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**Queensland  
Government**

Department of  
Main Roads

# GEOTECHNICAL LOG

FOR GEOTECHNICAL TERMS AND  
SYMBOLS REFER FORM F:GEOT 017/2-2004

HOLE No BH5

SHEET 1 of 1

REFERENCE No H9524

PROJECT Apple Tree Creek Embankment Materials Investigation COORDINATES 422809.0 E; 7211413.0 N  
LOCATION Proposed borrow area at Campbell's Property DATUM GDA94 MGA Zone 56  
PROJECT No FG5334 SURFACE R.L. 78.00 DATE STARTED 14/10/04 EXCAVATION TYPE Rotary Air Boring  
JOB No 64/10C/35.1 DATUM AHD DATE COMPLETED 14/10/04 MACHINE TYPE Jackro500 Top Drive

DEPTH (m)	R.L. (m)	USC	WEATHERING	LITHOLOGY	SOIL DESCRIPTION: Plasticity or particle characteristics, colour, secondary components, moisture, consistency/density, structure, origin. ROCK DESCRIPTION: Lithology, colour, structure, weathering, strength, defects.	ADDITIONAL DATA TEST RESULTS PENETRATION RATE (min:sec / m)	SAMPLES TESTS
0	78.00						
0.7765		CI			<b>Sandy CLAY (Topsoil/Residual Soil):</b> Pale orange brown, moist, very stiff, medium plasticity, fine to medium grained sand.		
1					<b>Clayey SAND (XW Granite):</b> Pale orange brown, moist, very dense, medium plasticity, fine to coarse grained sand, some fine gravel present above 2m, 5mm maximum particle size, ~20% fines.		
2							
3		SC			No fine gravel and ~30-40% fines between 2-5m.		
4							
5	73.00				<b>Clayey SAND with some gravel (HW Granite):</b> Pale orange brown, moist, very dense, low to medium plasticity, fine to coarse grained sand, lots of fine gravel, 5mm maximum particle size, ~15-20% fines.	4-5m: Penetration Rate = 0min:23sec	500g JAR
6						5-6m: Penetration Rate = 0min:37sec	500g JAR
7		SC				6-7m: Penetration Rate = 0min:37sec	500g JAR
8					Groundwater ingress below ~8m.	7-8.5m: Penetration Rate = 1min:02sec ▽ 14/10/04	500g JAR
8.6950					Hole ended at 8.5m		
9							
10							

REMARKS % fines = % material passing the 0.075mm sieve

LOGGED BY  
A. O'Rourke

Project : FG5334 - Apple Tree Creek Materials Investigation

Borehole No : 5

