ATTACHMENTS A TO E

Map ID July '14	Field Site ID	Peabody ID	Easting (m) WGS84	Northing (m) WGS84	Australian Soil Classification	BSAL	Slope %	Aspect	Landscape Position	Landform Element	Depth to rock, cm	Depth to mottles, cm	Depth to lime, cm	TAW (0-100 cm)	Surface Rock, %	Surface Rock Diam.,	Water in Pit	Surface cover, %	Land Use	Other Comments
1	W30	1 - 2	767519	6422696	Brown Sodosol, AH, FO	No	5	N	midslope	convex	–	40	–	101	60	5	No	40	weedy pasture	A11 water repellant;B22 has vertical shrinkage crack 3mm wide
2	W29	1 - 4	767825	6422337	Yellow Sodosol, AG, FN	No	4	NE	midslope	convex	110	40	–	57	<1	100	No	60	pasture (recently planted)	
3	W28	1 - 5	768108	6421982	Yellow Kurosol, EO, AH	No	4	SE	midslope	convex	45	**	–	56	0	–	No	70	pasture (recently planted)	
4	W27	1 - 6	768433	6421549	Brown Sodosol, AH, FO	No	2	N	lower slope	concave	–	60	–	154	0	–	No	70	pasture (recently planted)	
5	W26	1 - 7	768736	6421323	Yellow Chromosol, AZ, AH	No	3	N	lower slope	convex	–	35	–	108	0	–	No	70	pasture (recently planted)	
6	W31	1 - 18	767393	6422311	Clastic Rudosol, AI, HI	No	4	N	upper slope	convex	–	–	–	12	70	3	No	40	poor native pasture near DSF	
7	W33	1 - 9	767739	6421836	Brown Dermosol, CD, AG	No	2	NE	lower midslope	convex	52	**	–	87	0	–	No	70	native grasses	
8	W32	1 - 19	767356	6421745	Red Chromosol, DQ, AG	No	5	NW	midslope	straight	80	55	–	38	10	2	No	40	poor native pasture	
9	W34	1 - 11	767483	6421442	Brown Dermosol, HB, AH	No	6	SE	upper midslope	straight	–	15	–	108	60%, 5%	5mm, 30mm	No	40	pasture (previouly cultivated)	shrinkage crack 15-105 cm 3mm wide
10	W35	1 - 20	767330	6421167	Brown Kurosol, HB, AH	No	4	NE	upper slope	convex	–	22	–	83	0	–	No	90	native pasture	coal fragment at 10-22 cm
11	W36	1 - 12	767144	6420688	Leptic Rudosol, AI, CZ	No	5	NE	upper slope	straight	35	–	–	46	5	40-80	No	90	native pasture	
12	W38	1 - 14	767464	6420376	Brown Sodosol, FO, AH	No	3	NW	midslope	straight	–	30	–	87	0	–	No	60	native pasture, scattered weeds	B2 aggregates have Mn coatings
13	W37	1 - 13	767032	6420177	Arenic Rudosol, AI	No	6	NE	upper slope	concave	75	–	–	32	15	20-90	No	50	native pasture, scattered weeds	A1 water repellant
14	W39	1 - 15	767395	6419955	Yellow Chromosol, AZ, AH	No	5	N	upper slope	straight	95	45	–	105	0	–	No	70	native pasture, scattered weeds	B2 has 5mm wide vertical shrinkage crack
15	W40	1 - 17	767582	6419612	Yellow Sodosol, AH, FO	No	3	NE	upper slope	convex	120	32	–	105	0	–	No	80	native pasture	
16	W41	1 - 16	767182	6419450	Stratic Rudosol, AI	No	5	NW	midslope	straight	–	–	–	139	0	–	No	30	poor native pasture near DSF	lichen on soil surface (scattered), 5mm thick surface crust
17	W42	2 - 1	766935	6418662	Stratic Rudosol, AR	No	7	SE	upper midslope	straight	–	–	–	146	0	–	No	80	native pasture	once was a Stratic Rudosol; now has some profile development
18	W43	2 - 2	766846	6418244	Stratic Rudosol, AI	No	4	NE	upper midslope	concave	90	–	–	71	0	–	No	80	native pasture	

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19	W46	2 - 4	767037	6418137	Stratic Rudosol, AI	No	2		midslope	slightly convex	–	–	–	145	0	–	No	100	dry native pasture	A1 water repellant
20	W45	2 - 5	766972	6417849	Clastic Rudosol, AR, HI	No	6	E	midslope	slightly concave	–	–	–	62	10	40-80	No	80	dry native pasture, scattered weeds, Kurrajong tree nearby	
21	W44	2 - 6	767076	6417516	Stratic Rudosol, AR	No	4	NW	midslope	convex	–	–	–	72	<1-10	40-80	No	80	grasses, saffron thistle	
22	W50	2 - 10	767167	6415438	Stratic Rudosol, AR	No	3		upper midslope	straight	–	–	–	186	0	–	No	90	heavily grazed native pasture in DSF; churned by wombats	50cm; 2cm thick stone band
23	W49	2 - 9	767394	6415606	Brown Kandosol, CD, AH	No	9	W	upper slope	straight	–	–	–	137	0	–	No	90	heavily grazed native pasture near DSF	
24	W48	2 - 8	767702	6416155	Stratic Rudosol, AR	No	4	NE	midslope	convex	–	–	–	107	5	20-80	No	100	dry native pasture, scattered weeds	
25	W47	2 - 7	767919	6416552	Stratic Rudosol, AR	No	2	NW	midslope	convex	–	–	–	126	1	70	No	100	dry native pasture	A1 water repellant
26	W51	3 - 1	769113	6416742	Grey Dermosol, CD, AH	Yes	4	E	upper midslope	convex	–	–	–	143	0	–	No	90	native pasture	
27	W52	3 - 2	770553	6416251	Brown Kandosol, CD, AH	No	12	W	upper midslope	concave	–	–	–	124	0	–	No	90	native pasture	coal fragments 50-70cm
28	W53	3 - 3	771816	6416789	Brown Dermosol, AZ, AH	No	6	E	upper slope	convex	80	32	–	89	0	–	No	100	native pasture	
29	W24	4 - 1	774205	6420123	Yellow Kurosol, CD, AH	No	5	N	lower midslope	convex	35	**	–	66	15	60	No	70	pasture (previouly cultivated)	A1 water repellant
30	W22	4 - 2	774737	6420221	Yellow Kurosol, DQ, AH	No	4	NW	midslope	convex	80	25	–	120	0	–	No	80	pasture (previouly cultivated)	A11 water repellant
31	W21	4 - 3b	775155	6420279	Brown Chromosol, DQ, AH	No	12	N	upper midslope	straight	90	28	–	52	0	–	No	90	native pasture	fallen boulders ~3m diam., 70m apart
32	W20	4 - 3	775353	6420078	Bleached-Orthic Tenosol, AR, CZ	No	10	NE	upper midslope	straight	55	–	–	41	0	–	No	80	native pasture	
33	W25	4 - 4	774190	6419706	Stratic Rudosol, AR	No	6	NW	upper slope	straight	120	–	–	144	1	50	No	70	thick standing cereal stubble	30-40cm; vertical fauna channels
34	W23	4 - 5	774606	6419846	Clastic Rudosol, AI, HI	No	4	N	upper slope	convex	60	–	–	60	0	–	No	60	pasture (previouly cultivated)	
35	W19	4 - 9	775415	6419626	Grey Sodosol, AH, FN	No	5	N	midslope	straight	57	22	–	47	2	80	No	80	native pasture	
36	W57	4 - 6	773939	6419358	Yellow Sodosol, AH, FP	No	6	NW	midslope	straight	–	35	–	85	0	–	No	100	dry native pasture	

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37	W56	4 - 7	774299	6419111	Brown Kurosol, DQ, FD	No	11	NW	upper slope	concave	130	60	–	87	2 - 30	80-5	No	40	sparse native grass near DSF	
38	W12	4 - 10	775883	6419263	Yellow Dermosol, AZ, AH	No	3	NW	lower slope	concave	–	70	–	160	0	–	No	80	pugged native pasture, scattered weeds	
39	W55	4 - 8	773962	6418720	Yellow Chromosol, AZ, AH	No	10	NW	upper slope	straight	–	50	–	91	0	–	No	90	native pasture	
40	W17	4 - 12	775143	6418817	Brown Sodosol, AH, FN	No	5	NE	upper slope	convex	90	20	–	31	0	–	No	90	native grass, scattered weeds	
41	W18	4 - 11	775578	6419060	Yellow Chromosol, AZ, AH	No	5	N	midslope	straight	90	60	–	70	0	–	No	85	pugged native pasture	
42	W14	4 - 13	775423	6418692	Yellow Sodosol, AH, FN	No	4	SE	midslope	convex	–	15	–	89	0	–	No	90	heavily grazed dry native pasture	
43	W13	4 - 14	775805	6418740	Brown Sodosol, AH, FN	No	3	W	lower midslope	straight	105	80	–	118	0	–	No	70	native pasture, scattered weeds	
44	W10	4 - 18	775949	6418541	Red Chromosol, AT, AH	No	5	W	upper midslope	convex	65	**	–	80	0	–	No	80	heavily grazed dry native pasture	
45	W11	4 - 15	776242	6418754	Red Chromosol, CD, AH	No	5	N	lower midslope	straight	–	**	80	126	0	–	No	50	heavily grazed pasture, scattered weeds	
46	W16	4 - 16	775140	6418347	Stratic Rudosol, AR	No	11	E	upper slope	convex	–	60	–	135	0	–	No	100	native pasture	
47	W15	4 - 17	775415	6418217	Brown Sodosol, AH, FN	No	3	E	midslope	convex	–	62	–	120	0	–	No	90	heavily grazed dry native pasture	B21; 5mm wide vertical shrinkage crack
48	W9	4 - 19b	775733	6418130	Brown Chromosol, AZ, AH	No	3	W	lower midslope	straight	–	30	120	87	0	–	No	70	pasture, scattered weeds (previously cultivated)	B21 has slight shrink-swell
49	W7	4 - 20	775365	6417769	Brown Chromosol, AZ, BD	No	5	NE	midslope	straight	–	60	60	99	0	–	No	80	dry native pasture	
50	W8	4 - 21	775954	6417542	Grey Kandosol, CD, AH	Yes	4	NW	midslope	straight	–	**	–	140	0	–	No	80	dry native pasture	
51	W54	4 - 28	774416	6417145	Yellow Kurosol, AZ, GP	No	6	W	upper slope	convex	–	50	–	100	0	–	No	50	DSF (pine & ironbark)	
52	W5	4 - 22	775475	6417072	Brown Chromosol, AZ, AH	No	3	NE	upper slope	convex	–	30	–	92	0	–	No	80	heavily grazed dry native pasture	B22 columnar structure
53	W6	4 - 23	774929	6416821	Leptic Rudosol,AI, CZ	No	6	NE	upper slope	convex	20	–	–	10	0	–	No	75	native pasture, thistles	
54	W4	4 - 24	775364	6416634	Red Dermosol, AZ, AH	No	3	NW	midslope	convex	–	30	–	164	0	–	No	80	native pasture, thistles	

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55	W3	4 - 25	775296	6416282	Red Chromosol, AT, AH	Yes	7	NW	upper slope	straight	–	90	–	109	0	–	No	80	heavily grazed dry native pasture	
56	W2	4 - 26	774619	6416117	Bleached-Leptic Tenosol, AR, CZ	No	2	NE	upper slope	convex	35	–	–	26	0	–	No	70	heavily grazed dry native pasture	A11 & A12 water repellant
57	W1	4 - 27	775159	6415926	Arenic Rudosol, AI	No	3	NW	upper slope	convex	70	38	–	53	0	–	No	70	heavily grazed dry native pasture	A11 water repellant
A		G1	767055	6423026	Arenic Rudosol, AR	No	3	N	midslope	straight	–	65	–	–	0	–	No	60	blady grass & banksia shrubs	coarse sand throughout
B		G2	767089	6422332	Clastic Rudosol, AI, HI	No	6	N	near top of ridge	straight	–	–	–	–	30	5	No	80	DSF (pine/ironbark, shrubs)	water repellant A1 layer
C		G3	767023	6421786	Grey Kandosol, AZ, AH	No	3	E	upper midslope	straight	–	40	–	–	0	–	No	90	native pasture	
D		G4	767066	6420900	Brown-Orthic Tenosol, AI, CZ	No	5	E	upper midslope	straight	–	–	–	–	0	–	No	90	DSF (ironbark, box)	auger refusal at 70cm

Map ID	Peabody ID	Field Site ID	Lower depth cm	Horizon	Texture	Moistsoil colour (Munsell)	Colour from Munsell sheet	Mottles			pH water	Coarse fragments %	Mn?	SOILpak compaction score	Dispersion 10 minutes	Moisture	Root score	Lime	
								Colour	Abundance %	Contrast Faint/Distinct/Prominent								%	Type
1	1-2	W30	10	A11	SL	10YR4/3	Brown				4.5	20		1.8	0	D	3		
1	1-2	W30	22	A12	SL	10YR4/3	Brown				5	30		1.5	0	D	3		
1	1-2	W30	40	B21	MC	7.5YR5/4	Brown	Red & Grey	2-10	Faint	6			0.7	0	S	1		
1	1-2	W30	95	B22	MHC	2.5Y5/2	Greyish brown	Grey	10-20	Distinct	9	5		0.3	0	S	1(80)		
1	1-2	W30	140+	B23	MHC	2.5Y6/3	Light yellowish brown	Yellow & Red, Strong Grey	20-50	Prominent	9			0.3	0	S/M			
2	1-4	W29	15	A11	CS (coarse)	7.5YR5/2	Brown				6.5			1.2	0	D	4		
2	1-4	W29	40	A12	LS (coarse)	7.5YR6/3	Light brown				6	40		1.5	0	D	4		
2	1-4	W29	70	B2	LC	10YR6/6	Brownish yellow	Grey & Red	10-20	Distinct	6	70		0.8	0	S	1		
2	1-4	W29	110	BC	LMC	10YR6/6	Brownish yellow	Strong Grey & Red	20-50	Prominent	5			0.6	0	M	1		
2	1-4	W29	120+	C	Siltcrete/ Ironstone												1		
3	1-5	W28	8	A11	SL (fine)	7.5YR5/3	Brown				6.5			0.9	0	D	3		
3	1-5	W28	30	A12	SL (fine)	7.5YR6/4	Light brown				5.5	5		0.6	0	D	3		
3	1-5	W28	45	B2	LMC	7.5YR6/6	Reddish yellow	Red & Grey	2-10	Distinct	5			0.4	1	D	2		
3	1-5	W28	130+	C	Shale, Coal, Sandstone layers														
4	1-6	W27	15	A1	SL	10YR4/4	Dark yellowish brown				5			1.3	0	D	3		
4	1-6	W27	40	A2	CS	10YR5/4	Yellowish brown				6			0.8	0	D	2		
4	1-6	W27	60	B21	MHC	7.5YR5/6	Strong brown	Grey & Red	2-10	Distinct	5.5	2		1.1	0	S/M	2		
4	1-6	W27	90	B22	MHC	10YR6/8	Brownish yellow	Strong Grey & Red	20-50	Prominent	5	2		1.0	0	M	1(80)		
4	1-6	W27	140+	B23	LMC	10YR6/8	Brownish yellow	Strong Grey & Red	20-50	Prominent	6			0.7	0	M			
5	1-7	W26	14	A1	SL (fine)	10YR5/3	Brown				5			0.8	0	D	3		
5	1-7	W26	35	A2	SL (fine)	10YR6/4	Light yellowish brown				5.5	5		0.9	1	D	1(25)		
5	1-7	W26	100	B21	LMC	10YR6/8	Brownish yellow	Slight Grey & Red	10-20	Distinct	6.5			0.9	0	S/M			
5	1-7	W26	140+	B22	LC	10YR6/6	Brownish yellow	Red	20-50	Prominent	6			0.9	0	M			
6	1-18	W31	15	A11	S	7.5YR5/4	Brown				5	80		1.5		D	4		
6	1-18	W31	75	A12	S	7.5YR5/6	Strong brown				4.5	70		1.5		D	4		
6	1-18	W31	140+	A3	S	7.5YR5/8	Strong brown				4	60		1.5		S	3		
7	1-9	W33	15	A11	ZCL	7.5YR3/4	Dark brown				5.5			1.7	0	D	3		
7	1-9	W33	30	A12	ZCL	7.5YR3/3	Dark brown				5	5 (coal)		1.5	0	D	3		
7	1-9	W33	52	B2	LC	7.5YR4/4	Brown	Slight Grey	2-10	Faint	4.5	10 (coal/shale)		1.4	1	D	2		
7	1-9	W33	70+	C	Shale												3		
8	1-19	W32	15	A11	S	10YR4/2	Dark greyish brown				5.5			1.5	0	D	2		
8	1-19	W32	30	A12	S	10YR5/6	Yellowish brown				5			1.5	0	D	2		
8	1-19	W32	55	A13	S	2.5Y5/6	Light olive brown				5	70		1.5	1	D	3		
8	1-19	W32	80	B2	SLC	5YR4/6	Yellowish red	Yellow & Grey	10-20	Distinct	4			0.3	0	S/M	1(65)		
8	1-19	W32	95+	C	Semi-decomposed Sandy Conglomerate														
9	1-11	W34	15	A1	LC	10YR4/3	Brown				5	3		1.1	0	D	2		
9	1-11	W34	45	B21	LMC	10YR5/3	Brown	Grey & Red	10-20	Distinct	5.5			0.6	0	S	1		
9	1-11	W34	130+	B22	MC	2.5Y6/3	Light yellowish brown	Grey & Red	20-50	Prominent	6			0.3	0	S	1(110)		
10	1-20	W35	10	A1	SL	10YR3/2	Very dark greyish brown				5			1.2	0	D	4		
10	1-20	W35	22	A2	SCL	10YR6/4	Light yellowish brown				5	50		1.2	2	D	3		
10	1-20	W35	70	B21	LMC	7.5YR5/6	Strong brown	Grey & Yellow	10-20	Distinct	4.5	10		0.9	0	S	2		
10	1-20	W35	100	B22	SLC	5YR5/6	Yellowish red	Yellow & Grey	20-50	Distinct	4.5	5		0.5	0	S/M	1		
10	1-20	W35	140+	B23	SLC	7.5YR6/8	Reddish Yellow	Strong Grey	20-50	Prominent	5	20		0.3	1	S/M	1(110)		

