

Appendix A – Soil Salinity Data

Soil Salinity Monitoring Report



Soil salinity summary of all sites sampled in 2012

Site/depth (inches)	Sample type	Php	ECe (dS/m)	SAR	Gypsum content (meq/100 grams)
1-12 0-12	12 increment composite berms	6.50	2.71		
1-12 0-12	12 increment composite row	6.19	2.23		
1-12 0-12	30 increment spatial composite	6.15	1.82		
1-12 0-12	Central site hand augur boring	6.28	0.70		
1-12 12-30	Central site hand augur boring	6.62	0.36		
1-12 30-60	Central site hand augur boring	6.82	0.27		
2-12 0-12	30 increment spatial composite	6.87	6.43	9.5	0.00
2-12 0-12	Central site hand augur boring	7.18	8.52	12.5	0.00
2-12 12-30	Central site hand augur boring	7.69	0.86		
2-12 30-60	Central site hand augur boring	7.57	0.31		
4-12 0-12	30 increment spatial composite	7.39	4.56	6.5	0.00
4-12 0-12	Central site hand augur boring	7.64	2.82		
4-12 12-30	Central site hand augur boring	7.96	4.05		
4-12 30-60	Central site hand augur boring	7.25	0.64		
5-12 0-12	30 increment spatial composite	6.80	8.11	7.2	0.00
5-12 0-12	Central site hand augur boring	6.66	8.08	5.2	0.00
5-12 12-30	Central site hand augur boring	7.28	7.53	9.0	0.00
5-12 30-60	Central site hand augur boring	7.66	1.41		
6-12 0-12	30 increment spatial composite	6.77	1.43		
6-12 0-12	Hand augured central boring	6.77	1.25		
6-12 12-30	Hand augured central boring	7.46	1.80		
6-12 30-60	Hand augured central boring	7.07	2.14		
7-12 0-12	30 increment spatial composite	6.74	1.74		
7-12 0-12	Hand augured central boring	6.79	1.39		
7-12 12-30	Hand augured central boring	7.13	1.24		
7-12 30-60	Hand augured central boring	6.89	2.36		
8-12 0-12	30 increment spatial composite	6.83	0.64		
8-12 0-12	Hand augured central boring	6.88	0.43		
8-12 12-30	Hand augured central boring	7.21	0.48		
8-12 30-60	Hand augured central boring	7.06	1.00		
9-12 0-12	30 increment spatial composite	6.48	1.12		
9-12 0-12	Hand augured central boring	6.27	1.26		
9-12 12-30	Hand augured central boring	6.72	0.78		
9-12 30-60	Hand augured central boring	7.31	0.38		
10-12 0-12	30 increment spatial composite	6.44	0.55		
10-12 0-12	Hand augured central boring	6.54	0.58		
10-12 12-30	Hand augured central boring	6.82	1.29		
10-12 30-60	Hand augured central boring	6.83	0.52		
11-12 0-12	30 increment spatial composite	7.04	0.97		
11-12 0-12	Hand augured central boring	6.70	0.65		
11-12 12-30	Hand augured central boring	6.96	0.31		
11-12 30-60	Hand augured central boring	7.07	0.27		
12-12 0-12	30 increment spatial composite	7.04	5.22	10.5	0.00
12-12 0-12	Hand augured central boring	7.60	7.06	17.5	0.00
12-12 12-30	Hand augured central boring	7.76	2.68		
12-12 30-60	Hand augured central boring	7.03	0.49		
13-12 0-12	30 increment spatial composite	6.63	5.71	8.2	0.00
13-12 0-12	Hand augured central boring	6.44	7.57	8.6	0.00
13-12 12-30	Hand augured central boring	7.46	5.26	10.2	0.00
13-12 30-58	Hand augured central boring	7.38	4.53	10.5	0.00
14-12 0-12	30 increment spatial composite	7.57	6.10	7.5	0.00

Site/depth (inches)	Sample type	Php	ECe (dS/m)	SAR	Gypsum content (meq/100 grams)
14-12 0-12	30 increment field replicate	7.52	7.15	7.2	0.00
14-12 0-12	Hand augured central boring	7.49	6.99	5.4	0.00
14-12 12-30	Hand augured central boring	7.50	3.83	9.3	0.00
