

Table J2. - Chemical Properties of the Soils

Carson City Area, Nevada

Absence of an entry indicates that data were not estimated.

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1:								
Aldax	0-3	10-20	---	5.6 - 7.3	0	0	0.0	0
	3-14	10-20	---	5.6 - 7.3	0	0	0.0	0
	14-18	---	---	---	---	---	---	---
Indiano	0-13	15-30	---	6.1 - 7.3	0	0	0.0	0
	13-33	15-30	---	6.1 - 7.3	0	0	0.0	0
	33-37	---	---	---	---	---	---	---
2:								
Aldax Variant	0-5	5.0-13	---	6.6 - 7.3	0	0	0.0	0
	5-15	5.0-13	---	6.6 - 7.3	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
3:								
Arkson	0-15	7.0-17	---	6.6 - 7.3	0	0	0.0	0
	15-40	4.0-15	---	6.6 - 7.3	0	0	0.0	0
	40-60	4.0-15	---	6.6 - 7.3	0	0	0.0	0
Rock Outcrop	---	---	---	---	---	---	---	---
4:								
Bishop	0-28	20-30	---	8.5 - 9.0	3-5	0	4.0-8.0	2-13
	28-60	8.0-20	---	7.9 - 9.0	0-5	0	0.0-4.0	0
Voltaire	0-18	20-35	---	8.5 - 9.6	1-5	0	4.0-8.0	13-30
	18-60	20-30	---	7.9 - 9.6	1-5	0	4.0-32.0	1-12
5:								
Cagle	0-4	25-35	---	6.1 - 7.8	0	0	0.0	0
	4-24	30-45	---	6.1 - 7.8	0	0	0.0	0
	24-28	30-45	---	6.1 - 7.8	0	0	0.0	0
	28-32	---	---	---	---	---	---	---
Nosrac	0-9	25-30	---	6.1 - 7.3	0	0	0.0	0
	9-34	25-30	---	6.6 - 7.3	0	0	0.0	0
	34-60	20-30	---	6.6 - 7.3	0	0	0.0	0
6:								
Cagwin	0-8	1.0-5.0	---	5.1 - 6.5	0	0	0.0	0
	8-35	2.0-8.0	---	5.1 - 6.5	0	0	0.0	0
	35-39	---	---	---	---	---	---	---
7:								

Table J2. - Chemical Properties of the Soils - Continued

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
7:								
Cagwin	0-8	1.0-5.0	---	5.1 - 6.5	0	0	0.0	0
	8-35	2.0-8.0	---	5.1 - 6.5	0	0	0.0	0
	35-39	---	---	---	---	---	---	---
Toem	0-9	4.0-13	---	5.6 - 6.5	0	0	0.0	0
	9-17	1.0-7.0	---	5.6 - 6.5	0	0	0.0	0
	17-21	---	---	---	---	---	---	---
8:								
Corbett	0-9	2.0-10	---	5.6 - 6.5	0	0	0.0	0
	9-32	1.0-5.0	---	5.6 - 6.5	0	0	0.0	0
	32-36	---	---	---	---	---	---	---
9:								
Corbett	0-9	2.0-10	---	5.6 - 6.5	0	0	0.0	0
	9-32	1.0-5.0	---	5.6 - 6.5	0	0	0.0	0
	32-36	---	---	---	---	---	---	---
10:								
Corbett	0-9	2.0-10	---	5.6 - 6.5	0	0	0.0	0
	9-32	1.0-5.0	---	5.6 - 6.5	0	0	0.0	0
	32-36	---	---	---	---	---	---	---
Toiyabe	0-7	3.0-10	---	5.6 - 7.3	0	0	0.0	0
	7-15	1.0-5.0	---	5.6 - 7.3	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
11:								
Cradlebaugh	0-6	20-35	---	7.9 - 9.6	1-3	0	16.0-32.0	13-30
	6-60	15-30	---	7.9 - 9.6	1-3	0	4.0-16.0	5-12
	60-64	3.0-10	---	8.5 - 9.0	1-3	0	4.0-16.0	5-12
Jubilee	0-12	12-17	---	6.1 - 7.3	0	0	0.0	0
	12-60	4.0-11	---	6.6 - 7.8	0	0	0.0	0
Voltaire	0-18	20-35	---	8.5 - 9.6	1-5	0	4.0-8.0	13-30
	18-60	20-30	---	7.9 - 9.6	1-5	0	4.0-32.0	1-12
12:								
Dalzell	0-10	4.0-8.0	---	7.4 - 8.4	0	0	4.0-8.0	13-30
	10-20	15-30	---	8.5 - 9.0	0-1	0	8.0-16.0	13-30
	20-39	15-30	---	8.5 - 9.0	1-3	0	8.0-16.0	13-30
	39-43	---	---	---	---	---	---	---
13:								