Map ID	Peabody ID	Field Site ID	Lower depth cm	Horizon	Texture	Moistsoil colour (Munsell)	Colour from Munsell sheet	Mottles			pH water	Coarse fragments %	Mn?	SOILpak compaction score	Dispersion 10 minutes	Moisture	Root score	Lime	
								Colour	Abundance %	Contrast Faint/Distinct/Prominent								%	Type
11	1-12	W36	12	A11	CS	10YR3/2	Very dark greyish brown				4.5			1.3	0	D	3		
11	1-12	W36	35	A12	SCL	7.5YR3/3	Dark brown				5			1.2	1	D	3		
11	1-12	W36	140+	BC													2(120)		
12	1-14	W38	10	A11	SL	10YR4/3	Brown				5			1.5	0	D	2		
12	1-14	W38	30	A12	SCL	7.5YR5/4	Brown				5.5	5		0.9	1	D	1		
12	1-14	W38	125+	B2	LC	10YR5/8	Yellowish brown	Strong Grey	20-50	Prominent	6	10		0.8	2	S	1(55)		
13	1-13	W37	15	A1	CS (coarse)	10YR3/3	Dark Brown				4			1.2	0	D	3		
13	1-13	W37	30	A2	CS	10YR5/3	Brown				4.5			0.7	0	D	1		
13	1-13	W37	75	A3	S	10YR5/4	Yellowish brown				5	20			2	D	1(40)		
13	1-13	W37	140+	BC															
14	1-15	W39	15	A11	SCL	10YR4/3	Brown				5			1.3	0	D	3		
14	1-15	W39	30	A12	SCL	10YR4/4	Dark yellowish brown				5.5			1.1	0	D	1		
14	1-15	W39	45	A2	SL	10YR5/3	Brown				5.5	5		0.8	0	D	1		
14	1-15	W39	95	B2	LMC	10YR6/6	Brownish yellow	Strong Grey	20-50	Prominent	6			0.4	1	S	1		
14	1-15	W39	130+	BC	Platey Sandstone												1(110)		
15	1-17	W40	12	A1	SL	10YR4/3	Brown				4.5			1.0	0	D	2		
15	1-17	W40	32	A2	SL	10YR6/4	Light yellowish brown				5			0.8	0	D	1		
15	1-17	W40	75	B21	SCL	10YR6/8	Brownish yellow	Strong Grey	20-50	Prominent	5.5			0.3	2	S	1(65)		
15	1-17	W40	120	B22	LC	10YR6/8	Brownish yellow	Strong Red & Grey	20-50	Prominent	7			0.6	2	S/M			
15	1-17	W40	125+	BC	Sandstone/Conglomerate/Shale														
16	1-16	W41	15	A1	SCL	7.5YR3/2	Dark brown				4.5			1.3	0	D	2		
16	1-16	W41	70	2A	SCL	7.5YR3/1	Very dark grey				5			1.2	0	D	2		
16	1-16	W41	140+	3A	LC	10YR4/2	Dark greyish brown				5.5			0.7	2	S	1		
16	1-16	W41	20(mm)											0.6					
17	2-1	W42	8	A11	SL (coarse)	10YR3/2	Very dark greyish brown				4.5			1.7	0	D	4		
17	2-1	W42	20	A12	SL (coarse)	10YR3/1	Very dark grey				5	2		1.2	0	D	2		
17	2-1	W42	70	A13	SL (coarse)	10YR3/2	Very dark greyish brown				5.5	2		1.1	0	D	2		
17	2-1	W42	100	A14	SCL (coarse)	10YR4/3	Brown				5.5	5		1.2	2	S	2		
17	2-1	W42	125+	C	SCL (coarse)	10YR4/3	Brown					40		1.2		S	1		
18	2-2	W43	17	A11	CL	10YR3/2	Very dark greyish brown				4.5			1.6	0	D	3		
18	2-2	W43	70	A12	LS	7.5YR4/4	Brown				5			1.5	0	D	2		
18	2-2	W43	90	2A	S	7.5YR6/6	Reddish yellow				5.5	60		1.5	0	D	1		
18	2-2	W43	120+	3A								95							
19	2-4	W46	14	A1	CS	7.5YR2.5/1	Black				4.5	5		1.5	0	D	3		
19	2-4	W46	30	2A	S	7.5YR2.5/1	Black				5	10		1.5	0	D	2		
19	2-4	W46	60	3A	ZLC	10YR3/2	Very dark greyish brown				5.5			1.3	0	D	1		
19	2-4	W46	85	4A	LMC	10YR5/4	Yellowish brown				5	2		1.0	1	D	1		
19	2-4	W46	140+	5A	LC	10YR5/3	Brown				5			0.8	2	S	1(90)		
20	2-5	W45	15	A11	LS	10YR2/1	Black				5			1.5	0	D	4		
20	2-5	W45	100	A12	LS	10YR2/1	Black				5.5	10		1.5	0	D	3		
20	2-5	W45	140+	A3	SL	10YR2/1	Black				6	20		1.2	1	S	1(120)		
21	2-6	W44	14	A1	CS	10YR3/1	Very dark grey				4.5	1		1.5	0	D	3		
21	2-6	W44	33	2A	LS	10YR2/1	Black				5	5		1.5	0	D	2		
21	2-6	W44	52	3A	S	10YR4/1	Dark grey				5.5	30		1.5	0	D	3		
21	2-6	W44	73	4A	LS	10YR2/2	Very dark brown				5.5	5		1.5	0	D	2		
21	2-6	W44	88	5A	S						6			1.5	0	D	1		
21	2-6	W44	112	6A	SCL	10YR3/1	Very dark grey				6	5		1.3	0	S	1		
21	2-6	W44	128	7A	SCL	10YR3/1	Very dark grey				6	60		1.3	0	S	0		

Map ID	Peabody ID	Field Site ID	Lower depth cm	Horizon	Texture	Moistsoil colour (Munsell)	Colour from Munsell sheet	Mottles			pH water	Coarse fragments %	Mn?	SOILpak compaction score	Dispersion 10 minutes	Moisture	Root score	Lime	
								Colour	Abundance %	Contrast Faint/Distinct/Prominent								%	Type
21	2-6	W44	140+	8A	SCL	10YR3/1	Very dark grey				6			1.3	2	S	0		
22	2-10	W50	15	A1	ZCL	10YR3/1	Very dark grey				5			1.3	0	D	3		
22	2-10	W50	50	A3	ZLC	10YR3/1	Very dark grey				6			1.1	0	D	3		
22	2-10	W50	75	2A	SL (coarse)	10YR3/2	Very dark greyish brown				6			1.3	0	D	2		
22	2-10	W50	140+	3A	LC	10YR3/1	Very dark grey				6	5		1.1	0	S	2		
23	2-9	W49	15	A11	SL (coarse)	10YR3/2	Very dark greyish brown				5			1.1	0	D	4		
23	2-9	W49	50	A12	SL (coarse)	10YR4/1	Dark grey				5.5	2		1.2	0	D	3		
23	2-9	W49	72	B21	SCL	7.5YR5/3	Brown				6			1.2	0	D	1		
23	2-9	W49	140+	B22	SCL	7.5YR5/6	Strong brown				6	5		0.9	1	S	1(100)		
24	2-8	W48	10	A11	ZCL	10YR3/1	Very dark grey				5	2		0.4	0	D	2		
24	2-8	W48	30	A12	ZCL	10YR3/1	Very dark grey				5.5	5		0.9	0	D	2		
24	2-8	W48	55	2B	SLC	10YR3/2	Very dark greyish brown				6			1.0	0	D	2		
24	2-8	W48	85	3B	SL (coarse)	10YR4/3	Brown				6	10		0.6	0	S	1		
24	2-8	W48	140+	4B	CS	10YR4/2	Dark greyish brown				6.5	2		0.5	0	S	1(115)		
25	2-7	W47	8	A1	SL	10YR3/1	Very dark grey				5			1.5	0	D	4		
25	2-7	W47	16	2A	SL	10YR3/1	Very dark grey				5	60		1.5	0	D	3		
25	2-7	W47	28	3A	SL	10YR3/1	Very dark grey				5.5			1.2	0	D	3		
25	2-7	W47	75	4A	SCL	10YR4/2	Dark greyish brown				5.5			1.2	0	D	3		
25	2-7	W47	140+	5B	SLC	10YR5/2	Greyish brown				6.5	20		0.2	2	S	1(95)		
26	3-1	W51	13	A1	SL	10YR3/2	Very dark greyish brown				4.5			1.2	0	D	3		
26	3-1	W51	38	A31	SCL	10YR4/2	Dark greyish brown				5	40		1.3	0	D	3		
26	3-1	W51	75	A32	SCL	10YR4/3	Brown				5	5		1.1	1	D	2		
26	3-1	W51	140+	B2	SLC	10YR4/3	Brown				5	10		1.0	0	S	1(105)		
27	3-2	W52	10	A11	CS	7.5YR4/2	Brown				5	5		1.2	0	D	2		
27	3-2	W52	50	A12	SCL	7.5YR5/6	Strong brown				6	5		1.1	0	D	1		
27	3-2	W52	70	A3	SCL	7.5YR4/4	Brown				6	20		1.3	0	S	1		
27	3-2	W52	140+	B1	LC	7.5YR5/6	Strong brown				6.5	5		0.5	0	S	1		
28	3-3	W53	10	A11	ZLC	10YR3/3	Dark Brown				4.5			1.4	0	D	3		
28	3-3	W53	32	A2	LC	10YR4/4	Dark yellowish brown				5	2		0.7	0	D	2		
28	3-3	W53	72	B21	MC	7.5YR5/6	Strong brown	Strong Grey	20-50	Prominent	5			0.9	1	S	1		
28	3-3	W53	80	B22	LC	10YR6/2	Light brownish grey	All Mottle			5	10		1.2	2	S	2		
28	3-3	W53	140+	C	Shale														
29	4-1	W24	5	A1	CS (fine)	10YR4/4	Dark yellowish brown				4.5	2		1.7	0	D	3		
29	4-1	W24	15	A2	FSL	7.5YR5/4	Brown				4.5	2		1.1	1	D	2		
29	4-1	W24	35	B2	LMC	7.5YR6/8	Reddish Yellow	Red & Yellow	2-10	Faint	5	5		1.3	0	S	2		
29	4-1	W24	100	BC	Semi-decomposed Shale												1(60)		
29	4-1	W24	110+	C	Shale														
30	4-2	W22	7	A11	CS (fine)	10YR4/4	Dark yellowish brown				4.5			1.4	0	D	3		
30	4-2	W22	25	A12	CS (fine)	10YR6/4	Light yellowish brown				4.5			1.2	0	S	1		
30	4-2	W22	65	B2	LMC	10YR7/6	Yellow	Strong Grey & Red	20-50	Prominent	5			1.1	0	S/M	1		
30	4-2	W22	80	BC	LC	10YR7/6	Yellow	Strong Grey	20-50	Prominent	5.5			0.8	0	S	1		
30	4-2	W22	95+	C	Slate/Shale														
31	4-3b	W21	8	A1	CS	7.5YR4/2	Brown				4.5	10		1.6	0	D	3		
31	4-3b	W21	28	A2	CL	7.5YR5/3	Brown				5	60		1.0	1	D	2		
31	4-3b	W21	90	B2	LMC	7.5YR5/6	Strong brown	Red & Grey	10-20	Distinct	6.5	40		0.4	0	S	1(70)		
31	4-3b	W21	110+	BC								95							
32	4-3	W20	10	A1	SL	10YR5/3	Brown				5			1.1	0	D	3		
32	4-3	W20	30	A21	SL	10YR7/3	Very pale brown				6			0.5	1	D	1		
32	4-3	W20	55	A22	SL	10YR7/3	Very pale brown				6	20		0.5	1	D	1		

Map ID	Peabody ID	Field Site ID	Lower depth cm	Horizon	Texture	Moistsoil colour (Munsell)	Colour from Munsell sheet	Mottles			pH water	Coarse fragments %	Mn?	SOILpak compaction score	Dispersion 10 minutes	Moisture	Root score	Lime	
								Colour	Abundance %	Contrast Faint/Distinct/Prominent								%	Type
32	4-3	W20	75+	BC	Sandstone/Conglomerate														
33	4-4	W25	15	A1	SL	10YR3/2	Very dark greyish brown				4.5			1.7	0	S/M	3		
33	4-4	W25	35	2A	LC	10YR3/3	Dark Brown				5.5	2		1.2	0	S/M	2		
33	4-4	W25	60	3A	SL (coarse)	10YR4/3	Brown				5.5	60		1.3	0	S	1		
33	4-4	W25	120	4A	SLC	10YR4/6	Dark yellowish brown				6	10		1.0	1	S	1(75)		
33	4-4	W25	130+	C															
34	4-5	W23	12	A1	SCL	10YR4/3	Brown				4.5	2		1.6	0	D	2		
34	4-5	W23	40	2A	SL (coarse)	10YR4/4	Dark yellowish brown				5	20		1.5	0	D	1		
34	4-5	W23	60	3A	LS	10YR5/3	Brown				4.5	30		1.5	1	D	1		
34	4-5	W23	100+	C								95							
35	4-9	W19	10	A1	CS	10YR4/3	Brown				4.5	5		1.0	0	D	2		
35	4-9	W19	22	A2	SL	10YR6/3	Pale brown				5	20		0.8	1	D	1		
35	4-9	W19	57	B2	LC	10YR4/2	Dark greyish brown	Grey	20-50	Prominent	6			0.4	2	S	1		
35	4-9	W19	80+	C	Shale/Slate														
36	4-6	W57	10	A1	CS	10YR5/3	Brown				5			1.5	0	D	4		
36	4-6	W57	35	A2	CS	10YR6/3	Pale brown				5.5			1.0	0	D	2		
36	4-6	W57	70	B21	SLC	10YR6/8	Brownish yellow	Strong Grey	20-50	Prominent	5.5	5		0.5	2	S	1(90)		
36	4-6	W57	140+	B22	SLC	10YR6/6	Brownish yellow	Grey & Red	20-50	Prominent	4.5			0.3	1	S			
37	4-7	W56	12	A1	CS	7.5YR3/2	Dark brown				4.5			1.5	0	D	3		
37	4-7	W56	42	A2	SCL	7.5YR5/2	Brown				5			1.2	0	D	3		
37	4-7	W56	60	B1	SLC	10YR6/3	Pale brown				4.5	60		1.0	2	D	1		
37	4-7	W56	130	B2	SLC	7.5YR5/6	Strong brown	Grey	20-50	Distinct	4	50		0.6	1	S	1(110)		
37	4-7	W56	140+	C	Shale														
38	4-10	W12	12	A1	SL (fine)	10YR4/3	Brown				5.5			1.5	0	D	3		
38	4-10	W12	32	A2	FSCL	10YR6/4	Light yellowish brown				5.5			0.7	0	D	2		
38	4-10	W12	70	B21	LC	10YR6/6	Brownish yellow				6	1	Mn (1%)	1.0	0	S	1		
38	4-10	W12	140+	B22	LMC	10YR6/8	Brownish yellow	Red & Grey	20-50	Prominent	6.5	10	Mn (10%)	0.5	0	S	1(120)		
39	4-8	W55	14	A11	CS	10YR4/3	Brown				4.5			1.5	0	D	3		
39	4-8	W55	28	A12	CS	10YR5/3	Brown				5			1.0	1	D	2		
39	4-8	W55	50	A2	SCL (coarse)	10YR6/4	Light yellowish brown				5.5	5		0.3	2	D	2		
39	4-8	W55	100+	B2	LMC	10YR6/8	Brownish yellow	Strong Grey	20-50	Prominent	7			0.4	1	S	1(70)		
40	4-12	W17	14	A1	SL	10YR5/3	Brown				5	5		1.3	0	D	3		
40	4-12	W17	20	A2	CL	10YR6/4	Light yellowish brown				5.5	10		0.7	2	D	3		
40	4-12	W17	60	B21	MHC	10YR5/6	Yellowish brown	Slight Grey	10-20	Distinct	6			0.4	2	S	1		
40	4-12	W17	90	B22	LC	10YR7/2	Light grey				6			0.6	0	S	1(75)		
40	4-12	W17	100+	C	Shale														
41	4-11	W18	15	A1	CS	10YR5/4	Yellowish brown				4.5			0.9	1	D	3		
41	4-11	W18	35	A2	CS	10YR6/4	Light yellowish brown				5	20		0.8	2	D	2		
41	4-11	W18	50	B21	MHC	10YR6/6	Brownish yellow	Slight Grey	2-10	Faint	6.5			0.4	2	S	1		
41	4-11	W18	60	B22	MC	10YR5/6	Yellowish brown	Red	10-20	Distinct	8			0.6	1	S	0		
41	4-11	W18	90	B23	MC	10YR5/6	Yellowish brown	Red	2-10	Distinct	8			0.6	1	S	0		
41	4-11	W18	110+	Coal															
42	4-13	W14	15	A1	SL	10YR6/3	Pale brown				4.5			0.5	1	D	2		
42	4-13	W14	60	B21	SLC	10YR6/6	Brownish yellow	Strong Grey	20-50	Prominent	7			0.3	1	D	1(45)		
42	4-13	W14	130+	B22	LC	10YR6/6	Brownish yellow	Strong Grey & Yellow	20-50	Prominent	7			0.2	2	S			
43	4-14	W13	12	A1	SL	7.5YR4/4	Brown				5			1.3	1	D	3		
43	4-14	W13	32	A2	SL	7.5YR6/4	Light brown				5.5			0.9	2	D	1		
43	4-14	W13	80	B21	LMC	7.5YR5/8	Strong brown	Slight Grey	2-10	Distinct	5			0.4	0	S	1		
43	4-14	W13	105	B22	LMC	7.5YR5/8	Strong brown	Strong Grey	20-50	Prominent	5.5			1.1	0	S	1		

