Table J2. - Chemical Properties of the Soils

Mineral County Area, Nevada

Absence of an entry indicates that data were not estimated.

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
202:								
Tornillo Variant	0-4	10-15	---	6.6 - 7.3	0	0	0.0	0
	4-12	30-40	---	7.4 - 7.8	0	0	0.0	0
	12-60	30-40	---	7.9 - 9.0	1-5	0	4.0-8.0	0-2
203:								
Toney Family	0-6	10-15	---	6.6 - 7.3	0	0	0.0	0
	6-15	35-40	---	6.6 - 7.3	0	0	0.0	0
	15-24	30-40	---	6.6 - 7.3	0	0	0.0	0
	24-56	10-15	---	8.5 - 9.0	5-10	0	4.0-8.0	0-2
205:								
Pedee Variant	0-3	2.0-10	---	6.1 - 6.5	0	0	0.0	0
	3-9	15-30	---	6.1 - 6.5	0	0	0.0	0
	9-16	35-45	---	6.6 - 7.3	0	0	0.0	0
	16-29	35-45	---	6.6 - 7.3	0	0	0.0	0
	29-44	25-30	---	6.6 - 7.3	0	0	0.0	0
206:								
Bombadil Family	0-2	0.0-10	---	6.6 - 7.3	0	0	0.0	0
	2-6	10-20	---	6.6 - 7.3	0	0	0.0	0
	6-9	20-35	---	6.6 - 7.3	0	0	0.0	0
	9-13	---	---	---	---	---	---	---
Acana Family	0-2	5.0-10	---	6.6 - 7.3	0	0	0.0	0
	2-6	10-25	---	6.6 - 7.3	0	0	0.0	0
	6-10	35-45	---	6.6 - 7.3	0	0	0.0	0
	10-16	---	---	---	---	---	---	---
	16-20	---	---	---	---	---	---	---
207:								
Bulake Family	0-4	10-20	---	6.1 - 6.5	0	0	0.0	0
	4-17	45-55	---	6.6 - 7.3	0	0	0.0	0
	17-21	---	---	---	---	---	---	---
208:								
Bregar Family	0-2	0.0-10	---	6.6 - 7.3	0	0	0.0	0
	2-5	10-20	---	6.6 - 7.3	0	0	0.0	0
	5-8	20-40	---	6.6 - 7.3	0	0	0.0	0
	8-12	---	---	---	---	---	---	---
211:								
Langston Family	0-4	0.0-10	---	7.4 - 7.8	0	0	0.0	0
	4-9	10-25	---	7.9 - 8.4	0	0	0.0-2.0	0-2
	9-14	20-35	---	7.9 - 8.4	0	0	0.0-2.0	0-2
	14-40	0.0-10	---	8.5 - 9.0	1-10	0	0.0-2.0	1-12
	40-50	0.0-10	---	8.5 - 9.0	1-10	0	0.0-2.0	1-12

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
211:								
Karpp Family	0-2	10-20	---	8.5 - 9.0	1-5	0	0.0-4.0	0-2
	2-9	10-20	---	8.5 - 9.0	1-5	0	0.0-4.0	0-2
	9-13	---	---	---	---	---	---	---
213:								
Ratto Family	0-3	0.0-3.0	---	6.1 - 6.5	0	0	0.0	0
	3-18	30-40	---	6.1 - 6.5	0	0	0.0	0
	18-22	---	---	---	---	---	---	---
Vinini Family	0-1	3.0-10	---	7.4 - 7.8	0	0	0.0-4.0	0
	1-3	25-35	---	7.9 - 8.4	0	0	0.0-4.0	0-2
	3-15	25-35	---	7.9 - 8.4	1-10	0	0.0-4.0	0-2
	15-19	8.0-12	---	7.9 - 8.4	5-10	0	0.0-4.0	0-2
	19-23	---	---	---	---	---	---	---
214:								
Watoopah Family	0-2	0.0-4.0	---	6.6 - 7.3	0	0	0.0	0
	2-8	8.0-15	---	6.6 - 7.3	0	0	0.0	0
	8-13	8.0-15	---	6.6 - 7.3	0	0	0.0	0
	13-20	15-30	---	8.5 - 9.0	5-10	0	0.0-2.0	0-5
	20-44	0.0-4.0	---	8.5 - 9.0	5-10	0	0.0-2.0	0-5
	44-48	---	---	---	---	---	---	---
216:								
Merino Family	0-2	0.0-5.0	---	6.1 - 6.5	0	0	0.0	0
	2-5	10-20	---	6.1 - 6.5	0	0	0.0	0
	5-12	10-20	---	6.1 - 6.5	0	0	0.0	0
	12-16	---	---	---	---	---	---	---
218:								
Ratto Family	0-3	0.0-3.0	---	6.1 - 6.5	0	0	0.0	0
	3-18	30-40	---	6.1 - 6.5	0	0	0.0	0
	18-22	---	---	---	---	---	---	---
Borealis Family	0-2	10-20	---	6.1 - 6.5	0	0	0.0-2.0	0
	2-8	10-20	---	6.1 - 6.5	0	0	0.0-2.0	0
	8-20	30-45	---	6.1 - 6.5	0	0	0.0-2.0	0
	20-24	---	---	---	---	---	---	---
	24-28	---	---	---	---	---	---	---
301:								
Lazan Family	0-2	2.0-8.0	---	6.1 - 6.5	0	0	0.0	0
	2-4	2.0-8.0	---	6.1 - 6.5	0	0	0.0	0
	4-23	---	---	---	---	---	---	---
	23-30	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
301:								
Powment	0-2	0.0-3.0	---	6.1 - 7.3	0	0	0.0	0
	2-10	0.0-3.0	---	6.1 - 7.3	0	0	0.0	0
	10-14	---	---	---	---	---	---	---
302:								
Jenness Family	0-37	10-20	---	6.6 - 7.3	0	0	0.0	0
	37-60	5.0-20	---	6.6 - 7.3	0	0	0.0	0
304:								
Reese Family	0-9	3.0-8.0	---	8.5 - 9.6	1-10	0	0.0-4.0	13-30
	9-60	15-25	---	9.1 - 9.6	1-10	0	4.0-16.0	30-45
Kawich Family	0-3	5.0-10	---	7.9 - 8.4	0	0	0.0-2.0	0-2
	3-60	5.0-10	---	7.9 - 8.4	0	0	0.0-2.0	0-2
Tornillo Variant	0-17	30-40	---	7.9 - 9.0	0	0	4.0-8.0	1-12
	17-22	10-20	---	7.9 - 9.0	0	0	4.0-16.0	13-30
	22-32	25-35	---	9.1 - 9.6	0-2	0	4.0-16.0	31-45
	32-60	10-20	---	9.1 - 9.6	5-10	0	4.0-16.0	31-45
305:								
Sheeprock Family	0-6	10-20	---	6.1 - 6.5	0	0	0.0	0
	6-55	5.0-10	---	6.1 - 6.5	0	0	0.0	0
306:								
Baldy Variant	0-24	25-35	---	6.1 - 7.3	0	0	0.0	0
	24-32	40-45	---	6.6 - 7.3	0	0	0.0	0
	32-44	25-35	---	6.6 - 7.3	0	0	0.0	0
	44-56	0.0-10	---	6.6 - 7.3	0	0	0.0	0
307:								
Jenness Family	0-37	10-20	---	6.6 - 7.3	0	0	0.0	0
	37-60	5.0-20	---	6.6 - 7.3	0	0	0.0	0
Fadoll	0-10	10-20	---	6.6 - 7.3	0	0	0.0	0
	10-35	10-20	---	6.6 - 7.3	0	0	0.0	0
	35-60	5.0-10	---	6.6 - 7.3	0	0	0.0	0
502:								
Hapgood Family	0-5	10-20	---	6.1 - 6.5	0	0	0.0	0
	5-40	10-20	---	6.1 - 7.3	0	0	0.0	0
504:								
Coutis Family	0-29	3.0-10	---	6.1 - 6.5	0	0	0.0	0
	29-43	3.0-15	---	6.6 - 7.3	0	0	0.0	0
	43-53	---	---	---	---	---	---	---
505:								

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
505:								
Madeline Family	0-2	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	2-5	20-30	---	6.1 - 7.3	0	0	0.0	0
	5-10	35-45	---	6.1 - 7.3	0	0	0.0	0
	10-14	---	---	---	---	---	---	---
Bulake Family	0-4	10-20	---	6.6 - 7.3	0	0	0.0	0
	4-17	45-55	---	6.6 - 7.3	0	0	0.0	0
	17-21	---	---	---	---	---	---	---
507:								
Clanalpine Family	0-3	10-15	---	6.1 - 6.5	0	0	0.0	0
	3-8	15-25	---	6.1 - 6.5	0	0	0.0	0
	8-15	25-40	---	6.1 - 6.5	0	0	0.0	0
	15-40	20-30	---	6.1 - 6.5	0	0	0.0	0
530:								
Cleaver	0-4	5.0-15	---	6.6 - 9.0	0-1	0	0.0-2.0	1-12
	4-12	18-25	---	6.6 - 8.4	0	0	0.0-2.0	1-12
	12-60	---	---	---	---	---	---	---
Bluewing	0-7	2.0-8.0	---	7.4 - 9.0	0-2	0	0.0-2.0	0-5
	7-60	2.0-8.0	---	7.4 - 9.0	1-5	0	0.0-4.0	1-12
Trocken	0-3	5.0-12	---	8.5 - 9.6	1-5	0	0.0-2.0	1-12
	3-60	5.0-12	---	7.9 - 9.6	1-5	0-1	2.0-4.0	5-12
902:								
Lava Flows	---	---	---	---	---	---	---	---
Lithic Xerorthents	0-2	2.0-10	---	6.6 - 7.3	0	0	0.0	0
	2-9	2.0-10	---	6.6 - 7.3	0	0	0.0	0
	9-13	---	---	---	---	---	---	---
1032:								
Goldyke	0-3	5.0-10	---	7.9 - 8.4	1-5	0	0.0-2.0	0-2
	3-6	8.0-15	---	7.9 - 8.4	1-5	0	0.0-2.0	0-2
	6-22	---	---	---	---	---	---	---
	22-26	---	---	---	---	---	---	---
Trocken	0-3	3.0-7.0	---	7.9 - 9.0	1-5	0	0.0-2.0	1-12
	3-60	5.0-12	---	7.9 - 9.0	1-5	0-1	2.0-4.0	5-12
1033:								
Goldyke	0-3	5.0-10	---	7.9 - 8.4	1-5	0	0.0-2.0	0-2
	3-9	8.0-15	---	7.9 - 8.4	1-5	0	0.0-2.0	0-2
	9-27	---	---	---	---	---	---	---
	27-31	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1033:								
Blacktop	0-7	5.0-10	---	7.4 - 8.4	0	0	0.0-4.0	0
	7-11	---	---	---	---	---	---	---
Koyen	0-2	3.0-15	---	7.9 - 9.0	0	0	0.0-2.0	0-5
	2-18	5.0-15	---	7.9 - 9.0	0-15	0	0.0-2.0	0-5
	18-40	5.0-15	---	7.9 - 9.0	10-30	0	0.0-4.0	1-12
	40-60	0.0-8.0	---	7.9 - 9.0	10-25	0-1	0.0-4.0	1-12
1040:								
Isolde	0-6	1.0-5.0	---	6.6 - 8.4	0-1	0	0.0	0-5
	6-60	1.0-5.0	---	6.6 - 8.4	0-3	0-1	0.0-2.0	0-5
Hawsley	0-3	3.0-10	---	6.6 - 8.4	0	0	0.0	0
	3-60	1.0-5.0	---	7.4 - 9.0	1-5	0	0.0-2.0	1-5
1041:								
Isolde	0-6	1.0-5.0	---	6.6 - 8.4	0-1	0	0.0	0-5
	6-60	1.0-5.0	---	6.6 - 8.4	0-3	0-1	0.0-2.0	0-5
Playas	0-6	24-35	---	8.5 - 9.6	1-5	1-5	16.0-32.0	46-90
	6-60	30-60	---	8.5 - 9.6	1-10	1-10	16.0-32.0	46-90
Wabuska	0-9	1.0-4.0	---	8.5 - 9.6	1-5	0	2.0-4.0	31-90
	9-60	8.0-15	---	7.9 - 9.6	1-10	0	2.0-8.0	13-45
1042:								
Isolde	0-6	1.0-5.0	---	6.6 - 8.4	0-1	0	0.0	0-5
	6-60	1.0-5.0	---	6.6 - 8.4	0-3	0-1	0.0-2.0	0-5
Dune Land	0-6	0.0-1.0	---	7.4 - 8.4	0	0	0.0	0
	6-60	0.0-1.0	---	7.4 - 8.4	0	0	0.0	0
1043:								
Isolde	0-6	1.0-5.0	---	6.6 - 8.4	0-1	0	0.0	0-5
	6-60	1.0-5.0	---	6.6 - 8.4	0-3	0-1	0.0-2.0	0-5
Cirac	0-5	15-30	---	8.5 - 9.6	1-10	0	2.0-4.0	13-30
	5-60	5.0-20	---	8.5 - 9.6	1-10	0	4.0-16.0	13-45
Playas	0-6	24-35	---	8.5 - 9.6	1-5	1-5	16.0-32.0	46-90
	6-60	30-60	---	8.5 - 9.6	1-10	1-10	16.0-32.0	46-90
1044:								
Isolde	0-6	1.0-5.0	---	6.6 - 8.4	0-1	0	0.0	0-5
	6-60	1.0-5.0	---	6.6 - 8.4	0-3	0-1	0.0-2.0	0-5

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1044:								
Patna	0-6	2.0-8.0	---	6.6 - 7.8	0	0	0.0	0
	6-24	5.0-15	---	6.6 - 7.8	0	0	0.0	0
	24-43	0.0-3.0	---	7.4 - 8.4	1-5	0	0.0-2.0	0
	43-60	0.0-3.0	---	7.4 - 8.4	1-5	0	0.0-2.0	0-2
Hawsley	0-8	1.0-5.0	---	6.6 - 8.4	0	0	0.0	0
	8-42	1.0-5.0	---	7.4 - 9.0	1-5	0	0.0-2.0	1-5
	42-60	1.0-5.0	---	7.4 - 9.0	1-5	0	0.0-2.0	2-9
Playas	0-6	24-35	---	8.5 - 9.6	1-5	1-5	16.0-32.0	46-90
	6-60	30-60	---	8.5 - 9.6	1-10	1-10	16.0-32.0	46-90
1072:								
Rednik	0-6	3.0-10	---	7.4 - 9.0	0-3	0	0.0-2.0	1-12
	6-11	15-20	---	7.9 - 9.0	1-5	0-1	4.0-8.0	13-30
	11-16	3.0-10	---	8.5 - 9.6	1-5	0-2	2.0-8.0	13-30
	16-60	1.0-5.0	---	8.5 - 9.6	1-5	0-2	0.0-4.0	5-30
Trocken	0-3	5.0-12	---	7.9 - 9.0	1-5	0	0.0-2.0	1-12
	3-60	5.0-12	---	7.9 - 9.0	1-5	0-1	2.0-4.0	5-12
Bluewing	0-7	1.0-7.0	---	7.9 - 9.0	0-5	0	0.0-2.0	0-5
	7-60	1.0-7.0	---	7.9 - 9.0	5-10	0	0.0-4.0	0-5
1090:								
Singatse	0-3	4.0-12	---	7.9 - 9.0	1-10	0	0.0-2.0	0-5
	3-9	4.0-12	---	7.9 - 9.0	1-10	0	0.0-2.0	0-12
	9-13	---	---	---	---	---	---	---
Theon	0-1	7.0-13	---	6.6 - 8.4	0-1	0	0.0-2.0	0-12
	1-8	15-22	---	6.6 - 9.0	0-1	0	0.0-2.0	0-12
	8-12	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
1091:								
Singatse	0-2	4.0-12	---	7.9 - 9.0	1-10	0	0.0-2.0	0-5
	2-6	4.0-12	---	7.9 - 9.0	1-10	0	0.0-2.0	0-12
	6-10	---	---	---	---	---	---	---
Gynelle	0-2	0.0-3.0	---	7.9 - 9.6	1-5	0	0.0-4.0	1-12
	2-60	0.0-8.0	---	7.9 - 9.6	1-20	0	4.0-8.0	13-30
Izo	0-8	0.0-8.0	---	7.9 - 9.0	1-10	0	0.0-2.0	0-5
	8-60	0.0-8.0	---	7.9 - 9.0	5-20	0	0.0-4.0	0-5
1094:								

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1094:								
Singatse	0-3	3.0-10	---	7.9 - 9.0	1-10	0	0.0-2.0	0-2
	3-9	3.0-10	---	7.9 - 9.0	1-10	0	0.0-2.0	0-2
	9-13	---	---	---	---	---	---	---
Hawsley	0-8	3.0-10	---	6.6 - 8.4	0	0	0.0	0
	8-42	1.0-5.0	---	7.4 - 9.0	1-5	0	0.0-2.0	1-5
	42-60	1.0-5.0	---	7.4 - 9.0	1-5	0	0.0-2.0	2-9
1121:								
Theon	0-3	6.0-13	---	6.6 - 8.4	0-1	0	0.0-2.0	0-12
	3-12	15-22	---	6.6 - 9.0	0-1	0	0.0-2.0	1-12
	12-16	---	---	---	---	---	---	---
Old Camp	0-2	8.0-16	---	6.6 - 7.8	0	0	0.0-2.0	0-5
	2-14	17-23	---	6.6 - 9.0	0-5	0	0.0-2.0	0-5
	14-18	---	---	---	---	---	---	---
1127:								
Theon	0-2	6.0-13	---	6.6 - 8.4	0-1	0	0.0-2.0	0-12
	2-11	15-22	---	6.6 - 9.0	0-1	0	0.0-2.0	1-12
	11-15	---	---	---	---	---	---	---
1130:								
Uripnes	0-4	6.0-12	---	6.1 - 7.8	0	0	0.0	0
	4-21	---	---	---	---	---	---	---
	21-25	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
1131:								
Budihol	0-2	5.0-15	---	6.6 - 7.3	0	0	0.0	0
	2-10	5.0-15	---	6.6 - 7.3	0	0	0.0	0
	10-21	---	---	---	---	---	---	---
	21-25	---	---	---	---	---	---	---
Uripnes	0-4	6.0-12	---	6.1 - 7.8	0	0	0.0	0
	4-21	---	---	---	---	---	---	---
	21-25	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
1136:								
Uripnes	0-4	6.0-12	---	6.1 - 7.8	0	0	0.0	0
	4-21	---	---	---	---	---	---	---
	21-25	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1136:								
Pumel	0-1	5.0-15	---	7.9 - 9.0	10-25	0	0.0-2.0	0-5
	1-4	5.0-15	---	7.9 - 9.0	10-25	0	0.0-2.0	0-5
	4-8	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
1138:								
Uripnes	0-4	6.0-12	---	6.1 - 7.8	0	0	0.0	0
	4-21	---	---	---	---	---	---	---
	21-25	---	---	---	---	---	---	---
Petspring	0-1	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	1-3	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	3-7	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
1139:								
Uripnes	0-4	6.0-12	---	6.1 - 7.8	0	0	0.0	0
	4-21	---	---	---	---	---	---	---
	21-25	---	---	---	---	---	---	---
Zyzzi	0-2	6.0-11	---	6.6 - 7.3	0	0	0.0	0
	2-6	19-27	---	6.6 - 7.8	0	0	0.0	0
	6-40	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
1140:								
Wabuska	0-14	10-20	---	8.5 - 9.6	1-5	0	2.0-4.0	31-90
	14-60	8.0-15	---	7.9 - 9.6	1-10	0	2.0-8.0	13-45
Isolde	0-4	1.0-5.0	---	6.6 - 8.4	0-1	0	0.0	0-5
	4-60	1.0-5.0	---	6.6 - 8.4	0-3	0-1	0.0-2.0	0-5
1141:								
Wabuska	0-9	11-22	---	8.5 - 9.6	1-5	0	8.0-16.0	31-90
	9-60	8.0-15	---	7.9 - 9.6	1-10	0	2.0-8.0	13-45
Playas	0-6	24-35	---	8.5 - 9.6	1-5	1-5	16.0-32.0	46-90
	6-60	30-60	---	8.5 - 9.6	1-10	1-10	16.0-32.0	46-90
Isolde	0-6	1.0-5.0	---	6.6 - 8.4	0-1	0	0.0	0-5
	6-60	1.0-5.0	---	6.6 - 8.4	0-3	0-1	0.0-2.0	0-5
1142:								

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1142:								
Wabuska	0-9	11-22	---	8.5 - 9.6	1-5	0	8.0-16.0	31-90
	9-60	8.0-15	---	7.9 - 9.6	1-10	0	2.0-8.0	13-45
Playas	0-6	24-35	---	8.5 - 9.6	1-5	1-5	16.0-32.0	46-90
	6-60	30-60	---	8.5 - 9.6	1-10	1-10	16.0-32.0	46-90
1151:								
Gynelle	0-2	0.0-3.0	---	7.9 - 9.6	1-5	0	0.0-4.0	1-12
	2-60	0.0-8.0	---	7.9 - 9.6	1-20	0	4.0-8.0	13-30
1153:								
Gynelle	0-3	0.0-3.0	---	7.9 - 9.6	1-5	0	0.0-4.0	1-12
	3-60	0.0-8.0	---	7.9 - 9.6	1-20	0	4.0-8.0	13-30
1155:								
Gynelle	0-2	0.0-3.0	---	7.9 - 9.6	1-5	0	0.0-4.0	1-12
	2-60	0.0-8.0	---	7.9 - 9.6	1-20	0	4.0-8.0	13-30
Izo	0-3	0.0-8.0	---	7.9 - 9.0	1-10	0	0.0-2.0	0-5
	3-60	0.0-8.0	---	7.9 - 9.0	5-20	0	0.0-4.0	0-5
1156:								
Gynelle	0-3	0.0-3.0	---	7.9 - 9.6	1-5	0	0.0-2.0	1-12
	3-60	0.0-3.0	---	7.9 - 9.6	1-20	0	4.0-8.0	13-30
Izo	0-8	0.0-8.0	---	7.9 - 9.0	1-10	0	0.0-2.0	0-5
	8-60	0.0-8.0	---	7.9 - 9.0	5-20	0	0.0-4.0	0-5
1171:								
Hawsley	0-8	3.0-10	---	6.6 - 8.4	0	0	0.0	0
	8-42	1.0-5.0	---	7.4 - 9.0	1-5	0	0.0-2.0	1-5
	42-60	1.0-5.0	---	7.4 - 9.0	1-5	0	0.0-2.0	2-9
Theon	0-2	6.0-13	---	6.6 - 8.4	0-1	0	0.0-2.0	0-12
	2-11	15-22	---	6.6 - 9.0	0-1	0	0.0-2.0	1-12
	11-15	---	---	---	---	---	---	---
1172:								
Hawsley	0-8	1.0-5.0	---	6.6 - 8.4	0	0	0.0	0
	8-42	1.0-5.0	---	7.4 - 9.0	1-5	0	0.0-2.0	1-5
	42-60	1.0-5.0	---	7.4 - 9.0	1-5	0	0.0-2.0	2-9
1173:								
Hawsley	0-8	1.0-5.0	---	6.6 - 8.4	0	0	0.0	0
	8-42	1.0-5.0	---	7.4 - 9.0	1-5	0	0.0-2.0	1-5
	42-60	1.0-5.0	---	7.4 - 9.0	1-5	0	0.0-2.0	2-9