Table J2. - Chemical Properties of the Soils - Continued

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
13:								
Dalzell Variant	0-10	10-14	---	7.4 - 7.8	0	0	0.0	0
	10-25	30-45	---	7.4 - 8.4	0	0	2.0-4.0	1-5
	25-36	8.0-15	---	8.5 - 9.0	0	0	4.0-8.0	5-13
	36-60	4.0-15	---	8.5 - 9.0	1-3	0	2.0-4.0	1-5
14:								
Deven	0-2	15-25	---	6.1 - 7.8	0	0	0.0	0
	2-16	30-40	---	6.1 - 7.8	0	0	0.0	0
	16-20	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
15:								
Deven	0-5	15-25	---	6.1 - 7.8	0	0	0.0	0
	5-12	30-40	---	6.1 - 7.8	0	0	0.0	0
	12-16	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
17:								
Glenbrook	0-9	1.0-5.0	---	6.1 - 7.3	0	0	0.0	0
	9-15	1.0-5.0	---	6.1 - 7.3	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
18:								
Glenbrook	0-9	1.0-5.0	---	6.1 - 7.3	0	0	0.0	0
	9-15	1.0-5.0	---	6.1 - 7.3	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
19:								
Glenbrook	0-9	1.0-5.0	---	6.1 - 7.3	0	0	0.0	0
	9-15	1.0-5.0	---	6.1 - 7.3	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
20:								
Glenbrook	0-9	1.0-5.0	---	6.1 - 7.3	0	0	0.0	0
	9-15	1.0-5.0	---	6.1 - 7.3	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
21:								

Table J2. - Chemical Properties of the Soils - Continued

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
21:								
Greenbrae	0-12	10-20	---	5.6 - 7.3	0	0	0.0	0
	12-36	20-30	---	6.1 - 7.8	0	0	0.0	0
	36-60	2.0-10	---	6.6 - 7.8	0	0	0.0	0
22:								
Greenbrae	0-4	10-20	---	5.6 - 7.3	0	0	0.0	0
	4-24	20-30	---	6.1 - 7.8	0	0	0.0	0
	24-60	2.0-10	---	6.6 - 7.8	0	0	0.0	0
23:								
Haybourne	0-9	1.0-8.0	---	6.6 - 7.8	0	0	0.0	0
	9-25	5.0-15	---	6.6 - 8.4	0	0	0.0	0
	25-60	4.0-10	---	6.6 - 8.4	0-1	0	0.0-2.0	0
24:								
Haybourne	0-12	1.0-8.0	---	6.6 - 7.8	0	0	0.0	0
	12-25	5.0-15	---	6.6 - 8.4	0	0	0.0	0
	25-60	1.0-8.0	---	6.6 - 8.4	0-1	0	0.0-2.0	0
25:								
Haybourne	0-6	5.0-15	---	6.6 - 7.8	0	0	0.0	0
	6-25	5.0-15	---	6.6 - 8.4	0	0	0.0-2.0	0
	25-60	5.0-10	---	6.6 - 8.4	0-1	0	0.0-2.0	0
26:								
Haybourne	0-6	5.0-15	---	6.6 - 7.8	0	0	0.0	0
	6-25	5.0-15	---	6.6 - 8.4	0	0	0.0-2.0	0
	25-60	5.0-10	---	6.6 - 8.4	0-1	0	0.0-2.0	0
27:								
Haybourne	0-6	5.0-13	---	6.6 - 7.8	0	0	0.0	0
	6-25	4.0-12	---	6.6 - 8.4	0	0	0.0	0
	25-60	3.0-17	---	6.6 - 8.4	0-1	0	0.0	0
28:								
Histic Haplaquolls	0-9	50-90	---	6.1 - 7.3	0	0	0.0	0
	9-45	10-70	---	6.1 - 7.3	0	0	0.0	0
	45-60	4.0-15	---	6.1 - 7.3	0	0	0.0	0
Bishop	---	---	---	---	---	---	---	---
29:								
Hocar	0-7	9.0-15	---	7.9 - 8.4	0	0	0.0	0
	7-17	8.0-15	---	7.9 - 8.4	1-5	0	0.0-2.0	0
	17-21	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
29:								
30:								
Hocar	0-3	9.0-15	---	7.9 - 8.4	0	0	0.0	0
	3-17	8.0-15	---	7.9 - 8.4	1-5	0	0.0-2.0	0
	17-20	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
31:								
Holbrook	0-9	10-20	---	6.1 - 7.3	0	0	0.0	0
	9-60	5.0-10	---	6.1 - 8.4	0	0	0.0-2.0	0
Jubilee	0-12	12-17	---	6.1 - 7.3	0	0	0.0	0
	12-60	4.0-11	---	6.6 - 7.8	0	0	0.0	0
32:								
Holbrook	0-12	9.0-17	---	6.1 - 7.3	0	0	0.0	0
	12-60	5.0-9.0	---	6.1 - 8.4	0	0	0.0-2.0	0-5
33:								
Holbrook Variant	0-9	6.0-11	---	6.6 - 7.3	0	0	0.0	0
	9-35	4.0-8.0	---	6.6 - 7.3	0	0	0.0	0
	35-39	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
34:								
Incy	0-9	1.0-5.0	---	6.6 - 7.3	0	0	0.0	0
	9-60	1.0-5.0	---	6.6 - 7.8	0	0	0.0	0
35:								
Indiano Variant	0-11	7.0-13	---	7.4 - 7.8	0	0	0.0	0
	11-29	12-22	---	6.6 - 7.3	0	0	0.0	0
	29-33	---	---	---	---	---	---	---
36:								
Jubilee	0-20	12-17	---	6.1 - 7.3	0	0	0.0	0
	20-60	4.0-11	---	6.6 - 7.8	0	0	0.0	0
37:								
Jubilee	0-12	12-17	---	6.1 - 7.3	0	0	0.0	0
	12-60	4.0-11	---	6.6 - 7.8	0	0	0.0	0
38:								
Kimmerling	0-15	17-27	---	6.6 - 8.4	0-1	0	0.0-4.0	0
	15-60	17-25	---	6.6 - 7.8	0	0	0.0	0
	60-64	6.0-20	---	6.6 - 7.8	0	0	0.0	0

