAM TOURMALENE (?) LATHS / XTALS. * THIS INTERVAL HAS SIMILARITIES TO THE INTERVAL FROM HOLE 9006.					
			LOOK UP ⇒ & ADD					
			345.0'-346.8' 5% QSTK w CLINO + < 1% TOURM.					
			346.8'-347.9' 10% QSTK w 5% CLINO + ≈ 1% TOURM.					
			347.9'-352.6' 10-15% QSTK w ≈ 5% CLINO & < 1% TOURMALENE (MICROXTALS) ONE SITE OF GALENA & TRACES OF PY.					
			352.6'-354.4' ≈ 25% QSTK w ≈ 5% CLINOZ AND 1% TOURMALENE (MICROXTALS).					



DATE DE L'IMPRESSION: 23-MAR-90

RAPPORT: C90-50155.0

PROJET: AUCUN

PAGE 1

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	AU PPB	NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	AU PPB
D2 9008-01	NIÈRE CARBONÉE	158	D2 9008-41		<5
D2 9008-02	CHAUSSON	102			
D2 9008-03	CHAUSSON	563			
D2 9008-04	CHAUSSON	34			
D2 9008-05	CHAUSSON	1186			
					0.035 02/5
D2 9008-06		344			
D2 9008-07		113			
D2 9008-08		254			
D2 9008-09		14			
D2 9008-10		5			
D2 9008-11		7			
D2 9008-12		127			
D2 9008-13		8			
D2 9008-14		10			
D2 9008-15		<5			
D2 9008-16		<5			
D2 9008-17		162			
D2 9008-18		<5			
D2 9008-19		<5			
D2 9008-20		<5			
D2 9008-21		<5			
D2 9008-22		<5			
D2 9008-23		<5			
D2 9008-24		<5			
D2 9008-25		<5			
D2 9008-26		<5			
D2 9008-27		<5			
D2 9008-28		<5			
D2 9008-29		6			
D2 9008-30		<5			
D2 9008-31		<5			
D2 9008-32		<5			
D2 9008-33		<5			
D2 9008-34		<5			
D2 9008-35		<5			
D2 9008-36		6			
D2 9008-37		29			
D2 9008-38		<5			
D2 9008-39		6			
D2 9008-40		<5			

Work Order : R-0065

KMS

DDH 9008

Sample Number	Conc.		Bead Wt. mg	Conc.		Fines Wt. g	Float g/t Au		Head Sample		Sites			
	Wt. g	Wt. g		g/t Au	g/t Au		no float	w/float	+10	+20	-20+60	-60+100		
NORTH ZONE														
9008-01	1444	24.52	0.03	1.22	410	< 0.07		0.09	0.003	*	*	*	1	
9008-02	1350	25.15	0.03	1.04	310	0.88		0.88	0.026	*	*	*	*	
9008-03	1410	22.48	0.15	6.72	345	0.90		0.99	0.029	*	*	*	*	
9008-04	1416	18.28	0.03	1.40	371	0.18		0.20	0.006	*	*	*	*	
9008-05	1090	25.86	0.31	12.01	337	2.12		2.35	0.069	*	*	*	*	
9008-06	1488	22.03	0.10	4.43	435	0.10		0.16	0.005	*	*	*	*	
9008-07	1296	22.34	0.02	0.77	351	0.10		0.11	0.003	*	*	*	*	
9008-08	1490	23.48	0.07	2.92	438	0.26		0.30	0.009	*	*	*	*	
9008-09	1142	18.13	0.01	0.39	295	< 0.07		0.08	0.002	*	*	*	*	
9008-10	3281	22.63	0.00	< 0.07	996	< 0.07		0.07	0.002	*	*	*	*	
9008-11	3722	20.48	0.04	1.76	935	0.09		0.10	0.003	*	*	*	*	
9008-12	4032	21.98	0.06	2.60	1008	0.21		0.22	0.006	*	*	*	*	
9008-13	3354	15.10	0.01	0.45	991	< 0.07		0.07	0.002	*	*	*	*	
9008-14	2354	23.60	0.01	0.38	775	< 0.07		0.07	0.002	*	*	*	*	
9008-15	2573	24.79	0.00	< 0.07	636	< 0.07		0.07	0.002	*	*	*	*	
9008-16	4163	19.71	0.00	< 0.07	941	< 0.07		0.07	0.002	*	*	*	*	
9008-17	2310	21.27	0.07	3.13	674	0.48		0.50	0.015	*	*	*	*	
9008-18	4081	19.79	0.00	< 0.07	1659	< 0.07		0.07	0.002	*	*	*	*	
9008-19	2063	23.41	0.00	< 0.07	581	< 0.07		0.07	0.002	*	*	*	*	
9008-20	1713	16.64	0.00	< 0.07	475	< 0.07		0.07	0.002	*	*	*	*	

PROJECT BELLECHASSE PROJECT					INCLINATION TESTS						HOLE NO. 90-09			
CLAIM P05957		TOWNSHIP ROUETTE / PANET		RANGE III / I		LOT 33/33		DEPTH	DIP	DEPTH			DIP	DEPTH
OCCURRENCE NORTH ZONE		GRID NZ 1987		COORD 21400E / 1480N		374.0	45°							DRILLED BY ST. LAMBERT
LENGTH 561.0'		HORIZ.		VERT.		AZIMUTH 135°		CORE SIZE BQ		561.0	40°			STARTED FEBRUARY 22, 1990
ELEV. 1443'		LOGGED BY J.F. BURZYNSKI		DATE FEBRUARY 27, 1990			37°							FINISHED FEBRUARY 25, 1990
FROM	TO	FOOTAGE FT.	FT. REC.	% REC.	SAMPLE NO.	DESCRIPTION	LITHOLOGY	STRUCTURE	MIN'ZN	ALTER.	Ω-1 SM5			
19.7'	24.7	5.0'	4.5'	90	9009-1	0.0' - 3.0'	DRILL STEM							
36.6'	39.4'	2.8'	2.5'	89	-2	0.0' - 9.8'	CASING		SCALE 1" = 20'					
51.0'	51.5'	0.5'	0.3'	60	-3									
65.5'	66.3'	0.8'	0.8'	100	-4	9.8' - 104.1'	ETCHEMIN FORMATION							
73.0'	75.0'	2.0'	1.8'	90	-5									
75.0'	77.5'	2.5'	1.7'	68	-6									
77.5'	80.2'	2.7'	2.6'	96	-7									
100.2'	101.7'	1.5'	1.3'	87	-8									
104.1'	109.0'	4.9'	4.9'	100	-9									
109.0'	111.6'	2.6'	2.6'	100	-10									
111.6'	112.3'	0.7'	0.7'	100	-11									
121.5'	124.1'	2.6'	2.4'	92	-12									
138.5'	140.1'	1.6'	1.6'	100	-13									
257.6'	258.3'	0.6'	0.6'	100	-14	9.8' - 19.7' = 2.5 ft CORE RECOVERED. (APPEARS TO BE MAINLY OVERBURDEN MATERIAL - NOT BEDROCK)								
262.3'	263.4'	1.1'	1.1'	100	-15									
275.3'	279.9'	4.6'	4.6'	100	-16									
285.5'	288.4'	2.9'	2.9'	100	-17									
300.2'	300.5'	0.3'	0.3'	100	-18	19.7' - 30.6'	SILTY MUDSTONE WITH 5-6 QTZ VEINS UP TO 6" THICK. VEINS @ 40-50°. VEINS CONTAIN TR-1% Py. TRACE GALNA. HEAVY FeOx STAINING (FROM WEATH'D Py'S) VEINS 'UGGLY' (WEATH'D Py +/- CARB?) Si @ 60°							
322.0'	323.8'	1.8'	1.8'	100	-19									
329.1'	329.7'	0.6'	0.6'	100	-20									
330.1'	332.1'	2.0'	1.5'	75	-21									
347.6'	348.8'	1.2'	1.2'	100	-22									
400.0'	402.0'	2.0'	2.0'	100	-23									
404.3'	407.0'	2.7'	2.7'	100	-24									
447.5'	449.6'	2.1'	2.1'	100	-25	30.6' - 36.6'	GY-EN MST, V. SILICIC, 3-5 MM SCALE QTZ STR'S. TRACE Py IN MST.							
450.5'	453.1'	2.6'	2.6'	100	-26									
459.7'	462.6'	2.9'	2.9'	100	-27									
532.6'	535.1'	2.5'	2.5'	100	-28	36.6' - 39.4'	2-3(?) SHEARED QTZ VEINS, 5-6" THICK @ ≈ 50° IN HOST MST. VEINS ARE SHATTERED UGLY AND CONTAIN							