14-12 30-60	Hand augured central boring	7.58	2.57		
15-12 0-12	30 increment spatial composite	7.27	1.04		
15-12 0-12	Hand augured central boring	7.36	2.78		
15-12 12-30	Hand augured central boring	7.43	1.10		
15-12 30-60	Hand augured central boring	7.71	1.06		
16-12 0-12	30 increment spatial composite	7.18	3.11	12.3	0.00
16-12 0-12	Hand augured central boring	7.16	3.17	10.9	0.00
16-12 12-30	Hand augured central boring	7.12	5.65	23.0	0.00
16-12 30-60	Hand augured central boring	6.55	2.99		
17-12 0-12	30 increment spatial composite	7.79	15.8	24.2	4.03
17-12 0-12	Hand augured central boring	7.95	7.17	9.9	0.8
17-12 12-30	Hand augured central boring	7.92	2.03		
17-12 30-60	Hand augured central boring	7.37	0.92		
19-12 0-12	30 increment spatial composite	7.43	2.38		
19-12 0-12	Hand augured central boring	7.49	1.92		
19-12 12-30	Hand augured central boring	7.80	1.50		
19-12 30-60	Hand augured central boring	8.09	1.17		
20-12 0-12	24 increment spatial composite	7.53	1.65		
20-12 0-12	Hand augured central boring	7.50	2.28		
20-12 12-30	Hand augured central boring	7.67	2.95		
20-12 30-60	Hand augured central boring	7.28	5.34	21.0	0.00
21-12 0-12	30 increment spatial composite	6.97	1.62		
21-12 0-12	Hand augured central boring	7.30	1.33		
21-12 12-30	Hand augured central boring	6.91	2.50		
21-12 30-60	Hand augured central boring	6.99	1.87		
23-12 0-12	30 increment spatial composite	6.28	1.01		
23-12 0-12	Hand augured central boring	6.44	0.65		
23-12 12-30	Hand augured central boring	6.35	0.68		
23-12 30-60	Hand augured central boring	6.49	0.21		
24-12 0-12	30 increment spatial composite	6.62	2.03		
24-12 0-12	Hand augured central boring	6.61	1.03		
24-12 12-30	Hand augured central boring	6.76	1.25		
24-12 30-60	Hand augured central boring	6.33	0.47		
29-12 0-12	25 increment spatial composite	6.47	2.01		
29-12 0-12	Hand augured central boring	6.84	2.32		
29-12 12-30	Hand augured central boring	7.38	1.46		
29-12 30-60	Hand augured central boring	7.31	0.68		
30-12 0-12	30 increment spatial composite	6.77	2.31		
30-12 0-12	Hand augured central boring	6.99	1.82		
30-12 12-30	Hand augured central boring	7.29	3.80	8.2	0.00
30-12 30-60	Hand augured central boring	7.60	1.05		
31-12 0-12	30 increment spatial composite	7.27	3.25	4.5	0.00
31-12 0-12	Hand augured central boring	7.14	2.00		
31-12 12-30	Hand augured central boring	7.28	2.98	5.4	0.00
31-12 30-60	Hand augured central boring	7.51	1.04		
32-12 0-12	25 increment spatial composite	7.40	1.26		
32-12 0-12	Hand augured central boring	7.52	2.15		
32-12 12-30	Hand augured central boring	7.42	4.05	7.0	0.00
32-12 30-60	Hand augured central boring	7.43	3.52	8.6	0.00
33-12 0-12	25 increment spatial composite	7.48	4.15	2.8	6.86
33-12 0-12	Hand augured central boring	7.36	1.52		

Site/depth (inches)	Sample type	Php	ECe (dS/m)	SAR	Gypsum content (meq/100 grams)
33-12 12-30	Hand augured central boring	7.55	1.59		
33-12 30-60	Hand augured central boring	7.93	1.10		
34-12 0-12	22 increment spatial composite	6.96	1.40		
34-12 0-12	Hand augured central boring	6.88	1.15		
34-12 12-30	Hand augured central boring	7.32	1.04		
34-12 30-60	Hand augured central boring	7.92	0.99		
35-12 0-12	20 increment spatial composite	7.09	2.38		
35-12 0-12	Hand augured central boring	6.27	2.84		
