

Project: Port Latta Waste Depot - Cell 5 Client: Circular Head Council Driller: Des Frazer Northings: 5475920.7mN Logged: ARE
 Location: Port Latta Start - Finish Date: 03/11/08 - 03/11/08 Rig: Explorer 50 Eastings: 362718.8mE Checked: GMc
 Job No: VT30318 Bore dia: 150mm Surface Conditions: Clay RL: 37.9 Oriented: -90

LABORATORY DATA						FIELD DATA			SOIL DESCRIPTION		SOIL CONDITION		COMMENTS
dry density (t/m ³)	moisture content (%)	liquid limit (%)	plasticity index (%)	percent fines (%)	design / test data	field & other tests	sample type field tests	ground water depth (m)	graphic log	soil type, unified classification, colour, structure, particle characteristics, minor components	consistency/density	moisture condition	drilling method, well construction, water and additional observations
1.53	28.7			81.2						FILL wood fibre, clay (CH), mottled light red and orange		M	Hollow stem auger (0 to 14.5m) Run 1 (0 to 1.5m)
										CORELOSS (0.3 - 1.5m)			
						3/3/4 N=7				CLAY (CH) mottled orange, light grey, with medium gravel, angular, quartz	F	M	SPT 1 (1.5 - 1.95m)
						Sup=200				Silty CLAY (ML) mottled orange, light grey, trace of fine to coarse sand and fine to medium gravel	F	M	U63 push tube sample (2 to 2.3m) Run 2 (2.3 to 3.0m)
						Sup=240				Silty CLAY (ML) mottled light grey, orange	St	D	SPT 2 (3.0 to 3.45m) Run 3 (3.45 to 4.0m)
						5/5/11 N=16							
						Sup=110							U63 push tube sample (4 to 4.4m)
						Sup=300							Run 4 (4.4 to 4.5m) SPT 3 (4.5 to 4.95m)
						4/6/9 N=15							

LABORATORY DATA	FIELD DATA ABBREVIATIONS	FIELD DATA SYMBOLS	DENSITY (N-value)	CONSISTENCY (Su)
UQN Unconfined Comp. (Natural)	Suv = Uncorrected vane shear (kPa)	⊗ = Shear vane test	VL (very loose) 0 - 4	VS (very soft) < 12 kPa
UQC Unconfined Comp. (Compacted)	Sup = Pocket penetrometer (kPa)	⊥ = Pocket Penetrometer test	L (loose) 4 - 10	S (soft) 12 - 25
TQN Uncons. Undrained Triax. (Natural)	N = SPT blows per 300mm	▽ = Standard Penetration Test (SPT top = start of N blowcount)	MD (medium dense) 10 - 30	F (firm) 25 - 50
TQC Uncons. Undrained Triax. (Compacted)	FPM = Field permeability	▼ = SPT Spoon Sample (Pushed)	D (dense) 30 - 50	St (stiff) 50 - 100
TRX Consolidated Undrained Triaxial with pwp measurement		■ = Undisturbed Tube Sample	VD (very dense) 50 - 100	VSt (very stiff) 100 - 200
PSA Particle Size Analysis		● = Disturbed Sample	CO (compact) >50/150mm	H (hard) > 200 kPa
CS 1D oedometer Test		□ = Bulk Sample		
LPM Laboratory Permeability				
	GROUNDWATER SYMBOLS		MOISTURE CONDITION	
	▽ = Water level (static)		D = Dry M = Moist W = Wet	
	▽ = Water level (during drilling)			
	↔ = Outflow / Inflow			

SKM 001 SOIL PORT_LATTA_13_03_08.GPJ SKM_001_2008 05 07_DS.GDT 13/3/09

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dry density (t/m ³)	moisture content (%)	liquid limit (%)	plasticity index (%)	percent fines (%)	design / test data	field & other tests	sample type	field tests	ground water depth (m)	graphic log	soil type, unified classification, colour, structure, particle characteristics, minor components	consistency/ density	moisture condition	drilling method, well construction, water and additional observations
1.58	26.2			96.1		Sup=100					Silty CLAY (ML) mottled light grey, orange (continued)	VSt	D	Run 5 (drill out SPT 3, 4.95 to 5.5m)
						Sup=280					Silty CLAY (ML) mottled dark grey, black	H		U63 push tube sample (5.5 to 5.95m)
						6/14/21 N=35			6		SILTSTONE (XW) dark grey, bedding visible	EL	D	SPT 4 (6.0 to 6.45m)
						Sup=>300								U63 push tube sample (6.5 to 6.6m) Run 6 (drill out SPT 4, 6.6 to 7.0m)
									7					Run 7 (7.0 to 7.75m)
1.63	25					Sup=150					Silty CLAY (ML) mottled dark and light grey, orange	F	M	
											SILT (ML) dark grey, pale brown	VL	M	U63 push tube sample (7.75 to 8.0m)
									8		Silty CLAY (ML) mottled light grey, black (XW SILTSTONE)	VSt	D	Run 8 (8.0 to 8.5m) Class 18 (50mm)
														SPT 5 (8.5 to 8.95m)
						10/13/17 N=30			9		Silty CLAY (ML) dark grey, <1% iron staining, <1% white nodules (XW SILTSTONE)	VSt	M	Run 9 (8.95 to 9.25m)
						Sup=160								Run 10 (9.25 to 10.0m)
									10					

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						Sup=90				Silty CLAY (ML) dark grey, <1% iron staining, <1% white nodules (XW SILTSTONE) (continued)			Run 11 (10.0 to 10.75m)
								11					Run 12 (10.75 to 11.5m)
						Sup=150				SILTSTONE (XW) light grey (Silty CLAY)	EL	M	Run 13 (11.5 to 12.25m)
								12					Run 14 (12.25 to 13.0m)
						Sup=120							SWL 0915hrs 04/11/08
								13					Run 15 (13.0 to 13.75m)
						Sup=180							Run 16 (13.75 to 14.5m)
						Sup=100							
								14					
								15		Hole terminated at 14.5 due to lack of rods. Groundwater not encountered during drilling on 03/11/08. Bore made water overnight after drilling rose to 12.6m.			

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