

## Table J2. - Chemical Properties of the Soils

Washoe County, Nevada, South Part

Absence of an entry indicates that data were not estimated.

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
101:								
Aquinas	0-7	10-15	---	5.6 - 6.5	0	0	0.0	0
	7-37	15-25	---	5.6 - 7.8	0	0	0.0	0
	37-46	---	---	---	---	---	---	---
	46-60	---	---	---	---	---	---	---
102:								
Aquinas	0-7	10-15	---	5.6 - 6.5	0	0	0.0	0
	7-37	15-25	---	5.6 - 7.8	0	0	0.0	0
	37-46	---	---	---	---	---	---	---
	46-60	---	---	---	---	---	---	---
106:								
Aquinas, eroded	0-1	10-15	---	5.6 - 6.5	0	0	0.0	0
	1-29	15-25	---	5.6 - 7.8	0	0	0.0	0
	29-36	---	---	---	---	---	---	---
	36-60	---	---	---	---	---	---	---
110:								
Jowec Variant	0-10	5.0-15	---	5.6 - 6.5	0	0	0.0	0
	10-20	30-40	---	6.1 - 7.3	0	0	0.0	0
	20-66	20-30	---	7.4 - 8.4	0-1	0	0.0-4.0	0
111:								
Jowec Variant	0-12	5.0-15	---	5.6 - 6.5	0	0	0.0	0
	12-22	30-40	---	6.1 - 7.3	0	0	0.0	0
	22-60	20-30	---	7.4 - 8.4	0-1	0	0.0-4.0	0
Greenbrae	0-10	10-20	---	5.6 - 7.3	0	0	0.0	0
	10-28	20-30	---	6.1 - 7.8	0	0	0.0	0
	28-63	2.0-10	---	6.6 - 7.8	0	0	0.0	0
120:								
Doten	0-21	30-50	---	7.9 - 9.6	0	0	8.0-16.0	1-12
	21-62	30-50	---	7.9 - 9.6	1-5	0-1	0.0-16.0	1-12
Playas	0-6	20-40	---	7.4 - 8.4	1-10	1-10	0.0-4.0	1-5
	6-60	20-40	---	7.4 - 8.4	1-10	1-10	0.0-4.0	1-5
121:								
Doten	0-21	30-50	---	7.9 - 9.6	0	0	8.0-16.0	1-12
	21-62	30-50	---	7.9 - 9.6	1-5	0-1	0.0-16.0	1-12
130:								

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
130:								
Greenbrae, clayey substratum	0-5	10-20	---	5.6 - 7.3	0	0	0.0	0
	5-22	20-30	---	6.1 - 7.3	0	0	0.0	0
	22-51	5.0-10	---	6.1 - 7.3	0	0	0.0	0
	51-68	20-30	---	7.9 - 9.0	1-5	0	2.0-4.0	1-5
131:								
Greenbrae	0-10	10-20	---	5.6 - 7.3	0	0	0.0	0
	10-28	20-30	---	6.1 - 7.8	0	0	0.0	0
	28-63	2.0-10	---	6.6 - 7.8	0	0	0.0	0
132:								
Greenbrae	0-8	10-20	---	5.6 - 7.3	0	0	0.0	0
	8-28	20-30	---	6.1 - 7.8	0	0	0.0	0
	28-63	2.0-10	---	6.6 - 7.8	0	0	0.0	0
134:								
Greenbrae, clayey substratum	0-6	10-20	---	5.6 - 7.3	0	0	0.0	0
	6-24	20-30	---	6.1 - 7.3	0	0	0.0	0
	24-52	5.0-10	---	6.1 - 7.3	0	0	0.0	0
	52-68	20-30	---	7.9 - 9.0	1-5	0	2.0-4.0	1-5
136:								
Greenbrae	0-12	10-20	---	5.6 - 7.3	0	0	0.0	0
	12-32	20-30	---	6.1 - 7.8	0	0	0.0	0
	32-63	2.0-10	---	6.6 - 7.8	0	0	0.0	0
140:								
Haybourne	0-10	2.0-10	---	6.6 - 7.8	0	0	0.0	0
	10-26	5.0-15	---	6.6 - 8.4	0	0	0.0	0
	26-63	5.0-10	---	6.6 - 8.4	0-1	0	0.0	0
141:								
Haybourne	0-10	2.0-10	---	6.6 - 7.8	0	0	0.0	0
	10-26	5.0-15	---	6.6 - 8.4	0	0	0.0	0
	26-60	5.0-10	---	6.6 - 8.4	0-1	0	0.0	0
142:								
Haybourne	0-12	2.0-10	---	6.6 - 7.8	0	0	0.0	0
	12-28	5.0-15	---	6.6 - 8.4	0	0	0.0	0
	28-60	5.0-10	---	6.6 - 8.4	0-1	0	0.0	0
150:								
Doten Variant, slightly saline	0-5	35-45	---	8.5 - 9.6	5-10	0	4.0-8.0	1-12
	5-72	30-50	---	8.5 - 9.6	5-10	0-1	4.0-16.0	1-12
151:								
Doten Variant, strongly saline	0-5	35-45	---	8.5 - 9.6	5-10	0	16.0-32.0	13-30
	5-72	30-50	---	8.5 - 9.6	5-10	0-1	4.0-16.0	1-12

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
151:								
160:								
Incy	0-9	1.0-5.0	---	6.6 - 7.3	0	0	0.0	0
	9-60	1.0-5.0	---	6.6 - 7.8	0	0	0.0	0
161:								
Incy, hilly	0-12	1.0-5.0	---	6.6 - 7.3	0	0	0.0	0
	12-60	1.0-5.0	---	6.6 - 7.8	0	0	0.0	0
Playas	0-6	20-40	---	7.4 - 8.4	1-10	1-10	0.0-4.0	1-5
	6-60	20-40	---	7.4 - 8.4	1-10	1-10	0.0-4.0	1-5
171:								
Indian Creek	0-7	10-20	---	6.1 - 7.3	0	0	0.0	0
	7-18	30-45	---	6.1 - 7.8	0-5	0	0.0	0
	18-25	---	---	---	---	---	---	---
	25-60	5.0-15	---	6.6 - 9.0	1-5	0	0.0-4.0	0-5
172:								
Indian Creek	0-8	10-20	---	6.1 - 7.8	0	0	0.0	0
	8-18	30-45	---	6.1 - 7.8	0-5	0	0.0	0
	18-25	---	---	---	---	---	---	---
	25-60	5.0-15	---	6.6 - 9.0	1-5	0	0.0-4.0	0-5
173:								
Indian Creek	0-8	10-20	---	6.1 - 7.8	0	0	0.0	0
	8-18	30-45	---	6.1 - 7.8	0-5	0	0.0	0
	18-25	---	---	---	---	---	---	---
	25-60	5.0-15	---	6.6 - 9.0	1-5	0	0.0-4.0	0-5
174:								
Indian Creek	0-7	10-20	---	6.1 - 7.3	0	0	0.0	0
	7-19	25-45	---	6.1 - 7.3	0-5	0	0.0	0
	19-23	---	---	---	---	---	---	---
	23-60	---	---	---	---	---	---	---
175:								
Indian Creek	0-7	10-25	---	6.1 - 7.3	0	0	0.0	0
	7-19	25-45	---	6.1 - 7.8	0-1	0	0.0	0
	19-23	---	---	---	---	---	---	---
	23-60	5.0-20	---	6.6 - 9.0	0-5	0	0.0-4.0	0
176:								
Indian Creek	0-7	20-25	---	6.1 - 7.3	0	0	0.0	0
	7-19	30-45	---	6.1 - 7.8	0-5	0	0.0	0
	19-23	---	---	---	---	---	---	---
	23-60	5.0-15	---	6.6 - 9.0	1-5	0	0.0-4.0	0-5