35-12 12-30	Hand augured central boring	7.02	1.87		
35-12 30-60	Hand augured central boring	7.28	1.12		
36-12 0-12	20 increment spatial composite	6.42	1.72		
36-12 0-12	Hand augured central boring	6.38	1.53		
36-12 12-30	Hand augured central boring	7.03	1.28		
36-12 30-60	Hand augured central boring	7.52	0.95		
37-12 0-12	30 increment spatial composite	6.38	0.76		
37-12 0-12	Hand augured central boring	6.29	0.73		
37-12 12-30	Hand augured central boring	6.84	1.45		
37-12 30-60	Hand augured central boring	7.36	1.44		
38-12 0-12	30 increment spatial composite	6.88	1.41		
38-12 0-12	Hand augured central boring	6.84	1.72		
38-12 12-30	Hand augured central boring	7.11	2.44		
38-12 30-60	Hand augured central boring	7.87	1.65		
39-12 0-12	30 increment spatial composite	7.48	1.69		
39-12 0-12	Hand augured central boring	7.22	0.94		
39-12 12-30	Hand augured central boring	7.52	0.78		
39-12 30-60	Hand augured central boring	8.09	0.77		
40-12 0-12	30 increment spatial composite	6.35	4.16	4.1	2.69
40-12 0-12	Hand augured central boring	6.17	3.92	3.7	0.00
40-12 12-30	Hand augured central boring	7.23	2.32		
40-12 30-60	Hand augured central boring	7.50	2.08		
41-12 0-12	30 increment spatial composite	7.13	1.01		
41-12 0-12	Hand augured central boring	6.94	0.97		
41-12 12-30	Hand augured central boring	7.34	1.63		
41-12 30-60	Hand augured central boring	7.31	3.27	5.5	0.00
42-12 0-12	30 increment spatial composite	6.09	3.41	3.0	0.00
42-12 0-12	Hand augured central boring	5.78	2.24		
42-12 12-30	Hand augured central boring	6.87	2.69		
42-12 30-60	Hand augured central boring	7.02	1.38		
43-12 0-12	30 increment spatial composite	7.06	2.17		
43-12 0-12	Hand augured central boring	6.64	0.97		
43-12 12-30	Hand augured central boring	7.10	0.77		
43-12 30-60	Hand augured central boring	7.77	1.10		
44-12 0-12	30 increment spatial composite	6.84	4.03	2.5	4.37
44-12 0-12	Hand augured central boring	6.37	3.41	2.2	3.41
44-12 12-30	Hand augured central boring	7.17	3.44	3.9	0.00
44-12 30-60	Hand augured central boring	7.66	3.36	7.9	0.00
45-12 0-12	30 increment spatial composite	7.17	2.53		
45-12 0-12	Hand augured central boring	7.32	2.87		
45-12 12-30	Hand augured central boring	7.61	4.13	9.2	0.00
45-12 30-60	Hand augured central boring	7.49	2.91		
46-12 0-12	30 increment spatial composite	7.42	1.80		
46-12 0-12	Hand augured central boring	7.10	1.21		
46-12 12-30	Hand augured central boring	7.47	1.41		
46-12 30-60	Hand augured central boring	7.87	3.33	8.6	0.00

Site/depth (inches)	Sample type	Php	ECe (dS/m)	SAR	Gypsum content (meq/100 grams)
47-12 0-12	30 increment spatial composite	7.27	1.36		
47-12 0-12	Hand augured central boring	7.25	1.61		
47-12 12-30	Hand augured central boring	7.64	0.96		
47-12 30-60	Hand augured central boring	7.93	1.12		
48-12 0-12	30 increment spatial composite	7.52	1.65		
48-12 0-12	Hand augured central boring	7.53	1.45		
48-12 12-30	Hand augured central boring	7.82	1.06		
48-12 30-60	Hand augured central boring	7.80	0.77		
49-12 0-12	30 increment spatial composite	7.46	2.05		
49-12 0-12	Hand augured central boring	7.42	1.66		
49-12 12-30	Hand augured central boring	7.69	1.63		
49-12 30-60	Hand augured central boring	7.83	1.74		
50-12 0-12	30 increment spatial composite	7.59	6.59	7.7	3.7