FOOTAGE				SAMPLE NO.	DESCRIPTION	LITHOLOGY	STRUCTURE	MIN'ZN	ALTER.	Q ⁺ SM5
FROM	TO	FT.	FT.REC. %REC							
					≈ 1% Py BLEBS (UP TO 3-4mm DIAM) AND TRACE FLECKS OF GALENA. MOD TO HEAVY FEOX STAINING IN VEIN FRACTS.	4b		TRACE Py		
					39.4'-51.0' SILTY MST, HIGHLY FRACTURED, BKX WP CORE. 39.4'-43.0' FAULT ZONE RUBBLY CORE W 2 ONE INCH GONDGE INTERVALS, FAULT @ 70°. 3-5% MM SCALE QTZ STRINGERS THROUGH SECTION.	4a	S ₁ @ 60°	≈ 1% Py		
					51.0'-60.0' MST WITH THREE 5"-6" TURBIDITIC INTERVALS (SS → SUST → MST) FINING DIRECTION NOT CERTAIN, APPEARS TO BE WHOLE S @ 60°-65°; S @ 60°-65°	150	S ₁ @ 70°-80°			
					61.4'-63.7' FAULT ZONE. MST STRONGLY FRACTURED @ 60°, GONDGE	160	S ₁ @ 60°-70°			
					65.5'-66.3' SHEARED QTZ VN(S?), GONDGE INTERVAL IN MID-VEIN 1" THICK W STRONG FEOX.	170	S ₁ @ 60°-65°			
					68.9'-73.0' RUBBLY MST - FAULT ZN? ≈ 1ft CORE RECOVERED.	180	S ₁ @ 60°	MM SCALE CORE VALS IN S PLANE	NON SILIC	NON MAG
					73.0'-80.2' SILTY MST, SILICIC WITH 5-8% MM SCALE QTZ STRINGERS & ONE 6" VEIN. STRINGERS @ ALL ANGLES. STRONG FRACTURING, MINOR GONDGE ON SOME FRACT PLANES. MOD TO STRONG FEOX IN VEINS & ON FRACTS, TRACE Py IN VEINS. S @ 60. S @ ?	190	S ₁ @ 60°			NON MAG
					2nd FRACT SET @ 0° TO 10° (SUB // TO C.A.)	200	S ₁ @ 60°			NON MAG
						210	S ₁ @ 60°			NON MAG
						220	S ₁ @ 60°			NON MAG
						230	S ₁ @ 60°			NON MAG
						234.6'	S ₁ @ 60°			NON MAG
						240	S ₁ @ 60°			MAG
						250	S ₁ @ 60°			MAG
						260	S ₁ @ 60°			MAG

Ministère de l'Énergie et des Ressources
 Division des données géoscientifiques
 DATE 13 JAN 1992
 NO.G.M. 050887


FOOTAGE		SAMPLE NO.	DESCRIPTION	LITHOLOGY	STRUCTURE	MIN'ZN	ALTER.	SM5	
FROM	TO							FT.	FT.REC.
			80.2'-104.1' GY-GN TO GN-GY MST (SILTY MST). S.C @ 60° S.P 60° WEAKLY SILICIC, CHLORITIC. ONLY 1-2 mm SCALE QTZ STRINGERS IN INTERVAL. STRONG S, CLEV. CORE RUBBY. GONDGE @ 84', 94.5', 99.5'. (FAULT ZONES @ 60°-70°)	4a 270 275.3'					
			<div style="display: flex; justify-content: space-around; font-size: small;"> BROKEN CORE FOLD AXIS KINKED STRAIN FRACTURING FOLDING GONDGE FOLD AXIS GONDGE </div>						
			FOLDING IS APPARENT IN SMALL SCALE BEDDING DEFORMATION: ONE FOLD AXIS @ 90° & TWO AT 60° OBSERVED. INTENSE FRACTURING & LOCAL FAULTING ASSOCIATED WITH FOLDING (SEE DIAGRAM ABOVE).	290 300 4a,b,c (tu)					
			100.2'-101.7' MST, STRONGLY SHEARED @ 70° WITH 20-25% SHEARED QSTK VEINING & TRACE Py. V. GONDGY.	300 301.1' 302.1'					
			104.1' GONDGY, FAULTED CONTACT	350					
			104.1' - 124.1' SILTSTONE LIGHT GREY, FINE GRAINED. S.C @ 50°(?) S.P @ 50°-40°. 20% QSTOCKWORK VEINING OVERALL. VNS TRENDS @ ALL ANGLES, DOMINANTLY @ 40°-50°.	360 4a, b 370 380					
			104.1' - 109.0' 10-20% QSTK VNLTs ≤ 1cm THICK. TRACE TO 1% Py, Po+Pp. ASP & LOCAL CHLORITE CLOTS IN VNLTs.	390 398.0' 400					

FOOTAGE		SAMPLE NO.	DESCRIPTION	LITHOLOGY	STRUCTURE	MIN' ZN	ALTER.	SM 5
FROM	TO							
			109.0' - 111.6' SLTST $\bar{w} \approx 60\%$ QTZ VNING. ONE LG. VEIN ≈ 1 FT THICK. VEIN # VNLS SHEARED @ $40^\circ - 60^\circ$ ("RIBBON VNS"). STRONG ASP MINERALIZATION: DISSEM'D + COARSE ASP CLUSTERS / CLUSTERS UP TO 5mm DIAM # SEAMS (UP TO 3cm LONG IN FRACTS) OVERALL 2-3% ASP. ALSO TRACE Py (DISSEM'D). ASP XTALS CROSS VEIN-SET BOUNDARIES: POST VEIN EMPLACEMENT (? = CONTEMP. WITH SHEARING & SILICIFICATION?!).		← MST STRONGLY SHEARED @ $70^\circ - 90^\circ$	TRACE TO 2% Pyrite		
			111.6' - 112.3' 8-10 QTZ STRINGERS + ONE 3" QTZ + TOURMALENE + CHLORITE VEIN. $\approx 1\%$ COARSE & DISSEM'D (XTALS IN VNS & HOST SLTST.) → ASP + Py; MARCASITE ON S. FRACTS TOURMALENE OCCURS AS V POORLY FORMED (SUB)XTAL MASSES — 'DISSEM'D' APPEARANCE.		CONTACT @ 50°	2% Py 1-2% Py 1-2% Py		
			117.5' - 124.1' 10-15 QTZ VNLS AVE < 1 cm THICK @ ALL ANGLES.					
			121.5' - 124.1' 4" QTZ VN + 5-8 STRINGERS TRACE Py (DISSEM'D) & ONE FLECK OF SPHALERITE.		S.P. $50^\circ - 60^\circ$ ($50^\circ 11'$)			
		124.1' - 151.6'	GREEN - GY TO GY MUDSTONE. MOD. TO STRONG SILICIFICATION. S & Si @ $50^\circ - 60^\circ$. 20-25 ≤ 1 cm THICK QTZ VNLS ' TO S, (MOST SHEARED; SOME DISASSOCIATED). (OVER)		FRACT @ 55° EVIDENT			

