

COPYRIGHT NOTICE

This geotechnical log and its associated data (the Document) is licensed by the Queensland Department of Transport and Main Roads under the [Creative Commons Attribution 4.0 Licence](#) (CC BY 4.0). When reusing the Document, in whole or in part, please attribute the Department as follows: "*(c) State of Queensland (Department of Transport and Main Roads) 2020, licensed under the CC BY 4.0 Licence*". This licence does not apply to the Queensland Government logo or trademarks.

LIMITATION OF LIABILITY

The CC BY 4.0 Licence contains a comprehensive Disclaimer of Warranties and Limitation of Liability. In addition, please note that this Document was prepared for Departmental use only. Reuse of the Document by anyone for any other purpose could result in error and/or loss. You should obtain professional advice before making decisions based on the contents of the Document.

When reproducing any part of this Document, you must also reproduce this limitation of liability notice in addition to the italicised attribution statement above.

Retrieved from the Queensland Geotechnical Database <http://qgd.org.au/>



ENGINEERING BOREHOLE LOG

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

BOREHOLE No **BH5**
SHEET **1** of **2**
REFERENCE No **11235**

PROJECT TRAVEL TIME SIGNAGES FOUNDATION INVESTIGATION (SOUTH COAST REGION) - STAGE 3
LOCATION Logan River S/B COORDINATES 519209.3 E; 6936561.5 N
PROJECT No FG5798 SURFACE R.L. 9.81m PLUNGE DATE STARTED 24/10/11 GRID DATUM MGA94
JOB No HEIGHT DATUM AHD BEARING DATE COMPLETED 24/10/11 DRILLER Terratest Drilling Pty Ltd

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD () %	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
0	9.81					ROAD PAVEMENT & ROADBASE						Based on Driller's logs only	
1	9.01				A	Sandy Silty CLAY (ENGINEERED FILL) Yellow to light brown grey, moist, stiff to very stiff. High plasticity.						6,6,9 N=15	SPT
2					B		(CH)					6,6,7 N=13	SPT
3					C							5,5,5 N=10	SPT
4	6.06				D	Silty SAND (POSSIBLE SLOPEWASH?) Dark grey to black, moist, medium dense.	(CI)					6,8,5 N=13	SPT
5	5.31				E	ARGILLITE Fine grained, foliated, low grade metamorphic rock XW: Exhibits the engineering properties of pale grey to red brown, moist, hard gravelly clay. Low plasticity; rock fragments sizing up to 3mm.	XW					30/70mm N>50	SPT
6	3.71				F	HW: Light grey to yellow brown, thinly foliated, very low to low strength. Occasionally interbedded with medium strength greywacke. Defects: - Joints @ 30° (2/m) - Joints @ 75° (1/m) Defect surfaces are planar, slightly rough, open, occasionally with clay infill and iron coating.	HW					30/55mm N>50	SPT
7					(60)							Js Is(50) = 0.16MPa; *	x
8					100 (66)							Is(50) = 0.21MPa; * ** Is(50) = 0.10MPa; * **	x o
9					100 (66)							Is(50) = 0.06MPa; * Is(50) = 0.06MPa; *	x o
10					100 (62)							Is(50) = 0.14MPa; * Is(50) = 0.11MPa; * ** Is(50) = 0.06MPa; * Is(50) = 0.35MPa; * ** Is(50) = 0.16MPa; * **	x o x o x

REMARKS * The measured failure load is outside the range at which the accuracy of the load cell is compliant with the test method.** Failed along pre-existing defect surface

LOGGED BY
LD/ AD



ENGINEERING BOREHOLE LOG

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

BOREHOLE No **BH5**
SHEET **2** of **2**
REFERENCE No **11235**

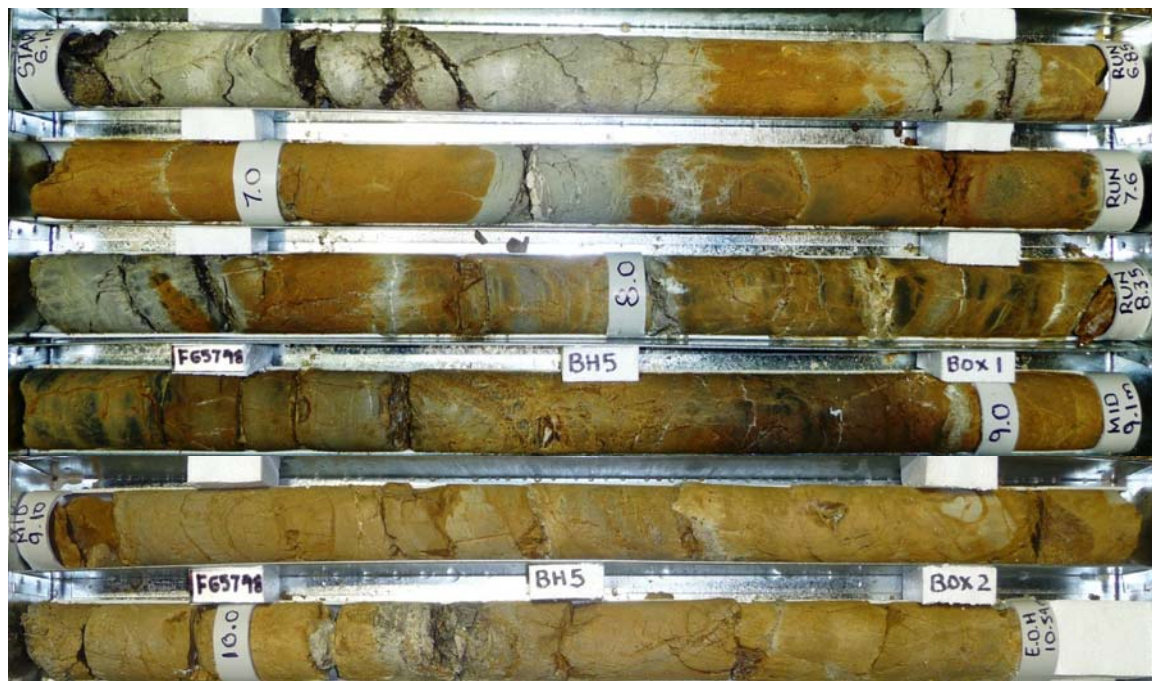
PROJECT TRAVEL TIME SIGNAGES FOUNDATION INVESTIGATION (SOUTH COAST REGION) - STAGE 3
LOCATION Logan River S/B COORDINATES 519209.3 E; 6936561.5 N
PROJECT No FG5798 SURFACE R.L. 9.81m PLUNGE DATE STARTED 24/10/11 GRID DATUM MGA94
JOB No HEIGHT DATUM AHD BEARING DATE COMPLETED 24/10/11 DRILLER Terratest Drilling Pty Ltd

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD () %	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC	WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
10	-0.19					ARGILLITE HW: (Cont'd)		HW					<input type="checkbox"/> CLy zone	
	-0.73		100			Borehole terminated at 10.54m							Is(50) = 0.14MPa: * **	o
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														

REMARKS * The measured failure load is outside the range at which the accuracy of the load cell is compliant with the test method.** Failed along pre-existing defect surface

LOGGED BY
LD/ AD

Project: **TRAVEL TIME SIGNAGE (SOUTH COAST)**
Borehole No: **BH5**
Start Depth: 6.10m
Finish Depth: 10.54m
Project No: FG5798
H No:



0 100 200 300 400 500 600mm
SCALE 1:5

F:GEOT043/1