50-12 0-12	Hand augured central boring	7.49	3.71	4.6	0.00
50-12 12-30	Hand augured central boring	7.70	4.75	6.7	0.00
50-12 30-60	Hand augured central boring	7.67	5.24	12.9	0.00
51-12 0-12	30 increment spatial composite	7.57	4.82	6.4	0.00
51-12 0-12	Hand augured central boring	7.52	2.10		
51-12 12-30	Hand augured central boring	7.67	6.03	11.0	0.00
51-12 30-60	Hand augured central boring	7.49	8.65	10.6	1.95
52-12 0-12	30 increment spatial composite	7.48	1.66		
52-12 0-12	30 increment field replicate	7.47	1.76		
52-12 0-12	Hand augured central boring	7.28	1.80		
52-12 12-30	Hand augured central boring	7.43	2.50		
52-12 30-60	Hand augured central boring	7.66	3.62	6.0	0.00
53-12 0-12	30 increment spatial composite	7.11	2.05		
53-12 0-12	Hand augured central boring	7.19	2.36		
53-12 12-30	Hand augured central boring	7.33	7.34	8.8	2.62
53-12 30-60	Hand augured central boring	7.45	11.6	13.7	3.18
54-12 0-12	30 increment spatial composite	7.78	1.46		
54-12 0-12	Hand augured central boring	7.74	1.34		
54-12 12-30	Hand augured central boring	7.82	1.02		
54-12 30-60	Hand augured central boring	7.82	1.26		
55-12 0-12	30 increment spatial composite	7.50	1.51		
55-12 0-12	Hand augured central boring	7.57	1.25		
55-12 12-30	Hand augured central boring	7.54	1.31		
55-12 30-60	Hand augured central boring	7.56	1.01		
56-12 0-12	30 increment spatial composite	7.07	4.21	3.5	3.4
56-12 0-12	Hand augured central boring	7.15	4.02	3.8	0.00
56-12 12-30	Hand augured central boring	7.21	2.35		
56-12 30-60	Hand augured central boring	7.19	0.67		
57-12 0-12	30 increment spatial composite	6.80	1.31		
57-12 0-12	Hand augured central boring	6.92	1.26		
57-12 12-30	Hand augured central boring	7.05	4.43	4.2	3.4
57-12 30-60	Hand augured central boring	7.12	4.26	5.5	0.00
58-12 0-12	30 increment spatial composite	7.16	1.16		
58-12 0-12	Hand augured central boring	7.15	1.80		
58-12 12-30	Hand augured central boring	7.30	1.08		
58-12 30-60	Hand augured central boring	7.46	1.05		
59-12 0-12	30 increment spatial composite	7.13	1.57		
59-12 0-12	Hand augured central boring	7.12	1.16		
59-12 12-30	Hand augured central boring	7.32	1.18		
59-12 30-60	Hand augured central boring	7.54	1.25		
60-12 0-12	30 increment spatial composite	7.41	13.2	3.8	13.4

Site/depth (inches)	Sample type	Php	ECe (dS/m)	SAR	Gypsum content (meq/100 grams)
60-12 0-12	Hand augured central boring	7.74	3.09	4.4	0.00
60-12 12-30	Hand augured central boring	7.75	3.62	4.1	0.00
60-12 30-60	Hand augured central boring	7.93	2.23		
61-12 0-12	30 increment spatial composite	7.73	21.4	23.5	17.1
61-12 0-12	Hand augured central boring	7.62	19.4	17.5	38.2
61-12 12-30	Hand augured central boring	7.79	9.60	12.9	5.8
61-12 30-60	Hand augured central boring	7.97	6.06	10.7	0.00
62-12 0-12	30 increment spatial composite	7.73	8.83	7.1	5.7
62-12 0-12	Hand augured central boring	7.76	7.78	6.0	3.6
62-12 12-30	Hand augured central boring	8.00	3.59	4.9	0.00
62-12 30-60	Hand augured central boring	8.19	1.94		
63-12 0-12	30 increment spatial composite	6.77	1.17		
63-12 0-12	Hand augured central boring	6.11	1.02		
63-12 12-30	Hand augured central boring	7.00	1.15		
63-12 30-60	Hand augured central boring	7.68	1.28		
64-12 0-12	30 increment spatial composite	7.09	0.99		
64-12 0-12	Hand augured central boring	7.13	0.79		