Map ID	Peabody ID	Field Site ID	Lower depth cm	Horizon	Texture	Moistsoil colour (Munsell)	Colour from Munsell sheet	Mottles			pH water	Coarse fragments %	Mn?	SOILpak compaction score	Dispersion 10 minutes	Moisture	Root score	Lime	
								Colour	Abundance %	Contrast Faint/Distinct/Prominent								%	Type
43	4-14	W13	140+	BC															
44	4-18	W10	10	A1	FSCL	7.5YR4/3	Brown				5.5			1.5	1	D	3		
44	4-18	W10	30	A2	FSCL	7.5YR6/4	Light brown				6			1.2	0	D	2		
44	4-18	W10	55	B21	LMC	5YR4/6	Yellowish red				5.5			0.7	0	S	1		
44	4-18	W10	65	B22	MC	10YR5/4	Yellowish brown	Yellow	2-10	Faint	6	5	Mn (5%)	0.8	1	S	1		
44	4-18	W10	120	BC	95% Rock												1(100)		
44	4-18	W10	125+	C	Slate														
45	4-15	W11	15	A1	SL	7.5YR3/3	Dark brown				5			1.1	0	D	3		
45	4-15	W11	55	A2	FSCL	7.5YR4/6	Strong brown				5.5			1.1	1	D	2		
45	4-15	W11	80	B21	LC	5YR4/6	Yellowish red	Slight Grey	2-10	Faint	6.5			0.8	1	S	1		
45	4-15	W11	140+	B22	LC	5YR4/6	Yellowish red	Grey	2-10	Faint	8.5	2	Mn (2%)	0.5	0	S	1	2	D
46	4-16	W16	15	A1	SL (fine)	10YR3/2	Very dark greyish brown				5			1.3	0	D	3		
46	4-16	W16	32	A2	SL (coarse)	10YR5/3	Brown				5.5			1.1	0	D	2		
46	4-16	W16	45	2A	CSL	10YR6/3	Pale brown				6.5	50		1.0	0	D	2		
46	4-16	W16	60	3A	SCL	10YR4/4	Dark yellowish brown				7	5		1.4	1	S	1		
46	4-16	W16	100	3B1	LC	10YR5/1	Grey	Red	10-20	Distinct	7	30		1.1	0	S	1		
46	4-16	W16	140+	3B2	LC	7.5YR5/2	Brown	Red	20-50	Distinct	7			0.9	2	M	1(110)		
47	4-17	W15	5	A1	FSL	10YR4/2	Dark greyish brown				5			0.5	1	D	2		
47	4-17	W15	12	A2	CSL	10YR6/2	Light brownish grey				6.5			0.3	2	D	2		
47	4-17	W15	62	B21	MC	10YR5/3	Brown	Grey	2-10	Faint	7			0.3	0	D	1(40)		
47	4-17	W15	130+	B22	SLC	10YR6/8	Brownish yellow	Strong Grey	20-50	Prominent	9	10		1.0	0	S			
48	4-19b	W9	8	A11	SL	7.5YR4/2	Brown				5			0.9	0	D	2		
48	4-19b	W9	16	A12	SL	7.5YR4/3	Brown				5			0.7	0	D	2		
48	4-19b	W9	30	A2	SL	7.5YR6/3	Light brown				5.5			0.6	1	D	1		
48	4-19b	W9	75	B21	MC	7.5YR5/6	Strong brown	Grey & Yellow	10-20	Distinct	8.5			0.4	1	S	1(60)		
48	4-19b	W9	140+	B22	LMC	7.5YR5/8	Strong brown	Strong Grey & Yellow	20-50	Prominent	9.5	5	Mn (5%)	0.8	1	S		5	N
49	4-20	W7	8	A1	FSCL	10YR4/2	Dark greyish brown				5			1.3	0	D	2		
49	4-20	W7	20	A2	FSCL	10YR6/2	Light brownish grey				6			0.7	2	D	2		
49	4-20	W7	60	B21	LMC	10YR5/4	Yellowish brown	Grey	2-10	Faint	6.5			0.4	0	S	1		
49	4-20	W7	120	B22	SLC	10YR7/6	Yellow	Grey & Red	20-50	Prominent	7.5			0.5	0	S	1(90)	1	N
49	4-20	W7	140+	BC															
50	4-21	W8	10	A11	SCL	10YR2/2	Very dark brown				5.5			1.3	0	D	3		
50	4-21	W8	35	A12	SCL	10YR2/2	Very dark brown				6	2		1.2	0	D	3		
50	4-21	W8	60	B21	SLC	7.5YR4/2	Brown				6	2		1.3	1	D	2		
50	4-21	W8	95	B22	SLC	10YR6/3	Pale brown				6	20		0.8	2	S	1		
50	4-21	W8	140+	B23	SLC	10YR6/6	Brownish yellow	Yellow	2-10	Faint	8.5	30		1.0	1	S	1		
51	4-28	W54	13	A1	CS	10YR5/3	Brown				5			0.5	0	D	2		
51	4-28	W54	37	A2	SL	10YR6/3	Pale brown				4.5			0.8	2	D	2		
51	4-28	W54	50	B21	SLC	10YR6/3	Pale brown				4.5	5		0.9	2	S	1		
51	4-28	W54	110+	B22	MC	10YR6/6	Brownish yellow	Strong Grey	20-50	Prominent	4			0.3	0	S	2(80)		
52	4-22	W5	8	A1	SCL	7.5YR3/2	Dark brown				4.5			1.2	0	D	2		
52	4-22	W5	30	A2	SCL	7.5YR7/3	Pink				5	10		0.4	1	D	1		
52	4-22	W5	55	B21	LMC	10YR5/6	Yellowish brown	Strong Grey	20-50	Prominent	6.5	5		0.6	2	S	1		
52	4-22	W5	65	B22								30							
52	4-22	W5	110	B23	SLC	10YR6/6	Brownish yellow	Strong Grey	20-50	Prominent	7.5			0.4	0	S	1(90)		
52	4-22	W5	120+	C	Shale														
53	4-23	W6	5	A11	SL	7.5YR3/2	Dark brown				5	20		1.4	0	D	2		
53	4-23	W6	20	A12	SL	7.5YR4/3	Brown				5	70		1.6	0	D	2		
53	4-23	W6	70	BC								95					1		

Map ID	Peabody ID	Field Site ID	Lower depth cm	Horizon	Texture	Moistsoil colour (Munsell)	Colour from Munsell sheet	Mottles			pH water	Coarse fragments %	Mn?	SOILpak compaction score	Dispersion 10 minutes	Moisture	Root score	Lime	
								Colour	Abundance %	Contrast Faint/Distinct/Prominent								%	Type
53	**4-23**	**W6**	75+	C	Pale Shale														
54	**4-24**	**W4**	10	A1	LC	7.5YR4/2	Brown				5			1.1	0	D	2		
54	**4-24**	**W4**	30	A2	LC	7.5YR7/4	Pink				5	2		1.2	1	D	1		
54	**4-24**	**W4**	65	B21	LMC	5YR4/6	Yellowish red	Grey	10-20	Distinct	6.5			1.0	0	S	1(50)		
54	**4-24**	**W4**	78	B22	MC	10YR5/6	Yellowish brown	Grey	10-20	Distinct	9	1	Mn (1%)	1.0	0	S			
55	**4-25**	**W3**	12	A1	SL	7.5YR4/2	Brown				5.5			1.3	0	D	2		
55	**4-25**	**W3**	38	A2	SL	5YR7/4	Pink				5.5			1.2	2	D	1		
55	**4-25**	**W3**	90	B21	LMC	5YR5/6	Yellowish red				6			0.3	1	S	1(50)		
55	**4-25**	**W3**	120	B22	LC	5YR5/6	Yellowish red	Grey	10-20	Faint	6			0.5	0	S			
55	**4-25**	**W3**	130+	C	Sandstone Fragments														
56	**4-26**	**W2**	8	A11	CS	7.5YR3/2	Dark brown				7	1		1.5	0	D	2		
56	**4-26**	**W2**	17	A12	CS	10YR5/3	Brown				5.5			1.0	0	D	2		
56	**4-26**	**W2**	35	A2	CS	10YR6/2	Light brownish grey				6			1.0	1	S	1		
56	**4-26**	**W2**	60+	C	Platey Siltstone														
57	**4-27**	**W1**	5	A11	LS	7.5YR3/2	Dark brown				5			1.0	0	D	1		
57	**4-27**	**W1**	15	A12	CS	10YR5/3	Brown				5			1.0	0	D	1		
57	**4-27**	**W1**	38	A2	CS	10YR6/3	Pale brown				4			1.0	0	D	1		
57	**4-27**	**W1**	70	A3	CS	10YR7/2	Light grey	Red & Grey	10-20	Prominent	4			0.5	3	S	1(50)		
57	**4-27**	**W1**	90+	C	Pale Sandstone														
A	G1		15		LS	7.5YR5/2	Brown				5			1.5		M	3		
A			65		LS	7.5YR5/3	Brown				5.5			1.5		M	2		
A			100		SL	10YR5/8	Yellowish brown	Grey	10-20	Distinct	5.5					M	0		
B	G2		12	A11	CS	7.5YR4/2	Brown				4.5	30		1.5		M	3		
B			50	A12	CS	7.5YR5/4	Brown				4.5	70		1.5		S/M	3		
B			100	A3	CS	7.5YR6/6	Reddish yellow				4.5	60				S	2		
C	G3		15	A1	FSCL	7.5YR4/2	Brown				4.5			0.5		S/M	2		
C			40	A2	FSCL	7.5YR6/3	Light brown				5	5		0.3		S	1		
C			60	B2	LMC	7.5YR6/3	Light brown	Grey			5	10		0.3		S	0		
D	G4		10	A11	SL	7.5YR3/4	Dark brown				5			1.7		M	3		
D			25	A12	SL	7.5YR4/3	Brown				4.5			0.7		D	3		
D			70	B1	SL	7.5YR5/4	Brown				5	5		1.4		D	2		

Map ID	Peabody ID	Photo ID	Lower Depth	Grade	Type	Size	Fabric	Consistence	SOILpak score
1	**1-2**	**W30**	10	M	SB	7	E	1	1.8
1	**1-2**	**W30**	22	M	PO	7	E	2	1.5
1	**1-2**	**W30**	40	M	CO/BL	20	RP	5	0.7
1	**1-2**	**W30**	95	S	CO/LE	30	SP/RP	5	0.3
1	**1-2**	**W30**	140+	S	LE	30	SP/RP	5	0.3
2	**1-4**	**W29**	15	M	BL/PO	12	E	3	1.2
2	**1-4**	**W29**	40	G					1.5
2	**1-4**	**W29**	70	M	LE	10	RP	4	0.8
2	**1-4**	**W29**	110	M	LE	15	RP	5	0.6
2	**1-4**	**W29**	120+	Siltcrete, Ironstone					
3	**1-5**	**W28**	8	W	BL	15	E	3	0.9
3	**1-5**	**W28**	30	W	BL/LE	20	E	4	0.6
3	**1-5**	**W28**	45	S	CO/LE	25	RP	5	0.4
3	**1-5**	**W28**	130+	Shale, Coal, Sandstone					
4	**1-6**	**W27**	15	W	BL	10	E	2	1.3
4	**1-6**	**W27**	40	M	LE	10	E	2	0.8
4	**1-6**	**W27**	60	S	BL/LE	15	RP	3	1.1
4	**1-6**	**W27**	90	S	LE	10	RP	3	1.0
4	**1-6**	**W27**	140+	S	BL/LE	12	RP	4	0.7
5	**1-7**	**W26**	14	W	BL	20	E	3	0.8
5	**1-7**	**W26**	35	M	LE	8	E	2	0.9
5	**1-7**	**W26**	100	M	LE	10	RP	4	0.9
5	**1-7**	**W26**	140+	M	LE	10	RP	2	0.9
6	**1-18**	**W31**	15	G					1.5
6	**1-18**	**W31**	75	G					1.5
6	**1-18**	**W31**	140+	G					1.5
7	**1-9**	**W33**	15	S	PO	7	E	2	1.7
7	**1-9**	**W33**	30	M	PO	12	E	2	1.5
7	**1-9**	**W33**	52	S	LE/PO	10	RP	2	1.4
7	**1-9**	**W33**	70+	Shale					
8	**1-19**	**W32**	15	G					1.5
8	**1-19**	**W32**	30	G					1.5
8	**1-19**	**W32**	55	G					1.5
8	**1-19**	**W32**	80	W	LE	15	RP	4	0.3
8	**1-19**	**W32**	95+	Semi-decomposed Sandy Conglomerate					
9	**1-11**	**W34**	15	M	PO	15	RP	4	1.1
9	**1-11**	**W34**	45	S	BL	25	RP	5	0.6
9	**1-11**	**W34**	130+	S	CL/BL	30	SP/RP	6	0.3
10	**1-20**	**W35**	10	M	LE	7	E	2	1.2
10	**1-20**	**W35**	22	M	PO/BL	10	E	2	1.2
10	**1-20**	**W35**	70	M	PO	8	RP	4	0.9
10	**1-20**	**W35**	100	M	LE	15	RP	5	0.5
10	**1-20**	**W35**	140+	S	LE	20	RP	5	0.3
11	**1-12**	**W36**	12	W	BL	15	E	2	1.3
11	**1-12**	**W36**	35	M	BL/LE	10	E	2	1.2
11	**1-12**	**W36**	140+						
12	**1-14**	**W38**	10	M	PO	10	E	2	1.5
12	**1-14**	**W38**	30	M	LE	10	E	3	0.9
12	**1-14**	**W38**	125+	M	LE	20	RP	4	0.8
13	**1-13**	**W37**	15	W	BL	12	E	2	1.2
13	**1-13**	**W37**	30	W	LE	10	E	2	0.7
13	**1-13**	**W37**	75	G					
13	**1-13**	**W37**	140+	95% Coarse Fragments					
14	**1-15**	**W39**	15	M	PO/BL	15	E	3	1.3

