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**Queensland
Government**

Department of
Main Roads

ENGINEERING BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND
SYMBOLS REFER FORM F:GEOT 017/5-2009

BOREHOLE No BH056

SHEET 1 of 1

REFERENCE No H10615

PROJECT BRUCE HIGHWAY (COOROY - CURRA) SECTION A GEOTECHNICAL INVESTIGATION

LOCATION Embankment 18 COORDINATES 482428.0 E; 7080704.4 N

PROJECT No FG5825 SURFACE R.L. 101.38m PLUNGE DATE STARTED 19/8/09 GRID DATUM MGA94

JOB No 128/10A/901 HEIGHT DATUM AHD BEARING DATE COMPLETED 19/8/09 DRILLER Geo Drill

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
									ET	VT	MT	200	200	600			
0	101.38					Gravelly SILT (Colluvium) Brown with red mottling, fine gravel. Moist, stiff to very stiff, low to intermediate plasticity.											
1					A											4,6,7 N=13	SPT
2					B											2,8,8 N=16	SPT
3	98.88				C	Silty CLAY (Residual) Pale grey, moist, stiff, high plasticity, traces of plant material.										2,5,7 N=12	SPT
4	97.88				D	PHYLLITE (XW/HW) Generally exhibits the engineering properties of brown, moist, hard, clayey SILT of intermediate plasticity. Occasional clay seams.										11,18,26 N=44	SPT
5					E											17,30/125 N>50	SPT
6					F											4,30/90 N>50	SPT
7	94.88				G	PHYLLITE (MW) Pale brown to grey, fine grained, weakly foliated. Foliations generally dipping at 75-80°. Defects generally close to medium spacing. Defects typically dipping along foliation. Defects predominantly iron stained.										30/50 N>50 Is(50) = 1.01MPa	SPT x
8	93.28					PHYLLITE (MW/SW) Pale grey, fine grained. Foliations generally dipping at 20°. Defects generally medium spacing. Defects typically dip along foliation and surfaces iron stained.										MC = 2%; UCS=5.70MPa Is(50) = 2.50MPa	UCS x
9																Is(50) = 2.08MPa Is(50) = 1.19MPa	x x
10	91.38					Detailed defect descriptions are shown on Form GEOT 533/8 attached.										Is(50) = 0.51MPa Is(50) = 1.38MPa Is(50) = 0.63MPa Is(50) = 0.93MPa	x x x x

REMARKS Borehole terminated at 10m. Detailed defect descriptions are shown on Form GEOT 533/8 attached.

LOGGED BY
AN

Project: **Bruce Highway Upgrade (Cooroy – Curra) Section A**

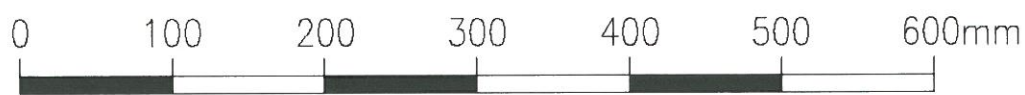
Borehole No: **BH 56**

Start Depth: 6.50m

Finish Depth: 10.00m

Project No: FG5825

H No: 10615



SCALE 1:5

F:GEOT043/1