64-12 12-30	Hand augured central boring	7.45	0.89		
64-12 30-60	Hand augured central boring	7.97	1.13		
65-12 0-12	30 increment spatial composite	6.40	0.90		
65-12 0-12	Hand augured central boring	6.30	0.79		
65-12 12-30	Hand augured central boring	6.93	1.86		
65-12 30-60	Hand augured central boring	7.38	3.43	7.9	0.00
66-12 0-12	30 increment spatial composite	6.69	0.96		
66-12 0-12	Hand augured central boring	7.03	1.31		
66-12 12-30	Hand augured central boring	7.14	0.82		
66-12 30-60	Hand augured central boring	7.46	1.41		
67-12 0-12	30 increment spatial composite	6.42	0.71		
67-12 0-12	Hand augured central boring	6.47	0.72		
67-12 12-30	Hand augured central boring	7.13	1.09		
67-12 30-60	Hand augured central boring	7.29	1.32		
69-12 0-12	25 increment spatial composite	7.26	1.57		
69-12 0-12	Hand augured central boring	7.26	1.60		
69-12 12-30	Hand augured central boring	7.78	1.12		
69-12 30-46	Hand augured central boring	8.08	1.31		
70-12 0-12	30 increment spatial composite	7.57	6.27	7.0	3.71
70-12 0-12	Hand augured central boring	7.54	4.08	5.5	0.00
70-12 12-30	Hand augured central boring	7.88	7.17	14.6	0.00
70-12 30-60	Hand augured central boring	8.01	5.39	15.2	0.00
71-12 0-12	30 increment spatial composite	6.46	1.18		
71-12 0-12	Hand augured central boring	6.76	1.47		
71-12 12-30	Hand augured central boring	6.70	1.54		
71-12 30-60	Hand augured central boring	6.91	2.22		
73-12 0-12	30 increment spatial composite	7.66	1.39		
73-12 0-12	Hand augured central boring	7.71	0.99		
73-12 12-30	Hand augured central boring	7.90	2.17		
73-12 30-60	Hand augured central boring	8.09	3.75	18.7	0.00
74-12 0-12	30 increment spatial composite	7.30	2.24		
74-12 0-12	Hand augured central boring	7.26	1.99		
74-12 12-30	Hand augured central boring	7.63	2.52		
74-12 30-60	Hand augured central boring	7.67	2.33		
75-12 0-12	30 increment spatial composite	7.19	5.13	7.0	2.8
75-12 0-12	Hand augured central boring	7.07	9.39	8.0	4.71
75-12 12-30	Hand augured central boring	7.45	7.94	9.9	3.45

Site/depth (inches)	Sample type	Php	ECe (dS/m)	SAR	Gypsum content (meq/100 grams)
75-12 30-60	Hand augured central boring	7.53	5.61	8.6	2.06
76-12 0-12	30 increment spatial composite	7.45	7.19	10.3	0.00
76-12 0-12	Hand augured central boring	7.30	14.0	14.0	1.17
76-12 12-30	Hand augured central boring	7.65	7.38	15.3	0.00
76-12 30-60	Hand augured central boring	7.86	4.43	14.9	0.00
77-12 0-12	Center of row 8x composite	6.95	4.03	6.6	0.00
77-12 12-30	8 increment composite	6.92	3.89	8.9	0.00
79-12 0-12	30 increment spatial composite	7.81	13.7	22.4	1.72
79-12 0-12	Hand augured central boring	7.75	7.48	16.0	0.00
79-12 12-30	Hand augured central boring	8.04	4.46	13.2	0.00
79-12 30-45	Hand augured central boring	8.24	2.30		
80-12 0-12	30 increment spatial composite	7.25	3.22	2.2	0.2
80-12 0-12	Hand augured central boring	6.54	1.52		
80-12 12-30	Hand augured central boring	6.94	1.55		
80-12 30-60	Hand augured central boring	7.80	2.34		
81-12 0-12	30 increment spatial composite	6.93	2.19		
81-12 0-12	Hand augured central boring	6.63	1.28		
81-12 12-30	Hand augured central boring	6.86	0.49		
81-12 30-60	Hand augured central boring	7.12	0.28		
82-12 0-12	30 increment spatial composite	6.71	1.16		
82-12 0-12	30 increment field replicate	6.71	0.97		