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
176:								
Reno	0-2	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	2-24	30-50	---	6.1 - 7.3	0	0	0.0	0
	24-47	---	---	---	---	---	---	---
	47-51	---	---	---	---	---	---	---
Washoe	0-8	10-20	---	6.1 - 7.3	0	0	0.0	0
	8-38	15-25	---	6.1 - 7.3	0	0	0.0	0
	38-60	5.0-15	---	6.1 - 7.3	0	0	0.0	0
190:								
Manogue	0-2	35-50	---	6.1 - 8.4	0	0	0.0-2.0	0
	2-63	30-45	---	7.4 - 8.4	0-5	0	0.0-4.0	0
	63-72	---	---	---	---	---	---	---
191:								
Manogue	0-3	35-50	---	6.1 - 8.4	0	0	0.0-2.0	0
	3-41	30-45	---	7.4 - 8.4	0-5	0	0.0-4.0	0
	41-63	30-45	---	7.4 - 8.4	1-5	0	2.0-8.0	0
	63-67	---	---	---	---	---	---	---
192:								
Manogue	0-4	35-50	---	6.1 - 8.4	0	0	0.0-2.0	0
	4-63	30-45	---	7.4 - 8.4	0-5	0	0.0-4.0	0
	63-72	---	---	---	---	---	---	---
200:								
Northmore	0-15	5.0-15	---	5.6 - 7.3	0	0	0.0	0
	15-45	30-40	---	5.6 - 7.3	0	0	0.0	0
	45-60	10-20	---	6.1 - 7.8	0	0	0.0	0
Other Soils	---	---	---	---	---	---	---	---
201:								
Northmore	0-10	5.0-15	---	5.6 - 7.3	0	0	0.0	0
	10-45	30-40	---	5.6 - 7.3	0	0	0.0	0
	45-60	10-20	---	6.1 - 7.8	0	0	0.0	0
Other Soils	---	---	---	---	---	---	---	---
202:								
Northmore	0-9	5.0-15	---	5.6 - 7.3	0	0	0.0	0
	9-45	30-40	---	5.6 - 7.3	0	0	0.0	0
	45-60	10-20	---	6.1 - 7.8	0	0	0.0	0
Other Soils	---	---	---	---	---	---	---	---
203:								

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
203:								
Northmore	0-9	5.0-15	---	5.6 - 7.3	0	0	0.0	0
	9-45	30-40	---	5.6 - 7.3	0	0	0.0	0
	45-60	10-20	---	6.1 - 7.8	0	0	0.0	0
210:								
Luppino	0-8	5.0-15	---	5.6 - 7.3	0	0	0.0	0
	8-14	15-25	---	5.6 - 7.3	0	0	0.0	0
	14-23	---	---	---	---	---	---	---
	23-27	---	---	---	---	---	---	---
211:								
Luppino	0-8	5.0-15	---	5.6 - 7.3	0	0	0.0	0
	8-14	15-25	---	5.6 - 7.3	0	0	0.0	0
	14-23	---	---	---	---	---	---	---
	23-27	---	---	---	---	---	---	---
221:								
Oppio	0-4	10-20	---	5.6 - 7.3	0	0	0.0	0
	4-21	30-40	---	5.6 - 7.8	0	0	0.0	0
	21-25	---	---	---	---	---	---	---
222:								
Oppio	0-5	10-20	---	5.6 - 7.3	0	0	0.0	0
	5-21	30-40	---	5.6 - 7.8	0	0	0.0	0
	21-25	---	---	---	---	---	---	---
223:								
Oppio	0-4	10-20	---	5.6 - 7.3	0	0	0.0	0
	4-21	30-40	---	5.6 - 7.8	0	0	0.0	0
	21-25	---	---	---	---	---	---	---
Rezave	0-4	10-15	---	6.6 - 8.4	0-2	0	0.0-2.0	1-12
	4-13	30-45	---	7.9 - 9.0	1-5	0	2.0-4.0	13-30
	13-19	30-40	---	8.5 - 9.6	5-15	0	2.0-8.0	13-30
	19-23	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
230:								
Cradlebaugh	0-10	15-25	---	7.9 - 9.6	1-5	0	4.0-8.0	1-12
	10-35	15-25	---	7.9 - 9.6	1-5	0	2.0-16.0	1-12
	35-60	5.0-10	---	7.9 - 8.4	0	0	2.0-16.0	1-5
240:								
Updike	0-2	10-15	---	7.9 - 9.6	1-5	0	2.0-4.0	1-12
	2-20	30-40	---	7.9 - 9.6	1-5	0-1	2.0-8.0	13-45
	20-63	25-35	---	9.1 - 9.6	1-5	0-1	4.0-16.0	13-45