Map ID	Peabody ID	Photo ID	Lower Depth	Grade	Type	Size	Fabric	Consistence	SOILpak score
14	**1-15**	**W39**	30	M	LE	15	E	3	1.1
14	**1-15**	**W39**	45	W	LE	15	E	3	0.8
14	**1-15**	**W39**	95	M	BL/LE	25	RP	5	0.4
14	**1-15**	**W39**	130+	Platey Sandstone					
15	**1-17**	**W40**	12	M	PL/LE	10	E	2	1.0
15	**1-17**	**W40**	32	W	LE	12	E	2	0.8
15	**1-17**	**W40**	75	W	LE	20	RP	5	0.3
15	**1-17**	**W40**	120	M	LE	15	RP	4	0.6
15	**1-17**	**W40**	125+	Sandstone/Conglomerate/Shale (decomposing)					
16	**1-16**	**W41**	20(mm)	W	PL/BL	20	E	4	0.6
16	**1-16**	**W41**	15	M	PO	12	E	2	1.3
16	**1-16**	**W41**	70	M	PO/LE	10	E	2	1.2
16	**1-16**	**W41**	140+	W	LE	15	RP	4	0.7
17	**2-1**	**W42**	8	S	PO	7	E	2	1.7
17	**2-1**	**W42**	20	M	PO/LE	12	E	3	1.2
17	**2-1**	**W42**	70	M	BL/LE	15	E	2	1.1
17	**2-1**	**W42**	100	M	BL/LE	10	E	2	1.2
17	**2-1**	**W42**	125+	M	BL/LE	10	E	2	1.2
18	**2-2**	**W43**	17	M	PO	7	E	2	1.6
18	**2-2**	**W43**	70	G					1.5
18	**2-2**	**W43**	90	G					1.5
18	**2-2**	**W43**	120+	95% Gravel					
19	**2-4**	**W46**	14	M	PO	10	S	2	1.5
19	**2-4**	**W46**	30	G					1.5
19	**2-4**	**W46**	60	M	LE	15	RP	2	1.3
19	**2-4**	**W46**	85	M	LE/BL	12	RP	4	1.0
19	**2-4**	**W46**	140+	M	LE/BL	10	RP	4	0.8
20	**2-5**	**W45**	15	G					1.5
20	**2-5**	**W45**	100	G					1.5
20	**2-5**	**W45**	140+	M	LE	10	E	2	1.2
21	**2-6**	**W44**	14	G					
21	**2-6**	**W44**	33	G					
21	**2-6**	**W44**	52	G					
21	**2-6**	**W44**	73	G					
21	**2-6**	**W44**	88	G					
21	**2-6**	**W44**	112	M	LE/BL	8	E	2	1.3
21	**2-6**	**W44**	128	M	LE/BL	8	E	2	1.3
21	**2-6**	**W44**	140+	M	LE/BL	8	E	2	1.3
22	**2-10**	**W50**	15	M	PO	12	E	2	1.3
22	**2-10**	**W50**	50	M	PO/LE	15	RP	2	1.1
22	**2-10**	**W50**	75	M	LE	15	E	2	1.3
22	**2-10**	**W50**	140+	M	PO/LE	20	RP	3	1.1
23	**2-9**	**W49**	15	W	BL/PO	20	E	3	1.1
23	**2-9**	**W49**	50	W	LE	10	E	2	1.2
23	**2-9**	**W49**	72	W	LE	12	E	2	1.2
23	**2-9**	**W49**	140+	W	LE	15	E	4	0.9
24	**2-8**	**W48**	10	W	BL	30	E	5	0.4
24	**2-8**	**W48**	30	M	BL	20	E	3	0.9
24	**2-8**	**W48**	55	M	LE	12	RP	3	1.0
24	**2-8**	**W48**	85	W	LE	10	E	4	0.6
24	**2-8**	**W48**	140+	G					0.5
25	**2-7**	**W47**	8	M	PO	8	E	2	1.5
25	**2-7**	**W47**	16	M	PO	8	E	2	1.5
25	**2-7**	**W47**	28	M	BL/LE	10	E	2	1.2
25	**2-7**	**W47**	75	M	LE	8	E	3	1.2

Map ID	Peabody ID	Photo ID	Lower Depth	Grade	Type	Size	Fabric	Consistence	SOILpak score
25	**2-7**	**W47**	140+	W	LE	15	RP	5	0.2
26	**3-1**	**W51**	13	W	BL	15	E	3	1.2
26	**3-1**	**W51**	38	M	BL	12	E	2	1.3
26	**3-1**	**W51**	75	M	BL	15	E	4	1.1
26	**3-1**	**W51**	140+	M	BL	15	RP	4	1.0
27	**3-2**	**W52**	10	M	PO/BL	20	E	3	1.2
27	**3-2**	**W52**	50	M	LE	15	E	2	1.1
27	**3-2**	**W52**	70	M	PO/BL	10	E	2	1.3
27	**3-2**	**W52**	140+	W	LE/BL	20	RP	5	0.5
28	**3-3**	**W53**	10	M	PO	10	E	2	1.4
28	**3-3**	**W53**	32	M	LE/BL	15	E	4	0.7
28	**3-3**	**W53**	72	M	LE/BL	12	RP	4	0.9
28	**3-3**	**W53**	80	M	LE/BL	8	RP	3	1.2
28	**3-3**	**W53**	140+	Shale					
29	**4-1**	**W24**	5	S	PO	5	E	2	1.7
29	**4-1**	**W24**	15	M	BL/LE	10	E	3	1.1
29	**4-1**	**W24**	35	S	PO/BL	8	RP	4	1.3
29	**4-1**	**W24**	100	Semi-decomposed Shale					
29	**4-1**	**W24**	110+	Shale					
30	**4-2**	**W22**	7	M	PL	15	E	2	1.4
30	**4-2**	**W22**	25	M	PO/LE	12	E	2	1.2
30	**4-2**	**W22**	65	S	BL/LE	10	RP	3	1.1
30	**4-2**	**W22**	80	M	BL/LE	20	RP	4	0.8
30	**4-2**	**W22**	95+	Shale/Slate					
31	**4-3b**	**W21**	8	M	PO	8	E	2	1.6
31	**4-3b**	**W21**	28	G					1.0
31	**4-3b**	**W21**	90	M	LE/BL	7	RP	5	0.4
31	**4-3b**	**W21**	110+	95% Gravel (Conglomerate)					
32	**4-3**	**W20**	10	M	BL	15	E	3	1.1
32	**4-3**	**W20**	30	W	LE	10	E	3	0.5
32	**4-3**	**W20**	55	W	LE	10	E	3	0.5
32	**4-3**	**W20**	75+	Sandstone/Conglomerate					
33	**4-4**	**W25**	15	M	PO	7	E	2	1.7
33	**4-4**	**W25**	35	M	LE/BL	10	RP	2	1.2
33	**4-4**	**W25**	60	M	LE	7	E	2	1.3
33	**4-4**	**W25**	120	W	LE	7	RP	2	1.0
33	**4-4**	**W25**	130+	95% Gravel					
34	**4-5**	**W23**	12	M	PO	8	E	2	1.6
34	**4-5**	**W23**	40	M	BL/LE	12	E	2	1.5
34	**4-5**	**W23**	60	G					1.5
34	**4-5**	**W23**	100+	95% Gravel					
35	**4-9**	**W19**	10	M	BL/LE	20	E	2	1.0
35	**4-9**	**W19**	22	M	BL/LE	10	E	3	0.8
35	**4-9**	**W19**	57	S	BL/LE	30	RP	5	0.4
35	**4-9**	**W19**	80+	Shale/Slate					
36	**4-6**	**W57**	10	G					1.5
36	**4-6**	**W57**	35	G					1.0
36	**4-6**	**W57**	70	W	LE	15	RP	4	0.5
36	**4-6**	**W57**	140+	W	LE	20	RP	5	0.3
37	**4-7**	**W56**	12	G					1.5
37	**4-7**	**W56**	42	M	PO/LE	12	E	3	1.2
37	**4-7**	**W56**	60	W	LE	8	RP	4	1.0
37	**4-7**	**W56**	130	M	LE/BL	10	RP	4	0.6
37	**4-7**	**W56**	140+	Shale					

Map ID	Peabody ID	Photo ID	Lower Depth	Grade	Type	Size	Fabric	Consistence	SOILpak score
38	**4-10**	**W12**	12	M	PO	8	E	2	1.5
38	**4-10**	**W12**	32	M	LE	12	E	3	0.7
38	**4-10**	**W12**	70	M	BL/LE	15	RP	3	1.0
38	**4-10**	**W12**	140+	M	CO/LE	20	RP	5	0.5
39	**4-8**	**W55**	14	G					1.5
39	**4-8**	**W55**	28	G					1.0
39	**4-8**	**W55**	50	W	BL/LE	12	E	6	0.3
39	**4-8**	**W55**	100+	W	LE	20	RP	5	0.4
40	**4-12**	**W17**	14	E	PO	10	E	3	1.3
40	**4-12**	**W17**	20	E	LE	12	E	4	0.7
40	**4-12**	**W17**	60	RP	CO	25	RP	5	0.4
40	**4-12**	**W17**	90	RP	LE	10	RP	5	0.6
40	**4-12**	**W17**	100+	Shale					
41	**4-11**	**W18**	15	M	BL/LE	15	E	3	0.9
41	**4-11**	**W18**	35	W	BL	15	E	3	0.8
41	**4-11**	**W18**	50	S	CO	25	RP	5	0.4
41	**4-11**	**W18**	60	M	LE/BL	10	RP	5	0.6
41	**4-11**	**W18**	90	M	LE/BL	10	RP	5	0.6
41	**4-11**	**W18**	110+	Coal					
42	**4-13**	**W14**	15	W	BL	25	E	4	0.5
42	**4-13**	**W14**	60	W	LE	15	RP	5	0.3
42	**4-13**	**W14**	130+	W	LE	15	RP	5	0.2
43	**4-14**	**W13**	12	M	PO	8	E	2	1.3
43	**4-14**	**W13**	32	W	LE	10	E	3	0.9
43	**4-14**	**W13**	80	M	LE	15	RP	5	0.4
43	**4-14**	**W13**	105	M	BL/LE	10	RP	4	1.1
43	**4-14**	**W13**	140+	95% Gravel					
44	**4-18**	**W10**	10	M	PO	8	E	2	1.5
44	**4-18**	**W10**	30	M	PO/LE	8	E	3	1.2
44	**4-18**	**W10**	55	S	CO/LE	15	RP	5	0.7
44	**4-18**	**W10**	65	S	CO/BL	25	RP	4	0.8
44	**4-18**	**W10**	120	95% Rock					
44	**4-18**	**W10**	125+	Slate					
45	**4-15**	**W11**	15	M	BL/PO	15	E	4	1.1
45	**4-15**	**W11**	55	M	LE	12	E	3	1.1
45	**4-15**	**W11**	80	S	CO/BL	15	RP	5	0.8
45	**4-15**	**W11**	140+	S	BL/LE	20	RP	5	0.5
46	**4-16**	**W16**	15	M	BL	25	E	2	1.3
46	**4-16**	**W16**	32	M	LE	8	E	2	1.1
46	**4-16**	**W16**	45	M	LE/PO	10	E	2	1.0
46	**4-16**	**W16**	60	M	LE	7	RP	2	1.4
46	**4-16**	**W16**	100	M	PO/LE	8	RP	3	1.1
46	**4-16**	**W16**	140+	M	LE	7	RP	4	0.9
47	**4-17**	**W15**	5	W	BL/LE	20	E	4	0.5
47	**4-17**	**W15**	12	W	BL	15	E	5	0.3
47	**4-17**	**W15**	62	S	CL/BL	15	RP	5	0.3
47	**4-17**	**W15**	130+	M	LE	15	RP	3	1.0
48	**4-19b**	**W9**	8	W	BL	25	E	3	0.9
48	**4-19b**	**W9**	16	W	LE	10	E	3	0.7
48	**4-19b**	**W9**	30	W	BL/LE	8	E	4	0.6
48	**4-19b**	**W9**	75	S	CO/BL	20	RP	5	0.4
48	**4-19b**	**W9**	140+	M	BL/LE/CO	15	RP	4	0.8
49	**4-20**	**W7**	8	M	PO	8	E	3	1.3
49	**4-20**	**W7**	20	W	LE	12	E	4	0.7
49	**4-20**	**W7**	60	W	BL/LE	15	RP	5	0.4
49	**4-20**	**W7**	120	M	CO/LE	15	RP	5	0.5

Map ID	Peabody ID	Photo ID	Lower Depth	Grade	Type	Size	Fabric	Consistence	SOILpak score
49	**4-20**	**W7**	140+						
50	**4-21**	**W8**	10	M	PO	10	E	3	1.3
50	**4-21**	**W8**	35	M	PO	12	RP	3	1.2
50	**4-21**	**W8**	60	M	PO/LE	10	RP	3	1.3
50	**4-21**	**W8**	95	W	LE	15	RP	4	0.8
50	**4-21**	**W8**	140+	W	LE	10	RP	4	1.0
51	**4-28**	**W54**	13	G					0.5
51	**4-28**	**W54**	37	W	LE	15	E	3	0.8
51	**4-28**	**W54**	50	W	BL/LE	8	RP	3	0.9
51	**4-28**	**W54**	110+	W	LE	15	RP	6	0.3
52	**4-22**	**W5**	8	M	PO	10	E	3	1.2
52	**4-22**	**W5**	30	W	BL/LE	15	E	5	0.4
52	**4-22**	**W5**	55	W	PO/LE	15	RP	5	0.6
52	**4-22**	**W5**	65						
52	**4-22**	**W5**	110	W	BL	15	RP	6	0.4
52	**4-22**	**W5**	120+	Shale					
53	**4-23**	**W6**	5	W	PO	8	RP	2	1.4
53	**4-23**	**W6**	20	M	PO	7	RP	2	1.6
53	**4-23**	**W6**	70	95% Rock					
53	**4-23**	**W6**	75+	Pale Shale					
54	**4-24**	**W4**	10	M	LE	8	E	3	1.1
54	**4-24**	**W4**	30	M	PO	12	RP	4	1.2
54	**4-24**	**W4**	65	M	PO/LE	12	RP	4	1.0
54	**4-24**	**W4**	78	M	PH	8	RP	4	1.0
55	**4-25**	**W3**	12	M	PO	15	E	3	1.3
55	**4-25**	**W3**	38	M	LE	10	E	2	1.2
55	**4-25**	**W3**	90	M	BL	30	RP	5	0.3
55	**4-25**	**W3**	120	M	BL	20	RP	5	0.5
55	**4-25**	**W3**	130+	Sandstone Fragments					
56	**4-26**	**W2**	8	G					1.5
56	**4-26**	**W2**	17	G					1.0
56	**4-26**	**W2**	35	G					1.0
56	**4-26**	**W2**	60+	Platey Siltstone					
57	**4-27**	**W1**	5	G					1.0
57	**4-27**	**W1**	15	G					1.0
57	**4-27**	**W1**	38	G					1.0
57	**4-27**	**W1**	70	G					0.5
57	**4-27**	**W1**	90+	Pale Sandstone					
A	G1		15						1.5
A			65						1.5
A			100						
B	G2		12	apedal					1.5
B			50	apedal					1.5
B			100						
C	G3		15	W	BL	30	E	5	0.5
C			40						0.3
C			60						0.3
D	G4		10	M	PO	10	E	2	1.7
D			25	W	BL	30	E	3	0.7
D			70	M	PO	12	E	2	1.4

