

Table J2. - Chemical Properties of the Soils

Elko County, Nevada, Central Part

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	
010:								
Boulflat	0-6	5.0-15	---	7.4 - 7.8	0	0	0.0	0
	6-20	15-20	---	6.6 - 7.8	0	0	0.0-2.0	0
	20-34	5.0-10	---	7.9 - 8.4	5-10	0	0.0-2.0	0-5
	34-39	---	---	---	---	---	---	---
	39-43	---	---	---	---	---	---	---
Boulflat	0-6	5.0-15	---	7.4 - 7.8	0	0	0.0	0
	6-20	15-20	---	6.6 - 7.8	0	0	0.0-2.0	0
	20-34	5.0-10	---	7.9 - 8.4	5-10	0	0.0-2.0	0-5
	34-39	---	---	---	---	---	---	---
	39-43	---	---	---	---	---	---	---
Humdun	0-7	10-15	---	6.6 - 7.8	0	0	0.0	0
	7-29	5.0-15	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	29-63	5.0-15	---	7.9 - 9.0	5-15	0	2.0-4.0	2-10
011:								
Cherry Spring	0-10	10-20	---	6.6 - 7.8	0	0	0.0	0
	10-23	15-25	---	7.4 - 9.0	1-5	0	0.0	5-12
	23-41	---	---	---	---	---	---	---
	41-63	5.0-10	---	8.5 - 9.0	1-5	0	0.0-2.0	5-12
Orovada	0-7	10-15	---	6.6 - 8.4	0	0	0.0	0-5
	7-15	10-20	---	7.4 - 8.4	0-5	0	0.0-4.0	0-5
	15-60	10-20	---	7.9 - 9.6	1-15	0	4.0-16.0	1-12
Yuko	0-2	5.0-10	---	6.6 - 7.3	0	0	0.0	0
	2-6	20-25	---	6.6 - 7.3	0	0	0.0	0
	6-8	20-30	---	7.4 - 7.8	0	0	0.0	0
	8-12	---	---	---	---	---	---	---
021:								
Beta	0-5	15-25	---	6.6 - 7.3	0	0	0.0	0
	5-9	15-25	---	6.6 - 7.3	0	0	0.0	0
	9-21	30-50	---	6.6 - 7.3	0	0	0.0	0
	21-42	---	---	---	---	---	---	---
Heechee	0-11	15-25	---	6.6 - 7.3	0	0	0.0	0
	11-33	20-30	---	6.6 - 7.3	0	0	0.0	0
	33-63	10-15	---	6.6 - 7.3	0	0	0.0	0
Mcivey	0-12	15-25	---	6.6 - 7.3	0	0	0.0	0
	12-24	20-30	---	6.1 - 7.3	0	0	0.0	0
	24-42	25-35	---	6.1 - 7.3	0	0	0.0	0
	42-60	20-30	---	6.1 - 7.3	0	0	0.0	0

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
021:								
Alburz Variant	---	---	---	---	---	---	---	---
Welch	---	---	---	---	---	---	---	---
030:								
Gollaher	0-4	10-25	---	7.4 - 8.4	10-20	0	0.0	0
	4-7	5.0-20	---	7.4 - 8.4	25-40	0	0.0-2.0	0
	7-11	---	---	---	---	---	---	---
Cleavage	0-6	15-20	---	6.6 - 7.8	0	0	0.0	0
	6-15	15-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Hapgood	0-8	15-25	---	6.1 - 7.3	0	0	0.0	0
	8-31	15-20	---	6.1 - 7.3	0	0	0.0	0
	31-42	5.0-10	---	6.1 - 7.3	0	0	0.0	0
	42-46	---	---	---	---	---	---	---
060:								
Kodra	0-4	5.0-15	---	7.9 - 8.4	0	0	0.0	0
	4-22	5.0-10	---	7.9 - 9.0	1-15	0	0.0-4.0	0-12
	22-44	---	---	---	---	---	---	---
	44-60	5.0-10	---	7.9 - 9.0	5-15	0	0.0-2.0	0-5
070:								
Tenvorrd	0-7	10-25	---	7.4 - 8.4	0	0	0.0-2.0	0
	7-20	10-25	---	7.9 - 9.0	5-10	0	0.0-2.0	0-12
	20-28	---	---	---	---	---	---	---
Kodra	0-4	5.0-15	---	7.9 - 8.4	0	0	0.0	0
	4-22	5.0-10	---	7.9 - 9.0	1-15	0	0.0-4.0	0-12
	22-44	---	---	---	---	---	---	---
	44-60	5.0-10	---	7.9 - 9.0	5-15	0	0.0-2.0	0-5
080:								
Loncan Variant	0-12	15-25	---	7.4 - 8.4	1-5	0	0.0	0
	12-38	10-20	---	7.4 - 8.4	0	0	0.0	0
	38-60	10-15	---	7.9 - 8.4	5-10	0	0.0-2.0	0
110:								
Moranch	0-5	5.0-15	---	9.1 - 9.6	5-10	0	4.0-8.0	50-200
	5-20	5.0-15	---	9.1 - 9.6	5-10	0	4.0-16.0	50-200
	20-61	5.0-15	---	9.1 - 9.6	5-10	0	4.0-16.0	50-200
Ocala	0-20	10-20	---	8.5 - 9.6	5-10	0	4.0-8.0	31-90
	20-50	10-20	---	8.5 - 9.0	5-15	0	4.0-8.0	13-45
	50-60	10-15	---	8.5 - 9.0	5-15	0	4.0-8.0	13-45

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
110:								
Orovada	0-7	15-20	---	6.6 - 8.4	0	0	0.0	0
	7-15	10-20	---	7.4 - 8.4	0-5	0	0.0-4.0	0-5
	15-60	10-20	---	7.9 - 9.6	1-15	0	4.0-16.0	1-12
121:								
Pernog	0-10	15-25	---	6.6 - 7.3	0	0	0.0	0
	10-17	15-25	---	6.6 - 7.3	0	0	0.0	0
	17-21	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
131:								
Zevadez	0-5	15-25	---	6.6 - 8.4	0	0	0.0	0
	5-16	25-40	---	7.4 - 8.4	0	0	0.0-2.0	0-12
	16-33	10-20	---	7.4 - 8.4	0-4	0	0.0-2.0	0-12
	33-62	5.0-15	---	7.4 - 8.4	0-4	0	0.0-2.0	0-12
Puett	0-2	4.0-9.0	---	7.9 - 9.0	1-5	0	0.0-2.0	0
	2-11	3.0-8.0	---	7.9 - 9.0	1-5	0-1	0.0-2.0	0-5
	11-15	---	---	---	---	---	---	---
Puett	0-2	10-20	---	7.9 - 9.0	1-5	0	0.0-2.0	0-5
	2-11	5.0-10	---	7.9 - 9.0	1-5	0	0.0-2.0	0-5
	11-15	---	---	---	---	---	---	---
132:								
Zevadez	0-5	15-30	---	6.6 - 8.4	0	0	0.0	0
	5-16	25-40	---	7.4 - 8.4	0	0	0.0-2.0	0-12
	16-33	10-20	---	7.4 - 8.4	0-4	0	0.0-2.0	0-12
	33-62	5.0-15	---	7.4 - 8.4	0-4	0	0.0-2.0	0-12
Soughe	0-4	10-25	---	6.6 - 8.4	0	0	0.0	0
	4-14	20-30	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	14-18	---	---	---	---	---	---	---
Hunewill	0-7	5.0-10	---	6.6 - 7.3	0	0	0.0	0
	7-19	19-27	---	6.6 - 7.8	0	0	0.0	0
	19-62	0.0-2.0	---	6.6 - 7.8	0	0	0.0	0
133:								
Zevadez	0-5	15-30	---	6.6 - 8.4	0	0	0.0	0
	5-16	25-40	---	7.4 - 8.4	0	0	0.0-2.0	0-5
	16-33	10-20	---	7.4 - 8.4	0-4	0	0.0-2.0	0-5
	33-62	5.0-15	---	7.4 - 8.4	0-4	0	0.0-2.0	0-5

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
133:								
Wieland	0-5	15-30	---	7.4 - 8.4	0	0	0.0-2.0	0
	5-26	30-60	---	7.4 - 9.0	0-5	0	0.0-4.0	0
	26-52	25-40	---	7.9 - 9.0	5-20	0	0.0-8.0	0-5
	52-60	20-40	---	7.9 - 9.0	5-20	0	0.0-8.0	0-5
Dewar	0-5	10-25	---	6.6 - 8.4	0-1	0	0.0-2.0	0-5
	5-11	15-30	---	6.6 - 8.4	0-5	0	0.0-4.0	1-12
	11-17	10-25	---	7.9 - 8.4	5-15	0	0.0-8.0	1-12
	17-44	---	---	---	---	---	---	---
134:								
Zevadez	0-5	15-30	---	6.6 - 8.4	0	0	0.0	0
	5-16	25-40	---	7.4 - 8.4	0	0	0.0-2.0	0-12
	16-33	10-20	---	7.4 - 8.4	0-4	0	0.0-2.0	0-12
	33-62	5.0-15	---	7.4 - 8.4	0-4	0	0.0-2.0	0-12
Humdun	0-7	10-15	---	6.6 - 7.8	0	0	0.0	0
	7-29	5.0-15	---	6.6 - 8.4	0	0	0.0-2.0	1-5
	29-63	5.0-15	---	7.9 - 9.0	5-15	0	2.0-4.0	2-10
Vanwyper	0-8	15-25	---	6.6 - 7.8	0	0	0.0	0
	8-39	20-45	---	6.6 - 7.8	0	0	0.0	0
	39-43	---	---	---	---	---	---	---
135:								
Zevadez	0-5	15-30	---	6.6 - 8.4	0	0	0.0	0
	5-16	25-40	---	7.4 - 8.4	0	0	0.0-2.0	0-12
	16-33	10-20	---	7.4 - 8.4	0-4	0	0.0-2.0	0-12
	33-62	5.0-15	---	7.4 - 8.4	0-4	0	0.0-2.0	0-12
Enko	0-4	10-15	---	6.6 - 7.8	0	0	0.0	0
	4-18	5.0-15	---	6.6 - 7.8	0	0	0.0	0
	18-25	5.0-10	---	7.4 - 8.4	1-5	0	0.0-4.0	0-5
	25-60	5.0-10	---	7.9 - 9.0	1-5	0	2.0-8.0	0-5
Puett	0-2	10-20	---	7.9 - 9.0	1-5	0	0.0-2.0	0-5
	2-11	5.0-10	---	7.9 - 9.0	1-5	0	0.0-2.0	0-5
	11-15	---	---	---	---	---	---	---
141:								
Kelk	0-14	15-25	---	6.6 - 8.4	0-1	0	0.0-4.0	0-5
	14-51	20-30	---	7.4 - 8.4	1-5	0	0.0-8.0	0-12
	51-60	20-30	---	8.5 - 9.0	1-5	0	4.0-16.0	13-30
Enko	0-4	10-25	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	4-18	10-25	---	6.6 - 8.4	0	0	0.0-4.0	0-12
	18-25	10-25	---	7.4 - 9.0	0-5	0	0.0-8.0	0-12
	25-60	10-25	---	7.4 - 9.0	0-15	0	4.0-16.0	5-12

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
141:								
Kelk	0-14	15-25	---	6.6 - 8.4	0-1	0	0.0-4.0	0-5
	14-51	20-30	---	7.4 - 8.4	1-5	0	0.0-8.0	0-12
	51-60	20-30	---	8.5 - 9.0	1-5	0	4.0-16.0	13-30
142:								
Kelk	0-14	15-25	---	6.6 - 8.4	0-1	0	0.0-4.0	0-5
	14-51	20-30	---	7.4 - 8.4	1-5	0	0.0-8.0	0-12
	51-60	20-30	---	8.5 - 9.0	1-5	0	4.0-16.0	13-30
Dacker	0-7	20-25	---	6.6 - 7.8	0	0	0.0	0
	7-16	25-35	---	7.4 - 8.4	0	0	0.0-4.0	0-5
	16-25	25-35	---	7.4 - 8.4	0	0	0.0-4.0	0-5
	25-31	20-25	---	7.9 - 9.0	1-10	0	4.0-8.0	1-12
	31-52	---	---	---	---	---	---	---
Puett	0-2	10-20	---	7.9 - 9.0	1-5	0	0.0-2.0	0-5
	2-11	5.0-10	---	7.9 - 9.0	1-5	0	0.0-2.0	0-12
	11-15	---	---	---	---	---	---	---
145:								
Kelk	0-14	15-25	---	6.6 - 8.4	0-1	0	0.0-4.0	0-5
	14-51	20-30	---	7.4 - 8.4	1-5	0	0.0-8.0	0-12
	51-60	20-30	---	8.5 - 9.0	1-5	0	4.0-16.0	13-30
Ocala	0-20	10-20	---	8.5 - 9.6	5-10	0	4.0-8.0	31-90
	20-50	10-20	---	8.5 - 9.0	5-15	0	4.0-8.0	13-45
	50-60	10-15	---	8.5 - 9.0	5-15	0	4.0-8.0	13-45
Moranch	0-5	5.0-15	---	9.1 - 9.6	5-10	0	4.0-8.0	50-200
	5-20	5.0-15	---	9.1 - 9.6	5-10	0	4.0-16.0	50-200
	20-61	5.0-15	---	9.1 - 9.6	5-10	0	4.0-16.0	50-200
146:								
Kelk	0-14	15-25	---	6.6 - 8.4	0-1	0	0.0-4.0	0-5
	14-51	20-30	---	7.4 - 8.4	1-5	0	0.0-8.0	0-12
	51-60	20-30	---	8.5 - 9.0	1-5	0	4.0-16.0	13-30
Bloor	0-8	5.0-15	---	7.9 - 9.0	0	0	8.0-16.0	13-30
	8-20	15-20	---	7.9 - 9.0	0-5	1-5	8.0-32.0	46-90
	20-42	5.0-10	---	8.5 - 9.6	5-15	1-5	8.0-32.0	13-45
	42-60	5.0-15	---	8.5 - 9.6	5-15	1-5	8.0-32.0	13-45
Ocala	0-20	15-20	---	8.5 - 9.6	5-10	0	4.0-8.0	31-90
	20-50	10-20	---	8.5 - 9.0	5-15	0	4.0-8.0	13-45
	50-60	10-15	---	8.5 - 9.0	5-15	0	4.0-8.0	13-45

149:

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
149:								
Kelk	0-14	15-25	---	6.6 - 8.4	0-1	0	0.0-4.0	0-5
	14-51	20-30	---	7.4 - 8.4	1-5	0	0.0-8.0	0-12
	51-60	20-30	---	8.5 - 9.0	1-5	0	4.0-16.0	13-30
Sonoma	0-11	15-20	---	7.9 - 9.0	3-15	0	0.0-4.0	0-5
	11-62	20-25	---	7.9 - 9.0	3-15	0-1	0.0-4.0	0-12
151:								
Dewar	0-5	10-25	---	6.6 - 8.4	0-1	0	0.0-2.0	0-5
	5-11	15-30	---	6.6 - 8.4	0-5	0	0.0-4.0	0-12
	11-17	10-25	---	7.9 - 8.4	5-15	0	0.0-8.0	0-12
	17-44	---	---	---	---	---	---	---
Gance	0-4	15-25	---	6.6 - 8.4	0	0	0.0	0
	4-29	20-45	---	7.4 - 8.4	0-10	0	0.0-4.0	0
	29-68	5.0-15	---	7.9 - 9.0	10-25	0	0.0-8.0	0
Wieland	0-5	15-30	---	7.4 - 8.4	0	0	0.0-2.0	0
	5-26	30-60	---	7.4 - 9.0	0-5	0	0.0-4.0	0
	26-52	25-40	---	7.9 - 9.0	5-20	0	0.0-8.0	0-5
	52-60	20-40	---	7.9 - 9.0	5-20	0	0.0-8.0	0-5
152:								
Dewar	0-5	10-25	---	6.6 - 8.4	0-1	0	0.0-2.0	0-5
	5-11	15-30	---	6.6 - 8.4	0-5	0	0.0-4.0	0-12
	11-17	10-25	---	7.9 - 8.4	5-15	0	0.0-8.0	0-12
	17-44	---	---	---	---	---	---	---
Puett	0-2	10-20	---	7.9 - 9.0	1-5	0	0.0-2.0	0-5
	2-11	5.0-10	---	7.9 - 9.0	1-5	0	0.0-2.0	0-12
	11-15	---	---	---	---	---	---	---
Zevadez	0-5	15-30	---	6.6 - 8.4	0	0	0.0	0
	5-16	25-40	---	7.4 - 8.4	0	0	0.0-2.0	0-12
	16-33	10-20	---	7.4 - 8.4	0-4	0	0.0-2.0	0-12
	33-62	5.0-15	---	7.4 - 8.4	0-4	0	0.0-2.0	0-12
153:								
Dewar	0-5	10-25	---	6.6 - 8.4	0-1	0	0.0-2.0	0-5
	5-11	15-30	---	6.6 - 8.4	0-5	0	0.0-4.0	0-12
	11-17	10-25	---	7.9 - 8.4	5-15	0	0.0-8.0	0-12
	17-44	---	---	---	---	---	---	---
Gance	0-4	15-25	---	6.6 - 8.4	0	0	0.0	0
	4-29	20-45	---	7.4 - 8.4	0-10	0	0.0-4.0	0
	29-68	5.0-15	---	7.9 - 9.0	10-25	0	0.0-8.0	0

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
153:								
Bilbo	0-4	10-25	---	6.6 - 7.8	0	0	0.0	0
	4-22	20-40	---	6.6 - 7.8	0	0	0.0	0
	22-60	5.0-10	---	7.4 - 8.4	10-20	0	0.0-2.0	0-12
154:								
Dewar	0-5	10-25	---	6.6 - 8.4	0-1	0	0.0-2.0	0-5
	5-11	15-30	---	6.6 - 8.4	0-5	0	0.0-4.0	0-12
	11-17	10-25	---	7.9 - 8.4	5-15	0	0.0-8.0	0-12
	17-44	---	---	---	---	---	---	---
Chiara	0-4	15-28	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	4-10	15-28	---	6.6 - 9.0	0-5	0	0.0-4.0	5-25
	10-14	---	---	---	---	---	---	---
Gance	0-4	15-25	---	6.6 - 8.4	0	0	0.0	0
	4-29	20-45	---	7.4 - 8.4	0-10	0	0.0-4.0	0
	29-68	5.0-15	---	7.9 - 9.0	10-25	0	0.0-8.0	0
161:								
Sonoma	0-11	15-20	---	7.9 - 9.0	3-15	0	0.0-4.0	0-5
	11-62	20-25	---	7.9 - 9.0	3-15	0-1	0.0-4.0	0-5
Sonoma	0-11	15-20	---	7.9 - 9.0	3-15	0	0.0-4.0	0-5
	11-62	20-25	---	7.9 - 9.0	3-15	0-1	0.0-4.0	0-5
162:								
Sonoma	0-11	15-25	---	7.4 - 8.4	3-12	0	2.0-4.0	1-5
	11-62	15-30	---	7.9 - 9.0	3-12	0	2.0-8.0	0-5
Hussa	0-16	15-20	---	7.9 - 9.0	5-10	0	0.0-4.0	0
	16-60	15-25	---	7.9 - 9.0	1-10	0	0.0-4.0	0
Welsum	---	---	---	---	---	---	---	---
Crooked Creek	---	---	---	---	---	---	---	---
163:								
Sonoma	0-11	20-30	---	7.9 - 9.0	3-12	0	4.0-8.0	13-45
	11-62	20-30	---	7.9 - 9.0	3-12	0	0.0-4.0	0-5
Devilsgait	0-8	15-30	---	7.9 - 8.4	1-5	0	0.0-2.0	0-5
	8-43	15-35	---	7.9 - 8.4	0-5	0	0.0-2.0	0-5
	43-68	10-25	---	7.4 - 8.4	0-5	0	0.0-2.0	0-5
Sonoma	0-11	15-25	---	7.4 - 8.4	3-12	0	2.0-4.0	0-5
	11-62	15-30	---	7.9 - 9.0	3-12	0	2.0-8.0	0-5

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
163:								
Devilsgait	---	---	---	---	---	---	---	---
Halleck	---	---	---	---	---	---	---	---
166:								
Sonoma	0-11	15-25	---	7.4 - 8.4	3-12	0	2.0-4.0	0-5
	11-62	15-30	---	7.9 - 9.0	3-12	0	2.0-8.0	0-5
Devilsgait	0-8	15-30	---	7.9 - 8.4	1-5	0	0.0-2.0	0-5
	8-43	15-35	---	7.9 - 8.4	0-5	0	0.0-2.0	0-5
	43-68	10-25	---	7.4 - 8.4	0-5	0	0.0-2.0	0-5
167:								
Sonoma	0-11	15-20	---	7.9 - 9.0	3-15	0	0.0-4.0	0-5
	11-62	20-25	---	7.9 - 9.0	3-15	0-1	0.0-4.0	0-12
Kelk	0-14	15-25	---	6.6 - 8.4	0-1	0	0.0-4.0	0-5
	14-51	20-30	---	7.4 - 8.4	1-5	0	0.0-8.0	0-12
	51-60	20-30	---	8.5 - 9.0	1-5	0	4.0-16.0	13-30
171:								
Hussa	0-16	10-20	---	8.5 - 9.0	5-10	0	4.0-8.0	5-12
	16-60	15-25	---	8.5 - 9.0	1-10	0	4.0-8.0	1-5
Ocala	0-20	10-20	---	8.5 - 9.6	5-10	0	4.0-8.0	31-90
	20-50	10-20	---	8.5 - 9.0	5-15	0	4.0-8.0	13-45
	50-60	10-15	---	8.5 - 9.0	5-15	0	4.0-8.0	13-45
Welsum	0-20	15-25	---	7.4 - 8.4	5-10	0	0.0-2.0	0
	20-35	20-30	---	7.4 - 8.4	5-10	0	0.0-2.0	0
	35-61	0.0-10	---	7.4 - 8.4	0-5	0	0.0-2.0	0
172:								
Hussa	0-16	15-20	---	7.9 - 9.0	5-10	0	0.0-4.0	0
	16-60	15-25	---	7.9 - 9.0	1-10	0	0.0-4.0	0
Halleck	0-9	15-25	---	7.4 - 8.4	1-10	0	0.0-2.0	0
	9-36	15-25	---	7.4 - 8.4	1-10	0	0.0-2.0	0
	36-61	10-25	---	7.4 - 8.4	1-10	0	0.0-2.0	0
Welsum	0-20	15-25	---	7.4 - 8.4	5-10	0	0.0-2.0	0
	20-35	20-30	---	7.4 - 8.4	5-10	0	0.0-2.0	0
	35-61	0.0-10	---	7.4 - 8.4	0-5	0	0.0-2.0	0
Alburz	---	---	---	---	---	---	---	---

181:

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
181:								
Crooked Creek	0-5	20-25	---	6.6 - 8.4	0	0	0.0-2.0	0
	5-38	20-35	---	6.6 - 8.4	0	0	0.0-2.0	0
	38-60	15-30	---	6.6 - 8.4	0	0	0.0-2.0	0
Crooked Creek	0-7	25-35	---	6.6 - 7.8	0	0	0.0	0
	7-40	25-40	---	6.6 - 7.8	0	0	0.0	0
	40-60	1.0-10	---	6.6 - 7.8	0	0	0.0	0
Ocala	0-20	10-20	---	8.5 - 9.6	5-10	0	4.0-8.0	31-90
	20-50	10-20	---	8.5 - 9.0	5-15	0	4.0-8.0	13-45
	50-60	10-15	---	8.5 - 9.0	5-15	0	4.0-8.0	13-45
Devilsgait	---	---	---	---	---	---	---	---
Welch	---	---	---	---	---	---	---	---
182:								
Crooked Creek	0-5	25-35	---	6.6 - 8.4	0	0	0.0-2.0	0
	5-38	25-40	---	6.6 - 8.4	0	0	0.0-2.0	0
	38-60	20-30	---	6.6 - 8.4	0	0	0.0-2.0	0
Hussa	0-16	10-20	---	7.9 - 9.0	5-10	0	0.0-4.0	0-5
	16-60	15-25	---	6.6 - 9.0	1-10	0	0.0-4.0	0
Alburz	0-7	15-20	---	6.6 - 7.8	0	0	0.0	0
	7-20	5.0-15	---	6.6 - 7.3	0	0	0.0	0
	20-60	0.0-5.0	---	6.6 - 7.3	0	0	0.0	0
Crooked Dreek	---	---	---	---	---	---	---	---
Hussa Silt Loam	---	---	---	---	---	---	---	---
183:								
Crooked Creek	0-5	20-25	---	6.6 - 8.4	0	0	0.0-2.0	0
	5-38	20-35	---	6.6 - 8.4	0	0	0.0-2.0	0
	38-60	15-30	---	6.6 - 8.4	0	0	0.0-2.0	0
Welsum	0-20	15-25	---	7.4 - 8.4	5-10	0	0.0-2.0	0
	20-35	20-30	---	7.4 - 8.4	5-10	0	0.0-2.0	0
	35-61	0.0-10	---	7.4 - 8.4	0-5	0	0.0-2.0	0
Hussa	---	---	---	---	---	---	---	
Welch	---	---	---	---	---	---	---	

184:

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
184:								
Crooked Creek	0-5	20-25	---	6.6 - 8.4	0	0	0.0-2.0	0
	5-38	20-35	---	6.6 - 8.4	0	0	0.0-2.0	0
	38-60	15-30	---	6.6 - 8.4	0	0	0.0-2.0	0
Welch Silty Clay Loam	---	---	---	---	---	---	---	---
187:								
Crooked Creek	0-7	25-35	---	6.6 - 7.8	0	0	0.0	0
	7-40	25-40	---	6.6 - 7.8	0	0	0.0	0
	40-60	1.0-10	---	6.6 - 7.8	0	0	0.0	0
Devilsgait	0-8	15-30	---	7.9 - 8.4	1-5	0	0.0-2.0	0-5
	8-43	15-35	---	7.9 - 8.4	0-5	0	0.0-2.0	0-5
	43-68	10-25	---	7.4 - 8.4	0-5	0	0.0-2.0	0-5
Ocala	0-20	10-15	---	8.5 - 9.6	10-20	0	16.0-32.0	46-90
	20-50	10-20	---	8.5 - 9.6	10-20	0	4.0-16.0	13-45
	50-60	10-20	---	8.5 - 9.0	15-25	1-5	8.0-16.0	13-45
Welch, Occasionally Flooded	---	---	---	---	---	---	---	
189:								
Crooked Creek	0-7	25-35	---	6.6 - 7.8	0	0	0.0	0
	7-40	25-40	---	6.6 - 7.8	0	0	0.0	0
	40-60	1.0-10	---	6.6 - 7.8	0	0	0.0	0
Crooked Creek	0-5	20-25	---	6.6 - 8.4	0	0	0.0-2.0	0
	5-38	20-35	---	6.6 - 8.4	0	0	0.0-2.0	0
	38-60	15-30	---	6.6 - 8.4	0	0	0.0-2.0	0
Alburz	---	---	---	---	---	---	---	
Crooked Creek	---	---	---	---	---	---	---	
Cumulic Haplaquolls	---	---	---	---	---	---	---	
191:								
Tustell	0-5	10-20	---	7.4 - 8.4	0	0	0.0-2.0	0
	5-19	20-30	---	7.4 - 8.4	0	0	0.0-4.0	0
	19-30	5.0-10	---	7.9 - 9.0	5-10	0	0.0-4.0	0-5
	30-60	0.0-5.0	---	7.9 - 9.0	5-10	0	0.0-4.0	0-12
Gance	0-4	15-25	---	6.6 - 8.4	0	0	0.0	0
	4-29	20-45	---	7.4 - 8.4	0-10	0	0.0-4.0	0
	29-68	5.0-15	---	7.9 - 9.0	10-25	0	0.0-8.0	0