Table J2. - Chemical Properties of the Soils - Continued

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
38:								
40:								
Koontz	0-9	10-25	---	6.6 - 7.8	0	0	0.0	0
	9-14	15-30	---	6.1 - 7.8	0	0	0.0	0
	14-18	---	---	---	---	---	---	---
Sutro	0-6	15-25	---	6.6 - 7.3	0	0	0.0	0
	6-24	15-25	---	6.6 - 7.3	0	0	0.0	0
	24-28	---	---	---	---	---	---	---
41:								
Koontz	0-4	10-20	---	6.6 - 7.8	0	0	0.0	0
	4-9	15-30	---	6.6 - 8.4	0	0	0.0	0
	9-13	---	---	---	---	---	---	---
Sutro	0-6	15-25	---	6.6 - 7.3	0	0	0.0	0
	6-24	15-25	---	6.6 - 7.3	0	0	0.0	0
	24-28	---	---	---	---	---	---	---
42:								
Koontz	0-6	10-20	---	6.6 - 7.8	0	0	0.0	0
	6-18	15-30	---	6.6 - 8.4	0	0	0.0	0
	18-22	---	---	---	---	---	---	---
Sutro Variant	0-9	7.0-15	---	6.6 - 7.3	0	0	0.0	0
	9-51	5.0-11	---	6.6 - 7.3	0	0	0.0	0
	51-55	---	---	---	---	---	---	---
43:								
Koontz	0-6	10-20	---	6.6 - 7.8	0	0	0.0	0
	6-18	15-30	---	6.6 - 8.4	0	0	0.0	0
	18-22	---	---	---	---	---	---	---
Sutro Variant	0-9	7.0-15	---	6.6 - 7.3	0	0	0.0	0
	9-51	5.0-11	---	6.6 - 7.3	0	0	0.0	0
	51-55	---	---	---	---	---	---	---
45:								
Mottsville	0-24	5.0-20	---	5.6 - 7.3	0	0	0.0	0
	24-60	5.0-15	---	5.6 - 7.3	0	0	0.0	0
46:								
Old Camp	0-5	8.0-16	---	6.6 - 7.8	0	0	0.0	0-5
	5-11	17-23	---	6.6 - 9.0	0-5	0	0.0-2.0	0-5
	11-15	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
46:								
Holbrook Variant	0-9	6.0-11	---	6.6 - 7.3	0	0	0.0	0
	9-35	4.0-8.0	---	6.6 - 7.3	0	0	0.0	0
	35-39	---	---	---	---	---	---	---
47:								
Old Camp	0-5	8.0-16	---	6.6 - 7.8	0	0	0.0	0
	5-11	17-23	---	6.6 - 9.0	0-5	0	0.0-2.0	0-5
	11-15	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
48:								
Old Camp	0-5	8.0-16	---	6.6 - 7.8	0	0	0.0	0
	5-11	17-23	---	6.6 - 9.0	0-5	0	0.0-2.0	0-5
	11-15	---	---	---	---	---	---	---
Rubble Land	---	---	---	---	---	---	---	---
49:								
Oppio	0-6	10-20	---	7.4 - 7.8	0	0	0.0	0
	6-27	30-40	---	7.4 - 7.8	0	0	0.0	0
	27-31	---	---	---	---	---	---	---
Nosrac	0-9	25-30	---	6.1 - 7.3	0	0	0.0	0
	9-34	20-30	---	6.1 - 7.3	0	0	0.0	0
	34-60	15-25	---	6.1 - 7.3	0	0	0.0	0
50:								
Orizaba	0-9	12-20	---	9.1 - 11.0	1-5	0	8.0-16.0	15-40
	9-60	18-26	---	8.5 - 9.0	1-5	0	4.0-8.0	15-40
Kimmerling	0-26	18-25	---	6.6 - 7.3	0	0	0.0	0
	26-38	13-20	---	6.1 - 7.3	0	0	0.0	0
	38-60	3.0-7.0	---	6.6 - 7.3	0	0	0.0	0
Voltaire	0-18	20-35	---	8.5 - 9.6	1-5	0	4.0-8.0	13-30
	18-60	20-30	---	7.9 - 9.6	1-5	0	4.0-32.0	1-12
51:								
Prey	0-13	1.0-7.0	---	6.1 - 7.3	0	0	0.0	0
	13-30	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	30-35	---	---	---	---	---	---	---
	35-60	1.0-5.0	---	6.6 - 7.8	0	0	0.0	0
52:								