Map ID	Peabody ID	Photo ID	Depth, cm	pH 1:5 water	pH CaCl2	EC 1:5 dS/m	ECe dS/m	Chloride mg/kg	Exchangeable cations, meq/100g					CEC	ESP	ESI	Ca/Mg	ASWAT score	NO3-N mg/kg	Colwell-P mg/kg	PBI	SO4-S mg/kg	DTPA-Zn mg/kg	DTPA-Cu mg/kg	Boron mg/kg	Org. C %
									Ca	Mg	K	Na	Al													
1	1/2	W30	0 to 5	6.4	5.8	0.09	1.24	14	8	2.6	0.72	0.05	0	11.4	0.4	0.2	3.1	6	19	24	66	6.5	21	1.7	0.79	2.8
1	1/2	W30	5 to 10	5.5	4.5	0.05	0.69	22	2	0.99	0.11	0.1	0.16	3.4	3.0	0.0	2.0	3	13	8	55	5.3	5.2	1.2	0.38	1.1
1	1/2	W30	22 to 30	6.7	5.7	0.12	0.90	120	3.1	5.3	0.07	0.7	0	9.2	7.6	0.0	0.6	5	2.4	3	140	3.5	0.27	1.2	0.75	0.81
1	1/2	W30	40 to 60	8.2	7.5	0.45	3.02	440	3.4	9.1	0.08	2.5	0	15.1	16.6	0.0	0.4	0	2	3	240	62	0.01	0.49	1.3	0.51
1	1/2	W30	60 to 100	8.6	8.1	1.04	6.97	1200	4.2	13	0.07	5.7	0	23.0	24.8	0.0	0.3	0	1.3	3	260	190	0.56	0.43	1.1	0.19
2	1/4	W29	0 to 5	7.3	6.6	0.07	1.59	13	2.7	0.99	0.27	0.01	0	4.0	0.3	0.3	2.7	7	11	11	20	5	7.8	0.28	0.34	0.97
2	1/4	W29	5 to 10	6.8	5.7	0.03	0.68	18	1	0.47	0.07	0.08	0	1.6	4.9	0.0	2.1	9	1.1	3	17	2.8	3.2	0.33	0.16	0.38
2	1/4	W29	15 to 30	7.3	6.3	0.03	0.68	14	0.8	0.52	0.07	0.07	0	1.5	4.8	0.0	1.5	6	1.4	3	13	1.8	1.1	0.43	0.13	0.26
2	1/4	W29	40 to 60	7.2	6.4	0.1	0.86	110	1.3	2.1	0.07	0.39	0	3.9	10.1	0.0	0.6	0	0.3	3	84	15	0.03	0.36	0.41	0.23
2	1/4	W29	60 to 100	6	5.7	0.22	1.89	270	1.9	3.6	0.06	1	0	6.6	15.2	0.0	0.5	0	0.5	3	150	80	0.01	0.14	0.61	0.16
3	1/5	W28	0 to 5																							
3	1/5	W28	5 to 10																							
3	1/5	W28	15 to 30																							
3	1/5	W28	30 to 45																							
4	1/6	W27	0 to 5	7.2	6.6	0.1	1.38	12	6	2.6	0.47	0.03	0	9.1	0.3	0.3	2.3	4	12	26	51	8.3	5.5	0.39	0.49	2.8
4	1/6	W27	5 to 10	6.4	5.5	0.04	0.55	5	2.3	1.1	0.19	0.05	0	3.6	1.4	0.0	2.1	6	4.4	3	35	3.8	1.5	0.51	0.28	1
4	1/6	W27	15 to 30	6.9	5.8	0.04	0.91	23	1.3	0.69	0.13	0.12	0	2.2	5.4	0.0	1.9	10	1.2	3	28	3.7	0.08	0.41	0.14	0.25
4	1/6	W27	40 to 60	6.2	6	0.65	4.36	850	2.7	5.8	0.2	1.8	0.1	10.6	17.0	0.0	0.5	0	0.3	3	190	11	0.01	0.28	0.52	0.35
4	1/6	W27	60 to 100	6.1	5.9	0.53	3.55	840	1.8	5.4	0.1	1.8	0.1	9.2	19.6	0.0	0.3	0	0.3	3	150	6.4	0.01	0.25	0.38	0.19
5	1/7	W26	0 to 5	7	6.5	0.09	1.24	5	5.5	1.7	0.35	0.01	0	7.6	0.1	0.7	3.2	6	13	32	29	5.7	6.4	0.27	0.43	2.4
5	1/7	W26	5 to 10	5.9	5	0.04	0.55	5	1.3	0.42	0.19	0.01	0.1	2.0	0.5	0.1	3.1	8	13	3	27	3	1	0.3	0.21	0.5
5	1/7	W26	15 to 30	6.7	5.8	0.02	0.28	5	0.75	0.2	0.14	0.01	0	1.1	0.9	0.0	3.8	6	5.6	3	18	0.5	0.07	0.08	0.11	0.15
5	1/7	W26	30 to 45	7.4	6.4	0.02	0.28	12	0.6	0.26	0.15	0.03	0	1.0	2.9	0.0	2.3	14	1.7	3	7	1.4	0.01	0.05	0.11	0.1
5	1/7	W26	45 to 60	7.5	6.5	0.05	0.43	29	2.3	1.5	0.35	0.13	0	4.3	3.0	0.0	1.5	13	0.7	3	61	6.8	0.01	0.21	0.38	0.1
5	1/7	W26	60 to 100	7.6	6.8	0.07	0.60	45	2.9	2.5	0.33	0.23	0	6.0	3.9	0.0	1.2	2	0.6	3	110	16	0.01	0.11	0.51	0.1
6	1/8	W31	0 to 5	6.5	5.6	0.03	0.68	5	2.5	0.75	0.11	0.01	0	3.4	0.3	0.1	3.3	8	3.8	3	29	2	1.4	0.16	0.11	1.3
6	1/8	W31	5 to 15	5.9	4.8	0.02	0.45	5	0.65	0.3	0.07	0.01	0.13	1.2	0.9	0.0	2.2	11	2.2	3	24	1.7	0.21	0.12	0.08	0.49
6	1/8	W31	15 to 30	5.4	4.3	0.01	0.23	5	0.2	0.13	0.06	0.01	0.41	0.8	1.2	0.0	1.5	13	1.2	3	30	1	0.07	0.13	0.08	0.35
6	1/8	W31	30 to 60	5.5	4.3	0.01	0.23	5	0.32	0.21	0.06	0.01	0.49	1.1	0.9	0.0	1.5	13	0.8	3	35	0.5	0.09	0.2	0.09	0.3
6	1/8	W31	75 to 100	5.7	4.5	0.01	0.23	5	0.42	0.52	0.07	0.01	0.31	1.3	0.8	0.0	0.8	11	0.8	5	34	0.5	0.01	0.22	0.07	0.1
7	1/9	W33	0 to 5																							
7	1/9	W33	5 to 15																							
7	1/9	W33	15 to 30																							
7	1/9	W33	30 to 52																							
8	1/19	W32	0 to 5	6.7	5.8	0.03	0.68	5	1.5	0.53	0.1	0.01	0	2.1	0.5	0.1	2.8	10	10	8	13	1.7	1.6	0.19	0.09	0.64
8	1/19	W32	5 to 15	5.6	4.6	0.02	0.45	5	0.49	0.23	0.03	0.01	0.1	0.9	1.2	0.0	2.1	8	6.8	3	15	1.1	0.56	0.25	0.04	0.16
8	1/19	W32	15 to 30	5.9	4.8	0.01	0.23	5	0.46	0.21	0.02	0.01	0.1	0.8	1.3	0.0	2.2	8	4.2	3	17	0.5	0.07	0.26	0.03	0.1
8	1/19	W32	30 to 55	6.3	5.2	0.005	0.11	5	0.31	0.14	0.01	0.01	0.1	0.6	1.8	.	2.2	13	1.3	3	15	0.5	0.02	0.11	0.01	0.1
8	1/19	W32	60 to 80	6.1	4.8	0.02	0.17	5	0.55	2.5	0.03	0.1	0.14	3.3	3.0	0.0	0.2	0	2.8	3	66	4.7	0.03	0.18	0.15	0.1
9	1/11	W34	0 to 5	6.8	6.1	0.09	0.77	12	6	2.6	0.51	0.03	0	9.1	0.3	0.3	2.3	4	16	17	49	4.5	4.7	0.77	0.66	2.6
9	1/11	W34	5 to 15	6.2	5.5	0.08	0.69	25	5	4.5	0.24	0.13	0	9.9	1.3	0.1	1.1	2	19	3	120	8.9	0.28	1.6	0.74	1.4

Map ID	Peabody ID	Photo ID	Depth, cm	pH 1:5 water	pH CaCl2	EC 1:5 dS/m	ECe dS/m	Chloride mg/kg	Exchangeable cations, meq/100g					CEC	ESP	ESI	Ca/Mg	ASWAT score	NO3-N mg/kg	Colwell-P mg/kg	PBI	SO4-S mg/kg	DTPA-Zn mg/kg	DTPA-Cu mg/kg	Boron mg/kg	Org. C %
									Ca	Mg	K	Na	Al													
9	1/11	W34	15 to 30	7.1	6.1	0.05	0.43	21	4.8	5.8	0.1	0.28	0	11.0	2.6	0.0	0.8	2	1.5	3	240	6.6	0.04	0.51	0.7	0.81
9	1/11	W34	30 to 60	7.2	6.6	0.22	1.65	200	3.8	7.2	0.08	1	0	12.1	8.3	0.0	0.5	0	1	3	350	96	0.01	0.14	0.74	0.44
9	1/11	W34	60 to 100	7.3	7	0.75	5.63	530	3.2	9.1	0.07	2.8	0	15.2	18.5	0.0	0.4	0	1	3	410	410	0.01	0.1	0.61	0.32
10	1/20	W35	0 to 5	7.5	6.9	0.15	2.07	5	17	2.1	1.1	0.03	0	20.2	0.1	1.0	8.1	4	8.2	14	66	4.1	5.4	0.39	1	3.9
10	1/20	W35	5 to 15	6.1	4.7	0.03	0.41	11	1.2	1.6	0.77	0.03	0.24	3.8	0.8	0.0	0.8	8	3.5	3	50	3.6	0.6	0.41	0.17	0.63
10	1/20	W35	22 to 30	5.4	4.1	0.04	0.38	18	0.37	5.1	0.77	0.22	1.9	8.4	2.6	0.0	0.1	8	0.3	3	130	5.9	0.77	0.58	0.36	0.33
10	1/20	W35	30 to 60	5.2	4.1	0.1	0.86	75	0.15	7	0.58	0.61	1.6	9.9	6.1	0.0	0.0	4	0.3	3	120	17	1.1	0.51	0.22	0.26
10	1/20	W35	60 to 100	5.2	4.5	0.39	3.35	410	0.27	7	0.44	2.1	0.29	10.1	20.8	0.0	0.0	4	0.5	3	49	68	1.3	0.65	0.16	0.17
11	1/12	W36	0 to 5																							
11	1/12	W36	5 to 15																							
11	1/12	W36	15 to 30																							
12	1/14	W38	0 to 5	6.3	5.6	0.13	1.79	13	5.5	2.1	0.9	0.1	0.0	8.6	0.9	0.1	2.6	4	40	48	44	7	5.1	0.41	0.75	3
12	1/14	W38	10 to 15	5.5	4.7	0.06	0.57	16	1.4	0.7	0.2	0.1	0.1	2.6	3.1	0.0	1.9	8	22	3	24	5.3	0.53	0.14	0.18	0.48
12	1/14	W38	15 to 30	6.5	5.5	0.04	0.38	20	1.0	0.7	0.1	0.2	0.0	1.9	9.8	0.0	1.4	16	9.7	3	2	2.2	0.04	0.07	0.1	0.1
12	1/14	W38	30 to 60	7.2	6	0.11	0.95	87	1.3	6.2	0.3	1.2	0.0	9.0	13.3	0.0	0.2	16	2.6	3	44	8.5	0.38	0.5	0.6	0.17
12	1/14	W38	60 to 100	7.8	6.8	0.31	2.67	400	0.8	5.6	0.4	2.6	0.0	9.3	27.8	0.0	0.1	7	1.5	3	38	17	1.2	0.33	0.87	0.1
13	1/13	W37	0 to 5	6.2	5.3	0.08	1.82	17	4.0	1.7	0.8	0.1	0.1	6.7	1.2	0.1	2.4	8	17	29	42	7.7	3.3	0.29	0.53	2.5
13	1/13	W37	5 to 15	5.3	4.5	0.12	2.72	62	3.0	1.4	0.6	0.1	0.1	5.2	2.7	0.0	2.1	8	22	35	57	16	3.7	0.37	0.42	2.7
13	1/13	W37	15 to 30	6	4.7	0.02	0.45	5	0.7	1.3	0.2	0.1	0.2	2.4	2.9	0.0	0.5	10	3.6	3	31	1.6	0.11	0.21	0.14	0.41
13	1/13	W37	30 to 60	6.4	5	0.02	0.45	10	0.3	1.3	0.2	0.1	0.1	1.9	3.7	0.0	0.2	14	1.7	3	12	0.5	0.01	0.16	0.09	0.1
14	1/15	W39	0 to 5	6.6	5.9	0.11	1.05	5	7.0	2.4	1.3	0.0	0.0	10.7	0.4	0.3	2.9	4	23	25	26	7.5	8.8	0.48	0.75	2.8
14	1/15	W39	10 to 15	5.7	4.9	0.08	0.76	10	3.3	1.2	0.5	0.1	0.1	5.1	1.2	0.1	2.8	4	27	3	33	6.6	3	0.44	0.28	0.96
14	1/15	W39	15 to 30	6.4	5.4	0.05	0.48	15	2.6	1.2	0.4	0.1	0.1	4.4	1.4	0.0	2.2	7	11	3	24	4.6	0.53	0.37	0.21	0.42
14	1/15	W39	30 to 45	6.6	5.5	0.03	0.41	11	1.9	1.3	0.3	0.1	0.0	3.6	1.7	0.0	1.5	14	5	3	24	2.6	0.18	0.32	0.17	0.21
14	1/15	W39	45 to 60	6.7	5.6	0.05	0.43	17	2.5	4.7	0.4	0.3	0.0	7.9	4.3	0.0	0.5	15	6.5	3	53	4	0.34	0.57	0.58	0.2
14	1/15	W39	60 to 100	6.6	5.5	0.09	0.77	47	2.3	6.9	0.5	0.7	0.0	10.4	7.1	0.0	0.3	15	1.3	3	68	9.6	0.88	0.71	1.2	0.17
15	1/17	W40	0 to 5	6.1	5.2	0.07	0.97	5	4.8	2.1	1.0	0.0	0.1	8.0	0.4	0.2	2.3	4	9	19	23	4.7	8.7	0.4	0.55	3.8
15	1/17	W40	10 to 15	5.9	4.8	0.03	0.41	5	1.5	0.5	0.4	0.0	0.1	2.5	1.2	0.0	2.8	7	6.4	11	29	4.3	0.35	0.18	0.21	0.7
15	1/17	W40	15 to 30	6.3	5.2	0.03	0.41	5	0.9	0.4	0.3	0.1	0.1	1.8	2.9	0.0	2.1	10	5.3	3	10	2.1	0.03	0.02	0.13	0.1
15	1/17	W40	30 to 60	7.5	6.4	0.14	1.33	74	0.9	3.5	0.3	1.0	0.0	5.7	17.7	0.0	0.3	16	0.8	3	21	35	0.03	0.24	0.4	0.1
15	1/17	W40	60 to 100	7.8	6.7	0.18	1.55	97	0.2	4.3	0.3	1.6	0.0	6.4	25.0	0.0	0.0	16	0.3	5	32	44	0.08	0.24	0.23	0.1
16	1/16	W41	0 to 5	5.8	4.6	0.04	0.38	5	6.0	1.6	1.1	0.0	0.1	8.8	0.5	0.1	3.8	8	3.9	3	54	5.8	6.8	0.28	0.25	2.5
16	1/16	W41	10 to 15	5.8	4.6	0.04	0.38	5	8.0	1.7	0.6	0.1	0.1	10.5	0.5	0.1	4.7	6	6.9	13	58	4.6	7.6	0.32	0.21	2.1
16	1/16	W41	15 to 30	6.2	4.8	0.02	0.19	5	7.0	2.6	0.5	0.1	0.1	10.2	0.6	0.0	2.7	7	2.2	7	70	1	4.3	0.44	0.18	1.5
16	1/16	W41	30 to 60	6.7	5.2	0.02	0.19	5	7.5	4.9	0.5	0.1	0.1	13.1	0.6	0.0	1.5	9	0.8	12	59	0.5	2.7	0.8	0.27	1.4
16	1/16	W41	70 to 100	6.8	5.5	0.03	0.26	14	6.5	4.4	0.6	0.1	0.0	11.6	1.2	0.0	1.5	10	0.3	3	61	6	1.5	0.86	0.29	1.1
17	2/1	W42	0 to 5	6.1	5.1	0.08	1.10	5	9.0	1.7	1.4	0.0	0.1	12.2	0.1	1.0	5.3	8	13	17	56	5	6.4	0.47	0.66	3.5
17	2/1	W42	10 to 15	5.9	4.9	0.04	0.55	12	6.5	1.0	0.5	0.0	0.1	8.1	0.1	0.3	6.6	4	5.8	3	68	2.6	0.68	0.42	0.33	1.5
17	2/1	W42	20 to 30	6.6	5.4	0.02	0.28	5	6.0	1.0	0.4	0.0	0.1	7.5	0.1	0.1	6.1	6	0.9	8	45	0.5	0.07	0.64	0.32	0.84
17	2/1	W42	30 to 60	6.9	6	0.03	0.41	5	4.4	1.1	0.3	0.0	0.0	5.8	0.5	0.1	4.0	8	0.8	3	33	0.5	0.16	0.78	0.27	0.61
17	2/1	W42	70 to 100	7.4	6.2	0.02	0.19	5	4.6	1.7	0.2	0.0	0.0	6.6	0.5	0.0	2.7	11	0.8	3	31	0.5	0.13	0.66	0.3	0.37