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
191:								
Mahala	0-4	20-25	---	6.6 - 7.3	0	0	0.0	0
	4-11	30-35	---	7.4 - 8.4	0	0	0.0-2.0	0
	11-30	20-35	---	7.4 - 8.4	0-5	0	0.0-2.0	0
	30-34	---	---	---	---	---	---	---
198:								
Tustell	0-5	10-20	---	7.4 - 8.4	0	0	0.0-2.0	0
	5-19	20-30	---	7.4 - 8.4	0	0	0.0-4.0	0
	19-30	5.0-10	---	7.9 - 9.0	5-10	0	0.0-4.0	0-5
	30-60	0.0-5.0	---	7.9 - 9.0	5-10	0	0.0-4.0	0-12
Tustell	0-5	10-20	---	7.4 - 8.4	0	0	0.0-2.0	0
	5-19	20-30	---	7.4 - 8.4	0	0	0.0-4.0	0
	19-30	5.0-10	---	7.9 - 9.0	5-10	0	0.0-4.0	0-5
	30-60	0.0-5.0	---	7.9 - 9.0	5-10	0	0.0-4.0	0-12
Gance	0-4	15-25	---	6.6 - 8.4	0	0	0.0	0
	4-29	20-45	---	7.4 - 8.4	0-10	0	0.0-4.0	0
	29-68	5.0-15	---	7.9 - 9.0	10-25	0	0.0-8.0	0
200:								
Tustell	0-5	10-20	---	7.4 - 8.4	0	0	0.0-2.0	0
	5-19	20-30	---	7.4 - 8.4	0	0	0.0-4.0	0
	19-30	5.0-10	---	7.9 - 9.0	5-10	0	0.0-4.0	0-5
	30-60	0.0-5.0	---	7.9 - 9.0	5-10	0	0.0-4.0	0-12
Zevadez	0-5	15-30	---	6.6 - 8.4	0	0	0.0	0
	5-16	25-40	---	7.4 - 8.4	0	0	0.0-2.0	0-12
	16-33	10-20	---	7.4 - 8.4	0-4	0	0.0-2.0	0-12
	33-62	5.0-15	---	7.4 - 8.4	0-4	0	0.0-2.0	0-12
Donna	0-10	15-25	---	6.1 - 7.3	0	0	0.0	0
	10-23	45-55	---	6.6 - 7.3	0	0	0.0	0
	23-33	---	---	---	---	---	---	---
	33-60	10-15	---	7.4 - 8.4	0-5	0	0.0-4.0	0
201:								
Hopeka	0-8	10-20	---	7.9 - 9.0	30-50	0	0.0-2.0	0
	8-12	---	---	---	---	---	---	---
Cavehill	0-3	15-30	---	7.9 - 9.0	10-20	0	0.0	0
	3-16	15-25	---	7.9 - 9.0	20-40	0	0.0	0
	16-37	10-20	---	7.9 - 9.0	30-50	0	0.0-2.0	0
	37-41	---	---	---	---	---	---	---
206:								
Hopeka	0-8	10-20	---	7.9 - 9.0	30-50	0	0.0-2.0	0
	8-12	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
206:								
Grina	0-7	20-25	---	7.9 - 8.4	20-30	0	0.0	0
	7-18	15-20	---	7.9 - 8.4	20-40	0	0.0	0
	18-22	---	---	---	---	---	---	---
Izod	0-3	10-20	---	7.4 - 8.4	40-50	0	0.0	0
	3-13	10-15	---	7.4 - 8.4	40-50	0	0.0-2.0	0
	13-17	---	---	---	---	---	---	---
211:								
Mcivey	0-12	15-25	---	6.6 - 7.3	0	0	0.0	0
	12-24	20-30	---	6.1 - 7.3	0	0	0.0	0
	24-42	25-35	---	6.1 - 7.3	0	0	0.0	0
	42-60	20-30	---	6.1 - 7.3	0	0	0.0	0
Igdell	0-17	15-20	---	6.6 - 7.3	0	0	0.0	0
	17-38	25-35	---	6.6 - 7.8	0	0	0.0	0
	38-39	15-20	---	7.4 - 8.4	0-5	0	0.0-2.0	0-5
	39-40	---	---	---	---	---	---	---
Bilbo	0-4	10-25	---	6.6 - 7.8	0	0	0.0	0
	4-22	20-40	---	6.6 - 7.8	0	0	0.0-2.0	0-5
	22-60	5.0-10	---	7.4 - 8.4	10-20	0	0.0-2.0	0-5
Crooked Creek	---	---	---	---	---	---	---	
212:								
Mcivey	0-12	15-25	---	6.6 - 7.3	0	0	0.0	0
	12-24	20-30	---	6.1 - 7.3	0	0	0.0	0
	24-42	25-35	---	6.1 - 7.3	0	0	0.0	0
	42-60	20-30	---	6.1 - 7.3	0	0	0.0	0
Eboda	0-9	15-25	---	6.6 - 7.8	0	0	0.0	0
	9-33	15-20	---	6.6 - 7.8	0	0	0.0	0
	33-39	5.0-20	---	6.6 - 7.8	0	0	0.0	0
	39-43	---	---	---	---	---	---	---
Akler	0-6	10-20	---	6.6 - 7.8	0	0	0.0	0
	6-17	30-35	---	6.6 - 7.8	0	0	0.0	0
	17-21	---	---	---	---	---	---	---
Welch, Frequently Flooded	---	---	---	---	---	---	---	
213:								
Mcivey	0-12	15-25	---	6.6 - 7.3	0	0	0.0	0
	12-24	20-30	---	6.1 - 7.3	0	0	0.0	0
	24-42	25-35	---	6.1 - 7.3	0	0	0.0	0
	42-60	20-30	---	6.1 - 7.3	0	0	0.0	0

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
213:								
Quarz	0-4	15-25	---	6.6 - 7.8	0	0	0.0	0
	4-26	30-55	---	6.6 - 7.8	0	0	0.0	0
	26-30	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
215:								
Mcivey	0-12	15-25	---	6.6 - 7.3	0	0	0.0	0
	12-24	20-30	---	6.1 - 7.3	0	0	0.0	0
	24-42	25-35	---	6.1 - 7.3	0	0	0.0	0
	42-60	20-30	---	6.1 - 7.3	0	0	0.0	0
Short Creek	0-3	10-15	---	6.6 - 7.3	0	0	0.0	0
	3-45	25-30	---	6.6 - 8.4	0	0	0.0	0
	45-64	20-25	---	7.9 - 9.0	1-5	0	0.0	0
Cotant	0-3	20-30	---	6.6 - 7.8	0	0	0.0	0
	3-19	25-50	---	6.6 - 7.8	0	0	0.0	0
	19-31	---	---	---	---	---	---	---
218:								
Mcivey	0-12	15-25	---	6.6 - 7.3	0	0	0.0	0
	12-24	20-30	---	6.1 - 7.3	0	0	0.0	0
	24-42	25-35	---	6.1 - 7.3	0	0	0.0	0
	42-46	20-30	---	6.1 - 7.3	0	0	0.0	0
Stampede	0-11	15-25	---	6.1 - 7.3	0	0	0.0	0
	11-35	25-35	---	6.6 - 7.8	0	0	0.0	0
	35-45	---	---	---	---	---	---	---
Heechee	0-11	15-25	---	6.6 - 7.3	0	0	0.0	0
	11-33	20-30	---	6.6 - 7.3	0	0	0.0	0
	33-63	10-15	---	6.6 - 7.3	0	0	0.0	0
219:								
Chen	0-5	15-25	---	6.1 - 7.8	0	0	0.0	0
	5-15	25-40	---	6.1 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Mcivey	0-18	15-30	---	6.6 - 7.3	0	0	0.0	0
	18-23	20-30	---	6.1 - 7.3	0	0	0.0	0
	23-62	25-30	---	6.1 - 7.3	0	0	0.0	0
Tweener	0-4	10-15	---	6.6 - 7.3	0	0	0.0	0
	4-10	20-30	---	6.6 - 7.3	0	0	0.0	0
	10-14	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
221:								
Enko	0-4	10-25	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	4-18	10-25	---	6.6 - 8.4	0	0	0.0-4.0	0-12
	18-25	10-25	---	7.4 - 9.0	0-5	0	0.0-8.0	0-12
	25-60	10-25	---	7.4 - 9.0	0-15	0	4.0-16.0	5-12
Kelk	0-14	15-25	---	6.6 - 8.4	0-1	0	0.0-4.0	0-5
	14-51	20-30	---	7.4 - 8.4	1-5	0	0.0-8.0	0-12
	51-60	20-30	---	8.5 - 9.0	1-5	0	4.0-16.0	13-30
Enko	0-4	10-20	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	4-18	10-20	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	18-25	5.0-20	---	7.4 - 9.0	1-5	0	0.0-8.0	0-12
	25-60	5.0-15	---	7.4 - 9.0	1-5	0	4.0-16.0	13-45
222:								
Enko	0-4	10-25	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	4-18	10-25	---	6.6 - 8.4	0	0	0.0-4.0	0-12
	18-25	10-25	---	7.4 - 9.0	0-5	0	0.0-8.0	0-12
	25-60	10-25	---	7.4 - 9.0	0-15	0	4.0-16.0	5-12
Zevadez	0-5	15-30	---	6.6 - 8.4	0	0	0.0	0
	5-16	25-40	---	7.4 - 8.4	0	0	0.0-2.0	0-12
	16-33	10-20	---	7.4 - 8.4	0-4	0	0.0-2.0	0-12
	33-62	5.0-15	---	7.4 - 8.4	0-4	0	0.0-2.0	0-12
Puett	0-2	10-20	---	7.9 - 9.0	1-5	0	0.0-2.0	0-5
	2-11	5.0-10	---	7.9 - 9.0	1-5	0	0.0-2.0	0-12
	11-15	---	---	---	---	---	---	---
223:								
Enko	0-4	10-20	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	4-18	10-20	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	18-25	5.0-20	---	7.4 - 9.0	1-5	0	0.0-8.0	0-12
	25-60	5.0-15	---	7.4 - 9.0	1-5	0	4.0-16.0	13-45
Kelk	0-14	15-25	---	6.6 - 8.4	0-1	0	0.0-4.0	0-5
	14-51	20-30	---	7.4 - 8.4	1-5	0	0.0-8.0	0-12
	51-60	20-30	---	8.5 - 9.0	1-5	0	4.0-16.0	13-30
Connel	0-7	10-20	---	6.6 - 8.4	0	0	0.0	0-5
	7-20	10-30	---	7.4 - 9.6	0-5	0	0.0-2.0	1-12
	20-60	2.0-10	---	7.9 - 9.6	1-10	0-2	0.0-2.0	13-30
224:								
Enko	0-4	10-25	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	4-18	10-25	---	6.6 - 8.4	0	0	0.0-4.0	0-12
	18-25	10-25	---	7.4 - 9.0	0-5	0	0.0-8.0	0-12
	25-60	10-25	---	7.4 - 9.0	0-15	0	4.0-16.0	5-12

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
224:								
Enko	0-4	10-15	---	6.6 - 7.8	0	0	0.0	0
	4-18	5.0-15	---	6.6 - 7.8	0	0	0.0	0
	18-25	5.0-10	---	7.4 - 8.4	1-5	0	0.0-4.0	0-5
	25-60	5.0-10	---	7.9 - 9.0	1-5	0	2.0-8.0	0-5
225:								
Enko	0-4	10-25	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	4-18	10-25	---	6.6 - 8.4	0	0	0.0-4.0	0-12
	18-25	10-25	---	7.4 - 9.0	0-5	0	0.0-8.0	0-12
	25-60	10-25	---	7.4 - 9.0	0-15	0	4.0-16.0	5-12
Hunnton	0-6	10-25	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	6-14	15-25	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	14-28	35-55	---	7.4 - 8.4	0-5	0	0.0-4.0	0-5
	28-42	---	---	---	---	---	---	---
	42-60	1.0-10	---	7.9 - 9.0	15-40	0	0.0-4.0	0-12
226:								
Enko	0-4	10-30	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	4-18	10-25	---	6.6 - 8.4	0	0	0.0-4.0	0-12
	18-25	10-25	---	7.4 - 9.0	0-5	0	0.0-8.0	0-12
	25-60	10-25	---	7.4 - 9.0	0-15	0	4.0-16.0	5-12
Rad	0-7	10-15	---	6.6 - 7.8	0	0	0.0-2.0	0-5
	7-26	5.0-10	---	7.4 - 9.0	0	0	0.0-4.0	0-13
	26-56	5.0-10	---	7.9 - 9.6	0-5	0	8.0-16.0	13-30
	56-62	5.0-10	---	7.9 - 9.6	1-5	0	8.0-16.0	13-30
227:								
Enko	0-4	10-30	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	4-18	10-25	---	6.6 - 8.4	0	0	0.0-4.0	0-12
	18-25	10-25	---	7.4 - 9.0	0-5	0	0.0-8.0	0-12
	25-60	10-25	---	7.4 - 9.0	0-15	0	4.0-16.0	5-12
Wieland	0-5	10-20	---	7.4 - 8.4	0	0	0.0-2.0	0-5
	5-26	25-45	---	7.4 - 9.0	0-5	0	0.0-4.0	0-12
	26-52	15-30	---	7.9 - 9.0	5-20	0	0.0-8.0	0-12
	52-60	5.0-15	---	7.9 - 9.0	5-20	0	0.0-8.0	0-12
Enko	0-4	10-15	---	6.6 - 7.8	0	0	0.0	0
	4-18	5.0-15	---	6.6 - 7.8	0	0	0.0	0
	18-25	5.0-10	---	7.4 - 8.4	1-5	0	0.0-4.0	0-5
	25-60	5.0-10	---	7.9 - 9.0	1-5	0	2.0-8.0	0-5

228:

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
228:								
Enko	0-4	10-25	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	4-18	10-25	---	6.6 - 8.4	0	0	0.0-4.0	0-12
	18-25	10-25	---	7.4 - 9.0	0-5	0	0.0-8.0	0-12
	25-60	10-25	---	7.4 - 9.0	0-15	0	4.0-16.0	5-12
Kelk	0-14	15-25	---	6.6 - 8.4	0-1	0	0.0-4.0	0-5
	14-51	20-30	---	7.4 - 8.4	1-5	0	0.0-8.0	0-12
	51-60	20-30	---	8.5 - 9.0	1-5	0	4.0-16.0	5-30
229:								
Enko	0-4	10-30	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	4-18	10-25	---	6.6 - 8.4	0	0	0.0-4.0	0-12
	18-25	10-25	---	7.4 - 9.0	0-5	0	0.0-8.0	0-12
	25-60	10-25	---	7.4 - 9.0	0-15	0	4.0-16.0	5-12
Puett	0-2	4.0-9.0	---	7.9 - 9.0	1-5	0	0.0-2.0	0
	2-11	3.0-8.0	---	7.9 - 9.0	1-5	0-1	0.0-2.0	0-5
	11-15	---	---	---	---	---	---	---
232:								
Bioya	0-14	10-20	---	7.4 - 8.4	0	0	0.0-2.0	0
	14-27	10-20	---	7.4 - 9.6	1-5	0	2.0-4.0	5-12
	27-41	---	---	---	---	---	---	---
	41-60	5.0-10	---	7.9 - 8.4	1-10	0	2.0-4.0	5-12
Orovada	0-7	10-15	---	6.6 - 8.4	0	0	0.0	0
	7-15	10-20	---	7.4 - 8.4	0-5	0	0.0-4.0	0-5
	15-60	10-20	---	7.9 - 9.6	1-15	0	4.0-16.0	5-30
236:								
Cleavage	0-6	10-25	---	6.6 - 7.8	0	0	0.0	0
	6-15	15-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Bullump	0-23	15-30	---	6.1 - 7.8	0	0	0.0	0
	23-54	10-25	---	6.1 - 7.8	0	0	0.0	0
	54-58	---	---	---	---	---	---	---
Hapgood	0-8	15-25	---	6.1 - 7.3	0	0	0.0	0
	8-31	15-20	---	6.1 - 7.3	0	0	0.0	0
	31-42	5.0-10	---	6.1 - 7.3	0	0	0.0	0
	42-46	---	---	---	---	---	---	---
237:								
Cleavage	0-6	15-20	---	6.6 - 7.8	0	0	0.0	0
	6-15	15-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
237:								
Tweener	0-4	10-15	---	6.6 - 7.3	0	0	0.0	0
	4-10	20-30	---	6.6 - 7.3	0	0	0.0	0
	10-14	---	---	---	---	---	---	---
Pernog	0-10	15-25	---	6.6 - 7.3	0	0	0.0	0
	10-17	15-25	---	6.6 - 7.3	0	0	0.0	0
	17-21	---	---	---	---	---	---	---
Welch	---	---	---	---	---	---	---	---
238:								
Cleavage	0-6	15-20	---	6.6 - 7.8	0	0	0.0	0
	6-15	15-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Tweener	0-4	10-15	---	6.6 - 7.3	0	0	0.0	0
	4-10	20-30	---	6.6 - 7.3	0	0	0.0	0
	10-14	---	---	---	---	---	---	---
Graley	0-7	10-20	---	6.6 - 7.8	0	0	0.0	0
	7-17	25-35	---	6.6 - 7.8	0	0	0.0	0
	17-21	---	---	---	---	---	---	---
239:								
Cleavage	0-6	15-20	---	6.6 - 7.8	0	0	0.0	0
	6-15	15-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Cleavage	0-6	15-25	---	6.6 - 7.8	0	0	0.0	0
	6-15	15-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Vitale	0-6	8.0-20	---	6.1 - 7.3	0	0	0.0	0
	6-23	10-25	---	6.6 - 7.8	0	0	0.0	0
	23-27	---	---	---	---	---	---	---
240:								
Cleavage	0-6	15-25	---	6.6 - 7.8	0	0	0.0	0
	6-15	15-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Cleavage	0-6	15-25	---	6.6 - 7.8	0	0	0.0	0
	6-15	15-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
241:								

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
241:								
Cleavage	0-6	15-25	---	6.6 - 7.8	0	0	0.0	0
	6-15	15-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Cleavage	0-6	10-25	---	6.6 - 7.8	0	0	0.0	0
	6-15	15-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Loncan	0-14	15-20	---	6.6 - 7.3	0	0	0.0	0
	14-31	10-15	---	6.6 - 7.3	0	0	0.0	0
	31-35	---	---	---	---	---	---	---
242:								
Cleavage	0-6	15-25	---	6.6 - 7.8	0	0	0.0	0
	6-15	15-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Loncan	0-14	15-20	---	6.6 - 7.3	0	0	0.0	0
	14-31	10-15	---	6.6 - 7.3	0	0	0.0	0
	31-35	---	---	---	---	---	---	---
Lyra	0-2	15-20	---	6.6 - 7.3	0	0	0.0	0
	2-7	20-25	---	6.6 - 7.3	0	0	0.0	0
	7-12	20-30	---	7.4 - 8.4	0	0	0.0	0
	12-16	---	---	---	---	---	---	---
243:								
Cleavage	0-6	15-25	---	6.6 - 7.8	0	0	0.0	0
	6-15	15-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Sumine	0-6	20-30	---	6.6 - 7.8	0	0	0.0	0
	6-27	20-30	---	6.6 - 7.8	0	0	0.0	0
	27-31	---	---	---	---	---	---	---
Mcivey	0-18	15-30	---	6.6 - 7.3	0	0	0.0	0
	18-23	20-30	---	6.1 - 7.3	0	0	0.0	0
	23-62	25-30	---	6.1 - 7.3	0	0	0.0	0
Crooked Creek	---	---	---	---	---	---	---	
244:								
Cleavage	0-6	15-25	---	6.6 - 7.8	0	0	0.0	0
	6-15	15-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
244:								
Cleavage	0-6	15-25	---	6.6 - 7.8	0	0	0.0	0
	6-15	15-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Eboda	0-9	15-25	---	6.6 - 7.8	0	0	0.0	0
	9-33	15-20	---	6.6 - 7.8	0	0	0.0	0
	33-39	5.0-20	---	6.6 - 7.8	0	0	0.0	0
	39-43	---	---	---	---	---	---	---
245:								
Cleavage	0-6	15-25	---	6.6 - 7.8	0	0	0.0	0
	6-15	15-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Glean	0-7	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	7-25	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	25-60	5.0-10	---	6.1 - 7.3	0	0	0.0	0
	60-64	---	---	---	---	---	---	---
Inpendence	0-9	25-35	---	4.5 - 6.5	0	0	0.0	0
	9-60	10-20	---	4.5 - 6.5	0	0	0.0	0
247:								
Cleavage	0-6	15-20	---	6.6 - 7.8	0	0	0.0	0
	6-15	15-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Sumine	0-6	20-30	---	6.6 - 7.8	0	0	0.0	0
	6-27	20-30	---	6.6 - 7.8	0	0	0.0	0
	27-31	---	---	---	---	---	---	---
Hapgood	0-8	15-25	---	6.1 - 7.3	0	0	0.0	0
	8-31	15-20	---	6.1 - 7.3	0	0	0.0	0
	31-42	5.0-10	---	6.1 - 7.3	0	0	0.0	0
	42-46	---	---	---	---	---	---	---
248:								
Cleavage	0-6	15-25	---	6.6 - 7.8	0	0	0.0	0
	6-15	15-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Lerrow	0-5	15-20	---	6.6 - 7.3	0	0	0.0	0
	5-15	20-25	---	6.6 - 7.3	0	0	0.0	0
	15-32	25-30	---	6.6 - 7.8	0	0	0.0	0
	32-36	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
248:								
Tweener	0-4	10-15	---	6.6 - 7.3	0	0	0.0	0
	4-10	20-30	---	6.6 - 7.3	0	0	0.0	0
	10-14	---	---	---	---	---	---	---
Welch, Frequently Flooded	---	---	---	---	---	---	---	---
251:								
Kelk	0-14	15-25	---	6.6 - 8.4	0-1	0	0.0-4.0	0-5
	14-51	20-30	---	7.4 - 8.4	1-5	0	0.0-8.0	0-12
	51-60	20-30	---	8.5 - 9.0	1-5	0	4.0-16.0	13-30
Ocala	0-20	10-20	---	8.5 - 9.6	5-10	0	4.0-8.0	31-90
	20-60	10-20	---	8.5 - 9.0	5-15	0	4.0-8.0	13-45
Devilsgait	0-8	15-30	---	7.9 - 8.4	1-5	0	0.0-2.0	0-5
	8-43	15-35	---	7.9 - 8.4	0-5	0	0.0-2.0	0-5
	43-68	10-25	---	7.4 - 8.4	0-5	0	0.0-2.0	0-5
Crooked Creek	---	---	---	---	---	---	---	---
Woofus	---	---	---	---	---	---	---	---
256:								
Ocala	0-20	10-15	---	8.5 - 9.6	10-20	0	16.0-32.0	46-90
	20-50	10-20	---	8.5 - 9.0	15-25	1-5	4.0-32.0	13-90
	50-60	1.0-5.0	---	8.5 - 9.0	15-25	1-5	4.0-8.0	13-45
Ocala	0-20	10-15	---	8.5 - 9.6	10-20	0	16.0-32.0	46-90
	20-50	10-20	---	8.5 - 9.6	10-20	0	4.0-32.0	13-45
	50-60	10-20	---	8.5 - 9.0	15-25	1-5	8.0-16.0	13-45
258:								
Ocala	0-20	10-20	---	8.5 - 9.6	5-10	0	4.0-8.0	31-90
	20-50	10-20	---	8.5 - 9.0	5-15	0	4.0-8.0	13-45
	50-60	10-15	---	8.5 - 9.0	5-15	0	4.0-8.0	13-45
Devilsgait	0-8	15-25	---	7.9 - 9.0	1-5	0	0.0-4.0	0
	8-43	15-25	---	7.9 - 9.0	1-5	0	0.0-4.0	0
	43-68	10-20	---	7.4 - 8.4	0-5	0	0.0-4.0	0
Devilsgait	0-8	15-20	---	7.9 - 9.0	1-5	0	0.0-4.0	0
	8-43	15-25	---	7.9 - 9.0	1-5	0	0.0-4.0	0
	43-68	10-15	---	7.4 - 8.4	0-5	0	0.0-4.0	0
Devilsgait	---	---	---	---	---	---	---	---
259:								

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
259:								
Ocala	0-20	10-15	---	8.5 - 9.6	10-20	0	16.0-32.0	46-90
	20-50	10-20	---	8.5 - 9.6	10-20	0	8.0-16.0	13-45
	50-60	10-20	---	8.5 - 9.0	15-25	1-5	8.0-16.0	13-45
Sonoma	0-11	15-20	---	7.9 - 9.0	3-15	0	0.0-4.0	0-5
	11-62	20-25	---	7.9 - 9.0	3-15	0-1	0.0-4.0	0-5
260:								
Ocala	0-20	10-20	---	8.5 - 9.6	5-10	0	4.0-8.0	46-90
	20-50	10-20	---	8.5 - 9.0	5-15	0	4.0-8.0	13-45
	50-60	10-15	---	8.5 - 9.0	5-15	0	4.0-8.0	13-45
Halleck	0-9	15-25	---	7.4 - 8.4	1-10	0	0.0-2.0	0
	9-36	15-25	---	7.4 - 8.4	1-10	0	0.0-2.0	0
	36-61	10-25	---	7.4 - 8.4	1-10	0	0.0-2.0	0
261:								
Linkup	0-3	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	3-8	15-30	---	6.1 - 7.3	0	0	0.0	0
	8-16	25-35	---	6.1 - 7.8	0	0	0.0	0
	16-20	---	---	---	---	---	---	---
Roca	0-5	25-35	---	6.6 - 7.8	0	0	0.0	0
	5-29	30-40	---	6.6 - 8.4	0-10	0	0.0-2.0	0
	29-33	---	---	---	---	---	---	---
Vanwyper	0-8	15-25	---	6.6 - 7.8	0	0	0.0	0
	8-39	20-45	---	6.6 - 7.8	0	0	0.0	0
	39-43	---	---	---	---	---	---	---
262:								
Linkup	0-3	5.0-20	---	6.1 - 7.3	0	0	0.0	0
	3-8	15-30	---	6.1 - 7.3	0	0	0.0	0
	8-16	25-35	---	6.1 - 7.8	0	0	0.0	0
	16-20	---	---	---	---	---	---	---
Roca	0-5	25-35	---	6.6 - 7.8	0	0	0.0	0
	5-29	30-40	---	6.6 - 8.4	0-10	0	0.0-2.0	0-5
	29-33	---	---	---	---	---	---	---
271:								
Pernty	0-2	15-20	---	6.6 - 7.3	0	0	0.0	0
	2-18	15-20	---	6.6 - 7.3	0	0	0.0	0
	18-22	---	---	---	---	---	---	---
Shivlum	0-9	15-20	---	6.6 - 7.8	0	0	0.0	0
	9-34	15-25	---	6.6 - 7.8	0	0	0.0	0
	34-60	15-20	---	6.6 - 7.8	0	0	0.0	0