82-12 0-12	Hand augured central boring	7.22	2.25		
82-12 12-30	Hand augured central boring	6.79	4.27	14.4	0.00
82-12 30-60	Hand augured central boring	7.19	4.20	16.3	0.00
83-12 0-12	36 increment spatial composite	7.35	1.89		
83-12 0-12	Hand augured central boring	6.89	0.85		
83-12 12-30	Hand augured central boring	7.53	1.61		
83-12 30-60	Hand augured central boring	8.03	2.37		
84-12 0-12	30 increment spatial composite	7.95	16.9	27.8	0.9
84-12 0-12	Hand augured central boring	8.29	3.26	20.6	0.00
84-12 12-30	Hand augured central boring	8.67	3.40	43.0	0.00
84-12 30-50	Hand augured central boring	8.60	4.08	48.6	0.00
85-12 0-12	30 increment spatial composite	7.46	2.56		
85-12 0-12	Hand augured central boring	7.52	2.47		
85-12 12-30	Hand augured central boring	7.87	1.22		
85-12 30-60	Hand augured central boring	7.96	1.54		
86-12 0-12	30 increment spatial composite	6.46	0.96		
86-12 0-12	Hand augured central boring	6.40	1.09		
86-12 12-30	Hand augured central boring	6.75	0.99		
86-12 30-60	Hand augured central boring	7.34	1.94		
87-12 0-12	30 increment spatial composite	6.20	0.98		
87-12 0-12	Hand augured central boring	6.28	0.76		
87-12 12-30	Hand augured central boring	6.69	0.62		
87-12 30-60	Hand augured central boring	6.98	1.57		
88-12 0-12	30 increment spatial composite	6.37	0.94		
88-12 0-12	Hand augured central boring	6.43	0.75		
88-12 12-30	Hand augured central boring	7.32	1.42		
88-12 30-60	Hand augured central boring	7.29	4.04	6.6	0.00
89-12 0-12	30 increment spatial composite	6.84	1.73		
89-12 0-12	Hand augured central boring	6.91	1.32		
89-12 12-30	Hand augured central boring	7.20	0.96		
89-12 30-60	Hand augured central boring	8.04	0.93		
90-12 0-12	30 increment spatial composite	7.74	8.76	11.5	3.32
90-12 0-12	Hand augured central boring	7.68	12.6	15.0	3.91

Site/depth (inches)	Sample type	Php	ECe (dS/m)	SAR	Gypsum content (meq/100 grams)
90-12 12-30	Hand augured central boring	7.74	9.35	12.3	1.53
90-12 30-48	Hand augured central boring	7.81	4.96	6.1	0.00
91-12 0-12	30 increment spatial composite	8.00	8.79	17.8	0.00
91-12 0-12	Hand augured central boring	7.79	14.2	21.4	2.66
91-12 12-30	Hand augured central boring	8.04	16.9	36.4	0.33
91-12 30-52	Hand augured central boring	8.33	13.0	46.9	0.00
93-12 0-12	30 increment spatial composite	6.34	2.36		
93-12 0-12	Hand augured central boring	6.53	2.31		
93-12 12-30	Hand augured central boring	7.42	6.13	10.8	0.00
93-12 30-60	Hand augured central boring	7.78	9.07	15.3	0.00
94-12 0-12	30 increment spatial composite	7.52	1.16		
94-12 0-12	Hand augured central boring	7.42	1.15		
94-12 12-30	Hand augured central boring	7.67	1.17		
94-12 30-60	Hand augured central boring	7.80	1.83		
95-12 0-12	20 increment spatial composite	6.66	0.39		
95-12 0-12	20 increment field replicate	6.76	0.48		
95-12 0-12	Hand augured central boring	7.29	0.65		
95-12 12-30	Hand augured central boring	7.22	0.14		
95-12 30-60	Hand augured central boring	7.26	0.36		
96-12 0-12	30 increment spatial composite	6.83	0.76		
96-12 0-12	Hand augured central boring	6.61	1.26		
96-12 12-30	Hand augured central boring	7.00	2.39		
96-12 30-60	Hand augured central boring	6.81	1.08		
97-12 0-12	30 increment spatial composite	7.21	7.02	10.3	2.72
97-12 0-12	Hand augured central boring	7.09	2.87		
