

Table 6: Summary of soil parameters from consolidometer tests on undisturbed and remoulded samples

Position	Depth	Material	Profiled consistency ^a	Dry density	e ₀	S _r	C _c	P _c	OCR	m _v ^c	C _v ^b	E ^d	Collapse Potential
	[m]			[kg/m ³]		[%]		[kPa]		x10 ⁻⁴ [m ² /kN]	[m ² /hour]	[MPa]	[%]
PB 1	4.00	residual Dwyka tillite	stiff	1,608	0.753	81.0	0.177	320	4.2	0.76	0.404	13	
PB 1	1.00 - 5.00	residual Dwyka tillite	remoulded	1,886	0.501	63.3	0.051	60	n/a	1.20	0.070	8	
PB 3	1.50 - 4.90	residual Rayton shale	remoulded	1,787	0.484	79.0	0.116	315	n/a	0.14	0.381	74	
PB 4	1.25 - 4.50	residual Dwyka tillite	remoulded	1,891	0.456	59.1	0.078	290	n/a	0.48	1.367	21	
PB 5	4.20	residual siltstone	stiff	1,874	0.462	80.6	0.058	100	1.1	0.76	-	13	
PB 7	1.50 - 4.10	residual Dwyka shale	remoulded	1,814	0.542	69.9	0.122	150	n/a	1.23	0.202	8	
PB 14	4.10	residual Dwyka tillite	stiff	1,838	0.492	80.7	0.170	390	4.8	1.28	0.121	8	
PB 15	1.80 - 4.80	residual Dwyka dropstone shale	stiff - very stiff	1,783	0.523	80.2	0.178	290	14.5	0.07	0.782	150	
BP 18	4.20	residual diabase	firm to stiff	1,395	1.144	92.6	0.550	380	4.9	0.86	1.373	12	
PB 18	0.00 - 5.00	residual diabase	remoulded	1,596	0.803	74.7	0.267	290	n/a	0.61	0.044	16	
PB 20	1.00	hillwash	stiff	1,354	0.957	42.6	nt	nt	nt	nt	nt	n/a	8.46
PB 20	0.50 - 1.30	hillwash	remoulded	1,713	0.662	80.7	0.248	105	n/a	2.29	0.010	4	
PB 20	1.80	residual diabase	dense	1,594	0.788	35.0	0.184	220	7.1	1.04	-	10	
PB 23	1.40 - 4.30	residual tillite	remoulded	1,858	0.533	69.9	0.153	275	n/a	0.65	0.062	15	
PB 30	1.10	residual diabase	firm	1,328	0.996	52.8	nt	nt	nt	nt	nt	n/a	8.87
bh 41	3.19 - 3.48	residual diabase	probably firm	1,170	1.372	96.4	0.461	190	3.2	2.59	-	4	
bh 43	6.37 - 6.65	residual Dwyka tillite	probably very stiff	1,836	0.454	50.9	0.042	130	1.0	0.48	-	21	

Note: a - remoulded = 95% Modified AASHTO density; b - estimated from permeability tests; c - calculated over a stress range of 100kPa greater than the overburden pressure; d - estimated from m_v; nt - not tested; n/a - not applicable;