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
271:								
272:								
Perty	0-2	15-20	---	6.6 - 7.3	0	0	0.0	0
	2-18	15-20	---	6.6 - 7.3	0	0	0.0	0
	18-22	---	---	---	---	---	---	---
Sumine	0-6	20-30	---	6.6 - 7.8	0	0	0.0	0
	6-27	20-30	---	6.6 - 7.8	0	0	0.0	0
	27-31	---	---	---	---	---	---	---
Cleavage	0-6	15-20	---	6.6 - 7.8	0	0	0.0	0
	6-15	15-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
282:								
Bloor	0-8	5.0-15	---	7.9 - 9.0	0	0	8.0-16.0	13-30
	8-20	15-20	---	7.9 - 9.0	0-5	1-5	16.0-32.0	46-90
	20-42	5.0-10	---	8.5 - 9.6	5-15	1-5	8.0-16.0	13-45
	42-60	5.0-15	---	8.5 - 9.6	5-15	1-5	8.0-16.0	13-45
Enko	0-4	10-25	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	4-18	10-25	---	6.6 - 8.4	0	0	0.0-4.0	0-12
	18-25	10-25	---	7.4 - 9.0	0-5	0	0.0-8.0	0-12
	25-60	10-25	---	7.4 - 9.0	0-15	0	4.0-16.0	5-12
283:								
Bloor	0-8	5.0-15	---	7.9 - 9.0	0	0	4.0-8.0	13-30
	8-20	15-20	---	7.9 - 9.0	0-5	1-5	16.0-32.0	31-45
	20-42	5.0-10	---	8.5 - 9.6	5-15	1-5	8.0-16.0	13-45
	42-60	5.0-15	---	8.5 - 9.6	5-15	1-5	8.0-16.0	13-45
Connel	0-7	10-20	---	6.6 - 8.4	0	0	0.0	0-5
	7-20	10-30	---	7.4 - 9.6	0-5	0	0.0-2.0	1-12
	20-60	2.0-10	---	7.9 - 9.6	1-10	0-2	0.0-2.0	13-30
Kelk	0-14	15-25	---	6.6 - 8.4	0-1	0	0.0-4.0	0-5
	14-51	20-30	---	7.4 - 8.4	1-5	0	0.0-8.0	0-12
	51-60	20-30	---	8.5 - 9.0	1-5	0	4.0-16.0	13-30
291:								
Tweba	0-19	15-20	---	7.4 - 9.0	1-10	0	0.0-4.0	0-12
	19-34	5.0-15	---	7.4 - 9.0	1-10	0	0.0-4.0	0-12
	34-60	0.0-10	---	7.4 - 9.0	1-10	0	0.0-2.0	0-5
Moranch	0-5	5.0-15	---	9.1 - 9.6	5-10	0	4.0-8.0	50-200
	5-20	5.0-15	---	9.1 - 9.6	5-10	0	4.0-16.0	50-200
	20-61	5.0-15	---	9.1 - 9.6	5-10	0	4.0-16.0	50-200

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
294:								
Sonoma Variant	0-2	10-20	---	9.1 - 9.6	5-10	0	4.0-8.0	31-90
	2-29	5.0-10	---	7.9 - 9.0	5-10	0	0.0-2.0	0-12
	29-61	0.0-5.0	---	8.5 - 9.0	5-10	0	0.0-2.0	0-12
Halleck	0-9	15-25	---	7.4 - 8.4	1-10	0	0.0-2.0	0
	9-36	15-25	---	7.4 - 8.4	1-10	0	0.0-2.0	0
	36-61	10-25	---	7.4 - 8.4	1-10	0	0.0-2.0	0
303:								
Akler	0-6	10-20	---	6.6 - 7.8	0	0	0.0	0
	6-17	30-35	---	6.6 - 7.8	0	0	0.0	0
	17-21	---	---	---	---	---	---	---
Cleavage	0-6	10-25	---	6.6 - 7.8	0	0	0.0	0
	6-15	15-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Mcivey	0-12	15-25	---	6.6 - 7.3	0	0	0.0	0
	12-24	20-30	---	6.1 - 7.3	0	0	0.0	0
	24-42	25-35	---	6.1 - 7.3	0	0	0.0	0
	42-60	20-30	---	6.1 - 7.3	0	0	0.0	0
304:								
Akler	0-6	20-25	---	6.6 - 7.8	0	0	0.0	0
	6-17	30-35	---	6.6 - 7.8	0	0	0.0	0
	17-21	---	---	---	---	---	---	---
Yuko	0-2	5.0-15	---	6.6 - 7.3	0	0	0.0	0
	2-6	20-25	---	6.6 - 7.3	0	0	0.0	0
	6-8	20-30	---	7.4 - 7.8	0	0	0.0	0
	8-12	---	---	---	---	---	---	---
Welch	0-9	15-20	---	6.1 - 7.3	0	0	0.0	0
	9-61	25-35	---	6.1 - 7.8	0	0	0.0	0
305:								
Akler	0-6	15-20	---	6.6 - 7.8	0	0	0.0	0
	6-17	30-35	---	6.6 - 7.8	0	0	0.0	0
	17-21	---	---	---	---	---	---	---
Kleckner	0-9	15-25	---	6.6 - 7.8	0	0	0.0	0
	9-25	20-35	---	7.4 - 7.8	0	0	0.0	0
	25-41	20-30	---	7.4 - 7.8	0	0	0.0	0
	41-63	5.0-10	---	7.4 - 7.8	0	0	0.0	0
Short Creek	0-3	10-15	---	6.6 - 7.3	0	0	0.0	0
	3-45	25-30	---	6.6 - 8.4	0	0	0.0	0
	45-64	20-25	---	7.9 - 9.0	1-5	0	0.0	0

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
305:								
306:								
Akler	0-6	10-20	---	6.6 - 7.8	0	0	0.0	0
	6-17	30-35	---	6.6 - 7.8	0	0	0.0	0
	17-21	---	---	---	---	---	---	---
Quarz	0-4	20-30	---	6.6 - 7.8	0	0	0.0	0
	4-26	30-50	---	6.6 - 7.8	0	0	0.0	0
	26-30	---	---	---	---	---	---	---
Soughe	0-4	10-25	---	6.6 - 8.4	0	0	0.0	0
	4-14	20-30	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	14-18	---	---	---	---	---	---	---
307:								
Akler	0-6	15-20	---	6.6 - 7.8	0	0	0.0	0
	6-17	30-35	---	6.6 - 7.8	0	0	0.0	0
	17-21	---	---	---	---	---	---	---
Lerrow	0-5	15-20	---	6.6 - 7.3	0	0	0.0	0
	5-15	20-25	---	6.6 - 7.3	0	0	0.0	0
	15-32	25-30	---	6.6 - 7.8	0	0	0.0	0
	32-36	---	---	---	---	---	---	---
Crooked Creek	---	---	---	---	---	---	---	---
Welch	---	---	---	---	---	---	---	---
309:								
Akler	0-6	10-20	---	6.6 - 7.8	0	0	0.0	0
	6-17	30-35	---	6.6 - 7.8	0	0	0.0	0
	17-21	---	---	---	---	---	---	---
Vanwyper	0-10	25-35	---	6.6 - 7.3	0	0	0.0	0
	10-25	20-30	---	6.6 - 7.8	0	0	0.0	0
	25-29	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
311:								
Shayla	0-5	20-25	---	7.9 - 9.0	5-10	0	0.0-2.0	0
	5-13	15-20	---	7.9 - 9.0	5-10	0	0.0-2.0	0
	13-17	---	---	---	---	---	---	---
Dewar	0-5	10-25	---	6.6 - 8.4	0-1	0	0.0-2.0	0-5
	5-11	15-30	---	6.6 - 8.4	0-5	0	0.0-4.0	0-12
	11-17	10-25	---	7.9 - 8.4	5-15	0	0.0-8.0	0-12
	17-44	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
311:								
Vanwyper	0-10	25-35	---	6.6 - 7.3	0	0	0.0	0
	10-25	20-30	---	6.6 - 7.8	0	0	0.0	0
	25-29	---	---	---	---	---	---	---
Devilsgait	---	---	---	---	---	---	---	---
321:								
Grina	0-7	10-20	---	7.9 - 8.4	20-30	0	0.0	0
	7-18	15-20	---	7.9 - 8.4	20-40	0	0.0	0
	18-22	---	---	---	---	---	---	---
Lyra	0-2	15-20	---	6.6 - 7.3	0	0	0.0	0
	2-7	20-25	---	6.6 - 7.3	0	0	0.0	0
	7-12	20-30	---	7.4 - 8.4	0	0	0.0	0
	12-16	---	---	---	---	---	---	---
Loncan Variant	0-12	15-25	---	7.4 - 8.4	0-5	0	0.0	0
	12-38	10-20	---	7.4 - 8.4	0	0	0.0	0
	38-60	10-15	---	7.9 - 8.4	5-10	0	0.0-2.0	0
322:								
Grina	0-7	10-20	---	7.9 - 8.4	20-30	0	0.0	0
	7-18	15-20	---	7.9 - 8.4	20-40	0	0.0	0
	18-22	---	---	---	---	---	---	---
Enko	0-4	10-25	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	4-18	10-25	---	6.6 - 8.4	0	0	0.0-4.0	0-12
	18-25	10-25	---	7.4 - 9.0	0-5	0	0.0-8.0	0-12
	25-60	10-25	---	7.4 - 9.0	0-15	0	4.0-16.0	5-12
Enko	0-4	10-30	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	4-18	10-25	---	6.6 - 8.4	0	0	0.0-4.0	0-12
	18-25	10-25	---	7.4 - 9.0	0-5	0	0.0-8.0	0-12
	25-60	10-25	---	7.4 - 9.0	0-15	0	4.0-16.0	5-12
323:								
Grina	0-7	10-20	---	7.9 - 8.4	10-20	0	0.0	0
	7-18	10-20	---	7.9 - 8.4	20-40	0	0.0-2.0	0
	18-22	---	---	---	---	---	---	---
Kelk	0-14	15-25	---	6.6 - 8.4	0-1	0	0.0-4.0	0-5
	14-51	20-30	---	7.4 - 8.4	1-5	0	0.0-8.0	0-12
	51-60	20-30	---	8.5 - 9.0	1-5	0	4.0-16.0	13-30
Orovada	0-7	15-20	---	6.6 - 8.4	0	0	0.0	0-5
	7-15	10-20	---	7.4 - 8.4	0-5	0	0.0-4.0	0-5
	15-60	10-20	---	7.9 - 9.6	1-15	0	4.0-16.0	1-12

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
323:								
324:								
Grina	0-7	20-25	---	7.9 - 8.4	20-30	0	0.0	0
	7-18	15-20	---	7.9 - 8.4	20-40	0	0.0	0
	18-22	---	---	---	---	---	---	---
Samor	0-6	10-20	---	7.9 - 8.4	10-20	0	0.0-2.0	0
	6-19	10-15	---	7.9 - 8.4	15-25	0	0.0-2.0	1-5
	19-23	---	---	---	---	---	---	---
325:								
Grina	0-7	10-20	---	7.9 - 8.4	10-20	0	0.0	0
	7-18	10-20	---	7.9 - 8.4	20-40	0	0.0-2.0	0
	18-22	---	---	---	---	---	---	---
Karpp	0-7	10-20	---	7.4 - 8.4	1-10	0	0.0-2.0	0
	7-15	10-15	---	7.9 - 9.0	5-10	0	0.0-2.0	0-12
	15-41	---	---	---	---	---	---	---
Rad	0-7	10-15	---	6.6 - 7.8	0	0	0.0-2.0	0-5
	7-26	5.0-10	---	7.4 - 9.0	0	0	0.0-4.0	0-13
	26-56	5.0-10	---	7.9 - 9.6	0-5	0	8.0-16.0	13-30
	56-62	5.0-10	---	7.9 - 9.6	1-5	0	8.0-16.0	13-30
331:								
Bunky	0-9	10-20	---	6.6 - 7.3	0	0	0.0	0
	9-21	10-15	---	6.6 - 8.4	1-5	0	0.0	0
	21-60	---	---	---	---	---	---	---
Enko	0-4	10-25	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	4-18	10-25	---	6.6 - 8.4	0	0	0.0-4.0	0-12
	18-25	10-25	---	7.4 - 9.0	0-5	0	0.0-8.0	0-12
	25-60	10-25	---	7.4 - 9.0	0-15	0	4.0-16.0	5-12
Grina	0-7	20-25	---	7.9 - 8.4	20-30	0	0.0	0
	7-18	15-20	---	7.9 - 8.4	20-40	0	0.0	0
	18-22	---	---	---	---	---	---	---
345:								
Perwick	0-5	10-15	---	7.9 - 8.4	5-10	0	0.0	0
	5-24	5.0-10	---	7.9 - 9.6	5-10	0	0.0-4.0	0-5
	24-28	---	---	---	---	---	---	---
Puett	0-1	10-20	---	7.9 - 9.0	1-5	0	0.0-2.0	0-5
	1-10	5.0-10	---	7.9 - 9.0	1-5	0	0.0-2.0	0-12
	10-14	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
345:								
Rad	0-7	10-15	---	6.6 - 7.8	0	0	0.0-2.0	0-5
	7-26	5.0-10	---	7.4 - 9.0	0	0	0.0-4.0	0-13
	26-56	5.0-10	---	7.9 - 9.6	0-5	0	8.0-16.0	13-30
	56-62	5.0-10	---	7.9 - 9.6	1-5	0	8.0-16.0	13-30
367:								
Peeko	0-5	10-20	---	7.9 - 8.4	1-10	0	0.0-2.0	0
	5-8	10-20	---	7.9 - 8.4	1-10	0	0.0-2.0	0
	8-11	10-20	---	7.9 - 8.4	1-10	0	0.0-2.0	0-5
	11-36	---	---	---	---	---	---	---
Hunnton	0-6	10-25	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	6-14	15-25	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	14-28	35-55	---	7.4 - 8.4	0-5	0	0.0-4.0	0-5
	28-42	---	---	---	---	---	---	---
	42-60	1.0-10	---	7.9 - 9.0	15-40	0	0.0-4.0	0-12
Puett	0-2	4.0-9.0	---	7.9 - 9.0	1-5	0	0.0-2.0	0
	2-11	3.0-8.0	---	7.9 - 9.0	1-5	0-1	0.0-2.0	0-5
	11-15	---	---	---	---	---	---	---
370:								
Chiara	0-4	15-28	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	4-10	15-28	---	6.6 - 9.0	0-5	0	0.0-4.0	0-12
	10-14	---	---	---	---	---	---	---
Cherry Spring	0-10	10-20	---	6.6 - 7.8	0	0	0.0	0
	10-23	15-25	---	7.4 - 9.0	1-5	0	0.0	0
	23-41	---	---	---	---	---	---	---
	41-63	5.0-10	---	8.5 - 9.0	1-5	0	0.0-2.0	0-12
Orovada	0-7	10-15	---	6.6 - 8.4	0	0	0.0	0-5
	7-15	10-20	---	7.4 - 8.4	0-5	0	0.0-4.0	0-5
	15-60	10-20	---	7.9 - 9.6	1-15	0	4.0-16.0	1-12
371:								
Chiara	0-4	15-28	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	4-10	15-28	---	6.6 - 9.0	0-5	0	0.0-4.0	0-12
	10-14	---	---	---	---	---	---	---
Bioya	0-14	10-20	---	7.4 - 8.4	0	0	0.0-2.0	0
	14-27	10-20	---	7.4 - 9.6	1-5	0	2.0-4.0	5-12
	27-41	---	---	---	---	---	---	---
	41-60	5.0-10	---	7.9 - 8.4	1-10	0	2.0-4.0	5-12
374:								

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
374:								
Chiara	0-4	15-28	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	4-10	15-28	---	6.6 - 9.0	0-5	0	0.0-4.0	0-12
	10-14	---	---	---	---	---	---	---
Wieland	0-5	10-20	---	7.4 - 8.4	0	0	0.0-2.0	0-5
	5-26	25-45	---	7.4 - 9.0	0-5	0	0.0-4.0	2-12
	26-52	15-30	---	7.9 - 9.0	5-20	0	0.0-8.0	0-12
	52-60	5.0-15	---	7.9 - 9.0	5-20	0	0.0-8.0	0-12
Enko	0-4	10-25	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	4-18	10-25	---	6.6 - 8.4	0	0	0.0-4.0	0-12
	18-25	10-25	---	7.4 - 9.0	0-5	0	0.0-8.0	0-12
	25-60	10-25	---	7.4 - 9.0	0-15	0	4.0-16.0	5-12
378:								
Chiara	0-4	15-28	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	4-10	15-28	---	6.6 - 9.0	0-5	0	0.0-4.0	0-12
	10-14	---	---	---	---	---	---	---
Spilock	0-4	10-20	---	7.9 - 8.4	15-25	0	0.0-2.0	0-5
	4-10	10-15	---	7.9 - 8.4	15-25	0	0.0-2.0	0-12
	10-30	---	---	---	---	---	---	---
Kelk	0-14	15-25	---	6.6 - 8.4	0-1	0	0.0-4.0	0-5
	14-51	20-30	---	7.4 - 8.4	1-5	0	0.0-8.0	0-12
	51-60	20-30	---	8.5 - 9.0	1-5	0	4.0-16.0	13-30
379:								
Chiara	0-4	15-28	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	4-10	15-28	---	6.6 - 9.0	0-5	0	0.0-4.0	0-12
	10-14	---	---	---	---	---	---	---
Kelk	0-14	15-25	---	6.6 - 8.4	0-1	0	0.0-4.0	0-5
	14-51	20-30	---	7.4 - 8.4	1-5	0	0.0-8.0	0-12
	51-60	20-30	---	8.5 - 9.0	1-5	0	4.0-16.0	13-30
Kelk	0-14	15-25	---	6.6 - 8.4	0-1	0	0.0-4.0	0-5
	14-51	20-30	---	7.4 - 8.4	1-5	0	0.0-8.0	0-12
	51-60	20-30	---	8.5 - 9.0	1-5	0	4.0-16.0	13-30
380:								
Chiara	0-4	15-28	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	4-10	15-28	---	6.6 - 9.0	0-5	0	0.0-4.0	0-12
	10-14	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
380:								
Peeko	0-5	10-20	---	7.9 - 8.4	1-10	0	0.0-2.0	0
	5-8	10-20	---	7.9 - 8.4	1-10	0	0.0-2.0	0
	8-11	10-20	---	7.9 - 8.4	1-10	0	0.0-2.0	0-5
	11-36	---	---	---	---	---	---	---
Izod	0-3	10-20	---	7.4 - 8.4	40-50	0	0.0	0
	3-13	10-15	---	7.4 - 8.4	40-50	0	0.0-2.0	0
	13-17	---	---	---	---	---	---	---
400:								
Bilbo	0-4	10-25	---	6.6 - 7.8	0	0	0.0	0
	4-22	20-40	---	6.6 - 7.8	0	0	0.0-2.0	0-12
	22-60	5.0-10	---	7.4 - 8.4	10-20	0	0.0-2.0	0-12
Gance	0-4	15-25	---	6.6 - 8.4	0	0	0.0	0
	4-29	20-45	---	7.4 - 8.4	0-10	0	0.0-4.0	0
	29-68	5.0-15	---	7.9 - 9.0	10-25	0	0.0-8.0	0
Tustell	0-5	10-20	---	7.4 - 8.4	0	0	0.0-2.0	0
	5-19	20-30	---	7.4 - 8.4	0	0	0.0-4.0	0
	19-30	5.0-10	---	7.9 - 9.0	5-10	0	0.0-4.0	0-5
	30-60	0.0-5.0	---	7.9 - 9.0	5-10	0	0.0-4.0	0-12
403:								
Bilbo	0-4	10-25	---	6.6 - 7.8	0	0	0.0	0
	4-22	20-40	---	6.6 - 7.8	0	0	0.0-2.0	0-12
	22-60	5.0-10	---	7.4 - 8.4	10-20	0	0.0-2.0	0-12
Shivlum	0-9	15-20	---	6.6 - 7.8	0	0	0.0	0
	9-34	15-25	---	6.6 - 7.8	0	0	0.0	0
	34-60	15-20	---	6.6 - 7.8	0	0	0.0	0
Mcivey	0-12	15-25	---	6.6 - 7.3	0	0	0.0	0
	12-24	20-30	---	6.1 - 7.3	0	0	0.0	0
	24-42	25-35	---	6.1 - 7.3	0	0	0.0	0
	42-60	20-30	---	6.1 - 7.3	0	0	0.0	0
411:								
Bilbo	0-4	10-25	---	6.6 - 7.8	0	0	0.0	0
	4-22	20-40	---	6.6 - 7.8	0	0	0.0-2.0	0-12
	22-60	5.0-10	---	7.4 - 8.4	10-20	0	0.0-2.0	0-12
Wieland	0-5	15-30	---	7.4 - 8.4	0	0	0.0-2.0	0
	5-26	30-60	---	7.4 - 9.0	0-5	0	0.0-4.0	0
	26-52	25-40	---	7.9 - 9.0	5-20	0	0.0-8.0	0-5
	52-60	20-40	---	7.9 - 9.0	5-20	0	0.0-8.0	0-5

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
411:								
Soughe	0-4	10-20	---	6.6 - 8.4	0	0	0.0	0-5
	4-14	15-30	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	14-18	---	---	---	---	---	---	---
Cumulic Cryaquolls	---	---	---	---	---	---	---	---
413:								
Vanwyper	0-10	25-35	---	6.6 - 7.3	0	0	0.0	0
	10-25	20-30	---	6.6 - 7.8	0	0	0.0	0
	25-29	---	---	---	---	---	---	---
Bilbo	0-4	10-25	---	6.6 - 7.8	0	0	0.0	0
	4-22	20-40	---	6.6 - 7.8	0	0	0.0-2.0	0-12
	22-60	5.0-10	---	7.4 - 8.4	10-20	0	0.0-2.0	0-12
Soughe	0-4	10-20	---	6.6 - 8.4	0	0	0.0	0
	4-14	15-30	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	14-18	---	---	---	---	---	---	---
414:								
Vanwyper	0-10	25-35	---	6.6 - 7.3	0	0	0.0	0
	10-25	20-30	---	6.6 - 7.8	0	0	0.0	0
	25-29	---	---	---	---	---	---	---
Loomis	0-2	15-20	---	6.6 - 7.8	0	0	0.0	0
	2-7	20-25	---	6.6 - 7.8	0	0	0.0	0
	7-11	25-35	---	6.6 - 7.8	0	0	0.0	0
	11-15	---	---	---	---	---	---	---
415:								
Vanwyper	0-10	25-35	---	6.6 - 7.3	0	0	0.0	0
	10-25	20-30	---	6.6 - 7.8	0	0	0.0	0
	25-29	---	---	---	---	---	---	---
Akler	0-6	20-25	---	6.6 - 7.8	0	0	0.0	0
	6-17	30-35	---	6.6 - 7.8	0	0	0.0	0
	17-21	---	---	---	---	---	---	---
Eboda	0-9	15-25	---	6.6 - 7.8	0	0	0.0	0
	9-33	15-20	---	6.6 - 7.8	0	0	0.0	0
	33-39	5.0-20	---	6.6 - 7.8	0	0	0.0	0
	39-43	---	---	---	---	---	---	---
416:								
Vanwyper	0-10	25-35	---	6.6 - 7.3	0	0	0.0	0
	10-25	20-30	---	6.6 - 7.8	0	0	0.0	0
	25-29	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
416:								
Roca	0-5	25-35	---	6.6 - 7.8	0	0	0.0	0
	5-29	30-40	---	6.6 - 8.4	0-10	0	0.0-2.0	0-5
	29-33	---	---	---	---	---	---	---
417:								
Vanwyper	0-8	15-25	---	6.6 - 7.8	0	0	0.0	0
	8-39	20-45	---	6.6 - 7.8	0	0	0.0	0
	39-43	---	---	---	---	---	---	---
Linkup	0-3	10-15	---	6.1 - 7.3	0	0	0.0	0
	3-8	15-30	---	6.6 - 7.3	0	0	0.0	0
	8-16	25-35	---	6.6 - 7.8	0	0	0.0	0
	16-20	---	---	---	---	---	---	---
Loomis	0-2	15-20	---	6.6 - 7.8	0	0	0.0	0
	2-7	20-25	---	6.6 - 7.8	0	0	0.0	0
	7-11	25-35	---	6.6 - 7.8	0	0	0.0	0
	11-15	---	---	---	---	---	---	---
418:								
Vanwyper	0-4	0.0-10	---	6.6 - 7.3	0	0	0.0	0
	4-24	20-30	---	6.6 - 7.8	0	0	0.0	0
	24-28	---	---	---	---	---	---	---
Connel	0-7	10-20	---	6.6 - 8.4	0	0	0.0	0-5
	7-20	10-30	---	7.4 - 9.6	0-5	0	0.0-2.0	1-12
	20-60	2.0-10	---	7.9 - 9.6	1-10	0-2	0.0-2.0	13-30
Hunewill	0-7	5.0-10	---	6.6 - 7.3	0	0	0.0	0
	7-19	19-27	---	6.6 - 7.8	0	0	0.0	0
	19-62	0.0-2.0	---	6.6 - 7.8	0	0	0.0	0
431:								
Gance	0-4	15-25	---	6.6 - 8.4	0	0	0.0	0
	4-29	20-45	---	7.4 - 8.4	0-10	0	0.0-4.0	0
	29-68	5.0-15	---	7.9 - 9.0	10-25	0	0.0-8.0	0
Shayla	0-5	20-25	---	7.9 - 9.0	5-10	0	0.0-2.0	0
	5-13	15-20	---	7.9 - 9.0	5-10	0	0.0-2.0	0
	13-17	---	---	---	---	---	---	---
Roca	0-5	25-35	---	6.6 - 7.8	0	0	0.0	0
	5-29	30-40	---	6.6 - 8.4	0-10	0	0.0-2.0	0-5
	29-33	---	---	---	---	---	---	---
432:								

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
432:								
Gance	0-4	15-25	---	6.6 - 8.4	0	0	0.0	0
	4-29	20-45	---	7.4 - 8.4	0-10	0	0.0-4.0	0
	29-68	5.0-15	---	7.9 - 9.0	10-25	0	0.0-8.0	0
Chiara	0-4	15-28	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	4-10	15-28	---	6.6 - 9.0	0-5	0	0.0-4.0	0-12
	10-14	---	---	---	---	---	---	---
Hunnton	0-6	10-25	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	6-14	15-25	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	14-28	35-55	---	7.4 - 8.4	0-5	0	0.0-4.0	0-5
	28-42	---	---	---	---	---	---	---
	42-60	1.0-10	---	7.9 - 9.0	15-40	0	0.0-4.0	0-12
440:								
Devilsgait	0-8	15-30	---	7.9 - 8.4	1-5	0	0.0-2.0	0-5
	8-43	15-35	---	7.9 - 8.4	0-5	0	0.0-2.0	0-5
	43-68	10-25	---	7.4 - 8.4	0-5	0	0.0-2.0	0-5
Woofus	0-8	20-30	---	7.9 - 8.4	1-10	0	0.0-2.0	0
	8-30	15-20	---	7.4 - 8.4	0-10	0	0.0-2.0	0
	30-60	0.0-5.0	---	7.4 - 8.4	0-5	0	0.0-2.0	0
Devilsgait	0-13	15-25	---	7.4 - 8.4	1-5	0	0.0-2.0	0
	13-42	15-25	---	7.4 - 8.4	1-5	0	0.0-2.0	0
	42-54	15-20	---	7.4 - 8.4	0-5	0	0.0-2.0	0
	54-63	0.0-5.0	---	7.4 - 8.4	0-5	0	0.0	0
Tweba	---	---	---	---	---	---	---	---
Woofus	---	---	---	---	---	---	---	---
441:								
Devilsgait	0-8	15-20	---	7.9 - 9.0	1-5	0	0.0-4.0	0
	8-43	15-25	---	7.9 - 9.0	1-5	0	0.0-4.0	0
	43-68	10-15	---	7.4 - 8.4	0-5	0	0.0-4.0	0
Devilsgait	0-8	15-30	---	7.9 - 8.4	1-5	0	0.0-2.0	0-5
	8-43	15-35	---	7.9 - 8.4	0-5	0	0.0-2.0	0-5
	43-68	10-25	---	7.4 - 8.4	0-5	0	0.0-2.0	0-5
Ocala	0-20	10-20	---	8.5 - 9.6	5-10	0	4.0-8.0	31-90
	20-50	10-20	---	8.5 - 9.0	5-15	0	4.0-8.0	13-45
	50-60	10-15	---	8.5 - 9.0	5-15	0	4.0-8.0	13-45
442:								