Map ID	Peabody ID	Photo ID	Depth, cm	pH 1:5 water	pH CaCl2	EC 1:5 dS/m	ECe dS/m	Chloride mg/kg	Exchangeable cations, meq/100g					CEC	ESP	ESI	Ca/Mg	ASWAT score	NO3-N mg/kg	Colwell-P mg/kg	PBI	SO4-S mg/kg	DTPA-Zn mg/kg	DTPA-Cu mg/kg	Boron mg/kg	Org. C %
									Ca	Mg	K	Na	Al													
18	2/2	W43	0 to 5	6.1	5.2	0.09	0.77	18	6.5	1.5	1.1	0.0	0.1	9.2	0.4	0.2	4.3	8	10	12	50	9.1	7.2	0.44	0.59	3
18	2/2	W43	10 to 15	5.7	4.8	0.04	0.34	11	5.0	0.7	0.3	0.0	0.1	6.1	0.2	0.2	6.9	6	9.2	3	49	2.5	2.2	0.48	0.28	1.6
18	2/2	W43	17 to 30	6.4	5.2	0.02	0.45	5	4.3	0.6	0.3	0.0	0.1	5.3	0.2	0.1	6.9	6	3.6	3	27	0.5	0.82	0.55	0.24	0.73
18	2/2	W43	30 to 60	6.9	5.8	0.01	0.23	5	1.8	0.5	0.1	0.0	0.0	2.4	0.4	0.0	3.8	10	0.9	3	7	0.5	0.11	0.22	0.12	0.1
18	2/2	W43	60 to 70	7.1	6	0.01	0.23	5	1.4	0.5	0.1	0.0	0.0	2.0	0.5	0.0	2.9	10	0.3	3	10	0.5	0.08	0.2	0.09	0.1
19	2/4	W46	0 to 5	6.1	5.3	0.11	2.50	13	6.5	2.1	1.0	0.0	0.1	9.7	0.1	1.1	3.1	4	21	19	27	8.2	8	0.31	0.6	2.6
19	2/4	W46	5 to 15	5.9	5	0.1	2.27	15	3.9	0.9	0.9	0.0	0.1	5.8	0.2	0.6	4.3	8	6.6	6	64	3.8	3	0.33	0.34	2
19	2/4	W46	15 to 30	6.3	5	0.04	0.91	11	4.8	1.0	0.8	0.0	0.1	6.7	0.1	0.3	4.8	7	3.6	3	47	1.4	1.7	0.34	0.32	1.3
19	2/4	W46	30 to 60	6.9	5.6	0.02	0.17	5	5.5	3.2	1.0	0.0	0.0	9.7	0.3	0.1	1.7	6	0.8	3	110	1.3	0.59	0.79	0.51	0.99
19	2/4	W46	60 to 85	6.9	5.5	0.02	0.17	5	2.5	2.5	0.5	0.0	0.0	5.5	0.7	0.0	1.0	14	0.3	3	55	0.5	0.14	0.84	0.51	0.27
19	2/4	W46	85 to 100	6.9	5.5	0.02	0.17	11	2.8	2.6	0.6	0.1	0.1	6.2	1.1	0.0	1.1	14	0.3	3	69	0.5	0.12	0.88	0.73	0.29
20	2/5	W45	0 to 5	6	5.3	0.14	3.18	20	11.0	2.4	1.2	0.0	0.1	14.7	0.1	2.1	4.6	8	35	18	43	12	8.5	0.47	0.66	4.4
20	2/5	W45	10 to 15	6.2	5.2	0.07	1.59	14	9.5	1.2	1.1	0.0	0.1	11.9	0.1	0.8	7.9	6	15	5	52	4.3	3.8	0.56	0.54	2.7
20	2/5	W45	15 to 30	6.8	5.7	0.04	0.91	13	11.0	1.2	0.9	0.0	0.0	13.1	0.1	0.5	9.2	6	3.1	3	52	2.4	0.51	0.53	0.54	2.4
20	2/5	W45	30 to 60	7.1	5.9	0.03	0.68	5	7.5	1.9	0.6	0.0	0.0	10.0	0.1	0.3	3.9	8	1.5	3	40	0.5	0.16	0.57	0.38	1.5
20	2/5	W45	60 to 100	7	5.7	0.02	0.45	12	6.0	3.4	0.3	0.0	0.0	9.8	0.1	0.2	1.8	10	0.8	3	31	0.5	0.35	0.9	0.33	1.2
21	2/6	W44	0 to 5	6.2	5.4	0.12	2.72	12	11.0	3.5	1.7	0.0	0.1	16.3	0.1	2.0	3.1	6	28	16	48	9.1	9.9	0.26	0.68	4.2
21	2/6	W44	10 to 15	5.7	4.7	0.06	1.36	5	8.0	1.6	0.9	0.0	0.1	10.7	0.1	0.6	5.0	6	0.3	5	83	5.5	5.7	0.25	0.45	3
21	2/6	W44	15 to 30	6.3	5.1	0.03	0.68	5	7.5	1.3	0.7	0.0	0.1	9.6	0.1	0.3	5.8	4	5.5	3	51	1.9	0.83	0.19	0.38	2.1
21	2/6	W44	33 to 52	6.8	5.5	0.02	0.45	5	3.3	1.1	0.3	0.0	0.0	4.8	0.2	0.1	3.0	8	1	3	41	0.5	0.22	0.11	0.22	0.58
21	2/6	W44	60 to 73	6.8	5.5	0.03	0.68	5	4.9	2.5	0.9	0.0	0.0	8.3	0.1	0.2	2.0	6	1	3	170	0.5	0.19	0.13	0.29	1.8
21	2/6	W44	73 to 88	7	5.6	0.02	0.45	5	1.7	1.6	0.3	0.0	0.0	3.6	0.3	0.1	1.1	9	0.3	3	26	0.5	0.15	0.09	0.12	0.43
21	2/6	W44	88 to 100	6.8	5.3	0.02	0.19	5	5.5	6.5	0.8	0.0	0.1	12.9	0.1	0.3	0.8	14	0.3	3	71	0.5	3.1	0.41	0.33	2.2
22	2/10	W50	0 to 5	6.6	5.8	0.09	0.77	19	11.0	2.5	1.3	0.0	0.0	14.8	0.1	1.3	4.4	4	14	16	35	5.2	5.4	0.36	0.63	3.7
22	2/10	W50	5 to 15	6.3	5.3	0.06	0.52	29	12.0	2.2	1.2	0.0	0.1	15.5	0.1	0.9	5.5	6	3.3	6	46	4.5	2.5	0.47	0.42	3.3
22	2/10	W50	15 to 30	6.8	5.8	0.04	0.34	17	15.0	3.2	0.9	0.0	0.0	19.1	0.1	0.8	4.7	8	1.2	3	54	2	0.65	0.5	0.46	2.7
22	2/10	W50	30 to 50	7.2	6	0.03	0.26	15	15.0	3.7	0.8	0.0	0.0	19.6	0.1	0.6	4.1	7	0.9	3	51	1.1	0.43	0.44	0.49	2.4
22	2/10	W50	50 to 60	7.5	6.3	0.02	0.28	13	9.0	2.4	0.6	0.0	0.0	12.0	0.1	0.2	3.8	8	0.3	3	30	0.5	0.16	0.32	0.39	1.1
22	2/10	W50	75 to 100	7.7	6.5	0.02	0.17	14	12.0	3.1	0.6	0.0	0.0	15.7	0.1	0.2	3.9	9	0.6	3	47	0.5	0.35	0.36	0.46	1.5
23	2/9	W49	0 to 5	6.2	5.2	0.06	0.83	16	6.5	1.1	0.7	0.0	0.1	8.4	0.1	0.5	5.9	7	9.6	7	21	4	2.7	0.32	0.39	2.2
23	2/9	W49	5 to 15	6.3	5.2	0.04	0.55	5	5.5	0.8	0.6	0.0	0.1	7.0	0.1	0.3	6.7	7	4.7	3	29	2.4	0.43	0.25	0.32	1.3
23	2/9	W49	15 to 30	6.7	5.5	0.03	0.41	14	5.5	0.8	0.5	0.0	0.0	6.8	0.1	0.2	6.9	10	1.6	5	19	1.2	0.14	0.21	0.25	1.1
23	2/9	W49	30 to 50	7.2	5.9	0.02	0.28	5	5.5	0.9	0.5	0.0	0.0	6.9	0.1	0.1	6.0	10	0.9	3	21	0.5	0.09	0.2	0.27	0.84
23	2/9	W49	50 to 60	7.5	6.3	0.02	0.19	17	4.5	1.1	0.3	0.0	0.0	6.0	0.2	0.1	4.1	11	0.6	3	21	0.5	0.08	0.28	0.27	0.52
23	2/9	W49	70 to 100	7.8	6.6	0.02	0.19	15	2.9	1.4	0.3	0.0	0.0	4.6	0.7	0.0	2.1	11	0.3	3	32	0.5	0.06	0.23	0.33	0.15
24	2/8	W48	0 to 5	6.2	5.4	0.09	0.77	13	11.0	2.1	1.1	0.0	0.1	14.3	0.1	0.6	5.2	6	14	15	52	6.2	5.8	0.73	0.7	3.8
24	2/8	W48	5 to 15	6.5	5.5	0.05	0.43	17	11.0	1.9	1.1	0.0	0.0	14.0	0.1	0.7	5.8	2	6.3	3	62	2.8	1.1	0.79	0.64	2.5
24	2/8	W48	15 to 30	6.8	5.7	0.03	0.26	13	10.0	1.6	0.8	0.0	0.0	12.4	0.1	0.4	6.3	4	2.1	3	56	1.4	0.43	0.84	0.53	1.6
24	2/8	W48	30 to 55	7.2	6	0.03	0.26	12	7.0	1.2	0.4	0.0	0.0	8.6	0.1	0.3	5.8	10	0.9	3	46	0.5	0.19	0.73	0.38	0.65
24	2/8	W48	60 to 85	7.6	6.3	0.02	0.28	13	4.0	0.9	0.2	0.0	0.0	5.1	0.2	0.1	4.4	12	0.3	7	29	0.5	0.1	0.47	0.3	0.2
24	2/8	W48	85 to 100	7.6	6.4	0.02	0.45	12	4.5	0.9	0.2	0.0	0.0	5.6	0.2	0.1	4.9	12	0.3	11	33	0.5	0.12	0.48	0.29	0.26

Map ID	Peabody ID	Photo ID	Depth, cm	pH 1:5 water	pH CaCl2	EC 1:5 dS/m	ECe dS/m	Chloride mg/kg	Exchangeable cations, meq/100g					CEC	ESP	ESI	Ca/Mg	ASWAT score	NO3-N mg/kg	Colwell-P mg/kg	PBI	SO4-S mg/kg	DTPA-Zn mg/kg	DTPA-Cu mg/kg	Boron mg/kg	Org. C %
									Ca	Mg	K	Na	Al													
25	2/7	W47	0 to 5	5.9	5.1	0.13	1.79	28	11.0	1.9	1.6	0.0	0.1	14.6	0.1	1.9	5.8	4	30	50	42	10	18	0.8	0.79	5.1
25	2/7	W47	5 to 15	6.3	5.2	0.05	0.69	16	9.0	1.2	0.9	0.0	0.1	11.2	0.1	0.6	7.5	4	11	6	47	3	4.5	0.72	0.46	2.4
25	2/7	W47	16 to 28	6.8	5.6	0.03	0.41	13	8.0	1.2	0.6	0.0	0.0	9.9	0.1	0.3	6.7	7	1.7	3	42	1	1.6	1.2	0.4	1.4
25	2/7	W47	30 to 60	7.2	6	0.02	0.19	13	10.0	2.2	0.8	0.0	0.0	13.0	0.1	0.3	4.5	8	1.2	3	56	0.5	1.2	0.76	0.51	1.8
25	2/7	W47	75 to 100	7.6	6.3	0.02	0.17	13	2.8	1.2	0.3	0.0	0.0	4.3	0.9	0.0	2.3	14	0.3	3	19	0.5	0.36	0.52	0.38	0.22
26	3/1	W51	0 to 5	6.2	5.3	0.07	0.97	12	6.5	1.4	1.1	0.0	0.1	9.1	0.1	0.6	4.6	5	9.5	18	30	4.3	7.7	0.6	0.62	2.7
26	3/1	W51	5 to 13	6.1	5	0.04	0.55	11	4.2	0.7	0.6	0.0	0.1	5.6	0.2	0.2	5.8	6	6.2	9	39	2.2	0.7	0.62	0.34	0.99
26	3/1	W51	15 to 30	6.5	5.3	0.03	0.29	13	4.4	0.8	0.5	0.0	0.1	5.8	0.2	0.2	5.7	8	1.6	9	40	1.8	0.33	0.68	0.37	0.76
26	3/1	W51	38 to 60	6.8	5.5	0.02	0.19	5	2.6	1.2	0.4	0.0	0.0	4.2	0.2	0.1	2.2	10	0.6	10	31	0.5	0.12	0.84	0.28	0.32
26	3/1	W51	75 to 100	7.2	5.9	0.02	0.17	5	3.6	2.4	0.3	0.1	0.0	6.3	0.8	0.0	1.5	7	0.3	7	49	0.5	0.12	0.78	0.44	0.44
27	3/2	W52	0 to 5																							
27	3/2	W52	5 to 13																							
27	3/2	W52	15 to 30																							
27	3/2	W52	30 to 50																							
27	3/2	W52	70 to 100																							
28	3/3	W53	0 to 5	5.8	4.9	0.08	0.8	13	5.0	2.7	1.4	0.0	0.1	9.2	0.3	0.2	1.9	4	15	18	85	7.8	12	0.73	0.55	3.5
28	3/3	W53	5 to 10	5.8	4.7	0.05	0.5	5	3.8	1.9	1.2	0.0	0.1	7.1	0.4	0.1	2.0	4	11	14	120	5.3	6.1	1.1	0.44	2
28	3/3	W53	10 to 30	6.2	4.9	0.02	0.2	11	2.5	2.0	0.4	0.1	0.1	5.1	1.6	0.0	1.3	11	1	6	71	2	0.36	0.89	0.48	0.63
28	3/3	W53	32 to 60	5.9	4.5	0.03	0.2	14	1.8	5.0	0.3	0.3	1.0	8.4	3.6	0.0	0.4	13	0.3	8	120	1.6	0.53	1.5	0.64	0.45
28	3/3	W53	72 to 80	6	4.6	0.05	0.4	19	0.7	5.4	0.2	0.5	0.6	7.4	6.5	0.0	0.1	16	0.3	8	65	8.8	0.71	2.5	0.44	0.43
29	4/1	W24	0 to 5																							
29	4/1	W24	5 to 15																							
29	4/1	W24	15 to 30																							
29	4/1	W24	30 to 60																							
30	4/2	W22	0 to 5	5.5	4.8	0.19	4.31	71	2.1	1.1	1.2	0.1	0.1	4.6	1.5	0.1	1.9	8	46	13	26	18	7.1	0.36	0.49	2.4
30	4/2	W22	5 to 10	5	4.1	0.05	1.14	17	0.6	0.4	0.4	0.0	0.8	2.2	0.9	0.1	1.5	8	12	3	41	7.1	1	0.17	0.17	0.67
30	4/2	W22	15 to 25	5.4	4.3	0.03	0.68	5	0.7	0.5	0.3	0.0	0.6	2.1	0.5	0.1	1.3	8	4.6	3	26	3.5	0.66	0.08	0.16	0.31
30	4/2	W22	30 to 60	6	4.5	0.03	0.26	5	1.4	4.7	0.2	0.2	0.8	7.3	3.3	0.0	0.3	10	1.4	3	87	3.4	0.18	0.47	0.21	0.29
30	4/2	W22	65 to 80	7	5.6	0.05	0.43	5	1.0	5.1	0.2	0.5	0.1	6.9	7.0	0.0	0.2	13	0.8	3	33	6	0.47	0.93	0.11	0.16
31	4/3b	W21	0 to 5																							
31	4/3b	W21	5 to 15																							
31	4/3b	W21	15 to 28																							
31	4/3b	W21	30 to 60																							
31	4/3b	W21	60 to 90																							
32	4/3	W20	0 to 5																							
32	4/3	W20	5 to 15																							
32	4/3	W20	15 to 30																							
32	4/3	W20	30 to 60																							
33	4/4	W25	0 to 5	5.5	4.9	0.26	3.59	65	6.5	2.6	1.1	0.2	0.1	10.5	1.9	0.1	2.5	4	72	20	70	29	14	0.9	0.74	3.9
33	4/4	W25	5 to 10	5.4	4.5	0.07	0.97	11	4.2	1.6	0.5	0.1	0.2	6.6	1.7	0.0	2.6	2	23	8	92	7.2	3.9	0.79	0.46	2.1
33	4/4	W25	15 to 30	6.5	5.3	0.04	0.34	12	5.5	3.0	0.3	0.2	0.1	9.1	1.7	0.0	1.8	6	7.5	3	63	3.4	1	1	0.49	1.4