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1173:								
Izo	0-8	0.0-8.0	---	7.9 - 9.0	1-10	0	0.0-2.0	0-5
	8-60	0.0-8.0	---	7.9 - 9.0	5-20	0	0.0-4.0	0-5
1174:								
Hawsley	0-8	1.0-5.0	---	6.6 - 8.4	0	0	0.0	0
	8-42	1.0-5.0	---	7.4 - 9.0	1-5	0	0.0-2.0	1-5
	42-60	1.0-5.0	---	7.4 - 9.0	1-5	0	0.0-2.0	2-9
Typic Torriorthents	0-6	2.0-5.0	---	7.9 - 9.0	0-5	0	0.0-2.0	1-5
	6-60	5.0-20	---	7.9 - 9.0	0-5	0	0.0-2.0	1-12
1180:								
Buckaroo	0-4	5.0-10	---	8.5 - 9.6	0-2	0	0.0-4.0	5-12
	4-18	21-31	---	8.5 - 9.6	1-10	0	8.0-16.0	31-90
	18-60	5.0-12	---	8.5 - 9.6	5-15	0	8.0-16.0	31-90
Bluewing	0-7	1.0-7.0	---	7.9 - 9.0	0-5	0	0.0-2.0	0-5
	7-60	1.0-7.0	---	7.9 - 9.0	5-10	0	0.0-4.0	0-5
1190:								
Old Camp	0-2	8.0-16	---	6.6 - 7.8	0	0	0.0-2.0	0-5
	2-14	17-23	---	6.6 - 9.0	0-5	0	0.0-2.0	0-5
	14-18	---	---	---	---	---	---	---
Theon	0-2	7.0-13	---	6.6 - 8.4	0-1	0	0.0-2.0	0-12
	2-11	15-22	---	6.6 - 9.0	0-1	0	0.0-2.0	0-12
	11-15	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
1200:								
Playas	0-6	24-35	---	8.5 - 9.6	1-5	1-5	16.0-32.0	46-90
	6-60	30-60	---	8.5 - 9.6	1-10	1-10	16.0-32.0	46-90
1201:								
Playas	0-6	24-35	---	8.5 - 9.6	1-5	1-5	16.0-32.0	46-90
	6-60	30-60	---	8.5 - 9.6	1-10	1-10	16.0-32.0	46-90
Slaw	0-9	5.0-15	---	8.5 - 9.6	1-4	0	16.0-32.0	13-30
	9-48	20-25	---	8.5 - 9.6	1-4	0	16.0-32.0	1-5
	48-60	5.0-20	---	8.5 - 9.6	1-4	0-5	4.0-8.0	1-5
1202:								
Dumps	---	---	---	---	---	---	---	---
Pits	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1205:								
Badland	0-6	20-40	---	7.4 - 9.6	1-5	1-10	0.0-32.0	0-99
	6-60	20-40	---	7.4 - 9.6	1-10	1-15	0.0-32.0	0-99
1210:								
Trocken	0-3	3.0-7.0	---	7.9 - 9.0	1-5	0	0.0-2.0	1-12
	3-60	5.0-12	---	7.9 - 9.0	1-5	0-1	2.0-4.0	5-12
Bluewing	0-7	4.0-9.0	---	7.9 - 9.0	0-5	0	0.0-2.0	1-12
	7-60	1.0-5.0	---	7.9 - 9.0	5-15	0-1	0.0-4.0	1-12
1221:								
Eastgate	0-6	5.0-10	---	7.9 - 9.0	1-5	0	0.0-2.0	0-5
	6-14	5.0-10	---	7.9 - 9.0	5-10	0	0.0-2.0	0-5
	14-31	0.0-5.0	---	8.5 - 9.6	10-25	0	0.0-2.0	0-5
	31-60	0.0-5.0	---	8.5 - 9.6	10-25	0	0.0-2.0	0-5
1223:								
Eastgate	0-5	0.0-5.0	---	7.9 - 9.0	1-5	0	0.0-2.0	0-5
	5-17	5.0-10	---	7.9 - 9.0	0-5	0	0.0-2.0	0-5
	17-25	0.0-5.0	---	8.5 - 9.6	5-10	0	0.0-4.0	0-5
	25-60	0.0-5.0	---	8.5 - 9.6	5-10	0	0.0-4.0	0-5
Cirac	0-5	5.0-20	---	8.5 - 9.6	1-10	0	2.0-4.0	13-30
	5-60	5.0-20	---	8.5 - 9.6	1-10	0	4.0-16.0	13-45
1240:								
Blacktop	0-4	5.0-10	---	7.4 - 8.4	0	0	0.0-4.0	0
	4-8	---	---	---	---	---	---	---
Downeyville	0-5	5.0-15	---	7.9 - 8.4	0-5	0	0.0-2.0	0-5
	5-14	10-25	---	7.9 - 9.0	0-10	0	0.0-2.0	0-5
	14-18	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
1241:								
Blacktop	0-7	5.0-10	---	7.4 - 8.4	0	0	0.0-4.0	0
	7-11	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
1243:								
Blacktop	0-7	5.0-10	---	7.4 - 8.4	0	0	0.0-4.0	0
	7-11	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1243:								
Rodad	0-4	5.0-15	---	7.9 - 9.0	1-20	0	0.0-2.0	0-5
	4-12	20-30	---	7.9 - 9.0	1-20	0	0.0-2.0	0-5
	12-16	---	---	---	---	---	---	---
Theriot	0-3	3.0-10	---	7.9 - 9.6	15-40	0	0.0-2.0	0-12
	3-14	3.0-8.0	---	7.9 - 9.6	20-40	0	0.0-4.0	0-12
	14-18	---	---	---	---	---	---	---
1280:								
Chill	0-4	5.0-11	---	6.6 - 7.8	0	0	0.0	0
	4-7	19-27	---	6.6 - 7.8	0	0	0.0	0
	7-11	---	---	---	---	---	---	---
Petspring	0-1	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	1-3	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	3-7	---	---	---	---	---	---	---
1281:								
Chill	0-3	5.0-11	---	6.6 - 7.8	0	0	0.0	0
	3-7	19-27	---	6.6 - 7.8	0	0	0.0	0
	7-11	---	---	---	---	---	---	---
Beelem	0-1	10-20	---	7.4 - 8.4	1-5	0	0.0-2.0	0-2
	1-4	10-25	---	7.4 - 8.4	1-5	0	0.0-2.0	0-2
	4-7	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
1282:								
Chill	0-3	5.0-11	---	6.6 - 7.8	0	0	0.0	0
	3-7	19-27	---	6.6 - 7.8	0	0	0.0	0
	7-11	---	---	---	---	---	---	---
Veet	0-5	5.0-15	---	7.4 - 8.4	0-5	0	0.0-2.0	0-5
	5-20	5.0-15	---	7.4 - 9.0	0-5	0	0.0-2.0	0-5
	20-60	2.0-8.0	---	7.9 - 9.0	10-20	0	0.0-2.0	0-5
1283:								
Chill	0-3	5.0-11	---	6.6 - 7.8	0	0	0.0	0
	3-7	19-27	---	6.6 - 7.8	0	0	0.0	0
	7-11	---	---	---	---	---	---	---
Itme	0-6	0.0-5.0	---	7.4 - 8.4	0-5	0	0.0-2.0	0-5
	6-60	0.0-5.0	---	7.4 - 9.0	1-25	0	0.0-2.0	0-5
1290:								

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1290:								
Petspring	0-1	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	1-3	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	3-7	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
Budihol	0-2	5.0-15	---	6.6 - 7.3	0	0	0.0	0
	2-10	5.0-15	---	6.6 - 7.3	0	0	0.0	0
	10-21	---	---	---	---	---	---	---
	21-25	---	---	---	---	---	---	---
1291:								
Petspring	0-1	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	1-3	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	3-7	---	---	---	---	---	---	---
Uripnes	0-4	6.0-12	---	6.1 - 7.8	0	0	0.0	0
	4-21	---	---	---	---	---	---	---
	21-25	---	---	---	---	---	---	---
Beelem	0-1	10-20	---	7.4 - 8.4	1-5	0	0.0-2.0	0-2
	1-4	10-25	---	7.4 - 8.4	1-5	0	0.0-2.0	0-2
	4-7	---	---	---	---	---	---	---
1301:								
Sundown	0-3	0.0-3.0	---	7.9 - 9.0	1-5	0	0.0-2.0	0-2
	3-60	3.0-8.0	---	7.9 - 9.0	1-5	0	0.0-2.0	0-2
1310:								
Typic Torriorthents	0-6	2.0-5.0	---	7.9 - 9.0	0-5	0	0.0-2.0	1-5
	6-60	5.0-20	---	7.9 - 9.0	0-5	0	0.0-2.0	1-12
Gynelle	0-2	0.0-3.0	---	7.9 - 9.0	1-5	0	0.0-4.0	1-12
	2-60	0.0-8.0	---	7.9 - 9.0	1-20	0	4.0-8.0	13-30
Oricto	0-3	5.0-15	---	8.5 - 9.6	5-25	0	2.0-8.0	1-12
	3-8	10-25	---	8.5 - 9.6	10-30	0	4.0-8.0	6-12
	8-14	10-25	---	8.5 - 9.6	10-30	0	8.0-16.0	13-90
	14-60	5.0-15	---	8.5 - 9.6	10-30	0-1	8.0-16.0	13-90
1320:								
Belted	0-4	10-15	---	7.9 - 9.6	1-5	0	4.0-8.0	0-5
	4-10	15-25	---	7.9 - 9.6	1-5	0	4.0-16.0	1-12
	10-34	---	---	---	---	---	---	---
	34-60	0.0-5.0	---	7.9 - 9.6	0-5	0	2.0-8.0	0-5

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1320:								
Downeyville	0-4	5.0-15	---	7.9 - 8.4	0-5	0	0.0-2.0	0-5
	4-9	10-25	---	7.9 - 9.0	0-10	0	0.0-2.0	0-5
	9-13	---	---	---	---	---	---	---
1322:								
Belted	0-4	10-15	---	7.9 - 9.6	1-5	0	4.0-8.0	0-5
	4-10	15-25	---	7.9 - 9.6	1-5	0	4.0-16.0	1-12
	10-34	---	---	---	---	---	---	---
	34-60	0.0-5.0	---	7.9 - 9.6	0-5	0	2.0-8.0	0-5
Annaw	0-2	5.0-10	---	7.9 - 9.0	1-5	0	0.0-2.0	0-12
	2-11	5.0-10	---	7.9 - 9.0	1-5	0	0.0-2.0	0-12
	11-60	0.0-5.0	---	7.9 - 9.0	10-20	0	0.0-4.0	0-12
1323:								
Belted	0-4	10-15	---	7.9 - 9.6	1-5	0	4.0-8.0	0-5
	4-10	15-25	---	7.9 - 9.6	1-5	0	4.0-16.0	1-12
	10-34	---	---	---	---	---	---	---
	34-60	0.0-5.0	---	7.9 - 9.6	0-5	0	2.0-8.0	0-5
Izo	0-8	0.0-8.0	---	7.9 - 9.0	1-10	0	0.0-2.0	0-5
	8-60	0.0-8.0	---	7.9 - 9.0	5-20	0	0.0-4.0	0-5
1324:								
Belted	0-2	10-20	---	7.9 - 9.0	1-5	0	4.0-8.0	0-5
	2-7	15-25	---	7.9 - 9.0	1-5	0	4.0-16.0	1-12
	7-31	---	---	---	---	---	---	---
	31-60	0.0-5.0	---	7.9 - 9.0	0-5	0	2.0-8.0	0-5
Annaw	0-2	2.0-5.0	---	7.9 - 9.0	1-5	0	0.0-2.0	0-12
	2-11	5.0-10	---	7.9 - 9.0	1-5	0	0.0-2.0	0-12
	11-60	0.0-5.0	---	7.9 - 9.0	10-20	0	0.0-4.0	0-12
1325:								
Belted	0-2	10-15	---	7.9 - 9.0	1-5	0	4.0-8.0	0-5
	2-7	15-25	---	7.9 - 9.0	1-5	0	4.0-16.0	1-12
	7-31	---	---	---	---	---	---	---
	31-60	0.0-5.0	---	7.9 - 9.0	0-5	0	2.0-8.0	0-5
Terlco	0-2	6.0-10	---	8.5 - 9.0	5-20	0	0.0-2.0	1-12
	2-11	11-22	---	8.5 - 9.6	5-20	0	2.0-8.0	13-30
	11-18	5.0-10	---	8.5 - 9.6	15-30	0	2.0-8.0	31-45
	18-60	2.0-7.0	---	8.5 - 9.6	15-30	0	2.0-8.0	31-45
Izo	0-8	0.0-8.0	---	7.9 - 9.0	1-10	0	0.0-2.0	0-5
	8-60	0.0-8.0	---	7.9 - 9.0	5-20	0	0.0-4.0	0-5
1326:								

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1326:								
Belted	0-4	10-15	---	7.9 - 9.6	1-5	0	4.0-8.0	0-5
	4-10	15-25	---	7.9 - 9.6	1-5	0	4.0-16.0	1-12
	10-34	---	---	---	---	---	---	---
	34-60	0.0-5.0	---	7.9 - 9.6	0-5	0	2.0-8.0	0-5
Breko	0-6	5.0-20	---	7.9 - 9.0	0-5	0	0.0-2.0	0-2
	6-21	15-30	---	7.9 - 9.0	5-20	0	0.0-2.0	0-2
	21-29	15-30	---	7.9 - 9.0	10-30	0	0.0-2.0	0-2
	29-60	5.0-15	---	7.9 - 9.0	10-30	0	0.0-2.0	0-2
1327:								
Belted	0-2	10-15	---	7.9 - 9.0	1-5	0	4.0-8.0	0-5
	2-7	15-25	---	7.9 - 9.0	1-5	0	4.0-16.0	1-12
	7-31	---	---	---	---	---	---	---
	31-60	0.0-5.0	---	7.9 - 9.0	0-5	0	2.0-8.0	0-5
Lathrop	0-5	5.0-15	---	7.9 - 9.0	1-15	0	0.0-2.0	0-5
	5-11	15-25	---	7.4 - 9.0	0-20	0	0.0-2.0	0-5
	11-30	0.0-4.0	---	7.9 - 9.6	10-25	0	0.0-4.0	0-12
	30-60	0.0-3.0	---	7.9 - 9.6	0-10	0	0.0-4.0	0-12
1328:								
Belted	0-4	10-15	---	7.9 - 9.6	1-5	0	4.0-8.0	0-5
	4-10	15-25	---	7.9 - 9.6	1-5	0	4.0-16.0	1-12
	10-34	---	---	---	---	---	---	---
	34-60	0.0-5.0	---	7.9 - 9.6	0-5	0	2.0-8.0	0-5
Zadvar	0-3	5.0-20	---	7.4 - 8.4	0	0	0.0-2.0	0-5
	3-10	15-30	---	7.4 - 8.4	0	0	0.0-2.0	0-5
	10-25	---	---	---	---	---	---	---
	25-60	5.0-10	---	7.9 - 9.0	15-30	0	0.0-2.0	0-5
1329:								
Belted	0-3	5.0-15	---	7.9 - 9.6	1-5	0	0.0-2.0	0-5
	3-7	15-30	---	7.9 - 9.6	1-5	0	0.0-2.0	0-5
	7-24	---	---	---	---	---	---	---
	24-60	5.0-15	---	7.9 - 9.6	1-5	0	0.0-4.0	0-5
Koyen	0-3	3.0-15	---	7.9 - 9.0	0	0	0.0-2.0	0-5
	3-17	5.0-15	---	7.9 - 9.0	0-15	0	0.0-2.0	0-5
	17-44	5.0-15	---	7.9 - 9.0	10-30	0	0.0-4.0	1-12
	44-60	0.0-8.0	---	7.9 - 9.0	10-25	0-1	0.0-4.0	1-12
1340:								
Barnmot	0-2	20-30	---	7.9 - 8.4	0-3	0	0.0-2.0	1-5
	2-60	30-50	---	7.9 - 9.0	1-3	0	0.0-8.0	1-12

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1340:								
Belted	0-4	10-15	---	7.9 - 9.6	1-5	0	4.0-8.0	0-5
	4-10	15-25	---	7.9 - 9.6	1-5	0	4.0-16.0	1-12
	10-34	---	---	---	---	---	---	---
	34-60	0.0-5.0	---	7.9 - 9.6	0-5	0	2.0-8.0	0-5
1341:								
Barnmot	0-1	20-30	---	7.9 - 8.4	0-3	0	0.0-2.0	1-5
	1-60	30-50	---	7.9 - 9.0	1-3	0	0.0-8.0	1-12
Haarvar	0-1	30-35	---	7.9 - 8.4	1-5	0	0.0-2.0	0
	1-14	35-45	---	7.9 - 8.4	1-5	0	0.0-2.0	0
	14-18	---	---	---	---	---	---	---
1342:								
Barnmot	0-2	20-30	---	7.9 - 8.4	0-3	0	0.0-2.0	1-5
	2-60	30-50	---	7.9 - 9.0	1-3	0	0.0-8.0	1-12
Badland	0-6	20-40	---	7.4 - 9.6	1-5	1-10	0.0-32.0	0-99
	6-60	20-40	---	7.4 - 9.6	1-10	1-15	0.0-32.0	0-99
1350:								
Calpeak	0-2	5.0-15	---	7.4 - 8.4	1-5	0	0.0-2.0	0-2
	2-5	5.0-15	---	7.4 - 8.4	1-5	0	0.0-2.0	0-2
	5-40	---	---	---	---	---	---	---
	40-44	---	---	---	---	---	---	---
Gabbvally	0-2	0.0-5.0	---	6.6 - 7.8	0	0	0.0	0
	2-8	15-25	---	6.6 - 7.8	0	0	0.0	0
	8-12	---	---	---	---	---	---	---
Tejabe	0-1	5.0-15	---	6.6 - 7.3	0	0	0.0	0
	1-9	5.0-15	---	6.6 - 7.3	0	0	0.0	0
	9-13	---	---	---	---	---	---	---
1351:								
Calpeak	0-2	5.0-15	---	7.4 - 8.4	1-5	0	0.0-2.0	0-2
	2-5	5.0-15	---	7.4 - 8.4	1-5	0	0.0-2.0	0-2
	5-40	---	---	---	---	---	---	---
	40-44	---	---	---	---	---	---	---
Goldyke	0-3	5.0-10	---	7.9 - 8.4	1-5	0	0.0-2.0	0-2
	3-6	8.0-15	---	7.9 - 8.4	1-5	0	0.0-2.0	0-2
	6-22	---	---	---	---	---	---	---
	22-26	---	---	---	---	---	---	---
1353:								

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1353:								
Calpeak	0-2	5.0-15	---	7.4 - 8.4	1-5	0	0.0-2.0	0-2
	2-5	5.0-15	---	7.4 - 8.4	1-5	0	0.0-2.0	0-2
	5-40	---	---	---	---	---	---	---
	40-44	---	---	---	---	---	---	---
Goldyke	0-3	5.0-10	---	7.9 - 8.4	1-5	0	0.0-2.0	0-2
	3-6	8.0-15	---	7.9 - 8.4	1-5	0	0.0-2.0	0-2
	6-22	---	---	---	---	---	---	---
	22-26	---	---	---	---	---	---	---
Gabbvally	0-2	10-20	---	6.6 - 7.8	0	0	0.0	0
	2-8	15-25	---	6.6 - 7.8	0	0	0.0	0
	8-12	---	---	---	---	---	---	---
1354:								
Calpeak	0-2	5.0-15	---	7.4 - 8.4	1-5	0	0.0-2.0	0-2
	2-5	5.0-15	---	7.4 - 8.4	1-5	0	0.0-2.0	0-2
	5-40	---	---	---	---	---	---	---
	40-44	---	---	---	---	---	---	---
Lomoine	0-4	5.0-15	---	7.4 - 8.4	1-5	0	0.0-2.0	0
	4-8	5.0-15	---	7.4 - 8.4	1-5	0	0.0-2.0	0
	8-12	---	---	---	---	---	---	---
1361:								
Gabbvally	0-2	0.0-5.0	---	6.6 - 7.8	0	0	0.0	0
	2-8	15-25	---	6.6 - 7.8	0	0	0.0	0
	8-12	---	---	---	---	---	---	---
Tejabe	0-1	5.0-15	---	6.6 - 7.3	0	0	0.0	0
	1-9	5.0-15	---	6.6 - 7.3	0	0	0.0	0
	9-13	---	---	---	---	---	---	---
Mirkwood	0-1	7.0-14	---	6.6 - 7.8	0	0	0.0	0-5
	1-5	18-26	---	6.6 - 7.8	0-1	0	0.0	0-5
	5-9	---	---	---	---	---	---	---
1362:								
Gabbvally	0-2	5.0-20	---	6.6 - 7.8	0	0	0.0	0
	2-8	10-20	---	6.6 - 7.8	0	0	0.0	0
	8-12	---	---	---	---	---	---	---
Gabbvally	0-2	5.0-20	---	6.6 - 7.8	0	0	0.0	0
	2-8	10-20	---	6.6 - 7.8	0	0	0.0	0
	8-12	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1362:								
Stewval	0-1	5.0-13	---	7.4 - 8.4	1-5	0	0.0	0
	1-4	12-20	---	7.4 - 8.4	1-5	0	0.0	0-2
	4-8	---	---	---	---	---	---	---
1363:								
Gabbvally	0-2	10-20	---	6.6 - 7.8	0	0	0.0	0
	2-8	15-25	---	6.6 - 7.8	0	0	0.0	0
	8-12	---	---	---	---	---	---	---
1365:								
Gabbvally	0-2	10-20	---	6.6 - 7.8	0	0	0.0	0
	2-8	15-25	---	6.6 - 7.8	0	0	0.0	0
	8-12	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
1366:								
Gabbvally	0-2	10-20	---	6.6 - 7.8	0	0	0.0	0
	2-8	15-25	---	6.6 - 7.8	0	0	0.0	0
	8-12	---	---	---	---	---	---	---
Beelem	0-1	10-20	---	7.4 - 8.4	1-5	0	0.0-2.0	0-2
	1-4	10-25	---	7.4 - 8.4	1-5	0	0.0-2.0	0-2
	4-7	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
1420:								
Dedmount	0-2	25-30	---	9.1 - 9.6	1-5	0	16.0-32.0	13-45
	2-66	30-40	---	8.5 - 9.6	1-10	0-2	8.0-16.0	13-45
Slaw	0-9	5.0-15	---	8.5 - 9.6	1-4	0	16.0-32.0	13-30
	9-48	20-25	---	8.5 - 9.6	1-4	0	16.0-32.0	1-5
	48-60	5.0-20	---	8.5 - 9.6	1-4	0-5	4.0-8.0	1-5
Playas	0-6	24-35	---	8.5 - 9.6	1-5	1-5	16.0-32.0	46-90
	6-60	30-60	---	8.5 - 9.6	1-10	1-10	16.0-32.0	46-90
1440:								
Slaw	0-9	5.0-15	---	8.5 - 9.6	1-4	0	16.0-32.0	13-30
	9-48	20-25	---	8.5 - 9.6	1-4	0	16.0-32.0	1-5
	48-60	5.0-20	---	8.5 - 9.6	1-4	0-5	4.0-8.0	1-5
Isolde	0-6	1.0-5.0	---	6.6 - 8.4	0-1	0	0.0	0-5
	6-60	1.0-5.0	---	6.6 - 8.4	0-3	0-1	0.0-2.0	0-5
Cirac	0-5	15-30	---	8.5 - 9.6	1-10	0	2.0-4.0	13-30
	5-60	5.0-20	---	8.5 - 9.6	1-10	0	4.0-16.0	13-45

