

APPENDIX
TABLES 1 TO 19

Table 1 – Bulk density data for Eppalock Catchment No. 1

Geomorphic situation	Soil horizon	Mean bulk density g/cc	Number of samples	Standard Deviation	Confidence level of mean at 95% level of significance +/-
Upper slope	A	1.52	1		
	A2	1.52	15	0.15	0.08
	B1	1.63	5	0.06	0.07
	B	1.59	42	0.08	0.02
	B/C	1.67	29	0.10	0.04
Intermediate slope	A	1.40	3	0.22	
	A2	1.62	2	0.06	
	B1	1.60	8	0.11	0.09
	B	1.55	62	0.07	0.02
	B/C	1.63	26	0.08	0.03
Lower slope	A	1.46	5	0.10	0.12
	A2	1.44	16	0.15	0.08
	B1	1.58	8	0.13	0.11
	B	1.55	76	0.08	0.02
	B/C	1.58	26	0.09	0.04
Valley floor	A	1.31	17	0.18	0.09
	A2	1.50	22	0.15	0.07
	B1	1.61	23	0.12	0.06
	B	1.65	76	0.13	0.03
	B/C	1.73	36	0.17	0.06

Table 2 – Total porosity data for Eppalock Catchment No. 1

Geomorphic situation	Soil horizon	Mean calculated total porosity % Vol	Number of samples	Standard Deviation	Confidence level of mean at 95% level of significance +/-
Upper slope	A	45.1	1		
	A2	45.4	15	5.6	3.1
	B1	41.2	5	2.3	2.9
	B	42.7	42	2.8	0.9
	B/C	39.4	29	3.6	1.3
Intermediate slope	A	49.6	3	7.9	
	A2	41.5	2	2.0	
	B1	42.1	8	4.0	3.4
	B	44.2	62	2.4	0.6
	B/C	41.4	26	2.0	1.2
Lower slope	A	47.3	7	3.7	3.4
	A2	48.1	16	5.3	2.8
	B1	43.0	8	4.6	3.8
	B	44.1	76	2.7	0.6
	B/C	42.9	26	3.4	1.4
Valley floor	A	52.7	17	6.3	3.3
	A2	46.0	22	5.5	2.4
	B1	41.8	23	4.4	1.9
	B	40.5	76	4.5	1.0
	B/C	37.6	36	6.0	2.0