CHLORITE

V. SILICIC

MAG 4a, d 500 (LIF)

FOOTAGE		SAMPLE NO.	DESCRIPTION	LITHOLOGY	STRUCTURE	MIN'ZN	ALTER.	SM5
FROM	TO							
			138.5' - 140.1' SEVERAL (8-10?) QTZ VNLS STRONGLY SHEARED UP INTERCALATED WITH MST FRAGMENTS (INTURN SERICITIC?) \approx 1% Py OVERALL AS V. LOCAL MASSES/XTALS, ONE Py AGGREGATE MASS 1cm x 5mm, LONG DIRECTION TO S ₁ .	4a,d (LIF) 4a 50 561.0' END OF HOLE	S ₁ /S ₀ @ 65-70° S ₁ /S ₀ @ 62-70°			
			151.6' - 156.6' GREEN MUDSTONE S ₀ @ 70° - 85°, S ₁ @ 70°.					
			156.6' - 234.6' MIXED GREEN AND RED MUDSTONE (LIF) LARGELY MAGNETIC. ALL V FINE GR'D WITH BARE SILTY INTERVALS 3mm TO 1" THICK. UNIT IS UNUSUALLY THICK (COMPARED TO OTHER NEARBY DDH INTER-SECTIONS) AND IS LIKELY SHOWING THICKENING DUE TO FOLDING (& POSS. FAULTING?) BEDDING IS LARGELY DESTROYED OR ALTERED BY SHEARING/MOVEMENT ALONG S ₁ PLANES (ie APPARENT BANDING/ALTERNATING "LAMINAE" OF LIF & GN MST NOT TRUE BEDDING IN MOST INSTANCES). UNIT IS ONLY WEAKLY TO NON SILTIC. MAGN WP TO 3.8.					
			SOME SMALL SCALE FOLDING OBSERVED: CORE AXIS 					
			161.6' 161.7' 161.8' 161.9' 162.0' 162.1' 162.2' SMALL SCALE FOLD AXES @ 60° - 65° TO CORE AXIS. THE FOLD 'RINGS' ARE FINE SILTY LAMINAE & CARBONATE VEINLETS; SILTY LAMINAE @ 161.4 TRENDS 70° (S ₀)					