Map ID	Peabody ID	Photo ID	Depth, cm	pH 1:5 water	pH CaCl2	EC 1:5 dS/m	ECe dS/m	Chloride mg/kg	Exchangeable cations, meq/100g					CEC	ESP	ESI	Ca/Mg	ASWAT score	NO3-N mg/kg	Colwell-P mg/kg	PBI	SO4-S mg/kg	DTPA-Zn mg/kg	DTPA-Cu mg/kg	Boron mg/kg	Org. C %
									Ca	Mg	K	Na	Al													
33	4/4	W25	35 to 60	6.9	5.6	0.03	0.41	5	3.4	3.0	0.2	0.1	0.0	6.7	2.1	0.0	1.1	9	2.6	3	52	2.5	0.25	0.79	0.42	0.66
33	4/4	W25	60 to 100	7	5.9	0.07	0.60	29	1.4	3.0	0.1	0.4	0.0	4.9	8.0	0.0	0.5	14	1.9	3	48	19	0.82	0.63	0.53	0.26
34	4/5	W23	0 to 5																							
34	4/5	W23	5 to 15																							
34	4/5	W23	15 to 30																							
34	4/5	W23	40 to 60																							
35	4/9	W19	0 to 5																							
35	4/9	W19	5 to 10																							
35	4/9	W19	10 to 15																							
35	4/9	W19	15 to 20																							
35	4/9	W19	30 to 60																							
36	4/6	W57	0 to 5	6.2	5.1	0.05	1.14	5	2.8	1.4	0.6	0.1	0.1	5.0	2.6	0.0	2.0	8	2.5	14	44	5.5	2.3	0.39	0.46	2.3
36	4/6	W57	5 to 10	6.9	5.2	0.04	0.91	12	1.0	0.8	0.3	0.4	0.1	2.5	15.0	0.0	1.3	10	1	11	28	5.2	0.3	0.22	0.27	0.62
36	4/6	W57	15 to 30	7.4	5.8	0.05	1.14	28	0.5	0.5	0.2	0.4	0.0	1.5	27.6	0.0	0.9	12	0.8	11	17	7.5	0.07	0.09	0.18	0.22
36	4/6	W57	35 to 60	7.3	6.1	0.3	2.58	180	0.9	2.8	0.2	3.1	0.0	7.0	44.5	0.0	0.3	16	0.3	3	52	77	0.03	0.55	0.92	0.17
36	4/6	W57	70 to 100	5.9	4.5	0.22	1.89	120	0.6	2.6	0.1	2.5	0.4	6.2	40.5	0.0	0.2	6	0.3	3	60	68	0.03	0.34	0.91	0.1
37	4/7	W56	0 to 5																							
37	4/7	W56	5 to 12																							
37	4/7	W56	15 to 30																							
37	4/7	W56	30 to 42																							
37	4/7	W56	42 to 60																							
37	4/7	W56	60 to 100																							
38	4/10	W12	0 to 5	6.4	5.5	0.06	0.83	5	4.8	1.6	1.0	0.0	0.0	7.4	0.1	0.4	3.0	6	6.7	8	28	2.9	5.3	0.55	0.58	2.1
38	4/10	W12	5 to 15	6.7	5.7	0.05	0.69	5	3.7	1.2	0.8	0.0	0.0	5.7	0.2	0.3	3.1	7	5.7	3	32	2.1	1.7	0.62	0.41	1
38	4/10	W12	15 to 30	7	5.8	0.02	0.19	5	2.2	1.2	0.5	0.0	0.0	3.9	0.3	0.1	1.8	9	0.5	3	37	0.5	0.16	0.52	0.23	0.3
38	4/10	W12	30 to 60	6.8	5.7	0.03	0.26	17	2.0	2.6	0.4	0.1	0.0	5.0	1.0	0.0	0.8	6	0.3	3	59	1.3	0.09	0.43	0.27	0.18
38	4/10	W12	70 to 100	7	6.3	0.19	1.63	240	2.0	5.5	0.5	0.7	0.0	8.7	7.5	0.0	0.4	2	0.3	3	120	3.3	0.11	0.29	0.5	0.1
39	4/8	W55	0 to 5	5.7	4.9	0.09	2.04	19	3.8	1.2	0.8	0.0	0.1	5.9	0.5	0.2	3.2	7	18	15	31	8.1	7.6	0.49	0.45	3.4
39	4/8	W55	5 to 14	5.8	4.7	0.05	1.14	22	1.4	0.5	0.5	0.0	0.1	2.5	1.2	0.0	3.0	8	5.3	13	37	5	1.3	0.34	0.22	1.1
39	4/8	W55	15 to 28	6.2	4.9	0.02	0.45	5	1.0	0.4	0.3	0.0	0.1	1.8	0.6	0.0	2.5	12	2	8	23	1.3	0.22	0.13	0.15	0.25
39	4/8	W55	30 to 50	6.7	5.5	0.02	0.19	5	0.9	0.6	0.3	0.0	0.0	1.8	0.6	0.0	1.6	16	1.1	8	17	0.5	0.04	0.13	0.17	0.1
39	4/8	W55	60 to 100	7.4	6.4	0.05	0.43	27	3.4	4.9	0.7	0.2	0.0	9.2	2.1	0.0	0.7	12	0.8	13	56	3.2	0.01	0.48	0.57	0.18
40	4/12	W17	0 to 5	5.9	5	0.09	1.24	12	4.1	1.9	1.0	0.1	0.1	7.2	0.7	0.1	2.2	7	15	28	34	6.5	8.9	0.46	0.59	3.4
40	4/12	W17	5 to 15	5.9	4.8	0.04	0.55	17	1.2	1.2	0.4	0.1	0.1	3.0	2.0	0.0	1.0	7	5	3	29	3	0.62	0.25	0.23	0.69
40	4/12	W17	15 to 20	6.2	4.9	0.03	0.26	14	0.9	1.2	0.3	0.1	0.1	2.5	2.8	0.0	0.7	11	3.7	3	16	1.9	0.21	0.13	0.18	0.33
40	4/12	W17	20 to 30	6.3	5.2	0.08	0.54	59	1.3	6.9	0.5	0.5	0.1	9.4	5.6	0.0	0.2	14	0.8	3	64	5.1	0.06	0.48	0.37	0.39
40	4/12	W17	30 to 60	6.5	5.5	0.12	0.80	93	1.3	8.1	0.4	0.9	0.0	10.7	8.1	0.0	0.2	15	0.3	3	62	15	0.15	0.55	0.3	0.3
40	4/12	W17	60 to 90	6.7	6.1	0.48	4.13	360	0.8	7.8	0.3	2.4	0.0	11.3	21.3	0.0	0.1	14	0.3	3	33	150	1.1	0.72	0.12	0.1
41	4/11	W18	0 to 5	5.7	4.8	0.07	1.59	12	3.2	0.8	0.6	0.0	0.1	4.7	0.6	0.1	4.0	5	7.1	23	18	10	5.5	0.38	0.37	2.6
41	4/11	W18	5 to 15	5.8	4.6	0.03	0.68	10	0.9	0.4	0.4	0.0	0.2	1.9	1.6	0.0	2.3	10	2.3	3	20	5.2	0.37	0.19	0.15	0.41
41	4/11	W18	15 to 30	6.4	5.1	0.02	0.45	5	1.0	0.6	0.3	0.0	0.1	2.0	1.5	0.0	1.8	12	1.1	3	16	2.4	0.24	0.14	0.14	0.22

Map ID	Peabody ID	Photo ID	Depth, cm	pH 1:5 water	pH CaCl2	EC 1:5 dS/m	ECe dS/m	Chloride mg/kg	Exchangeable cations, meq/100g					CEC	ESP	ESI	Ca/Mg	ASWAT score	NO3-N mg/kg	Colwell-P mg/kg	PBI	SO4-S mg/kg	DTPA-Zn mg/kg	DTPA-Cu mg/kg	Boron mg/kg	Org. C %
									Ca	Mg	K	Na	Al													
41	4/11	W18	35 to 60	7.6	6.4	0.05	0.34	24	3.0	6.1	0.6	0.4	0.0	10.1	4.3	0.0	0.5	15	0.3	3	92	5.8	0.03	0.35	0.45	0.24
41	4/11	W18	60 to 90	8.2	7.1	0.09	0.68	41	3.7	9.9	0.7	0.9	0.0	15.3	6.0	0.0	0.4	10	0.3	3	150	11	0.02	0.42	0.5	0.32
42	4/13	W14	0 to 5	6	5.2	0.09	1.24	5	6.0	2.1	1.0	0.0	0.1	9.2	0.3	0.3	2.9	6	12	20	44	5.9	12	0.6	0.84	4.7
42	4/13	W14	5 to 15	6.4	5.2	0.06	0.83	21	3.0	1.9	0.5	0.2	0.1	5.7	4.2	0.0	1.6	10	7.6	3	47	4.5	0.96	0.43	0.39	0.66
42	4/13	W14	15 to 30	7.1	6	0.05	0.43	23	3.3	3.6	0.4	0.3	0.0	7.7	4.3	0.0	0.9	16	1.9	3	40	3.2	0.06	0.5	0.41	0.23
42	4/13	W14	30 to 60	7.7	6.5	0.07	0.60	42	3.2	5.7	0.5	0.6	0.0	10.0	6.1	0.0	0.6	15	1.2	3	47	7.2	0.07	0.45	0.44	0.16
42	4/13	W14	60 to 100	7.8	6.8	0.16	1.38	140	1.6	4.7	0.4	1.1	0.0	7.8	14.2	0.0	0.3	14	0.9	3	54	16	0.08	0.27	0.29	0.1
43	4/14	W13	0 to 5	6	5	0.05	0.69	5	3.1	0.8	0.8	0.0	0.1	4.9	0.6	0.1	3.8	7	3.7	31	43	7	2.5	0.27	0.4	1.6
43	4/14	W13	5 to 15	6	5.1	0.04	0.55	5	2.0	0.9	0.4	0.0	0.1	3.4	1.2	0.0	2.2	8	7.2	3	26	6.7	0.24	0.12	0.23	0.35
43	4/14	W13	15 to 30	6.3	5.2	0.04	0.55	12	1.5	1.0	0.3	0.1	0.1	3.0	3.3	0.0	1.5	14	2.2	3	22	8.6	0.01	0.04	0.15	0.15
43	4/14	W13	32 to 60	5.6	4.4	0.12	1.03	97	1.1	6.4	0.5	1.0	0.4	9.4	10.7	0.0	0.2	13	0.3	3	70	13	0.01	0.28	0.28	0.16
43	4/14	W13	60 to 100	5.7	4.8	0.3	2.58	310	0.6	6.2	0.4	2.4	0.1	9.7	24.8	0.0	0.1	15	0.3	3	30	34	0.16	0.76	0.21	0.1
44	4/18	W10	0 to 5																							
44	4/18	W10	5 to 15																							
44	4/18	W10	15 to 30																							
44	4/18	W10	30 to 55																							
44	4/18	W10	60 to 100																							
45	4/15	W11	0 to 5	6.5	5.9	0.12	1.66	13	9.5	2.2	1.5	0.0	0.0	13.2	0.2	0.8	4.3	6	15	27	34	7.6	11	0.68	0.97	4
45	4/15	W11	5 to 15	6.3	5.2	0.07	0.97	14	4.1	1.0	1.4	0.0	0.1	6.6	0.5	0.2	4.1	6	14	13	35	3.3	2.8	0.68	0.38	0.89
45	4/15	W11	15 to 30	6	4.8	0.04	0.38	15	3.6	0.8	0.8	0.0	0.1	5.3	0.2	0.2	4.7	7	6.6	3	23	1.5	1	0.72	0.3	0.48
45	4/15	W11	30 to 55	6.7	5.5	0.02	0.19	13	3.9	0.9	0.3	0.0	0.0	5.1	0.6	0.0	4.3	10	0.7	3	21	0.5	0.04	0.6	0.21	0.2
45	4/15	W11	60 to 100	8	7	0.05	0.43	26	7.0	4.7	0.4	0.2	0.0	12.3	1.5	0.0	1.5	10	0.3	3	58	3.5	0.24	0.89	0.61	0.2
46	4/16	W16	0 to 5																							
46	4/16	W16	5 to 15																							
46	4/16	W16	15 to 30																							
46	4/16	W16	32 to 45																							
46	4/16	W16	45 to 60																							
47	4/17	W15	0 to 5	6	5.1	0.08	1.10	5	7.5	2.2	1.1	0.0	0.1	10.9	0.1	0.9	3.4	7	11	25	33	4.6	15	0.64	0.64	5
47	4/17	W15	5 to 15	6	5.1	0.1	1.38	27	3.2	1.5	0.7	0.1	0.1	5.6	1.3	0.1	2.1	8	33	3	31	6.5	0.98	0.4	0.31	0.87
47	4/17	W15	15 to 30	7.4	6.4	0.07	0.53	25	4.7	6.4	0.6	0.4	0.0	12.1	3.1	0.0	0.7	10	11	3	63	3.3	0.01	0.85	0.52	0.31
47	4/17	W15	30 to 60	8	6.9	0.09	0.68	56	4.6	7.8	0.5	1.0	0.0	13.8	6.9	0.0	0.6	15	0.8	3	79	6.2	0.01	0.79	0.52	0.27
47	4/17	W15	60 to 100	8.3	7.3	0.17	1.46	140	2.3	5.3	0.3	1.3	0.0	9.2	14.1	0.0	0.4	15	1	3	48	17	0.08	0.27	0.35	0.1
48	4/19B	W9	0 to 5	6.4	5.2	0.04	0.55	5	3.8	1.2	1.0	0.0	0.1	6.1	0.5	0.1	3.2	10	3.8	16	44	2	4.9	0.33	0.41	1.5
48	4/19B	W9	5 to 15	6.4	5.5	0.04	0.55	15	4.2	1.1	0.6	0.1	0.0	5.9	0.8	0.0	3.8	7	7.3	8	38	2.9	1.2	0.36	0.25	0.72
48	4/19B	W9	15 to 30	7.3	6.2	0.02	0.28	14	2.1	1.0	0.4	0.1	0.0	3.5	1.7	0.0	2.1	14	0.6	11	27	1.1	0.16	0.07	0.16	0.18
48	4/19B	W9	30 to 60	8.2	7	0.07	0.53	37	5.5	7.2	0.6	0.7	0.0	14.0	4.6	0.0	0.8	15	0.3	3	85	1.9	0.01	0.25	0.51	0.1
48	4/19B	W9	60 to 100	8.5	7.6	0.16	1.38	140	3.7	7.2	0.5	1.2	0.0	12.6	9.5	0.0	0.5	13	0.3	13	88	5.2	0.03	0.31	0.46	0.1
49	4/20	W7	0 to 5	5.5	4.7	0.09	0.86	5	7.0	1.5	1.2	0.0	0.2	9.9	0.2	0.4	4.7	6	15	190	91	7.6	14	0.82	0.51	4.2
49	4/20	W7	8 to 15	6.4	5.4	0.04	0.38	14	3.7	1.9	0.6	0.1	0.1	6.4	0.9	0.0	1.9	14	5.8	15	35	1.9	0.9	0.24	0.28	0.65
49	4/20	W7	15 to 20	7.5	6.5	0.06	0.57	24	6.0	8.2	0.7	0.3	0.0	15.2	2.0	0.0	0.7	13	1.7	3	68	4.3	0.1	0.79	0.33	0.25
49	4/20	W7	30 to 60	7.9	6.9	0.09	0.77	48	6.0	9.9	0.7	0.6	0.0	17.2	3.6	0.0	0.6	9	1	13	89	7.9	0.43	1	0.32	0.32