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
240:								
Cradlebaugh	---	---	---	---	---	---	---	---
241:								
Updike, gravelly substratum	0-2	10-15	---	9.1 - 9.6	1-5	0	2.0-4.0	1-12
	2-20	30-40	---	9.1 - 9.6	1-5	0-1	2.0-8.0	13-45
	20-47	25-35	---	9.1 - 9.6	1-5	0-1	4.0-8.0	13-45
	47-63	3.0-10	---	9.1 - 9.6	1-5	0-1	8.0-16.0	13-45
Cradlebaugh	---	---	---	---	---	---	---	---
250:								
Cassiro	0-15	10-20	---	5.6 - 6.5	0	0	0.0	0
	15-45	30-40	---	5.6 - 6.5	0	0	0.0	0
	45-60	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
251:								
Cassiro	0-12	10-20	---	5.6 - 6.5	0	0	0.0	0
	12-40	30-40	---	5.6 - 6.5	0	0	0.0	0
	40-60	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
252:								
Cassiro	0-13	10-20	---	5.6 - 6.5	0	0	0.0	0
	13-40	30-40	---	5.6 - 6.5	0	0	0.0	0
	40-60	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
260:								
Acrelane	0-6	10-25	---	5.6 - 7.3	0	0	0.0	0
	6-10	15-25	---	6.6 - 7.8	0	0	0.0	0
	10-14	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
262:								
Acrelane	0-4	10-25	---	5.6 - 7.3	0	0	0.0	0
	4-14	15-25	---	6.6 - 7.8	0	0	0.0	0
	14-18	---	---	---	---	---	---	---
280:								
Wedekind	0-2	10-15	---	6.1 - 7.3	0	0	0.0	0
	2-14	20-25	---	6.1 - 7.3	0	0	0.0	0
	14-60	---	---	---	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
280:								
281:								
Wedekind	0-2	10-15	---	6.1 - 7.3	0	0	0.0	0
	2-14	20-25	---	6.1 - 7.3	0	0	0.0	0
	14-60	---	---	---	---	---	---	---
282:								
Wedekind	0-4	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	4-14	20-25	---	6.1 - 7.3	0	0	0.0	0
	14-60	---	---	---	---	---	---	---
290:								
Verdico Variant	0-5	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	5-28	30-40	---	6.1 - 7.3	0	0	0.0	0
	28-32	---	---	---	---	---	---	---
291:								
Verdico Variant	0-6	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	6-28	30-40	---	6.1 - 7.3	0	0	0.0	0
	28-32	---	---	---	---	---	---	---
300:								
Surgem	0-4	5.0-15	---	6.1 - 7.8	0	0	0.0	0
	4-24	30-40	---	6.1 - 7.8	0	0	0.0	0
	24-30	---	---	---	---	---	---	---
301:								
Surgem	0-5	5.0-15	---	6.1 - 7.8	0	0	0.0	0
	5-24	30-40	---	6.1 - 7.8	0	0	0.0	0
	24-30	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
302:								
Surgem	0-6	5.0-15	---	6.1 - 7.8	0	0	0.0	0
	6-24	30-40	---	6.1 - 7.8	0	0	0.0	0
	24-30	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
310:								
Risley	0-4	15-25	---	5.6 - 7.3	0	0	0.0	0
	4-24	30-40	---	6.1 - 8.4	1-5	0	0.0	0
	24-40	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
311:								
Risley	0-3	15-25	---	5.6 - 7.3	0	0	0.0	0
	3-23	30-40	---	6.1 - 8.4	1-5	0	0.0	0
	23-40	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
312:								
Risley	0-3	15-25	---	5.6 - 7.3	0	0	0.0	0
	3-23	30-40	---	6.1 - 8.4	1-5	0	0.0	0
	23-40	---	---	---	---	---	---	---
313:								
Risley	0-4	25-30	---	6.1 - 8.4	0	0	0.0	0
	4-40	30-40	---	6.1 - 8.4	1-5	0	0.0	0
	40-60	---	---	---	---	---	---	---
314:								
Risley	0-4	15-25	---	5.6 - 7.3	0	0	0.0	0
	4-24	30-40	---	6.1 - 8.4	1-5	0	0.0	0
	24-40	---	---	---	---	---	---	---
Xman	0-3	10-20	---	6.1 - 7.3	0	0	0.0	0
	3-14	30-40	---	6.1 - 7.8	0	0	0.0	0
	14-29	---	---	---	---	---	---	---
	29-33	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
341:								
Yuko	0-3	20-25	---	6.1 - 7.3	0	0	0.0	0
	3-9	25-35	---	6.1 - 8.4	0	0	0.0-2.0	0
	9-40	---	---	---	---	---	---	---
342:								
Yuko	0-3	15-25	---	6.1 - 7.3	0	0	0.0	0
	3-9	25-35	---	6.1 - 8.4	0	0	0.0-2.0	0
	9-40	---	---	---	---	---	---	---
Reywat	0-6	5.0-20	---	6.6 - 7.8	0	0	0.0	0
	6-14	10-25	---	6.6 - 8.4	0	0	0.0	0
	14-18	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
350:								
Mizel	0-3	5.0-15	---	5.6 - 6.5	0	0	0.0	0
	3-7	---	---	---	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
350:								
351:								
Mizel	0-3	5.0-15	---	5.6 - 6.5	0	0	0.0	0
	3-7	---	---	---	---	---	---	---
Skedaddle	0-5	15-25	---	6.6 - 7.8	0	0	0.0	0
	5-9	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
360:								
Pits	0-60	---	---	---	---	---	0.0	---
370:								
Lemm	0-19	5.0-20	---	5.6 - 7.3	0	0	0.0	0
	19-40	10-15	---	6.1 - 7.8	0	0	0.0	0
	40-60	3.0-10	---	6.6 - 7.8	0	0	0.0	0
390:								
Duckhill	0-3	10-20	---	5.6 - 6.5	0	0	0.0	0
	3-9	15-25	---	5.6 - 6.5	0	0	0.0	0
	9-12	---	---	---	---	---	---	---
	12-16	---	---	---	---	---	---	---
391:								
Duckhill	0-3	10-20	---	5.6 - 6.5	0	0	0.0	0
	3-9	15-25	---	5.6 - 6.5	0	0	0.0	0
	9-12	---	---	---	---	---	---	---
	12-16	---	---	---	---	---	---	---
Hirschdale	0-6	25-50	---	6.1 - 7.3	0	0	0.0	0
	6-39	55-80	---	6.1 - 7.3	0	0	0.0	0
	39-43	---	---	---	---	---	---	---
Fraval	0-9	20-30	---	5.6 - 6.5	0	0	0.0	0
	9-27	30-50	---	5.6 - 6.5	0	0	0.0	0
	27-40	---	---	---	---	---	---	---
400:								
Jubilee Variant, strongly saline	0-14	5.0-15	---	7.9 - 9.6	0-1	0-1	16.0-32.0	13-30
	14-60	10-15	---	7.9 - 9.6	0-1	0-1	8.0-16.0	1-12
Voltaire	---	---	---	---	---	---	---	---
401:								
Jubilee Variant, slightly saline	0-14	10-20	---	7.9 - 9.0	0-1	0	4.0-8.0	1-5
	14-60	10-15	---	7.9 - 9.0	0-1	0	2.0-8.0	0-5

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
401:								
Voltaire	---	---	---	---	---	---	---	---
403:								
Jubilee Variant	0-14 14-60	10-25 10-15	--- ---	7.9 - 9.0 7.9 - 9.0	0-1 0-1	0-1 0	4.0-8.0 2.0-8.0	1-5 0-5
Voltaire	---	---	---	---	---	---	---	---
410:								
Ophir	0-11 11-60	5.0-10 3.0-10	--- ---	5.6 - 7.3 5.6 - 7.3	0 0	0 0	0.0 0.0	0 0
Jubilee	---	---	---	---	---	---	---	---
411:								
Ophir	0-12 12-60	5.0-10 3.0-10	--- ---	5.6 - 7.3 5.6 - 7.3	0 0	0 0	0.0 0.0	0 0
Jubilee	---	---	---	---	---	---	---	---
420:								
Godecke	0-5 5-15 15-60	3.0-10 15-30 20-25	--- --- ---	8.5 - 9.6 8.5 - 9.6 8.5 - 9.6	0 1-5 5-10	0 0 0-1	8.0-16.0 8.0-32.0 8.0-32.0	5-12 13-30 13-30
Voltaire	---	---	---	---	---	---	---	---
Sagouspe Variant, Wet, wet	0-5 5-22 22-60	5.0-15 2.0-10 3.0-10	--- --- ---	6.1 - 7.3 6.1 - 7.3 6.1 - 7.3	0 0 0	0 0 0	0.0 0.0 0.0	0 0 0
423:								
Godecke Variant	0-12 12-25 25-42 42-60	5.0-15 15-30 15-30 ---	--- --- --- ---	7.9 - 9.6 8.5 - 9.6 8.5 - 9.6 ---	0 0 1-5 ---	0 0 0 ---	4.0-8.0 4.0-16.0 4.0-16.0 ---	5-12 13-30 13-30 ---
430:								
Sagouspe Variant	0-5 5-22 22-60	5.0-15 2.0-10 3.0-10	--- --- ---	6.1 - 7.3 6.1 - 7.3 6.1 - 7.3	0 0 0	0 0 0	0.0 0.0 0.0	0 0 0
Oxyaquic Torrifluvents	0-5 5-42 42-62	5.0-15 2.0-10 30-50	--- --- ---	6.1 - 7.3 6.1 - 7.3 6.1 - 7.3	0 0 1-5	0 0 0-1	0.0 0.0 0.0	0 0 0

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
430:								
Sagoupe Variant, Wet, wet	0-5	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	5-22	2.0-10	---	6.1 - 7.3	0	0	0.0	0
	22-60	3.0-10	---	6.1 - 7.3	0	0	0.0	0
431:								
Sagoupe Variant, Wet, wet	0-5	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	5-22	2.0-10	---	6.1 - 7.3	0	0	0.0	0
	22-60	3.0-10	---	6.1 - 7.3	0	0	0.0	0
Oxyaquic Torrifuvents	0-5	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	5-42	2.0-10	---	6.1 - 7.3	0	0	0.0	0
	42-62	30-50	---	6.1 - 7.3	1-5	0-1	0.0	0
440:								
Jubilee	0-22	10-20	---	6.1 - 7.3	0	0	0.0	0
	22-60	10-20	---	6.6 - 7.8	0	0	0.0	0
Other Soils	---	---	---	---	---	---	---	---
441:								
Jubilee	0-11	30-40	---	6.1 - 7.3	0	0	0.0	0
	11-60	5.0-10	---	6.6 - 7.3	0	0	0.0	0
Other Soils	---	---	---	---	---	---	---	---
442:								
Jubilee	0-11	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	11-28	10-20	---	6.6 - 7.3	0	0	0.0	0
	28-60	5.0-15	---	6.6 - 7.3	0	0	0.0	0
Voltaire	---	---	---	---	---	---	---	---
443:								
Jubilee	0-12	10-15	---	6.1 - 7.3	0	0	0.0	0
	12-30	10-20	---	6.6 - 7.3	0	0	0.0	0
	30-60	10-20	---	6.6 - 7.8	0	0	0.0	0
Other Soils	---	---	---	---	---	---	---	---
445:								
Jubilee, drained	0-22	10-25	---	6.1 - 7.3	0	0	0.0	0
	22-60	5.0-15	---	6.1 - 7.3	0	0	0.0	0
Voltaire	---	---	---	---	---	---	---	---
450:								