Table J2. - Chemical Properties of the Soils - Continued

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
52:								
Prey	0-3	4.0-10	---	7.9 - 8.4	0	0	2.0-4.0	0
	3-33	7.0-13	---	7.9 - 8.4	0	0	2.0-4.0	0
	33-36	---	---	---	---	---	---	---
	36-60	1.0-5.0	---	7.9 - 8.4	0	0	0.0-2.0	0
53:								
Prey	0-3	4.0-10	---	7.9 - 8.4	0	0	2.0-4.0	0
	3-33	7.0-13	---	7.9 - 8.4	0	0	2.0-4.0	0
	33-36	---	---	---	---	---	---	---
	36-60	1.0-5.0	---	7.9 - 8.4	0	0	0.0-2.0	0
54:								
Reno	0-3	6.0-15	---	6.1 - 7.3	0	0	0.0	0
	3-24	26-46	---	6.1 - 7.8	0	0	0.0	0
	24-29	---	---	---	---	---	---	---
	29-60	2.0-7.0	---	7.4 - 8.4	5-15	0	0.0-4.0	5-20
55:								
Reno	0-3	21-29	---	6.1 - 7.3	0	0	0.0	0
	3-20	26-44	---	6.1 - 7.8	0	0	0.0	0
	20-29	---	---	---	---	---	---	---
	29-60	2.0-7.0	---	7.4 - 8.4	0-5	0	0.0-4.0	0
56:								
Rock Outcrop	---	---	---	---	---	---	---	---
Aldax Variant	0-5	5.0-13	---	6.6 - 7.3	0	0	0.0	0
	5-15	5.0-13	---	6.6 - 7.3	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
57:								
Sagouspe	0-10	1.0-5.0	---	6.6 - 8.4	1-5	0	0.0-2.0	0
	10-60	1.0-5.0	---	7.9 - 9.6	1-10	0-2	0.0-4.0	0-5
58:								
Surprise	0-18	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	18-37	10-15	---	6.1 - 7.3	0	0	0.0	0
	37-60	5.0-10	---	6.1 - 7.3	0	0	0.0	0
59:								
Surprise	0-12	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	12-24	10-15	---	6.1 - 7.3	0	0	0.0	0
	24-60	5.0-10	---	6.1 - 7.3	0	0	0.0	0
60:								
Surprise	0-15	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	15-37	10-15	---	6.1 - 7.3	0	0	0.0	0
	37-60	5.0-10	---	6.1 - 7.3	0	0	0.0	0