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1440:								
Playas	0-6	24-35	---	8.5 - 9.6	1-5	1-5	16.0-32.0	46-90
	6-60	30-60	---	8.5 - 9.6	1-10	1-10	16.0-32.0	46-90
1441:								
Slaw	0-9	5.0-15	---	8.5 - 9.6	1-4	0	16.0-32.0	13-30
	9-48	20-25	---	8.5 - 9.6	1-4	0	16.0-32.0	1-5
	48-60	5.0-20	---	8.5 - 9.6	1-4	0-5	4.0-8.0	1-5
Playas	0-6	24-35	---	8.5 - 9.6	1-5	1-5	16.0-32.0	46-90
	6-60	30-60	---	8.5 - 9.6	1-10	1-10	16.0-32.0	46-90
1442:								
Slaw	0-9	5.0-15	---	8.5 - 9.6	1-4	0	16.0-32.0	13-30
	9-48	20-25	---	8.5 - 9.6	1-4	0	16.0-32.0	1-5
	48-60	5.0-20	---	8.5 - 9.6	1-4	0-5	4.0-8.0	1-5
Playas	0-6	24-35	---	8.5 - 9.6	1-5	1-5	16.0-32.0	46-90
	6-60	30-60	---	8.5 - 9.6	1-10	1-10	16.0-32.0	46-90
1445:								
Slaw	0-9	10-20	---	6.6 - 7.8	1-4	0	0.0-2.0	0-5
	9-41	20-30	---	6.6 - 7.8	1-4	0	0.0-2.0	0-5
	41-60	3.0-8.0	---	6.6 - 7.8	1-4	0-5	0.0-2.0	0-5
Slaw	0-9	10-20	---	9.1 - 9.6	1-4	0	8.0-16.0	31-45
	9-40	15-30	---	8.5 - 9.6	1-4	0	8.0-16.0	46-60
	40-60	5.0-10	---	8.5 - 9.0	1-4	0-5	4.0-8.0	5-30
Fallon	0-8	4.0-8.0	---	7.9 - 8.4	0-1	0	0.0-2.0	1-5
	8-60	3.0-10	---	8.5 - 9.0	0-5	0	4.0-16.0	1-12
1450:								
Nuyobe	0-6	20-30	---	8.5 - 9.6	10-30	0-4	16.0-32.0	13-30
	6-60	10-20	---	7.9 - 9.0	10-30	0-4	2.0-4.0	1-12
Playas	0-6	24-35	---	8.5 - 9.6	1-5	1-5	16.0-32.0	46-90
	6-60	30-60	---	8.5 - 9.6	1-10	1-10	16.0-32.0	46-90
1451:								
Nuyobe	0-6	20-30	---	8.5 - 9.6	5-20	0-4	16.0-32.0	46-90
	6-60	10-20	---	7.9 - 9.0	10-30	0-4	2.0-4.0	13-45
Slaw	0-9	5.0-15	---	8.5 - 9.6	1-4	0	16.0-32.0	13-30
	9-48	20-25	---	8.5 - 9.6	1-4	0	16.0-32.0	1-5
	48-60	5.0-20	---	8.5 - 9.6	1-4	0-5	4.0-8.0	1-5
1480:								

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1480:								
Fawin	0-5	3.0-10	---	7.4 - 9.0	0	0	0.0-2.0	0-2
	5-11	5.0-20	---	7.4 - 9.0	5-8	0	0.0-2.0	0-2
	11-34	5.0-10	---	7.9 - 9.0	10-15	0	0.0-4.0	0-2
	34-60	0.0-10	---	7.9 - 9.0	1-5	0	0.0-4.0	0-2
Crunker	0-12	0.0-3.0	---	7.9 - 8.4	0	0	0.0-2.0	0
	12-60	3.0-10	---	7.9 - 9.6	1-5	0	0.0-2.0	0-2
1482:								
Fawin	0-5	5.0-10	---	7.4 - 9.0	0	0	0.0-2.0	0-2
	5-11	5.0-20	---	7.4 - 9.0	5-8	0	0.0-2.0	0-2
	11-34	5.0-10	---	7.9 - 9.0	10-15	0	0.0-4.0	0-2
	34-60	0.0-10	---	7.9 - 9.0	1-5	0	0.0-4.0	0-2
Izo	0-8	0.0-8.0	---	7.9 - 9.0	1-10	0	0.0-2.0	0-5
	8-60	0.0-8.0	---	7.9 - 9.0	5-20	0	0.0-4.0	0-5
1483:								
Fawin	0-5	3.0-10	---	7.4 - 9.0	0	0	0.0-2.0	0-2
	5-11	5.0-20	---	7.4 - 9.0	5-8	0	0.0-2.0	0-2
	11-34	5.0-10	---	7.9 - 9.0	10-15	0	0.0-4.0	0-2
	34-60	0.0-10	---	7.9 - 9.0	1-5	0	0.0-4.0	0-2
1490:								
Ratleflat	0-9	5.0-10	---	6.6 - 7.3	0	0	0.0	0
	9-22	5.0-15	---	6.6 - 7.3	0	0	0.0	0
	22-60	2.0-8.0	---	6.6 - 7.8	0	0	0.0-2.0	0-2
Crunker	0-12	0.0-3.0	---	7.9 - 8.4	0	0	0.0-2.0	0
	12-60	3.0-10	---	7.9 - 9.6	1-5	0	0.0-2.0	0-2
1492:								
Ratleflat	0-9	5.0-10	---	6.6 - 7.3	0	0	0.0	0
	9-22	5.0-15	---	6.6 - 7.3	0	0	0.0	0
	22-60	2.0-8.0	---	6.6 - 7.8	0	0	0.0-2.0	0-2
Wiskiflat	0-10	2.0-8.0	---	6.6 - 7.3	0	0	0.0	0
	10-60	2.0-8.0	---	6.6 - 7.8	0	0	0.0-2.0	0
1500:								
Chuckridge	0-2	5.0-15	---	7.4 - 8.4	0-5	0	0.0-2.0	1-5
	2-12	15-30	---	7.4 - 9.0	1-10	0	0.0-2.0	1-5
	12-26	---	---	---	---	---	---	---
	26-60	5.0-15	---	8.5 - 9.6	10-15	0	0.0-2.0	1-5
Crunker	0-12	5.0-10	---	7.9 - 8.4	0	0	0.0-2.0	0
	12-60	3.0-10	---	7.9 - 9.6	1-5	0	0.0-2.0	0-2

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1510:								
Advokay	0-6	10-20	---	7.4 - 8.4	5-15	0	0.0-2.0	0-5
	6-11	15-30	---	7.4 - 8.4	10-20	0	0.0-2.0	0-5
	11-15	---	---	---	---	---	---	---
Budihol	0-3	5.0-15	---	6.6 - 7.3	0	0	0.0	0
	3-7	5.0-15	---	6.6 - 7.3	0	0	0.0	0
	7-21	---	---	---	---	---	---	---
	21-25	---	---	---	---	---	---	---
Pumel	0-2	5.0-15	---	7.9 - 9.0	10-25	0	0.0-2.0	0-5
	2-5	5.0-15	---	7.9 - 9.0	10-25	0	0.0-2.0	0-5
	5-9	---	---	---	---	---	---	---
1511:								
Advokay	0-3	10-20	---	7.4 - 8.4	5-15	0	0.0-2.0	0-5
	3-7	15-30	---	7.4 - 8.4	10-20	0	0.0-2.0	0-5
	7-11	---	---	---	---	---	---	---
1530:								
Dakent	0-3	5.0-15	---	7.9 - 8.4	1-5	0	0.0-2.0	0
	3-11	5.0-15	---	7.9 - 9.0	1-5	0	0.0-2.0	0
	11-34	5.0-10	---	7.9 - 9.0	10-20	0	2.0-4.0	0-2
	34-60	0.0-3.0	---	7.9 - 9.0	25-35	0	2.0-4.0	0-2
Crunker	0-12	5.0-10	---	7.9 - 8.4	0	0	0.0-2.0	0
	12-60	3.0-10	---	7.9 - 9.6	1-5	0	0.0-2.0	0-2
1540:								
Beano	0-7	5.0-15	---	7.9 - 9.0	0-5	0	2.0-4.0	0-12
	7-18	15-30	---	7.9 - 9.6	10-20	0	2.0-4.0	1-12
	18-35	---	---	---	---	---	---	---
	35-60	10-25	---	8.5 - 9.6	15-30	0	2.0-4.0	0-12
Annaw	0-2	5.0-10	---	7.9 - 9.0	1-5	0	0.0-2.0	0-12
	2-11	5.0-10	---	7.9 - 9.0	1-5	0	0.0-2.0	0-12
	11-60	0.0-5.0	---	7.9 - 9.0	10-20	0	0.0-4.0	0-12
1551:								
Typic Torriorthents	0-6	5.0-10	---	7.9 - 9.0	0-5	0	0.0-2.0	1-5
	6-60	5.0-20	---	7.9 - 9.0	0-5	0	0.0-2.0	1-12
Unsel	0-4	10-15	---	7.9 - 9.0	0-15	0	0.0-2.0	0-12
	4-10	16-22	---	7.4 - 9.0	1-15	0	0.0-2.0	1-12
	10-31	5.0-20	---	8.5 - 9.0	10-20	0	4.0-8.0	1-12
	31-60	0.0-5.0	---	8.5 - 9.0	10-20	0	4.0-8.0	13-30
1570:								

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1570:								
Budihol	0-2	5.0-15	---	6.6 - 7.3	0	0	0.0	0
	2-10	5.0-15	---	6.6 - 7.3	0	0	0.0	0
	10-21	---	---	---	---	---	---	---
	21-25	---	---	---	---	---	---	---
Uripnes	0-4	6.0-12	---	6.1 - 7.8	0	0	0.0	0
	4-21	---	---	---	---	---	---	---
	21-25	---	---	---	---	---	---	---
Petspring	0-1	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	1-3	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	3-7	---	---	---	---	---	---	---
1580:								
Rockabin	0-8	10-20	---	6.1 - 7.3	0	0	0.0	0
	8-21	5.0-15	---	6.6 - 7.3	0	0	0.0	0
	21-25	---	---	---	---	---	---	---
Hiridge	0-4	5.0-20	---	6.6 - 7.8	0	0	0.0-2.0	0-2
	4-18	15-35	---	6.6 - 7.8	0	0	0.0-2.0	0-2
	18-23	---	---	---	---	---	---	---
	23-27	---	---	---	---	---	---	---
1590:								
Snopoc	0-17	10-20	---	6.1 - 7.3	0	0	0.0	0
	17-60	5.0-15	---	6.1 - 7.3	0	0	0.0	0
Rockabin	0-8	10-20	---	6.1 - 7.3	0	0	0.0	0
	8-21	5.0-15	---	6.6 - 7.3	0	0	0.0	0
	21-25	---	---	---	---	---	---	---
Fusuvar	0-2	10-20	---	5.6 - 7.3	0	0	0.0	0
	2-14	10-20	---	6.1 - 7.3	0	0	0.0	0
	14-18	---	---	---	---	---	---	---
1591:								
Snopoc	0-17	10-20	---	6.1 - 7.3	0	0	0.0	0
	17-60	5.0-15	---	6.1 - 7.3	0	0	0.0	0
Rockabin	0-8	10-20	---	6.1 - 7.3	0	0	0.0	0
	8-21	5.0-15	---	6.6 - 7.3	0	0	0.0	0
	21-25	---	---	---	---	---	---	---
Hiridge	0-4	5.0-20	---	6.6 - 7.8	0	0	0.0-2.0	0-2
	4-18	15-35	---	6.6 - 7.8	0	0	0.0-2.0	0-2
	18-23	---	---	---	---	---	---	---
	23-27	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1600:								
Nupart	0-2	4.0-14	---	6.6 - 7.3	0	0	0.0	0
	2-5	4.0-12	---	6.6 - 7.3	0	0	0.0	0
	5-9	---	---	---	---	---	---	---
Lazan	0-1	2.0-8.0	---	6.6 - 7.8	0-5	0	0.0-2.0	0-2
	1-4	2.0-8.0	---	6.6 - 7.8	0-5	0	0.0-2.0	0-2
	4-8	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
1601:								
Nupart	0-2	8.0-18	---	6.6 - 7.3	0	0	0.0	0
	2-5	4.0-12	---	6.6 - 7.3	0	0	0.0	0
	5-9	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
1632:								
Annaw	0-2	2.0-5.0	---	7.9 - 9.0	1-5	0	0.0-2.0	0-12
	2-11	5.0-10	---	7.9 - 9.0	1-5	0	0.0-2.0	0-12
	11-60	0.0-5.0	---	7.9 - 9.0	10-20	0	0.0-4.0	0-12
Pintwater	0-6	5.0-15	---	7.9 - 9.0	1-5	0	0.0-2.0	0-5
	6-11	5.0-15	---	7.9 - 9.0	5-20	0	0.0-4.0	0-5
	11-15	---	---	---	---	---	---	---
Wardenot	0-5	1.0-5.0	---	7.4 - 9.0	1-5	0	0.0-4.0	1-12
	5-60	3.0-8.0	---	7.4 - 9.0	1-5	0	0.0-4.0	1-12
1641:								
Unsel	0-5	10-15	---	7.9 - 9.0	0-15	0	0.0-2.0	0-12
	5-11	16-22	---	7.4 - 9.0	1-15	0	0.0-2.0	1-12
	11-30	5.0-20	---	8.5 - 9.0	10-20	0	4.0-8.0	1-12
	30-60	0.0-5.0	---	8.5 - 9.0	10-20	0	4.0-8.0	13-30
Annaw	0-2	5.0-10	---	7.9 - 9.0	1-5	0	0.0-2.0	0-12
	2-11	5.0-10	---	7.9 - 9.0	1-5	0	0.0-2.0	0-12
	11-60	0.0-5.0	---	7.9 - 9.0	10-20	0	0.0-4.0	0-12
1643:								
Unsel	0-4	10-15	---	7.9 - 9.0	0-15	0	0.0-2.0	0-12
	4-10	16-22	---	7.4 - 9.0	1-15	0	0.0-2.0	1-12
	10-31	5.0-20	---	8.5 - 9.0	10-20	0	4.0-8.0	1-12
	31-60	0.0-5.0	---	8.5 - 9.0	10-20	0	4.0-8.0	13-30
Annaw	0-2	5.0-10	---	7.9 - 9.0	1-5	0	0.0-2.0	0-12
	2-11	5.0-10	---	7.9 - 9.0	1-5	0	0.0-2.0	0-12
	11-60	0.0-5.0	---	7.9 - 9.0	10-20	0	0.0-4.0	0-12

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1643:								
Izo	0-8	0.0-8.0	---	7.9 - 9.0	1-10	0	0.0-2.0	0-5
	8-60	0.0-8.0	---	7.9 - 9.0	5-20	0	0.0-4.0	0-5
1670:								
Bouncer	0-3	15-35	---	6.6 - 7.3	0	0	0.0	0
	3-10	30-40	---	6.6 - 7.3	0	0	0.0	0
	10-21	---	---	---	---	---	---	---
	21-25	---	---	---	---	---	---	---
1680:								
Lazan	0-1	2.0-8.0	---	6.6 - 7.8	0-5	0	0.0-2.0	0-2
	1-4	2.0-8.0	---	6.6 - 7.8	0-5	0	0.0-2.0	0-2
	4-8	---	---	---	---	---	---	---
Lazan	0-1	2.0-8.0	---	6.6 - 7.8	0-5	0	0.0-2.0	0-2
	1-4	2.0-8.0	---	6.6 - 7.8	0-5	0	0.0-2.0	0-2
	4-8	---	---	---	---	---	---	---
Nupart	0-2	4.0-14	---	6.6 - 7.3	0	0	0.0	0
	2-5	4.0-12	---	6.6 - 7.3	0	0	0.0	0
	5-9	---	---	---	---	---	---	---
1691:								
Crunkvar	0-10	2.0-10	---	6.1 - 7.3	0	0	0.0	0
	10-60	2.0-10	---	6.6 - 7.3	0	0	0.0	0
Lazan	0-1	2.0-8.0	---	6.6 - 7.8	0-5	0	0.0-2.0	0-2
	1-4	2.0-8.0	---	6.6 - 7.8	0-5	0	0.0-2.0	0-2
	4-8	---	---	---	---	---	---	---
1700:								
Granmount	0-10	10-20	---	6.1 - 7.3	0	0	0.0	0
	10-33	35-45	---	6.1 - 7.3	0	0	0.0	0
	33-60	25-35	---	6.1 - 7.3	0	0	0.0	0
Kiote	0-8	15-25	---	6.6 - 7.3	0	0	0.0-2.0	0-2
	8-18	10-20	---	6.6 - 7.3	0	0	0.0-2.0	0-2
	18-38	15-20	---	6.6 - 7.3	0	0	0.0-2.0	0-2
	38-60	5.0-20	---	6.6 - 7.3	0	0	0.0-2.0	0-2
Hiridge	0-4	5.0-20	---	6.6 - 7.8	0	0	0.0-2.0	0-2
	4-18	15-35	---	6.6 - 7.8	0	0	0.0-2.0	0-2
	18-23	---	---	---	---	---	---	---
	23-27	---	---	---	---	---	---	---
1710:								

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1710:								
Troutville Variant	0-4	10-20	---	6.6 - 7.3	0	0	0.0	0
	4-20	10-20	---	6.1 - 7.3	0	0	0.0	0
	20-45	10-20	---	6.1 - 7.3	0	0	0.0	0
	45-60	10-20	---	6.6 - 7.3	0	0	0.0	0
1730:								
Bijorja	0-4	2.0-10	---	6.6 - 7.8	0	0	0.0	0
	4-30	5.0-15	---	7.4 - 8.4	0-10	0	0.0-2.0	0
	30-34	---	---	---	---	---	---	---
Petspring	0-1	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	1-3	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	3-7	---	---	---	---	---	---	---
1750:								
Wedlar	0-6	10-17	---	6.1 - 7.3	0	0	0.0	0
	6-14	10-15	---	6.6 - 7.8	0	0	0.0	0
	14-37	21-29	---	6.6 - 7.8	0	0	0.0	0
	37-60	3.0-15	---	6.6 - 8.4	0-5	0	0.0-2.0	0-5
Tert	0-3	15-25	---	7.9 - 8.4	1-10	0	0.0-2.0	0
	3-7	---	---	---	---	---	---	---
1753:								
Wedlar	0-5	2.0-8.0	---	6.1 - 7.3	0	0	0.0	0
	5-11	10-15	---	6.6 - 7.8	0	0	0.0	0
	11-31	25-35	---	6.6 - 7.8	1-10	0	0.0	0
	31-60	3.0-15	---	6.6 - 8.4	1-10	0	0.0-2.0	0-2
1780:								
Borealis	0-11	10-20	---	6.6 - 7.8	0	0	0.0-2.0	0
	11-23	30-40	---	6.6 - 7.8	0	0	0.0-2.0	0
	23-40	---	---	---	---	---	---	---
	40-44	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
1781:								
Borealis	0-11	10-20	---	6.6 - 7.8	0	0	0.0-2.0	0
	11-23	30-40	---	6.6 - 7.8	0	0	0.0-2.0	0
	23-40	---	---	---	---	---	---	---
	40-44	---	---	---	---	---	---	---
Antholop	0-6	10-20	---	6.6 - 7.8	0	0	0.0-2.0	0
	6-16	45-60	---	7.9 - 9.0	0-3	0	0.0-2.0	0-5
	16-60	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1781:								
1782:								
Borealis	0-11	10-20	---	6.6 - 7.8	0	0	0.0-2.0	0
	11-23	30-40	---	6.6 - 7.8	0	0	0.0-2.0	0
	23-40	---	---	---	---	---	---	---
	40-44	---	---	---	---	---	---	---
Mopana	0-4	10-15	---	6.6 - 7.3	0	0	0.0	0
	4-8	15-20	---	6.6 - 7.3	0	0	0.0	0
	8-19	30-50	---	6.6 - 7.8	0-2	0	0.0-2.0	0
	19-60	---	---	---	---	---	---	---
1783:								
Borealis	0-11	10-20	---	6.6 - 7.8	0	0	0.0-2.0	0
	11-23	30-40	---	6.6 - 7.8	0	0	0.0-2.0	0
	23-40	---	---	---	---	---	---	---
	40-44	---	---	---	---	---	---	---
Itca	0-2	11-25	---	6.6 - 7.8	0	0	0.0	0
	2-18	23-38	---	6.6 - 8.4	0	0	0.0-2.0	0
	18-22	---	---	---	---	---	---	---
1790:								
Antholop	0-6	10-20	---	6.6 - 7.8	0	0	0.0-2.0	0
	6-16	45-60	---	7.9 - 9.0	0-3	0	0.0-2.0	0-5
	16-60	---	---	---	---	---	---	---
Wedlar	0-5	2.0-8.0	---	6.1 - 7.3	0	0	0.0	0
	5-11	10-15	---	6.6 - 7.8	0	0	0.0	0
	11-31	25-35	---	6.6 - 7.8	1-10	0	0.0	0
	31-60	3.0-15	---	6.6 - 8.4	1-10	0	0.0-2.0	0-2
1820:								
Lomoine	0-4	5.0-15	---	7.4 - 8.4	1-5	0	0.0-2.0	0
	4-8	5.0-15	---	7.4 - 8.4	1-5	0	0.0-2.0	0
	8-12	---	---	---	---	---	---	---
Petspring	0-1	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	1-3	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	3-7	---	---	---	---	---	---	---
Uripnes	0-4	6.0-12	---	6.1 - 7.8	0	0	0.0	0
	4-21	---	---	---	---	---	---	---
	21-25	---	---	---	---	---	---	---
1821:								

