Queensland Government
Department of Main Roads

# ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH113
SHEET 1 of 1
REFERENCE No H10690

PROJECT BRUCE HIGHWAY (COOROY - CURRA) SECTION A GEOTECHNICAL INVESTIGATION
LOCATION Embankment 14 - Skyring Creek Approaches COORDINATES 483686.8 E; 7081307.8 N
PROJECT No FG5825 SURFACE R.L. 103.48m PLUNGE DATE STARTED 3/2/10 GRID DATUM MGA94
JOB No 128/10A/901 HEIGHT DATUM AHD BEARING DATE COMPLETED 3/2/10 DRILLER R & D Drilling

| DEPTH (m) | R.L. (m) | AUGER / WASH BORING | RQD ( )% CORE REC % | SAMPLE | MATERIAL DESCRIPTION | LITHOLOGY | USC | WEATHERING | INTACT STRENGTH (EH VH H M L VL EL) | DEFECT SPACING (mm) (20 60 200 600 2000) | GRAPHIC LOG | ADDITIONAL DATA AND TEST RESULTS | SAMPLES / TESTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 103.48 | | | | **Gravelly Silty CLAY (Alluvial)**<br>Brown, moist, very stiff.<br>Fine to coarse grained gravel. | | (CI) | | | | | | |
| 1 | 102.48 | | | A | **Silty CLAY (Alluvial)**<br>Dark brown with mottled orange iron staining, moist, very stiff to hard.<br>Intermediate to high plasticity. | | | | | | | 5,8,11<br>N=19 | SPT |
| 2 | | | | B | | | | | | | | 7,10,15<br>N=25 | SPT |
| 3 | | | | C | | | (CI-CH) | | | | | 7,12,15<br>N=27 | SPT |
| 4 | | | | D | | | | | | | | 8,12,19<br>N=31 | SPT |
| 5 | | | | E | | | | | | | | 8,14,18<br>N=32 | SPT |
| | 97.88 | | | | **Gravelly Silty CLAY (Alluvial)**<br>Brown, moist, hard. | | | | | | | | |
| 6 | | | | F | Angular quartz gravels up to 3cm. | | | | | | | 7,11,20<br>N=31 | SPT |
| 7 | | | | G | | | (CI) | | | | | 20,18,21<br>N=39 | SPT |
| | 95.78 | | | | **PHYLLITE (HW):**<br>Generally exhibits the engineering properties of grey to brown, moist, hard, clayey Silt of low plasticity, | | | | | | | | |
| 8 | | | | H | | | | | | | | 19,30/65mm<br>N>50 | SPT |
| 9 | | | | J | | | HW | | | | | 30/70mm<br>N>50 | SPT |
| | | | | | | | | | | | | Borehole terminated at 10.23m. | |
| 10 | 93.48 | | | K | | | | | | | | 24,30/80mm<br>N>50 | SPT |

REMARKS Borehole terminated at 10m

LOGGED BY ME/JA

QLD_DMR_LIB_01.GLB Log A_ENGINEERING BOREHOLE LOG W LITHOLOGY FG5825 BRUCE HWY COOROY-CURRA SECTION A BHS.GPJ DWG71494.GDW Datgel CPT Tool gINt Add-In 20/05/2010 14:21