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
442:								
Devilsgait	0-8	15-25	---	7.9 - 9.0	1-5	0	0.0-4.0	0
	8-43	15-25	---	7.9 - 9.0	1-5	0	0.0-4.0	0
	43-68	10-20	---	7.4 - 8.4	0-5	0	0.0-4.0	0
Crooked Creek	0-5	25-35	---	6.6 - 8.4	0	0	0.0-2.0	0
	5-38	25-40	---	6.6 - 8.4	0	0	0.0-2.0	0
	38-60	20-30	---	6.6 - 8.4	0	0	0.0-2.0	0
Crooked Creek	---	---	---	---	---	---	---	---
443:								
Devilsgait	0-8	15-30	---	7.9 - 8.4	1-5	0	0.0-2.0	0-5
	8-43	15-35	---	7.9 - 8.4	0-5	0	0.0-2.0	0-5
	43-68	10-25	---	7.4 - 8.4	0-5	0	0.0-2.0	0-5
Sonoma	0-11	15-25	---	7.9 - 9.0	3-12	0	4.0-8.0	5-12
	11-62	20-30	---	7.9 - 9.0	3-12	0	0.0-4.0	0-12
447:								
Donna	0-10	15-25	---	6.1 - 7.3	0	0	0.0	0
	10-23	45-55	---	6.6 - 7.3	0	0	0.0	0
	23-33	---	---	---	---	---	---	---
	33-60	10-15	---	7.4 - 8.4	0-5	0	0.0-4.0	0
Crooked Creek	---	---	---	---	---	---	---	
448:								
Donna	0-10	15-25	---	6.1 - 7.3	0	0	0.0	0
	10-23	45-55	---	6.6 - 7.3	0	0	0.0	0
	23-33	---	---	---	---	---	---	---
	33-60	10-15	---	7.4 - 8.4	0-5	0	0.0-4.0	0
Stampede	0-11	15-25	---	6.1 - 7.3	0	0	0.0	0
	11-35	25-35	---	6.6 - 7.8	0	0	0.0	0
	35-45	---	---	---	---	---	---	---
Quarz	0-4	15-25	---	6.6 - 7.8	0	0	0.0	0
	4-26	30-55	---	6.6 - 7.8	0	0	0.0	0
	26-30	---	---	---	---	---	---	---
Welch Silt Loam	---	---	---	---	---	---	---	
449:								
Donna	0-10	15-25	---	6.1 - 7.3	0	0	0.0	0
	10-23	45-55	---	6.6 - 7.3	0	0	0.0	0
	23-33	---	---	---	---	---	---	---
	33-60	10-15	---	7.4 - 8.4	0-5	0	0.0-4.0	0

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
449:								
Stampede	0-11	15-25	---	6.1 - 7.3	0	0	0.0	0
	11-35	25-35	---	6.6 - 7.8	0	0	0.0	0
	35-45	---	---	---	---	---	---	---
Short Creek	0-3	20-25	---	6.6 - 7.3	0	0	0.0	0
	3-45	25-30	---	6.6 - 8.4	0	0	0.0	0
	45-64	20-25	---	7.9 - 9.0	1-5	0	0.0	0
452:								
Donna	0-10	15-25	---	6.1 - 7.3	0	0	0.0	0
	10-23	45-55	---	6.6 - 7.3	0	0	0.0	0
	23-33	---	---	---	---	---	---	---
	33-60	10-15	---	7.4 - 8.4	0-5	0	0.0-4.0	0
Bilbo	0-4	10-25	---	6.6 - 7.8	0	0	0.0	0
	4-22	20-40	---	6.6 - 7.8	0	0	0.0-2.0	0-12
	22-60	5.0-10	---	7.4 - 8.4	10-20	0	0.0-2.0	0-12
Stampede	0-11	15-25	---	6.1 - 7.3	0	0	0.0	0
	11-35	25-35	---	6.6 - 7.8	0	0	0.0	0
	35-45	---	---	---	---	---	---	---
Crooked Creek	---	---	---	---	---	---	---	---
Hussa	---	---	---	---	---	---	---	---
454:								
Donna	0-10	15-25	---	6.1 - 7.3	0	0	0.0	0
	10-23	45-55	---	6.6 - 7.3	0	0	0.0	0
	23-33	---	---	---	---	---	---	---
	33-60	10-15	---	7.4 - 8.4	0-5	0	0.0-4.0	0
Kleckner	0-9	15-25	---	6.6 - 7.8	0	0	0.0	0
	9-25	20-35	---	7.4 - 7.8	0	0	0.0	0
	25-41	20-30	---	7.4 - 7.8	0	0	0.0	0
	41-63	5.0-10	---	7.4 - 7.8	0	0	0.0	0
Short Creek	0-3	10-15	---	6.6 - 7.3	0	0	0.0	0
	3-45	25-30	---	6.6 - 8.4	0	0	0.0	0
	45-64	20-25	---	7.9 - 9.0	1-5	0	0.0	0
455:								
Donna	0-10	15-25	---	6.1 - 7.3	0	0	0.0	0
	10-23	45-55	---	6.6 - 7.3	0	0	0.0	0
	23-33	---	---	---	---	---	---	---
	33-60	10-15	---	7.4 - 8.4	0-5	0	0.0-4.0	0

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
455:								
Kleckner	0-9	15-25	---	6.6 - 7.8	0	0	0.0	0
	9-25	20-35	---	7.4 - 7.8	0	0	0.0	0
	25-41	20-30	---	7.4 - 7.8	0	0	0.0	0
	41-63	5.0-10	---	7.4 - 7.8	0	0	0.0	0
Donna	0-10	15-25	---	6.1 - 7.3	0	0	0.0	0
	10-23	45-55	---	6.6 - 7.3	0	0	0.0	0
	23-33	---	---	---	---	---	---	---
	33-60	10-15	---	7.4 - 8.4	0-5	0	0.0-4.0	0
Crooked Creek	---	---	---	---	---	---	---	
456:								
Donna	0-10	15-25	---	6.1 - 7.3	0	0	0.0	0
	10-23	45-55	---	6.6 - 7.3	0	0	0.0	0
	23-33	---	---	---	---	---	---	---
	33-60	10-15	---	7.4 - 8.4	0-5	0	0.0-4.0	0
Stampede	0-11	15-25	---	6.1 - 7.3	0	0	0.0	0
	11-35	25-35	---	6.6 - 7.8	0	0	0.0	0
	35-45	---	---	---	---	---	---	---
Gance	0-4	15-25	---	6.6 - 8.4	0	0	0.0	0
	4-29	20-45	---	7.4 - 8.4	0-10	0	0.0-4.0	0
	29-68	5.0-15	---	7.9 - 9.0	10-25	0	0.0-8.0	0
Welsum	---	---	---	---	---	---	---	
Crooked Creek	---	---	---	---	---	---	---	
457:								
Donna	0-10	10-20	---	6.1 - 7.3	0	0	0.0	0
	10-23	35-40	---	6.6 - 7.3	0	0	0.0	0
	23-33	---	---	---	---	---	---	---
	33-60	10-15	---	7.4 - 8.4	0-5	0	0.0-2.0	1-5
Gochea	0-7	10-20	---	6.6 - 7.8	0	0	0.0	0
	7-21	15-25	---	7.4 - 7.8	0	0	0.0	0
	21-41	5.0-10	---	7.4 - 7.8	0	0	0.0	0
	41-60	0.0-5.0	---	7.4 - 7.8	0	0	0.0	0
Kleckner	0-9	15-25	---	6.6 - 7.8	0	0	0.0	0
	9-25	20-35	---	7.4 - 7.8	0	0	0.0	0
	25-41	20-30	---	7.4 - 7.8	0	0	0.0	0
	41-63	10-15	---	7.4 - 7.8	0	0	0.0	0

460:

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
460:								
Stampede	0-11	15-25	---	6.1 - 7.3	0	0	0.0	0
	11-35	25-35	---	6.6 - 7.8	0	0	0.0	0
	35-45	---	---	---	---	---	---	---
Betra	0-5	15-25	---	6.6 - 7.3	0	0	0.0	0
	5-9	15-25	---	6.6 - 7.3	0	0	0.0	0
	9-21	30-50	---	6.6 - 7.3	0	0	0.0	0
	21-42	---	---	---	---	---	---	---
Mcivey	0-12	15-25	---	6.6 - 7.3	0	0	0.0	0
	12-24	20-30	---	6.1 - 7.3	0	0	0.0	0
	24-42	25-35	---	6.1 - 7.3	0	0	0.0	0
	42-60	20-30	---	6.1 - 7.3	0	0	0.0	0
461:								
Stampede	0-11	15-25	---	6.1 - 7.3	0	0	0.0	0
	11-35	25-35	---	6.6 - 7.8	0	0	0.0	0
	35-45	---	---	---	---	---	---	---
Kleckner	0-9	15-25	---	6.6 - 7.8	0	0	0.0	0
	9-25	20-35	---	7.4 - 7.8	0	0	0.0	0
	25-41	20-30	---	7.4 - 7.8	0	0	0.0	0
	41-63	5.0-10	---	7.4 - 7.8	0	0	0.0	0
462:								
Stampede	0-11	15-25	---	6.1 - 7.3	0	0	0.0	0
	11-35	25-35	---	6.6 - 7.8	0	0	0.0	0
	35-45	---	---	---	---	---	---	---
Bilbo	0-4	10-25	---	6.6 - 7.8	0	0	0.0	0
	4-22	20-40	---	6.6 - 7.8	0	0	0.0	0
	22-60	5.0-10	---	7.4 - 8.4	10-20	0	0.0-2.0	0-12
Donna	0-10	15-25	---	6.1 - 7.3	0	0	0.0	0
	10-23	45-55	---	6.6 - 7.3	0	0	0.0	0
	23-33	---	---	---	---	---	---	---
	33-60	10-15	---	7.4 - 8.4	0-5	0	0.0-4.0	0
465:								
Stampede	0-11	15-25	---	6.1 - 7.3	0	0	0.0	0
	11-35	25-35	---	6.6 - 7.8	0	0	0.0	0
	35-45	---	---	---	---	---	---	---
Gochea	0-7	10-15	---	6.6 - 7.8	0	0	0.0	0
	7-21	15-25	---	7.4 - 7.8	0	0	0.0	0
	21-41	5.0-10	---	7.4 - 7.8	0	0	0.0	0
	41-60	0.0-5.0	---	7.4 - 7.8	0-1	0	0.0	0

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
465:								
Zevadez	0-5	15-30	---	6.6 - 8.4	0	0	0.0	0
	5-16	25-40	---	7.4 - 8.4	0	0	0.0-2.0	0-12
	16-33	10-20	---	7.4 - 8.4	0-4	0	0.0-2.0	0-12
	33-62	5.0-15	---	7.4 - 8.4	0-4	0	0.0-2.0	0-12
466:								
Stampede	0-11	15-25	---	6.1 - 7.3	0	0	0.0	0
	11-35	25-35	---	6.6 - 7.8	0	0	0.0	0
	35-45	---	---	---	---	---	---	---
Bilbo	0-4	10-25	---	6.6 - 7.8	0	0	0.0	0
	4-22	20-40	---	6.6 - 7.8	0	0	0.0	0
	22-60	5.0-10	---	7.4 - 8.4	10-20	0	0.0-2.0	0-12
467:								
Stampede	0-11	15-25	---	6.1 - 7.3	0	0	0.0	0
	11-35	25-35	---	6.6 - 7.8	0	0	0.0	0
	35-45	---	---	---	---	---	---	---
Donna	0-10	15-25	---	6.1 - 7.3	0	0	0.0	0
	10-23	45-55	---	6.6 - 7.3	0	0	0.0	0
	23-33	---	---	---	---	---	---	---
	33-60	10-15	---	7.4 - 8.4	0-5	0	0.0-4.0	0
Gance	0-4	15-25	---	6.6 - 8.4	0	0	0.0	0
	4-29	20-45	---	7.4 - 8.4	0-10	0	0.0-4.0	0
	29-68	5.0-15	---	7.9 - 9.0	10-25	0	0.0-8.0	0
469:								
Stampede	0-11	15-25	---	6.1 - 7.3	0	0	0.0	0
	11-35	25-35	---	6.6 - 7.8	0	0	0.0	0
	35-45	---	---	---	---	---	---	---
Donna	0-10	15-25	---	6.1 - 7.3	0	0	0.0	0
	10-23	45-55	---	6.6 - 7.3	0	0	0.0	0
	23-33	---	---	---	---	---	---	---
	33-60	10-15	---	7.4 - 8.4	0-5	0	0.0-4.0	0
470:								
Stampede	0-11	15-25	---	6.1 - 7.3	0	0	0.0	0
	11-35	25-35	---	6.6 - 7.8	0	0	0.0	0
	35-45	---	---	---	---	---	---	---
Puett	0-2	10-20	---	7.9 - 9.0	1-5	0	0.0-2.0	0-5
	2-11	5.0-10	---	7.9 - 9.0	1-5	0	0.0-2.0	0-12
	11-15	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
470:								
Peeko	0-5	10-20	---	7.9 - 8.4	1-10	0	0.0-2.0	0
	5-8	10-20	---	7.9 - 8.4	1-10	0	0.0-2.0	0
	8-11	10-20	---	7.9 - 8.4	1-10	0	0.0-2.0	0-5
	11-36	---	---	---	---	---	---	---
477:								
Hunnton	0-6	10-25	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	6-14	15-25	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	14-28	35-55	---	7.4 - 8.4	0-5	0	0.0-4.0	0-5
	28-42	---	---	---	---	---	---	---
	42-60	1.0-10	---	7.9 - 9.0	15-40	0	0.0-4.0	0-12
Dacker	0-7	20-25	---	6.6 - 7.8	0	0	0.0	0
	7-16	25-35	---	7.4 - 8.4	0	0	0.0-4.0	0-5
	16-25	25-35	---	7.4 - 8.4	0	0	0.0-4.0	0-5
	25-31	20-25	---	7.9 - 9.0	1-10	0	4.0-8.0	1-12
	31-52	---	---	---	---	---	---	---
478:								
Hunnton	0-6	10-25	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	6-14	15-25	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	14-28	35-55	---	7.4 - 8.4	0-5	0	0.0-4.0	0-5
	28-42	---	---	---	---	---	---	---
	42-60	1.0-10	---	7.9 - 9.0	15-40	0	0.0-4.0	0-12
Wieland	0-5	15-30	---	7.4 - 8.4	0	0	0.0-2.0	0
	5-26	30-60	---	7.4 - 9.0	0-5	0	0.0-4.0	0
	26-52	25-40	---	7.9 - 9.0	5-20	0	0.0-8.0	0-5
	52-60	20-40	---	7.9 - 9.0	5-20	0	0.0-8.0	0-5
Bilbo	0-4	10-25	---	6.6 - 7.8	0	0	0.0	0
	4-22	20-40	---	6.6 - 7.8	0	0	0.0	0
	22-60	5.0-10	---	7.4 - 8.4	10-20	0	0.0-2.0	0-12
479:								
Hunnton	0-6	10-25	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	6-14	15-25	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	14-28	35-55	---	7.4 - 8.4	0-5	0	0.0-4.0	0-5
	28-42	---	---	---	---	---	---	---
	42-60	1.0-10	---	7.9 - 9.0	15-40	0	0.0-4.0	0-12
Wieland	0-5	10-20	---	7.4 - 8.4	0	0	0.0-2.0	0-5
	5-26	25-45	---	7.4 - 9.0	0-5	0	0.0-4.0	0-12
	26-52	15-30	---	7.9 - 9.0	5-20	0	0.0-8.0	0-12
	52-60	5.0-15	---	7.9 - 9.0	5-20	0	0.0-8.0	0-12

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
479:								
Bloor	0-8	5.0-15	---	7.9 - 9.0	0	0	4.0-8.0	13-30
	8-20	15-20	---	7.9 - 9.0	0-5	1-5	8.0-32.0	31-45
	20-42	5.0-10	---	8.5 - 9.6	5-15	1-5	8.0-32.0	13-45
	42-60	5.0-15	---	8.5 - 9.6	5-15	1-5	8.0-32.0	13-45
Alburz	---	---	---	---	---	---	---	---
480:								
Hunnton	0-6	10-25	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	6-14	15-25	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	14-28	35-55	---	7.4 - 8.4	0-5	0	0.0-4.0	0-5
	28-42	---	---	---	---	---	---	---
	42-60	1.0-10	---	7.9 - 9.0	15-40	0	0.0-4.0	0-12
Wieland	0-5	10-20	---	7.4 - 8.4	0	0	0.0-2.0	0-5
	5-26	25-45	---	7.4 - 9.0	0-5	0	0.0-4.0	0-12
	26-52	15-30	---	7.9 - 9.0	5-20	0	0.0-8.0	0-12
	52-60	5.0-15	---	7.9 - 9.0	5-20	0	0.0-8.0	0-12
Gance	0-4	15-25	---	6.6 - 8.4	0	0	0.0	0
	4-29	20-45	---	7.4 - 8.4	0-10	0	0.0-4.0	0
	29-68	5.0-15	---	7.9 - 9.0	10-25	0	0.0-8.0	0
481:								
Hunnton	0-6	10-25	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	6-14	15-25	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	14-28	35-55	---	7.4 - 8.4	0-5	0	0.0-4.0	0-5
	28-42	---	---	---	---	---	---	---
	42-60	1.0-10	---	7.9 - 9.0	15-40	0	0.0-4.0	0-12
Chiara	0-4	15-28	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	4-10	15-28	---	6.6 - 9.0	0-5	0	0.0-4.0	0-12
	10-14	---	---	---	---	---	---	---
482:								
Hunnton	0-6	10-25	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	6-14	15-25	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	14-28	35-55	---	7.4 - 8.4	0-5	0	0.0-4.0	0-5
	28-42	---	---	---	---	---	---	---
	42-60	1.0-10	---	7.9 - 9.0	15-40	0	0.0-4.0	0-12
Wieland	0-5	15-30	---	7.4 - 8.4	0	0	0.0-2.0	0
	5-26	30-60	---	7.4 - 9.0	0-5	0	0.0-4.0	0
	26-52	25-40	---	7.9 - 9.0	5-20	0	0.0-8.0	0-5
	52-60	20-40	---	7.9 - 9.0	5-20	0	0.0-8.0	0-5

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
482:								
Hunnton	0-14	14-26	---	7.9 - 8.4	0	0	0.0	0
	14-28	28-46	---	7.4 - 8.4	0-5	0	0.0	0
	28-42	---	---	---	---	---	---	---
	42-60	1.0-8.0	---	7.9 - 9.0	1-5	0	0.0-4.0	0-12
485:								
Hunnton	0-6	10-25	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	6-14	15-25	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	14-28	35-55	---	7.4 - 8.4	0-5	0	0.0-4.0	0-5
	28-42	---	---	---	---	---	---	---
	42-60	1.0-10	---	7.9 - 9.0	15-40	0	0.0-4.0	0-12
Wieland	0-5	10-20	---	7.4 - 8.4	0	0	0.0-2.0	0-5
	5-26	25-45	---	7.4 - 9.0	0-5	0	0.0-4.0	0-12
	26-52	15-30	---	7.9 - 9.0	5-20	0	0.0-8.0	0-12
	52-60	5.0-15	---	7.9 - 9.0	5-20	0	0.0-8.0	0-12
Wieland	0-5	15-30	---	7.4 - 8.4	0	0	0.0-2.0	0
	5-26	30-60	---	7.4 - 9.0	0-5	0	0.0-4.0	0
	26-52	25-40	---	7.9 - 9.0	5-20	0	0.0-8.0	0-5
	52-60	20-40	---	7.9 - 9.0	5-20	0	0.0-8.0	0-5
486:								
Hunnton	0-6	10-25	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	6-14	15-25	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	14-28	35-55	---	7.4 - 8.4	0-5	0	0.0-4.0	0-5
	28-42	---	---	---	---	---	---	---
	42-60	1.0-10	---	7.9 - 9.0	15-40	0	0.0-4.0	0-12
Chiara	0-4	15-28	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	4-10	15-28	---	6.6 - 9.0	0-5	0	0.0-4.0	0-12
	10-14	---	---	---	---	---	---	---
Wieland	0-5	10-20	---	7.4 - 8.4	0	0	0.0-2.0	0-5
	5-26	25-45	---	7.4 - 9.0	0-5	0	0.0-4.0	0-12
	26-52	15-30	---	7.9 - 9.0	5-20	0	0.0-8.0	0-12
	52-60	5.0-15	---	7.9 - 9.0	5-20	0	0.0-8.0	0-12
489:								
Hunnton	0-6	10-25	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	6-14	15-25	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	14-28	35-55	---	7.4 - 8.4	0-5	0	0.0-4.0	0-5
	28-42	---	---	---	---	---	---	---
	42-60	1.0-10	---	7.9 - 9.0	15-40	0	0.0-4.0	0-12

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
489:								
Wieland	0-5	10-20	---	7.4 - 8.4	0	0	0.0-2.0	0-5
	5-26	25-45	---	7.4 - 9.0	0-5	0	0.0-4.0	0-12
	26-52	15-30	---	7.9 - 9.0	5-20	0	0.0-8.0	0-12
	52-60	5.0-15	---	7.9 - 9.0	5-20	0	0.0-8.0	0-12
Bioya	0-14	10-20	---	7.4 - 8.4	0	0	0.0-2.0	0
	14-27	10-20	---	7.4 - 9.6	1-5	0	2.0-4.0	5-12
	27-41	---	---	---	---	---	---	---
	41-60	5.0-10	---	7.9 - 8.4	1-10	0	2.0-4.0	5-12
490:								
Orovada	0-7	10-15	---	6.6 - 8.4	0	0	0.0	0
	7-15	10-20	---	7.4 - 8.4	0-5	0	0.0-4.0	0-5
	15-60	10-20	---	7.9 - 9.6	1-15	0	4.0-16.0	1-12
Bioya	0-14	10-20	---	7.4 - 8.4	0	0	0.0-2.0	0
	14-27	10-20	---	7.4 - 9.6	1-5	0	2.0-4.0	5-12
	27-41	---	---	---	---	---	---	---
	41-60	5.0-10	---	7.9 - 8.4	1-10	0	2.0-4.0	5-12
Haybourne	0-6	5.0-15	---	6.6 - 7.8	0	0	0.0	0
	6-35	5.0-15	---	6.6 - 8.4	0	0	0.0	0
	35-60	5.0-10	---	6.6 - 8.4	0-1	0	0.0-2.0	0
491:								
Orovada	0-7	15-20	---	6.6 - 8.4	0	0	0.0	0
	7-15	10-20	---	7.4 - 8.4	0-5	0	0.0-4.0	0-5
	15-60	10-20	---	7.9 - 9.6	1-15	0	4.0-16.0	1-12
Puett	0-2	4.0-9.0	---	7.9 - 9.0	1-5	0	0.0-2.0	0
	2-11	3.0-8.0	---	7.9 - 9.0	1-5	0-1	0.0-2.0	0-5
	11-15	---	---	---	---	---	---	---
492:								
Orovada	0-7	10-15	---	6.6 - 8.4	0	0	0.0	0
	7-15	10-20	---	7.4 - 8.4	0-5	0	0.0-4.0	0-5
	15-60	10-20	---	7.9 - 9.6	1-15	0	4.0-16.0	1-12
Humdun	0-7	10-15	---	6.6 - 7.8	0	0	0.0	0
	7-29	5.0-15	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	29-63	5.0-15	---	7.9 - 9.0	5-15	0	2.0-4.0	1-12
Puett	0-2	4.0-9.0	---	7.9 - 9.0	1-5	0	0.0-2.0	0
	2-11	3.0-8.0	---	7.9 - 9.0	1-5	0-1	0.0-2.0	0-5
	11-15	---	---	---	---	---	---	---
494:								

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
494:								
Orovada	0-7	10-15	---	6.6 - 8.4	0	0	0.0	0
	7-15	10-20	---	7.4 - 8.4	0-5	0	0.0-4.0	0-5
	15-60	10-20	---	7.9 - 9.6	1-15	0	4.0-16.0	1-12
Chiara	0-4	15-28	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	4-10	15-28	---	6.6 - 9.0	0-5	0	0.0-4.0	0-12
	10-14	---	---	---	---	---	---	---
Puett	0-2	4.0-9.0	---	7.9 - 9.0	1-5	0	0.0-2.0	0
	2-11	3.0-8.0	---	7.9 - 9.0	1-5	0-1	0.0-2.0	0-5
	11-15	---	---	---	---	---	---	---
496:								
Orovada	0-7	10-15	---	6.6 - 8.4	0	0	0.0	0
	7-15	10-20	---	7.4 - 8.4	0-5	0	0.0-4.0	0-5
	15-60	10-20	---	7.9 - 9.6	1-15	0	4.0-16.0	1-12
Grina	0-7	10-20	---	7.9 - 8.4	10-20	0	0.0	0
	7-18	10-20	---	7.9 - 8.4	20-40	0	0.0	0
	18-22	---	---	---	---	---	---	---
Upsteer	0-11	15-20	---	6.6 - 7.3	0	0	0.0	0
	11-35	10-20	---	6.6 - 7.3	0	0	0.0	0
	35-61	10-15	---	6.6 - 7.8	0	0	0.0	0
501:								
Short Creek	0-3	20-25	---	6.6 - 7.3	0	0	0.0	0
	3-45	25-30	---	6.6 - 8.4	0	0	0.0	0
	45-64	20-25	---	7.9 - 9.0	1-5	0	0.0	0
Short Creek	0-3	20-25	---	6.6 - 7.3	0	0	0.0	0
	3-45	25-30	---	6.6 - 8.4	0	0	0.0	0
	45-64	20-25	---	7.9 - 9.0	1-5	0	0.0	0
511:								
Dacker	0-7	20-25	---	6.6 - 7.8	0	0	0.0	0
	7-16	25-35	---	7.4 - 8.4	0	0	0.0-4.0	0-5
	16-25	25-35	---	7.4 - 8.4	0	0	0.0-4.0	0-5
	25-31	20-25	---	7.9 - 9.0	1-10	0	4.0-8.0	1-12
	31-52	---	---	---	---	---	---	---
Gance	0-4	15-25	---	6.6 - 8.4	0	0	0.0	0
	4-29	20-45	---	7.4 - 8.4	0-10	0	0.0-4.0	0
	29-68	5.0-15	---	7.9 - 9.0	10-25	0	0.0-8.0	0
Kelk	0-14	15-25	---	6.6 - 8.4	0-1	0	0.0-4.0	0-5
	14-51	20-30	---	7.4 - 8.4	1-5	0	0.0-8.0	0-12
	51-60	20-30	---	8.5 - 9.0	1-5	0	4.0-16.0	13-30

