



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

TEST HOLE LOG AND LABORATORY TEST DATA

PROJECT: Geotechnical Investigation Ross River, Yukon Territory
Ross River Roads and Sanitary Sewer Dev.

DWN. WCK CKD. *WCK* JOB NO. 8002-110 DATE 89/09/23 HOLE NO. 36 PLATE NO. 36

MOISTURE CONTENT SOIL PROFILE SAMPLES 221-225

LIQUID LIMIT (W.L.) PLASTIC LIMIT (W.P.) STANDARD PENETRATION TEST MOISTURE CONTENT (%) & STAND. PENETRATION (N)

DEPTH CLASSIFICATION SOIL SYMBOL OTHER TESTS Unconfined Compressive Strength kPa SAMPLE COND. TYPE DEPTH SCALE

10 20 30 40 50 60 70 80

100mm of organics @top
S#221, 0.10-0.30m/silt, some sand, rootlets, brown 0.30m

S#222, 0.60-1.20m sand, trace of silt, brown 1.50m

S#223, 1.50-2.00m sandy gravel, to cobbles in size, moist brown.

S#224, 2.45-3.20m/sandy gravel, (frozen odd cobble, wet, brown @3.05m) 3.20m

S#223, 3.20-3.50m silt, some clay, frozen Vs, ice lenses to 2mm, grey 3.50m

End of Hole

-Proposed Lagoon Site

-standpipe installed

-water table reading obtained 89/08/26, no free water obtained 89/10/10, 2.95m

09

1.0

2.0

3.0

4.0

5.0

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/m³ 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.