Table J2. - Chemical Properties of the Soils - Continued

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
60:								
61:								
Surprise	0-7	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	7-40	10-15	---	6.1 - 7.3	0	0	0.0	0
	40-60	5.0-10	---	6.1 - 7.3	0	0	0.0	0
62:								
Tarloc	0-8	4.0-10	---	6.1 - 7.3	0	0	0.0	0
	8-22	6.0-13	---	6.1 - 7.3	0	0	0.0	0
	22-26	---	---	---	---	---	---	---
63:								
Tarloc	0-8	4.0-10	---	6.1 - 7.3	0	0	0.0	0
	8-22	6.0-13	---	6.1 - 7.3	0	0	0.0	0
	22-26	---	---	---	---	---	---	---
Glenbrook	0-9	1.0-5.0	---	6.1 - 7.3	0	0	0.0	0
	9-15	1.0-5.0	---	6.1 - 7.3	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
66:								
Toem	0-7	4.0-10	---	5.6 - 6.5	0	0	0.0	0
	7-17	1.0-3.0	---	5.6 - 6.5	0	0	0.0	0
	17-21	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
67:								
Toiyabe	0-7	3.0-10	---	5.6 - 7.3	0	0	0.0	0
	7-20	1.0-5.0	---	5.6 - 7.3	0	0	0.0	0
	20-24	---	---	---	---	---	---	---
Corbett	0-8	2.0-10	---	5.6 - 6.5	0	0	0.0	0
	8-40	1.0-5.0	---	5.6 - 6.5	0	0	0.0	0
	40-44	---	---	---	---	---	---	---
68:								
Toiyabe	0-7	3.0-10	---	5.6 - 7.3	0	0	0.0	0
	7-15	1.0-5.0	---	5.6 - 7.3	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
69:								
Toiyabe	0-6	3.0-10	---	5.6 - 7.3	0	0	0.0	0
	6-17	1.0-5.0	---	6.1 - 7.3	0	0	0.0	0
	17-21	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
69:								
Rock Outcrop	---	---	---	---	---	---	---	---
70:								
Toll	0-15	1.0-7.0	---	6.6 - 7.3	0	0	0.0	0
	15-60	1.0-7.0	---	6.6 - 7.3	0	0	0.0	0
	60-64	1.0-7.0	---	6.6 - 7.3	0	0	0.0	0
71:								
Urban Land	---	---	---	---	---	---	---	---
72:								
Ursine Variant	0-7	8.0-15	---	7.9 - 8.4	0	0	0.0	0
	7-11	---	---	---	---	---	---	---
73:								
Vamp	0-3	7.0-15	---	8.5 - 9.6	0	0	4.0-8.0	13-30
	3-24	6.0-14	---	8.5 - 9.6	1-5	0	4.0-8.0	13-30
	24-30	---	---	---	---	---	---	---
	30-60	6.0-13	---	8.5 - 9.6	0-1	0	4.0-8.0	1-12
74:								
Vamp	0-4	10-20	---	7.9 - 9.6	0	0	4.0-8.0	13-30
	4-24	10-15	---	7.9 - 9.6	1-5	0	4.0-8.0	13-30
	24-36	---	---	---	---	---	---	---
	36-60	10-15	---	7.9 - 9.6	0-1	0	2.0-8.0	1-12
75:								
Vicee	0-7	8.0-15	---	6.6 - 7.3	0	0	0.0	0
	7-46	7.0-14	---	6.6 - 7.3	0	0	0.0	0
	46-50	---	---	---	---	---	---	---
Aldax Variant	0-5	5.0-13	---	6.6 - 7.3	0	0	0.0	0
	5-15	5.0-13	---	6.6 - 7.3	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
76:								
Vicee	0-7	8.0-15	---	6.6 - 7.3	0	0	0.0	0
	7-46	7.0-14	---	6.6 - 7.3	0	0	0.0	0
	46-50	---	---	---	---	---	---	---
Aldax Variant	0-5	5.0-13	---	6.6 - 7.3	0	0	0.0	0
	5-15	5.0-13	---	6.6 - 7.3	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
77:								