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1821:								
Lomoine	0-4	5.0-15	---	7.4 - 8.4	1-5	0	0.0-2.0	0
	4-8	5.0-15	---	7.4 - 8.4	1-5	0	0.0-2.0	0
	8-12	---	---	---	---	---	---	---
Budihol	0-3	5.0-15	---	6.6 - 7.3	0	0	0.0	0
	3-7	5.0-15	---	6.6 - 7.3	0	0	0.0	0
	7-21	---	---	---	---	---	---	---
	21-25	---	---	---	---	---	---	---
Kyler	0-3	5.0-15	---	7.9 - 9.0	30-40	0	0.0-2.0	0-5
	3-7	5.0-15	---	7.9 - 9.0	30-40	0	0.0-2.0	0-5
	7-11	---	---	---	---	---	---	---
1822:								
Kyler	0-3	5.0-15	---	7.9 - 9.0	30-40	0	0.0-2.0	0-5
	3-7	5.0-15	---	7.9 - 9.0	30-40	0	0.0-2.0	0-5
	7-11	---	---	---	---	---	---	---
Lomoine	0-2	5.0-15	---	7.4 - 8.4	1-5	0	0.0-2.0	0
	2-6	5.0-15	---	7.4 - 8.4	1-5	0	0.0-2.0	0
	6-10	---	---	---	---	---	---	---
Petspring	0-1	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	1-3	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	3-7	---	---	---	---	---	---	---
1825:								
Beelem	0-1	10-20	---	7.4 - 8.4	1-5	0	0.0-2.0	0-2
	1-4	10-25	---	7.4 - 8.4	1-5	0	0.0-2.0	0-2
	4-7	---	---	---	---	---	---	---
Lomoine	0-4	5.0-15	---	7.4 - 8.4	1-5	0	0.0-2.0	0
	4-8	5.0-15	---	7.4 - 8.4	1-5	0	0.0-2.0	0
	8-12	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
1840:								
Kyler	0-3	5.0-15	---	7.9 - 9.0	30-40	0	0.0-2.0	0-5
	3-7	5.0-15	---	7.9 - 9.0	30-40	0	0.0-2.0	0-5
	7-11	---	---	---	---	---	---	---
Gabbvally	0-2	5.0-20	---	6.6 - 7.8	0	0	0.0	0
	2-8	10-20	---	6.6 - 7.8	0	0	0.0	0
	8-12	---	---	---	---	---	---	---
1842:								

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1842:								
Kyler	0-3	5.0-15	---	7.9 - 9.0	30-40	0	0.0-2.0	0-5
	3-7	5.0-15	---	7.9 - 9.0	30-40	0	0.0-2.0	0-5
	7-11	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
1843:								
Kyler	0-3	5.0-15	---	7.9 - 9.0	30-40	0	0.0-2.0	0-5
	3-7	5.0-15	---	7.9 - 9.0	30-40	0	0.0-2.0	0-5
	7-11	---	---	---	---	---	---	---
Logring	0-3	5.0-15	---	7.9 - 9.0	15-30	0	0.0-4.0	0-5
	3-13	5.0-15	---	7.9 - 9.0	15-30	0	0.0-4.0	0-5
	13-17	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
1844:								
Kyler	0-3	5.0-15	---	7.9 - 9.0	30-40	0	0.0-2.0	0-5
	3-7	5.0-15	---	7.9 - 9.0	30-40	0	0.0-2.0	0-5
	7-11	---	---	---	---	---	---	---
1860:								
Venable Family	0-15	10-15	---	6.1 - 7.3	0	0	0.0	0
	15-60	15-30	---	6.1 - 7.3	0	0	0.0	0
1870:								
Luning	0-4	1.0-7.0	---	7.4 - 9.0	1-10	0	0.0-2.0	1-5
	4-60	1.0-7.0	---	7.9 - 9.0	1-10	0	0.0-4.0	5-12
Sundown	0-3	3.0-8.0	---	7.9 - 9.0	1-5	0	0.0-2.0	0-2
	3-60	3.0-8.0	---	7.9 - 9.0	1-5	0	0.0-2.0	0-2
1871:								
Luning	0-4	5.0-10	---	7.4 - 9.0	1-10	0	0.0-4.0	1-5
	4-60	1.0-7.0	---	7.9 - 9.0	1-10	0	0.0-4.0	5-12
1875:								
Luning	0-4	1.0-5.0	---	7.9 - 9.0	1-10	0	0.0-2.0	1-5
	4-60	1.0-7.0	---	7.9 - 9.0	1-10	0	0.0-4.0	5-12
Hawsley	0-8	3.0-10	---	6.6 - 8.4	0	0	0.0	0
	8-42	1.0-5.0	---	7.4 - 9.0	1-5	0	0.0-2.0	1-5
	42-60	1.0-5.0	---	7.4 - 9.0	1-5	0	0.0-2.0	2-9
Bluewing	0-9	4.0-9.0	---	7.9 - 9.0	0-5	0	0.0-2.0	1-12
	9-60	1.0-5.0	---	7.9 - 9.0	5-15	0-1	0.0-4.0	1-12

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1875:								
1877:								
Luning	0-6	1.0-5.0	---	7.9 - 9.0	1-10	0	0.0-2.0	1-5
	6-35	1.0-5.0	---	7.9 - 9.0	1-10	0	0.0-2.0	1-5
	35-60	1.0-5.0	---	7.9 - 9.6	1-10	0	0.0-4.0	5-12
Izo	0-8	0.0-8.0	---	7.9 - 9.0	1-10	0	0.0-2.0	0-5
	8-60	0.0-8.0	---	7.9 - 9.0	5-20	0	0.0-4.0	0-5
1878:								
Luning	0-6	1.0-5.0	---	7.9 - 9.0	1-10	0	0.0-2.0	1-5
	6-35	1.0-5.0	---	7.9 - 9.0	1-10	0	0.0-2.0	1-5
	35-60	1.0-5.0	---	7.9 - 9.6	1-10	0	0.0-4.0	5-12
Oricto	0-3	0.0-5.0	---	8.5 - 9.6	5-25	0	4.0-8.0	1-12
	3-8	10-25	---	8.5 - 9.6	10-30	0	4.0-8.0	6-12
	8-14	10-25	---	8.5 - 9.6	10-30	0	8.0-16.0	13-90
	14-60	5.0-15	---	8.5 - 9.6	10-30	0-1	8.0-16.0	13-90
1879:								
Luning	0-6	1.0-5.0	---	7.9 - 9.0	1-10	0	0.0-2.0	1-5
	6-35	1.0-5.0	---	7.9 - 9.0	1-10	0	0.0-2.0	1-5
	35-60	1.0-5.0	---	7.9 - 9.6	1-10	0	0.0-4.0	5-12
Eastgate	0-2	0.0-5.0	---	7.9 - 9.0	1-5	0	0.0-2.0	0-5
	2-14	5.0-10	---	7.9 - 9.0	0-5	0	0.0-2.0	0-5
	14-31	0.0-5.0	---	8.5 - 9.6	5-10	0	0.0-4.0	0-5
	31-60	0.0-5.0	---	8.5 - 9.6	5-10	0	0.0-4.0	0-5
1890:								
Wardenot	0-5	4.0-10	---	7.4 - 9.0	1-5	0	0.0-4.0	1-12
	5-60	3.0-8.0	---	7.4 - 9.0	1-5	0	0.0-4.0	1-12
Wardenot	0-5	4.0-10	---	7.4 - 9.0	1-5	0	0.0-4.0	1-12
	5-60	3.0-8.0	---	7.4 - 9.0	1-5	0	0.0-4.0	1-12
Izo	0-8	0.0-4.0	---	7.9 - 9.0	0-5	0	0.0-2.0	0-5
	8-60	0.0-4.0	---	7.9 - 9.0	0-5	0	0.0-4.0	0-5
1891:								
Wardenot	0-5	1.0-5.0	---	7.4 - 9.0	1-5	0	0.0-4.0	1-12
	5-60	3.0-8.0	---	7.4 - 9.0	1-5	0	0.0-4.0	1-12
Izo	0-8	0.0-8.0	---	7.9 - 9.0	1-10	0	0.0-2.0	0-5
	8-60	0.0-8.0	---	7.9 - 9.0	5-20	0	0.0-4.0	0-5
1892:								

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1892:								
Wardenot	0-4	1.0-5.0	---	7.4 - 9.0	1-5	0	0.0-4.0	1-12
	4-60	3.0-8.0	---	7.4 - 9.0	1-5	0	0.0-4.0	1-12
Izo	0-8	0.0-8.0	---	7.9 - 9.0	1-10	0	0.0-2.0	0-5
	8-60	0.0-8.0	---	7.9 - 9.0	5-20	0	0.0-4.0	0-5
1893:								
Wardenot	0-5	1.0-5.0	---	7.4 - 9.0	1-5	0	0.0-4.0	1-12
	5-60	3.0-8.0	---	7.4 - 9.0	1-5	0	0.0-4.0	1-12
Annaw	0-2	2.0-5.0	---	7.9 - 9.0	1-5	0	0.0-2.0	0-12
	2-11	5.0-10	---	7.9 - 9.0	1-5	0	0.0-2.0	0-12
	11-60	0.0-5.0	---	7.9 - 9.0	10-20	0	0.0-4.0	0-12
Izo	0-8	0.0-8.0	---	7.9 - 9.0	1-10	0	0.0-2.0	0-5
	8-60	0.0-8.0	---	7.9 - 9.0	5-20	0	0.0-4.0	0-5
1894:								
Wardenot	0-5	1.0-5.0	---	7.4 - 9.0	1-5	0	0.0-4.0	1-12
	5-60	3.0-8.0	---	7.4 - 9.0	1-5	0	0.0-4.0	1-12
Truhoy	0-2	8.0-15	---	7.9 - 9.0	1-5	0	0.0-2.0	0-5
	2-11	8.0-15	---	7.9 - 9.0	1-10	0	0.0-2.0	0-5
	11-17	---	---	---	---	---	---	---
	17-60	1.0-5.0	---	8.5 - 9.6	5-10	0	0.0-2.0	0-5
Izo	0-8	0.0-8.0	---	7.9 - 9.0	1-10	0	0.0-2.0	0-5
	8-60	0.0-8.0	---	7.9 - 9.0	5-20	0	0.0-4.0	0-5
1897:								
Wardenot	0-5	1.0-5.0	---	7.4 - 9.0	1-5	0	0.0-4.0	1-12
	5-60	3.0-8.0	---	7.4 - 9.0	1-5	0	0.0-4.0	1-12
Stumble	0-12	2.0-8.0	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	12-18	2.0-8.0	---	7.9 - 8.4	1-5	0	0.0-4.0	0-5
	18-60	2.0-8.0	---	7.9 - 9.0	1-5	0	0.0-8.0	0-5
Izo	0-8	0.0-8.0	---	7.9 - 9.0	1-10	0	0.0-2.0	0-5
	8-60	0.0-8.0	---	7.9 - 9.0	5-20	0	0.0-4.0	0-5
1910:								
Izo	0-8	0.0-4.0	---	7.9 - 9.0	0-5	0	0.0-2.0	0-5
	8-60	0.0-4.0	---	7.9 - 9.0	0-5	0	0.0-4.0	0-5
Izo	0-3	1.0-7.0	---	7.9 - 9.0	1-10	0	0.0-2.0	0-5
	3-60	0.0-4.0	---	7.9 - 9.0	5-20	0	0.0-4.0	0-5
1930:								

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1930:								
Cirac	0-5	5.0-20	---	8.5 - 9.6	1-10	0	2.0-4.0	13-30
	5-60	5.0-20	---	8.5 - 9.6	1-10	0	4.0-16.0	13-45
1931:								
Cirac	0-5	5.0-20	---	8.5 - 9.6	1-10	0	2.0-4.0	13-30
	5-60	5.0-20	---	8.5 - 9.6	1-10	0	4.0-16.0	13-45
Haplaquolls	0-20	20-30	---	7.9 - 9.6	1-5	0	16.0-32.0	46-90
	20-60	20-30	---	7.9 - 9.0	1-5	0	4.0-8.0	13-30
1940:								
Typic Torriorthents	0-6	2.0-5.0	---	7.9 - 9.0	0-5	0	0.0-2.0	1-5
	6-60	5.0-20	---	7.9 - 9.0	0-5	0	0.0-2.0	1-12
1950:								
Lathrop	0-5	5.0-15	---	7.9 - 9.0	1-15	0	0.0-2.0	0-5
	5-13	15-25	---	7.4 - 9.0	0-20	0	0.0-2.0	0-5
	13-25	0.0-3.0	---	7.9 - 9.6	10-25	0	0.0-4.0	0-12
	25-60	0.0-2.0	---	7.9 - 9.6	0-10	0	0.0-4.0	0-12
Terlco	0-2	6.0-10	---	8.5 - 9.0	5-20	0	0.0-2.0	1-12
	2-11	11-22	---	8.5 - 9.6	5-20	0	2.0-8.0	13-30
	11-18	5.0-10	---	8.5 - 9.6	15-30	0	2.0-8.0	31-45
	18-60	2.0-7.0	---	8.5 - 9.6	15-30	0	2.0-8.0	31-45
Izo	0-8	0.0-8.0	---	7.9 - 9.0	1-10	0	0.0-2.0	0-5
	8-60	0.0-8.0	---	7.9 - 9.0	5-20	0	0.0-4.0	0-5
1951:								
Lathrop	0-3	5.0-15	---	7.9 - 9.0	1-15	0	0.0-2.0	0-5
	3-13	15-25	---	7.4 - 9.0	0-20	0	0.0-2.0	0-5
	13-32	0.0-3.0	---	7.9 - 9.6	10-25	0	0.0-4.0	0-12
	32-60	0.0-2.0	---	7.9 - 9.6	0-10	0	0.0-4.0	0-12
Belted	0-2	10-15	---	7.9 - 9.0	1-5	0	4.0-8.0	0-5
	2-7	15-25	---	7.9 - 9.0	1-5	0	4.0-16.0	1-12
	7-31	---	---	---	---	---	---	---
	31-60	0.0-5.0	---	7.9 - 9.0	0-5	0	2.0-8.0	0-5
Veet	0-5	5.0-15	---	7.4 - 8.4	0-5	0	0.0-2.0	0-5
	5-20	5.0-15	---	7.4 - 9.0	0-5	0	0.0-2.0	0-5
	20-60	2.0-8.0	---	7.9 - 9.0	10-20	0	0.0-2.0	0-5
1970:								
Pintwater	0-6	5.0-15	---	7.9 - 9.0	1-5	0	0.0-2.0	0-5
	6-11	5.0-15	---	7.9 - 9.0	5-20	0	0.0-4.0	0-5
	11-15	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1970:								
Blacktop	0-7	5.0-10	---	7.4 - 8.4	0	0	0.0-4.0	0
	7-11	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
1972:								
Pintwater	0-6	5.0-10	---	7.9 - 9.0	1-5	0	0.0-2.0	0-5
	6-11	5.0-15	---	7.9 - 9.0	5-20	0	0.0-4.0	0-5
	11-15	---	---	---	---	---	---	---
Terlco	0-2	6.0-10	---	8.5 - 9.0	5-20	0	0.0-2.0	1-12
	2-11	11-22	---	8.5 - 9.6	5-20	0	2.0-8.0	13-30
	11-18	5.0-10	---	8.5 - 9.6	15-30	0	2.0-8.0	31-45
	18-60	2.0-7.0	---	8.5 - 9.6	15-30	0	2.0-8.0	31-45
1980:								
Tert	0-3	15-25	---	7.9 - 8.4	1-10	0	0.0-2.0	0
	3-7	---	---	---	---	---	---	---
Whilphang	0-1	5.0-15	---	7.9 - 9.0	5-10	0	0.0-4.0	0-5
	1-11	5.0-15	---	7.9 - 9.0	5-10	0	0.0-4.0	0-5
	11-15	---	---	---	---	---	---	---
Armespan	0-1	5.0-15	---	7.9 - 9.0	5-10	0	2.0-4.0	1-5
	1-9	5.0-15	---	7.9 - 9.0	5-10	0	2.0-4.0	1-5
	9-19	5.0-15	---	7.9 - 9.0	5-10	0	8.0-16.0	1-5
	19-31	5.0-15	---	7.9 - 9.0	10-35	0	8.0-16.0	5-12
	31-60	1.0-10	---	7.9 - 9.0	10-35	0	2.0-4.0	5-12
1981:								
Tert	0-3	15-25	---	7.9 - 8.4	1-10	0	0.0-2.0	0
	3-7	---	---	---	---	---	---	---
Whilphang	0-1	5.0-15	---	7.9 - 9.0	5-10	0	0.0-4.0	0-5
	1-11	5.0-15	---	7.9 - 9.0	5-10	0	0.0-4.0	0-5
	11-15	---	---	---	---	---	---	---
Geer	0-14	5.0-20	---	7.9 - 8.4	1-5	0	0.0-2.0	1-12
	14-60	5.0-25	---	7.9 - 9.6	5-10	0	0.0-2.0	1-12
1982:								
Tert	0-3	15-25	---	7.9 - 8.4	1-10	0	0.0-2.0	0
	3-7	---	---	---	---	---	---	---
Badland	0-2	15-60	---	7.4 - 9.6	1-40	0-5	0.0-32.0	0-99
	2-60	---	---	---	---	---	---	---
1983:								

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1983:								
Tert	0-3	15-25	---	7.9 - 8.4	1-10	0	0.0-2.0	0
	3-7	---	---	---	---	---	---	---
Roic	0-2	5.0-15	---	7.9 - 9.0	0-10	0	0.0-2.0	0-5
	2-5	5.0-15	---	7.9 - 9.0	0-10	0	0.0-2.0	0-5
	5-9	---	---	---	---	---	---	---
1990:								
Whilphang	0-1	5.0-15	---	7.9 - 9.0	5-10	0	0.0-4.0	0-5
	1-11	5.0-15	---	7.9 - 9.0	5-10	0	0.0-4.0	0-5
	11-15	---	---	---	---	---	---	---
Armespan	0-1	5.0-15	---	7.9 - 9.0	5-10	0	2.0-4.0	1-5
	1-9	5.0-15	---	7.9 - 9.0	5-10	0	2.0-4.0	1-5
	9-19	5.0-15	---	7.9 - 9.0	5-10	0	8.0-16.0	1-5
	19-31	5.0-15	---	7.9 - 9.0	10-35	0	8.0-16.0	5-12
	31-60	1.0-10	---	7.9 - 9.0	10-35	0	2.0-4.0	5-12
2002:								
Sodaspring	0-7	2.0-8.0	---	7.9 - 9.6	1-10	0	0.0-2.0	0-2
	7-60	5.0-15	---	7.9 - 9.6	10-20	0	4.0-16.0	2-8
Izo	0-8	0.0-8.0	---	7.9 - 9.0	1-10	0	0.0-2.0	0-5
	8-60	0.0-8.0	---	7.9 - 9.0	5-20	0	0.0-4.0	0-5
2011:								
Nuahs	0-4	3.0-8.0	---	7.9 - 8.4	1-5	0	0.0-2.0	1-12
	4-18	5.0-15	---	8.5 - 9.6	5-15	0	0.0-4.0	13-30
	18-60	3.0-10	---	7.9 - 9.0	1-5	0-2	4.0-16.0	13-30
2020:								
Armespan	0-1	5.0-15	---	7.9 - 9.0	5-10	0	2.0-4.0	1-5
	1-9	5.0-15	---	7.9 - 9.0	5-10	0	2.0-4.0	1-5
	9-19	5.0-15	---	7.9 - 9.0	5-10	0	8.0-16.0	1-5
	19-31	5.0-15	---	7.9 - 9.0	10-35	0	8.0-16.0	5-12
	31-60	1.0-10	---	7.9 - 9.0	10-35	0	2.0-4.0	5-12
Whilphang	0-1	5.0-15	---	7.9 - 9.0	5-10	0	0.0-4.0	0-5
	1-11	5.0-15	---	7.9 - 9.0	5-10	0	0.0-4.0	0-5
	11-15	---	---	---	---	---	---	---
Wrango	0-4	2.0-7.0	---	7.4 - 8.4	0-2	0	0.0-2.0	0-2
	4-10	5.0-12	---	7.4 - 8.4	1-10	0	0.0-2.0	0-2
	10-60	2.0-7.0	---	7.4 - 8.4	5-10	0	0.0-2.0	0-2
2022:								

