

		Coord.:	Length: 1000'	Project: Diamond Drill Program	Hole No.: 86-1
		Elev.:	Azimuth: 195°	Location: Rusty Springs, Yukon	Date: September 26, 1986
		Core Size: NQ BX	Dip: -45°	Purpose: Exploration	Logged By: J.A. Chamberlain (at Whitehorse)
234	405	DOLOMITIC LIMESTONE	Med gr c.a. blebs struct 287' to 375'		
			0 22 CASING		
405	406	SHALE	Blk, siliceous to c.a. bedding	22 30 BROKEN CORE (Box # 1) Dark grey-black shaley dolomite mixed with blk silty gouge-like material.	
			30 34 DOLOMITE	Med grey, massive.	
437	438	SHEAR	One foot	34 35 SHEAR	Blk silty, mud-like, possibly in-filling from 22' to 30'.
438	475	DOLOMITE	Med gr 451' to 451' plane	35 68 DOLOMITE	Med grey, massive w white, irreg calcite str.
			68 69 "VEIN"		White calcite over 4" with broken core.
			69 77.5 DOLOMITE		
475	487	DOLOMITE, (HEM.)	Red-gr and pale well h	77.5 89 SHEAR ZONE (?)	Broken core, mixed with brown to orange limonitic "gouge". Solution cavities in dol are filled or partly filled with limonite. Soft, incompetent section. No attitudes determined. Few carbon-coated slips.
487	527	DOLOMITE	Grey, to c.a.	89 190 DOLOMITE	Med to dk grey, mainly massive. Poss local bedding at 450 to c.a. but becoming quickly massive or brecciated (healed). 186-190 Broken core with limonite-coated tract.
527	535	QUARTZITE	Pale g		
535	565	DOLOMITE	Impure 568'.	190 193 SHEAR (?)	Possible shear structure filled with black shaley material containing high organics. Quite plastic and soft.
565	576	SHALE	Blk to sheari materi	193 222 DOLOMITE	As 89 to 190.
			222 234 SHEAR(?)		Much broken core, not due to drilling. Hematite coated fractures. Section is hematite stained, probably due to high permeability of rock which is locally a sandy siltstone.

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576	592	DOLOMITE	Grey, massive.
592	593.5	STRUCTURE	Blk pulverized shaley "gouge", now partly recemented from drying. Much carbonaceous material along with assortment of fine rock fragments.
593.5	619	LIMESTONE	Pale grey siliceous, with <u>abundant fine py from 596 to 608</u> , otherwise clean. Core quite broken up. Pyrite section is in Box 33 if sampling needed.
619	706	DOLOMITE	Siliceous, pale grey, clean, competent. 689-691 vuggy, porous ls. Monotonous section.
706	708	LIMESTONE	Impure, streaked with blk bands at high angle to c.a.
708	751	DOLOMITE	Dolomitic limestone, massive.
751	753	SHALE	<u>Blk fg with 4 to 6" of massive sulps.</u>
753	1000	DOLOMITE	Siliceous, clean, bedding locally clear @ 45° to c.a. 772-788 Vuggy from solution cavities (minor). Occasional similar vuggy, siliceous sections to end of hole. Most rock siliceous dolomite, pale grey, massive. No mineralization or significant structures.

Overall core recovery excellent.