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
450:								
Voltaire, slightly saline	0-20	20-30	---	7.9 - 9.6	1-5	0	0.0-4.0	13-30
	20-60	20-30	---	7.9 - 9.6	1-5	0	0.0-4.0	1-12
451:								
Voltaire, slightly saline	0-15	20-30	---	8.5 - 9.6	1-5	0	4.0-8.0	13-30
	15-60	20-30	---	7.9 - 9.6	1-5	0	16.0-32.0	1-12
452:								
Voltaire, strongly saline	0-18	20-30	---	8.5 - 9.6	1-5	0	16.0-32.0	13-30
	18-60	20-30	---	7.9 - 9.6	1-5	0	4.0-32.0	1-12
454:								
Voltaire, drained	0-20	35-45	---	7.4 - 8.4	1-5	0	4.0-8.0	13-30
	20-60	15-20	---	7.4 - 8.4	1-5	0	0.0-8.0	1-12
455:								
Voltaire, drained	0-20	35-45	---	7.4 - 8.4	1-5	0	4.0-8.0	13-30
	20-60	15-20	---	7.4 - 8.4	1-5	0	0.0-8.0	1-12
Truckee	0-12	10-20	---	7.9 - 8.4	1-5	0	4.0-8.0	13-30
	12-60	15-25	---	7.9 - 8.4	1-5	0	2.0-8.0	13-30
456:								
Voltaire, gravelly substratum	0-9	25-35	---	7.4 - 9.6	1-5	0	4.0-8.0	13-30
	9-36	20-30	---	7.4 - 9.6	1-5	0	0.0-8.0	1-12
	36-60	5.0-15	---	7.4 - 9.6	1-5	0	0.0-8.0	1-12
460:								
Surprise	0-9	5.0-10	---	6.1 - 7.3	0	0	0.0	0
	9-45	10-15	---	6.1 - 7.3	0	0	0.0	0
	45-67	5.0-10	---	6.1 - 7.3	0	0	0.0	0
461:								
Surprise	0-7	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	7-24	10-15	---	6.1 - 7.3	0	0	0.0	0
	24-66	5.0-10	---	6.1 - 7.3	0	0	0.0	0
463:								
Surprise	0-12	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	12-24	10-15	---	6.1 - 7.3	0	0	0.0	0
	24-60	5.0-10	---	6.1 - 7.3	0	0	0.0	0
470:								
Dalzell	0-14	3.0-10	---	7.9 - 9.6	1-5	0	4.0-8.0	13-45
	14-32	15-25	---	8.5 - 9.6	1-5	0	4.0-16.0	13-30
	32-36	---	---	---	---	---	---	---
	36-60	3.0-10	---	8.5 - 9.6	1-5	0	2.0-8.0	1-12