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
2022:								
Armespan	0-1	5.0-15	---	7.9 - 9.0	5-10	0	2.0-4.0	1-5
	1-9	5.0-15	---	7.9 - 9.0	5-10	0	2.0-4.0	1-5
	9-19	5.0-15	---	7.9 - 9.0	5-10	0	8.0-16.0	1-5
	19-31	5.0-15	---	7.9 - 9.0	10-35	0	8.0-16.0	5-12
	31-60	1.0-10	---	7.9 - 9.0	10-35	0	2.0-4.0	5-12
Whilphang	0-1	5.0-15	---	7.9 - 9.0	5-10	0	0.0-4.0	0-5
	1-11	5.0-15	---	7.9 - 9.0	5-10	0	0.0-4.0	0-5
	11-15	---	---	---	---	---	---	---
Geer	0-14	5.0-20	---	7.9 - 8.4	1-5	0	0.0-2.0	1-12
	14-60	5.0-25	---	7.9 - 9.6	5-10	0	0.0-2.0	1-12
2023:								
Armespan	0-1	5.0-15	---	7.9 - 9.0	5-10	0	2.0-4.0	1-5
	1-9	5.0-15	---	7.9 - 9.0	5-10	0	2.0-4.0	1-5
	9-19	5.0-15	---	7.9 - 9.0	5-10	0	8.0-16.0	1-5
	19-31	5.0-15	---	7.9 - 9.0	10-35	0	8.0-16.0	5-12
	31-60	1.0-10	---	7.9 - 9.0	10-35	0	2.0-4.0	5-12
Wrango	0-3	1.0-8.0	---	7.4 - 8.4	0-1	0	0.0-2.0	0-2
	3-10	5.0-10	---	7.4 - 8.4	1-5	0	0.0-2.0	0-2
	10-60	1.0-8.0	---	7.4 - 8.4	1-5	0	0.0-2.0	0-5
2030:								
Theriot	0-3	3.0-10	---	7.9 - 9.0	15-40	0	0.0-2.0	0-12
	3-14	3.0-8.0	---	7.9 - 9.0	20-40	0	0.0-4.0	0-12
	14-18	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
Theriot	0-3	3.0-10	---	7.9 - 9.0	15-40	0	0.0-2.0	0-12
	3-14	3.0-8.0	---	7.9 - 9.0	20-40	0	0.0-4.0	0-12
	14-18	---	---	---	---	---	---	---
2031:								
Theriot	0-3	3.0-10	---	7.9 - 9.0	15-40	0	0.0-2.0	0-12
	3-10	3.0-8.0	---	7.9 - 9.0	20-40	0	0.0-4.0	0-12
	10-14	---	---	---	---	---	---	---
Eaglepass	0-1	5.0-15	---	7.9 - 9.0	15-30	0	0.0-2.0	0-5
	1-4	5.0-15	---	7.9 - 9.0	15-30	0	0.0-2.0	0-5
	4-7	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
2032:								

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
2032:								
Theriot	0-3	3.0-10	---	7.9 - 9.0	15-40	0	0.0-2.0	0-12
	3-14	3.0-8.0	---	7.9 - 9.0	20-40	0	0.0-4.0	0-12
	14-18	---	---	---	---	---	---	---
Kyler	0-3	5.0-15	---	7.9 - 9.0	30-40	0	0.0-2.0	0-5
	3-7	5.0-15	---	7.9 - 9.0	30-40	0	0.0-2.0	0-5
	7-11	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
2080:								
Roic	0-2	5.0-15	---	7.9 - 9.0	0-10	0	0.0-2.0	0-5
	2-5	5.0-15	---	7.9 - 9.0	0-10	0	0.0-2.0	0-5
	5-9	---	---	---	---	---	---	---
Roic	0-2	5.0-15	---	7.9 - 9.0	0-10	0	0.0-2.0	0-5
	2-5	5.0-15	---	7.9 - 9.0	0-10	0	0.0-2.0	0-5
	5-9	---	---	---	---	---	---	---
2081:								
Roic	0-3	2.0-10	---	7.9 - 9.0	0-10	0	0.0-2.0	0-5
	3-10	10-15	---	7.9 - 9.0	0-10	0	0.0-2.0	0-5
	10-14	---	---	---	---	---	---	---
Roic	0-2	5.0-15	---	7.9 - 9.0	0-10	0	0.0-2.0	0-5
	2-5	5.0-15	---	7.9 - 9.0	0-10	0	0.0-2.0	0-5
	5-9	---	---	---	---	---	---	---
Badland	0-6	20-40	---	7.4 - 9.6	1-5	1-10	0.0-32.0	0-99
	6-60	20-40	---	7.4 - 9.6	1-10	1-15	0.0-32.0	0-99
2082:								
Roic	0-2	5.0-15	---	7.9 - 9.0	0-10	0	0.0-2.0	0-5
	2-5	5.0-15	---	7.9 - 9.0	0-10	0	0.0-2.0	0-5
	5-9	---	---	---	---	---	---	---
Koyen	0-4	3.0-15	---	7.9 - 9.0	0	0	0.0-2.0	0-5
	4-45	5.0-15	---	7.9 - 9.0	5-15	0	0.0-2.0	0-5
	45-60	0.0-8.0	---	7.9 - 9.0	0-8	0-1	0.0-2.0	1-12
2091:								
Geer	0-10	5.0-20	---	7.9 - 8.4	1-5	0	0.0-2.0	1-12
	10-60	5.0-25	---	7.9 - 9.6	5-10	0	0.0-2.0	1-12
Veet	0-3	5.0-10	---	7.4 - 8.4	0-5	0	0.0-2.0	0-5
	3-17	5.0-15	---	7.4 - 9.0	0-5	0	0.0-2.0	0-5
	17-60	2.0-8.0	---	7.9 - 9.0	10-20	0	0.0-2.0	0-5

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
2092:								
Geer	0-14	5.0-20	---	7.9 - 8.4	1-5	0	0.0-2.0	1-12
	14-60	5.0-25	---	7.9 - 9.6	5-10	0	0.0-2.0	1-12
2100:								
Rodad	0-4	5.0-15	---	7.9 - 9.0	1-20	0	0.0-2.0	0-5
	4-12	20-30	---	7.9 - 9.0	1-20	0	0.0-2.0	0-5
	12-16	---	---	---	---	---	---	---
Theriot	0-3	5.0-10	---	7.9 - 9.0	15-40	0	0.0-2.0	0-12
	3-14	3.0-8.0	---	7.9 - 9.0	20-40	0	0.0-4.0	0-12
	14-18	---	---	---	---	---	---	---
Kyler	0-3	5.0-15	---	7.9 - 9.0	30-40	0	0.0-2.0	0-5
	3-7	5.0-15	---	7.9 - 9.0	30-40	0	0.0-2.0	0-5
	7-11	---	---	---	---	---	---	---
2101:								
Rodad	0-3	5.0-15	---	7.9 - 9.0	1-20	0	0.0-2.0	0-5
	3-14	20-30	---	7.9 - 9.0	1-20	0	0.0-2.0	0-5
	14-18	---	---	---	---	---	---	---
Penelas	0-7	5.0-20	---	7.4 - 9.0	0-5	0	0.0-2.0	0-5
	7-12	15-30	---	7.4 - 9.0	0-5	0	0.0-2.0	0-5
	12-16	---	---	---	---	---	---	---
Blacktop	0-7	5.0-10	---	7.4 - 8.4	0	0	0.0-4.0	0
	7-11	---	---	---	---	---	---	---
2110:								
Bylo Variant	0-3	10-15	---	7.9 - 8.4	0	0	2.0-4.0	0-2
	3-60	15-20	---	7.9 - 8.4	1-5	0	2.0-4.0	0-2
Playas	0-6	24-35	---	8.5 - 9.6	1-5	1-5	16.0-32.0	46-90
	6-60	30-60	---	8.5 - 9.6	1-10	1-10	16.0-32.0	46-90
2120:								
Itme	0-6	0.0-5.0	---	7.4 - 8.4	0-5	0	0.0-2.0	0-5
	6-60	0.0-5.0	---	7.4 - 9.0	1-25	0	0.0-2.0	0-5
Truhoy	0-2	8.0-15	---	7.9 - 9.0	1-5	0	0.0-2.0	0-5
	2-11	8.0-15	---	7.9 - 9.0	1-10	0	0.0-2.0	0-5
	11-17	---	---	---	---	---	---	---
	17-60	1.0-5.0	---	8.5 - 9.6	5-10	0	0.0-2.0	0-5
3000:								

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
3000:								
Perazzo	0-4	10-15	---	6.6 - 7.8	0	0	0.0	0
	4-13	15-25	---	6.6 - 7.8	0-2	0	0.0	0
	13-21	1.0-8.0	---	6.6 - 7.8	1-5	0	0.0	0
	21-60	0.0-3.0	---	7.9 - 9.6	1-5	0	0.0-2.0	1-12
Typic Torriorthents	0-6	5.0-10	---	7.9 - 9.0	0-5	0	0.0-2.0	1-5
	6-60	5.0-20	---	7.9 - 9.0	0-5	0	0.0-2.0	1-12
3001:								
Perazzo	0-4	10-15	---	6.6 - 7.8	0	0	0.0	0
	4-13	15-25	---	6.6 - 7.8	0-2	0	0.0	0
	13-21	1.0-8.0	---	6.6 - 7.8	1-5	0	0.0	0
	21-60	0.0-3.0	---	7.9 - 9.6	1-5	0	0.0-2.0	1-12
Rawe	0-1	4.0-10	---	6.6 - 8.4	0-1	0	0.0-2.0	0-5
	1-10	30-40	---	6.6 - 8.4	1-5	0	0.0-2.0	0-5
	10-60	4.0-7.0	---	7.9 - 9.6	5-10	0	0.0-4.0	1-12
Bluewing	0-7	4.0-9.0	---	7.9 - 9.0	0-5	0	0.0-2.0	1-12
	7-60	1.0-5.0	---	7.9 - 9.0	5-15	0-1	0.0-4.0	1-12
3002:								
Perazzo	0-4	10-15	---	6.6 - 7.8	0	0	0.0	0
	4-13	15-25	---	6.6 - 7.8	0-2	0	0.0	0
	13-21	1.0-8.0	---	6.6 - 7.8	1-5	0	0.0	0
	21-60	0.0-3.0	---	7.9 - 9.6	1-5	0	0.0-2.0	1-12
Veet	0-5	5.0-15	---	7.4 - 8.4	0-5	0	0.0-2.0	0-5
	5-20	5.0-15	---	7.4 - 9.0	0-5	0	0.0-2.0	0-5
	20-60	2.0-8.0	---	7.9 - 9.0	10-20	0	0.0-2.0	0-5
Rawe	0-1	4.0-10	---	6.6 - 8.4	0-1	0	0.0-2.0	0-5
	1-10	30-40	---	6.6 - 8.4	1-5	0	0.0-2.0	0-5
	10-60	4.0-7.0	---	7.9 - 9.6	5-10	0	0.0-4.0	1-12
3003:								
Perazzo	0-4	10-15	---	6.6 - 7.8	0	0	0.0	0
	4-13	15-25	---	6.6 - 7.8	0-2	0	0.0	0
	13-21	1.0-8.0	---	6.6 - 7.8	1-5	0	0.0	0
	21-60	0.0-3.0	---	7.9 - 9.6	1-5	0	0.0-2.0	1-12
Bluewing	0-7	4.0-9.0	---	7.9 - 9.0	0-5	0	0.0-2.0	1-12
	7-60	1.0-5.0	---	7.9 - 9.0	5-15	0-1	0.0-4.0	1-12
3020:								
Rawe	0-4	4.0-10	---	6.6 - 8.4	0-1	0	0.0-2.0	0-5
	4-11	30-40	---	6.6 - 8.4	1-5	0	0.0-2.0	0-5
	11-60	4.0-7.0	---	7.9 - 9.6	5-10	0	0.0-4.0	1-12

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
3020:								
Bluewing	0-7	1.0-7.0	---	6.6 - 9.0	0-5	0	0.0-2.0	0-5
	7-60	1.0-7.0	---	6.6 - 9.0	5-10	0	0.0-4.0	0-5
Trocken	0-3	5.0-12	---	6.6 - 9.6	1-5	0	0.0-2.0	1-12
	3-60	5.0-12	---	6.6 - 9.6	1-5	0-1	2.0-4.0	5-12
3040:								
Deefan	0-3	10-15	---	7.9 - 9.0	0-3	0	0.0-4.0	0-2
	3-10	35-45	---	7.4 - 8.4	0-5	0	0.0-2.0	0-2
	10-26	---	---	---	---	---	---	---
	26-60	0.0-3.0	---	7.9 - 9.0	10-20	0	0.0-8.0	0-2
Bluewing	0-7	4.0-9.0	---	7.9 - 9.0	0-5	0	0.0-2.0	1-12
	7-60	1.0-5.0	---	7.9 - 9.0	5-15	0-1	0.0-4.0	1-12
Rawe	0-1	4.0-10	---	6.6 - 8.4	0-1	0	0.0-2.0	0-5
	1-10	30-40	---	6.6 - 8.4	1-5	0	0.0-2.0	0-5
	10-60	4.0-7.0	---	7.9 - 9.6	5-10	0	0.0-4.0	1-12
3042:								
Deefan	0-3	10-15	---	7.9 - 9.0	0-3	0	0.0-4.0	0-2
	3-10	35-45	---	7.4 - 8.4	0-5	0	0.0-2.0	0-2
	10-26	---	---	---	---	---	---	---
	26-60	0.0-3.0	---	7.9 - 9.0	10-20	0	0.0-8.0	0-2
Perazzo	0-6	10-15	---	6.6 - 7.8	0	0	0.0-2.0	0
	6-15	15-25	---	6.6 - 7.8	0-2	0	0.0-2.0	0
	15-20	1.0-8.0	---	6.6 - 7.8	1-5	0	0.0-2.0	0
	20-60	0.0-3.0	---	7.9 - 9.6	1-5	0	0.0-2.0	1-12
3043:								
Deefan	0-3	10-15	---	7.9 - 9.0	0-3	0	0.0-4.0	0-2
	3-10	35-45	---	7.4 - 8.4	0-5	0	0.0-2.0	0-2
	10-26	---	---	---	---	---	---	---
	26-60	0.0-3.0	---	7.9 - 9.0	10-20	0	0.0-8.0	0-2
Cleaver	0-2	4.0-9.0	---	6.6 - 9.0	0-1	0	0.0-2.0	1-12
	2-11	18-25	---	6.6 - 8.4	0	0	0.0-2.0	1-12
	11-23	---	---	---	---	---	---	---
	23-60	4.0-8.0	---	6.6 - 9.0	5-10	0	0.0-2.0	5-30
Bluewing	0-7	4.0-9.0	---	7.9 - 9.0	0-5	0	0.0-2.0	1-12
	7-60	1.0-5.0	---	7.9 - 9.0	5-15	0-1	0.0-4.0	1-12
3052:								

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
3052:								
Veet	0-3	5.0-10	---	7.4 - 8.4	0-5	0	0.0-2.0	0-5
	3-17	5.0-15	---	7.4 - 9.0	0-5	0	0.0-2.0	0-5
	17-60	2.0-8.0	---	7.9 - 9.0	10-20	0	0.0-2.0	0-5
Itme	0-6	0.0-5.0	---	7.4 - 8.4	0-5	0	0.0-2.0	0-5
	6-60	0.0-5.0	---	7.4 - 9.0	1-25	0	0.0-2.0	0-5
3054:								
Veet	0-5	5.0-15	---	7.4 - 8.4	0-5	0	0.0-2.0	0-5
	5-20	5.0-15	---	7.4 - 9.0	0-5	0	0.0-2.0	0-5
	20-60	2.0-8.0	---	7.9 - 9.0	10-20	0	0.0-2.0	0-5
3061:								
Smedley	0-2	4.0-12	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	2-15	25-34	---	6.6 - 8.4	0-3	0	0.0-2.0	0-5
	15-33	---	---	---	---	---	---	---
	33-60	0.0-8.0	---	7.9 - 9.0	1-10	0	0.0-2.0	0-2
Annaw	0-2	2.0-5.0	---	7.9 - 9.0	1-5	0	0.0-2.0	0-12
	2-11	5.0-10	---	7.9 - 9.0	1-5	0	0.0-2.0	0-12
	11-60	0.0-5.0	---	7.9 - 9.0	10-20	0	0.0-4.0	0-12
Izo	0-8	0.0-8.0	---	7.9 - 9.0	1-10	0	0.0-2.0	0-5
	8-60	0.0-8.0	---	7.9 - 9.0	5-20	0	0.0-4.0	0-5
3063:								
Smedley	0-2	4.0-12	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	2-18	25-34	---	6.6 - 8.4	0-3	0	0.0-2.0	0-5
	18-43	---	---	---	---	---	---	---
	43-60	0.0-8.0	---	7.9 - 9.0	1-10	0	0.0-2.0	0-2
3070:								
Silverbow	0-2	10-20	---	7.9 - 9.0	15-25	0	0.0-4.0	1-12
	2-13	10-30	---	7.9 - 9.0	20-35	0	0.0-4.0	1-12
	13-16	---	---	---	---	---	---	---
	16-40	---	---	---	---	---	---	---
Rubble Land	0-60	---	---	---	0	0	0.0	0
Smedley	0-2	4.0-12	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	2-18	25-34	---	6.6 - 8.4	0-3	0	0.0-2.0	0-5
	18-43	---	---	---	---	---	---	---
	43-60	0.0-8.0	---	7.9 - 9.0	1-10	0	0.0-2.0	0-2
3090:								
Inmo	0-8	0.0-5.0	---	7.9 - 9.0	1-5	0	0.0-2.0	1-12
	8-40	0.0-5.0	---	7.9 - 9.0	1-5	0	2.0-4.0	1-12
	40-60	0.0-8.0	---	7.9 - 9.6	1-5	0	2.0-4.0	1-12

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
3090:								
Inmo	0-8	0.0-5.0	---	7.9 - 9.0	1-5	0	0.0-2.0	1-12
	8-40	0.0-3.0	---	7.9 - 9.0	1-5	0	2.0-4.0	1-12
	40-60	0.0-5.0	---	7.9 - 9.0	1-5	0	2.0-4.0	1-12
3091:								
Inmo	0-2	5.0-10	---	7.9 - 9.0	1-5	0	0.0-2.0	1-12
	2-37	0.0-5.0	---	7.9 - 9.0	1-5	0	2.0-4.0	1-12
	37-60	0.0-8.0	---	7.9 - 9.0	1-5	0	2.0-4.0	1-12
Rednik	0-6	3.0-10	---	7.4 - 9.0	0-3	0	0.0-2.0	1-12
	6-20	15-20	---	7.9 - 9.0	1-5	0-1	4.0-8.0	13-30
	20-45	3.0-10	---	8.5 - 9.6	1-5	0-2	2.0-8.0	13-30
	45-65	1.0-5.0	---	8.5 - 9.6	1-5	0-2	0.0-4.0	5-30
3092:								
Inmo	0-6	0.0-5.0	---	7.9 - 9.0	1-5	0	0.0-2.0	1-12
	6-60	0.0-5.0	---	7.9 - 9.0	1-5	0	2.0-4.0	1-12
Nuahs	0-4	3.0-8.0	---	7.9 - 8.4	1-5	0	0.0-2.0	1-12
	4-18	5.0-15	---	8.5 - 9.6	5-15	0	0.0-4.0	13-30
	18-60	3.0-10	---	7.9 - 9.0	1-5	0-2	4.0-16.0	13-30
Luning	0-6	1.0-5.0	---	7.9 - 9.0	1-10	0	0.0-2.0	1-5
	6-35	1.0-5.0	---	7.9 - 9.0	1-10	0	0.0-2.0	1-5
	35-60	1.0-5.0	---	7.9 - 9.6	1-10	0	0.0-4.0	5-12
3095:								
Inmo	0-8	0.0-5.0	---	7.9 - 9.0	1-5	0	0.0-2.0	1-12
	8-40	0.0-3.0	---	7.9 - 9.0	1-5	0	2.0-4.0	1-12
	40-60	0.0-5.0	---	7.9 - 9.0	1-5	0	2.0-4.0	1-12
Stumble	0-12	2.0-8.0	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	12-18	2.0-8.0	---	7.9 - 8.4	1-5	0	0.0-4.0	0-5
	18-60	2.0-8.0	---	7.9 - 9.0	1-5	0	0.0-8.0	0-5
3110:								
Fulstone	0-5	9.0-18	---	6.1 - 7.3	0	0	0.0	0
	5-18	33-44	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	18-30	---	---	---	---	---	---	---
	30-60	4.0-12	---	8.5 - 9.0	3-15	0	0.0-2.0	5-30
Wedlar	0-6	2.0-8.0	---	6.1 - 7.3	0	0	0.0	0
	6-14	10-15	---	6.6 - 7.8	0	0	0.0	0
	14-37	21-29	---	6.6 - 7.8	0	0	0.0	0
	37-60	3.0-15	---	6.6 - 8.4	0-5	0	0.0-2.0	0-5

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
3110:								
Veet	0-5	5.0-15	---	7.4 - 8.4	0-5	0	0.0-2.0	0-5
	5-20	5.0-15	---	7.4 - 9.0	0-5	0	0.0-2.0	0-5
	20-60	2.0-8.0	---	7.9 - 9.0	10-20	0	0.0-2.0	0-5
3111:								
Fulstone	0-4	9.0-18	---	6.1 - 7.3	0	0	0.0	0
	4-15	33-44	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	15-40	---	---	---	---	---	---	---
	40-60	4.0-12	---	8.5 - 9.0	3-15	0	0.0-2.0	5-30
Mickey	0-5	3.0-7.0	---	6.6 - 8.4	0	0	0.0-2.0	0-2
	5-10	12-22	---	6.6 - 7.8	0	0	0.0-2.0	0-2
	10-15	26-34	---	6.6 - 8.4	0	0	0.0-2.0	0-2
	15-37	---	---	---	---	---	---	---
	37-60	5.0-10	---	6.6 - 8.4	1-5	0	0.0-4.0	0-2
3120:								
Wassit	0-6	15-25	---	6.6 - 7.8	0	0	0.0	0
	6-12	25-40	---	6.6 - 7.8	0	0	0.0	0
	12-16	---	---	---	---	---	---	---
Brawley	0-7	15-25	---	6.6 - 7.3	0	0	0.0	0
	7-27	40-55	---	6.6 - 7.3	0	0	0.0	0
	27-31	---	---	---	---	---	---	---
3123:								
Wassit	0-6	15-25	---	6.6 - 7.8	0	0	0.0	0
	6-12	25-40	---	6.6 - 7.8	0	0	0.0	0
	12-16	---	---	---	---	---	---	---
3124:								
Wassit	0-6	15-25	---	6.6 - 7.8	0	0	0.0	0
	6-12	25-40	---	6.6 - 7.8	0	0	0.0	0
	12-16	---	---	---	---	---	---	---
Loomer	0-7	5.0-20	---	6.6 - 7.8	0	0	0.0	0
	7-17	20-40	---	6.6 - 7.8	0	0	0.0	0
	17-21	---	---	---	---	---	---	---
3130:								
Mickey	0-5	7.0-16	---	6.6 - 8.4	0	0	0.0-2.0	0-2
	5-10	12-22	---	6.6 - 7.8	0	0	0.0-2.0	0-2
	10-15	26-34	---	6.6 - 8.4	0	0	0.0-2.0	0-2
	15-37	---	---	---	---	---	---	---
	37-60	5.0-10	---	6.6 - 8.4	1-5	0	0.0-4.0	0-2