97-12 12-30	Hand augured central boring	7.41	3.56	5.6	0.11
97-12 30-60	Hand augured central boring	7.42	1.22		
99-12 0-12	20 increment spatial composite	6.85	1.03		
99-12 0-12	Hand augured central boring	7.14	0.93		
99-12 12-30	Hand augured central boring	7.10	2.42		
99-12 30-60	Hand augured central boring	7.00	4.80	4.7	0.00
100-12 0-12	30 increment spatial composite	6.88	1.51		
100-12 0-12	Hand augured central boring	7.36	0.89		
100-12 12-30	Hand augured central boring	8.06	0.74		
100-12 30-60	Hand augured central boring	7.99	1.52		
101-12 0-12	30 increment spatial composite	7.46	4.85	3.9	15.0
101-12 0-12	30 increment field replicate	7.52	3.25	4.1	0.00
101-12 0-12	Hand augured central boring	7.59	2.30		
101-12 12-30	Hand augured central boring	7.46	4.15	3.7	49.6
101-12 30-60	Hand augured central boring	7.86	7.70	11.9	15.2
102-12 0-12	30 increment spatial composite	7.26	4.19	4.2	1.59
102-12 0-12	Hand augured central boring	6.43	3.94	3.5	5.2
102-12 12-30	Hand augured central boring	6.13	3.78	5.2	0.00
102-12 30-60	Hand augured central boring	7.27	4.96	6.6	1.2
103-12 0-12	30 increment spatial composite	6.42	3.85	4.8	0.9
103-12 0-12	Hand augured central boring	6.49	3.83	4.8	0.6
103-12 12-30	Hand augured central boring	7.08	1.53		
103-12 30-60	Hand augured central boring	7.37	2.32		
104-12 0-12	30 increment spatial composite	6.52	3.65	3.8	1.6
104-12 0-12	Hand augured central boring	6.91	3.36	5.1	0.1
104-12 12-30	Hand augured central boring	7.70	2.29		
104-12 30-60	Hand augured central boring	8.08	1.62		
105-12 0-12	30 increment spatial composite	6.87	3.60	4.0	0.5
105-12 0-12	Hand augured central boring	6.08	3.54	4.7	0.4

Site/depth (inches)	Sample type	Php	ECe (dS/m)	SAR	Gypsum content (meq/100 grams)
105-12 12-30	Hand augured central boring	6.91	2.23		
105-12 30-60	Hand augured central boring	7.17	1.22		
106-12 0-12	30 increment spatial composite	6.50	0.92		
106-12 0-12	Hand augured central boring	6.61	1.55		
106-12 12-30	Hand augured central boring	6.63	2.66		
106-12 30-60	Hand augured central boring	6.19	6.82	11.1	0.00
107-12 0-12	30 increment spatial composite	6.34	0.91		
107-12 0-12	Hand augured central boring	6.35	0.90		
107-12 12-30	Hand augured central boring	6.58	0.79		
107-12 30-60	Hand augured central boring	7.28	1.19		
108-12 0-12	30 increment spatial composite	6.16	1.42		
108-12 0-12	Hand augured central boring	6.41	1.72		
108-12 12-30	Hand augured central boring	7.35	1.60		
108-12 30-60	Hand augured central boring	7.93	1.67		
109-12 0-12	30 increment spatial composite	6.44	1.09		
109-12 0-12	Hand augured central boring	6.85	1.07		
109-12 12-30	Hand augured central boring	7.31	1.06		
109-12 30-60	Hand augured central boring	7.37	1.06		
110-12 0-12	30 increment spatial composite	7.65	5.02	7.5	0.00
110-12 0-12	Hand augured central boring	7.84	3.75	9.1	0.00
110-12 12-30	Hand augured central boring	7.87	6.03	14.7	0.00
110-12 30-48	Hand augured central boring	8.19	3.68	17.9	0.00
111-12 0-12	30 increment spatial composite	6.88	21.9	12.6	16.48
111-12 0-12	Hand augured central boring	6.97	19.3	13.4	12.3
111-12 12-30	Hand augured central boring	7.41	16.7	10.5	8.54
111-12 30-60	Hand augured central boring	7.77	10.5	8.8	4.22
112-12 0-12	30 increment spatial composite	6.95	13.2	8.1	7.44
