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ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH108

SHEET 1 of 2

REFERENCE No H10682

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

LOCATION Cut 18 COORDINATES 483078.1 E; 7080955.5 N

PROJECT No FG5825 SURFACE R.L. 124.40m PLUNGE _____ DATE STARTED 16/2/10 GRID DATUM MGA94

JOB No 128/10A/901 HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 16/2/10 DRILLER Drillsure

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	124.40				Clayey SILT (Residual) Brown to mottled red, moist, firm.							
1				A	Low to intermediate plasticity; rock fabric visible in parts.	(CL-CI)					3,3,4 N=7	SPT
2	122.40			B	PHYLLITE (XW) Generally exhibits the engineering properties of grey to brown, moist, very stiff to hard, gravelly Silt of low plasticity. Rock fabric visible throughout.	XW					9,10,12 N=22	SPT
3					PHYLLITE (MW): Brown, fine grained, foliated. Foliation is indistinct and dips at ~30°.							
4					Defect spacing is typically close to medium. Prominent defect set parallel to foliation with another set at ~45°. Defect surfaces are typically clay infilled or iron stained. 3.5-3.82m: Clayey broken zone						Is(50) = 0.23MPa Is(50) = 0.23MPa	x o
5											UCS= 1.9 MPa	UCS
6												
7											Is(50) = 0.10MPa Is(50) = 0.18MPa	o x
8											Is(50) = 0.23MPa Is(50) = 0.15MPa	o x
9					9.0-10.1m: Clayey broken zone							
10												

REMARKS Standpipe piezometer installed at base of hole.

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BOREHOLE No BH108

SHEET 2 of 2

REFERENCE No H10682

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

LOCATION Cut 18 COORDINATES 483078.1 E; 7080955.5 N

PROJECT No FG5825 SURFACE R.L. 124.40m PLUNGE DATE STARTED 16/2/10 GRID DATUM MGA94

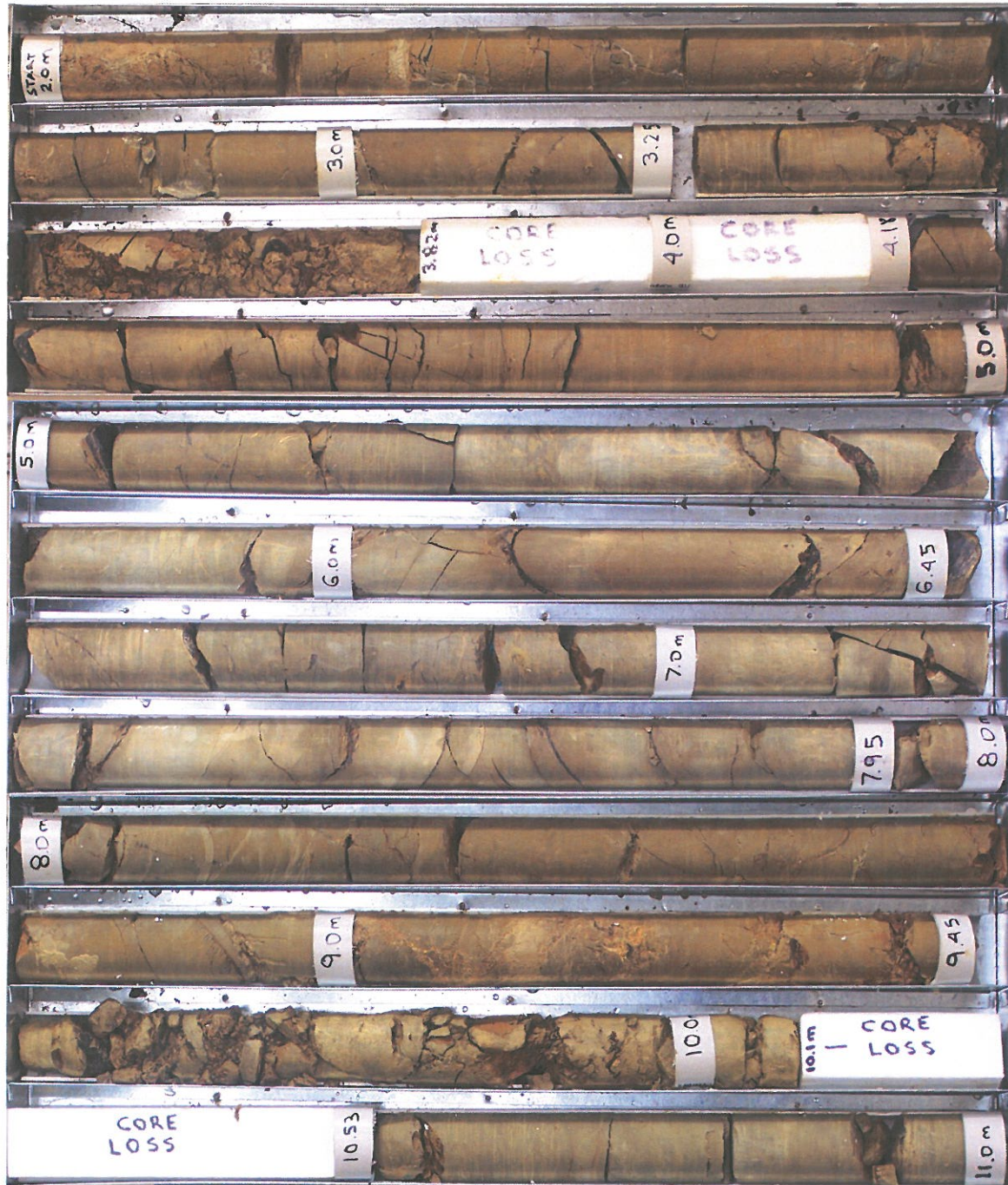
JOB No 128/10A/901 HEIGHT DATUM AHD BEARING DATE COMPLETED 16/2/10 DRILLER Drillsure