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
470:								
Playas	0-6	20-40	---	7.4 - 8.4	1-10	1-10	0.0-4.0	1-5
	6-60	20-40	---	7.4 - 8.4	1-10	1-10	0.0-4.0	1-5
480:								
Holbrook	0-10	5.0-10	---	6.1 - 7.3	0	0	0.0	0
	10-60	5.0-10	---	6.1 - 8.4	0-5	0	0.0-2.0	0
482:								
Holbrook	0-10	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	10-60	5.0-10	---	6.1 - 8.4	0-5	0	0.0-2.0	0
490:								
Graufels	0-10	3.0-10	---	6.1 - 7.3	0	0	0.0	0
	10-22	3.0-10	---	6.1 - 7.3	0	0	0.0	0
	22-40	---	---	---	---	---	---	---
491:								
Graufels	0-12	3.0-10	---	6.1 - 7.3	0	0	0.0	0
	12-26	3.0-10	---	6.1 - 7.3	0	0	0.0	0
	26-40	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
492:								
Graufels	0-12	3.0-10	---	6.1 - 7.3	0	0	0.0	0
	12-26	3.0-10	---	6.1 - 7.3	0	0	0.0	0
	26-40	---	---	---	---	---	---	---
493:								
Graufels	0-11	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	11-25	3.0-10	---	6.1 - 7.3	0	0	0.0	0
	25-40	---	---	---	---	---	---	---
Glenbrook	0-7	1.0-5.0	---	6.1 - 7.3	0	0	0.0	0
	7-13	1.0-5.0	---	6.1 - 7.3	0	0	0.0	0
	13-17	---	---	---	---	---	---	---
494:								
Graufels	0-9	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	9-24	3.0-10	---	6.1 - 7.3	0	0	0.0	0
	24-40	---	---	---	---	---	---	---
495:								
Graufels	0-9	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	9-23	3.0-10	---	6.1 - 7.3	0	0	0.0	0
	23-40	---	---	---	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
495:								
Glenbrook	0-8	1.0-5.0	---	6.1 - 7.3	0	0	0.0	0
	8-15	1.0-5.0	---	6.1 - 7.3	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
496:								
Graufels	0-15	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	15-26	3.0-10	---	6.1 - 7.3	0	0	0.0	0
	26-40	---	---	---	---	---	---	---
Glenbrook	0-12	1.0-5.0	---	6.1 - 7.3	0	0	0.0	0
	12-18	1.0-5.0	---	6.1 - 7.3	0	0	0.0	0
	18-22	---	---	---	---	---	---	---
Haypress	0-15	5.0-10	---	5.6 - 6.5	0	0	0.0	0
	15-46	5.0-10	---	5.6 - 6.5	0	0	0.0	0
	46-50	---	---	---	---	---	---	---
497:								
Graufels	0-11	3.0-10	---	6.1 - 7.3	0	0	0.0	0
	11-35	3.0-10	---	6.1 - 7.3	0	0	0.0	0
	35-60	---	---	---	---	---	---	---
Glenbrook	0-8	1.0-5.0	---	6.1 - 7.3	0	0	0.0	0
	8-19	1.0-5.0	---	6.1 - 7.3	0	0	0.0	0
	19-29	---	---	---	---	---	---	---
500:								
Mottsville	0-10	5.0-20	---	5.6 - 7.3	0	0	0.0	0
	10-60	5.0-15	---	5.6 - 7.3	0	0	0.0	0
504:								
Mottsville	0-10	5.0-20	---	5.6 - 7.3	0	0	0.0	0
	10-60	5.0-15	---	5.6 - 7.3	0	0	0.0	0
505:								
Mottsville	0-11	5.0-20	---	5.6 - 7.3	0	0	0.0	0
	11-60	5.0-15	---	5.6 - 7.3	0	0	0.0	0
510:								
Settlemeier	0-15	10-25	---	7.9 - 8.4	0-1	0	4.0-8.0	0-12
	15-39	20-30	---	7.4 - 9.6	0	0	4.0-8.0	5-12
	39-60	10-15	---	6.6 - 8.4	0	0	0.0-8.0	0-12
Voltaire	---	---	---	---	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
510:								
513:								
Settlemeyer	0-15	10-25	---	7.9 - 8.4	0-1	0	4.0-8.0	0-12
	15-39	20-30	---	7.4 - 9.6	0	0	4.0-8.0	5-12
	39-60	10-15	---	6.6 - 8.4	0	0	0.0-8.0	0-12
Notus	0-12	1.0-5.0	---	6.1 - 7.3	0	0	0.0	0
	12-60	1.0-8.0	---	6.1 - 7.3	0	0	0.0	0
Voltaire	---	---	---	---	---	---	---	---
514:								
Settlemeyer	0-12	15-25	---	7.4 - 9.6	0-5	0	4.0-8.0	13-30
	12-35	20-30	---	7.4 - 9.6	0-5	0	0.0-8.0	0-12
	35-60	10-15	---	6.6 - 8.4	0-5	0	0.0-8.0	0-5
Voltaire	---	---	---	---	---	---	---	---
520:								
Dressler	0-19	3.0-10	---	6.1 - 7.3	0	0	0.0	0
	19-60	2.0-8.0	---	6.1 - 7.3	0	0	0.0	0
Settlemeyer	---	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
530:								
Sagouspe	0-21	1.0-5.0	---	6.6 - 8.4	1-5	0	0.0-2.0	0
	21-60	1.0-5.0	---	7.9 - 9.6	1-10	0-2	0.0-4.0	0-5
Cradlebaugh	---	---	---	---	---	---	---	---
531:								
Sagouspe	0-21	5.0-10	---	6.6 - 8.4	1-5	0	0.0-8.0	0
	21-60	1.0-5.0	---	7.9 - 9.6	1-10	0-2	0.0-4.0	0-5
Cradlebaugh	---	---	---	---	---	---	---	---
532:								
Sagouspe	0-10	1.0-5.0	---	6.6 - 8.4	1-5	0	0.0-2.0	0
	10-40	1.0-5.0	---	6.6 - 8.4	1-5	0	0.0-2.0	0
	40-60	1.0-5.0	---	6.6 - 8.4	1-5	0-1	0.0-2.0	0
Other Soils	---	---	---	---	---	---	---	---
Riverwash	---	---	---	---	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
550:								
Leviathan	0-9	10-25	---	6.1 - 7.3	0	0	0.0	0
	9-60	25-30	---	6.1 - 7.3	0	0	0.0	0
551:								
Leviathan	0-9	10-25	---	6.1 - 7.3	0	0	0.0	0
	9-60	25-30	---	6.1 - 7.3	0	0	0.0	0
553:								
Leviathan	0-9	10-25	---	6.1 - 7.3	0	0	0.0	0
	9-60	25-30	---	6.1 - 7.3	0	0	0.0	0
554:								
Leviathan	0-11	10-20	---	6.1 - 7.3	0	0	0.0	0
	11-60	25-30	---	6.1 - 7.3	0	0	0.0	0
557:								
Leviathan	0-11	10-20	---	6.1 - 7.3	0	0	0.0	0
	11-60	25-30	---	6.1 - 7.3	0	0	0.0	0
559:								
Leviathan	0-11	10-20	---	6.1 - 7.3	0	0	0.0	0
	11-60	25-30	---	6.1 - 7.3	0	0	0.0	0
570:								
Turria	0-2	15-25	---	6.1 - 7.8	0	0	0.0	0
	2-12	20-30	---	6.1 - 7.8	0	0	0.0	0
	12-60	10-20	---	6.6 - 8.4	0-1	0	0.0	0
585:								
Barnard	0-15	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	15-26	30-35	---	6.6 - 7.8	0	0	0.0	0
	26-30	---	---	---	---	---	---	---
Trosi	0-12	5.0-15	---	5.6 - 7.3	0	0	0.0	0
	12-19	30-40	---	6.1 - 7.3	0	0	0.0	0
	19-34	---	---	---	---	---	---	---
	34-60	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
590:								
Springmeyer	0-13	20-25	---	6.1 - 7.3	0	0	0.0	0
	13-40	20-30	---	6.1 - 7.3	0	0	0.0	0
	40-60	20-25	---	6.6 - 8.4	0-1	0	0.0-2.0	0
Other Soils	---	---	---	---	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
591:								
Springmeyer	0-13	20-25	---	6.1 - 7.3	0	0	0.0	0
	13-40	20-30	---	6.1 - 7.3	0	0	0.0	0
	40-60	20-25	---	6.6 - 8.4	0-1	0	0.0-2.0	0
Other Soils	---	---	---	---	---	---	---	---
595:								
Springmeyer	0-13	20-25	---	6.1 - 7.3	0	0	0.0	0
	13-40	25-30	---	6.1 - 7.8	0	0	0.0	0
	40-60	15-20	---	6.6 - 8.4	0-1	0	0.0-2.0	0
Other Soils	---	---	---	---	---	---	---	---
600:								
Idlewild, drained	0-13	25-30	---	6.1 - 7.3	0	0	0.0	0
	13-36	30-35	---	6.1 - 7.3	0	0	0.0	0
	36-62	25-35	---	6.1 - 7.3	0	0	0.0	0
601:								
Idlewild, drained	0-13	10-20	---	6.1 - 7.3	0	0	0.0	0
	13-36	30-35	---	6.1 - 7.3	0	0	0.0	0
	36-62	25-35	---	6.1 - 7.3	0	0	0.0	0
602:								
Idlewild	0-10	10-20	---	6.1 - 7.3	0	0	0.0	0
	10-36	30-40	---	6.1 - 7.3	0	0	0.0	0
	36-60	25-35	---	6.1 - 7.3	0	0	0.0	0
Settlemeier	---	---	---	---	---	---	---	---
612:								
Verdico	0-2	5.0-20	---	6.1 - 7.3	0	0	0.0	0
	2-22	35-50	---	6.1 - 7.3	0	0	0.0	0
	22-29	35-50	---	6.6 - 7.8	0	0	0.0	0
	29-60	---	---	---	---	---	---	---
613:								
Verdico	0-2	5.0-20	---	6.1 - 7.3	0	0	0.0	0
	2-22	35-50	---	6.1 - 7.3	0	0	0.0	0
	22-29	35-50	---	6.6 - 7.8	0	0	0.0	0
	29-60	---	---	---	---	---	---	---
614:								
Verdico	0-2	5.0-20	---	6.1 - 7.3	0	0	0.0	0
	2-22	35-50	---	6.1 - 7.3	0	0	0.0	0
	22-29	35-50	---	6.6 - 7.8	0	0	0.0	0
	29-60	---	---	---	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
614:								
615:								
Verdico	0-2	5.0-20	---	6.1 - 7.3	0	0	0.0	0
	2-22	35-50	---	6.1 - 7.3	0	0	0.0	0
	22-29	35-50	---	6.6 - 7.8	0	0	0.0	0
	29-60	---	---	---	---	---	---	---
620:								
Orr	0-12	10-20	---	6.1 - 7.3	0	0	0.0	0
	12-50	15-25	---	6.1 - 7.8	0	0	0.0	0
	50-60	5.0-20	---	6.1 - 7.8	0	0	0.0	0
Other Soils	---	---	---	---	---	---	---	---
621:								
Orr	0-12	10-20	---	6.1 - 7.3	0	0	0.0	0
	12-50	15-25	---	6.1 - 7.8	0	0	0.0	0
	50-60	5.0-20	---	6.1 - 7.8	0	0	0.0	0
Other Soils	---	---	---	---	---	---	---	---
622:								
Orr, gravelly substratum	0-12	10-20	---	6.1 - 7.3	0	0	0.0	0
	12-50	15-20	---	6.1 - 7.3	0	0	0.0	0
	50-60	3.0-10	---	6.1 - 7.3	0	0	0.0	0
Other Soils	---	---	---	---	---	---	---	---
623:								
Orr	0-10	10-20	---	6.1 - 7.3	0	0	0.0	0
	10-50	15-25	---	6.1 - 7.8	0	0	0.0	0
	50-60	5.0-20	---	6.1 - 7.8	0	0	0.0	0
624:								
Orr	0-12	10-20	---	6.1 - 7.3	0	0	0.0	0
	12-50	15-25	---	6.1 - 7.8	0	0	0.0	0
	50-60	5.0-20	---	6.1 - 7.8	0	0	0.0	0
630:								
Fleischmann	0-4	25-35	---	5.6 - 7.3	0	0	0.0	0
	4-20	30-45	---	6.1 - 7.3	0	0	0.0	0
	20-43	---	---	---	---	---	---	---
	43-60	---	---	---	---	---	---	---
631:								