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
511:								
512:								
Dacker	0-7	20-25	---	6.6 - 7.8	0	0	0.0	0
	7-16	25-35	---	7.4 - 8.4	0	0	0.0-4.0	0-5
	16-25	25-35	---	7.4 - 8.4	0	0	0.0-4.0	0-5
	25-31	20-25	---	7.9 - 9.0	1-10	0	4.0-8.0	1-12
	31-52	---	---	---	---	---	---	---
Zevadez	0-5	15-30	---	6.6 - 8.4	0	0	0.0	0
	5-16	25-40	---	7.4 - 8.4	0	0	0.0-2.0	0-12
	16-33	10-20	---	7.4 - 8.4	0-4	0	0.0-2.0	0-12
	33-62	5.0-15	---	7.4 - 8.4	0-4	0	0.0-2.0	0-12
Kelk	0-14	15-25	---	6.6 - 8.4	0-1	0	0.0-4.0	0-5
	14-51	20-30	---	7.4 - 8.4	1-5	0	0.0-8.0	0-12
	51-60	20-30	---	8.5 - 9.0	1-5	0	4.0-16.0	13-30
513:								
Dacker	0-7	20-25	---	6.6 - 7.8	0	0	0.0	0
	7-16	25-35	---	7.4 - 8.4	0	0	0.0-4.0	0-5
	16-25	25-35	---	7.4 - 8.4	0	0	0.0-4.0	0-5
	25-31	20-25	---	7.9 - 9.0	1-10	0	4.0-8.0	1-12
	31-52	---	---	---	---	---	---	---
Dewar	0-5	10-25	---	6.6 - 8.4	0-1	0	0.0-2.0	0-5
	5-11	15-30	---	6.6 - 8.4	0-5	0	0.0-4.0	0-12
	11-17	10-25	---	7.9 - 8.4	5-15	0	0.0-8.0	0-12
	17-44	---	---	---	---	---	---	---
Hunewill	0-7	5.0-10	---	6.6 - 7.3	0	0	0.0	0
	7-19	19-27	---	6.6 - 7.8	0	0	0.0	0
	19-62	0.0-2.0	---	6.6 - 7.8	0	0	0.0	0
516:								
Dacker	0-7	20-25	---	6.6 - 7.8	0	0	0.0	0
	7-16	25-35	---	7.4 - 8.4	0	0	0.0-4.0	0-5
	16-25	25-35	---	7.4 - 8.4	0	0	0.0-4.0	0-5
	25-31	20-25	---	7.9 - 9.0	1-10	0	4.0-8.0	1-12
	31-52	---	---	---	---	---	---	---
Yuko	0-2	5.0-15	---	6.6 - 7.3	0	0	0.0	0
	2-6	20-25	---	6.6 - 7.3	0	0	0.0	0
	6-8	20-30	---	7.4 - 7.8	0	0	0.0	0
	8-12	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
516:								
Wieland	0-5	10-20	---	7.4 - 8.4	0	0	0.0-2.0	0-5
	5-26	25-45	---	7.4 - 9.0	0-5	0	0.0-4.0	0-12
	26-52	15-30	---	7.9 - 9.0	5-20	0	0.0-8.0	0-12
	52-60	5.0-15	---	7.9 - 9.0	5-20	0	0.0-8.0	0-12
521:								
Norfork	0-2	15-20	---	6.6 - 7.8	0	0	0.0	0
	2-12	20-25	---	6.6 - 8.4	0	0	0.0	0
	12-24	---	---	---	---	---	---	---
	24-28	---	---	---	---	---	---	---
Loomis	0-2	15-20	---	6.6 - 7.8	0	0	0.0	0
	2-7	20-25	---	6.6 - 7.8	0	0	0.0	0
	7-11	25-35	---	6.6 - 7.8	0	0	0.0	0
	11-15	---	---	---	---	---	---	---
Chiara	0-4	15-28	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	4-10	15-28	---	6.6 - 9.0	0-5	0	0.0-4.0	0-12
	10-14	---	---	---	---	---	---	---
Devilsgait	---	---	---	---	---	---	---	
530:								
Uprville	0-10	15-25	---	6.6 - 7.3	0	0	0.0	0
	10-19	10-20	---	6.6 - 7.3	0	0	0.0	0
	19-61	0.0-5.0	---	6.6 - 7.3	0	0	0.0	0
Connel	0-7	10-25	---	6.6 - 8.4	0	0	0.0	0-5
	7-20	10-25	---	7.4 - 8.4	0-5	0	0.0-2.0	1-12
	20-60	1.0-10	---	7.9 - 9.6	0-10	0-2	0.0-2.0	13-30
Halleck	0-9	15-25	---	7.4 - 8.4	1-10	0	0.0-2.0	0
	9-36	15-25	---	7.4 - 8.4	1-10	0	0.0-2.0	0
	36-61	10-25	---	7.4 - 8.4	1-10	0	0.0-2.0	0
Alburz	---	---	---	---	---	---	---	
Welsum	---	---	---	---	---	---	---	
540:								
Gando	0-9	10-15	---	7.4 - 8.4	0	0	0.0	0
	9-17	5.0-10	---	7.9 - 8.4	1-10	0	0.0-2.0	0
	17-21	---	---	---	---	---	---	---
Inpendence	0-9	25-35	---	4.5 - 6.5	0	0	0.0	0
	9-60	10-20	---	4.5 - 6.5	0	0	0.0	0

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
540:								
Bullump	0-23	15-30	---	6.1 - 7.8	0	0	0.0	0
	23-54	10-25	---	6.1 - 7.8	0	0	0.0	0
	54-58	---	---	---	---	---	---	---
Cumulic Cryaquolls	---	---	---	---	---	---	---	---
570:								
Hapgood	0-8	15-25	---	6.1 - 7.3	0	0	0.0	0
	8-31	15-20	---	6.1 - 7.3	0	0	0.0	0
	31-42	5.0-10	---	6.1 - 7.3	0	0	0.0	0
	42-46	---	---	---	---	---	---	---
Sumine	0-6	20-30	---	6.6 - 7.8	0	0	0.0	0
	6-27	20-30	---	6.6 - 7.8	0	0	0.0	0
	27-31	---	---	---	---	---	---	---
Cleavage	0-6	15-20	---	6.6 - 7.8	0	0	0.0	0
	6-15	15-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Welch	---	---	---	---	---	---	---	---
571:								
Sumine	0-6	20-30	---	6.6 - 7.8	0	0	0.0	0
	6-27	20-30	---	6.6 - 7.8	0	0	0.0	0
	27-31	---	---	---	---	---	---	---
Tusel	0-19	10-25	---	6.1 - 7.3	0	0	0.0	0
	19-45	15-35	---	6.1 - 7.3	0	0	0.0	0
	45-49	---	---	---	---	---	---	---
Gando	0-9	10-15	---	7.4 - 8.4	0	0	0.0	0
	9-17	5.0-10	---	7.9 - 8.4	1-10	0	0.0	0
	17-21	---	---	---	---	---	---	---
Cumulic Cryaquolls	---	---	---	---	---	---	---	---
572:								
Sumine	0-6	20-30	---	6.6 - 7.8	0	0	0.0	0
	6-27	20-30	---	6.6 - 7.8	0	0	0.0	0
	27-31	---	---	---	---	---	---	---
Shivlum	0-9	15-20	---	6.6 - 7.8	0	0	0.0	0
	9-34	15-25	---	6.6 - 7.8	0	0	0.0	0
	34-60	15-20	---	6.6 - 7.8	0	0	0.0	0

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
572:								
Cleavage	0-6	15-25	---	6.6 - 7.8	0	0	0.0	0
	6-15	15-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
573:								
Sumine	0-6	20-30	---	6.6 - 7.8	0	0	0.0	0
	6-27	20-30	---	6.6 - 7.8	0	0	0.0	0
	27-31	---	---	---	---	---	---	---
Hackwood	0-20	12-35	---	6.1 - 7.3	0	0	0.0	0
	20-30	12-30	---	6.1 - 7.3	0	0	0.0	0
	30-60	20-35	---	6.1 - 7.3	0	0	0.0	0
Gando	0-9	10-15	---	7.4 - 8.4	0	0	0.0	0
	9-17	5.0-10	---	7.9 - 8.4	1-10	0	0.0	0
	17-21	---	---	---	---	---	---	---
574:								
Sumine	0-6	20-30	---	6.6 - 7.8	0	0	0.0	0
	6-27	20-30	---	6.6 - 7.8	0	0	0.0	0
	27-31	---	---	---	---	---	---	---
Cleavage	0-6	15-25	---	6.6 - 7.8	0	0	0.0	0
	6-15	15-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Cleavage	0-6	10-25	---	6.6 - 7.8	0	0	0.0	0
	6-15	15-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
575:								
Sumine	0-6	20-30	---	6.6 - 7.8	0	0	0.0	0
	6-27	20-30	---	6.6 - 7.8	0	0	0.0	0
	27-31	---	---	---	---	---	---	---
Hapgood	0-8	15-25	---	6.1 - 7.3	0	0	0.0	0
	8-31	15-20	---	6.1 - 7.3	0	0	0.0	0
	31-42	5.0-10	---	6.1 - 7.3	0	0	0.0	0
	42-46	---	---	---	---	---	---	---
Hackwood	0-20	12-35	---	6.1 - 7.3	0	0	0.0	0
	20-30	12-30	---	6.1 - 7.3	0	0	0.0	0
	30-60	20-35	---	6.1 - 7.3	0	0	0.0	0
576:								
Sumine	0-6	20-30	---	6.6 - 7.8	0	0	0.0	0
	6-27	20-30	---	6.6 - 7.8	0	0	0.0	0
	27-31	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
576:								
Cleavage	0-6	15-20	---	6.6 - 7.8	0	0	0.0	0
	6-15	15-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Hapgood	0-8	15-25	---	6.1 - 7.3	0	0	0.0	0
	8-31	15-20	---	6.1 - 7.3	0	0	0.0	0
	31-42	5.0-10	---	6.1 - 7.3	0	0	0.0	0
	42-46	---	---	---	---	---	---	---
577:								
Sumine	0-6	20-30	---	6.6 - 7.8	0	0	0.0	0
	6-27	20-30	---	6.6 - 7.8	0	0	0.0	0
	27-31	---	---	---	---	---	---	---
Tusel	0-19	10-25	---	6.1 - 7.3	0	0	0.0	0
	19-45	15-35	---	6.1 - 7.3	0	0	0.0	0
	45-49	---	---	---	---	---	---	---
Hapgood	0-8	15-25	---	6.1 - 7.3	0	0	0.0	0
	8-31	15-20	---	6.1 - 7.3	0	0	0.0	0
	31-42	5.0-10	---	6.1 - 7.3	0	0	0.0	0
	42-46	---	---	---	---	---	---	---
578:								
Sumine	0-6	20-30	---	6.6 - 7.8	0	0	0.0	0
	6-27	20-30	---	6.6 - 7.8	0	0	0.0	0
	27-31	---	---	---	---	---	---	---
Tusel	0-19	10-25	---	6.1 - 7.3	0	0	0.0	0
	19-45	15-35	---	6.1 - 7.3	0	0	0.0	0
	45-49	---	---	---	---	---	---	---
Hapgood	0-8	15-25	---	6.1 - 7.3	0	0	0.0	0
	8-31	15-20	---	6.1 - 7.3	0	0	0.0	0
	31-42	5.0-10	---	6.1 - 7.3	0	0	0.0	0
	42-46	---	---	---	---	---	---	---
Welch	---	---	---	---	---	---	---	
579:								
Sumine	0-6	20-30	---	6.6 - 7.8	0	0	0.0	0
	6-27	20-30	---	6.6 - 7.8	0	0	0.0	0
	27-31	---	---	---	---	---	---	---
Pernty	0-2	15-20	---	6.6 - 7.3	0	0	0.0	0
	2-18	15-20	---	6.6 - 7.3	0	0	0.0	0
	18-22	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
579:								
Tusel	0-19	10-25	---	6.1 - 7.3	0	0	0.0	0
	19-45	15-35	---	6.1 - 7.3	0	0	0.0	0
	45-49	---	---	---	---	---	---	---
580:								
Sumine	0-6	20-30	---	6.6 - 7.8	0	0	0.0	0
	6-27	20-30	---	6.6 - 7.8	0	0	0.0	0
	27-31	---	---	---	---	---	---	---
Cleavage	0-6	15-20	---	6.6 - 7.8	0	0	0.0	0
	6-15	15-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Pernty	0-2	15-20	---	6.6 - 7.3	0	0	0.0	0
	2-18	15-20	---	6.6 - 7.3	0	0	0.0	0
	18-22	---	---	---	---	---	---	---
582:								
Sumine	0-6	20-30	---	6.6 - 7.8	0	0	0.0	0
	6-27	25-40	---	6.6 - 7.8	0	0	0.0	0
	27-31	---	---	---	---	---	---	---
Vitale	0-6	8.0-20	---	6.1 - 7.3	0	0	0.0	0
	6-23	10-25	---	6.6 - 7.8	0	0	0.0	0
	23-27	---	---	---	---	---	---	---
Bullvaro	0-15	10-25	---	6.6 - 7.3	0	0	0.0	0
	15-23	15-20	---	6.6 - 7.3	0	0	0.0	0
	23-37	10-20	---	6.6 - 7.3	0	0	0.0	0
	37-60	5.0-10	---	6.6 - 7.3	0	0	0.0	0
Cumulic Cryaquolls	---	---	---	---	---	---	---	
583:								
Sumine	0-6	20-30	---	6.6 - 7.8	0	0	0.0	0
	6-27	20-30	---	6.6 - 7.8	0	0	0.0	0
	27-31	---	---	---	---	---	---	---
Cleavage	0-6	15-20	---	6.6 - 7.8	0	0	0.0	0
	6-15	15-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	
Welch, Frequently Flooded	---	---	---	---	---	---	---	

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
584:								
Sumine	0-6	20-30	---	6.6 - 7.8	0	0	0.0	0
	6-27	20-30	---	6.6 - 7.8	0	0	0.0	0
	27-31	---	---	---	---	---	---	---
Pernty	0-2	15-20	---	6.6 - 7.3	0	0	0.0	0
	2-18	15-20	---	6.6 - 7.3	0	0	0.0	0
	18-22	---	---	---	---	---	---	---
Hapgood	0-8	15-25	---	6.1 - 7.3	0	0	0.0	0
	8-31	15-20	---	6.1 - 7.3	0	0	0.0	0
	31-42	5.0-10	---	6.1 - 7.3	0	0	0.0	0
	42-46	---	---	---	---	---	---	---
Welch	---	---	---	---	---	---	---	---
585:								
Sumine	0-6	20-30	---	6.6 - 7.8	0	0	0.0	0
	6-27	20-30	---	6.6 - 7.8	0	0	0.0	0
	27-31	---	---	---	---	---	---	---
Pernty	0-2	15-20	---	6.6 - 7.3	0	0	0.0	0
	2-18	15-20	---	6.6 - 7.3	0	0	0.0	0
	18-22	---	---	---	---	---	---	---
Mcivey	0-12	15-25	---	6.6 - 7.3	0	0	0.0	0
	12-24	20-30	---	6.1 - 7.3	0	0	0.0	0
	24-42	25-35	---	6.1 - 7.3	0	0	0.0	0
	42-60	20-30	---	6.1 - 7.3	0	0	0.0	0
586:								
Sumine	0-6	20-30	---	6.6 - 7.8	0	0	0.0	0
	6-27	20-30	---	6.6 - 7.8	0	0	0.0	0
	27-31	---	---	---	---	---	---	---
Loncan	0-14	15-20	---	6.6 - 7.3	0	0	0.0	0
	14-31	10-15	---	6.6 - 7.3	0	0	0.0	0
	31-35	---	---	---	---	---	---	---
Cleavage	0-6	15-20	---	6.6 - 7.8	0	0	0.0	0
	6-15	15-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
587:								
Sumine	0-6	20-30	---	6.6 - 7.8	0	0	0.0	0
	6-27	20-30	---	6.6 - 7.8	0	0	0.0	0
	27-31	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
587:								
Bullvaro	0-15	10-25	---	6.6 - 7.3	0	0	0.0	0
	15-23	15-20	---	6.6 - 7.3	0	0	0.0	0
	23-37	10-20	---	6.6 - 7.3	0	0	0.0	0
	37-60	5.0-10	---	6.6 - 7.3	0	0	0.0	0
Hackwood	0-20	12-35	---	6.1 - 7.3	0	0	0.0	0
	20-30	12-30	---	6.1 - 7.3	0	0	0.0	0
	30-60	20-35	---	6.1 - 7.3	0	0	0.0	0
Cumulic Cryaquolls	---	---	---	---	---	---	---	
590:								
Bucan	0-11	15-20	---	6.6 - 7.3	0	0	0.0	0
	11-30	25-35	---	6.6 - 7.8	0	0	0.0	0
	30-57	20-25	---	7.9 - 9.0	5-10	0	0.0-2.0	0-5
	57-61	---	---	---	---	---	---	---
Kelk	0-14	15-25	---	6.6 - 8.4	0-1	0	0.0-4.0	0-5
	14-51	20-30	---	7.4 - 8.4	1-5	0	0.0-8.0	0-12
	51-60	20-30	---	8.5 - 9.0	1-5	0	4.0-16.0	13-30
Orovada	0-7	10-15	---	6.6 - 8.4	0	0	0.0	0
	7-15	10-20	---	7.4 - 8.4	0-5	0	0.0-4.0	0-5
	15-60	10-20	---	7.9 - 9.6	1-15	0	4.0-16.0	1-12
591:								
Bucan	0-11	15-20	---	6.6 - 7.3	0	0	0.0	0
	11-30	25-35	---	6.6 - 7.8	0	0	0.0	0
	30-57	20-25	---	7.9 - 9.0	5-10	0	0.0-2.0	0-5
	57-61	---	---	---	---	---	---	---
Vanwyper	0-10	25-35	---	6.6 - 7.3	0	0	0.0	0
	10-25	20-30	---	6.6 - 7.8	0	0	0.0	0-5
	25-29	---	---	---	---	---	---	---
Akler	0-6	15-20	---	6.6 - 7.8	0	0	0.0	0
	6-17	30-35	---	6.6 - 7.8	0	0	0.0	0
	17-21	---	---	---	---	---	---	---
600:								
Bullump	0-23	15-30	---	6.1 - 7.8	0	0	0.0	0
	23-54	10-25	---	6.1 - 7.8	0	0	0.0	0
	54-58	---	---	---	---	---	---	---
Hapgood	0-8	15-25	---	6.1 - 7.3	0	0	0.0	0
	8-31	15-20	---	6.1 - 7.3	0	0	0.0	0
	31-42	5.0-10	---	6.1 - 7.3	0	0	0.0	0
	42-46	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
600:								
Gando	0-9	10-15	---	7.4 - 8.4	0	0	0.0	0
	9-17	5.0-10	---	7.9 - 8.4	1-10	0	0.0	0
	17-21	---	---	---	---	---	---	---
Cumulic Cryaquolls	---	---	---	---	---	---	---	---
Welch	---	---	---	---	---	---	---	---
620:								
Soughe	0-2	10-25	---	6.6 - 8.4	0	0	0.0	0
	2-10	20-30	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	10-14	---	---	---	---	---	---	---
Soughe	0-4	10-25	---	6.6 - 8.4	0	0	0.0	0
	4-14	20-30	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	14-18	---	---	---	---	---	---	---
630:								
Cowgil Variant	0-5	5.0-15	---	6.6 - 7.3	0	0	0.0	0
	5-12	15-20	---	6.6 - 7.3	0	0	0.0	0
	12-42	5.0-15	---	6.6 - 7.3	0	0	0.0	0
	42-46	---	---	---	---	---	---	---
Soughe	0-2	10-25	---	6.6 - 8.4	0	0	0.0	0
	2-10	20-30	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	10-14	---	---	---	---	---	---	---
Devilsgait	---	---	---	---	---	---	---	---
631:								
Hunewill	0-7	10-18	---	6.6 - 7.3	0	0	0.0	0
	7-19	19-27	---	6.6 - 7.8	0	0	0.0	0
	19-62	0.0-2.0	---	6.6 - 7.8	0	0	0.0	0
Bilbo	0-4	10-25	---	6.6 - 7.8	0	0	0.0	0
	4-22	20-40	---	6.6 - 7.8	0	0	0.0	0
	22-60	5.0-10	---	7.4 - 8.4	10-20	0	0.0-2.0	0-12
Devilsgait	0-8	15-25	---	7.9 - 9.0	1-5	0	0.0-4.0	0
	8-43	15-25	---	7.9 - 9.0	1-5	0	0.0-4.0	0
	43-68	10-20	---	7.4 - 8.4	0-5	0	0.0-4.0	0
632:								
Hunewill	0-7	5.0-10	---	6.6 - 7.3	0	0	0.0	0
	7-19	19-27	---	6.6 - 7.8	0	0	0.0	0
	19-62	0.0-2.0	---	6.6 - 7.8	0	0	0.0	0