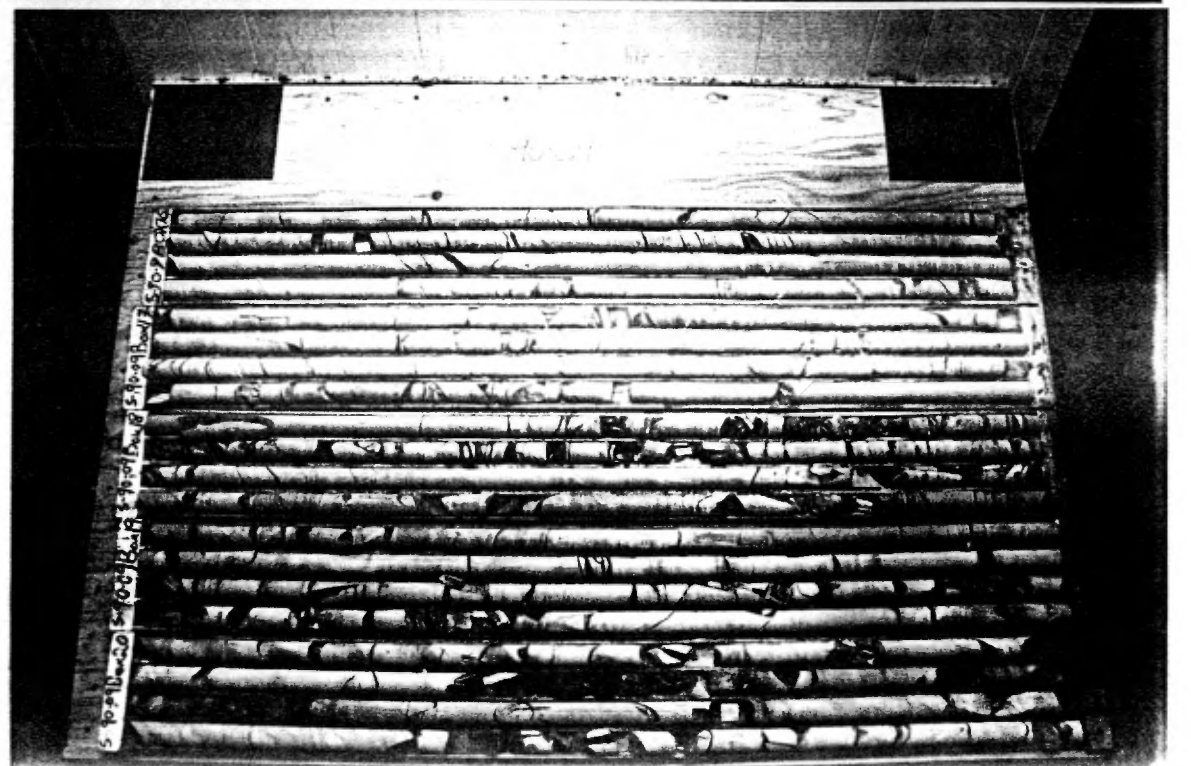
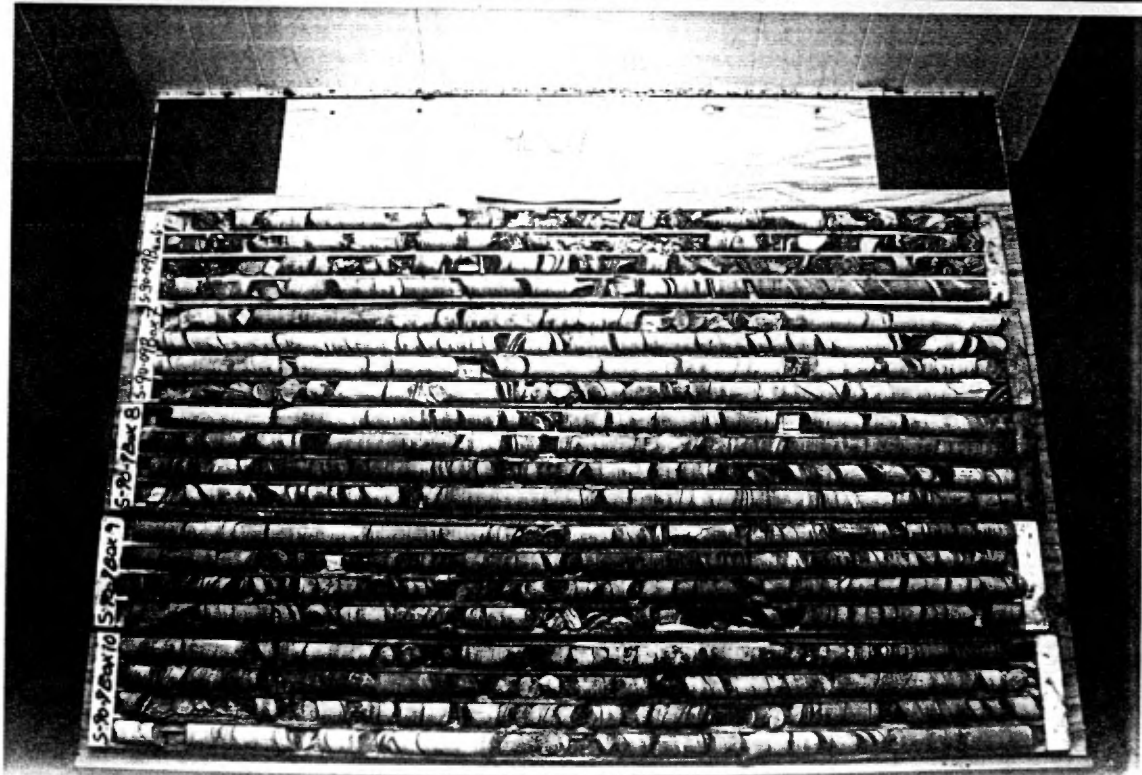
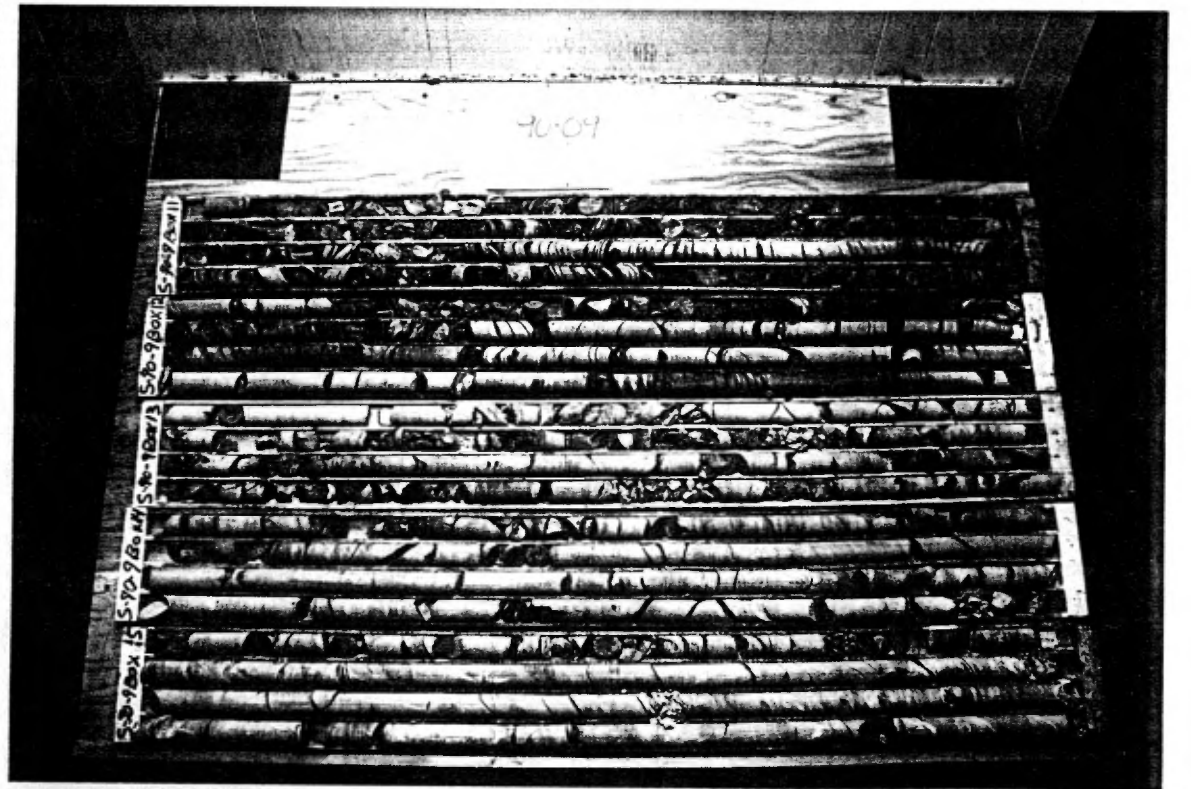
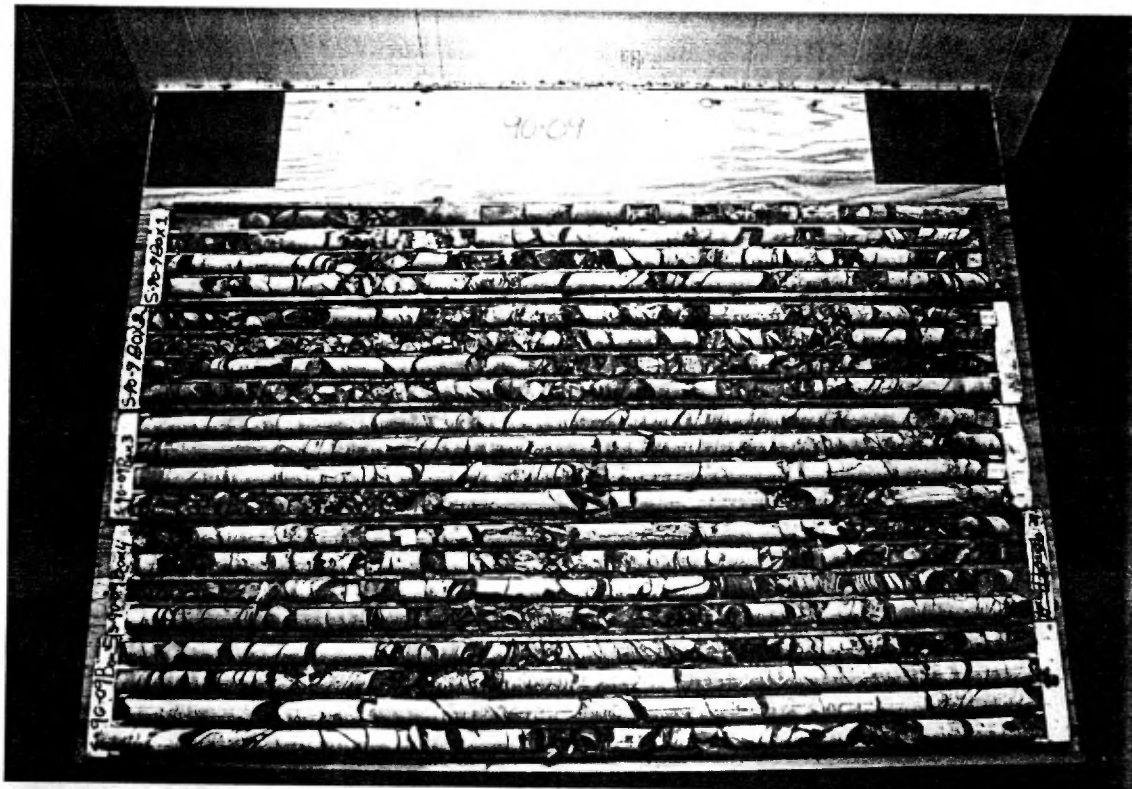
FOOTAGE		SAMPLE NO.	DESCRIPTION	LITHOLOGY	STRUCTURE	MIN' ZN	ALTER.	G- SMS
FROM	TO							
			MAIN RED LF SECTIONS:					
			158.7' - 166.2' S ₁ @ 60°-70°					
			177.2' - 179.4' S ₁ @ 70°					
			182.6' - 189.0' S ₁ @ 60° S ₁ @ 60°					
			204.6' - 206.6' S ₁ @ 65°					
			208.0' - 213.0' S ₁ @ 60°					
			216.5' - 221.0' S ₁ @ 60°					
			203.2' 1" GONDGE FAULT@?					
			WHOLE INTERVAL CONTAINS 40-50 5MM SCALE CARB UNITS, BONDAGED + SHEARED OUT, IN S ₁ PLANE.					
			MANY S ₁ FRACT SURFACES 'GREASY' / TACCY (PERVASIVE) SHEARING THROUGH INTERVAL).					
			234.0' - 234.6' 2 MM SCALE PYRITIC 'STAMS' (LARGEST UP TO 5MM THICK); DISSEMINATED PY. XTALLINE. S ₁ @ 60° S ₁ @ 60°.					
		234.6' - 275.3'	LT TO DK GR SILICIC MUDSTONE S ₁ & S ₂ FAIRLY CONSISTENT TH OUT @ 60°. NO VEINING. MARCASITE + CARB ON LOCAL S ₁ FRACT SURFACES.					
			236.5' - 238.0' FAULT ZONE, CORE BRK UP, GONDGE 237.2' - 237.4' W FRACT @ 65°-70°.					

