



DIAMOND DRILL LOG

Hole No

1285

Page No 1

Feature :

Bedding

Foliation

Fracture - size & shape

Shearing

Fault

Vein

carbonate

quartz

Mineralization :

Trace 1-5%

Common 5-15%

Abundant 15-60%

Massive >60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG				DEPTH m	MINERALIZATION
			TRACE	COMMON	ABUNDANT	MASSIVE		
100	6.00	NO COAL - TAN - CONG						
278	10	<u>BASALT (Vb)</u> From 6.00 to approximately 15.00 the basalt is extremely weathered to a orange colour - Rare sections are fresh and there are a pale blue green colour. In the fresher parts bluish staining is often seen and carbonate filled amygdaloids. Core recovery is very poor with a majority of the core being fragmented and broken up. The Vb is oxidized & iron staining common on joints.						
080	20	<u>Green shale with 22.70 - 23.50.</u> The core is broken up.						
095	30	<u>From 27.00 - 28.10 - claystone & Vb and dark shale fragments.</u>						
080	38							
080	40							
080	42							
080	43							
080	44							
080	45							

Dark blue green massive Vb & fine dark blue shaly amygdaloids. Minor dark blue shaly and silty.

- Vb -

core of



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CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG			DEPTH m	MINERALIZATION
			TRACE	COMMON	ABUNDANT		
298	73.67	FAULT - 83m thickness. FINE ground massive olive green Vb. Moderately chlorite stained and mottled by irregular chlorite veins. Pale chlorite oxidized with phyllosilicates at 74.50. Chlorite alteration at 75.80-76.00 oxidized with pyroxene and chlorite veins. Intermittently chloritized zone 85X between 77.49 - 77.59, 80.00-80.05. Contact with extreme values chlorite/ky and slightly pyroxene. 60 to 65 C.A.				77.50 7m phyllosilicates, 45% to C.A. 76.43 irregular phyllosilicates to 60 C.A.	
297	73.70	PARSALT (Vb) Fine ground massive olive green Vb - Moderately chlorite stained and mottled by irregular chlorite veins. Pale chlorite oxidized with phyllosilicates at 74.50. Chlorite alteration at 75.80-76.00 oxidized with pyroxene and chlorite veins. Intermittently chloritized zone 85X between 77.49 - 77.59, 80.00-80.05. Contact with extreme values chlorite/ky and slightly pyroxene. 60 to 65 C.A.					
298	77.57	PODRETTIC PARSALT. Chlorite fine ground porphyritic Vb - phyllosilicates contact becoming to brown with fine to coarse phyllosilicates and having 80% to 85% contact. brown to grey brown shade poorly bedded and fine grained. Lower contact 48 to C.A.					
302	80	PARSALT (Vb) - generally fine grained massive, chlorite, with some chlorite veins. Fine carbonate staining common. Occasional larger phyllosilicates. Best when in pale greyish blue green chloritized.					
156	83.51	ALTERED PARSALT (Vb) Greenish green fine grained altered corallite - olive blue to purple - thin faults 84.90, 85.00, 85.05. Core Internally broken 85.25 - 85.35 - Purple to phyllosilicates, open contact.					
0.95	85	PARSALT (Vb) Fine grained olive green massive Vb - Rarely seen any chlorite veins. Generally argillitic thin chlorite staining - Resists minor faults at 86.44, 87.00, 87.72, 88.37 - normally 60 to 65 C.A. Lower contact sharp with a step in 45 to 60 C.A.					
259	89.07	TOURMALINE SANDSTONE (Vc).					
302	90	Massive medium grained greenish to red brownish buffaceous sandstone with rare red shaly lithic fragments. Thin vein - crossing chlorite veins are common, 60 to irregular phyllosilicates superposition. Carbonate clots or spots are frequently seen. Minor fine grained red shaly inclusions.				90.31 phyllosilicates 30% to C.A. ± trace phyllosilicates	
303	94.25	Rest					
	95	White sandstone, with red shaly fragments.					