Table J2. - Chemical Properties of the Soils - Continued

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
77:								
Voltaire	0-18	20-35	---	8.5 - 9.6	1-5	0	4.0-8.0	13-30
	18-60	20-30	---	7.9 - 9.6	1-5	0	4.0-32.0	1-12
78:								
Xerta	0-10	13-25	---	6.6 - 7.8	0	0	0.0	0
	10-23	25-38	---	7.4 - 8.4	1-5	0	0.0	0
	23-24	---	---	---	---	---	---	---
	24-28	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
80:								
Cagle, VERY STONY	0-4	25-35	---	6.1 - 7.8	0	0	0.0	0
	4-12	30-45	---	6.1 - 7.8	0	0	0.0	0
	12-28	30-45	---	6.1 - 7.8	0	0	0.0	0
	28-32	---	---	---	---	---	---	---
Nosrac, STONY	0-2	25-30	---	6.1 - 7.3	0	0	0.0	0
	2-9	18-25	---	6.1 - 7.3	0	0	0.0	0
	9-18	20-30	---	6.1 - 7.3	0	0	0.0	0
	18-60	15-25	---	6.1 - 7.3	0	0	0.0	0
81:								
Cagle, VERY STONY	0-3	20-30	---	6.1 - 7.8	0	0	0.0	0
	3-12	30-45	---	6.1 - 7.8	0	0	0.0	0
	12-35	30-45	---	6.1 - 7.8	0	0	0.0	0
	35-39	---	---	---	---	---	---	---
Oppio	0-4	10-20	---	5.6 - 7.3	0	0	0.0	0
	4-21	30-40	---	5.6 - 7.8	0	0	0.0	0
	21-25	---	---	---	---	---	---	---
Tristan	0-7	10-20	---	6.6 - 7.8	0	0	0.0	0
	7-28	15-35	---	6.6 - 7.8	0	0	0.0	0
	28-49	15-20	---	6.6 - 7.8	0	0	0.0	0
	49-53	---	---	---	---	---	---	---
82:								
Corbett	0-9	2.0-10	---	5.6 - 6.5	0	0	0.0	0
	9-32	1.0-5.0	---	5.6 - 6.5	0	0	0.0	0
	32-36	---	---	---	---	---	---	---
83:								
Devada	0-4	20-30	---	6.1 - 7.8	0	0	0.0	0
	4-5	20-30	---	6.1 - 7.3	0	0	0.0	0
	5-13	32-48	---	6.1 - 7.3	0	0	0.0	0
	13-17	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
83:								
Devada	0-4	20-30	---	6.1 - 7.8	0	0	0.0	0
	4-5	20-30	---	6.1 - 7.3	0	0	0.0	0
	5-13	32-48	---	6.1 - 7.3	0	0	0.0	0
	13-17	---	---	---	---	---	---	---
Koontz, EXTREMELY STONY	0-2	10-20	---	6.6 - 7.8	0	0	0.0	0
	2-5	10-25	---	6.6 - 7.8	0	0	0.0	0
	5-12	15-30	---	6.1 - 7.8	0	0	0.0	0
	12-16	---	---	---	---	---	---	---
84:								
Devada	0-4	20-30	---	6.1 - 7.3	0	0	0.0	0
	4-13	32-48	---	6.1 - 7.3	0	0	0.0	0
	13-17	---	---	---	---	---	---	---
Koontz	0-7	10-20	---	6.6 - 7.8	0	0	0.0	0
	7-14	15-30	---	6.6 - 8.4	0	0	0.0	0
	14-18	---	---	---	---	---	---	---
85:								
Devada	0-4	20-30	---	6.1 - 7.8	0	0	0.0	0
	4-13	32-48	---	6.1 - 7.8	0	0	0.0	0
	13-17	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
86:								
Devada	0-4	20-30	---	6.1 - 7.8	0	0	0.0	0
	4-13	32-48	---	6.1 - 7.8	0	0	0.0	0
	13-17	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
87:								
Eastval	0-3	5.0-13	---	6.6 - 7.3	0	0	0.0	0
	3-9	13-23	---	6.6 - 7.3	0	0	0.0	0
	9-18	22-32	---	6.6 - 7.3	0	0	0.0	0
	18-22	13-23	---	6.6 - 7.3	0	0	0.0	0
	22-31	---	---	---	---	---	---	---
	31-61	4.0-9.0	---	7.4 - 8.3	1-3	0	0.4-4.0	5-12
88:								
Erastra, EXTREMELY STONY	0-3	10-20	---	6.1 - 7.3	0	0	0.0	0
	3-7	15-25	---	6.1 - 7.3	0	0	0.0	0
	7-11	15-25	---	6.1 - 7.3	0	0	0.0	0
	11-14	15-25	---	6.1 - 7.3	0	0	0.0	0
	14-24	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
88:								
