



J. R. Paine & Associates Ltd.
CONSULTING AND TESTING ENGINEERS

TEST HOLE LOG AND LABORATORY TEST DATA

PROJECT Geotechnical Investigation R0ss River, YUKON Territory
R0ss River Roads and SANITARY Sewer Dev.

DWN. WCK CKD. *WCK* JOB NO. 8002-110 DATE 89/09/23 HOLE NO. 37 PLATE NO. 37

MOISTURE CONTENT		SOIL PROFILE		SAMPLES					
LIQUID LIMIT (W.L.)		DEPTH		CLASSIFICATION		226-229			
PLASTIC LIMIT (W.P.)		ELEV. M.		DATUM		OTHER TESTS		Unconfined Compressive Strength kPa	
STANDARD PENETRATION TEST		GROUND SURFACE ELEVATION						SAMPLE COND.	
MOISTURE CONTENT (%) & STAND. PENETRATION (N)								TYPE	
10 20 30 40 50 60 70 80								DEPTH SCALE	
		0.00-0.15m, organics & ash 0.15m				M=13.3%		X	
		S#226, 0.15-0.45m sandy silt with silt seams, brown 0.45m						X	
		S#227, 0.90-1.50m sand, odd silt seam, brown 1.70m				M=4.3%		X	
		*S#228, 2.15-3.05m gravelly sand, trace of silt, wet, brown (frozen @ 2.30m)				M=6.9% MA		X	
		*S#229, 3.05-3.80m gravelly sand, some silt, wet, brown 3.80m				M=6.9%		X	
		End of Hole							
		* - Silt and sand content possibly increased by auger action. (ie. rock powder & chips.)							
		- proposed lagoon site							
		- stand pipe installed <i>09</i>							
		- no free water noted, 89/08/26, 89/10/10							

SOIL TYPES	CONDITION	SAMPLE TYPE	LABORATORY TEST SYMBOLS	PENETRATION RESISTANCE
TOPSOIL PEAT FILL CLAY SILT SAND TILL BEDROCK	-UNDISTURBED -DISTURBED -LOST SAMPLE	U - 76mm SHELBY TUBE D.S. - DRIVE SAMPLE M - MOISTURE CONTENT R.C. - ROCK CORE	Qu - UNCONFINED COMP. STR. kPa γ_d - DRY WEIGHT kg/m ³ C - CONSOLIDATION TEST MA - GRAIN SIZE ANALYSIS	(N) - NUMBER OF BLOWS OF A 140 lb. HAMMER DROPPED 30 ins. (FREE FALL) REQUIRED TO DRIVE A 2" O.D. RAYMOND TYPE SAMPLER A DISTANCE OF 12" INTO THE SOIL.