Appendix 4 Erodibility (i) Texture, Organic matter (%) Free Fe_2O_3

Lab No.	Site	Filed	Texture		Organic matter (%)	Free iron oxide ($Fe_2O_{3)\%}$
			CSIRO	USDA		
0511	12B	LC	SICL	SICL	6.9	
0576	20A	(L)SICL	SIL	L	7.6	2.9
0577	20B	LMC	CL	CL	2.2	3.2
0578	$20B_2$	LC	CL/SCL	CL/SICL	4.3	3.0
0586	47B	(FS)LC	CL	CL	3.8	
0587	$50A_{12}$	FSCL	SICL	SICL	5.8	
0588	$50B_1$	LMC	SICL	SICL	3.8	
0590	$50B_3$	SIC	C	C	1.8	
0591	$52A_1$	CL	SIL/SICL	SIL/SICL	17.5	3.3
0592	$52A_3/B_1$	LC	SICL	SICL	6.0	3.4
0593	$52B_2$	MC	SICL	SICL	2.9	4.3
0594	54B	LMC	SIC	SIC	7.2	
0635	$55A_{12}$	L/CL	SICL	SICL	9.6	
0636	$55B_{21}$	LC/LMC	C	C	1.8	
0637	59B	SIC	C	SICL	6.3	
0704	$29A_{12}$	L(CL)	SICL	SICL	8.1	2.2
0705	$693B_1/A_3$		SICL	SICL	7.4	
0706	C_3A		SICL	SICL	5.2	
0707	C_3B		SICL/CL	CL	4.3	
0708	C_3A/B	CL	SICL	C/SIC	3.4	
0709	$30A_{11}$		C/SIC	C/SIC	3.1	2.6
0710	$57A_{11}$		SICL	SICL	8.1	
0711	$57A_{12}$		SIC	SIC	4.3	
0712	$57B_2$		SIC	SIC	2.9	4.2
0715	29A/B		SIC	SIC	3.4	
0716	$C_2/_3B/B_3$		C	C	2.5	4.7
0717	C_1(Toe)A		CL	CL	1.3	1.5
0718	C_1B		SICL	SICL	2.2	3.6
0779	$79A_{11}$		SIL	SIL	11.0	4.0
0780	$70A_{12}$		SICL	SICL	6.7	4.4
0781	$70B_1$		SICL	SICL	4.3	4.8
0797	$70B_2$		C	SIC	2.2	1.5
0804	$73A_1$		SILC/L	SIL	18.6	1.5
0805	$73A_3/B_2$		SIL	SIL/L	6.3	2.6
0806	$73B_2$		CL	SICL/CL	2.0	
0807	$74A_1$		SIL	SIL	15.2	
0808	$74B_2$		SIC	SIC/C	4.5	
0824	75B		SICL	SICL	4.3	
0849	77A		SIL	SIL	6.5	
0850	77B		C	C	2.1	
0851	77B		C	C	1.3	
0858	$78A/A_3$		SIL	SIL	4.0	
0859	78B		SICL	CL	1.4	
0866	82A		SICL	CL	10.5	
0867	82B		C/SIC	SIC	3.4	
0884	84A		CL	SICL		
0885	84B		C/CL	SICL		

Appendix 4 (ii) Electrical conductivity, Cation Exchange Capacity, Proportion of Hydrogen ions, Erodibility (K; USLE) and Emerson classes.

Lab No.	Site	Electrical Conductivity 25°C µs/cm	Cation Exchange Capacity	H+% of CEC	Erodibility (K; USLE)	Emerson Class
0511	12B	55	46.5	98	0.356	5A
0576	20A	84	35.9	88	0.421	5D
0577	20B	35	25.9	96	0.397	5B
0578	$30B_2$	43	30.9	96	0.328	5D
0586	47B	63	30.0	98	0.347	5D
0587	$50A_{12}$	72	3.3	97	0.390	5A
0588	$50B_1$	68	33.4	97	0.353	5A
0589	$50B_2$	68	22.7	96	0.314	5B
0590	$50B_3$	59	24.4	96	0.230	5A
0591	$52A_1$	136	45.5	88	0.458	5D
0592	$52A_3/B_1$	59	37.1	95	0.437	5C
0593	$52B_2$	37	35.3	98	0.374	5C
0594	54B	65	51.2	96	0.289	5C
0635	$55A_{12}$	46	57.1	98	0.401	5C
0636	$55B_{21}$	22	30.0	97	0.287	5C
0637	59B	57	37.6	98	0.348	5B
0704	$29A_{12}$	58	42.9	97	0.443	5A
0705	$693B_1/A_3$	59	34.0	96	0.416	5A
0706	C_3A	55	26.7	78	0.379	5B
0707	C_3B	35	24.2	78	0.369	5A
0708	C_3A/B	59	30.7	96	0.231	5A
0709	$30A_{11}$	29	23.7	96	0.324	5B
0710	$57A_{11}$	63	36.7	95	0.347	5B
0711	$57A_{12}$	43	31.9	97	0.321	5A
0712	$57B_2$	31	28.2	98	0.331	5A
0715	29A/B	25	27.3	96	0.32	5A
0716	$C_2/_3B/B_3$	32	22.0	97	0.266	5B
0717	C_1(Toe)A	21	16.5	96	0.418	5B
0718	C_1B	26	15.8	96	0.528	5C
0779	$79A_{11}$	54	52.4	97	0.494	5D
0780	$70A_{12}$	36	47.0	97	0.459	5D
0781	$70B_1$	22	37.6	98	0.401	5E
0797	$70B_2$	16	31.8	98	0.288	5C
0804	$73A_1$	88	77.1	98	0.412	5A
0805	$73A_3/B_2$	38	39.2	93	0.479	5B
0806	$73B_2$	23	21.8	98	0.398	5A
0807	$74A_1$	51	69.6	96	0.480	5E
0808	$74B_2$	23	38.0	96	0.300	5D
0824	75B	38	28.1	98	0.382	5A
0849	77A	43	31.6	94	0.66	5A
0850	77B	28	22.6	91	0.283	5A
0851	77B	17	18.6	97	0.229	5A
0858	$78A_1/A_3$	35	20.7	97	0.575	5A
0859	78B	20	18.0	95	0.404	5A
0866	82A	47	54.1	98	0.389	5A
0867	82B	30	29.7	97	0.311	5A
0884	84A	66	40.8	99		5A
0885	84B	33	24.5	98		5C