Eaglerock, VERY STONY	0-2	15-25	---	6.1 - 7.3	0	0	0.0	0
	2-5	10-20	---	6.1 - 7.3	0	0	0.0	0
	5-31	15-30	---	6.1 - 7.3	0	0	0.0	0
	31-60	---	---	---	---	---	---	---
Erastra, EXTREMELY STONY	0-3	10-20	---	6.1 - 7.3	0	0	0.0	0
	3-7	15-25	---	6.1 - 7.3	0	0	0.0	0
	7-11	15-25	---	6.1 - 7.3	0	0	0.0	0
	11-14	15-25	---	6.1 - 7.3	0	0	0.0	0
	14-24	---	---	---	---	---	---	---
89:								
Glenbrook	0-8	1.0-5.0	---	6.1 - 7.3	0	0	0.0	0
	8-15	1.0-5.0	---	6.1 - 7.3	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Glenbrook	0-9	1.0-5.0	---	6.1 - 7.3	0	0	0.0	0
	9-15	1.0-5.0	---	6.1 - 7.3	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
90:								
Godecke	0-8	7.0-13	---	7.9 - 9.6	0-2	0	16.0-32.0	46-90
	8-18	18-22	---	7.9 - 9.6	0-2	0	8.0-16.0	31-45
	18-60	3.0-10	---	7.9 - 9.0	1-5	0	4.0-8.0	13-30
91:								
Graylock	0-6	2.0-10	1.0-7.0	4.5 - 6.0	0	0	0.0	0
	6-42	0.0-5.0	1.0-3.0	4.5 - 6.0	0	0	0.0	0
	42-56	0.0-5.0	1.0-3.0	4.5 - 5.0	0	0	0.0	0
	56-60	---	---	---	---	---	---	---
Temo	0-10	2.0-10	---	5.6 - 6.5	0	0	0.0	0
	10-16	2.0-10	---	5.6 - 6.5	0	0	0.0	0
	16-20	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
92:								
Indian Creek	0-3	10-25	---	6.1 - 7.3	0	0	0.0	0
	3-20	25-45	---	6.1 - 7.8	0-1	0	0.0-2.0	0-1
	20-25	---	---	---	---	---	---	---
	25-60	5.0-20	---	6.6 - 9.0	0-5	0	0.0-4.0	0-1
93:								
Indiano	0-13	10-20	---	6.1 - 7.3	0	0	0.0	0
	13-33	15-30	---	6.1 - 7.3	0	0	0.0	0
	33-37	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
93:								
Nosrac	0-6	10-15	---	6.1 - 7.3	0	0	0.0	0
	6-52	20-30	---	6.6 - 7.3	0	0	0.0	0
	52-60	15-25	---	6.6 - 7.3	0	0	0.0	0
Old Camp	0-8	5.0-15	---	6.6 - 7.8	0	0	0.0	0
	8-17	17-23	---	6.6 - 9.0	0-5	0	0.0-2.0	0-5
	17-21	---	---	---	---	---	---	---
94:								
Kimmerling	0-8	20-30	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	8-48	20-30	---	6.6 - 7.8	0	0	0.0	0
	48-60	8.0-24	---	6.6 - 7.8	0	0	0.0	0
95:								
Koontz	0-2	10-25	---	6.6 - 7.8	0	0	0.0	0
	2-5	10-25	---	6.6 - 7.8	0	0	0.0	0
	5-12	15-30	---	6.1 - 7.8	0	0	0.0	0
	12-16	---	---	---	---	---	---	---
Sutro, VERY STONY	0-4	15-25	---	6.6 - 7.3	0	0	0.0	0
	4-6	15-25	---	6.6 - 7.3	0	0	0.0	0
	6-14	15-25	---	6.6 - 7.3	0	0	0.0	0
	14-24	15-25	---	6.6 - 7.3	0	0	0.0	0
	24-48	---	---	---	---	---	---	---
Nosrac, STONY	0-2	10-15	---	6.1 - 7.3	0	0	0.0	0
	2-9	18-25	---	6.1 - 7.3	0	0	0.0	0
	9-18	20-30	---	6.1 - 7.3	0	0	0.0	0
	18-60	15-25	---	6.1 - 7.3	0	0	0.0	0
96:								
Koontz, very stony	0-2	10-20	---	6.6 - 7.8	0	0	0.0	0
	2-5	10-25	---	6.6 - 7.8	0	0	0.0	0
	5-12	15-30	---	6.1 - 7.8	0	0	0.0	0
	12-16	---	---	---	---	---	---	---
Tristan, VERY STONY	0-7	10-20	---	6.6 - 7.8	0	0	0.0	0
	7-28	15-35	---	6.6 - 7.8	0	0	0.0	0
	28-49	15-20	---	6.6 - 7.8	0	0	0.0	0
	49-53	---	---	---	---	---	---	---
Devada, VERY STONY	0-4	20-30	---	6.1 - 7.8	0	0	0.0	0
	4-5	20-30	---	6.1 - 7.3	0	0	0.0	0
	5-13	32-48	---	6.1 - 7.3	0	0	0.0	0
	13-17	---	---	---	---	---	---	---

