

Diamond Drill Record						HOLE NO. 84-03		Page 1 of 4		
LOCATION: LP-0 (PLINC)		DIPS - collar 65°		CONTRACTOR: PHIL'S DIAMOND DRILLING		PROPERTY: ARBOR				
AZIMUTH:				LOGGED BY: S. LAU		CLAIM NO. SYNDICATE BLOCK				
ELEVATION:		102' - 7 60°		DATE: 25 NOVEMBER		SECTION NO.				
LENGTH: 302'		- m °				STARTED: 4 NOVEMBER 1984				
CORE SIZE: NQ		- m °				COMPLETED: 18 NOVEMBER 1984				
PURPOSE:										
Section		ROCK		Interval		ALTERATION.		VEINLETS		
from m	to m	DESCRIPTION		from m	to m	MINERALIZATION etc.		Thickness mm	Angle to core	minerals in decreasing abundance
0'	14'	OVERBURDEN				< 2% DSSM PY CUBES				
						< 1 mm ³ . PRIMARY NO OTHER SUS.				
14'	32'	SERICITE-CHLORITE-GARNET- QTZ SCHIST.		17'8"	18'	11 cm WIDE QTZ. W. 35° TO CORE				
		SCHISTOCITY IS 85° TO CORE				AXIS NO SUS EXCEPT < 1% DSSM				
		AXIS.				PY CUBES ALONG CONTACT				
		LIGHT GRAY-GREEN IN COLOUR								
		FRT 15° SUBPARALLEL TO SCHISTOCITY, 23'		23'3"		7 cm WIDE BULL QTZ VN. 45° TO				
		SERICITE - 45%				CORE AXIS NO SUS.				
		CHLORITE - 20%								
		GARNET - 5%		29'	29'2"	2.5 cm WIDE BULL QTZ VN 40° TO				
		QTZ - 30% (PORPHYROBLASTIC)				CORE AXIS. FAULT RELATED "WALL				
		PYROLUSITE ALONG FRT.				RX FRAGS CONTAINED IN VN.				
		GRADES INTO NEXT RX UNIT OVER								
		A GRADATIONAL 0.5m LENGTH								
		RECOVERY - 100%								
32'	38'	SERICITE-TALC-BIOTITE-QTZ SCHIST								
		50% 30% 10% 10%								

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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
32'	38'	LIGHT GRAY IN COLOUR.			6% DSSM 2nd PY. PY OCCURS			
		SCHISTOCITY 85° TO CORE AXIS.			AS BLEBS RETAINING A DEGREE			
		MINOR GARNET PRESENT. BIOT IS 2nd.			OF BEING CUBES BUT POSSESSING			
		CONTACT WITH NEXT UNIT			A HACKLY APPEARANCE.			
		GRADATIONAL OVER 0.5 m.			NO OTHER SUS.			
		RECOVERY - 100%						
38'	222'	CHLORITE - QTZ SCHIST WITH MINOR	38'	222'	PY RANGES FROM 6% to 12%.			X TALCINE Ga NOT UNCOMMON
		2nd BIOT-TALC-GARNET.			~ 80% OF PY OCCUR AS DSSM			IN VEINS
		QTZ OCCUR AS PORPHYROBLAST			AND 20% AS BANDS OF PY			RIGHT LATERAL LIMONITE-
		WITH MAFIC-RICH BANDS AND AS			GRAINS AUGNED ALONG SCHISTOCITY.			stained fault at 72'. 75°
		VN AND QTZ-RICH BANDS.			HOWEVER, RATIO IS REVERSED			to core axis. Graphitic
		QTZ % RANGE FROM 10% TO			AS HOLE GETS DEEPER.			along frt. Limonite-stain
		50%			ALSO, GRAIN SIZE IN CLASTS			10 cm fault at 77'; 70° to
					FROM AN AVERAGE OF 0.5 mm ³ TO			core axis.
					AN AVERAGE OF 1.5 mm ³ .			6 cm wide shear (recovery:
					BOTH PRIMARY AND SECONDARY			mud) at 80'. No sus. orig
					PY ARE SEEN. GRAINS ARE MOSTLY			orientation unknown.
					OF SECONDARY NATURE AS YOU GO DOWN THE HOLE.			
		38'-41' SCHISTOCITY 85° TO			40%-6% DSSM PY AND 0.5 mm ³ .			
		CORE AXIS. MINOR QTZ VN-NOT			PRIMARY PY.			
		EXCEEDING 3 mm WIDTH						