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
632:								
Kelk	0-14	15-25	---	6.6 - 8.4	0-1	0	0.0-4.0	0-5
	14-51	20-30	---	7.4 - 8.4	1-5	0	0.0-8.0	0-12
	51-60	20-30	---	8.5 - 9.0	1-5	0	4.0-16.0	13-30
Devilsgait	0-8	15-25	---	7.9 - 9.0	1-5	0	0.0-4.0	0
	8-43	15-25	---	7.9 - 9.0	1-5	0	0.0-4.0	0
	43-68	10-20	---	7.4 - 8.4	0-5	0	0.0-4.0	0
633:								
Hunewill	0-7	6.0-15	---	6.6 - 7.3	0	0	0.0	0
	7-19	19-27	---	6.6 - 7.3	0	0	0.0	0
	19-62	0.0-2.0	---	6.6 - 7.8	0	0	0.0	0
Kelk	0-14	15-25	---	6.6 - 8.4	0-1	0	0.0-4.0	0-5
	14-51	20-30	---	7.4 - 8.4	1-5	0	0.0-8.0	0-12
	51-60	20-30	---	8.5 - 9.0	1-5	0	4.0-16.0	13-30
Hunewill	0-7	5.0-10	---	6.6 - 7.3	0	0	0.0	0
	7-19	19-27	---	6.6 - 7.8	0	0	0.0	0
	19-62	0.0-2.0	---	6.6 - 7.8	0	0	0.0	0
640:								
Arcia	0-14	10-20	---	6.6 - 7.3	0	0	0.0	0
	14-21	20-30	---	6.6 - 7.3	0	0	0.0	0
	21-34	25-40	---	6.6 - 7.3	0	0	0.0	0
	34-39	25-35	---	6.6 - 7.3	0	0	0.0	0
	39-43	---	---	---	---	---	---	---
Tusel	0-19	10-25	---	6.1 - 7.3	0	0	0.0	0
	19-45	15-35	---	6.1 - 7.3	0	0	0.0	0
	45-49	---	---	---	---	---	---	---
Hackwood	0-20	12-35	---	6.1 - 7.3	0	0	0.0	0
	20-30	12-30	---	6.1 - 7.3	0	0	0.0	0
	30-60	20-35	---	6.1 - 7.3	0	0	0.0	0
650:								
Karpp	0-7	10-20	---	7.4 - 8.4	1-10	0	0.0-2.0	0
	7-15	10-15	---	7.9 - 9.0	5-10	0	0.0-2.0	0-12
	15-41	---	---	---	---	---	---	---
Chiara	0-4	15-28	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	4-10	15-28	---	6.6 - 9.0	0-5	0	0.0-4.0	0-12
	10-14	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
650:								
Rad	0-7	10-15	---	6.6 - 7.8	0	0	0.0-2.0	0-5
	7-26	5.0-10	---	7.4 - 9.0	0	0	0.0-4.0	0-12
	26-56	5.0-10	---	7.9 - 9.6	0-5	0	8.0-16.0	13-30
	56-62	5.0-10	---	7.9 - 9.6	1-5	0	8.0-16.0	13-30
651:								
Karpp	0-7	10-20	---	7.4 - 8.4	1-10	0	0.0-2.0	0
	7-15	10-15	---	7.9 - 9.0	5-10	0	0.0-2.0	0-12
	15-41	---	---	---	---	---	---	---
Chiara	0-4	15-28	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	4-10	15-28	---	6.6 - 9.0	0-5	0	0.0-4.0	0-12
	10-14	---	---	---	---	---	---	---
Wieland	0-5	10-20	---	7.4 - 8.4	0	0	0.0-2.0	0-5
	5-26	25-45	---	7.4 - 9.0	0-5	0	0.0-4.0	0-12
	26-52	15-30	---	7.9 - 9.0	5-20	0	0.0-8.0	0-12
	52-60	5.0-15	---	7.9 - 9.0	5-20	0	0.0-8.0	0-12
660:								
Ichbod	0-3	10-15	---	7.4 - 7.8	0	0	0.0	0
	3-7	15-25	---	7.4 - 7.8	0	0	0.0	0
	7-19	20-35	---	7.4 - 7.8	0	0	0.0	0
	19-35	---	---	---	---	---	---	---
	35-39	---	---	---	---	---	---	---
Akler	0-6	15-20	---	6.6 - 7.8	0	0	0.0	0
	6-17	30-35	---	6.6 - 7.8	0	0	0.0	0
	17-21	---	---	---	---	---	---	---
690:								
Welch	0-9	15-20	---	6.1 - 7.3	0	0	0.0	0
	9-61	25-35	---	6.1 - 7.8	0	0	0.0	0
Welch	0-9	45-55	---	6.1 - 7.3	0	0	0.0	0
	9-61	20-40	---	6.1 - 7.8	0	0	0.0	0
Welch	---	---	---	---	---	---	---	---
693:								
Welch	0-9	15-20	---	6.1 - 7.3	0	0	0.0	0
	9-61	25-35	---	6.1 - 7.8	0	0	0.0	0
Woofus	0-8	15-25	---	7.9 - 8.4	1-10	0	0.0-2.0	0
	8-30	15-20	---	7.4 - 8.4	0-10	0	0.0-2.0	0
	30-60	0.0-5.0	---	7.4 - 8.4	0-5	0	0.0-2.0	0
Devilsgait	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
693:								
Tweba	---	---	---	---	---	---	---	---
695:								
Welch	0-9	25-35	---	6.1 - 7.3	0	0	0.0	0
	9-61	20-40	---	6.1 - 7.8	0	0	0.0	0
Crooked Creek	0-5	20-25	---	6.6 - 8.4	0	0	0.0-2.0	0
	5-38	20-35	---	6.6 - 8.4	0	0	0.0-2.0	0
	38-60	15-30	---	6.6 - 8.4	0	0	0.0-2.0	0
Welch	0-9	25-35	---	6.1 - 7.3	0	0	0.0	0
	9-61	20-40	---	6.1 - 7.8	0	0	0.0	0
Crooked Creek	---	---	---	---	---	---	---	---
698:								
Halleck	0-9	15-25	---	7.4 - 8.4	1-10	0	0.0-2.0	0
	9-36	15-25	---	7.4 - 8.4	1-10	0	0.0-2.0	0
	36-61	10-25	---	7.4 - 8.4	1-10	0	0.0-2.0	0
Crooked Creek	0-5	20-35	---	6.6 - 8.4	0	0	0.0-2.0	0
	5-38	20-35	---	6.6 - 8.4	0	0	0.0-2.0	0
	38-60	15-30	---	6.6 - 8.4	0	0	0.0-2.0	0
Halleck	0-9	15-25	---	7.4 - 8.4	1-10	0	0.0-2.0	0
	9-36	15-25	---	7.4 - 8.4	1-10	0	0.0-2.0	0
	36-61	10-25	---	7.4 - 8.4	1-10	0	0.0-2.0	0
Hussa	---	---	---	---	---	---	---	---
700:								
Leevan	0-5	15-30	---	6.6 - 7.3	0	0	0.0	0
	5-9	25-35	---	6.6 - 7.3	0	0	0.0	0
	9-14	40-50	---	6.6 - 7.3	0	0	0.0	0
	14-24	40-50	---	6.6 - 7.8	0	0	0.0	0
	24-28	---	---	---	---	---	---	---
Cleavage	0-6	10-25	---	6.6 - 7.8	0	0	0.0	0
	6-15	15-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Arcia	0-14	10-20	---	6.6 - 7.3	0	0	0.0	0
	14-21	20-30	---	6.6 - 7.3	0	0	0.0	0
	21-34	25-40	---	6.6 - 7.3	0	0	0.0	0
	34-39	25-35	---	6.6 - 7.3	0	0	0.0	0
	39-43	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
701:								
Leevan	0-5	15-30	---	6.6 - 7.3	0	0	0.0	0
	5-9	25-35	---	6.6 - 7.3	0	0	0.0	0
	9-14	40-50	---	6.6 - 7.3	0	0	0.0	0
	14-24	40-50	---	6.6 - 7.8	0	0	0.0	0
	24-28	---	---	---	---	---	---	---
Pernog	0-10	15-25	---	6.6 - 7.3	0	0	0.0	0
	10-17	15-25	---	6.6 - 7.3	0	0	0.0	0
	17-21	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
702:								
Leevan	0-9	20-30	---	6.6 - 7.3	0	0	0.0	0
	9-26	40-50	---	6.6 - 7.8	0	0	0.0	0
	26-30	---	---	---	---	---	---	---
Quarz	0-4	15-25	---	6.6 - 7.3	0	0	0.0	0
	4-12	20-30	---	6.6 - 7.3	0	0	0.0	0
	12-26	20-35	---	6.6 - 7.3	0	0	0.0	0
	26-30	---	---	---	---	---	---	---
Mcivey	0-12	15-25	---	6.6 - 7.3	0	0	0.0	0
	12-24	20-30	---	6.1 - 7.3	0	0	0.0	0
	24-42	25-35	---	6.1 - 7.3	0	0	0.0	0
	42-60	20-30	---	6.1 - 7.3	0	0	0.0	0
710:								
Samor	0-6	10-20	---	7.9 - 8.4	10-20	0	0.0-2.0	0
	6-19	10-15	---	7.9 - 8.4	15-25	0	0.0-2.0	0-5
	19-23	---	---	---	---	---	---	---
Porrone	0-18	5.0-15	---	7.4 - 8.4	10-20	0	0.0-2.0	0
	18-65	5.0-10	---	7.9 - 9.6	20-40	0	0.0-4.0	0
Rock Outcrop	---	---	---	---	---	---	---	---
711:								
Samor	0-6	10-20	---	7.9 - 8.4	10-20	0	0.0-2.0	0
	6-19	10-15	---	7.9 - 8.4	15-25	0	0.0-2.0	0-5
	19-23	---	---	---	---	---	---	---
Siri	0-6	10-20	---	7.4 - 7.8	5-10	0	0.0	0
	6-57	10-15	---	7.4 - 8.4	15-20	0	0.0-2.0	0-5
	57-61	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
711:								
Nirac	0-14	10-15	---	7.4 - 8.4	5-10	0	0.0	0
	14-25	10-15	---	7.9 - 8.4	25-40	0	0.0-2.0	0
	25-29	---	---	---	---	---	---	---
712:								
Samor	0-6	10-20	---	7.9 - 8.4	10-20	0	0.0-2.0	0
	6-19	10-15	---	7.9 - 8.4	15-25	0	0.0-2.0	0-5
	19-23	---	---	---	---	---	---	---
Nirac	0-14	10-15	---	7.4 - 8.4	5-10	0	0.0	0
	14-25	10-15	---	7.9 - 8.4	25-40	0	0.0-2.0	0
	25-29	---	---	---	---	---	---	---
Samor	0-6	10-20	---	7.9 - 8.4	10-20	0	0.0-2.0	0
	6-19	10-15	---	7.9 - 8.4	15-25	0	0.0-2.0	0-5
	19-23	---	---	---	---	---	---	---
716:								
Samor	0-6	10-20	---	7.9 - 8.4	10-20	0	0.0-2.0	0
	6-19	10-15	---	7.9 - 8.4	15-25	0	0.0-2.0	0-5
	19-23	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
Nirac	0-14	10-15	---	7.4 - 8.4	5-10	0	0.0	0
	14-25	10-15	---	7.9 - 8.4	25-40	0	0.0-2.0	0
	25-29	---	---	---	---	---	---	---
719:								
Samor	0-6	10-20	---	7.9 - 8.4	10-20	0	0.0-2.0	0
	6-19	10-15	---	7.9 - 8.4	15-25	0	0.0-2.0	0-5
	19-23	---	---	---	---	---	---	---
Sumine	0-6	20-30	---	6.6 - 7.8	0	0	0.0	0
	6-27	20-30	---	6.6 - 7.8	0	0	0.0	0
	27-31	---	---	---	---	---	---	---
Eboda	0-9	15-25	---	6.6 - 7.8	0	0	0.0	0
	9-33	15-20	---	6.6 - 7.8	0	0	0.0	0
	33-39	5.0-20	---	6.6 - 7.8	0	0	0.0	0
	39-43	---	---	---	---	---	---	---
722:								
Lerrow	0-5	15-20	---	6.6 - 7.3	0	0	0.0	0
	5-15	20-25	---	6.6 - 7.3	0	0	0.0	0
	15-32	25-30	---	6.6 - 7.8	0	0	0.0	0
	32-36	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
722:								
Hapgood	0-8	15-25	---	6.1 - 7.3	0	0	0.0	0
	8-31	15-20	---	6.1 - 7.3	0	0	0.0	0
	31-42	5.0-10	---	6.1 - 7.3	0	0	0.0	0
	42-46	---	---	---	---	---	---	---
Cleavage	0-6	15-20	---	6.6 - 7.8	0	0	0.0	0
	6-15	15-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
723:								
Lerrow	0-5	15-20	---	6.6 - 7.3	0	0	0.0	0
	5-15	20-25	---	6.6 - 7.3	0	0	0.0	0
	15-32	25-30	---	6.6 - 7.8	0	0	0.0	0
	32-36	---	---	---	---	---	---	---
Cotant	0-3	10-25	---	6.6 - 7.8	0	0	0.0	0
	3-19	25-50	---	6.6 - 7.8	0	0	0.0	0
	19-31	---	---	---	---	---	---	---
Bregar	0-2	5.0-15	---	6.1 - 7.8	0	0	0.0	0
	2-8	15-30	---	6.1 - 7.8	0	0	0.0	0
	8-12	---	---	---	---	---	---	---
740:								
Connel	0-7	10-20	---	6.6 - 8.4	0	0	0.0	0-5
	7-20	10-25	---	7.4 - 8.4	0-5	0	0.0-2.0	1-12
	20-60	1.0-10	---	7.9 - 9.6	0-10	0-2	0.0-2.0	13-30
760:								
Yuko	0-2	5.0-10	---	6.6 - 7.3	0	0	0.0	0
	2-6	20-25	---	6.6 - 7.3	0	0	0.0	0
	6-8	20-30	---	7.4 - 7.8	0	0	0.0	0
	8-12	---	---	---	---	---	---	---
Quarz	0-4	15-25	---	6.6 - 7.8	0	0	0.0	0
	4-26	30-55	---	6.6 - 7.8	0	0	0.0	0
	26-30	---	---	---	---	---	---	---
Tuffo	0-3	10-30	---	6.6 - 7.8	0	0	0.0	0
	3-11	5.0-20	---	6.6 - 7.8	0	0	0.0	0
	11-15	---	---	---	---	---	---	---
761:								
Yuko	0-2	5.0-10	---	6.6 - 7.3	0	0	0.0	0
	2-6	20-25	---	6.6 - 7.3	0	0	0.0	0
	6-8	20-30	---	7.4 - 7.8	0	0	0.0	0
	8-12	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
761:								
Tuffo	0-3	10-30	---	6.6 - 7.8	0	0	0.0	0
	3-11	5.0-20	---	6.6 - 7.8	0	0	0.0	0
	11-15	---	---	---	---	---	---	---
Bregar	0-2	15-25	---	6.1 - 7.8	0	0	0.0	0
	2-8	20-30	---	6.1 - 7.8	0	0	0.0	0
	8-12	---	---	---	---	---	---	---
762:								
Yuko	0-2	5.0-15	---	6.6 - 7.3	0	0	0.0	0
	2-6	20-25	---	6.6 - 7.3	0	0	0.0	0
	6-8	20-30	---	7.4 - 7.8	0	0	0.0	0
	8-12	---	---	---	---	---	---	---
Bilbo	0-4	15-25	---	6.6 - 7.8	0	0	0.0	0
	4-22	20-30	---	6.6 - 7.8	0	0	0.0	0
	22-60	0.0-10	---	7.4 - 8.4	5-10	0	0.0-2.0	0-12
763:								
Yuko	0-2	5.0-10	---	6.6 - 7.3	0	0	0.0	0
	2-6	20-25	---	6.6 - 7.3	0	0	0.0	0
	6-8	20-30	---	7.4 - 7.8	0	0	0.0	0
	8-12	---	---	---	---	---	---	---
Tuffo	0-3	10-30	---	6.6 - 7.8	0	0	0.0	0
	3-11	5.0-20	---	6.6 - 7.8	0	0	0.0	0
	11-15	---	---	---	---	---	---	---
Yuko	0-2	5.0-10	---	6.6 - 7.3	0	0	0.0	0
	2-6	20-25	---	6.6 - 7.3	0	0	0.0	0
	6-8	20-30	---	7.4 - 7.8	0	0	0.0	0
	8-12	---	---	---	---	---	---	---
764:								
Yuko	0-2	5.0-10	---	6.6 - 7.3	0	0	0.0	0
	2-6	20-25	---	6.6 - 7.3	0	0	0.0	0
	6-8	20-30	---	7.4 - 7.8	0	0	0.0	0
	8-12	---	---	---	---	---	---	---
Tuffo	0-3	10-30	---	6.6 - 7.8	0	0	0.0	0
	3-11	5.0-20	---	6.6 - 7.8	0	0	0.0	0
	11-15	---	---	---	---	---	---	---
Upsteer	0-11	15-20	---	6.6 - 7.3	0	0	0.0	0
	11-35	10-20	---	6.6 - 7.3	0	0	0.0	0
	35-61	10-15	---	6.6 - 7.8	0	0	0.0	0

770:

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
770:								
Gochea	0-7	10-20	---	6.6 - 7.8	0	0	0.0	0
	7-21	15-25	---	7.4 - 7.8	0	0	0.0	0
	21-41	5.0-10	---	7.4 - 7.8	0	0	0.0	0
	41-60	0.0-5.0	---	7.4 - 7.8	0	0	0.0	0
Donna	0-10	15-25	---	6.1 - 7.3	0	0	0.0	0
	10-23	45-55	---	6.6 - 7.3	0	0	0.0	0
	23-33	---	---	---	---	---	---	---
	33-60	10-15	---	7.4 - 8.4	0-5	0	0.0-4.0	0
771:								
Gochea	0-7	10-15	---	6.6 - 7.8	0	0	0.0	0
	7-21	15-25	---	7.4 - 7.8	0	0	0.0	0
	21-41	5.0-10	---	7.4 - 7.8	0	0	0.0	0
	41-60	0.0-5.0	---	7.4 - 7.8	0-1	0	0.0	0
Welch	0-9	15-20	---	6.1 - 7.3	0	0	0.0	0
	9-61	25-35	---	6.1 - 7.8	0	0	0.0	0
Welch	0-9	25-35	---	6.1 - 7.3	0	0	0.0	0
	9-61	20-40	---	6.1 - 7.8	0	0	0.0	0
772:								
Gochea	0-7	10-20	---	6.6 - 7.8	0	0	0.0	0
	7-21	15-25	---	7.4 - 7.8	0	0	0.0	0
	21-41	5.0-10	---	7.4 - 7.8	0	0	0.0	0
	41-60	0.0-5.0	---	7.4 - 7.8	0	0	0.0	0
Gochea	0-7	10-15	---	6.6 - 7.8	0	0	0.0	0
	7-21	15-25	---	7.4 - 7.8	0	0	0.0	0
	21-41	5.0-10	---	7.4 - 7.8	0	0	0.0	0
	41-60	0.0-5.0	---	7.4 - 7.8	0-1	0	0.0	0
Tuffo	0-3	10-30	---	6.6 - 7.8	0	0	0.0	0
	3-11	5.0-20	---	6.6 - 7.8	0	0	0.0	0
	11-15	---	---	---	---	---	---	---
773:								
Gochea	0-8	15-20	---	6.6 - 7.3	0	0	0.0	0
	8-20	15-20	---	7.4 - 7.8	0	0	0.0	0
	20-47	5.0-10	---	8.5 - 9.0	0	0	0.0-4.0	0
	47-51	---	---	---	---	---	---	---
Samor	0-6	10-20	---	7.9 - 8.4	10-20	0	0.0-2.0	0
	6-19	10-15	---	7.9 - 8.4	15-25	0	0.0-2.0	0-5
	19-23	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
773:								
Nirac	0-14	10-15	---	7.4 - 8.4	5-10	0	0.0	0
	14-25	10-15	---	7.9 - 8.4	25-40	0	0.0-2.0	0
	25-29	---	---	---	---	---	---	---
775:								
Gochea	0-7	10-20	---	6.6 - 7.8	0	0	0.0	0
	7-21	15-25	---	7.4 - 7.8	0	0	0.0	0
	21-41	5.0-10	---	7.4 - 7.8	0	0	0.0	0
	41-60	0.0-5.0	---	7.4 - 7.8	0	0	0.0	0
Donna	0-10	15-25	---	6.1 - 7.3	0	0	0.0	0
	10-23	45-55	---	6.6 - 7.3	0	0	0.0	0
	23-33	---	---	---	---	---	---	---
	33-60	10-15	---	7.4 - 8.4	0-5	0	0.0-4.0	0
Stampede	0-11	15-25	---	6.1 - 7.3	0	0	0.0	0
	11-35	25-35	---	6.6 - 7.8	0	0	0.0	0
	35-45	---	---	---	---	---	---	---
Crooked Creek, Frequently Flooded	---	---	---	---	---	---	---	
780:								
Cowgil	0-3	10-15	---	7.4 - 8.4	0	0	0.0	0
	3-30	15-25	---	7.4 - 8.4	0-5	0	0.0-2.0	0
	30-61	1.0-8.0	---	7.4 - 8.4	1-5	0	0.0-2.0	0
Linkup	0-3	20-25	---	6.6 - 7.3	0	0	0.0	0
	3-8	15-30	---	6.6 - 7.3	0	0	0.0	0
	8-16	25-35	---	6.6 - 7.8	0	0	0.0	0
	16-20	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	
810:								
Nirac	0-14	10-15	---	7.4 - 8.4	5-10	0	0.0	0
	14-25	10-15	---	7.9 - 8.4	25-40	0	0.0-2.0	0
	25-29	---	---	---	---	---	---	---
Izod	0-3	10-20	---	7.4 - 8.4	40-50	0	0.0	0
	3-13	10-15	---	7.4 - 8.4	40-50	0	0.0	0
	13-17	---	---	---	---	---	---	---
Izod	0-3	10-20	---	7.4 - 8.4	40-50	0	0.0	0
	3-13	10-15	---	7.4 - 8.4	40-50	0	0.0	0
	13-17	---	---	---	---	---	---	---

813:

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
813:								
Spilock	0-4	10-20	---	7.9 - 8.4	15-25	0	0.0-2.0	0-5
	4-10	10-15	---	7.9 - 8.4	15-25	0	0.0-2.0	0-12
	10-30	---	---	---	---	---	---	---
Gochea	0-8	15-20	---	6.6 - 7.3	0	0	0.0	0
	8-20	15-20	---	7.4 - 7.8	0	0	0.0	0
	20-47	5.0-10	---	8.5 - 9.0	0	0	0.0-4.0	0
	47-51	---	---	---	---	---	---	---
Chiara	0-4	15-28	---	6.6 - 8.4	0	0	0.0-2.0	0
	4-10	15-28	---	6.6 - 9.0	0-5	0	0.0-4.0	0-12
	10-14	---	---	---	---	---	---	---
814:								
Denay	0-15	5.0-15	---	7.4 - 8.4	1-5	0	0.0	0
	15-60	5.0-10	---	7.4 - 8.4	5-15	0	0.0-2.0	0
Siri	0-6	10-20	---	7.4 - 7.8	5-10	0	0.0	0
	6-57	10-15	---	7.4 - 8.4	15-20	0	0.0-2.0	1-5
	57-61	---	---	---	---	---	---	---
Bobs	0-13	10-20	---	7.9 - 9.0	20-30	0	0.0	0
	13-19	8.0-18	---	7.9 - 9.0	35-45	0	0.0-2.0	0-5
	19-23	---	---	---	---	---	---	---
832:								
Alburz	0-7	10-20	---	6.6 - 7.3	0	0	0.0	0
	7-20	5.0-15	---	6.6 - 7.3	0	0	0.0	0
	20-60	0.0-5.0	---	6.6 - 7.3	0	0	0.0	0
Alburz Variant	0-12	10-20	---	6.6 - 7.3	0	0	0.0	0
	12-20	5.0-15	---	6.6 - 7.3	0	0	0.0	0
	20-60	0.0-5.0	---	6.6 - 7.3	0	0	0.0	0
Tweba	---	---	---	---	---	---	---	---
Welsum	---	---	---	---	---	---	---	---
Woofus	---	---	---	---	---	---	---	---
834:								
Alburz	0-7	10-20	---	6.6 - 7.3	0	0	0.0	0
	7-20	5.0-15	---	6.6 - 7.3	0	0	0.0	0
	20-60	0.0-5.0	---	6.6 - 7.3	0	0	0.0	0
Welch	0-9	15-20	---	6.1 - 7.3	0	0	0.0	0
	9-61	25-35	---	6.1 - 7.8	0	0	0.0	0

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
835:								
Alburz	0-7	10-20	---	6.6 - 7.3	0	0	0.0	0
	7-20	5.0-15	---	6.6 - 7.3	0	0	0.0	0
	20-60	0.0-5.0	---	6.6 - 7.3	0	0	0.0	0
Ocala	0-20	10-20	---	8.5 - 9.6	5-10	0	4.0-8.0	46-90
	20-50	10-20	---	8.5 - 9.0	5-15	0	4.0-8.0	13-45
	50-60	10-15	---	8.5 - 9.0	5-15	0	4.0-8.0	13-45
839:								
Woofus	0-8	15-25	---	7.9 - 8.4	1-10	0	0.0-2.0	0
	8-30	15-20	---	7.4 - 8.4	0-10	0	0.0-2.0	0
	30-60	0.0-5.0	---	7.4 - 8.4	0-5	0	0.0-2.0	0
Tweba	0-19	10-20	---	7.4 - 9.0	0-5	0	0.0-4.0	0-5
	19-34	5.0-15	---	7.4 - 9.6	5-10	0	0.0-4.0	0-5
	34-60	0.0-5.0	---	7.4 - 9.0	1-10	0	0.0-2.0	0-12
Devilsgait	0-13	15-25	---	7.4 - 8.4	1-5	0	0.0-2.0	0
	13-42	15-25	---	7.4 - 8.4	1-5	0	0.0-2.0	0
	42-54	15-20	---	7.4 - 8.4	0-5	0	0.0-2.0	0
	54-63	0.0-5.0	---	7.4 - 8.4	0-5	0	0.0	0
Woofus	---	---	---	---	---	---	---	
840:								
Ninemile	0-5	14-20	---	6.1 - 7.8	0	0	0.0	0
	5-12	38-52	---	6.1 - 7.8	0	0	0.0	0
	12-16	---	---	---	---	---	---	---
Quarz	0-4	15-25	---	6.6 - 7.8	0	0	0.0	0
	4-26	30-55	---	6.6 - 7.8	0	0	0.0	0
	26-30	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	
851:								
Loomis	0-2	15-20	---	6.6 - 7.8	0	0	0.0	0
	2-7	20-25	---	6.6 - 7.8	0	0	0.0	0
	7-11	25-35	---	6.6 - 7.8	0	0	0.0	0
	11-15	---	---	---	---	---	---	---
Izod	0-3	10-20	---	7.4 - 8.4	40-50	0	0.0	0
	3-13	10-15	---	7.4 - 8.4	40-50	0	0.0-2.0	0
	13-17	---	---	---	---	---	---	---

852:

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
852:								
Loomis	0-2	15-20	---	6.6 - 7.8	0	0	0.0	0
	2-7	20-25	---	6.6 - 7.8	0	0	0.0	0
	7-11	25-35	---	6.6 - 7.8	0	0	0.0	0
	11-15	---	---	---	---	---	---	---
Vanwyper	0-10	25-35	---	6.6 - 7.3	0	0	0.0	0
	10-25	20-30	---	6.6 - 7.8	0	0	0.0	0-5
	25-29	---	---	---	---	---	---	---
Norfolk	0-2	15-20	---	6.6 - 7.8	0	0	0.0	0
	2-12	20-25	---	6.6 - 8.4	0	0	0.0	0
	12-24	---	---	---	---	---	---	---
	24-28	---	---	---	---	---	---	---
862:								
Loncan	0-14	15-20	---	6.6 - 7.3	0	0	0.0	0
	14-31	10-15	---	6.6 - 7.3	0	0	0.0	0
	31-35	---	---	---	---	---	---	---
Hapgood	0-8	15-25	---	6.1 - 7.3	0	0	0.0	0
	8-31	15-20	---	6.1 - 7.3	0	0	0.0	0
	31-42	5.0-10	---	6.1 - 7.3	0	0	0.0	0
	42-46	---	---	---	---	---	---	---
Cleavage	0-6	15-20	---	6.6 - 7.8	0	0	0.0	0
	6-15	15-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
881:								
Fulstone	0-3	10-20	---	6.1 - 7.3	0	0	0.0	0
	3-19	30-35	---	6.6 - 8.4	0	0	0.0-2.0	0-2
	19-34	---	---	---	---	---	---	---
	34-57	25-30	---	7.4 - 9.0	1-10	0	0.0-2.0	0-12
Kleckner	0-9	15-25	---	6.6 - 7.8	0	0	0.0	0
	9-25	20-35	---	7.4 - 7.8	0	0	0.0	0
	25-41	20-30	---	7.4 - 7.8	0	0	0.0	0
	41-63	10-15	---	7.4 - 7.8	0	0	0.0	0
Stampede	0-11	15-25	---	6.1 - 7.3	0	0	0.0	0
	11-35	25-35	---	6.6 - 7.8	0	0	0.0	0
	35-45	---	---	---	---	---	---	---
912:								
Tuffo	0-3	10-30	---	6.6 - 7.8	0	0	0.0	0
	3-11	5.0-20	---	6.6 - 7.8	0	0	0.0	0
	11-15	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
912:								
Yuko	0-2	5.0-15	---	6.6 - 7.3	0	0	0.0	0
	2-6	20-25	---	6.6 - 7.3	0	0	0.0	0
	6-8	20-30	---	7.4 - 7.8	0	0	0.0	0
	8-12	---	---	---	---	---	---	---
Tuffo	0-3	10-30	---	6.6 - 7.8	0	0	0.0	0
	3-11	5.0-20	---	6.6 - 7.8	0	0	0.0	0
	11-15	---	---	---	---	---	---	---
913:								
Tuffo	0-3	10-30	---	6.6 - 7.8	0	0	0.0	0
	3-11	5.0-20	---	6.6 - 7.8	0	0	0.0	0
	11-15	---	---	---	---	---	---	---
Yuko	0-2	5.0-10	---	6.6 - 7.3	0	0	0.0	0
	2-6	20-25	---	6.6 - 7.3	0	0	0.0	0
	6-8	20-30	---	7.4 - 7.8	0	0	0.0	0
	8-12	---	---	---	---	---	---	---
Vanwyper	0-8	15-25	---	6.6 - 7.8	0	0	0.0	0
	8-39	20-45	---	6.6 - 7.8	0	0	0.0	0-5
	39-43	---	---	---	---	---	---	---
920:								
Bullump	0-23	15-30	---	6.1 - 7.8	0	0	0.0	0
	23-54	10-25	---	6.1 - 7.8	0	0	0.0	0
	54-58	---	---	---	---	---	---	---
Gando	0-9	10-15	---	7.4 - 8.4	0	0	0.0	0
	9-17	5.0-10	---	7.9 - 8.4	1-10	0	0.0	0
	17-21	---	---	---	---	---	---	---
Tusel	0-19	10-25	---	6.1 - 7.3	0	0	0.0	0
	19-45	15-35	---	6.1 - 7.3	0	0	0.0	0
	45-49	---	---	---	---	---	---	---
923:								
Bullump	0-23	15-30	---	6.1 - 7.8	0	0	0.0	0
	23-54	10-25	---	6.1 - 7.8	0	0	0.0	0
	54-58	---	---	---	---	---	---	---
Cleavage	0-6	15-20	---	6.6 - 7.8	0	0	0.0	0
	6-15	15-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Tusel	0-19	10-25	---	6.1 - 7.3	0	0	0.0	0
	19-45	15-35	---	6.1 - 7.3	0	0	0.0	0
	45-49	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
923:								
925:								
Bullump	0-23	15-30	---	6.1 - 7.8	0	0	0.0	0
	23-54	10-25	---	6.1 - 7.8	0	0	0.0	0
	54-58	---	---	---	---	---	---	---
Quarz	0-4	15-25	---	6.6 - 7.8	0	0	0.0	0
	4-26	30-55	---	6.6 - 7.8	0	0	0.0	0
	26-30	---	---	---	---	---	---	---
Gando	0-9	10-15	---	7.4 - 8.4	0	0	0.0	0
	9-17	5.0-10	---	7.9 - 8.4	1-10	0	0.0	0
	17-21	---	---	---	---	---	---	---
926:								
Bullump	0-23	15-30	---	6.1 - 7.8	0	0	0.0	0
	23-54	10-25	---	6.1 - 7.8	0	0	0.0	0
	54-58	---	---	---	---	---	---	---
Pernty	0-2	15-20	---	6.6 - 7.3	0	0	0.0	0
	2-18	15-20	---	6.6 - 7.3	0	0	0.0	0
	18-22	---	---	---	---	---	---	---
Cleavage	0-6	10-25	---	6.6 - 7.8	0	0	0.0	0
	6-15	15-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Crooked Creek	---	---	---	---	---	---	---	---
970:								
Izod	0-3	10-20	---	7.4 - 8.4	40-50	0	0.0	0
	3-13	10-15	---	7.4 - 8.4	40-50	0	0.0	0
	13-17	---	---	---	---	---	---	---
Wedekind	0-2	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	2-12	15-25	---	6.6 - 7.3	0	0	0.0	0
	12-42	---	---	---	---	---	---	---
Izod	0-3	10-20	---	7.4 - 8.4	40-50	0	0.0	0
	3-13	10-15	---	7.4 - 8.4	40-50	0	0.0	0
	13-17	---	---	---	---	---	---	---
971:								
Izod	0-3	10-20	---	7.4 - 8.4	40-50	0	0.0	0
	3-13	10-15	---	7.4 - 8.4	40-50	0	0.0	0
	13-17	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
971:								
Porrone	0-18	5.0-15	---	7.4 - 8.4	10-20	0	0.0-2.0	0
	18-65	5.0-10	---	7.9 - 9.6	20-40	0	0.0-4.0	0
972:								
Izod	0-3	10-20	---	7.4 - 8.4	40-50	0	0.0	0
	3-13	10-15	---	7.4 - 8.4	40-50	0	0.0	0
	13-17	---	---	---	---	---	---	---
Porrone	0-18	5.0-15	---	7.4 - 8.4	10-20	0	0.0-2.0	0
	18-65	5.0-10	---	7.9 - 9.6	20-40	0	0.0-4.0	0
Chiara	0-4	15-28	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	4-10	15-28	---	6.6 - 9.0	0-5	0	0.0-4.0	0-12
	10-14	---	---	---	---	---	---	---
973:								
Izod	0-3	10-20	---	7.4 - 8.4	40-50	0	0.0	0
	3-13	10-15	---	7.4 - 8.4	40-50	0	0.0	0
	13-17	---	---	---	---	---	---	---
Izod	0-3	10-20	---	7.4 - 8.4	40-50	0	0.0	0
	3-13	10-15	---	7.4 - 8.4	40-50	0	0.0	0
	13-17	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
990:								
Eboda	0-9	15-25	---	6.6 - 7.8	0	0	0.0	0
	9-33	15-20	---	6.6 - 7.8	0	0	0.0	0
	33-39	5.0-20	---	6.6 - 7.8	0	0	0.0	0
	39-43	---	---	---	---	---	---	---
Hart Camp	0-7	10-25	---	6.1 - 7.3	0	0	0.0	0
	7-11	20-40	---	6.1 - 7.3	0	0	0.0	0
	11-15	---	---	---	---	---	---	---
Cotant	0-3	10-25	---	6.6 - 7.8	0	0	0.0	0
	3-19	25-50	---	6.6 - 7.8	0	0	0.0	0
	19-31	---	---	---	---	---	---	---
992:								
Eboda	0-9	15-25	---	6.6 - 7.8	0	0	0.0	0
	9-33	15-20	---	6.6 - 7.8	0	0	0.0	0
	33-39	5.0-20	---	6.6 - 7.8	0	0	0.0	0
	39-43	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
992:								
Loncan	0-14	15-20	---	6.6 - 7.3	0	0	0.0	0
	14-31	10-15	---	6.6 - 7.3	0	0	0.0	0
	31-35	---	---	---	---	---	---	---
Leevan	0-5	15-30	---	6.6 - 7.3	0	0	0.0	0
	5-9	25-35	---	6.6 - 7.3	0	0	0.0	0
	9-14	40-50	---	6.6 - 7.3	0	0	0.0	0
	14-24	40-50	---	6.6 - 7.8	0	0	0.0	0
	24-28	---	---	---	---	---	---	---
Crooked Creek	---	---	---	---	---	---	---	---
993:								
Eboda	0-9	15-25	---	6.6 - 7.8	0	0	0.0	0
	9-33	15-20	---	6.6 - 7.8	0	0	0.0	0
	33-39	5.0-20	---	6.6 - 7.8	0	0	0.0	0
	39-43	---	---	---	---	---	---	---
Quarz	0-4	15-25	---	6.6 - 7.8	0	0	0.0	0
	4-26	30-55	---	6.6 - 7.8	0	0	0.0	0
	26-30	---	---	---	---	---	---	---
Loncan	0-14	15-20	---	6.6 - 7.3	0	0	0.0	0
	14-31	10-15	---	6.6 - 7.3	0	0	0.0	0
	31-35	---	---	---	---	---	---	---
1230:								
Fulstone	0-3	10-20	---	6.1 - 7.3	0	0	0.0	0
	3-19	30-35	---	6.6 - 8.4	0	0	0.0-2.0	0-2
	19-34	---	---	---	---	---	---	---
	34-57	25-30	---	7.4 - 9.0	1-10	0	0.0-2.0	0-12
Hunnton	0-6	10-25	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	6-14	15-25	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	14-28	35-55	---	7.4 - 8.4	0-5	0	0.0-4.0	0-5
	28-42	---	---	---	---	---	---	---
	42-60	1.0-10	---	7.9 - 9.0	15-40	0	0.0-4.0	0-12
Welch	---	---	---	---	---	---	---	
1231:								
Fulstone	0-3	10-20	---	6.1 - 7.3	0	0	0.0	0
	3-19	30-35	---	6.6 - 8.4	0	0	0.0-2.0	0-2
	19-34	---	---	---	---	---	---	---
	34-57	25-30	---	7.4 - 9.0	1-10	0	0.0-2.0	0-12