97:

Table J2. - Chemical Properties of the Soils - Continued

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
97:								
Leviathan, STONY	0-9	10-25	---	6.1 - 7.3	0	0	0.0	0
	9-44	25-30	---	6.1 - 7.3	0	0	0.0	0
	44-65	25-30	---	6.1 - 7.3	0	0	0.0	0
98:								
Oppio	0-6	10-20	---	7.4 - 7.8	0	0	0.0	0
	6-31	30-40	---	7.4 - 7.8	0	0	0.0	0
	31-35	---	---	---	---	---	---	---
Nosrac	0-12	25-30	---	6.1 - 7.3	0	0	0.0	0
	12-60	20-30	---	6.1 - 7.3	0	0	0.0	0
	60-64	15-25	---	6.1 - 7.3	0	0	0.0	0
99:								
Reno	0-5	6.0-15	---	6.1 - 7.3	0	0	0.0	0
	5-27	26-46	---	6.1 - 7.8	0	0	0.0	0
	27-41	---	---	---	---	---	---	---
	41-60	2.0-7.0	---	7.4 - 8.4	5-15	0	0.0-4.0	5-20
100:								
Roloc	0-2	5.0-10	---	6.1 - 7.3	0	0	0.0	0
	2-9	10-20	---	6.1 - 7.3	0	0	0.0	0
	9-11	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	11-18	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	18-22	---	---	---	---	---	---	---
Graufels, VERY STONY	0-3	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	3-10	5.0-20	---	5.6 - 7.3	0	0	0.0	0
	10-22	3.0-10	---	6.1 - 7.3	0	0	0.0	0
	22-40	---	---	---	---	---	---	---
Glenbrook, VERY STONY	0-4	1.0-5.0	---	6.1 - 7.3	0	0	0.0	0
	4-9	1.0-5.0	---	6.1 - 7.3	0	0	0.0	0
	9-15	1.0-5.0	---	6.1 - 7.3	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
103:								
Saralegui	0-4	2.0-5.0	---	6.1 - 7.3	0	0	0.0	0
	4-36	8.0-12	---	6.6 - 7.8	0	0	0.0	0
	36-61	1.0-4.0	---	6.6 - 9.0	0	0	0.0-2.0	0
104:								
Springmeyer	0-3	10-20	---	6.1 - 7.3	0	0	0.0	0
	3-10	10-20	---	6.1 - 7.3	0	0	0.0	0
	10-22	20-30	---	6.1 - 7.3	0	0	0.0	0
	22-60	15-20	---	6.6 - 8.4	0-1	0	0.0-2.0	0

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Table J2. - Chemical Properties of the Soils - Continued

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
105:								
Springmeyer	0-3	10-20	---	6.1 - 7.3	0	0	0.0	0
	3-10	10-20	---	6.1 - 7.3	0	0	0.0	0
	10-22	20-30	---	6.1 - 7.3	0	0	0.0	0
	22-60	15-20	---	6.6 - 8.4	0-1	0	0.0-2.0	0
106:								
Temo	0-10	2.0-10	---	5.6 - 6.5	0	0	0.0	0
	10-16	2.0-10	---	5.6 - 6.5	0	0	0.0	0
	16-20	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
Witefels	0-8	1.0-5.0	---	5.1 - 6.5	0	0	0.0	0
	8-35	2.0-8.0	---	5.1 - 6.5	0	0	0.0	0
	35-39	---	---	---	---	---	---	---
107:								
Toiyabe	0-9	3.0-10	---	5.6 - 7.3	0	0	0.0	0
	9-13	1.0-5.0	---	5.6 - 7.3	0	0	0.0	0
	13-17	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
Wet Areas	---	---	---	---	---	---	---	---
108:								
Toll	0-4	0.0-5.0	---	6.1 - 6.5	0	0	0.0	0
	4-54	1.0-7.0	---	6.6 - 7.3	0	0	0.0	0
	54-60	1.0-7.0	---	6.6 - 7.3	0	0	0.0	0
109:								
Toll	0-4	0.0-5.0	---	6.1 - 6.5	0	0	0.0	0
	4-54	1.0-7.0	---	6.6 - 7.3	0	0	0.0	0
	54-60	1.0-7.0	---	6.6 - 7.3	0	0	0.0	0
110:								
Uhaldi	0-2	15-25	---	5.6 - 7.3	0	0	0.0	0
	2-4	15-25	---	5.6 - 7.3	0	0	0.0	0
	4-25	20-35	---	6.1 - 7.3	0	0	0.0	0
	25-29	---	---	---	---	---	---	---
111:								
Voltaire	0-20	30-40	---	7.9 - 8.4	1-5	0	2.0-4.0	5-12
	20-60	15-30	---	7.9 - 9.0	1-5	0	4.0-8.0	13-30
Other Soils	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
113:								
Voltaire	0-20	20-30	---	7.9 - 9.6	1-5	0	16.0-32.0	46-90
	20-60	20-30	---	7.9 - 9.0	1-5	0	4.0-8.0	13-30
114:								
Water	---	---	---	---	---	---	---	---