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ENGINEERING BOREHOLE LOG

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

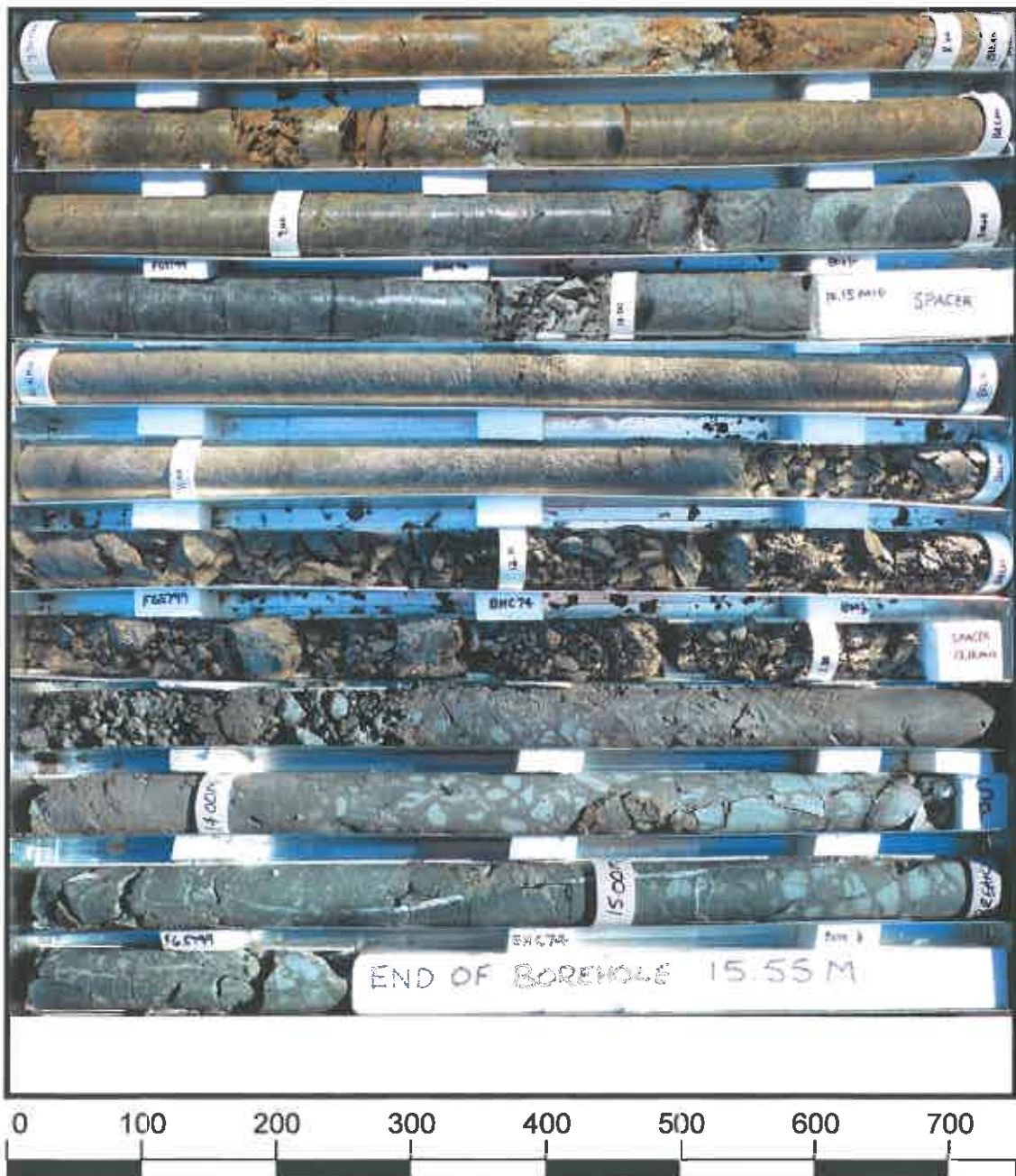
BOREHOLE No BH C74
SHEET 1 of 2
REFERENCE No H11149

PROJECT Bruce Highway Upgrade (Cooroy to Curra) Section C
LOCATION Embankment 8/Potential Access Overpass Abut B COORDINATES 472042.3 E; 7093855.1 N
PROJECT No FG5799 SURFACE R.L. 69.40m PLUNGE -90° DATE STARTED 31/8/11 GRID DATUM MGA84
JOB No 232/10A/2 HEIGHT DATUM AHD BEARING DATE COMPLETED 1/9/11 DRILLER Drillsure Pty Ltd

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD (%)	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	USC WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
0	69.40											
	69.20					TOPSOIL						
						Silty CLAY (Alluvium): Brown, moist, firm to stiff, high plasticity.	(CH)					
1	68.40				A	Gravelly Silty CLAY (Alluvium): Brown/grey, moist, very stiff, low plasticity.	(CL)				7,9,9 N=18	SPT
2												
	66.90				B	Sandy Silty CLAY (Alluvium): Brown/grey, moist, firm to stiff, intermediate to high plasticity.					3,5,4 N=9	SPT
3												
4					C		(CI-CH)				3,4,4 N=8	SPT
5												
	63.90				D	Gravelly Sandy CLAY (Alluvium?): Brown/grey, moist, very stiff, intermediate plasticity. Gravel portion is angular sizing up to 25mm.	(CI)				4,6,13 N=19	SPT
6												
7	62.40				E	SILTSTONE (SHEAR ZONE) (HW): Grey, fine grained, subtly foliated, extremely to very low strength.					28,5/6 N>50	SPT
		(0)				Defects: -Foliation partings throughout at 20°. -Clayey and sheared throughout. -Joint at 30° (1-2/m) -Joint at 60°-70° (1-2/m)	HW			MW zone CLy BZ J, 30°, T, SR, Cln Broken CLy QZ band BZ CLy BZ Zone with prominent clay seams	Is(50) = 1.00MPa Is(50) = 0.17MPa	x o
8		(0)										
		(0)										
		(0)										
9						Defect spacing is mainly extremely close to very close. Defect surfaces are planar, tight or closed, smooth, clay infilled.						
10												

CORE PHOTO LOG - BH C74

Project Name:	BRUCE HIGHWAY UPGRADE - SECTION C		
Project No.:	FG5799	Date:	08/09/2011
Details:	Structure	Start Depth (m):	7.30
Reference No.:	H11149	Finish Depth (m):	15.55



SCALE 1:5