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
3130:								
Smedley	0-2	4.0-12	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	2-18	25-34	---	6.6 - 8.4	0-3	0	0.0-2.0	0-5
	18-43	---	---	---	---	---	---	---
	43-60	0.0-8.0	---	7.9 - 9.0	1-10	0	0.0-2.0	0-2
Veet	0-5	5.0-15	---	7.4 - 8.4	0-5	0	0.0-2.0	0-5
	5-20	5.0-15	---	7.4 - 9.0	0-5	0	0.0-2.0	0-5
	20-60	2.0-8.0	---	7.9 - 9.0	10-20	0	0.0-2.0	0-5
3131:								
Mickey	0-5	3.0-7.0	---	6.6 - 8.4	0	0	0.0-2.0	0-2
	5-10	12-22	---	6.6 - 7.8	0	0	0.0-2.0	0-2
	10-15	26-34	---	6.6 - 8.4	0	0	0.0-2.0	0-2
	15-37	---	---	---	---	---	---	---
	37-60	5.0-10	---	6.6 - 8.4	1-5	0	0.0-4.0	0-2
Veet	0-5	5.0-15	---	7.4 - 8.4	0-5	0	0.0-2.0	0-5
	5-20	5.0-15	---	7.4 - 9.0	0-5	0	0.0-2.0	0-5
	20-60	2.0-8.0	---	7.9 - 9.0	10-20	0	0.0-2.0	0-5
3133:								
Mickey	0-5	7.0-16	---	6.6 - 8.4	0	0	0.0-2.0	0-2
	5-10	12-22	---	6.6 - 7.8	0	0	0.0-2.0	0-2
	10-15	26-34	---	6.6 - 8.4	0	0	0.0-2.0	0-2
	15-37	---	---	---	---	---	---	---
	37-60	5.0-10	---	6.6 - 8.4	1-5	0	0.0-4.0	0-2
3140:								
Loomer	0-2	9.0-17	---	6.6 - 7.8	0	0	0.0	0
	2-19	26-39	---	6.6 - 7.8	0	0	0.0	0
	19-23	---	---	---	---	---	---	---
Downeyville	0-4	10-20	---	7.9 - 8.4	0-5	0	0.0-2.0	0-5
	4-9	10-25	---	7.9 - 9.0	0-10	0	0.0-2.0	0-5
	9-13	---	---	---	---	---	---	---
Rowel	0-6	6.0-15	---	6.6 - 7.3	0	0	0.0	0
	6-13	29-41	---	6.6 - 7.8	0	0	0.0	0
	13-17	---	---	---	---	---	---	---
3141:								
Loomer	0-2	9.0-17	---	6.6 - 7.8	0	0	0.0	0
	2-19	26-39	---	6.6 - 7.8	0	0	0.0	0
	19-23	---	---	---	---	---	---	---
Rowel	0-6	6.0-15	---	6.6 - 7.3	0	0	0.0	0
	6-14	29-41	---	6.6 - 7.8	0	0	0.0	0
	14-18	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
3141:								
Wassit	0-6	15-25	---	6.6 - 7.8	0	0	0.0	0
	6-12	25-40	---	6.6 - 7.8	0	0	0.0	0
	12-16	---	---	---	---	---	---	---
3142:								
Loomer	0-2	9.0-17	---	6.6 - 7.8	0	0	0.0	0
	2-19	26-39	---	6.6 - 7.8	0	0	0.0	0
	19-23	---	---	---	---	---	---	---
Downeyville	0-4	10-20	---	7.9 - 8.4	0-5	0	0.0-2.0	0-5
	4-9	10-25	---	7.9 - 9.0	0-10	0	0.0-2.0	0-5
	9-13	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
3143:								
Loomer	0-2	9.0-17	---	6.6 - 7.8	0	0	0.0	0
	2-19	26-39	---	6.6 - 7.8	0	0	0.0	0
	19-23	---	---	---	---	---	---	---
Rowel	0-6	6.0-15	---	6.6 - 7.3	0	0	0.0	0
	6-14	29-41	---	6.6 - 7.8	0	0	0.0	0
	14-18	---	---	---	---	---	---	---
Rubble Land	0-60	---	---	---	0	0	0.0	0
3150:								
Zyzzi	0-4	6.0-11	---	6.6 - 7.3	0	0	0.0	0
	4-8	19-27	---	6.6 - 7.8	0	0	0.0	0
	8-20	---	---	---	---	---	---	---
3151:								
Zyzzi	0-2	6.0-11	---	6.6 - 7.3	0	0	0.0	0
	2-6	19-27	---	6.6 - 7.8	0	0	0.0	0
	6-40	---	---	---	---	---	---	---
Nupart	0-2	4.0-14	---	6.6 - 7.3	0	0	0.0	0
	2-5	4.0-12	---	6.6 - 7.3	0	0	0.0	0
	5-9	---	---	---	---	---	---	---
3170:								
Ravenell	0-5	13-18	---	6.6 - 7.8	0	0	0.0	0
	5-12	26-34	---	6.6 - 7.8	0	0	0.0	0
	12-20	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
3170:								
Haar	0-2	9.0-17	---	6.6 - 8.4	0	0	0.0	0-5
	2-6	7.0-14	---	6.6 - 8.4	0	0	0.0	0-5
	6-10	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
3191:								
Mickey	0-5	7.0-16	---	6.6 - 8.4	0	0	0.0-2.0	0-2
	5-10	12-22	---	6.6 - 7.8	0	0	0.0-2.0	0-2
	10-15	26-34	---	6.6 - 8.4	0	0	0.0-2.0	0-2
	15-37	---	---	---	---	---	---	---
	37-60	5.0-10	---	6.6 - 8.4	1-5	0	0.0-4.0	0-2
Wellsed	0-6	1.0-5.0	---	6.1 - 7.3	0	0	0.0	0
	6-15	15-30	---	7.4 - 9.0	0	0	0.0-4.0	0-5
	15-35	2.0-8.0	---	8.5 - 9.6	0-1	0	0.0-4.0	1-12
	35-50	---	---	---	---	---	---	---
	50-60	3.0-8.0	---	8.5 - 9.6	0-5	0	0.0-4.0	5-30
Veet	0-5	5.0-15	---	7.4 - 8.4	0-5	0	0.0-2.0	0-5
	5-20	5.0-15	---	7.4 - 9.0	0-5	0	0.0-2.0	0-5
	20-60	2.0-8.0	---	7.9 - 9.0	10-20	0	0.0-2.0	0-5
3192:								
Wellsed	0-6	1.0-5.0	---	6.1 - 7.3	0	0	0.0	0
	6-15	15-30	---	7.4 - 9.0	0	0	0.0-4.0	0-5
	15-35	2.0-8.0	---	8.5 - 9.6	0-1	0	0.0-4.0	1-12
	35-50	---	---	---	---	---	---	---
	50-60	3.0-8.0	---	8.5 - 9.6	0-5	0	0.0-4.0	5-30
Ravenell	0-3	13-18	---	6.6 - 7.8	0	0	0.0	0
	3-7	26-34	---	6.6 - 7.8	0	0	0.0	0
	7-11	---	---	---	---	---	---	---
Haar	0-2	9.0-17	---	6.6 - 8.4	0	0	0.0	0-5
	2-6	7.0-14	---	6.6 - 8.4	0	0	0.0	0-5
	6-10	---	---	---	---	---	---	---
3193:								
Wellsed	0-7	1.0-5.0	---	6.1 - 7.3	0	0	0.0	0
	7-17	15-30	---	7.4 - 9.0	0	0	0.0-4.0	0-5
	17-25	2.0-8.0	---	8.5 - 9.6	0-1	0	0.0-4.0	1-12
	25-45	---	---	---	---	---	---	---
	45-60	3.0-8.0	---	8.5 - 9.6	0-5	0	0.0-4.0	5-30

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
3193:								
Wedlar	0-8	2.0-8.0	---	6.1 - 7.3	0	0	0.0	0
	8-11	10-15	---	6.6 - 7.8	0	0	0.0	0
	11-31	21-29	---	6.6 - 7.8	0	0	0.0	0
	31-60	3.0-15	---	6.6 - 8.4	0-5	0	0.0-2.0	0-5
3194:								
Wellsed	0-6	1.0-5.0	---	6.1 - 7.3	0	0	0.0	0
	6-15	15-30	---	7.4 - 9.0	0	0	0.0-4.0	0-5
	15-35	2.0-8.0	---	8.5 - 9.6	0-1	0	0.0-4.0	1-12
	35-50	---	---	---	---	---	---	---
	50-60	3.0-8.0	---	8.5 - 9.6	0-5	0	0.0-4.0	5-30
Smedley	0-2	4.0-12	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	2-18	25-34	---	6.6 - 8.4	0-3	0	0.0-2.0	0-5
	18-43	---	---	---	---	---	---	---
	43-60	0.0-8.0	---	7.9 - 9.0	1-10	0	0.0-2.0	0-2
Mickey	0-5	3.0-7.0	---	6.6 - 8.4	0	0	0.0-2.0	0-2
	5-10	12-22	---	6.6 - 7.8	0	0	0.0-2.0	0-2
	10-15	26-34	---	6.6 - 8.4	0	0	0.0-2.0	0-2
	15-37	---	---	---	---	---	---	---
	37-60	5.0-10	---	6.6 - 8.4	1-5	0	0.0-4.0	0-2
3210:								
Fallon	0-8	5.0-13	---	7.9 - 9.0	0-5	0	4.0-8.0	1-12
	8-60	4.0-13	---	7.9 - 8.4	1-5	0	0.0-2.0	0-12
Fettic Variant	0-8	10-20	---	6.6 - 8.4	0	0	0.0-4.0	0-12
	8-20	20-40	---	8.5 - 9.6	1-5	0	4.0-8.0	31-90
	20-60	10-20	---	8.5 - 9.6	1-5	0	4.0-16.0	13-30
Fallon	0-10	5.0-13	---	7.9 - 9.0	0-1	0	8.0-16.0	13-30
	10-60	4.0-13	---	7.9 - 9.0	0-3	0	0.0-8.0	1-12
3212:								
Fallon	0-14	1.0-6.0	---	6.6 - 8.4	0-1	0	0.0-2.0	0-5
	14-60	4.0-13	---	6.6 - 8.4	1-5	0	0.0-2.0	0-12
Slaw	0-9	10-20	---	9.1 - 9.6	1-4	0	8.0-16.0	31-45
	9-40	15-30	---	8.5 - 9.6	1-4	0	8.0-16.0	46-60
	40-60	5.0-10	---	8.5 - 9.0	1-4	0-5	4.0-8.0	5-30
3220:								
Rowel	0-6	6.0-15	---	6.6 - 7.3	0	0	0.0	0
	6-14	29-41	---	6.6 - 7.8	0	0	0.0	0
	14-18	---	---	---	---	---	---	---
3221:								

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
3221:								
Rowel	0-6	6.0-15	---	6.6 - 7.3	0	0	0.0	0
	6-14	29-41	---	6.6 - 7.8	0	0	0.0	0
	14-18	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
3300:								
Typic Torriorthents	0-10	0.0-8.0	---	7.9 - 9.0	0-5	0	0.0-2.0	0-5
	10-60	1.0-8.0	---	7.9 - 9.0	0-5	0	0.0-2.0	0-5
3310:								
Veta	0-4	5.0-15	---	6.6 - 8.4	0-1	0	0.0-2.0	0
	4-17	4.0-10	---	6.6 - 8.4	0-1	0	0.0-2.0	0
	17-60	1.0-12	---	6.6 - 8.4	1-5	0	0.0-2.0	0
Smedley	0-2	4.0-12	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	2-18	25-34	---	6.6 - 8.4	0-3	0	0.0-2.0	0-5
	18-43	---	---	---	---	---	---	---
	43-60	0.0-8.0	---	7.9 - 9.0	1-10	0	0.0-2.0	0-2
4000:								
Garhill	0-1	3.0-8.0	---	7.9 - 8.4	0-5	0	0.0-2.0	0-2
	1-5	5.0-10	---	7.9 - 8.4	0-5	0	0.0-2.0	0-2
	5-9	10-20	---	7.9 - 9.0	5-15	0	0.0-8.0	0-2
	9-23	---	---	---	---	---	---	---
	23-27	---	---	---	---	---	---	---
Blacktop	0-7	5.0-10	---	7.4 - 8.4	0	0	0.0-4.0	0-2
	7-11	---	---	---	---	---	---	---
4021:								
Argalt	0-1	5.0-10	---	7.4 - 8.4	0	0	0.0-2.0	0-5
	1-3	5.0-15	---	7.4 - 8.4	0	0	0.0-2.0	0-5
	3-9	25-35	---	7.4 - 8.4	0-3	0	0.0-2.0	0-5
	9-11	---	---	---	---	---	---	---
	11-15	---	---	---	---	---	---	---
Gabbvally	0-2	10-20	---	6.6 - 7.8	0	0	0.0	0
	2-8	15-25	---	6.6 - 7.8	0	0	0.0	0
	8-12	---	---	---	---	---	---	---
4030:								
Koyen	0-4	3.0-15	---	7.9 - 9.0	0	0	0.0-2.0	0-5
	4-45	5.0-15	---	7.9 - 9.0	5-15	0	0.0-2.0	0-5
	45-60	0.0-8.0	---	7.9 - 9.0	0-8	0-1	0.0-2.0	1-12
Geer	0-14	5.0-20	---	7.9 - 8.4	1-5	0	0.0-2.0	1-12
	14-60	5.0-25	---	7.9 - 9.6	5-10	0	0.0-2.0	1-12

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
4030:								
4050:								
Haarvar	0-1	30-35	---	7.9 - 8.4	1-5	0	0.0-2.0	0
	1-14	35-45	---	7.9 - 8.4	1-5	0	0.0-2.0	0
	14-18	---	---	---	---	---	---	---
Wrango	0-3	5.0-10	---	7.4 - 8.4	0-1	0	0.0-2.0	0-2
	3-10	5.0-10	---	7.4 - 8.4	1-5	0	0.0-2.0	0-2
	10-60	1.0-8.0	---	7.4 - 8.4	1-5	0	0.0-2.0	0-5
4061:								
Truhoy	0-2	8.0-15	---	7.9 - 9.0	1-5	0	0.0-2.0	0-5
	2-11	8.0-15	---	7.9 - 9.0	1-10	0	0.0-2.0	0-5
	11-17	---	---	---	---	---	---	---
	17-60	1.0-5.0	---	8.5 - 9.6	5-10	0	0.0-2.0	0-5
Wardenot	0-5	1.0-5.0	---	7.4 - 9.0	1-5	0	0.0-4.0	1-12
	5-60	3.0-8.0	---	7.4 - 9.0	1-5	0	0.0-4.0	1-12
4062:								
Truhoy	0-2	3.0-8.0	---	7.9 - 9.0	1-5	0	0.0-2.0	0-5
	2-11	8.0-15	---	7.9 - 9.0	1-10	0	0.0-2.0	0-5
	11-17	---	---	---	---	---	---	---
	17-60	1.0-5.0	---	8.5 - 9.6	5-10	0	0.0-2.0	0-5
4070:								
Zadvar	0-6	5.0-20	---	7.4 - 8.4	0	0	0.0-2.0	0-5
	6-11	15-30	---	7.4 - 8.4	0	0	0.0-2.0	0-5
	11-28	---	---	---	---	---	---	---
	28-60	5.0-10	---	7.9 - 9.0	15-30	0	0.0-2.0	0-5
Stewval	0-1	5.0-13	---	7.4 - 8.4	1-5	0	0.0	0
	1-4	12-20	---	7.4 - 8.4	1-5	0	0.0	0-2
	4-8	---	---	---	---	---	---	---
4071:								
Zadvar	0-6	5.0-20	---	7.4 - 8.4	0	0	0.0-2.0	0-5
	6-11	15-30	---	7.4 - 8.4	0	0	0.0-2.0	0-5
	11-28	---	---	---	---	---	---	---
	28-60	5.0-10	---	7.9 - 9.0	15-30	0	0.0-2.0	0-5
Wrango	0-4	2.0-7.0	---	7.4 - 8.4	0-2	0	0.0-2.0	0-2
	4-10	5.0-12	---	7.4 - 8.4	1-10	0	0.0-2.0	0-2
	10-60	2.0-7.0	---	7.4 - 8.4	5-10	0	0.0-2.0	0-2
4073:								

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
4073:								
Zadvar	0-6	5.0-20	---	7.4 - 8.4	0	0	0.0-2.0	0-5
	6-11	15-30	---	7.4 - 8.4	0	0	0.0-2.0	0-5
	11-28	---	---	---	---	---	---	---
	28-60	5.0-10	---	7.9 - 9.0	15-30	0	0.0-2.0	0-5
Veet	0-5	5.0-15	---	7.4 - 8.4	0-5	0	0.0-2.0	0-5
	5-20	5.0-15	---	7.4 - 9.0	0-5	0	0.0-2.0	0-5
	20-60	2.0-8.0	---	7.9 - 9.0	10-20	0	0.0-2.0	0-5
4080:								
Truvar	0-2	3.0-8.0	---	6.6 - 7.3	0	0	0.0	0
	2-17	10-15	---	6.6 - 7.8	0	0	0.0-2.0	0
	17-60	---	---	---	---	---	---	---
Crunker	0-12	5.0-10	---	7.9 - 8.4	0	0	0.0-2.0	0
	12-60	3.0-10	---	7.9 - 9.6	1-5	0	0.0-2.0	0-2
4081:								
Truvar	0-2	3.0-8.0	---	6.6 - 7.3	0	0	0.0	0
	2-17	10-15	---	6.6 - 7.8	0	0	0.0-2.0	0
	17-60	---	---	---	---	---	---	---
Fadoll	0-10	10-20	---	6.6 - 7.3	0	0	0.0	0
	10-35	10-20	---	6.6 - 7.3	0	0	0.0	0
	35-60	5.0-10	---	6.6 - 7.3	0	0	0.0	0
4090:								
Eaglepass	0-1	5.0-15	---	7.9 - 9.0	15-30	0	0.0-2.0	0-5
	1-5	5.0-15	---	7.9 - 9.0	15-30	0	0.0-2.0	0-5
	5-9	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
4100:								
Stumble	0-12	2.0-8.0	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	12-18	2.0-8.0	---	7.9 - 8.4	1-5	0	0.0-4.0	0-5
	18-60	2.0-8.0	---	7.9 - 9.0	1-5	0	0.0-8.0	0-5
4102:								
Stumble	0-12	2.0-8.0	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	12-18	2.0-8.0	---	7.9 - 8.4	1-5	0	0.0-4.0	0-5
	18-60	2.0-8.0	---	7.9 - 9.0	1-5	0	0.0-8.0	0-5
4103:								
Stumble	0-6	2.0-8.0	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	6-29	2.0-8.0	---	7.9 - 8.4	1-5	0	0.0-4.0	0-5
	29-50	2.0-8.0	---	7.9 - 9.0	1-5	0	0.0-8.0	0-5