112-12 0-12	Hand augured central boring	7.26	7.42	7.1	3.59
112-12 12-30	Hand augured central boring	7.03	10.7	8.1	5.39
112-12 30-60	Hand augured central boring	7.57	6.45	10.0	0.00
113-12 0-12	30 increment spatial composite	7.23	27.8	15.4	13.7
113-12 0-12	Hand augured central boring	7.42	16.1	12.6	6.2
113-12 12-30	Hand augured central boring	7.67	12.0	11.2	3.98
113-12 30-60	Hand augured central boring	7.77	8.08	12.4	0.00
116-12 0-12	30 increment spatial composite	7.39	4.97	2.6	7.9
116-12 0-12	Hand augured central boring	7.62	4.94	3.6	6.1
116-12 12-30	Hand augured central boring	7.72	3.26	4.3	0.00
116-12 30-60	Hand augured central boring	7.68	3.31	6.1	0.00
L21 0-12	30 increment spatial composite	6.78	2.23		
L21 0-12	Hand augured central boring	7.13	2.08		
L21 12-24	Hand augured central boring	7.04	2.10		
L21 24-36	Hand augured central boring	7.21	2.19		
L21 36-48	Hand augured central boring	7.34	2.15		
L21 48-60	Hand augured central boring	7.36	2.61		
L21 60-72	Hand augured central boring	7.45	2.23		
L26 0-12	30 increment spatial composite	6.73	1.99		
L26 0-12	Hand augured central boring	6.78	1.69		
L26 12-24	Hand augured central boring	7.10	1.87		
L26 24-36	Hand augured central boring	7.58	3.23	4.8	0.00
L26 36-48	Hand augured central boring	7.48	2.74		
L26 48-60	Hand augured central boring	7.45	3.43	7.1	0.00
L26 60-72	Hand augured central boring	7.47	3.27	6.1	0.00
L28 0-12	30 increment spatial composite	6.77	1.51		
L28 0-12	Hand augured central boring	7.19	1.62		

Site/depth (inches)	Sample type	Php	ECe (dS/m)	SAR	Gypsum content (meq/100 grams)
L28 12-24	Hand augured central boring	7.50	2.75		
L28 24-36	Hand augured central boring	7.66	3.38	5.4	0.00
L28 36-48	Hand augured central boring	7.80	2.67		
L28 48-60	Hand augured central boring	7.86	2.07		
L28 60-72	Hand augured central boring	7.68	2.04		
L48 0-12	30 increment spatial composite	6.66	1.93		
L48 0-12	Hand augured central boring	6.60	1.61		
L48 12-24	Hand augured central boring	6.75	1.06		
L48 24-36	Hand augured central boring	7.14	1.36		
L48 36-48	Hand augured central boring	6.64	1.64		
L48 48-60	Hand augured central boring	6.83	1.90		
L48 60-72	Hand augured central boring	6.52	2.53		
L66 0-12	30 increment spatial composite	6.53	1.02		
L66 0-12	Hand augured central boring	6.18	1.22		
L66 12-24	Hand augured central boring	7.05	0.79		
L66 24-36	Hand augured central boring	7.02	1.38		
L66 36-48	Hand augured central boring	7.34	0.80		
L66 48-60	Hand augured central boring	7.62	1.11		
L66 60-72	Hand augured central boring	7.81	1.18		
Df-1 0-12	30 increment spatial composite	6.61	1.79		
Df-1 0-12	Hand augured central boring	6.56	2.62		
Df-1 12-24	Hand augured central boring	6.41	2.64		
Df-1 24-36	Hand augured central boring	6.67	1.91		
Df-1 36-48	Hand augured central boring	6.89	1.27		
Df-1 48-60	Hand augured central boring	7.03	1.68		
Df-1 60-72	Hand augured central boring	7.49	2.34		
Df-2 0-12	30 increment spatial composite	6.44	2.45		
Df-2 0-12	30 increment field replicate	6.39	2.59		
Df-2 0-12	Hand augured central boring	6.82	2.34		
Df-2 12-24	Hand augured central boring	6.90	1.00		
Df-2 24-36	Hand augured central boring	6.73	0.53		
Df-2 36-48	Hand augured central boring	7.33	0.66		
Df-2 48-60	Hand augured central boring	7.30	0.77		