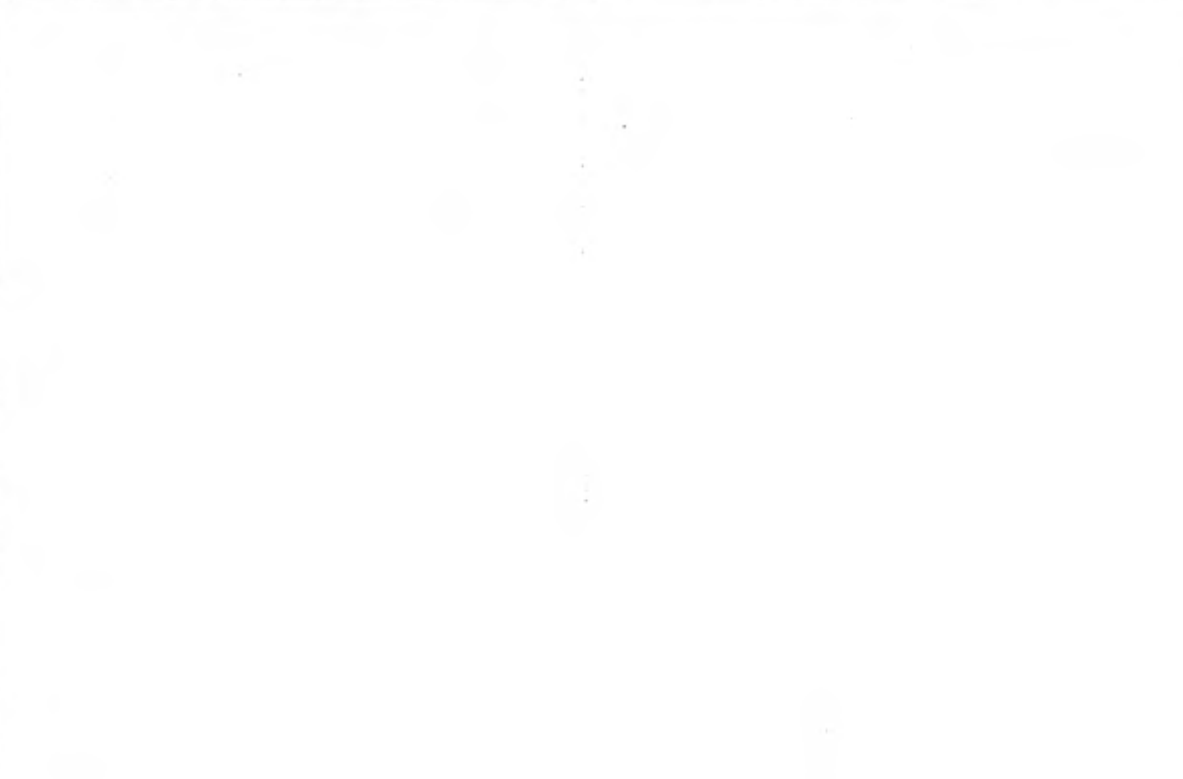
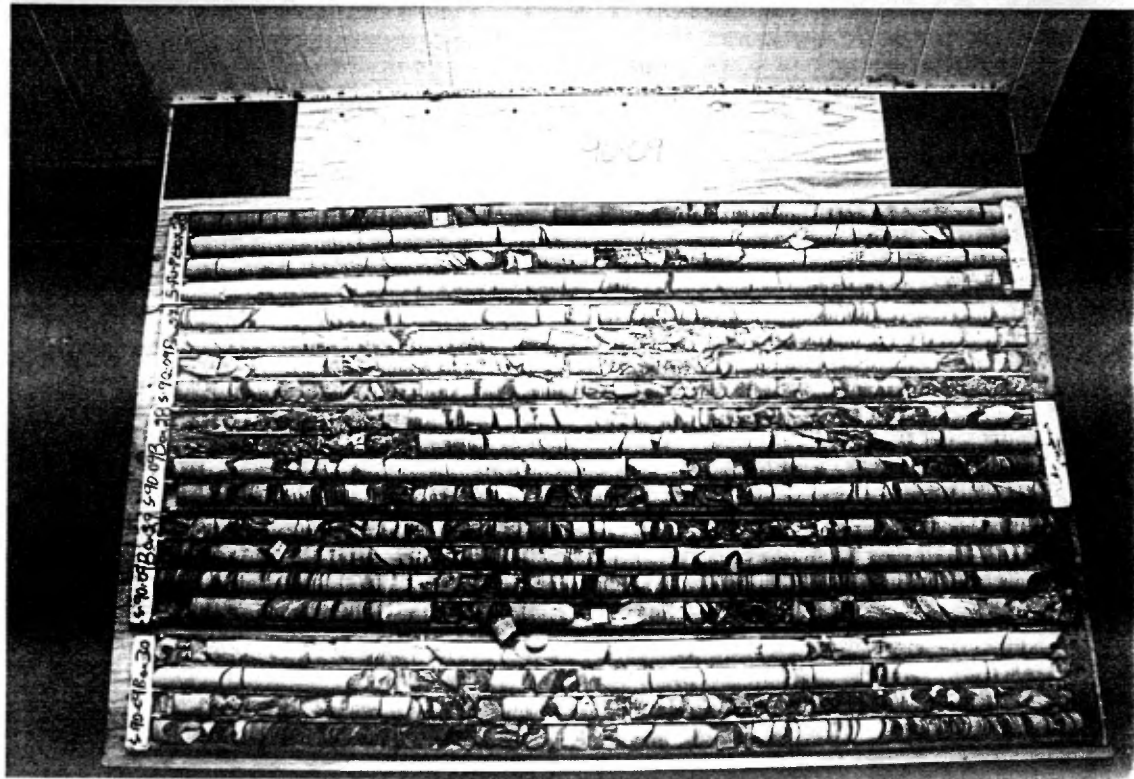
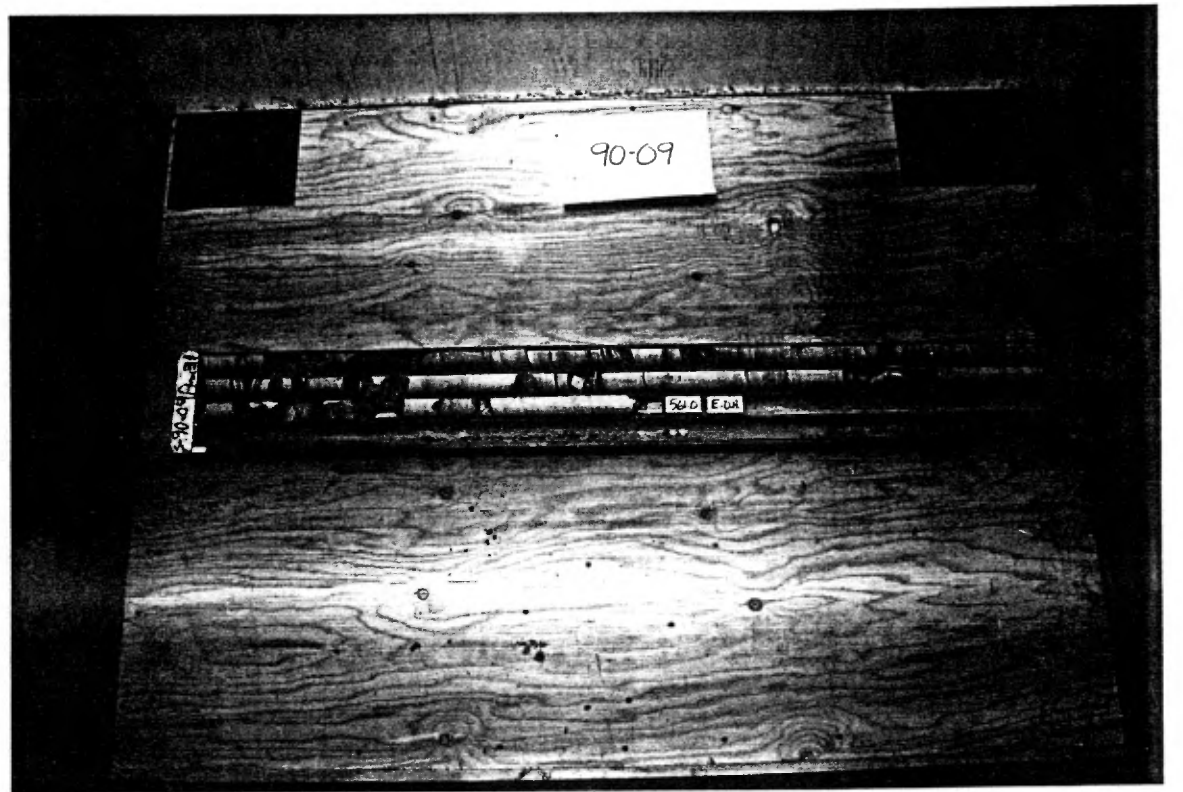
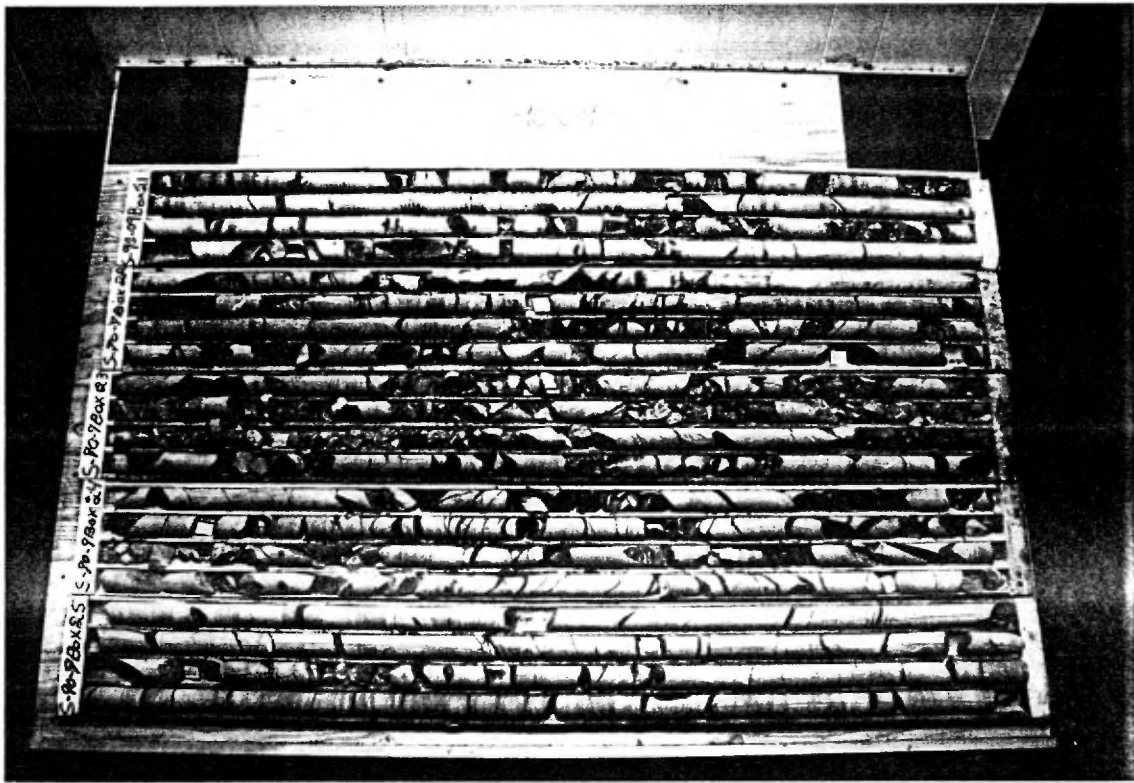
FOOTAGE					SAMPLE NO.	DESCRIPTION	LITHOLOGY	STRUCTURE	MIN'ZN	ALTER.	0-5 SM.3
FROM	TO	FT.	FT.REC.	%REC.							
						243.0' - 244.5' MAG 0.1 - 0.2 (PYRRHOTITE DISSEM'D?)					
						244.8' - 244.9' FAULT / CRUSH ZONE: GONDOLY BX, ORIENTATION @ 60° (? - 60°?) MARCASITE ON S ₁ @ 60°; Py IN FAULT GONDOLY (1-2% DAMSCALE XTALS).					
						257.6' - 258.3' 2-3 PYRRHOTITE SEAMS UP TO 3mm THICK @ 65° MAGNETIC (0.2).					
						260.9' ONE 1-2mm THICK PO SEAM (DISCONTINUOUS).					
						262.3' - 263.4' 5-6 ≤1mm TO 3mm THICK PO SEAMS @ 65°. SECTION MAGNETIC (0.3).					
						275.3' - 279.1' GREYWACKE, SLTST, MST (TURBIDITIC) G4 TO G4-GN, STRONGLY SILICIFIED. ORIGINAL GRAINS / CLASTS REMOVED? SILICIFIED. GROSS TEXTURES APPEAR TO FINE DOWNHOLE. 5-8% SUBCM SCALE QSTK VENTS FROM 275.3' TO 277.0'. TRACE Py.					
						275.3' - 279.9' 5-8% QSTK UNING AA. TRACE Py, Po (Asp?)					
						285.5' - 288.4' ≤10% QSTK UNING TRACE Py, Po, Asp.					

