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ENGINEERING BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEO1 017/6-2010

BOREHOLE No BH11

SHEET 2 of 3

REFERENCE No H11021

PROJECT Moreton Bay Rail Link -----

LOCATION Bridge 7, Ch. 5150 ----- COORDINATES 502211.1 E; 6985969.9 N -----

PROJECT No FG5921 SURFACE R.L. 6.50m PLUNGE _____ DATE STARTED 8/6/11 GRID DATUM MGA94 Zone 56

JOB No 250/120/3 HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 9/6/11 DRILLER R&D Drilling Pty Ltd

DEPTH (m)	R.L. (m)	AUGER 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
										EH	VH	TM	JL	VL	EL					
10	-3.50					SANDSTONE MW: (Cont'd) Becoming red with thin laminations. Medium strength. Grain size grading into fine grained. Becoming grey, massive, high strength.											Is(50) = 0.10MPa Is(50) = 0.09MPa	x o		
12	-5.50		100 (71)														Is(50) = 0.99MPa Is(50) = 1.38MPa	x o		
13			100			SW: Grey, fine to coarse grained, massive, high strength. Defects: Generally rare. - Drilling-induced fracture @ 5° (1-2/m)		MW									Is(50) = 1.49MPa Is(50) = 0.98MPa	x o	UCS	
15			100														Is(50) = 1.68MPa Is(50) = 1.48MPa	x o		
16			100			Conglomerate sandstone band below 15.3m, approx. 250mm thick.										Conglomerate Sandstone	Is(50) = 1.73MPa Is(50) = 1.89MPa	x o		
17			100													Conglomerate Sandstone	Is(50) = 1.45MPa Is(50) = 1.46MPa	x o		
18			100														Is(50) = 3.48MPa Is(50) = 3.11MPa	x o		
19			100					SW									Is(50) = 3.70MPa Is(50) = 2.62MPa	x o	UCS	
20			100														DD = 2.47t/m ³ ; MC = 1.8%; UCS=32.2MPa	x o		
			100			Becoming fine grained below 17m.											Is(50) = 0.62MPa Is(50) = 0.08MPa	x o		
			100														Is(50) = 1.19MPa Is(50) = 1.21MPa	x o		
			100														Is(50) = 1.17MPa Is(50) = 1.35MPa	x o	UCS	
			100														DD = 2.43t/m ³ ; MC = 1.9%; UCS=24.7MPa	x o	UCS	

REMARKS -----

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ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH11
SHEET 3 of 3
REFERENCE No H11021

PROJECT Moreton Bay Rail Link
LOCATION Bridge 7, Ch.5150 COORDINATES 502211.1 E; 6985969.9 N
PROJECT No FG5921 SURFACE R.L. 6.50m PLUNGE DATE STARTED 8/6/11 GRID DATUM MGA94 Zone 56
JOB No 250/120/3 HEIGHT DATUM AHD BEARING DATE COMPLETED 9/6/11 DRILLER R&D Drilling Pty Ltd

DEPTH (m)	R.L. (m)	AUGER 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
20	-13.50					SANDSTONE SW: (Cont'd)		SW					Is(50) = 1.03MPa Is(50) = 1.72MPa	X O
	-14.00		100			Borehole terminated at 20.5m								
21														
22														
23														
24														
25														
26														
27														
28														
29														
30														

REMARKS _____

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Project Name	Moreton Bay Rail Link (MBRL)		
Project No	FG5921	Date	08/06/11
Borehole No	BH 11	TMR H No	11021
Location	Fresh Water Creek Rail Bridge	Start Depth (m)	5.50
Detail	Structure	Finish Depth (m)	20.50
Chainage	5158	Submitted By	BW
Remarks			



Project Name	Moreton Bay Rail Link (MBRL)		
Project No	FG5921	Date	08/06/11
Borehole No	BH 11	TMR H No	11021
Location	Fresh Water Creek Rail Bridge	Start Depth (m)	5.50
Detail	Structure	Finish Depth (m)	20.50
Chainage	5158	Submitted By	BW
Remarks			



SCALE 1:5