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
631:								
Fleischmann	0-4	25-35	---	5.6 - 7.3	0	0	0.0	0
	4-20	30-45	---	6.1 - 7.3	0	0	0.0	0
	20-43	---	---	---	---	---	---	---
	43-60	---	---	---	---	---	---	---
632:								
Fleischmann	0-4	10-20	---	6.1 - 7.3	0	0	0.0	0
	4-20	30-45	---	6.1 - 7.3	0	0	0.0	0
	20-43	---	---	---	---	---	---	---
	43-60	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
640:								
Notus	0-12	1.0-5.0	---	6.1 - 7.3	0	0	0.0	0
	12-60	1.0-8.0	---	6.1 - 7.3	0	0	0.0	0
Settlemeier	---	---	---	---	---	---	---	---
650:								
Chalco	0-3	20-30	---	6.1 - 7.8	0	0	0.0	0
	3-15	30-50	---	6.1 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
651:								
Chalco	0-4	20-30	---	6.1 - 7.8	0	0	0.0	0
	4-15	30-50	---	6.1 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
652:								
Chalco	0-3	15-25	---	6.1 - 7.3	0	0	0.0	0
	3-16	30-50	---	6.1 - 8.4	0	0	0.0	0
	16-20	---	---	---	---	---	---	---
653:								
Chalco	0-3	10-15	---	6.1 - 7.3	0	0	0.0	0
	3-15	30-50	---	6.1 - 8.4	0	0	0.0	0
	15-30	---	---	---	---	---	---	---
654:								
Chalco	0-3	10-15	---	6.1 - 7.3	0	0	0.0	0
	3-15	30-50	---	6.1 - 8.4	0	0	0.0	0
	15-30	---	---	---	---	---	---	---
Celeton Variant	0-6	10-20	---	7.9 - 8.4	1-5	0	0.0-4.0	1-5
	6-10	---	---	---	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
660:								
Oest	0-14	10-20	---	6.1 - 7.3	0	0	0.0	0
	14-40	15-20	---	6.1 - 7.3	0	0	0.0	0
	40-60	5.0-10	---	6.1 - 7.3	0	0	0.0	0
661:								
Oest	0-13	10-20	---	6.1 - 7.3	0	0	0.0	0
	13-44	15-20	---	6.1 - 7.3	0	0	0.0	0
	44-60	5.0-10	---	6.1 - 7.3	0	0	0.0	0
662:								
Oest	0-8	10-20	---	6.1 - 7.3	0	0	0.0	0
	8-40	15-20	---	6.1 - 7.3	0	0	0.0	0
	40-60	5.0-10	---	6.1 - 7.3	0	0	0.0	0
663:								
Oest	0-15	10-20	---	6.1 - 7.3	0	0	0.0	0
	15-40	15-20	---	6.1 - 7.3	0	0	0.0	0
	40-60	3.0-8.0	---	6.1 - 7.3	0	0	0.0	0
Settlemeyer	---	---	---	---	---	---	---	---
664:								
Oest	0-14	10-20	---	6.1 - 7.3	0	0	0.0	0
	14-40	15-20	---	6.1 - 7.3	0	0	0.0	0
	40-60	3.0-8.0	---	6.1 - 7.3	0	0	0.0	0
668:								
Oest	0-15	10-20	---	6.1 - 7.3	0	0	0.0	0
	15-40	15-20	---	6.1 - 7.3	0	0	0.0	0
	40-60	5.0-10	---	6.1 - 7.3	0	0	0.0	0
669:								
Oest	0-14	10-20	---	6.1 - 7.3	0	0	0.0	0
	14-40	15-20	---	6.1 - 7.3	0	0	0.0	0
	40-60	3.0-8.0	---	6.1 - 7.3	0	0	0.0	0
670:								
Galeppi	0-10	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	10-22	10-20	---	6.6 - 7.8	0	0	0.0	0
	22-60	5.0-15	---	6.6 - 7.8	0	0	0.0	0
671:								
Galeppi	0-10	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	10-24	10-20	---	6.6 - 7.8	0	0	0.0	0
	24-60	5.0-15	---	6.6 - 7.8	0	0	0.0	0
673:								

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
673:								
Galeppi	0-10	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	10-21	10-20	---	6.6 - 7.8	0	0	0.0	0
	21-60	5.0-15	---	6.6 - 7.8	0	0	0.0	0
674:								
Galeppi	0-10	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	10-21	15-25	---	6.6 - 7.8	0	0	0.0	0-2
	21-60	5.0-10	---	6.6 - 7.8	0	0	0.0	0
676:								
Galeppi	0-9	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	9-27	15-25	---	6.6 - 7.8	0	0	0.0	0-2
	27-60	5.0-10	---	6.6 - 7.8	0	0	0.0-2.0	0
Barnard	0-15	5.0-15	---	6.1 - 7.3	---	0	0.0	0
	15-20	5.0-15	---	6.1 - 7.3	---	0	0.0	0
	20-26	30-35	---	6.6 - 7.8	---	0	0.0-2.0	0
	26-36	---	---	---	---	---	---	---
	36-60	5.0-10	---	6.6 - 7.8	---	0	0.0	0
681:								
Reno	0-2	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	2-24	30-50	---	6.1 - 7.3	0	0	0.0	0
	24-47	---	---	---	---	---	---	---
	47-51	---	---	---	---	---	---	---
683:								
Reno	0-4	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	4-24	30-50	---	6.1 - 7.3	0	0	0.0	0
	24-47	---	---	---	---	---	---	---
	47-51	---	---	---	---	---	---	---
730:								
Stodick	0-4	10-20	---	6.1 - 7.3	0	0	0.0	0
	4-14	10-20	---	6.1 - 7.3	0	0	0.0	0
	14-18	---	---	---	---	---	---	---
731:								
Stodick	0-5	10-20	---	6.1 - 7.3	0	0	0.0	0
	5-14	10-20	---	6.1 - 7.3	0	0	0.0	0
	14-18	---	---	---	---	---	---	---
740:								
Blackwell	0-11	10-25	---	6.1 - 7.3	0	0	0.0	0
	11-60	10-30	---	6.1 - 7.3	0	0	0.0	0

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
740:								
Marla	0-19	5.0-15	---	5.1 - 7.3	0	0	0.0	0
	19-44	5.0-10	---	5.6 - 7.3	0	0	0.0	0
	44-60	5.0-10	---	6.1 - 7.3	0	0	0.0	0
Terric Cryosapristis	0-6	60-100	---	8.5 - 9.0	1-5	0	4.0-8.0	1-5
	6-24	40-55	---	7.9 - 9.0	1-5	0	4.0-8.0	1-5
	24-30	25-40	---	7.9 - 9.0	1-5	0	0.0	0
	30-60	1.0-7.0	---	7.9 - 9.0	1-5	0	0.0	0
752:								
Toiyabe	0-8	3.0-10	---	5.6 - 7.3	0	0	0.0	0
	8-13	1.0-5.0	---	5.6 - 7.3	0	0	0.0	0
	13-17	---	---	---	---	---	---	---
Corbett	0-8	2.0-10	---	5.6 - 6.5	0	0	0.0	0
	8-32	1.0-5.0	---	5.6 - 6.5	0	0	0.0	0
	32-36	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
Wet Areas	---	---	---	---	---	---	---	---
753:								
Toiyabe	0-8	3.0-10	---	5.6 - 7.3	0	0	0.0	0
	8-13	1.0-5.0	---	5.6 - 7.3	0	0	0.0	0
	13-17	---	---	---	---	---	---	---
Corbett	0-8	2.0-10	---	5.6 - 6.5	0	0	0.0	0
	8-32	1.0-5.0	---	5.6 - 6.5	0	0	0.0	0
	32-36	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
Wet Areas	---	---	---	---	---	---	---	---
754:								
Toiyabe	0-9	3.0-10	---	5.6 - 7.3	0	0	0.0	0
	9-13	1.0-5.0	---	5.6 - 7.3	0	0	0.0	0
	13-17	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
Wet Areas	---	---	---	---	---	---	---	---
756:								