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
4103:								
Stumble	0-6	2.0-8.0	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	6-29	2.0-8.0	---	7.9 - 8.4	1-5	0	0.0-4.0	0-5
	29-50	2.0-8.0	---	7.9 - 9.0	1-5	0	0.0-8.0	0-5
4110:								
Fadoll	0-10	10-20	---	6.6 - 7.3	0	0	0.0	0
	10-35	10-20	---	6.6 - 7.3	0	0	0.0	0
	35-60	5.0-10	---	6.6 - 7.3	0	0	0.0	0
4121:								
Brawley	0-7	15-25	---	6.6 - 7.3	0	0	0.0	0
	7-27	40-55	---	6.6 - 7.3	0	0	0.0	0
	27-31	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
4130:								
Penelas	0-2	5.0-20	---	7.4 - 9.0	0-5	0	0.0-2.0	0-5
	2-5	15-30	---	7.4 - 9.0	0-5	0	0.0-2.0	0-5
	5-9	---	---	---	---	---	---	---
Gabbvally	0-2	5.0-20	---	6.6 - 7.8	0	0	0.0	0
	2-8	10-20	---	6.6 - 7.8	0	0	0.0	0
	8-12	---	---	---	---	---	---	---
Rodad	0-4	5.0-15	---	7.9 - 9.0	1-20	0	0.0-2.0	0-5
	4-12	20-30	---	7.9 - 9.0	1-20	0	0.0-2.0	0-5
	12-16	---	---	---	---	---	---	---
4150:								
Stewval	0-1	5.0-13	---	7.4 - 8.4	1-5	0	0.0	0
	1-4	12-20	---	7.4 - 8.4	1-5	0	0.0	0-2
	4-8	---	---	---	---	---	---	---
Lomoine	0-4	5.0-15	---	7.4 - 8.4	1-5	0	0.0-2.0	0
	4-8	5.0-15	---	7.4 - 8.4	1-5	0	0.0-2.0	0
	8-12	---	---	---	---	---	---	---
4152:								
Stewval	0-1	5.0-13	---	7.4 - 8.4	1-5	0	0.0	0
	1-4	12-20	---	7.4 - 8.4	1-5	0	0.0	0-2
	4-8	---	---	---	---	---	---	---
Pintwater	0-6	5.0-15	---	7.9 - 9.0	5-15	0	0.0-2.0	0-5
	6-11	5.0-15	---	7.9 - 9.0	10-20	0	0.0-4.0	0-5
	11-15	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
4152:								
4153:								
Stewval	0-1	5.0-13	---	7.4 - 8.4	1-5	0	0.0	0
	1-4	12-20	---	7.4 - 8.4	1-5	0	0.0	0-2
	4-8	---	---	---	---	---	---	---
4154:								
Stewval	0-1	5.0-13	---	7.4 - 8.4	1-5	0	0.0	0
	1-4	12-20	---	7.4 - 8.4	1-5	0	0.0	0-2
	4-8	---	---	---	---	---	---	---
Stewval	0-1	5.0-13	---	7.4 - 8.4	1-5	0	0.0	0
	1-4	12-20	---	7.4 - 8.4	1-5	0	0.0	0-2
	4-8	---	---	---	---	---	---	---
Gabbvally	0-2	0.0-5.0	---	6.6 - 7.8	0	0	0.0	0
	2-8	15-25	---	6.6 - 7.8	0	0	0.0	0
	8-12	---	---	---	---	---	---	---
4155:								
Stewval	0-1	5.0-13	---	7.4 - 8.4	1-5	0	0.0	0
	1-4	12-20	---	7.4 - 8.4	1-5	0	0.0	0-2
	4-8	---	---	---	---	---	---	---
Kyler	0-3	5.0-15	---	7.9 - 9.0	30-40	0	0.0-2.0	0-5
	3-11	5.0-15	---	7.9 - 9.0	30-40	0	0.0-2.0	0-5
	11-15	---	---	---	---	---	---	---
4156:								
Stewval	0-1	5.0-13	---	7.4 - 8.4	1-5	0	0.0	0
	1-4	12-20	---	7.4 - 8.4	1-5	0	0.0	0-2
	4-8	---	---	---	---	---	---	---
Beelem	0-1	10-20	---	7.4 - 8.4	1-5	0	0.0-2.0	0-2
	1-4	10-25	---	7.4 - 8.4	1-5	0	0.0-2.0	0-2
	4-7	---	---	---	---	---	---	---
4157:								
Stewval	0-1	5.0-13	---	7.4 - 8.4	1-5	0	0.0	0-2
	1-4	12-20	---	7.4 - 8.4	1-5	0	0.0	0-2
	4-8	---	---	---	---	---	---	---
Bellehelen	0-2	10-20	---	6.6 - 7.8	0	0	0.0	0
	2-11	10-30	---	6.6 - 7.8	0	0	0.0	0
	11-15	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
4159:								
Stewval	0-1	5.0-13	---	7.4 - 8.4	1-5	0	0.0	0
	1-4	12-20	---	7.4 - 8.4	1-5	0	0.0	0-2
	4-8	---	---	---	---	---	---	---
Gabbvally	0-2	0.0-5.0	---	6.6 - 7.8	0	0	0.0	0
	2-8	15-25	---	6.6 - 7.8	0	0	0.0	0
	8-12	---	---	---	---	---	---	---
Tejabe	0-1	5.0-15	---	6.6 - 7.3	0	0	0.0	0
	1-9	5.0-15	---	6.6 - 7.3	0	0	0.0	0
	9-13	---	---	---	---	---	---	---
4161:								
Terlco	0-2	6.0-10	---	8.5 - 9.0	5-20	0	0.0-2.0	1-12
	2-11	11-22	---	8.5 - 9.6	5-20	0	2.0-8.0	13-30
	11-18	5.0-10	---	8.5 - 9.6	15-30	0	2.0-8.0	31-45
	18-60	2.0-7.0	---	8.5 - 9.6	15-30	0	2.0-8.0	31-45
Izo	0-8	0.0-8.0	---	7.9 - 9.0	1-10	0	0.0-2.0	0-5
	8-60	0.0-8.0	---	7.9 - 9.0	5-20	0	0.0-4.0	0-5
4162:								
Terlco	0-4	6.0-10	---	8.5 - 9.0	5-20	0	0.0-2.0	1-12
	4-17	11-22	---	8.5 - 9.6	5-20	0	2.0-8.0	13-30
	17-25	5.0-10	---	8.5 - 9.6	15-30	0	2.0-8.0	31-45
	25-64	2.0-7.0	---	8.5 - 9.6	15-30	0	2.0-8.0	31-45
Annaw	0-2	2.0-5.0	---	7.9 - 9.0	1-5	0	0.0-2.0	0-12
	2-13	5.0-10	---	7.9 - 9.0	1-5	0	0.0-2.0	0-12
	13-60	0.0-5.0	---	7.9 - 9.0	10-20	0	0.0-4.0	0-12
Izo	0-8	0.0-8.0	---	7.9 - 9.0	1-10	0	0.0-2.0	0-5
	8-60	0.0-8.0	---	7.9 - 9.0	5-20	0	0.0-4.0	0-5
4163:								
Terlco	0-2	6.0-10	---	8.5 - 9.0	5-20	0	0.0-2.0	1-12
	2-11	11-22	---	8.5 - 9.6	5-20	0	2.0-8.0	13-30
	11-18	5.0-10	---	8.5 - 9.6	15-30	0	2.0-8.0	31-45
	18-60	2.0-7.0	---	8.5 - 9.6	15-30	0	2.0-8.0	31-45
Izo	0-8	0.0-4.0	---	7.9 - 9.0	0-5	0	0.0-2.0	0-5
	8-60	0.0-4.0	---	7.9 - 9.0	0-5	0	0.0-4.0	0-5
4165:								
Terlco	0-2	6.0-10	---	8.5 - 9.0	5-20	0	0.0-2.0	1-12
	2-11	11-22	---	8.5 - 9.6	5-20	0	2.0-8.0	13-30
	11-18	5.0-10	---	8.5 - 9.6	15-30	0	2.0-8.0	31-45
	18-60	2.0-7.0	---	8.5 - 9.6	15-30	0	2.0-8.0	31-45

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
4165:								
Wardenot	0-5	1.0-5.0	---	7.4 - 9.0	1-5	0	0.0-4.0	1-12
	5-60	3.0-8.0	---	7.4 - 9.0	1-5	0	0.0-4.0	1-12
Roic	0-2	5.0-15	---	7.9 - 9.0	0-10	0	0.0-2.0	0-5
	2-5	5.0-15	---	7.9 - 9.0	0-10	0	0.0-2.0	0-5
	5-9	---	---	---	---	---	---	---
4166:								
Terlco	0-2	6.0-10	---	8.5 - 9.0	5-20	0	0.0-2.0	1-12
	2-11	11-22	---	8.5 - 9.6	5-20	0	2.0-8.0	13-30
	11-18	5.0-10	---	8.5 - 9.6	15-30	0	2.0-8.0	31-45
	18-60	2.0-7.0	---	8.5 - 9.6	15-30	0	2.0-8.0	31-45
Wardenot	0-5	1.0-5.0	---	7.4 - 9.0	1-5	0	0.0-4.0	1-12
	5-60	3.0-8.0	---	7.4 - 9.0	1-5	0	0.0-4.0	1-12
Roic	0-2	5.0-15	---	7.9 - 9.0	0-10	0	0.0-2.0	0-5
	2-5	5.0-15	---	7.9 - 9.0	0-10	0	0.0-2.0	0-5
	5-9	---	---	---	---	---	---	---
4170:								
Downeyville	0-4	5.0-15	---	7.9 - 8.4	0-5	0	0.0-2.0	0-5
	4-9	10-25	---	7.9 - 9.0	0-10	0	0.0-2.0	0-5
	9-13	---	---	---	---	---	---	---
Blacktop	0-7	5.0-10	---	7.4 - 8.4	0	0	0.0-4.0	0
	7-11	---	---	---	---	---	---	---
4171:								
Downeyville	0-3	5.0-10	---	6.6 - 7.8	0-5	0	0.0-2.0	0-5
	3-10	10-25	---	7.9 - 9.0	0-10	0	0.0-2.0	0-5
	10-14	---	---	---	---	---	---	---
Hawsley	0-8	1.0-5.0	---	6.6 - 8.4	0	0	0.0	0
	8-42	1.0-5.0	---	7.4 - 9.0	1-5	0	0.0-2.0	1-5
	42-60	1.0-5.0	---	7.4 - 9.0	1-5	0	0.0-2.0	2-9
4173:								
Downeyville	0-4	5.0-15	---	7.9 - 8.4	0-5	0	0.0-2.0	0-5
	4-9	10-25	---	7.9 - 9.0	0-10	0	0.0-2.0	0-5
	9-13	---	---	---	---	---	---	---
Stewval	0-1	5.0-13	---	7.4 - 8.4	1-5	0	0.0	0
	1-4	12-20	---	7.4 - 8.4	1-5	0	0.0	0-2
	4-8	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
4173:								
4174:								
Downeyville	0-4	10-20	---	7.9 - 8.4	0-5	0	0.0-2.0	0-5
	4-9	10-25	---	7.9 - 9.0	0-10	0	0.0-2.0	0-5
	9-13	---	---	---	---	---	---	---
Stewval	0-1	5.0-13	---	7.4 - 8.4	1-5	0	0.0	0
	1-4	12-20	---	7.4 - 8.4	1-5	0	0.0	0-2
	4-8	---	---	---	---	---	---	---
Mirkwood	0-2	7.0-14	---	6.6 - 7.8	0	0	0.0	0-5
	2-11	18-26	---	6.6 - 7.8	0-1	0	0.0	0-5
	11-15	---	---	---	---	---	---	---
4175:								
Downeyville	0-4	10-20	---	7.9 - 8.4	0-5	0	0.0-2.0	0-5
	4-9	10-25	---	7.9 - 9.0	0-10	0	0.0-2.0	0-5
	9-13	---	---	---	---	---	---	---
Downeyville	0-4	10-20	---	7.9 - 8.4	0-5	0	0.0-2.0	0-5
	4-9	10-25	---	7.9 - 9.0	0-10	0	0.0-2.0	0-5
	9-13	---	---	---	---	---	---	---
Blacktop	0-7	5.0-10	---	7.4 - 8.4	0	0	0.0-4.0	0
	7-11	---	---	---	---	---	---	---
4176:								
Downeyville	0-4	5.0-15	---	7.9 - 8.4	0-5	0	0.0-2.0	0-5
	4-9	10-25	---	7.9 - 9.0	0-10	0	0.0-2.0	0-5
	9-13	---	---	---	---	---	---	---
Downeyville	0-4	5.0-15	---	7.9 - 8.4	0-5	0	0.0-2.0	0-5
	4-9	10-25	---	7.9 - 9.0	0-10	0	0.0-2.0	0-5
	9-13	---	---	---	---	---	---	---
Gabbvally	0-2	10-20	---	6.6 - 7.8	0	0	0.0	0
	2-8	15-25	---	6.6 - 7.8	0	0	0.0	0
	8-12	---	---	---	---	---	---	---
4177:								
Downeyville	0-4	10-20	---	7.9 - 8.4	0-5	0	0.0-2.0	0-5
	4-9	10-25	---	7.9 - 9.0	0-10	0	0.0-2.0	0-5
	9-13	---	---	---	---	---	---	---
Mirkwood	0-2	7.0-14	---	6.6 - 7.8	0	0	0.0	0-5
	2-11	18-26	---	6.6 - 7.8	0-1	0	0.0	0-5
	11-15	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
4177:								
Nemico	0-2	3.0-7.0	---	6.6 - 9.0	0-1	0	0.0-2.0	1-12
	2-15	21-33	---	7.9 - 9.0	0-5	0	4.0-8.0	31-60
	15-16	---	---	---	---	---	---	---
	16-20	---	---	---	---	---	---	---
4178:								
Downeyville	0-1	5.0-15	---	7.9 - 8.4	0-5	0	0.0-2.0	0-5
	1-6	10-25	---	7.9 - 9.0	0-10	0	0.0-2.0	0-5
	6-10	---	---	---	---	---	---	---
Stewval	0-1	5.0-13	---	7.4 - 8.4	1-5	0	0.0	0-2
	1-4	12-20	---	7.4 - 8.4	1-5	0	0.0	0-2
	4-8	---	---	---	---	---	---	---
Blacktop	0-7	5.0-10	---	7.4 - 8.4	0	0	0.0-4.0	0
	7-11	---	---	---	---	---	---	---
4180:								
Candelaria	0-1	5.0-15	---	8.5 - 9.6	0-5	0	0.0-4.0	5-12
	1-4	5.0-15	---	8.5 - 9.6	0-5	0	0.0-4.0	5-12
	4-16	3.0-10	---	8.5 - 9.6	10-25	0	8.0-16.0	5-12
	16-60	2.0-5.0	---	8.5 - 9.6	5-15	0	4.0-8.0	5-12
Izo	0-8	0.0-4.0	---	7.9 - 9.0	0-5	0	0.0-2.0	0-5
	8-60	0.0-4.0	---	7.9 - 9.0	0-5	0	0.0-4.0	0-5
4181:								
Candelaria	0-1	5.0-15	---	8.5 - 9.6	0-5	0	0.0-4.0	5-12
	1-4	5.0-15	---	8.5 - 9.6	0-5	0	0.0-4.0	5-12
	4-16	3.0-10	---	8.5 - 9.6	10-25	0	8.0-16.0	5-12
	16-60	2.0-5.0	---	8.5 - 9.6	5-15	0	4.0-8.0	5-12
Wardenot	0-5	1.0-5.0	---	7.4 - 9.0	1-5	0	0.0-4.0	1-12
	5-60	3.0-8.0	---	7.4 - 9.0	1-5	0	0.0-4.0	1-12
Izo	0-8	0.0-8.0	---	7.9 - 9.0	1-10	0	0.0-2.0	0-5
	8-60	0.0-8.0	---	7.9 - 9.0	5-20	0	0.0-4.0	0-5
4182:								
Candelaria	0-1	5.0-15	---	8.5 - 9.6	0-5	0	0.0-4.0	5-12
	1-4	5.0-15	---	8.5 - 9.6	0-5	0	0.0-4.0	5-12
	4-16	3.0-10	---	8.5 - 9.6	10-25	0	8.0-16.0	5-12
	16-60	2.0-5.0	---	8.5 - 9.6	5-15	0	4.0-8.0	5-12
Gynelle	0-2	0.0-3.0	---	7.9 - 9.6	1-5	0	0.0-4.0	1-12
	2-60	0.0-8.0	---	7.9 - 9.6	1-20	0	4.0-8.0	13-30

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
4182:								
Izo	0-8	0.0-8.0	---	7.9 - 9.0	1-10	0	0.0-2.0	0-5
	8-60	0.0-8.0	---	7.9 - 9.0	5-20	0	0.0-4.0	0-5
4183:								
Candelaria	0-1	5.0-15	---	8.5 - 9.6	0-5	0	0.0-4.0	5-12
	1-4	5.0-15	---	8.5 - 9.6	0-5	0	0.0-4.0	5-12
	4-16	3.0-10	---	8.5 - 9.6	10-25	0	8.0-16.0	5-12
	16-60	2.0-5.0	---	8.5 - 9.6	5-15	0	4.0-8.0	5-12
Izo	0-8	0.0-4.0	---	7.9 - 9.0	0-5	0	0.0-2.0	0-5
	8-60	0.0-4.0	---	7.9 - 9.0	0-5	0	0.0-4.0	0-5
4184:								
Candelaria	0-1	5.0-15	---	8.5 - 9.6	0-5	0	0.0-4.0	5-12
	1-4	5.0-15	---	8.5 - 9.6	0-5	0	0.0-4.0	5-12
	4-16	3.0-10	---	8.5 - 9.6	10-25	0	8.0-16.0	5-12
	16-60	2.0-5.0	---	8.5 - 9.6	5-15	0	4.0-8.0	5-12
Izo	0-8	0.0-8.0	---	7.9 - 9.0	1-10	0	0.0-2.0	0-5
	8-60	0.0-8.0	---	7.9 - 9.0	5-20	0	0.0-4.0	0-5
4185:								
Candelaria	0-4	0.0-10	---	7.9 - 9.0	0-5	0	0.0-2.0	1-5
	4-16	5.0-15	---	8.5 - 9.6	10-25	0	8.0-16.0	5-12
	16-60	2.0-5.0	---	8.5 - 9.6	5-15	0	4.0-8.0	5-12
Typic Torriorthents	0-6	2.0-5.0	---	7.9 - 9.0	0-5	0	0.0-2.0	1-5
	6-60	5.0-20	---	7.9 - 9.0	0-5	0	0.0-2.0	1-12
4186:								
Candelaria	0-1	5.0-15	---	8.5 - 9.6	0-5	0	0.0-4.0	5-12
	1-4	5.0-15	---	8.5 - 9.6	0-5	0	0.0-4.0	5-12
	4-16	3.0-10	---	8.5 - 9.6	10-25	0	8.0-16.0	5-12
	16-60	2.0-5.0	---	8.5 - 9.6	5-15	0	4.0-8.0	5-12
Roic	0-2	5.0-15	---	7.9 - 9.0	0-10	0	0.0-2.0	0-5
	2-5	5.0-15	---	7.9 - 9.0	0-10	0	0.0-2.0	0-5
	5-9	---	---	---	---	---	---	---
Izo	0-8	0.0-4.0	---	7.9 - 9.0	0-5	0	0.0-2.0	0-5
	8-60	0.0-4.0	---	7.9 - 9.0	0-5	0	0.0-4.0	0-5
4188:								
Candelaria	0-1	5.0-15	---	8.5 - 9.6	0-5	0	0.0-4.0	5-12
	1-4	5.0-15	---	8.5 - 9.6	0-5	0	0.0-4.0	5-12
	4-16	3.0-10	---	8.5 - 9.6	10-25	0	8.0-16.0	5-12
	16-60	2.0-5.0	---	8.5 - 9.6	5-15	0	4.0-8.0	5-12

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
4188:								
Downeyville	0-4	5.0-15	---	7.9 - 8.4	0-5	0	0.0-2.0	0-5
	4-9	10-25	---	7.9 - 9.0	0-10	0	0.0-2.0	0-5
	9-13	---	---	---	---	---	---	---
Annaw	0-2	5.0-10	---	7.9 - 9.0	1-5	0	0.0-2.0	0-12
	2-11	5.0-10	---	7.9 - 9.0	1-5	0	0.0-2.0	0-12
	11-60	0.0-5.0	---	7.9 - 9.0	10-20	0	0.0-4.0	0-12
4189:								
Candelaria	0-1	5.0-15	---	8.5 - 9.6	0-5	0	0.0-4.0	5-12
	1-4	5.0-15	---	8.5 - 9.6	0-5	0	0.0-4.0	5-12
	4-16	3.0-10	---	8.5 - 9.6	10-25	0	8.0-16.0	5-12
	16-60	2.0-5.0	---	8.5 - 9.6	5-15	0	4.0-8.0	5-12
Typic Torriorthents	0-6	2.0-5.0	---	7.9 - 9.0	0-5	0	0.0-2.0	1-5
	6-60	5.0-20	---	7.9 - 9.0	0-5	0	0.0-2.0	1-12
4190:								
Brier	0-4	10-30	---	6.6 - 7.8	0	0	0.0-2.0	0-2
	4-15	15-35	---	6.6 - 7.8	0	0	0.0-2.0	0-2
	15-19	---	---	---	---	---	---	---
Beelem	0-1	10-20	---	7.4 - 8.4	1-5	0	0.0-2.0	0-2
	1-4	10-25	---	7.4 - 8.4	1-5	0	0.0-2.0	0-2
	4-7	---	---	---	---	---	---	---
Wassit	0-6	15-25	---	6.6 - 7.8	0	0	0.0	0
	6-12	25-40	---	6.6 - 7.8	0	0	0.0	0
	12-16	---	---	---	---	---	---	---
4191:								
Brier	0-4	10-30	---	6.6 - 7.8	0	0	0.0-2.0	0-2
	4-15	15-35	---	6.6 - 7.8	0	0	0.0-2.0	0-2
	15-19	---	---	---	---	---	---	---
Brawley	0-7	15-25	---	6.6 - 7.3	0	0	0.0	0
	7-27	40-55	---	6.6 - 7.3	0	0	0.0	0
	27-31	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
Fluvaquentic Haplaquolls	---	---	---	---	---	---	---	---
4192:								
Brier	0-4	10-30	---	6.6 - 7.8	0	0	0.0-2.0	0-2
	4-15	15-35	---	6.6 - 7.8	0	0	0.0-2.0	0-2
	15-19	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
4192:								
Katyblay	0-16	15-20	---	6.1 - 7.3	0	0	0.0	0
	16-33	15-20	---	6.1 - 7.3	0	0	0.0	0
	33-60	15-25	---	5.6 - 6.5	0	0	0.0	0
Hiridge	0-4	5.0-20	---	6.6 - 7.8	0	0	0.0-2.0	0-2
	4-18	15-35	---	6.6 - 7.8	0	0	0.0-2.0	0-2
	18-23	---	---	---	---	---	---	---
	23-27	---	---	---	---	---	---	---
4200:								
Sonoma	0-6	10-20	---	7.9 - 9.0	3-12	0	2.0-4.0	1-12
	6-44	25-35	---	7.9 - 9.0	3-12	0	0.0-2.0	1-5
	44-60	5.0-15	---	7.9 - 9.0	3-12	0	0.0-2.0	0-2
4210:								
Sagouspe	0-11	0.0-3.0	---	7.4 - 9.0	0-3	0	2.0-4.0	0-2
	11-60	0.0-8.0	---	7.4 - 8.4	0-3	0	0.0-2.0	0-2
4211:								
Sagouspe	0-11	0.0-3.0	---	6.6 - 8.4	0-3	0	0.0-2.0	0-2
	11-60	0.0-8.0	---	7.9 - 9.0	0-3	0	0.0-4.0	0-2
4212:								
Sagouspe	0-11	0.0-3.0	---	6.6 - 8.4	0-3	0	0.0-2.0	0-2
	11-60	0.0-8.0	---	7.9 - 9.0	0-3	0	0.0-4.0	0-2
4220:								
Patna	0-8	2.0-8.0	---	6.6 - 7.8	0	0	0.0	0
	8-15	5.0-15	---	6.6 - 7.8	0	0	0.0	0
	15-36	0.0-3.0	---	7.4 - 8.4	1-5	0	0.0-2.0	0
	36-60	0.0-3.0	---	7.4 - 8.4	1-5	0	0.0-2.0	0-2
Hawsley	0-8	1.0-5.0	---	6.6 - 8.4	0	0	0.0	0
	8-42	1.0-5.0	---	7.4 - 9.0	1-5	0	0.0-2.0	1-5
	42-60	1.0-5.0	---	7.4 - 9.0	1-5	0	0.0-2.0	2-9
Playas	0-6	24-35	---	8.5 - 9.6	1-5	1-5	16.0-32.0	46-90
	6-60	30-60	---	8.5 - 9.6	1-10	1-10	16.0-32.0	46-90
4221:								
Patna	0-6	2.0-8.0	---	6.6 - 7.8	0	0	0.0	0
	6-24	5.0-15	---	6.6 - 7.8	0	0	0.0	0
	24-43	0.0-3.0	---	7.4 - 8.4	1-5	0	0.0-2.0	0
	43-60	0.0-3.0	---	7.4 - 8.4	1-5	0	0.0-2.0	0-2
Playas	0-6	24-35	---	8.5 - 9.6	1-5	1-5	16.0-32.0	46-90
	6-60	30-60	---	8.5 - 9.6	1-10	1-10	16.0-32.0	46-90