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
1231:								
Dacker	0-7	20-25	---	6.6 - 7.8	0	0	0.0	0
	7-16	25-35	---	7.4 - 8.4	0	0	0.0-4.0	0-5
	16-25	25-35	---	7.4 - 8.4	0	0	0.0-4.0	0-5
	25-31	20-25	---	7.9 - 9.0	1-10	0	4.0-8.0	5-12
	31-52	---	---	---	---	---	---	---
Wieland	0-5	15-30	---	7.4 - 8.4	0	0	0.0-2.0	0
	5-26	30-60	---	7.4 - 9.0	0-5	0	0.0-4.0	0
	26-52	25-40	---	7.9 - 9.0	5-20	0	0.0-8.0	0-5
	52-60	20-40	---	7.9 - 9.0	5-20	0	0.0-8.0	0-5
1232:								
Fulstone	0-3	10-20	---	6.1 - 7.3	0	0	0.0	0
	3-19	30-35	---	6.6 - 8.4	0	0	0.0-2.0	0-2
	19-34	---	---	---	---	---	---	---
	34-57	25-30	---	7.4 - 9.0	1-10	0	0.0-2.0	0-12
Dacker	0-7	20-25	---	6.6 - 7.8	0	0	0.0	0
	7-16	25-35	---	7.4 - 8.4	0	0	0.0-4.0	0-5
	16-25	25-35	---	7.4 - 8.4	0	0	0.0-4.0	0-5
	25-31	20-25	---	7.9 - 9.0	1-10	0	4.0-8.0	5-12
	31-52	---	---	---	---	---	---	---
Yuko	0-2	5.0-10	---	6.6 - 7.3	0	0	0.0	0
	2-6	20-25	---	6.6 - 7.3	0	0	0.0	0
	6-8	20-30	---	7.4 - 7.8	0	0	0.0	0
	8-12	---	---	---	---	---	---	---
1234:								
Fulstone	0-3	10-20	---	6.1 - 7.3	0	0	0.0	0
	3-19	30-35	---	6.6 - 8.4	0	0	0.0-2.0	0-2
	19-34	---	---	---	---	---	---	---
	34-57	25-30	---	7.4 - 9.0	1-10	0	0.0-2.0	0-12
Igdell	0-17	15-20	---	6.6 - 7.3	0	0	0.0	0
	17-38	25-35	---	6.6 - 7.8	0	0	0.0	0
	38-39	15-20	---	7.4 - 8.4	0-5	0	0.0-2.0	0-5
	39-40	---	---	---	---	---	---	---
Mcivey	0-18	15-30	---	6.6 - 7.3	0	0	0.0	0
	18-23	20-30	---	6.1 - 7.3	0	0	0.0	0
	23-62	25-30	---	6.1 - 7.3	0	0	0.0	0
Welch	---	---	---	---	---	---	---	
1270:								

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
1270:								
Wieland	0-5	15-30	---	7.4 - 8.4	0	0	0.0-2.0	0
	5-26	30-60	---	7.4 - 9.0	0-5	0	0.0-4.0	0
	26-52	25-40	---	7.9 - 9.0	5-20	0	0.0-8.0	0-5
	52-60	20-40	---	7.9 - 9.0	5-20	0	0.0-8.0	0-5
Dacker	0-7	20-25	---	6.6 - 7.8	0	0	0.0	0
	7-16	25-35	---	7.4 - 8.4	0	0	0.0-4.0	0-5
	16-25	25-35	---	7.4 - 8.4	0	0	0.0-4.0	0-5
	25-31	20-25	---	7.9 - 9.0	1-10	0	4.0-8.0	5-12
	31-52	---	---	---	---	---	---	---
Puett	0-2	4.0-9.0	---	7.9 - 9.0	1-5	0	0.0-2.0	0
	2-11	3.0-8.0	---	7.9 - 9.0	1-5	0-1	0.0-2.0	0-5
	11-15	---	---	---	---	---	---	---
1271:								
Wieland	0-5	10-20	---	7.4 - 8.4	0	0	0.0-2.0	0-5
	5-26	25-45	---	7.4 - 9.0	0-5	0	0.0-4.0	0-12
	26-52	15-30	---	7.9 - 9.0	5-20	0	0.0-8.0	0-12
	52-60	5.0-15	---	7.9 - 9.0	5-20	0	0.0-8.0	0-12
Enko	0-4	10-30	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	4-18	10-25	---	6.6 - 8.4	0	0	0.0-4.0	0-12
	18-25	10-25	---	7.4 - 9.0	0-5	0	0.0-8.0	0-12
	25-60	10-25	---	7.4 - 9.0	0-15	0	4.0-16.0	5-12
1272:								
Wieland	0-5	15-30	---	7.4 - 8.4	0	0	0.0-2.0	0
	5-26	30-60	---	7.4 - 9.0	0-5	0	0.0-4.0	0
	26-52	25-40	---	7.9 - 9.0	5-20	0	0.0-8.0	0-5
	52-60	20-40	---	7.9 - 9.0	5-20	0	0.0-8.0	0-5
Gance	0-4	15-25	---	6.6 - 8.4	0	0	0.0	0
	4-29	20-45	---	7.4 - 8.4	0-10	0	0.0-4.0	0
	29-68	5.0-15	---	7.9 - 9.0	10-25	0	0.0-8.0	0
Dacker	0-7	20-25	---	6.6 - 7.8	0	0	0.0	0
	7-16	25-35	---	7.4 - 8.4	0	0	0.0-4.0	0-5
	16-25	25-35	---	7.4 - 8.4	0	0	0.0-4.0	0-5
	25-31	20-25	---	7.9 - 9.0	1-10	0	4.0-8.0	5-12
	31-52	---	---	---	---	---	---	---
1273:								
Wieland	0-5	15-30	---	7.4 - 8.4	0	0	0.0-2.0	0
	5-26	30-60	---	7.4 - 9.0	0-5	0	0.0-4.0	0
	26-52	25-40	---	7.9 - 9.0	5-20	0	0.0-8.0	0-5
	52-60	20-40	---	7.9 - 9.0	5-20	0	0.0-8.0	0-5

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
1273:								
Bilbo	0-4	10-25	---	6.6 - 7.8	0	0	0.0	0
	4-22	20-40	---	6.6 - 7.8	0	0	0.0-2.0	0-12
	22-60	5.0-10	---	7.4 - 8.4	10-20	0	0.0-2.0	0-12
Tustell	0-5	10-20	---	7.4 - 8.4	0	0	0.0-2.0	0
	5-19	20-30	---	7.4 - 8.4	0	0	0.0-4.0	0
	19-30	5.0-10	---	7.9 - 9.0	5-10	0	0.0-4.0	0-5
	30-60	0.0-5.0	---	7.9 - 9.0	5-10	0	0.0-4.0	0-12
1274:								
Wieland	0-5	10-20	---	7.4 - 8.4	0	0	0.0-2.0	0-5
	5-26	25-45	---	7.4 - 9.0	0-5	0	0.0-4.0	0-12
	26-52	15-30	---	7.9 - 9.0	5-20	0	0.0-8.0	0-12
	52-60	5.0-15	---	7.9 - 9.0	5-20	0	0.0-8.0	0-12
Tuffo	0-3	10-30	---	6.6 - 7.8	0	0	0.0	0
	3-11	5.0-20	---	6.6 - 7.8	0	0	0.0	0
	11-15	---	---	---	---	---	---	---
Chiara	0-4	15-28	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	4-10	15-28	---	6.6 - 9.0	0-5	0	0.0-4.0	0-12
	10-14	---	---	---	---	---	---	---
1276:								
Wieland	0-5	10-20	---	7.4 - 8.4	0	0	0.0-2.0	0-5
	5-26	25-45	---	7.4 - 9.0	0-5	0	0.0-4.0	0-12
	26-52	15-30	---	7.9 - 9.0	5-20	0	0.0-8.0	0-12
	52-60	5.0-15	---	7.9 - 9.0	5-20	0	0.0-8.0	0-12
Chiara	0-4	15-28	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	4-10	15-28	---	6.6 - 9.0	0-5	0	0.0-4.0	0-12
	10-14	---	---	---	---	---	---	---
Puett	0-2	10-20	---	7.9 - 9.0	1-5	0	0.0-2.0	0-5
	2-11	5.0-10	---	7.9 - 9.0	1-5	0	0.0-2.0	0-12
	11-15	---	---	---	---	---	---	---
1277:								
Wieland	0-5	10-20	---	7.4 - 8.4	0	0	0.0-2.0	0-5
	5-26	25-45	---	7.4 - 9.0	0-5	0	0.0-4.0	0-12
	26-52	15-30	---	7.9 - 9.0	5-20	0	0.0-8.0	0-12
	52-60	5.0-15	---	7.9 - 9.0	5-20	0	0.0-8.0	0-12
Hunnton	0-6	10-25	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	6-14	15-25	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	14-28	35-55	---	7.4 - 8.4	0-5	0	0.0-4.0	0-5
	28-42	---	---	---	---	---	---	---
	42-60	1.0-10	---	7.9 - 9.0	15-40	0	0.0-4.0	0-12

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
1277:								
Tustell	0-5	10-20	---	7.4 - 8.4	0	0	0.0-2.0	0
	5-19	20-30	---	7.4 - 8.4	0	0	0.0-4.0	0
	19-30	5.0-10	---	7.9 - 9.0	5-10	0	0.0-4.0	0-5
	30-60	0.0-5.0	---	7.9 - 9.0	5-10	0	0.0-4.0	0-12
Alburz	---	---	---	---	---	---	---	---
1278:								
Wieland	0-5	15-30	---	7.4 - 8.4	0	0	0.0-2.0	0
	5-26	30-60	---	7.4 - 9.0	0-5	0	0.0-4.0	0
	26-52	25-40	---	7.9 - 9.0	5-20	0	0.0-8.0	0-5
	52-60	20-40	---	7.9 - 9.0	5-20	0	0.0-8.0	0-5
Kelk	0-14	15-25	---	6.6 - 8.4	0-1	0	0.0-4.0	0-5
	14-51	20-30	---	7.4 - 8.4	1-5	0	0.0-8.0	0-12
	51-60	20-30	---	8.5 - 9.0	1-5	0	4.0-16.0	13-30
Wieland	0-5	15-30	---	7.4 - 8.4	0	0	0.0-2.0	0
	5-26	30-60	---	7.4 - 9.0	0-5	0	0.0-4.0	0
	26-52	25-40	---	7.9 - 9.0	5-20	0	0.0-8.0	0-5
	52-60	20-40	---	7.9 - 9.0	5-20	0	0.0-8.0	0-5
1279:								
Wieland	0-5	15-30	---	7.4 - 8.4	0	0	0.0-2.0	0
	5-26	30-60	---	7.4 - 9.0	0-5	0	0.0-4.0	0
	26-52	25-40	---	7.9 - 9.0	5-20	0	0.0-8.0	0-5
	52-60	20-40	---	7.9 - 9.0	5-20	0	0.0-8.0	0-5
Kelk	0-14	15-25	---	6.6 - 8.4	0-1	0	0.0-4.0	0-5
	14-51	20-30	---	7.4 - 8.4	1-5	0	0.0-8.0	0-12
	51-60	20-30	---	8.5 - 9.0	1-5	0	4.0-16.0	13-30
Puett	0-2	4.0-9.0	---	7.9 - 9.0	1-5	0	0.0-2.0	0
	2-11	3.0-8.0	---	7.9 - 9.0	1-5	0-1	0.0-2.0	0-5
	11-15	---	---	---	---	---	---	---
1280:								
Wieland	0-5	10-20	---	7.4 - 8.4	0	0	0.0-2.0	0-5
	5-26	25-45	---	7.4 - 9.0	0-5	0	0.0-4.0	0-12
	26-52	15-30	---	7.9 - 9.0	5-20	0	0.0-8.0	0-12
	52-60	5.0-15	---	7.9 - 9.0	5-20	0	0.0-8.0	0-12
Zevadez	0-5	15-30	---	6.6 - 8.4	0	0	0.0	0
	5-16	25-40	---	7.4 - 8.4	0	0	0.0-2.0	0-12
	16-33	10-20	---	7.4 - 8.4	0-4	0	0.0-2.0	0-12
	33-62	5.0-15	---	7.4 - 8.4	0-4	0	0.0-2.0	0-12

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
1280:								
Gance	0-4	15-25	---	6.6 - 8.4	0	0	0.0	0
	4-29	20-45	---	7.4 - 8.4	0-10	0	0.0-4.0	0
	29-68	5.0-15	---	7.9 - 9.0	10-25	0	0.0-8.0	0
1281:								
Wieland	0-5	10-20	---	7.4 - 8.4	0	0	0.0-2.0	0-5
	5-26	25-45	---	7.4 - 9.0	0-5	0	0.0-4.0	0-12
	26-52	15-30	---	7.9 - 9.0	5-20	0	0.0-8.0	0-12
	52-60	5.0-15	---	7.9 - 9.0	5-20	0	0.0-8.0	0-12
Tustell	0-5	10-20	---	7.4 - 8.4	0	0	0.0-2.0	0
	5-19	20-30	---	7.4 - 8.4	0	0	0.0-4.0	0
	19-30	5.0-10	---	7.9 - 9.0	5-10	0	0.0-4.0	0-5
	30-60	0.0-5.0	---	7.9 - 9.0	5-10	0	0.0-4.0	0-12
Tustell	0-5	10-20	---	7.4 - 8.4	0	0	0.0-2.0	0
	5-19	20-30	---	7.4 - 8.4	0	0	0.0-4.0	0
	19-30	5.0-10	---	7.9 - 9.0	5-10	0	0.0-4.0	0-5
	30-60	0.0-5.0	---	7.9 - 9.0	5-10	0	0.0-4.0	0-12
1631:								
Hackwood	0-20	12-35	---	6.1 - 7.3	0	0	0.0	0
	20-30	12-30	---	6.1 - 7.3	0	0	0.0	0
	30-60	20-35	---	6.1 - 7.3	0	0	0.0	0
Hapgood	0-8	15-25	---	6.1 - 7.3	0	0	0.0	0
	8-31	15-20	---	6.1 - 7.3	0	0	0.0	0
	31-42	5.0-10	---	6.1 - 7.3	0	0	0.0	0
	42-46	---	---	---	---	---	---	---
Cleavage	0-6	15-20	---	6.6 - 7.8	0	0	0.0	0
	6-15	15-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
1662:								
Susie Creek	0-7	10-20	---	6.6 - 7.8	0	0	0.0	0
	7-30	20-30	---	7.4 - 8.4	0	0	0.0-2.0	0
	30-43	5.0-10	---	7.9 - 9.0	1-5	0	0.0-2.0	1-5
	43-47	---	---	---	---	---	---	---
Kleckner	0-9	15-25	---	6.6 - 7.8	0	0	0.0	0
	9-25	20-35	---	7.4 - 7.8	0	0	0.0	0
	25-41	20-30	---	7.4 - 7.8	0	0	0.0	0
	41-63	5.0-10	---	7.4 - 7.8	0	0	0.0	0
Quarz	0-4	15-25	---	6.6 - 7.8	0	0	0.0	0
	4-26	30-55	---	6.6 - 7.8	0	0	0.0	0
	26-30	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
1662:								
1663:								
Susie Creek	0-7	10-20	---	6.6 - 7.8	0	0	0.0	0
	7-30	20-30	---	7.4 - 8.4	0	0	0.0-2.0	0
	30-43	5.0-10	---	7.9 - 9.0	1-5	0	0.0-2.0	0-5
	43-47	---	---	---	---	---	---	---
Akler	0-6	15-20	---	6.6 - 7.8	0	0	0.0	0
	6-17	30-35	---	6.6 - 7.8	0	0	0.0	0
	17-21	---	---	---	---	---	---	---
Eboda	0-9	15-25	---	6.6 - 7.8	0	0	0.0	0
	9-33	15-20	---	6.6 - 7.8	0	0	0.0	0
	33-39	5.0-20	---	6.6 - 7.8	0	0	0.0	0
	39-43	---	---	---	---	---	---	---
Welch, Frequently Flooded	---	---	---	---	---	---	---	---
1721:								
Quarz	0-4	15-25	---	6.6 - 7.8	0	0	0.0	0
	4-26	30-55	---	6.6 - 7.8	0	0	0.0	0
	26-30	---	---	---	---	---	---	---
Quarz	0-4	15-25	---	6.6 - 7.8	0	0	0.0	0
	4-26	30-55	---	6.6 - 7.8	0	0	0.0	0
	26-30	---	---	---	---	---	---	---
Arcia	0-14	10-20	---	6.6 - 7.3	0	0	0.0	0
	14-21	20-30	---	6.6 - 7.3	0	0	0.0	0
	21-34	25-40	---	6.6 - 7.3	0	0	0.0	0
	34-39	25-35	---	6.6 - 7.3	0	0	0.0	0
	39-43	---	---	---	---	---	---	---
1722:								
Perty	0-2	15-20	---	6.6 - 7.3	0	0	0.0	0
	2-18	15-20	---	6.6 - 7.3	0	0	0.0	0
	18-22	---	---	---	---	---	---	---
Quarz	0-4	15-25	---	6.6 - 7.8	0	0	0.0	0
	4-26	30-55	---	6.6 - 7.8	0	0	0.0	0
	26-30	---	---	---	---	---	---	---
Perty	0-2	15-20	---	6.6 - 7.3	0	0	0.0	0
	2-18	15-20	---	6.6 - 7.3	0	0	0.0	0
	18-22	---	---	---	---	---	---	---
1724:								

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
1724:								
Quarz	0-4	15-25	---	6.6 - 7.8	0	0	0.0	0
	4-26	30-55	---	6.6 - 7.8	0	0	0.0	0
	26-30	---	---	---	---	---	---	---
Cleavage	0-6	15-25	---	6.6 - 7.8	0	0	0.0	0
	6-15	15-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Mcivey	0-12	15-25	---	6.6 - 7.3	0	0	0.0	0
	12-24	20-30	---	6.1 - 7.3	0	0	0.0	0
	24-42	25-35	---	6.1 - 7.3	0	0	0.0	0
	42-60	20-30	---	6.1 - 7.3	0	0	0.0	0
1725:								
Quarz	0-4	20-30	---	6.6 - 7.8	0	0	0.0	0
	4-26	30-50	---	6.6 - 7.8	0	0	0.0	0
	26-30	---	---	---	---	---	---	---
Cleavage	0-6	15-20	---	6.6 - 7.8	0	0	0.0	0
	6-15	15-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Loncan	0-14	15-20	---	6.6 - 7.3	0	0	0.0	0
	14-31	10-15	---	6.6 - 7.3	0	0	0.0	0
	31-35	---	---	---	---	---	---	---
Crooked Creek	---	---	---	---	---	---	---	
1727:								
Quarz	0-4	15-25	---	6.6 - 7.8	0	0	0.0	0
	4-26	30-55	---	6.6 - 7.8	0	0	0.0	0
	26-30	---	---	---	---	---	---	---
Susie Creek	0-7	10-20	---	6.6 - 7.8	0	0	0.0	0
	7-30	20-30	---	7.4 - 8.4	0	0	0.0-2.0	0
	30-43	5.0-10	---	7.9 - 9.0	1-5	0	0.0-2.0	0-5
	43-47	---	---	---	---	---	---	---
Loncan	0-14	15-20	---	6.6 - 7.3	0	0	0.0	0
	14-31	10-15	---	6.6 - 7.3	0	0	0.0	0
	31-35	---	---	---	---	---	---	---
1728:								
Quarz	0-4	15-25	---	6.6 - 7.3	0	0	0.0	0
	4-12	20-30	---	6.6 - 7.3	0	0	0.0	0
	12-26	20-35	---	6.6 - 7.3	0	0	0.0	0
	26-30	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
1728:								
Cleavage	0-6	10-25	---	6.6 - 7.8	0	0	0.0	0
	6-15	15-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Tusel	0-19	10-25	---	6.1 - 7.3	0	0	0.0	0
	19-45	15-35	---	6.1 - 7.3	0	0	0.0	0
	45-49	---	---	---	---	---	---	---
1729:								
Quarz	0-4	15-25	---	6.6 - 7.3	0	0	0.0	0
	4-12	20-30	---	6.6 - 7.3	0	0	0.0	0
	12-26	20-35	---	6.6 - 7.3	0	0	0.0	0
	26-30	---	---	---	---	---	---	---
Cleavage	0-6	10-25	---	6.6 - 7.8	0	0	0.0	0
	6-15	15-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Tusel	0-19	10-25	---	6.1 - 7.3	0	0	0.0	0
	19-45	15-35	---	6.1 - 7.3	0	0	0.0	0
	45-49	---	---	---	---	---	---	---
1805:								
Bregar	0-2	10-25	---	6.1 - 7.8	0	0	0.0	0
	2-8	15-30	---	6.1 - 7.8	0	0	0.0	0
	8-12	---	---	---	---	---	---	---
Sumine	0-6	20-30	---	6.6 - 7.8	0	0	0.0	0
	6-27	20-30	---	6.6 - 7.8	0	0	0.0	0
	27-31	---	---	---	---	---	---	---
Hapgood	0-8	15-25	---	6.1 - 7.3	0	0	0.0	0
	8-31	15-20	---	6.1 - 7.3	0	0	0.0	0
	31-42	5.0-10	---	6.1 - 7.3	0	0	0.0	0
	42-46	---	---	---	---	---	---	---
Welch	---	---	---	---	---	---	---	
1806:								
Bregar	0-2	10-25	---	6.1 - 7.8	0	0	0.0	0
	2-8	15-30	---	6.1 - 7.8	0	0	0.0	0
	8-12	---	---	---	---	---	---	---
Gralely	0-7	10-20	---	6.6 - 7.8	0	0	0.0	0
	7-17	25-35	---	6.6 - 7.8	0	0	0.0	0
	17-21	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
1806:								
Chen	0-5	15-25	---	6.1 - 7.8	0	0	0.0	0
	5-15	25-40	---	6.1 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Crooked Creek	---	---	---	---	---	---	---	---
1807:								
Bregar	0-2	10-25	---	6.1 - 7.8	0	0	0.0	0
	2-8	15-30	---	6.1 - 7.8	0	0	0.0	0
	8-12	---	---	---	---	---	---	---
Bregar	0-2	5.0-15	---	6.1 - 7.8	0	0	0.0	0
	2-8	15-30	---	6.1 - 7.8	0	0	0.0	0
	8-12	---	---	---	---	---	---	---
Mcivey	0-12	15-25	---	6.6 - 7.3	0	0	0.0	0
	12-24	20-30	---	6.1 - 7.3	0	0	0.0	0
	24-42	25-35	---	6.1 - 7.3	0	0	0.0	0
	42-60	20-30	---	6.1 - 7.3	0	0	0.0	0
Welch	---	---	---	---	---	---	---	---
1808:								
Bregar	0-2	10-25	---	6.1 - 7.8	0	0	0.0	0
	2-8	15-30	---	6.1 - 7.8	0	0	0.0	0
	8-12	---	---	---	---	---	---	---
Mcivey	0-18	15-30	---	6.6 - 7.3	0	0	0.0	0
	18-23	20-30	---	6.1 - 7.3	0	0	0.0	0
	23-62	25-30	---	6.1 - 7.3	0	0	0.0	0
Cotant	0-3	10-25	---	6.6 - 7.8	0	0	0.0	0
	3-19	25-50	---	6.6 - 7.8	0	0	0.0	0
	19-31	---	---	---	---	---	---	---
Welch, Frequently Flooded	---	---	---	---	---	---	---	---
1821:								
Cotant	0-3	20-25	---	6.6 - 7.8	0	0	0.0	0
	3-19	35-50	---	6.6 - 7.8	0	0	0.0	0
	19-23	---	---	---	---	---	---	---
Mcivey	0-12	15-25	---	6.6 - 7.3	0	0	0.0	0
	12-24	20-30	---	6.1 - 7.3	0	0	0.0	0
	24-42	25-35	---	6.1 - 7.3	0	0	0.0	0
	42-60	20-30	---	6.1 - 7.3	0	0	0.0	0