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
756:								
Toiyabe	0-7	3.0-10	---	5.6 - 7.3	0	0	0.0	0
	7-15	1.0-5.0	---	5.6 - 7.3	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Corbett	0-9	2.0-10	---	5.6 - 6.5	0	0	0.0	0
	9-32	1.0-5.0	---	5.6 - 6.5	0	0	0.0	0
	32-36	---	---	---	---	---	---	---
Haypress	0-15	5.0-10	---	5.6 - 6.5	0	0	0.0	0
	15-46	5.0-10	---	5.6 - 6.5	0	0	0.0	0
	46-50	---	---	---	---	---	---	---
Wet Areas	---	---	---	---	---	---	---	---
772:								
Booford	0-7	10-20	---	6.1 - 7.3	0	0	0.0	0
	7-25	35-50	---	6.1 - 7.3	0	0	0.0	0
	25-45	---	---	---	---	---	---	---
775:								
Booford	0-8	10-25	---	6.1 - 7.3	0	0	0.0	0
	8-25	35-50	---	6.1 - 7.3	0	0	0.0	0
	25-45	---	---	---	---	---	---	---
780:								
Bieber	0-6	10-20	---	6.1 - 7.3	0	0	0.0	0
	6-18	30-50	---	6.1 - 8.4	0	0	0.0-2.0	0
	18-51	---	---	---	---	---	---	---
	51-60	3.0-10	---	7.4 - 8.4	0	0	0.0-2.0	0
782:								
Bieber	0-7	10-20	---	6.1 - 7.3	0	0	0.0	0
	7-19	30-50	---	6.1 - 8.4	0	0	0.0-2.0	0
	19-25	---	---	---	---	---	---	---
	25-60	3.0-10	---	7.4 - 8.4	0	0	0.0-2.0	0
800:								
Truckee	0-12	10-20	---	7.9 - 8.4	1-5	0	2.0-4.0	0
	12-60	15-25	---	7.9 - 8.4	1-5	0	2.0-4.0	0
Voltaire	---	---	---	---	---	---	---	---
802:								
Truckee, strongly saline	0-12	10-20	---	8.5 - 9.6	1-5	0	16.0-32.0	1-12
	12-60	15-25	---	7.9 - 9.6	1-5	0	8.0-32.0	1-12
Voltaire	---	---	---	---	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
802:								
805:								
Truckee, gravelly substratum	0-12	5.0-15	---	7.4 - 9.0	1-5	0	8.0-16.0	1-12
	12-30	15-25	---	7.4 - 9.0	1-5	0	4.0-16.0	1-12
	30-60	3.0-10	---	7.4 - 8.4	1-5	0	2.0-4.0	1-5
806:								
Truckee, sandy substratum, strongly saline	0-12	5.0-15	---	8.5 - 9.6	1-5	0	16.0-32.0	45-99
	12-30	15-25	---	8.5 - 9.6	1-5	0	8.0-32.0	13-45
	30-60	3.0-10	---	7.9 - 9.6	1-5	0	4.0-16.0	1-12
Other Soils	---	---	---	---	---	---	---	---
810:								
Rose Creek, drained	0-16	10-15	---	7.4 - 8.4	1-5	0	0.0-4.0	0
	16-60	10-15	---	7.9 - 9.0	1-5	0	2.0-4.0	1-5
Other Soils	---	---	---	---	---	---	---	---
812:								
Rose Creek, drained	0-15	5.0-10	---	7.4 - 8.4	1-5	0	0.0-2.0	0
	15-60	10-15	---	7.9 - 9.0	1-5	0	2.0-4.0	1-5
Other Soils	---	---	---	---	---	---	---	---
813:								
Rose Creek, drained	0-16	5.0-15	---	7.4 - 8.4	1-5	0	0.0-4.0	0
	16-60	10-15	---	7.9 - 9.0	1-5	0	2.0-4.0	1-5
Other Soils	---	---	---	---	---	---	---	---
820:								
Marla	0-19	5.0-15	---	5.1 - 7.3	0	0	0.0	0
	19-44	5.0-10	---	5.6 - 7.3	0	0	0.0	0
	44-60	5.0-10	---	6.1 - 7.3	0	0	0.0	0
Blackwell	0-11	10-25	---	6.1 - 7.3	0	0	0.0	0
	11-60	10-30	---	6.1 - 7.3	0	0	0.0	0
821:								
Marla	0-18	5.0-15	---	5.1 - 7.3	0	0	0.0	0
	18-44	5.0-10	---	5.6 - 7.3	0	0	0.0	0
	44-60	5.0-10	---	6.1 - 7.3	0	0	0.0	0
Blackwell	0-11	10-25	---	6.1 - 7.3	0	0	0.0	0
	11-60	10-30	---	6.1 - 7.3	0	0	0.0	0