FOOTAGE		SAMPLE NO.	DESCRIPTION	LITHOLOGY	STRUCTURE	MIN'ZN	ALTER.	SM5
FROM	TO							
			300.2'-300.5' LT. GN GABBROIC SILL ('FINGER' SILL) W/ SHARP CONTACTS @ 45°. V.F. GRAINED; 1-2% Po+Py DISSEM'D THROUGHOUT.					
			322.0'-323.8' 2-3 PYRITIC SEAMS UP TO 5mm THICK; TREND @ 20°-30°, ARE DISCONTINUOUS.					
			329.1'-329.7' GABBROIC ('FINGER') SILL. LT. GN, V.F. GR'D. UPPER CONTACT SHARP @ 40°, LWR CONTACT BROKEN. 4 TO 5 mm SCALE Py SEAMS @ 50°.					
			329.7'-330.1' SLTST SILICIC, GY.					
			330.1'-332.1' GABBROIC ('FINGER') SILL A.A., V. BRN WP. W/HOLE CONTACT @ 45°, DOWNHOLE? TRACE Py					
			332.1'-338.0' MADSTONE / SLTST DOMINANTLY MST (80-90%). GY-DKGY, V. STRONG SILICIFICATION. 5% QSTR VEINING THROUGHOUT, VNS UP TO 2" THICK, GENERALLY <1cm TO <<1cm THICK. V. RARE ASP XTRLS & TRACE Py fr-Po IN VEINETS. S.P. 50°-60°, S.P.?					
			MST - SLTST TO 362.5, ALL MST 362.5'-338.0'					
			347.6'-348.8' 4" QUN & STRINGERS TRACE ASP.					