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Section		ROCK DESCRIPTION	Interval		ALTERATION, MINERALIZATION etc.	Thickness mm	Angle to core	VEINLETS
from m	to m		from m	to m				minerals in decreasing abundance
41'	73'	SCHISTOCITY 60° to 75° TO CORE			PY UP TO 12% in places			QTZ VN USUALLY ARE
		AXIS. FRACT 80° TO CORE AXIS SUB//			BUT AUG 8% \approx 65% DSSM			DISRUPTIVE AND SLIGHTLY
		SCISTOCITY. PYROLUSITE ALONG FRT.			AND 35% AS BANDS			X-CUT SCHISTOCITY BUT STILL IS
		QTZ CONTENT INCREASED BY			FOLLOWING SCHISTOCITY - SIZE			SUB// TO IT. THICKNESS RANGES
		2 FROM 20% TO 40%.			RANGES FROM 0.5 mm ³ TO 4mm ^x			FROM 0.5 cm TO 7 cm BUT
		QTZ-RICH BANDS ALSO			6 mm. SMALLER GRAINS ARE			AUG 3 cm. VN BULLISH EXCEPT
		INCREASED THICKNESS 100%			NICE EUHEDAL STRIATED CUBES			FOR MINOR DSSM PY CUBES.
		ABUNDANT QTZ VN. \approx 4/m			WHEREAS LARGER GRAINS ARE			
					DEFINITELY 2nd WHERE SEVERAL			
					GRAINS HAVE RECRYSTALIZED			
					INSIDE OF A LARGER CUBE.			
					NO OTHER SUS OBSERVED.			
		73'-197' SCHISTOCITY 85° TO			6%-8% PY. 80% OF PY OCCURS			QTZ-INFILLED SHEAR ZONES
		CORE AXIS BUT MAY REACH 60° OVER			AS BANDS. AUG SIZE 0.5 mm ³ .			CONTAINING WALL RX FRAGS.
		SHORT LENGTHS (<0.5m) IN PLACES.			PY & UP TO 15% ALONG EDGES			RANGES IN WIDTH FROM 4 cm
		MAFIC CONTENT INCREASED FROM			OF QTZ-INFILLED SHEAR ZONES.			TO 40 cm. OCCUR AT 79', 83',
		30% TO 50%. QTZ DECREASED.			PY OCCUR AS BLEBS MEASURING			87', 93', 121', 124', 128', 139',
		MINOR QTZ PORPHYROBLASTS PRESENT			5mm x 8mm BUT USUALLY ONLY			146', 148', 161', 167', 180', 193'.
		IRREGULAR FRT SURFACES AT 60° TO			HALF AS LARGE. UNUSUAL			MOST ARE SUB // TO SCHISTOCITY
		CORE AXIS AND SUB// TO SCHISTOCITY.			COLOURATION TO THESE PY; THEY			BUT REACH BE UP TO 60° TO
		PYROLUSITE & LIMONITE ALONG FRT.			HAVE A BRONZE-TARNISHED			CORE AXIS. ONLY PY SEEN
		OCCASIONAL QTZ-INFILLED SHEAR			APPEARANCE SIMILAR TO NICCOLITE.			ASSOCIATED WITH THIS QTZ AND THE
		ZONES CONTAINING WALL RX BRXX.						PY OCCURRED MOSTLY AS BLEBS ALONG THE MARGINS.

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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
		197'-222' SCHISTOCITY 80° TO			8% PY OCCURRING AS DSSM			
		CORE AXIS. SHOWS UNDULATIONS			ALONG MAFIC-RICH BANDS.			
		(WIDE, OPEN, SMALL SCALE FOLDS).			AUG 0.5mm ³ CUBES.			
		LITTLE QTZ VEINING BUT TOTAL						
		QTZ % STILL 50% BECAUSE OF						
		ABUNDANCE OF QTZ - RICH BANDS.						
222'	242'	20' WIDE HIGHLY SHEARED ZONE.			UP TO 20% PY. MOSTLY 0.5 mm ³			
		BRN GRN IN COLOUR. RECOVERY			CUBES. NO OTHER SUS.			
		40% AND CONSIST MOSTLY OF						
		QTZ GRAINS WITH MINOR CHLORITE						
		FLAKES. DIP ORIENTATION OF						
		FAULT PLANE UNCERTAIN BUT						
		ESTIMATED 750° TO						
		CORE AXIS.						
		FOOTWALL/HANGING OF SHEAR						
		BORDERED BY FRAGMENTED QTZ.						
242'	302'	SCHISTOCITY 85° BUT DECREASING			UP TO 12% PY. OCCURS MOSTLY			QTZ VNING UP TO 40% OF TOTAL RX.
		TO 65° TO CORE AXIS FURTHER			AS DSSM BLEBS WITHIN THE			VN AVG 3-4 mm IN THICKNESS AND
		DOWN THE HOLE.			QTZ VEINS.			MORE OFTEN THAN NOT SHOWS SHEARING
		ABUNDANT QTZ VNING			281' minor sphalerite, galena			AND FOLDING.
					and chalcopryrite associated			
					with narrow qtz. stringers			