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ENGINEERING BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND
SYMBOLS REFER FORM F:GEOT 017/6-2010

BOREHOLE No **BH2**
SHEET **1** of **1**
REFERENCE No **11232**

PROJECT TRAVEL TIME SIGNAGES FOUNDATION INVESTIGATION (SOUTH COAST REGION) - STAGE 3
LOCATION Logan River N/B COORDINATES 528318.9 E; 6922685.6 N
PROJECT No FG5798 SURFACE R.L. 21.13m PLUNGE DATE STARTED 3/11/11 GRID DATUM MGA94
JOB No HEIGHT DATUM AHD BEARING DATE COMPLETED 3/11/11 DRILLER Terratest Drilling Pty Ltd

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD (%)	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC	WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
0	21.13				TOPSOIL Brown grey silty clay.							— Based on Driller's logs only	
1	20.13			A	Interbedded ARGILLITE & METAGREYWACKE Fine grained, low grade, foliated metamorphic rock HW: Grey to brown, dry, hard, low plastic gravelly silty clay rapidly grading into low strength rock with depth.							29,30/90mm N>50	SPT
2				B		HW						30/60mm N>50	SPT
3	18.03			C								30/40mm N>50	SPT
4			(22)		MW: Light grey to dark green, laminated, low to high strength. Defects: - Joints @ 80° (1/m) - Joints @ 10-15° (3/m) - Drilling-induced breaks @ 10° (1/m)							CLy band CLy band Is(50) = 0.03MPa; * Is(50) = 0.77MPa	x o
5			100 (49)			MW						Is(50) = 2.71MPa Is(50) = 0.20MPa; *	x o
6	15.03		100 (90)									Is(50) = 2.04MPa Is(50) = 2.30MPa	x o
7			100 (90)		METAGREYWACKE Fine grained low grade metamorphic rock SW: Light grey, fine grained, foliated, high to very high strength, with occasional bands of extremely high strength. Defects: - Joints @ 80-85° (2/m) - Joints @ 15° (4/m) Defect surfaces are generally planar, slightly rough, open to closed, occasionally with clay infill and iron coating.							CLy band Is(50) = 5.50MPa Is(50) = 2.65MPa Is(50) = 6.86MPa Is(50) = 3.51MPa Is(50) = 1.09MPa Is(50) = 3.44MPa	x o x o x o
8						SW						Is(50) = 11.10MPa Is(50) = 4.14MPa	x o
9	12.03		100		Borehole terminated at 9.1m								
10													

REMARKS * The measured failure load is outside the range at which the accuracy of the load cell is compliant with the test method.

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LD/AD

Project: **TRAVEL TIME SIGNAGE (SOUTH COAST)**

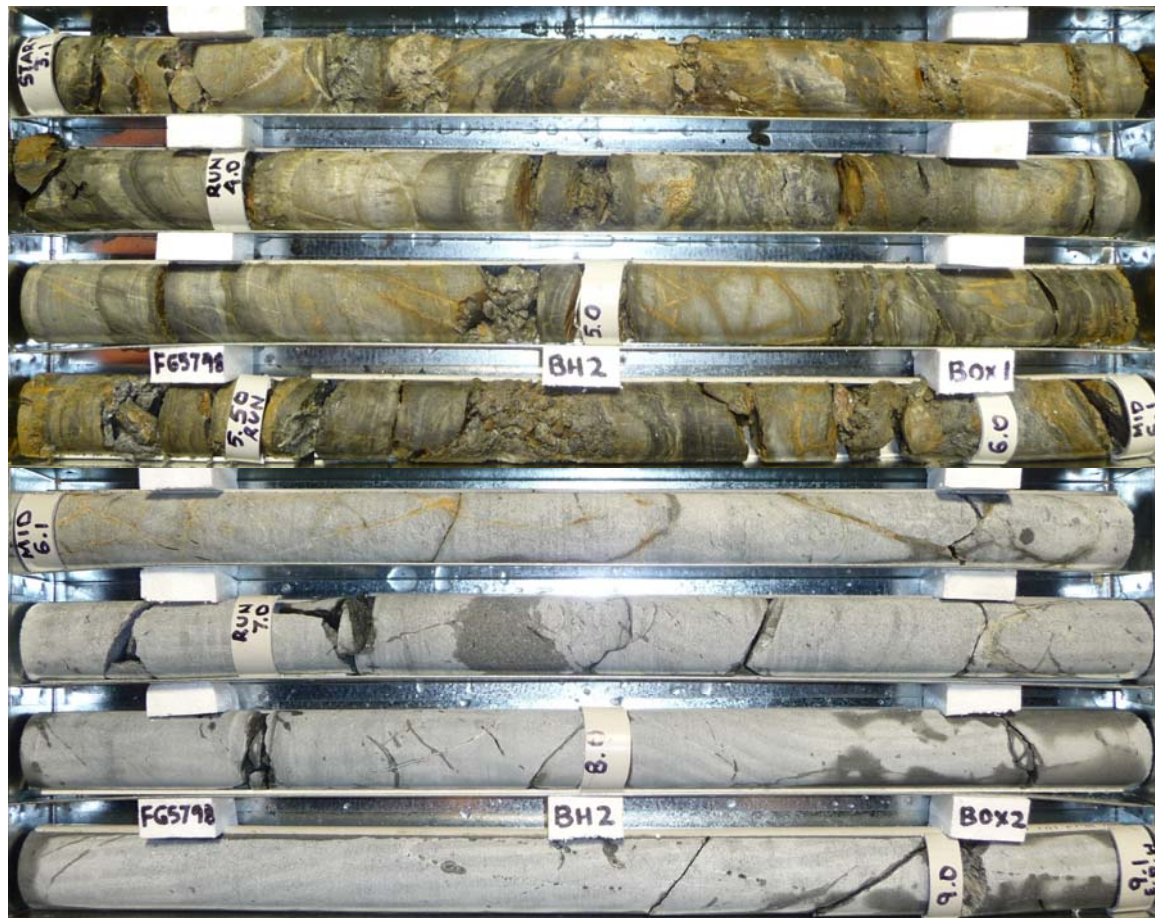
Borehole No: **BH2**

Start Depth: 3.10m

Finish Depth: 9.10m

Project No: FG5798

H No:



SCALE 1:5

F:GEOT043/1