ENGINEERING BOREHOLE LOG

Queensland Government

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

BOREHOLE No **BH4**
SHEET 1 of 2
REFERENCE No **H11068**

PROJECT Travel Time Signage
LOCATION Pine River — COORDINATES 501837.4 E; 6981160.7 N
PROJECT No FG5798 — SURFACE R.L. 5.33m — PLUNGE — DATE STARTED 27/6/11 — GRID DATUM MGA94 Zone 56
JOB No — HEIGHT DATUM AHD — BEARING — DATE COMPLETED 27/6/11 — DRILLER Terratest

DEPTH (m)	R.L. (m)	AUGER / CASING / OTHER / 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	5.33				**ASPHALT**							Based on Driller's logs only Asphalt coring		
	5.03				**Gravelly Silty SAND (Possible ENGINEERED FILL ?)** Grey-brown, slightly moist, medium dense. Gravel fraction is coarse, fragments of mainly metamorphic rock and quartzite, high strength.									
1				A								4,7,6 N=13		SPT
2	2.83			B	**Possible DRAINAGE LAYER ?** Brown and green, medium dense, clayey sandy gravel. Sand fraction is coarse grained. Gravel fraction is fine to medium sized, comprising very high strength greenstone, quartzite and other metamorphic rock.							6,8,6 N=14		SPT
3														
4				C								13,24,13 N=37		SPT
	0.83			D	**Clayey Gravelly SAND (ALLUVIAL ?)** Brown, moist to very wet, firm, coarse, becoming medium dense with depth. Minor fragments of greenstone, jasper and chert present.		(SP)					4,3,3 N=6		SPT
5				E								12,15,13 N=28		SPT
6	-0.62				**Silty SAND (ESTUARINE)** Dark grey to black, wet, medium dense, becoming very loose with depth.									
				F	High organic content. Sand fraction is fine to medium grained, becoming very fine with depth; silt content increasing with depth; contains decomposed shell fragments.							1,3,10 N=13		SPT
7				G	Becoming loose at 7.5m.							3,1,4 N=5		SPT
8							(SM)							
9				H	Becoming very loose at 9.0m.							HW,HW,HW N<1		SPT
10														

REMARKS

LOGGED BY
LVD

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10	-4.67				**Silty SAND (ESTUARINE)** (Cont'd)									
				J			(SM)					HW,HW,HW N<1		SPT
	-5.62				Borehole terminated at 10.95m									
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														

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REMARKS

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