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
1821:								
Quarz	0-4	15-25	---	6.6 - 7.8	0	0	0.0	0
	4-26	30-55	---	6.6 - 7.8	0	0	0.0	0
	26-30	---	---	---	---	---	---	---
Welch, Frequently Flooded	---	---	---	---	---	---	---	---
1822:								
Cotant	0-3	25-35	---	6.6 - 7.8	0	0	0.0	0
	3-19	35-50	---	6.6 - 7.8	0	0	0.0	0
	19-23	---	---	---	---	---	---	---
Bregar	0-2	15-25	---	6.1 - 7.8	0	0	0.0	0
	2-8	20-30	---	6.1 - 7.8	0	0	0.0	0
	8-12	---	---	---	---	---	---	---
Donna	0-10	15-25	---	6.1 - 7.3	0	0	0.0	0
	10-23	45-55	---	6.6 - 7.3	0	0	0.0	0
	23-33	---	---	---	---	---	---	---
	33-60	10-15	---	7.4 - 8.4	0-5	0	0.0-4.0	0
1823:								
Cotant	0-3	10-25	---	6.6 - 7.8	0	0	0.0	0
	3-19	25-50	---	6.6 - 7.8	0	0	0.0	0
	19-31	---	---	---	---	---	---	---
Kleckner	0-9	15-25	---	6.6 - 7.8	0	0	0.0	0
	9-25	20-35	---	7.4 - 7.8	0	0	0.0	0
	25-41	20-30	---	7.4 - 7.8	0	0	0.0	0
	41-63	5.0-10	---	7.4 - 7.8	0	0	0.0	0
Mcivey	0-18	15-30	---	6.6 - 7.3	0	0	0.0	0
	18-23	20-30	---	6.1 - 7.3	0	0	0.0	0
	23-62	25-30	---	6.1 - 7.3	0	0	0.0	0
Welch, Occasionally Flooded	---	---	---	---	---	---	---	
1824:								
Cotant	0-3	10-25	---	6.6 - 7.8	0	0	0.0	0
	3-19	25-50	---	6.6 - 7.8	0	0	0.0	0
	19-31	---	---	---	---	---	---	---
Cotant	0-3	10-25	---	6.6 - 7.8	0	0	0.0	0
	3-19	25-50	---	6.6 - 7.8	0	0	0.0	0
	19-31	---	---	---	---	---	---	---
Mcivey	0-18	15-30	---	6.6 - 7.3	0	0	0.0	0
	18-23	20-30	---	6.1 - 7.3	0	0	0.0	0
	23-62	25-30	---	6.1 - 7.3	0	0	0.0	0

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
1824:								
Crooked Creek	---	---	---	---	---	---	---	---
Welch	---	---	---	---	---	---	---	---
1825:								
Cotant	0-3	25-35	---	6.6 - 7.8	0	0	0.0	0
	3-19	35-50	---	6.6 - 7.8	0	0	0.0	0
	19-23	---	---	---	---	---	---	---
Cotant	0-3	20-25	---	6.6 - 7.8	0	0	0.0	0
	3-19	35-50	---	6.6 - 7.8	0	0	0.0	0
	19-23	---	---	---	---	---	---	---
Mcivey	0-18	15-30	---	6.6 - 7.3	0	0	0.0	0
	18-23	20-30	---	6.1 - 7.3	0	0	0.0	0
	23-62	25-30	---	6.1 - 7.3	0	0	0.0	0
Crooked Creek, Frequently Flooded	---	---	---	---	---	---	---	
1826:								
Cotant	0-3	20-25	---	6.6 - 7.8	0	0	0.0	0
	3-19	35-50	---	6.6 - 7.8	0	0	0.0	0
	19-23	---	---	---	---	---	---	---
Cotant	0-3	20-25	---	6.6 - 7.8	0	0	0.0	0
	3-19	35-50	---	6.6 - 7.8	0	0	0.0	0
	19-23	---	---	---	---	---	---	---
Eboda	0-9	15-25	---	6.6 - 7.8	0	0	0.0	0
	9-33	15-20	---	6.6 - 7.8	0	0	0.0	0
	33-39	5.0-20	---	6.6 - 7.8	0	0	0.0	0
	39-43	---	---	---	---	---	---	---
1828:								
Cotant	0-3	20-25	---	6.6 - 7.8	0	0	0.0	0
	3-19	35-50	---	6.6 - 7.8	0	0	0.0	0
	19-23	---	---	---	---	---	---	---
Lerrow	0-5	15-20	---	6.6 - 7.3	0	0	0.0	0
	5-15	20-25	---	6.6 - 7.3	0	0	0.0	0
	15-32	25-30	---	6.6 - 7.8	0	0	0.0	0
	32-36	---	---	---	---	---	---	---
Akler	0-6	15-20	---	6.6 - 7.8	0	0	0.0	0
	6-17	30-35	---	6.6 - 7.8	0	0	0.0	0
	17-21	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
1828:								
Welch	---	---	---	---	---	---	---	---
1829:								
Cotant	0-3	20-30	---	6.6 - 7.8	0	0	0.0	0
	3-19	25-50	---	6.6 - 7.8	0	0	0.0	0
	19-31	---	---	---	---	---	---	---
Mcivey	0-12	15-25	---	6.6 - 7.3	0	0	0.0	0
	12-24	20-30	---	6.1 - 7.3	0	0	0.0	0
	24-42	25-35	---	6.1 - 7.3	0	0	0.0	0
	42-60	20-30	---	6.1 - 7.3	0	0	0.0	0
Rock Outcrop	---	---	---	---	---	---	---	---
1830:								
Cotant	0-3	20-30	---	6.6 - 7.8	0	0	0.0	0
	3-19	25-50	---	6.6 - 7.8	0	0	0.0	0
	19-31	---	---	---	---	---	---	---
Mcivey	0-12	15-25	---	6.6 - 7.3	0	0	0.0	0
	12-24	20-30	---	6.1 - 7.3	0	0	0.0	0
	24-42	25-35	---	6.1 - 7.3	0	0	0.0	0
	42-60	20-30	---	6.1 - 7.3	0	0	0.0	0
Shively	0-16	10-15	---	7.4 - 7.8	0	0	0.0	0
	16-31	10-15	---	7.4 - 7.8	0	0	0.0	0
	31-46	5.0-15	---	7.4 - 7.8	0	0	0.0	0
	46-56	---	---	---	---	---	---	---
1831:								
Cotant	0-3	20-30	---	6.6 - 7.8	0	0	0.0	0
	3-19	25-50	---	6.6 - 7.8	0	0	0.0	0
	19-31	---	---	---	---	---	---	---
Mcivey	0-12	15-25	---	6.6 - 7.3	0	0	0.0	0
	12-24	20-30	---	6.1 - 7.3	0	0	0.0	0
	24-42	25-35	---	6.1 - 7.3	0	0	0.0	0
	42-60	20-30	---	6.1 - 7.3	0	0	0.0	0
Welch	0-9	15-20	---	6.1 - 7.3	0	0	0.0	0
	9-61	25-35	---	6.1 - 7.8	0	0	0.0	0
1875:								
Chen	0-5	15-20	---	6.6 - 7.8	0	0	0.0	0
	5-15	25-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
1875:								
Ebic	0-10	15-25	---	6.6 - 7.3	0	0	0.0	0
	10-27	30-35	---	6.6 - 7.8	0	0	0.0	0
	27-31	---	---	---	---	---	---	---
Blackleg	0-4	15-25	---	6.1 - 7.3	0	0	0.0	0
	4-27	20-35	---	6.1 - 7.8	0	0	0.0	0
	27-40	---	---	---	---	---	---	---
1876:								
Chen	0-5	15-20	---	6.6 - 7.8	0	0	0.0	0
	5-15	25-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Ebic	0-10	15-25	---	6.6 - 7.3	0	0	0.0	0
	10-27	30-35	---	6.6 - 7.8	0	0	0.0	0
	27-31	---	---	---	---	---	---	---
1877:								
Chen	0-5	13-21	---	6.1 - 7.8	0	0	0.0	0
	5-15	33-52	---	6.1 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Bregar	0-2	5.0-15	---	6.1 - 7.8	0	0	0.0	0
	2-8	15-30	---	6.1 - 7.8	0	0	0.0	0
	8-12	---	---	---	---	---	---	---
Loncan	0-14	15-20	---	6.6 - 7.3	0	0	0.0	0
	14-31	10-15	---	6.6 - 7.3	0	0	0.0	0
	31-35	---	---	---	---	---	---	---
Welsum	---	---	---	---	---	---	---	---
1879:								
Chen	0-5	15-20	---	6.6 - 7.8	0	0	0.0	0
	5-15	25-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Cotant	0-3	10-25	---	6.6 - 7.8	0	0	0.0	0
	3-19	25-50	---	6.6 - 7.8	0	0	0.0	0
	19-31	---	---	---	---	---	---	---
Arcia	0-14	10-20	---	6.6 - 7.3	0	0	0.0	0
	14-21	20-30	---	6.6 - 7.3	0	0	0.0	0
	21-34	25-40	---	6.6 - 7.3	0	0	0.0	0
	34-39	25-35	---	6.6 - 7.3	0	0	0.0	0
	39-43	---	---	---	---	---	---	---

1880:

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
1880:								
Chen	0-5	13-21	---	6.1 - 7.8	0	0	0.0	0
	5-15	33-52	---	6.1 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Arcia	0-14	10-20	---	6.6 - 7.3	0	0	0.0	0
	14-21	20-30	---	6.6 - 7.3	0	0	0.0	0
	21-34	25-40	---	6.6 - 7.3	0	0	0.0	0
	34-39	25-35	---	6.6 - 7.3	0	0	0.0	0
	39-43	---	---	---	---	---	---	---
Cleavage	0-6	15-20	---	6.6 - 7.8	0	0	0.0	0
	6-15	15-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Cumulic Cryaquolls	---	---	---	---	---	---	---	---
1881:								
Chen	0-5	15-20	---	6.6 - 7.8	0	0	0.0	0
	5-15	25-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Chen	0-5	15-20	---	6.6 - 7.8	0	0	0.0	0
	5-15	25-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Lerrow	0-5	15-20	---	6.6 - 7.3	0	0	0.0	0
	5-15	20-25	---	6.6 - 7.3	0	0	0.0	0
	15-32	25-30	---	6.6 - 7.8	0	0	0.0	0
	32-36	---	---	---	---	---	---	---
1882:								
Chen	0-5	13-21	---	6.1 - 7.8	0	0	0.0	0
	5-15	33-52	---	6.1 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Lerrow	0-5	15-20	---	6.6 - 7.3	0	0	0.0	0
	5-15	20-25	---	6.6 - 7.3	0	0	0.0	0
	15-32	25-30	---	6.6 - 7.8	0	0	0.0	0
	32-36	---	---	---	---	---	---	---
Cleavage	0-6	15-25	---	6.6 - 7.8	0	0	0.0	0
	6-15	15-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Crooked Creek	---	---	---	---	---	---	---	---
Cumulic Cryaquolls	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
1883:								
Chen	0-5	15-20	---	6.6 - 7.8	0	0	0.0	0
	5-15	25-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Lerrow	0-5	15-20	---	6.6 - 7.3	0	0	0.0	0
	5-15	20-25	---	6.6 - 7.3	0	0	0.0	0
	15-32	25-30	---	6.6 - 7.8	0	0	0.0	0
	32-36	---	---	---	---	---	---	---
Cotant	0-3	20-25	---	6.6 - 7.8	0	0	0.0	0
	3-19	35-50	---	6.6 - 7.8	0	0	0.0	0
	19-23	---	---	---	---	---	---	---
1884:								
Chen	0-5	15-25	---	6.1 - 7.8	0	0	0.0	0
	5-15	25-40	---	6.1 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Graley	0-7	10-20	---	6.6 - 7.8	0	0	0.0	0
	7-17	25-35	---	6.6 - 7.8	0	0	0.0	0
	17-21	---	---	---	---	---	---	---
Cleavage	0-6	15-20	---	6.6 - 7.8	0	0	0.0	0
	6-15	15-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
1885:								
Chen	0-5	15-25	---	6.1 - 7.8	0	0	0.0	0
	5-15	25-40	---	6.1 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Quarz	0-4	15-25	---	6.6 - 7.8	0	0	0.0	0
	4-26	30-55	---	6.6 - 7.8	0	0	0.0	0
	26-30	---	---	---	---	---	---	---
Linkup	0-3	20-25	---	6.6 - 7.3	0	0	0.0	0
	3-8	15-30	---	6.6 - 7.3	0	0	0.0	0
	8-16	25-35	---	6.6 - 7.8	0	0	0.0	0
	16-20	---	---	---	---	---	---	---
1886:								
Chen	0-5	15-25	---	6.1 - 7.8	0	0	0.0	0
	5-15	25-40	---	6.1 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Cleavage	0-6	15-20	---	6.6 - 7.8	0	0	0.0	0
	6-15	15-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
1886:								
Quarz	0-4	15-25	---	6.6 - 7.8	0	0	0.0	0
	4-26	30-55	---	6.6 - 7.8	0	0	0.0	0
	26-30	---	---	---	---	---	---	---
1887:								
Chen	0-5	15-25	---	6.1 - 7.8	0	0	0.0	0
	5-15	25-40	---	6.1 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Gralely	0-7	10-20	---	6.6 - 7.8	0	0	0.0	0
	7-17	25-35	---	6.6 - 7.8	0	0	0.0	0
	17-21	---	---	---	---	---	---	---
Crooked Creek	---	---	---	---	---	---	---	---
1888:								
Chen	0-5	15-25	---	6.1 - 7.8	0	0	0.0	0
	5-15	25-40	---	6.1 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Gralely	0-7	10-20	---	6.6 - 7.8	0	0	0.0	0
	7-17	25-35	---	6.6 - 7.8	0	0	0.0	0
	17-21	---	---	---	---	---	---	---
Quarz	0-4	15-25	---	6.6 - 7.3	0	0	0.0	0
	4-12	20-30	---	6.6 - 7.3	0	0	0.0	0
	12-26	20-35	---	6.6 - 7.3	0	0	0.0	0
	26-30	---	---	---	---	---	---	---
Crooked Creek	---	---	---	---	---	---	---	
1889:								
Chen	0-5	15-20	---	6.6 - 7.8	0	0	0.0	0
	5-15	25-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Mcivey	0-12	15-25	---	6.6 - 7.3	0	0	0.0	0
	12-24	20-30	---	6.1 - 7.3	0	0	0.0	0
	24-42	25-35	---	6.1 - 7.3	0	0	0.0	0
	42-60	20-30	---	6.1 - 7.3	0	0	0.0	0
Arcia	0-14	10-20	---	6.6 - 7.3	0	0	0.0	0
	14-21	20-30	---	6.6 - 7.3	0	0	0.0	0
	21-34	25-40	---	6.6 - 7.3	0	0	0.0	0
	34-39	25-35	---	6.6 - 7.3	0	0	0.0	0
	39-43	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
1935:								
Tweener	0-4	10-15	---	6.6 - 7.3	0	0	0.0	0
	4-10	20-30	---	6.6 - 7.3	0	0	0.0	0
	10-14	---	---	---	---	---	---	---
Tweener	0-4	10-15	---	6.6 - 7.3	0	0	0.0	0
	4-10	20-30	---	6.6 - 7.3	0	0	0.0	0
	10-14	---	---	---	---	---	---	---
Graley	0-7	10-20	---	6.6 - 7.8	0	0	0.0	0
	7-17	25-35	---	6.6 - 7.8	0	0	0.0	0
	17-21	---	---	---	---	---	---	---
1936:								
Tweener	0-4	10-15	---	6.6 - 7.3	0	0	0.0	0
	4-10	20-30	---	6.6 - 7.3	0	0	0.0	0
	10-14	---	---	---	---	---	---	---
Tweener	0-4	10-15	---	6.6 - 7.3	0	0	0.0	0
	4-10	20-30	---	6.6 - 7.3	0	0	0.0	0
	10-14	---	---	---	---	---	---	---
Mcivey	0-18	15-30	---	6.6 - 7.3	0	0	0.0	0
	18-23	20-30	---	6.1 - 7.3	0	0	0.0	0
	23-62	25-30	---	6.1 - 7.3	0	0	0.0	0
Crooked Creek	---	---	---	---	---	---	---	
2010:								
Rock Outcrop	---	---	---	---	---	---	---	---
Pernty	0-2	15-20	---	6.6 - 7.3	0	0	0.0	0
	2-18	15-20	---	6.6 - 7.3	0	0	0.0	0
	18-22	---	---	---	---	---	---	---
Pernog	0-10	15-25	---	6.6 - 7.3	0	0	0.0	0
	10-17	15-25	---	6.6 - 7.3	0	0	0.0	0
	17-21	---	---	---	---	---	---	---
Welch	---	---	---	---	---	---	---	
2020:								
Bobs Variant	0-9	10-20	---	7.4 - 7.8	0-5	0	0.0	0
	9-19	10-20	---	7.4 - 8.4	5-20	0	0.0	0-5
	19-34	---	---	---	---	---	---	---
	34-40	5.0-10	---	7.9 - 8.4	5-10	5-10	0.0-2.0	0-5
	40-54	5.0-10	---	7.9 - 9.0	5-10	5-10	0.0-2.0	0-5

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
2020:								
Dewar	0-5	10-25	---	6.6 - 8.4	0-1	0	0.0-2.0	0-5
	5-11	15-30	---	6.6 - 8.4	0-5	0	0.0-4.0	0-12
	11-17	10-25	---	7.9 - 8.4	5-15	0	0.0-8.0	0-12
	17-44	---	---	---	---	---	---	---
2031:								
Shalclev	0-3	15-20	---	6.6 - 7.3	0	0	0.0	0
	3-5	15-25	---	6.6 - 7.3	0	0	0.0	0
	5-10	20-30	---	6.6 - 7.3	0	0	0.0	0
	10-14	---	---	---	---	---	---	---
Tweener	0-4	10-15	---	6.6 - 7.3	0	0	0.0	0
	4-10	20-30	---	6.6 - 7.3	0	0	0.0	0
	10-14	---	---	---	---	---	---	---
Cumulic Cryaquolls	---	---	---	---	---	---	---	---
2040:								
Cameek	0-7	15-25	---	7.4 - 7.8	0	0	0.0-2.0	0
	7-18	25-35	---	7.4 - 7.8	0	1-5	0.0-2.0	0
	18-40	---	---	---	---	---	---	---
Bilbo	0-4	10-25	---	6.6 - 7.8	0	0	0.0	0
	4-22	20-40	---	6.6 - 7.8	0	0	0.0	0
	22-60	5.0-10	---	7.4 - 8.4	10-20	0	0.0-2.0	0-12
Cameek	0-7	15-25	---	7.4 - 7.8	0	0	0.0-2.0	0
	7-18	25-35	---	7.4 - 7.8	0	1-5	0.0-2.0	0
	18-40	---	---	---	---	---	---	---
2070:								
Heechee	0-11	15-25	---	6.6 - 7.3	0	0	0.0	0
	11-33	15-25	---	6.6 - 7.3	0	0	0.0	0
	33-50	5.0-10	---	6.6 - 7.3	0	0	0.0	0
	50-54	---	---	---	---	---	---	---
Manard	0-5	15-30	---	6.1 - 7.3	0	0	0.0	0
	5-22	25-30	---	6.6 - 7.8	0	0	0.0	0
	22-24	---	---	---	---	---	---	---
	24-28	---	---	---	---	---	---	---
Vitale	0-6	8.0-20	---	6.1 - 7.3	0	0	0.0	0
	6-23	10-25	---	6.6 - 7.8	0	0	0.0	0
	23-27	---	---	---	---	---	---	---
2071:								

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
2071:								
Heechee	0-11	15-25	---	6.6 - 7.3	0	0	0.0	0
	11-33	20-30	---	6.1 - 7.3	0	0	0.0	0
	33-63	10-15	---	6.1 - 7.3	0	0	0.0	0
Heechee	0-11	15-25	---	6.6 - 7.3	0	0	0.0	0
	11-33	20-30	---	6.6 - 7.3	0	0	0.0	0
	33-63	10-15	---	6.6 - 7.3	0	0	0.0	0
2080:								
Igdell	0-8	15-20	---	6.6 - 7.3	0	0	0.0	0
	8-23	25-35	---	6.6 - 7.8	0	0	0.0	0
	23-27	15-20	---	7.4 - 8.4	0-5	0	0.0-2.0	0-5
	27-40	---	---	---	---	---	---	---
Manard	0-5	15-30	---	6.1 - 7.3	0	0	0.0	0
	5-22	25-30	---	6.6 - 7.8	0	0	0.0	0
	22-24	---	---	---	---	---	---	---
	24-28	---	---	---	---	---	---	---
Ebic	0-10	15-25	---	6.6 - 7.3	0	0	0.0	0
	10-27	30-35	---	6.6 - 7.8	0	0	0.0	0
	27-31	---	---	---	---	---	---	---
2081:								
Igdell	0-8	15-20	---	6.6 - 7.3	0	0	0.0	0
	8-23	25-35	---	6.6 - 7.8	0	0	0.0	0
	23-27	15-20	---	7.4 - 8.4	0-5	0	0.0-2.0	0-5
	27-40	---	---	---	---	---	---	---
Eboda	0-9	15-25	---	6.6 - 7.8	0	0	0.0	0
	9-33	15-20	---	6.6 - 7.8	0	0	0.0	0
	33-39	5.0-20	---	6.6 - 7.8	0	0	0.0	0
	39-43	---	---	---	---	---	---	---
Gance	0-4	15-25	---	6.6 - 8.4	0	0	0.0	0
	4-29	20-45	---	7.4 - 8.4	0-10	0	0.0-4.0	0
	29-68	5.0-15	---	7.9 - 9.0	10-25	0	0.0-8.0	0
2082:								
Igdell	0-8	15-20	---	6.6 - 7.3	0	0	0.0	0
	8-23	25-35	---	6.6 - 7.8	0	0	0.0	0
	23-27	15-20	---	7.4 - 8.4	0-5	0	0.0-2.0	0-5
	27-40	---	---	---	---	---	---	---
Shivlum	0-9	15-20	---	6.6 - 7.8	0	0	0.0	0
	9-34	15-25	---	6.6 - 7.8	0	0	0.0	0
	34-60	15-20	---	6.6 - 7.8	0	0	0.0	0

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
2082:								
Crooked Creek, Frequently Flooded	---	---	---	---	---	---	---	---
2083:								
Igdell	0-8	20-25	---	6.6 - 7.8	0	0	0.0	0
	8-23	25-35	---	6.6 - 7.8	0	0	0.0	0
	23-27	15-20	---	7.4 - 8.4	0-5	0	0.0-2.0	0-5
	27-40	---	---	---	---	---	---	---
Kleckner	0-9	15-25	---	6.6 - 7.8	0	0	0.0	0
	9-25	20-35	---	7.4 - 7.8	0	0	0.0	0
	25-41	20-30	---	7.4 - 7.8	0	0	0.0	0
	41-63	5.0-10	---	7.4 - 7.8	0	0	0.0	0
Crooked Creek	---	---	---	---	---	---	---	---
2090:								
Manard	0-5	15-30	---	6.1 - 7.3	0	0	0.0	0
	5-22	25-30	---	6.6 - 7.8	0	0	0.0	0
	22-24	---	---	---	---	---	---	---
	24-28	---	---	---	---	---	---	---
Igdell	0-8	15-20	---	6.6 - 7.3	0	0	0.0	0
	8-23	25-35	---	6.6 - 7.8	0	0	0.0	0
	23-27	15-20	---	7.4 - 8.4	0-5	0	0.0-2.0	0-5
	27-40	---	---	---	---	---	---	---
Eboda	0-9	15-25	---	6.6 - 7.8	0	0	0.0	0
	9-33	15-20	---	6.6 - 7.8	0	0	0.0	0
	33-39	5.0-20	---	6.6 - 7.8	0	0	0.0	0
	39-43	---	---	---	---	---	---	---
3000:								
Vitale	0-6	8.0-20	---	6.1 - 7.3	0	0	0.0	0
	6-23	10-25	---	6.6 - 7.8	0	0	0.0	0
	23-27	---	---	---	---	---	---	---
Ebic	0-10	15-25	---	6.6 - 7.3	0	0	0.0	0
	10-27	30-35	---	6.6 - 7.8	0	0	0.0	0
	27-31	---	---	---	---	---	---	---
Chen	0-5	15-20	---	6.6 - 7.8	0	0	0.0	0
	5-15	25-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
3010:								

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
3010:								
Ebic	0-10	15-25	---	6.6 - 7.3	0	0	0.0	0
	10-27	30-35	---	6.6 - 7.8	0	0	0.0	0
	27-31	---	---	---	---	---	---	---
Manard	0-5	15-30	---	6.1 - 7.3	0	0	0.0	0
	5-22	25-30	---	6.6 - 7.8	0	0	0.0	0
	22-24	---	---	---	---	---	---	---
	24-28	---	---	---	---	---	---	---
Chen	0-5	15-20	---	6.6 - 7.8	0	0	0.0	0
	5-15	25-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
3020:								
Cleavmor	0-9	10-15	---	7.4 - 7.8	0	0	0.0	0
	9-15	20-25	---	7.4 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Blackleg	0-4	15-25	---	6.1 - 7.3	0	0	0.0	0
	4-27	20-35	---	6.1 - 7.8	0	0	0.0	0
	27-40	---	---	---	---	---	---	---
3030:								
Cleavmor	0-9	10-15	---	7.4 - 7.8	0	0	0.0	0
	9-15	20-25	---	7.4 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Ebic	0-10	15-25	---	6.6 - 7.3	0	0	0.0	0
	10-27	30-35	---	6.6 - 7.8	0	0	0.0	0
	27-31	---	---	---	---	---	---	---
Blackleg	0-4	15-25	---	6.1 - 7.3	0	0	0.0	0
	4-27	20-35	---	6.1 - 7.8	0	0	0.0	0
	27-40	---	---	---	---	---	---	---
3040:								
Peevywell	0-9	10-20	---	6.1 - 7.3	0	0	0.0	0
	9-16	25-35	---	6.1 - 7.3	0	0	0.0	0
	16-28	25-35	---	6.1 - 7.3	0	0	0.0	0
	28-46	---	---	---	---	---	---	---
	46-60	5.0-10	---	7.4 - 7.8	1-5	0	0.0-2.0	0-5
Cleavage	0-6	15-25	---	6.6 - 7.8	0	0	0.0	0
	6-15	15-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Elko County, Nevada, Central Part

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	
3040:								
Leevan	0-9	20-30	---	6.6 - 7.3	0	0	0.0	0
	9-26	40-50	---	6.6 - 7.8	0	0	0.0	0
	26-30	---	---	---	---	---	---	---
3050:								
Blackleg	0-4	15-25	---	6.1 - 7.3	0	0	0.0	0
	4-27	20-35	---	6.1 - 7.8	0	0	0.0	0
	27-40	---	---	---	---	---	---	---
Peevywell	0-9	10-20	---	6.1 - 7.3	0	0	0.0	0
	9-16	25-35	---	6.1 - 7.3	0	0	0.0	0
	16-28	25-35	---	6.1 - 7.3	0	0	0.0	0
	28-46	---	---	---	---	---	---	---
	46-60	5.0-10	---	7.4 - 7.8	1-5	0	0.0-2.0	0-5
Cleavage	0-6	15-25	---	6.6 - 7.8	0	0	0.0	0
	6-15	15-30	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
3080:								
Siri Variant	0-9	5.0-15	---	8.5 - 9.0	30-40	0	0.0-4.0	0-12
	9-26	5.0-10	---	8.5 - 9.0	35-45	0	0.0-4.0	0-12
	26-30	---	---	---	---	---	---	---
	30-34	---	---	---	---	---	---	---
Sumine	0-6	20-30	---	6.6 - 7.8	0	0	0.0	0
	6-27	25-40	---	6.6 - 7.8	0	0	0.0	0
	27-31	---	---	---	---	---	---	---
Vitale Variant	0-12	10-20	---	6.6 - 7.3	0	0	0.0	0
	12-43	15-20	---	6.6 - 7.3	0	0	0.0	0
	43-47	---	---	---	---	---	---	---
W:								
Water	---	---	---	---	---	---	---	---