FOOTAGE					SAMPLE NO.	DESCRIPTION	LITHOLOGY	STRUCTURE	MIN 'ZN	ALTER.	Q-SM5	
FROM	TO	FT.	FT.REC.	%REC								
					398.0' - 464.1'	GABBRO GREEN - DK GR, V. CHLORITIC. RANGES FROM V. FINE TO FINE-MEDIUM GRAINED (COARSEST XTALS ≈ 1-2mm DIA). OVERALL CONTAINS TRACE TO 2% PYRITE AS DISCRETE XTALS, BLESS, MASSES & DISCONTINUOUS SEAMS UP TO 3-5mm DIAMETER. 2-3% QTZ+CARB+/- CHLOR+/- CLINOZONITE+/- EPIDOTE VEINING, GENERALLY SUB CM IN SCALE, UP TO 2" THICK. GABBRO IS VERY SOFT, BROKEN UP & FONDLY UP TO ≈ 430' WITH A V. STRONG SHEAR FABRIC @ 70°-90° TO C.A. Q-CARB UNITS IN THIS INTERVAL ALSO SHEARED APART/DEMEMBERED.						
					398.0' CONTACT @ 30° (SHEARED).							
					399.0' - 402.0' SHATTERED & RESILICIFIED MST SHEAR FABRIC / FRACT'S @ 50°							
					5 to 8% STRUNK UNING NO VIS. SUL.	CONTACT @ 399.0' BROKEN, BUT CORE IS 1/2 MST 1/2 GABBRO FROM						
					404.3' - 407.0' STRONGLY SHEARED w ≈ 1% Py.	399.0' - 400.0' (CONTACT @ 0°-10°). 400.0' - 402.0' SHEARED / SILICIFIED MST. CONTACT AT 402.0' = ? (BROKEN).						
					412.0' - 412.2' QTZ+CARB+CHLOR+EP+CLINOZ. UNLT @ 50°. NO VIS. SUL.							
					447.5' - 449.6' ≈ 2% PYRITE CONTENT.							
					450.5' - 453.1' 1-2% PYRITE & ONE 1-2" THICK QTZ+CLINOZ. UNLT.							

FOOTAGE		SAMPLE NO.	DESCRIPTION	LITHOLOGY	STRUCTURE	MIN'ZN	ALTER.	SM5
FROM	TO							
			459.7' - 462.6' \leq 1-2% PYRITE.					
			464.1' LOWER CONTACT SHARP & DISTINCT @ 50°. 3mm THICK QTZ VULT SEPARATES GABS FROM ADJACENT SEP.					
			464.1' - 545.0' MUDSTONE LT. TO DK GR, VERY SILICIC. STRONG FRACTURING, RESILICIFIED. REFRACTURED S, AVG. 50°-60° S. GENERALLY NON-VISIBLE, \leq 50°-60°.					
			532.6' - 535.1' 15-20 QSTR UNITS $<$ 1cm THICK (UP TO 1" THICK); AVG TREND @ 30°. NO VIS. SUL					
			533.7' 1" FAULT GORGE FRACTS @ 55°					
			545.0' - 557.8' MIXED GN MUDSTONE & RD-BR LIE MAGNETIC (0.0 - 2.4) SHARPENED RE-SILICIFIED. S.C. 65°-70° S.C. 70°.					
			557.8' - 561.0' MIXED GR & GN MST. S ₀ & S ₁ @ 65°-70°. SILICIFIED.					
			561.0' END OF HOLE.					





NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Au PPB
D2 9009-01	MINTÈRE EXPLOI	23
D2 9009-02	MINTÈRE INC.	232
D2 9009-03	J.E. PARZINSKI	<5
D2 9009-04	235 RUE FRANÇOIS	10
D2 9009-05	INC. 77 235 101	126
D2 9009-06		16
D2 9009-07		60
D2 9009-08		11
D2 9009-09		176
D2 9009-10		1139 0.032 g/g
D2 9009-11		235
D2 9009-12		9
D2 9009-13		18
D2 9009-14		<5
D2 9009-15		<5
D2 9009-16		<5
D2 9009-17		10
D2 9009-18		<5
D2 9009-19		6
D2 9009-20		21
D2 9009-21		<5
D2 9009-22		<5
D2 9009-23		<5
D2 9009-24		<5
D2 9009-25		<5
D2 9009-26		<5
D2 9009-27		<5
D2 9009-28		<5

Work Order : R-0065

KMS

DDH 9009


















Sample Number	Wt. g	Conc. Wt. g	Bead Wt. mg	Conc. g/t Au	Fines		Float		Head Sample		Sites			
					Wt. g	g/t Au	g/t Au	no float	w/float	+10	+20	-20+60	-60+100	