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CORE RECD	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
	153.6	Weathered and slightly altered shales Lower contact 10° to 18° C.A.							
	153.2	CHOC SHALES - Fine grained massive poorly bedded choc colored shaly, shin dark fine red matrix calcite veining 0.1-5 in purple brownish shaly unit - poor irregular bedding calcitic alteration lower contact 65° to C.A.							
	153.1	CHOC SHALES - FINE SST / VENE / TUFF / QUARTZ GRAIN STATE: Interbedded sequence of lg. massive chod. shales, medium grained granular brown buff sst, like hills with fragments to 0.5 cm finer purple brown f.g. shales. Bedding is generally see between units, usually 45°-35° to C.A. lower contact sharp 40° to C.A.							
	152.5	SPARS (Vb) Fine grained dark olive green massive Vb - 15cm fine carbonate spotting common. Occasional calcite veins. Thin dark veining not becoming more common toward the base. Appears to be a slightly bed lower contact							1cm long vein 15° to C.A. containing phg carbonate.
	146.0	POLEVYANETIC BASALT Fine grained gray green to olive green massive highly porphyritic (1) - feldspars - basic volcanic. The phenocrysts are quite regular in size, generally 2mm. Poor fine amygdular filled with calcite. Carbonate infilling, irregular vein and veins are very common with secondary carbonate associated with the feldspars have a distinct coloration to them occasionally calcite veining rocky vein. Oxy carb, Vb 53%, trace vein at 165.07 relatively 1cm phg vein 45° to C.A. Fine carbonate spotting adjacent to same vein. Epidote associated with veins in lower half of sequence Bx (?). 168.70 - 168.80, 171.12 - 171.98							phg carb, epidote vein 45° to C.A. Irregular phg vein minor carb 25° to C.A. due to massive. Epidote ± minor phg carb. 174.35
	141.6								
	130.5								
	129.9								
	129.6								
	129.1								
	129.0								
	128.0								
	123.0	CHOC. SHALE - Massive poorly bedded fine grained choc. colored shaly Very fine calcite vein - rare - thin. Vein of 183.04 35° to C.A. Contact 42° to C.A.							
	118.5	TURFENCOUS SANDSTONE - Medium grained							



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CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
	1857.6	Carbonate rock - brownish grey with ssp. 15% at 184.91, 6 cm in dia - contact with schist							
	190	CHOC. SHALES Generally massive weakly bedded fine grained blue-colored shale. Lower thin calcite veins - thin green altered interbeds. Interbeds more characterized by abundant red secondary carbonate. Rotary green altered shales towards base of sequence. Lower contact gradational.							
	190.76	CHOC SHALE GREEN TUFF SHALE - interbedded blue colored shales and calcite green tuff. Porphyritic GREEN SHALE (top) 100%.							
	191.29	CHOC SHALES - Massive fine grained generally anoxic to poorly bedded blue-colored shales. - calcite veining and secondary X ₂ common. Irregular bluish and pinkish green alteration zone common. From 186.2 to base of sequence the shales become a darker green brown and are grey green at contact with underlying unit.							
	192.85	Lower contact sharp 45° to 60° calc. slickensides lower contact sharp fault							
	193.05	GREEN LAYER MEDIUM SHALE - PORPHYRITIC. Disrupted sequence of fine grained shaly grey to grey brown shales with medium grained dolomitic shales. Found 1 m of mainly dolomitic shales, generally chaotic. Reddish carbonate at base. Contact sharp 80° to 90° calc. A.							
	193.22	CHOC. MEDIUM SHALE - Massive fine grained, chaotic grey brown shale with very minor calcite veining. Lower contact irregular and possibly slickensided & 25° to 45° calc. A.							
	193.28	LHTESTONE: Chaotic fragmental limestone with minor grey black shale interbeds. Fragments are subrounded to rounded and generally fractured by calcite veins. Slight con. from 186 to 190 cm in width. Lower contact red well defined.							Minor fine grained pyrite mineralized in patches.
	193.29	GREEN SHALE Fine grained anoxic poorly bedded and red colored shale. (Other features listed on 193.28 contact sharp 45° to 60° calc. A.							
	193.29	LHTESTONE: Massive block fine grained limestone 1 generally well bedded 25° to 35° calc. A.							
	193.29	CHOC. SHALE Lower contact core broken slickensides fault							
	193.29	CHOC. SHALE Fine grained very hard and grey generally well bedded chert. Reddish veins from 186 to 190 cm in dia to 25° to 30° calc. A. Min. vein cracks are common, more so in the lower well bedded sections.							