DEPTH (m)	R.L. (m)	ALUGER 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
10	114.40											
					PHYLLITE (MW) (Cont'd)							
			60 (50)								Cly BZ	
11											Is(50) = 1.22MPa Is(50) = 0.73MPa	x o
			100 (17)									
12											UCS= 1.5 MPa	UCS
											Is(50) = 1.15MPa Is(50) = 0.76MPa	o x
13			100 (47)									
14			100 (9)									
15			100 (10)								Cly zone	
											Is(50) = 0.47MPa	x
16											Is(50) = 0.44MPa	o
											Clay seam	
17			92 (0)								CLy BZ	
											Is(50) = 0.50MPa	x
18	106.40		87		17.63-18.0m: Clayey weathered zone							
					Borehole terminated at 18m							
19												
20												

REMARKS Standpipe piezometer installed at base of hole.

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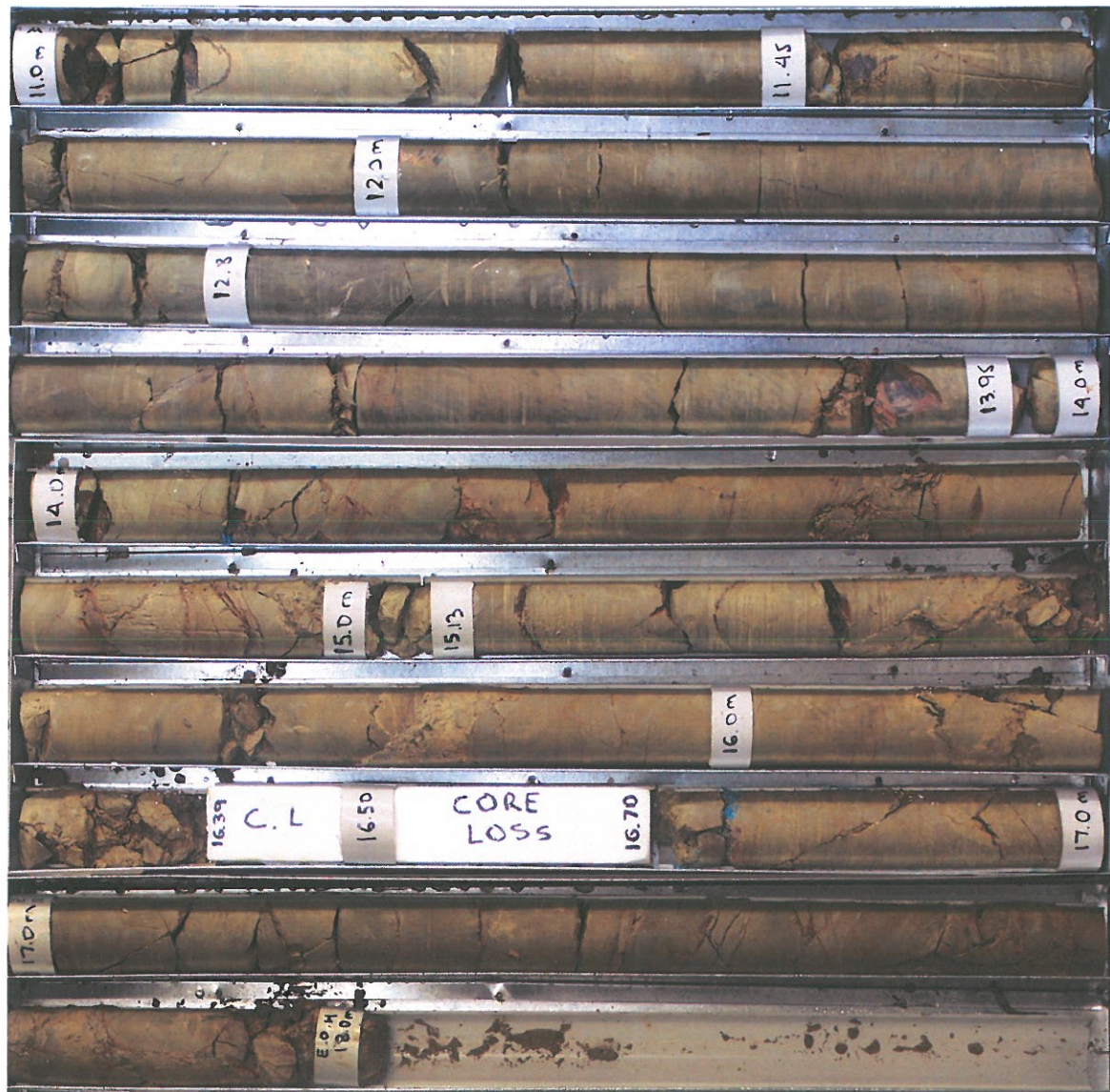
Project: **Bruce Highway Upgrade (Cooroy – Curra) Section A**
Borehole No: **BH108**
Start Depth: 2.0m
Finish Depth: 18.0m
Project No: FG5825
H No: 10682



SCALE 1:5

F:GEOT043/1

Project: **Bruce Highway Upgrade (Cooroy – Curra) Section A**
Borehole No: **BH108**
Start Depth: 2.0m
Finish Depth: 18.0m
Project No: FG5825
H No: 10682



SCALE 1:5

F:GEOT043/1