NORTH ZONE

9009-01	3048	25.62	0.04	1.65	949	0.43		0.44	0.013	*	*	*	*
9009-02	1309	17.92	0.01	0.83	384	0.21		0.22	0.006	*	*	*	*
9009-03	126	22.83	0.00	< 0.07	26	0.07		0.07	0.002	*	*	*	*
9009-04	365	16.21	0.00	< 0.07	80	< 0.07		0.07	0.002	*	*	*	*
9009-05	1213	25.58	0.00	< 0.07	275	0.25		0.25	0.007	*	*	*	*
9009-06	314	20.41	0.00	< 0.07	69	0.16		0.15	0.004	*	*	*	*
9009-07	1549	31.25	0.00	0.11	428	0.12		0.12	0.003	*	*	*	*
9009-08	1242	22.13	0.00	< 0.07	334	< 0.07		0.07	0.002	*	*	*	*
9009-09	3558	25.92	0.10	3.79	1076	0.27		0.30	0.009	*	*	*	2
9009-10	1750	25.39	0.51	19.97	571	2.09		2.35	0.069	*	*	*	2
9009-11	374	25.15	0.05	2.01	92	0.98		1.05	0.031	*	*	*	*
9009-12	1444	27.13	0.00	< 0.07	402	< 0.07		0.07	0.002	*	*	*	*
9009-13	1036	25.81	0.00	0.10	321	0.12		0.12	0.003	*	*	*	*
9009-14	398	27.97	0.00	< 0.07	75	< 0.07		0.07	0.002	*	*	*	*
9009-15	633	30.93	0.00	< 0.07	145	< 0.07		0.07	0.002	*	*	*	*

LEGEND

LITHOLOGY - STRATIGRAPHY

	6	<u>MAFIC IGNEOUS COMPLEX</u> Intrusives (M. Ordovician) 6a Gabbro 6ab Basaltic 6ap Porphyritic 6b Diorite 6bq Quartz-Bearing
	5	<u>BEAUCEVILLE FORMATION</u> U. MAGOG Group (M. Ordovician) 5a Mudstone 5b Siltstone/Sandstone  5c Greywacke 5e Conglomerate
	4	<u>ETCHEMIN FORMATION</u> M. MAGOG Group (M. Ordovician) 4a Mudstone 4b Siltstone/Sandstone  4c Greywacke  4d Ferruginous Mudstone (Lean Iron Formation, Red Beds)  4e Conglomerate
	3	<u>FRONTIERE FORMATION</u> L. MAGOG Group (M. Ordovician) 3a Mudstone 3b Siltstone/Sandstone 3c Greywacke  3e Conglomerate
	2	<u>SAINT-DANIEL FORMATION</u> Melange/Olistostrome (Cambrian - M. Ordovician) 2a Mudstone 2b Siltstone/Sandstone  2c Greywacke  2d Ferruginous Mudstone (Lean Iron Formation, Red Beds)  2e Sedimentary Melange/Olistostrome (Interbedded Mudstone, Siltstone, Greywacke) 2ep Pebbly 2eb Blocky  2f Ultramafic Volcanics (Precambrian-Cambrian) 2fs Serpentinite
	1	<u>CALDWELL FORMATION</u> (Cambrian) 1a Mudstone 1b Siltstone 1c Sandstone (Precambrian - Cambrian) 1d Mafic Volcanics  1e Ultramafic Volcanics 1es Serpentinite
	1M	<u>BENNETT FORMATION</u> Metamorphosed Caldwell Rosaire and Armagh Formations 1ma Mudstone 1mb Siltstone 1mc Sandstone (Quartzite-Schistose Quartzite)

LEGEND

ABBREVIATIONS

LITHOLOGY

tu Turbiditic
tf Tuffaceous (volcanogenic sediments)

MINERALIZATION

VG Visible Gold
ASP Arsenopyrite
Cp Chalcopyrite
Gn Galena
Mag Magnetite
Py Pyrite
Po Pyrrhotite
Sph Sphalerite
Li Limonite
He Hematite
Mn Manganese
Sul Sulphides
Zo Zoisite
Ep Epidote
Cn Carbon
Cl Chlorite
Cb Carbonate (Probable Mg-Fe)
Cc Calcite
Cr Rhodocrosite
F Feldspar

VEINING

V Vein
Stgrs Stringers
Stk Stockwork
VS Vein system
Q Quartz
QCb Quartz carbonate
QF Quartz feldspar
QCbf Quartz carbonate feldspar
Bx Breccia

ALTERATION

Ser Sericitic
Chl Chloritic
Sil Silicious

Sil₁ weak to moderate
Sil₂ strong
Sil₃ hornfelsic or cherty

Grp Graphitic
Carb Carbonatized

Cal calcareous

METAMORPHISM

Sch Schistose
Gn Gneissic

LEGEND

GEOLOGICAL SYMBOLS

BD90-133



Outcrop/Station and Sample Number



Boulder (erratic) Transported

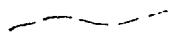


Float (locally derived)

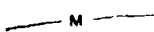
Lithological Contacts



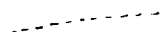
Observed, Defined



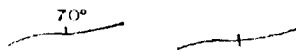
Approximate, Inferred



Inferred by Geophysics (M=Magnetics, EM=Electromagnetics)

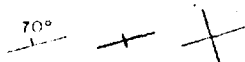


Assumed, Concealed or Interpreted



Contact Showing Inclined Dip; Vertical

Bedding



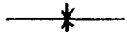
Bedding Plane: Inclined, Vertical, Horizontal



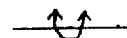
Bedding Plane with Younging Direction: Inclined; Overturned



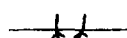
Anticline and Axial Trace



Syncline and Axial Trace



Overturned Anticline and Axial Trace



Overturned Syncline and Axial Trace

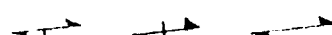
Cleavage and Foliation



S₁ Cleavage: Inclined; Vertical; Undetermined Dip



S₂ Cleavage: Inclined; Vertical; Undetermined Dip



S₃ Cleavage: Inclined; Vertical; Undetermined Dip

Lineations



Mineral Elongation; Quartz Elongation



Bedding-Cleavage Intersection Plunging; Horizontal



Gneulation S₁/S₂ Intersection Plunging; Horizontal



Stickenside (Shown on Fault Plane) Normal; Reverse




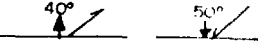
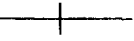
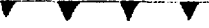
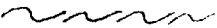

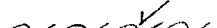





Mineral Striations (i.e. Rolled Vein with Grooved Surface)




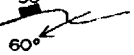
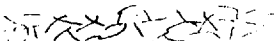
Quartz Vein Intersection with S₁

Faults (blue)



	Fault Trace (Observed)
	Approximate Fault Trace (Inferred)
	Dip Direction/Angle - Normal Fault
	Dip Direction with Relative Slip - Reverse Fault
	Vertical Fault
	Low Angle Thrust (45° or less), Barbs on Hanging-Wall
	Shear
	Strike-Slip Shear
	Oblique Shear
	Fault Zone or Shear Zone Showing Dip
	Breccia
	Joints: Inclined; Vertical

Mineralization


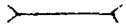


Orange = Quartz
Red = Sulfide

	Quartz Vein: Inclined; Vertical
	Folded Quartz Vein with Axial Trend and Plunge
	Quartz Stockwork

Glacial Features

	Striation with Determined Ice Direction Sense; Undetermined
	Esker

Surface Openings

	Prospect Trenches, Pits, or Open Cuts with Depth Indicated
	Narrow Trench
	Sand or Gravel Pit
	Mine or Quarry