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Trace 1-5%
Common 5-15%
Abundant 15-60%
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CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG				DEPTH m	MINERALIZATION
			TRACE	COMMON	ABUNDANT	MASSIVE		
	211.99	FAULT - sandstone part of section.						
	211.70	CHEAT SHALE SST - siliceous matrix.						
	211.55	SANDSTONE - siliceous matrix, fine grained massive. Lower contact massive bedded. Lower contact bedded (chert nodules 20% to c.a. chert).						
	213.95	SANDSTONE CHEAT SST CHEAT - fine grained shale & part of shale, carbonate rich sandstone. Lower contact gradational.						
	215	BEOWN GREY SHALE - massive chaotic brownish to grey poorly bedded shale. BX 215.35-215.45 - siliceous. From 217.07 to 217.40 the shales are grey with carbonate rich silt (?) chert. Lower contact bedded (siliceous nodules) to SANDSTONE (SST) - medium to coarse grained grey to mid grey massive poorly bedded SST. It is carbonate rich and occasionally found by chert. Lower contact sharp 50% to c.a.						
	220	GREY SHALE - fine grained chaotic parting bedded grey shale - rare chert veins. Lower contact not seen.						
	220.37	GREY SHALE - fine grained chaotic parting bedded grey shale - rare chert veins. Lower contact not seen.						
	221.7	SANDSTONE - medium to coarse grained mid grey massive silt. Carbonate rich with small carbonate chert and minor chert veining. Lower contact sharp 60% to c.a.						
	225	SHALE SANDSTONE - Grey chaotic shale with carbonate rich sandstone interbeds. Lower contact not seen.						
	225.6	GREY BEOWN SHALE - fine grained chaotic red purple brown shale with minor chert veins.						
	227	CHAOTIC UNDESIGNED SHALE - fragmented siliceous SANDSTONE SHALE - thin carbonate rich and fine chert shale. CHEAT, shale 228 lower contact 65% to c.a.						
	228.32	GREY BEOWN SHALE - massive fine bedded grey of brown shale - lower contact 30% to c.a.						
	229.13	SANDSTONE - carbonate rich m.g. grey bedded shale - fine siliceous shale & 15 cm chert band at 229.77. Lower contact 15% to c.a.						
	230	SANDSTONE - massive carbonate rich.						
	230.03	SANDSTONE - massive carbonate rich.						
	230.55	GREY BEOWN SHALE - massive fine grained poorly bedded matrix brownish grey shale. Rare thin carbonate veins. Lower contact not seen.						
	232.9	SANDSTONE SHALE - m.g. silt & siliceous grey shale - fine bedded. Lower contact sharp 60% to c.a.						
	233.42	SANDSTONE - m.g. mid grey carbonate rich.						
	235	SANDSTONE, CHEAT, CARBONATE VEINING SST - siliceous. CHEAT - fine grained massive to						

Thin chert veins detected in the shale

Some chert veins.





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Fragment - size & shape 

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 carbonate

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Mineralization :

Trace 1-5%

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Massive > 60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG				DEPTH m	MINERALIZATION
			TRACE	COMMON	ABUNDANT	MASSIVE		
0-7C		well bedded whitish grey to black. Reddish weathered surface between 15'-40' to c. 48'. Fine scale fracturing very common. Very minor white stringing. At times the dust is very irregular.						
0-17		Lower contact not seen. Exposure starts at 100m. SAUBERKONE (SST) - medium ground with very massive sst. carbonate rich. More than white vein.						
1-95	940							