COPYRIGHT NOTICE

This geotechnical log and its associated data (the Document) is licensed by the Queensland Department of Transport and Main Roads under the <u>Creative Commons Attribution 4.0 Licence</u> (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

PROJECT	Bruce Highway Upgrade (Cooroy to Curra) Section C								
	Embankment 10 COORDINATES 471149.5 E; 7095635.9 N								
		FG5799 SURFACE R.L. 60.00m PLUNGE DATE STARTED 04/08/11 GRID DATUM MGA94							
JOB No	B NO232/10A/2 HEIGHT DATUMAHD BEARING DATE COMPLETED _04/08/11 DRILLERDrillsure_Pty_Ltd								<u>.td</u>
O 60.00	CASIGNA WASH BORING WASH BORING WASH BORING CORE DRILLING SAMPLE	MATERIAL DESCRIPTION	ттногосу.	USC	INTACT STRENGTH ボジェヌンジゼ	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
- 59.90, - 59.15		TOPSOIL Clayey SILT (Alluvium?): Grey, dry.	-1111	(ML)	-		-	- Based on driller's logs only	
-1 -1 	A	Silty CLAY (Alluvium?) Dark brown, moist, firm, high plasticity. Trace sand. Trace gravel up to 20mm. Trace organics.		(CH)	-	-		2,2,3 — Water Table (4/8/11) N=5	SPT
57.90 - - -	В	Gravelly CLAY (Residual): Brown/grey, moist, very stiff, high plasticity. Quartz gravel up to 35mm. Becoming sandy in parts.				- - - - - - - -		- — — — — — — — РР _{ви} =232kРа	U50 -
-3				(CH)		-		7,11,18 N=29	SPT
56.10		Brown/grey, fine grained, rock fabric visible throughout.	× × × × × × × × × × × × × × × × × × ×	нw	-	-		30,10/0 N>50 30/80 N>50	SPT
54.50	(37)	SILTSTONE (MW): Brown/grey, fine grained, subtly foliated, mainly medium to high strength, indurated and/or slighlty metamorphosed. Defects:	× × × × × × × × × ×					—————————————————————————————————————	x -
-7	100 (0) 100 (0) 100	-HW clayey broken zones sizing up to 350mmFoliation parting at 30° (~4-5/m) -Joint at 10°-20° (1-2/m) -Joint at 60° (1-2/m) Defects spacing is close to medium. Defect surfaces are planar, tight, smooth,	× × × × × × × ×	MW				— FP, 30°, PI, O, Cinf Is(50) = 0.24MPa Is(50) = 1.28MPa — J, 40°, I, O, Cinf, FeSt — CLy BZ	X 1
51.67	(0) 78 (18)	clay infilled, iron stained. SILTSTONE (SW):						CLy BZ Is(50) = 0.51MPa	0
-9 9	(43)	Grey, fine grained, subtly foliated, high strength, indurated and/or slightly metamorphosed. Defects: -Foliation parting at 30°-50° (4-5/m) -Joint at 30° (1-2/m) -Joint at 70° (1/m)	××××××××××××××××××××××××××××××××××××××	sw					x -
REMARKS	3	(See over)	× × 					LOGGED BY JA/DC	



QLD_DMR_LIB_014.5LB L0g A_ENGINEERING BOREHOLE LOG W LITHOLOGY FG5799 - BRUCE HWY UPGRADE SECTION C.GPJ DWG46352.GDW Datgel CPT Tool glik Add-In 12/12/2011 16:30

ENGINEERING BOREHOLE LOG

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

BOREHOLE No __BH_C67__

SHEET __2_ of __2_

REFERENCE No __H11147__

PRO.	JECT				lpgrade (Cooroy to Curra) Section C			4		-			
	ATION									ES <u>471149.5 E; 7095635</u> .	9 N		
PROJECT No <u>FG5799</u> JOB No <u>232/10A/2</u> H					SURFACE R.L. <u>60.00m</u> PLUNGE HEIGHT DATUM <u>AHD</u> BEARING								- ##== td
J OB					HEIGHT DATOMAND BEARING					04/00	<u> </u>	DRILLER Dilisule Fly	<u> </u>
e	R.L. (m)	SNS SNS SNS SNS SNS SNS SNS SNS SNS SNS	RQD ()%					INTACT STRENGTH	DEFECT SPACING	ပ္ထ	A	DDITIONAL DATA	
БЕРТН (m)		BORI BORI		Щ	MATERIAL DESCRIPTION	LOGY	HERIN		(mm)) 		AND	ES
10	60.00	AUGER CASING WASH BORING CORE DRILLING	CORE REC %	SAMPLE	DESCRIPTION	LITHOLOGY	USC	STRENGTH	88888	GRAPHIC LOG		TEST RESULTS	SAMPLES
-	30.00	111	(26)		SILTSTONE (SW): Cont'd				1 1	Ť		Is(50) = 0.36MPa Is(50) = 0.48MPa	X -
					Defect spacing is medium. Defect surfaces are planar, tight or open, smooth, clay infilled.	X						13(30) - 0.40Mi a	
					smooth, day infilied.	×	sw				J, 70°, PI,	T, R, Cn	-
-11						XXX							-
	48.65				Described and detailed at the control of the contro	X					BZ, DI?	Is(50) = 0.57MPa	Х -
					Borehole terminated at 11.35m			-	+				-
- -12]	<u> </u>				
- "-									‡]
		ļ						-	‡				-
									‡				-
13				1				-	<u>+</u>				-
									<u> </u>				-
									‡				-
14								-	‡				
									‡				
-								-	+				-
- - - 15]	<u> </u>				-
- "]	‡]
-								-	+				-
									‡				
- 16 -								-	+				
-								<u> </u>	‡				<u> </u>
]	‡				-
- -17								_	+				-
:	ļ								<u> </u>				
-								-	+				-
- - -18									_]
]	ŧ				
-			İ					-	-				- 1
:									‡				
- 19 -								-	‡				
-									_]
								-	‡			I	
20						<u> </u>	<u></u>		<u>†</u>			LOGGED SY	<u> </u>
REMARKS							LOGGED BY JA/DC						



CORE PHOTO LOG - BH C67

Project Name:	BRUCE HIGHWAY UPGRADE - SECTION C							
Project No.:	FG5799	Date:	08/09/2011					
Details:	Embankment 10	Start Depth (m):	5.00					
Reference No.:	H11147	Finish Depth (m):	11.35					