Map ID	Peabody ID	Photo ID	Depth, cm	pH 1:5 water	pH CaCl2	EC 1:5 dS/m	ECe dS/m	Chloride mg/kg	Exchangeable cations, meq/100g					CEC	ESP	ESI	Ca/Mg	ASWAT score	NO3-N mg/kg	Colwell-P mg/kg	PBI	SO4-S mg/kg	DTPA-Zn mg/kg	DTPA-Cu mg/kg	Boron mg/kg	Org. C %
									Ca	Mg	K	Na	Al													
49	4/20	W7	60 to 100	8.5	8	0.43	3.70	410	4.3	11.0	0.6	2.1	0.0	18.0	11.7	0.0	0.4	2	0.6	3	110	73	0.03	0.45	0.19	0.16
50	4/21	W8	0 to 5	6.7	6.1	0.11	1.05	12	13.0	2.4	1.4	0.0	0.0	16.8	0.1	1.8	5.4	2	15	30	50	6.3	7.9	0.58	0.84	5.2
50	4/21	W8	5 to 15	6.6	5.5	0.05	0.48	12	8.5	1.2	1.0	0.0	0.0	10.7	0.1	0.5	7.1	3	3.5	10	42	2.7	0.69	0.37	0.49	1.9
50	4/21	W8	15 to 30	7	5.8	0.03	0.29	5	9.0	1.1	0.8	0.0	0.0	10.9	0.1	0.3	8.2	7	1.1	14	48	1.1	0.09	0.34	0.34	1.5
50	4/21	W8	30 to 60	7.3	6	0.02	0.17	5	6.5	2.1	0.5	0.0	0.0	9.1	0.3	0.1	3.1	7	0.3	11	41	0.5	0.01	0.48	0.28	0.95
50	4/21	W8	60 to 100	7.8	6.5	0.02	0.17	5	3.4	1.5	0.5	0.0	0.0	5.5	0.4	0.1	2.3	14	0.3	3	45	0.5	0.01	0.45	0.32	0.21
51	4/28	W54	0 to 5	6.2	5.1	0.04	0.91	11	3.0	1.1	0.4	0.0	0.1	4.6	0.6	0.1	2.7	10	0.6	3	35	2.6	1	0.24	0.38	2
51	4/28	W54	5 to 13	5.9	4.6	0.02	0.45	10	0.6	0.6	0.3	0.0	0.2	1.8	0.6	0.0	0.9	12	0.6	10	25	0.5	0.25	0.16	0.17	0.42
51	4/28	W54	15 to 30	5.9	4.3	0.01	0.14	5	0.1	0.6	0.2	0.0	0.3	1.3	3.0	0.0	0.2	15	0.3	3	21	0.5	0.11	0.16	0.12	0.16
51	4/28	W54	37 to 50	5.8	4.3	0.04	0.34	36	0.1	2.3	0.3	0.3	0.4	3.5	9.0	0.0	0.1	16	0.3	3	34	2	0.3	0.43	0.14	0.23
51	4/28	W54	60 to 100	5.1	4.3	0.31	2.33	310	0.2	7.7	0.5	2.1	0.9	11.4	18.4	0.0	0.0	2	0.3	7	87	43	1	0.59	0.21	0.17
52	4/22	W5	0 to 5	5.6	4.7	0.1	0.95	13	5.5	2.0	1.3	0.0	0.1	8.9	0.4	0.2	2.8	7	13	28	76	9.2	11	0.94	0.62	5
52	4/22	W5	8 to 15	6.1	5.1	0.05	0.48	12	4.0	1.7	0.5	0.0	0.1	6.3	0.5	0.1	2.4	5	10	9	50	2.9	1.8	0.53	0.32	0.8
52	4/22	W5	15 to 30	6.4	5.4	0.04	0.38	14	2.7	1.6	0.3	0.1	0.1	4.8	1.1	0.0	1.7	13	11	3	32	1.6	0.33	0.29	0.22	0.32
52	4/22	W5	30 to 55	7.9	6.8	0.08	0.69	31	4.2	9.9	0.3	0.7	0.0	15.2	4.9	0.0	0.4	14	2.8	8	67	3.1	0.13	0.38	0.16	0.1
52	4/22	W5	60 to 100	8.2	7.1	0.13	1.12	71	2.9	9.9	0.3	1.3	0.0	14.4	9.0	0.0	0.3	15	0.3	3	58	9.5	0.29	0.4	0.1	0.1
53	4/23	W6	0 to 5																							
53	4/23	W6	5 to 15																							
54	4/24	W4	0 to 5	5.7	4.8	0.08	0.69	5	7.5	1.2	1.1	0.0	0.1	9.9	0.1	0.8	6.3	6	10	20	58	6.7	16	0.94	0.59	4.3
54	4/24	W4	5 to 15	6.2	5.2	0.07	0.60	16	6.0	0.9	1.1	0.0	0.1	8.1	0.1	0.6	6.6	6	17	14	49	3.6	3.2	0.55	0.47	1.1
54	4/24	W4	15 to 30	6.7	5.5	0.03	0.26	5	6.0	1.1	0.7	0.0	0.0	7.8	0.1	0.2	5.5	11	2.3	3	46	2	0.64	0.53	0.39	0.49
54	4/24	W4	30 to 60	8.2	7.2	0.05	0.43	5	11.0	2.7	0.6	0.1	0.0	14.3	0.3	0.1	4.1	11	0.9	3	94	1.9	0.27	1.5	0.59	0.31
54	4/24	W4	60 to 80	8.4	7.6	0.06	0.52	5	10.0	2.9	0.4	0.1	0.0	13.4	0.5	0.1	3.4	7	1.1	3	100	2.3	0.29	0.75	0.58	0.24
55	4/25	W3	0 to 5	5.9	5	0.1	1.38	5	8.5	1.5	1.8	0.0	0.1	11.9	0.1	1.2	5.7	6	19	25	37	6.7	15	0.81	0.67	4
55	4/25	W3	5 to 15	5.8	4.9	0.08	1.10	13	6.5	1.0	1.0	0.0	0.1	8.6	0.1	0.7	6.6	4	21	8	38	3.6	3	0.43	0.37	1.2
55	4/25	W3	15 to 30	6.4	5.2	0.03	0.41	10	4.8	0.8	0.7	0.0	0.1	6.4	0.2	0.2	6.3	8	4.2	8	28	1.8	0.38	0.38	0.25	0.46
55	4/25	W3	30 to 60	6.8	5.7	0.04	0.34	5	8.0	3.5	0.7	0.1	0.0	12.3	0.9	0.0	2.3	14	1.5	3	49	2	0.2	0.71	0.24	0.2
55	4/25	W3	60 to 100	7	5.8	0.04	0.34	11	7.0	3.9	0.4	0.2	0.0	11.5	2.0	0.0	1.8	13	1.1	13	44	2.8	0.41	0.73	0.13	0.15
56	4/26	W2	0 to 5																							
56	4/26	W2	5 to 15																							
56	4/26	W2	15 to 30																							
57	4-27	W1	0 to 5																							
57	4-27	W1	5 to 15																							
57	4-27	W1	15 to 30																							
57	4-27	W1	38 to 60																							
A		W G1	0 to 5	6	4.9	0.02	0.5	5	0.9	0.23	0.12	0.01	0.1	1.4	0.7	0.03	3.9		5.2	14	13	2.1	2.7	0.15	0.14	0.69
A		W G1	5 to 15	6.7	5.1	0.02	0.5	5	0.24	0.11	0.2	0.01	0.1	0.7	1.5	0.01	2.2		2.4	8	14	1.6	0.66	0.14	0.12	0.24
A		W G1	15 to 30	6.7	5	0.01	0.2	5	0.15	0.04	0.15	0.01	0.1	0.5	2.2	0	3.8		1.5	7	11	1.2	0.33	0.08	0.09	0.1
A		W G1	30 to 60	6.3	5.3	0.01	0.2	5	0.19	0.04	0.05	0.01	0.1	0.4	2.6	0	4.8		0.9	7	12	1	0.08	0.04	0.08	0.1
A		W G1	65 to 100	6.1	5	0.01	0.1	5	1	0.72	0.15	0.01	0.1	2	0.5	0.02	1.4		0.7	10	53	0.5	0.04	0.19	0.17	0.1
B		W G2	0 to 5	5.5	4.5	0.05	1.1	12	3	0.54	0.29	0.03	0.23	4.1	0.7	0.07	5.6		5.7	17	36	3.5	1.8	0.17	0.46	2.4

Map ID	Peabody ID	Photo ID	Depth, cm	pH 1:5 water	pH CaCl2	EC 1:5 dS/m	ECe dS/m	Chloride mg/kg	Exchangeable cations, meq/100g					CEC	ESP	ESI	Ca/Mg	ASWAT score	NO3-N mg/kg	Colwell-P mg/kg	PBI	SO4-S mg/kg	DTPA-Zn mg/kg	DTPA-Cu mg/kg	Boron mg/kg	Org. C %
									Ca	Mg	K	Na	Al													
B		W G2	5 to 15	4.9	4.2	0.04	0.9	5	0.03	0.08	0.14	0.04	1.1	1.4	2.9	0.01	0.4		0.3	13	50	2.8	0.25	0.18	0.2	0.78
B		W G2	15 to 30	5.4	4.3	0.02	0.5	5	0.02	0.16	0.12	0.02	0.83	1.2	1.7	0.01	0.1		0.3	3	51	1.3	0.15	0.11	0.18	0.33
B		W G2	30 to 60	5.5	4.3	0.02	0.5	5	0.02	0.17	0.12	0.01	0.79	1.1	0.9	0.02	0.1		0.3	9	53	1.1	0.12	0.17	0.19	0.31
B		W G2	30 to 100	5.7	4.3	0.01	0.2	5	0.02	0.16	0.13	0.01	0.68	1	1	0.01	0.1		0.3	13	48	0.5	0.02	0.09	0.18	0.25
C		W G3	0 to 5	6.1	5.1	0.1	0.9	33	6	1.6	1.3	0.01	0.1	9	0.1	0.9	3.8		24	16	69	5.2	13	0.51	0.63	2.6
C		W G3	5 to 15	6.3	5	0.02	0.2	5	4.7	1.5	0.54	0.07	0.1	6.9	1.0	0.02	3.1		1	9	37	1.7	3.5	0.73	0.35	1.1
C		W G3	15 to 30	6.6	5.3	0.02	0.2	5	2.8	1.4	0.37	0.07	0.1	4.7	1.5	0.01	2		1.1	8	26	0.5	0.87	0.42	0.34	0.38
C		W G3	30 to 60	6.9	5.6	0.03	0.3	5	2.8	4.2	0.55	0.26	0	7.8	3.3	0.01	0.7		0.3	13	53	1	0.54	0.73	1	0.22
D		W G4	0 to 5	6.5	5.6	0.07	1.0	5	6.5	2.1	0.95	0.02	0	9.6	0.2	0.33	3.1		12	8	32	4.1	4.9	0.4	0.76	2.1
D		W G4	5 to 15	6	4.7	0.03	0.4	5	2.5	1.2	0.65	0.01	0.12	4.5	0.2	0.13	2.1		3.1	10	49	3.2	0.61	1.1	0.39	0.76
D		W G4	15 to 30	5.7	4.4	0.02	0.3	10	2.1	1.2	0.49	0.05	0.44	4.3	1.2	0.02	1.8		1.3	13	53	1.7	0.24	1.1	0.33	0.62
D		W G4	30 to 60	6.2	4.8	0.02	0.3	5	2.7	1.2	0.35	0.06	0.1	4.4	1.4	0.01	2.3		2.6	14	37	1.4	0.56	0.74	0.31	0.54

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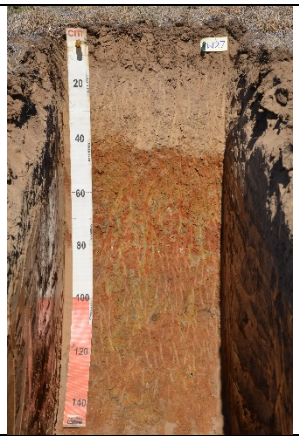		
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	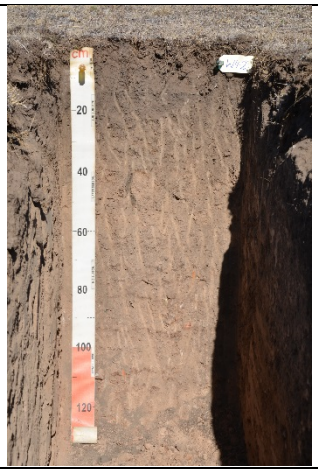	

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	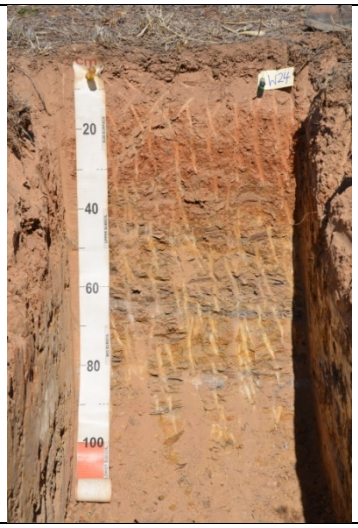	
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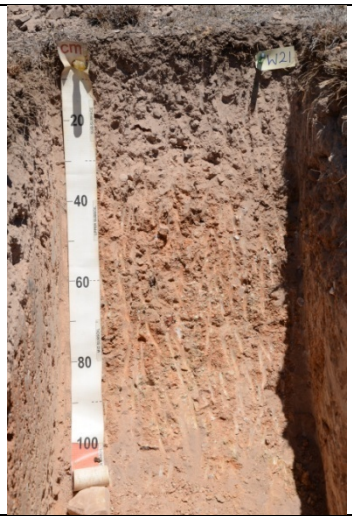		
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		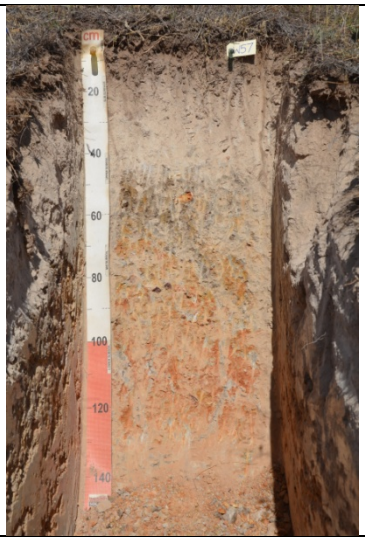

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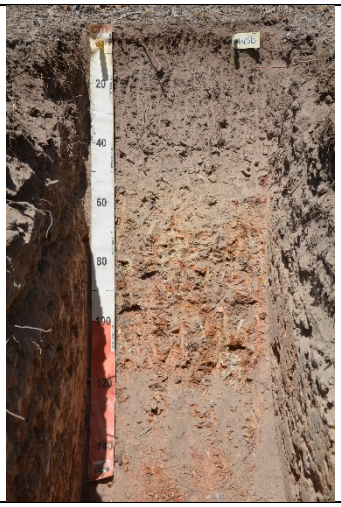		
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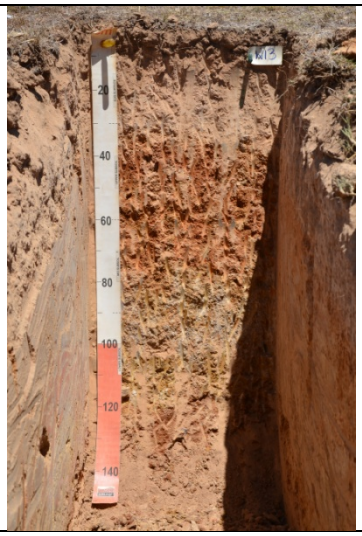		

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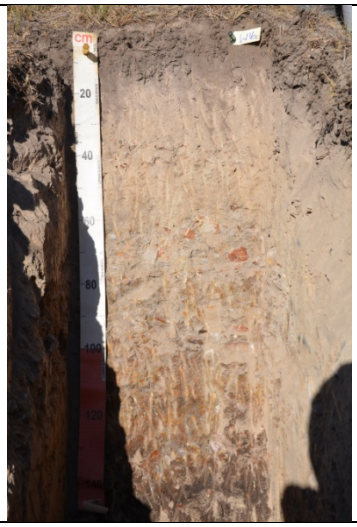	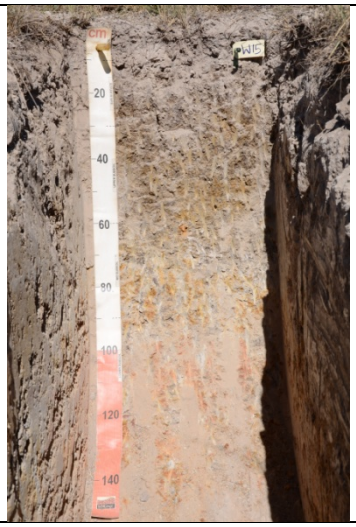	
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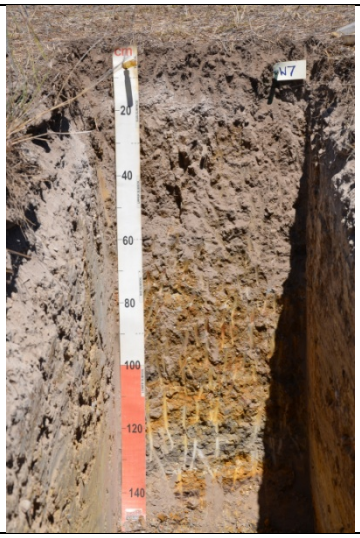		
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		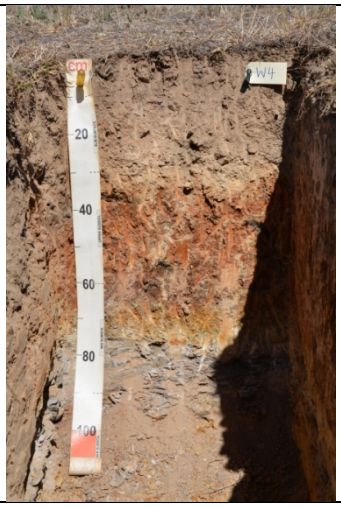

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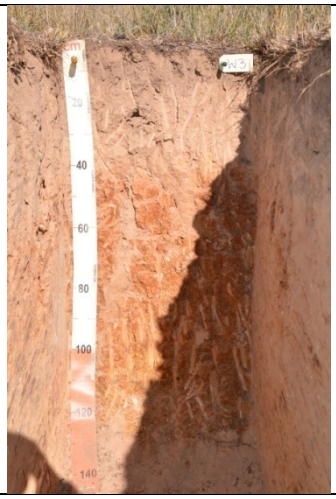		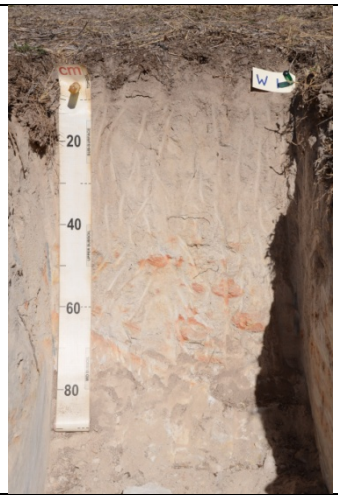
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