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
4230:								
Typic Torriorthents	0-6	2.0-5.0	---	7.9 - 9.0	0-5	0	0.0-2.0	1-5
	6-60	5.0-20	---	7.9 - 9.0	0-5	0	0.0-2.0	1-12
Patna	0-6	2.0-8.0	---	6.6 - 7.8	0	0	0.0	0
	6-24	5.0-15	---	6.6 - 7.8	0	0	0.0	0
	24-43	0.0-3.0	---	7.4 - 8.4	1-5	0	0.0-2.0	0
	43-60	0.0-3.0	---	7.4 - 8.4	1-5	0	0.0-2.0	0-2
Badland	0-6	20-40	---	7.4 - 9.6	1-5	1-10	0.0-32.0	0-99
	6-60	20-40	---	7.4 - 9.6	1-10	1-15	0.0-32.0	0-99
4240:								
Typic Torriorthents	0-6	2.0-5.0	---	7.9 - 9.0	0-5	0	0.0-2.0	1-5
	6-60	5.0-20	---	7.9 - 9.0	0-5	0	0.0-2.0	1-12
4250:								
Bango	0-6	3.0-8.0	---	7.9 - 9.0	1-5	0	4.0-8.0	5-12
	6-12	12-19	---	7.9 - 9.0	1-5	0	4.0-8.0	5-12
	12-60	11-16	---	7.9 - 9.0	5-10	1-2	4.0-16.0	13-30
Hawsley	0-8	1.0-5.0	---	6.6 - 8.4	0	0	0.0	0
	8-42	1.0-5.0	---	7.4 - 9.0	1-5	0	0.0-2.0	1-5
	42-60	1.0-5.0	---	7.4 - 9.0	1-5	0	0.0-2.0	2-9
Playas	0-6	24-35	---	8.5 - 9.6	1-5	1-5	16.0-32.0	46-90
	6-60	30-60	---	8.5 - 9.6	1-10	1-10	16.0-32.0	46-90
5010:								
Mopana	0-4	10-15	---	6.6 - 7.3	0	0	0.0	0
	4-8	15-20	---	6.6 - 7.3	0	0	0.0	0
	8-19	30-50	---	6.6 - 7.8	0-2	0	0.0-2.0	0
	19-60	---	---	---	---	---	---	---
Nire	0-15	10-20	---	6.6 - 7.3	0	0	0.0	0
	15-39	10-20	---	6.6 - 7.3	0	0	0.0	0
	39-60	30-45	---	6.6 - 7.3	0	0	0.0	0
5011:								
Mopana	0-4	10-15	---	6.6 - 7.3	0	0	0.0	0
	4-8	15-20	---	6.6 - 7.3	0	0	0.0	0
	8-19	30-50	---	6.6 - 7.8	0-2	0	0.0-2.0	0
	19-60	---	---	---	---	---	---	---
Holtle Variant	0-13	10-20	---	6.1 - 7.3	0	0	0.0	0
	13-50	10-20	---	6.6 - 7.8	0	0	0.0	0
	50-60	---	---	---	---	---	---	---
5050:								

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
5050:								
Nire	0-15	10-20	---	6.6 - 7.3	0	0	0.0	0
	15-39	10-20	---	6.6 - 7.3	0	0	0.0	0
	39-60	30-45	---	6.6 - 7.3	0	0	0.0	0
Epvip	0-8	15-25	---	6.1 - 7.3	0	0	0.0	0
	8-19	25-35	---	6.1 - 7.3	0	0	0.0	0
	19-30	---	---	---	---	---	---	---
	30-34	---	---	---	---	---	---	---
Hiridge	0-4	5.0-20	---	6.6 - 7.8	0	0	0.0	0
	4-18	15-35	---	6.6 - 7.8	0	0	0.0	0
	18-23	---	---	---	---	---	---	---
	23-27	---	---	---	---	---	---	---
5051:								
Nire	0-15	10-20	---	6.6 - 7.3	0	0	0.0	0
	15-39	10-20	---	6.6 - 7.3	0	0	0.0	0
	39-60	30-45	---	6.6 - 7.3	0	0	0.0	0
5052:								
Nire	0-15	10-20	---	6.6 - 7.3	0	0	0.0	0
	15-39	10-20	---	6.6 - 7.3	0	0	0.0	0
	39-60	30-45	---	6.6 - 7.3	0	0	0.0	0
Hiridge	0-4	5.0-20	---	6.6 - 7.8	0	0	0.0	0
	4-18	15-35	---	6.6 - 7.8	0	0	0.0	0
	18-23	---	---	---	---	---	---	---
	23-27	---	---	---	---	---	---	---
5080:								
Epvip	0-8	15-25	---	6.1 - 7.3	0	0	0.0	0
	8-19	25-35	---	6.1 - 7.3	0	0	0.0	0
	19-30	---	---	---	---	---	---	---
	30-34	---	---	---	---	---	---	---
Hiridge	0-4	5.0-20	---	6.6 - 7.8	0	0	0.0	0
	4-18	15-35	---	6.6 - 7.8	0	0	0.0	0
	18-23	---	---	---	---	---	---	---
	23-27	---	---	---	---	---	---	---
Katyblay	0-16	15-20	---	6.1 - 7.3	0	0	0.0	0
	16-33	15-20	---	6.1 - 7.3	0	0	0.0	0
	33-60	15-25	---	5.6 - 6.5	0	0	0.0	0
5100:								

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
5100:								
Oricto	0-3	5.0-15	---	8.5 - 9.6	5-25	0	0.0-4.0	1-12
	3-8	10-25	---	8.5 - 9.6	10-30	0	4.0-8.0	6-12
	8-14	10-25	---	8.5 - 9.6	10-30	0	8.0-16.0	13-90
	14-60	5.0-15	---	8.5 - 9.6	10-30	0-1	8.0-16.0	13-90
Gynelle	0-3	0.0-3.0	---	7.9 - 9.6	1-5	0	0.0-4.0	1-12
	3-60	0.0-8.0	---	7.9 - 9.6	1-20	0	4.0-8.0	13-30
Izo	0-8	0.0-8.0	---	7.9 - 9.0	1-10	0	0.0-2.0	0-5
	8-60	0.0-8.0	---	7.9 - 9.0	5-20	0	0.0-4.0	0-5
5101:								
Oricto	0-3	5.0-15	---	8.5 - 9.6	5-25	0	0.0-4.0	1-12
	3-8	10-25	---	8.5 - 9.6	10-30	0	4.0-8.0	6-12
	8-14	10-25	---	8.5 - 9.6	10-30	0	8.0-16.0	13-90
	14-60	5.0-15	---	8.5 - 9.6	10-30	0-1	8.0-16.0	13-90
Izo	0-8	0.0-8.0	---	7.9 - 9.0	1-10	0	0.0-2.0	0-5
	8-60	0.0-8.0	---	7.9 - 9.0	5-20	0	0.0-4.0	0-5
5103:								
Oricto	0-3	5.0-10	---	7.9 - 8.4	1-3	0	0.0-4.0	1-12
	3-8	15-25	---	8.5 - 9.6	10-25	0	4.0-8.0	6-12
	8-14	5.0-15	---	8.5 - 9.6	10-30	0	8.0-16.0	13-90
	14-60	5.0-15	---	8.5 - 9.6	5-25	0	8.0-16.0	13-90
Sundown	0-3	0.0-3.0	---	7.9 - 9.0	1-5	0	0.0-2.0	0-2
	3-60	3.0-8.0	---	7.9 - 9.0	1-5	0	0.0-2.0	0-2
Oricto	0-3	5.0-15	---	8.5 - 9.6	5-25	0	2.0-4.0	1-12
	3-8	10-25	---	8.5 - 9.6	10-30	0	4.0-8.0	6-12
	8-14	10-25	---	8.5 - 9.6	10-30	0	8.0-16.0	13-90
	14-60	5.0-15	---	8.5 - 9.6	10-30	0-1	8.0-16.0	13-90
5105:								
Oricto	0-3	0.0-5.0	---	8.5 - 9.6	5-25	0	0.0-4.0	1-12
	3-8	10-25	---	8.5 - 9.6	10-30	0	4.0-8.0	6-12
	8-14	10-25	---	8.5 - 9.6	10-30	0	8.0-16.0	13-90
	14-60	5.0-15	---	8.5 - 9.6	10-30	0-1	8.0-16.0	13-90
Luning	0-6	1.0-5.0	---	7.9 - 9.0	1-10	0	0.0-2.0	1-5
	6-35	1.0-5.0	---	7.9 - 9.0	1-10	0	0.0-2.0	1-5
	35-60	1.0-5.0	---	7.9 - 9.6	1-10	0	0.0-4.0	5-12
5106:								

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
5106:								
Oricto	0-3	5.0-15	---	8.5 - 9.6	5-25	0	0.0-4.0	1-12
	3-8	10-25	---	8.5 - 9.6	10-30	0	4.0-8.0	6-12
	8-14	10-25	---	8.5 - 9.6	10-30	0	8.0-16.0	13-90
	14-60	5.0-15	---	8.5 - 9.6	10-30	0-1	8.0-16.0	13-90
Barnmot	0-2	20-30	---	7.9 - 8.4	0-3	0	0.0-2.0	1-5
	2-60	30-50	---	7.9 - 9.0	1-3	0	0.0-8.0	1-12
Gynelle	0-2	0.0-3.0	---	7.9 - 9.6	1-5	0	0.0-4.0	1-12
	2-60	0.0-8.0	---	7.9 - 9.6	1-20	0	4.0-8.0	13-30
5107:								
Oricto	0-3	5.0-15	---	8.5 - 9.6	5-25	0	0.0-4.0	1-12
	3-8	15-25	---	8.5 - 9.6	10-25	0	4.0-8.0	6-12
	8-14	5.0-15	---	8.5 - 9.6	10-30	0	8.0-16.0	13-90
	14-60	5.0-15	---	8.5 - 9.6	5-25	0-1	8.0-16.0	13-90
Terlco	0-2	6.0-10	---	8.5 - 9.0	5-20	0	0.0-2.0	1-12
	2-11	11-22	---	8.5 - 9.6	5-20	0	2.0-8.0	13-30
	11-18	5.0-10	---	8.5 - 9.6	15-30	0	2.0-8.0	31-45
	18-60	2.0-7.0	---	8.5 - 9.6	15-30	0	2.0-8.0	31-45
Roic	0-2	5.0-15	---	7.9 - 9.0	0-10	0	0.0-2.0	0-5
	2-5	5.0-15	---	7.9 - 9.0	0-10	0	0.0-2.0	0-5
	5-9	---	---	---	---	---	---	---
5110:								
Cucamungo Variant	0-7	5.0-10	---	6.6 - 7.8	0	0	0.0	0
	7-11	10-20	---	6.6 - 7.8	0	0	0.0	0
	11-21	15-30	---	6.6 - 7.8	0	0	0.0	0
	21-25	---	---	---	---	---	---	---
6000:								
Hiridge	0-4	5.0-20	---	6.6 - 7.8	0	0	0.0	0
	4-18	15-35	---	6.6 - 7.8	0	0	0.0	0
	18-23	---	---	---	---	---	---	---
	23-27	---	---	---	---	---	---	---
Katyblay	0-16	15-20	---	6.1 - 7.3	0	0	0.0	0
	16-33	15-20	---	6.1 - 7.3	0	0	0.0	0
	33-60	15-25	---	5.6 - 6.5	0	0	0.0	0
Granmount	0-10	10-20	---	6.1 - 7.3	0	0	0.0	0
	10-33	35-45	---	6.1 - 7.3	0	0	0.0	0
	33-60	25-35	---	6.1 - 7.3	0	0	0.0	0
6001:								

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
6001:								
Hiridge	0-4	5.0-20	---	6.6 - 7.8	0	0	0.0	0
	4-18	15-35	---	6.6 - 7.8	0	0	0.0	0
	18-23	---	---	---	---	---	---	---
	23-27	---	---	---	---	---	---	---
6010:								
Typic Cryorthents	0-22	10-30	---	6.1 - 6.5	0	0	0.0	0
	22-60	10-30	---	6.1 - 7.3	0	0	0.0	0
6020:								
Celeton	0-2	5.0-10	---	7.4 - 9.0	1-5	0	0.0-4.0	0-2
	2-5	5.0-10	---	7.4 - 9.0	1-5	0	0.0-2.0	0-2
	5-9	---	---	---	---	---	---	---
Dumps	---	---	---	---	---	---	---	---
Izo	0-8	0.0-8.0	---	7.9 - 9.0	1-10	0	0.0-2.0	0-5
	8-60	0.0-8.0	---	7.9 - 9.0	5-20	0	0.0-4.0	0-5
6060:								
Wiskiflat	0-10	2.0-8.0	---	6.6 - 7.3	0	0	0.0	0
	10-60	2.0-8.0	---	6.6 - 7.8	0	0	0.0	0
6070:								
Breko	0-5	5.0-20	---	7.9 - 9.0	0-5	0	0.0-2.0	0-2
	5-19	15-30	---	7.9 - 9.0	5-20	0	0.0-2.0	0-2
	19-60	5.0-15	---	7.9 - 9.0	10-30	0	0.0-2.0	0-2
Crunker	0-12	5.0-10	---	7.9 - 8.4	0	0	0.0-2.0	0
	12-60	3.0-10	---	7.9 - 9.6	1-5	0	0.0-2.0	0-2
6071:								
Breko	0-6	3.0-10	---	7.9 - 9.0	0-5	0	0.0-2.0	0-2
	6-21	15-30	---	7.9 - 9.0	5-20	0	0.0-2.0	0-2
	21-29	15-30	---	7.9 - 9.0	10-30	0	0.0-2.0	0-2
	29-60	5.0-15	---	7.9 - 9.0	10-30	0	0.0-2.0	0-2
6072:								
Breko	0-6	5.0-20	---	7.9 - 9.0	0-5	0	0.0-2.0	0-2
	6-21	15-30	---	7.9 - 9.0	5-20	0	0.0-2.0	0-2
	21-29	15-30	---	7.9 - 9.0	10-30	0	0.0-2.0	0-2
	29-60	5.0-15	---	7.9 - 9.0	10-30	0	0.0-2.0	0-2
Wiskiflat	0-10	2.0-8.0	---	6.6 - 7.3	0	0	0.0	0
	10-60	2.0-8.0	---	6.6 - 7.8	0	0	0.0-2.0	0
6073:								

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
6073:								
Breko	0-6	5.0-20	---	7.9 - 9.0	0-5	0	0.0-2.0	0-2
	6-21	15-30	---	7.9 - 9.0	5-20	0	0.0-2.0	0-2
	21-29	15-30	---	7.9 - 9.0	10-30	0	0.0-2.0	0-2
	29-60	5.0-15	---	7.9 - 9.0	10-30	0	0.0-2.0	0-2
6081:								
Handpah	0-3	10-20	---	7.4 - 8.4	0-5	0	0.0-2.0	0-2
	3-15	15-30	---	7.4 - 9.0	0-10	0	0.0-2.0	0-2
	15-24	---	---	---	---	---	---	---
	24-60	---	---	---	---	---	---	---
Breko	0-6	5.0-20	---	7.9 - 9.0	0-5	0	0.0-2.0	0-2
	6-21	15-30	---	7.9 - 9.0	5-20	0	0.0-2.0	0-2
	21-29	15-30	---	7.9 - 9.0	10-30	0	0.0-2.0	0-2
	29-60	5.0-15	---	7.9 - 9.0	10-30	0	0.0-2.0	0-2
Crunker	0-12	5.0-10	---	7.9 - 8.4	0	0	0.0-2.0	0
	12-60	3.0-10	---	7.9 - 9.6	1-5	0	0.0-2.0	0-2
6082:								
Handpah	0-6	5.0-15	---	7.4 - 8.4	0-5	0	0.0-2.0	0-2
	6-17	15-30	---	7.4 - 9.0	0-10	0	0.0-2.0	0-2
	17-19	2.0-5.0	---	7.4 - 9.0	10-20	0	0.0-2.0	0-2
	19-22	---	---	---	---	---	---	---
	22-60	---	---	---	---	---	---	---
Breko	0-6	5.0-20	---	7.9 - 9.0	0-5	0	0.0-2.0	0-2
	6-21	15-30	---	7.9 - 9.0	5-20	0	0.0-2.0	0-2
	21-29	15-30	---	7.9 - 9.0	10-30	0	0.0-2.0	0-2
	29-60	5.0-15	---	7.9 - 9.0	10-30	0	0.0-2.0	0-2
6092:								
Beelem	0-1	10-20	---	7.4 - 8.4	1-5	0	0.0-2.0	0-2
	1-4	10-25	---	7.4 - 8.4	1-5	0	0.0-2.0	0-2
	4-7	---	---	---	---	---	---	---
Wassit	0-6	15-25	---	6.6 - 7.8	0	0	0.0	0
	6-12	25-40	---	6.6 - 7.8	0	0	0.0	0
	12-16	---	---	---	---	---	---	---
6093:								
Beelem	0-1	10-20	---	7.4 - 8.4	1-5	0	0.0-2.0	0-2
	1-4	10-25	---	7.4 - 8.4	1-5	0	0.0-2.0	0-2
	4-7	---	---	---	---	---	---	---
Stewval	0-1	5.0-13	---	7.4 - 8.4	1-5	0	0.0	0
	1-4	12-20	---	7.4 - 8.4	1-5	0	0.0	0-2
	4-8	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
6093:								
Rock Outcrop	---	---	---	---	---	---	---	---
6094:								
Beelem	0-1	10-20	---	7.4 - 8.4	1-5	0	0.0-2.0	0-2
	1-4	10-25	---	7.4 - 8.4	1-5	0	0.0-2.0	0-2
	4-7	---	---	---	---	---	---	---
Bellehelen	0-5	10-20	---	6.6 - 7.8	0	0	0.0	0
	5-11	10-30	---	6.6 - 7.8	0	0	0.0	0
	11-15	---	---	---	---	---	---	---
Stewval	0-1	5.0-13	---	7.4 - 8.4	1-5	0	0.0	0
	1-4	12-20	---	7.4 - 8.4	1-5	0	0.0	0-2
	4-8	---	---	---	---	---	---	---
7000:								
Logring	0-3	5.0-15	---	7.9 - 9.0	15-30	0	0.0-4.0	0-5
	3-13	5.0-15	---	7.9 - 9.0	15-30	0	0.0-4.0	0-5
	13-17	---	---	---	---	---	---	---
Kyler	0-3	5.0-15	---	7.9 - 9.0	30-40	0	0.0-2.0	0-5
	3-7	5.0-15	---	7.9 - 9.0	30-40	0	0.0-2.0	0-5
	7-11	---	---	---	---	---	---	---
7001:								
Logring	0-3	5.0-15	---	7.9 - 9.0	15-30	0	0.0-4.0	0-5
	3-13	5.0-15	---	7.9 - 9.0	15-30	0	0.0-4.0	0-5
	13-17	---	---	---	---	---	---	---
Kyler	0-3	5.0-15	---	7.9 - 9.0	30-40	0	0.0-2.0	0-5
	3-7	5.0-15	---	7.9 - 9.0	30-40	0	0.0-2.0	0-5
	7-11	---	---	---	---	---	---	---
7002:								
Logring	0-3	5.0-15	---	7.9 - 9.0	15-30	0	0.0-4.0	0-5
	3-13	5.0-15	---	7.9 - 9.0	15-30	0	0.0-4.0	0-5
	13-17	---	---	---	---	---	---	---
Eaglepass	0-1	5.0-15	---	7.9 - 9.0	15-30	0	0.0-2.0	0-5
	1-4	5.0-15	---	7.9 - 9.0	15-30	0	0.0-2.0	0-5
	4-7	---	---	---	---	---	---	---
Kyler	0-3	5.0-15	---	7.9 - 9.0	30-40	0	0.0-2.0	0-5
	3-7	5.0-15	---	7.9 - 9.0	30-40	0	0.0-2.0	0-5
	7-11	---	---	---	---	---	---	---
7010:								

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
7010:								
Armoine	0-4	3.0-12	---	7.4 - 8.4	0-5	0	0.0-2.0	0-5
	4-15	10-20	---	7.4 - 9.0	0-20	0	0.0-2.0	0-5
	15-19	---	---	---	---	---	---	---
Beelem	0-1	10-20	---	7.4 - 8.4	1-5	0	0.0-2.0	0-2
	1-4	10-25	---	7.4 - 8.4	1-5	0	0.0-2.0	0-2
	4-7	---	---	---	---	---	---	---
7012:								
Armoine	0-5	10-20	---	7.4 - 8.4	0-5	0	0.0-2.0	0-5
	5-15	10-20	---	7.4 - 9.0	0-20	0	0.0-2.0	0-5
	15-19	---	---	---	---	---	---	---
Petspring	0-1	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	1-3	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	3-7	---	---	---	---	---	---	---
7020:								
Squawtip	0-10	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	10-31	10-20	---	6.6 - 7.8	0	0	0.0	0
	31-35	---	---	---	---	---	---	---
Brier	0-7	10-30	---	6.6 - 7.8	0	0	0.0-2.0	0
	7-15	15-35	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
7021:								
Squawtip	0-5	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	5-38	10-20	---	6.6 - 7.8	0	0	0.0	0
	38-42	---	---	---	---	---	---	---
Gabbvally	0-2	10-20	---	6.6 - 7.8	0	0	0.0	0
	2-8	15-25	---	6.6 - 7.8	0	0	0.0	0
	8-12	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
8030:								
Ravenswood	0-10	15-30	---	6.6 - 7.8	0	0	0.0	0
	10-13	20-35	---	6.6 - 7.8	0	0	0.0	0
	13-30	20-40	---	6.6 - 7.8	0	0	0.0	0
	30-34	---	---	---	---	---	---	---
Brier	0-4	10-30	---	6.6 - 7.8	0	0	0.0	0
	4-15	15-35	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Mineral County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
8030:								
Itca	0-2	11-25	---	6.6 - 7.8	0	0	0.0	0
	2-14	23-38	---	6.6 - 8.4	0	0	0.0-2.0	0
	14-18	---	---	---	---	---	---	---
8040:								
Jetcop	0-6	10-20	---	6.6 - 7.8	0	0	0.0	0
	6-16	40-55	---	6.6 - 7.8	0	0	0.0	0
	16-60	---	---	---	---	---	---	---
Gabbvally	0-2	10-20	---	6.6 - 7.8	0	0	0.0	0
	2-8	15-25	---	6.6 - 7.8	0	0	0.0	0
	8-12	---	---	---	---	---	---	---
8050:								
Itca	0-2	11-25	---	6.6 - 7.8	0	0	0.0	0
	2-14	23-38	---	6.6 - 8.4	0	0	0.0-2.0	0
	14-18	---	---	---	---	---	---	---
Teguro	0-4	8.0-17	---	6.1 - 7.3	0	0	0.0	0
	4-15	16-25	---	6.1 - 7.3	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
8060:								
Water	---	---	---	---	---	---	---	---