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
830:								
Fetic	0-1	25-30	---	7.9 - 9.6	1-5	0	8.0-16.0	30-45
	1-21	25-35	---	7.9 - 9.6	1-5	0-1	8.0-32.0	13-90
	21-60	10-25	---	7.9 - 9.6	1-5	0-1	8.0-32.0	13-30
Voltaire	---	---	---	---	---	---	---	---
831:								
Fetic	0-4	20-30	---	7.9 - 9.6	1-5	0	4.0-8.0	13-30
	4-20	25-35	---	7.9 - 9.6	1-5	0-1	8.0-16.0	13-90
	20-60	10-25	---	7.9 - 9.6	1-5	0-1	8.0-16.0	13-30
Voltaire	---	---	---	---	---	---	---	---
840:								
Temo	0-10	2.0-10	---	5.6 - 6.5	0	0	0.0	0
	10-16	2.0-10	---	5.6 - 6.5	0	0	0.0	0
	16-20	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
Witefels	0-8	1.0-5.0	---	5.1 - 6.5	0	0	0.0	0
	8-35	2.0-8.0	---	5.1 - 6.5	0	0	0.0	0
	35-39	---	---	---	---	---	---	---
Wet Areas	---	---	---	---	---	---	---	---
850:								
Washoe	0-8	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	8-38	15-25	---	6.1 - 7.3	0	0	0.0	0
	38-60	5.0-10	---	6.1 - 7.3	0	0	0.0	0
861:								
Reywat	0-6	5.0-20	---	6.6 - 7.8	0	0	0.0	0
	6-18	10-25	---	6.6 - 8.4	0	0	0.0	0
	18-22	---	---	---	---	---	---	---
862:								
Reywat	0-6	5.0-20	---	6.6 - 7.8	0	0	0.0	0
	6-18	10-25	---	6.6 - 8.4	0	0	0.0	0
	18-22	---	---	---	---	---	---	---
863:								
Reywat	0-6	5.0-20	---	6.6 - 7.8	0	0	0.0	0
	6-18	10-25	---	6.6 - 8.4	0	0	0.0	0
	18-22	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
863:								
864:								
Reywat, cool	0-6	5.0-20	---	6.6 - 7.8	0	0	0.0	0
	6-12	10-25	---	6.6 - 8.4	0	0	0.0	0
	12-18	10-25	---	6.6 - 8.4	1-2	0	0.0	0
	18-22	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
870:								
Xman	0-3	10-20	---	6.1 - 7.3	0	0	0.0	0
	3-14	30-40	---	6.1 - 7.8	0	0	0.0	0
	14-29	---	---	---	---	---	---	---
	29-33	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
871:								
Xman	0-3	10-20	---	6.1 - 7.3	0	0	0.0	0
	3-14	30-40	---	6.1 - 7.8	0	0	0.0	0
	14-29	---	---	---	---	---	---	---
	29-33	---	---	---	---	---	---	---
872:								
Xman	0-3	0.0-20	---	6.1 - 7.3	0	0	0.0	0
	3-14	30-40	---	6.1 - 7.8	0	0	0.0	0
	14-29	---	---	---	---	---	---	---
	29-33	---	---	---	---	---	---	---
873:								
Xman	0-4	10-20	---	6.1 - 7.3	0	0	0.0	0
	4-14	30-40	---	6.1 - 7.8	0	0	0.0	0
	14-29	---	---	---	---	---	---	---
	29-33	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
875:								
Xman	0-2	10-20	---	6.1 - 7.3	0	0	0.0	0
	2-14	30-40	---	6.1 - 7.8	0	0	0.0	0
	14-29	---	---	---	---	---	---	---
	29-33	---	---	---	---	---	---	---
Mizel	0-3	5.0-15	---	5.6 - 6.5	0	0	0.0	0
	3-7	---	---	---	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
875:								
Zephan	0-8	10-15	---	5.6 - 7.3	0	0	0.0	0
	8-35	30-40	---	5.6 - 7.3	0	0	0.0	0
	35-42	---	---	---	---	---	---	---
	42-46	---	---	---	---	---	---	---
876:								
Xman	0-2	10-20	---	6.1 - 7.3	0	0	0.0	0
	2-14	30-40	---	6.1 - 7.8	0	0	0.0	0
	14-29	---	---	---	---	---	---	---
	29-33	---	---	---	---	---	---	---
Oppio	0-6	10-20	---	7.4 - 7.8	0	0	0.0	0
	6-27	30-40	---	7.4 - 7.8	0	0	0.0	0
	27-31	---	---	---	---	---	---	---
Old Camp	0-2	5.0-15	---	6.6 - 7.8	0	0	0.0	0
	2-14	17-23	---	6.6 - 9.0	0-5	0	0.0-2.0	0-5
	14-18	---	---	---	---	---	---	---
877:								
Xman	0-2	10-20	---	6.1 - 7.3	0	0	0.0	0
	2-14	30-40	---	6.1 - 7.8	0	0	0.0	0
	14-29	---	---	---	---	---	---	---
	29-33	---	---	---	---	---	---	---
Frodo	0-6	30-55	---	6.1 - 7.3	0	0	0.0	0
	6-18	30-50	---	6.6 - 8.4	1-5	0	0.0-2.0	0
	18-23	---	---	---	---	---	---	---
	23-30	---	---	---	---	---	---	---
Mizel	0-3	5.0-15	---	5.6 - 6.5	0	0	0.0	0
	3-7	---	---	---	---	---	---	---
880:								
Rock Outcrop	---	---	---	---	---	---	---	---
Zephan	0-8	10-15	---	5.6 - 7.3	0	0	0.0	0
	8-35	30-40	---	5.6 - 7.3	0	0	0.0	0
	35-42	---	---	---	---	---	---	---
	42-46	---	---	---	---	---	---	---
Smallcone	0-6	3.0-6.0	---	5.1 - 6.0	0	0	0.0	0
	6-10	---	---	---	---	---	---	---

881:

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
881:								
Zephan	0-8	10-15	---	5.6 - 7.3	0	0	0.0	0
	8-35	30-40	---	5.6 - 7.3	0	0	0.0	0
	35-42	---	---	---	---	---	---	---
	42-46	---	---	---	---	---	---	---
882:								
Zephan	0-8	10-15	---	5.6 - 7.3	0	0	0.0	0
	8-35	30-40	---	5.6 - 7.3	0	0	0.0	0
	35-42	---	---	---	---	---	---	---
	42-46	---	---	---	---	---	---	---
890:								
Indiano, warm	0-14	10-20	---	6.1 - 7.3	0	0	0.0	0
	14-29	15-30	---	6.1 - 7.3	0	0	0.0	0
	29-33	---	---	---	---	---	---	---
891:								
Indiano, warm	0-14	10-20	---	6.1 - 7.3	0	0	0.0	0
	14-29	15-30	---	6.1 - 7.3	0	0	0.0	0
	29-33	---	---	---	---	---	---	---
892:								
Indiano, warm	0-13	10-20	---	6.1 - 7.3	0	0	0.0	0
	13-33	15-30	---	6.1 - 7.3	0	0	0.0	0
	33-37	---	---	---	---	---	---	---
Koontz	0-6	8.0-19	---	6.6 - 7.8	0	0	0.0	0
	6-18	13-25	---	6.6 - 8.4	0	0	0.0	0
	18-22	---	---	---	---	---	---	---
Flex	0-3	10-20	---	6.1 - 7.3	0	0	0.0	0
	3-10	15-25	---	6.1 - 7.3	0	0	0.0	0
	10-14	---	---	---	---	---	---	---
893:								
Indiano	0-13	15-30	---	6.1 - 7.3	0	0	0.0	0
	13-33	15-30	---	6.1 - 7.3	0	0	0.0	0
	33-37	---	---	---	---	---	---	---
Duco	0-5	10-20	---	6.1 - 7.8	0	0	0.0	0
	5-19	20-30	---	6.1 - 7.8	0	0	0.0	0
	19-23	---	---	---	---	---	---	---
Cagle	0-4	25-35	---	6.1 - 7.8	0	0	0.0	0
	4-24	30-45	---	6.1 - 7.8	0	0	0.0	0
	24-28	30-45	---	6.1 - 7.8	0	0	0.0	0
	28-32	---	---	---	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
894:								
Indiano	0-13	15-30	---	6.1 - 7.3	0	0	0.0	0
	13-33	15-30	---	6.1 - 7.3	0	0	0.0	0
	33-37	---	---	---	---	---	---	---
Duco	0-5	10-20	---	6.1 - 7.8	0	0	0.0	0
	5-19	20-30	---	6.1 - 7.8	0	0	0.0	0
	19-23	---	---	---	---	---	---	---
Skedaddle	0-5	15-25	---	6.6 - 7.8	0	0	0.0	0
	5-9	---	---	---	---	---	---	---
895:								
Indiano	0-13	15-30	---	6.1 - 7.3	0	0	0.0	0
	13-33	15-30	---	6.1 - 7.3	0	0	0.0	0
	33-37	---	---	---	---	---	---	---
Zephan	0-8	10-15	---	5.6 - 7.3	0	0	0.0	0
	8-35	30-40	---	5.6 - 7.3	0	0	0.0	0
	35-42	---	---	---	---	---	---	---
	42-46	---	---	---	---	---	---	---
Duco	0-7	10-20	---	6.1 - 7.8	0	0	0.0	0
	7-15	20-30	---	6.1 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
896:								
Indiano	0-13	10-20	---	6.1 - 7.3	0	0	0.0	0
	13-33	15-30	---	6.1 - 7.3	0	0	0.0	0
	33-37	---	---	---	---	---	---	---
Nosrac	0-6	10-15	---	6.1 - 7.3	0	0	0.0	0
	6-52	20-30	---	6.6 - 7.3	0	0	0.0	0
	52-60	15-25	---	6.6 - 7.3	0	0	0.0	0
Old Camp	0-8	5.0-15	---	6.6 - 7.8	0	0	0.0	0
	8-17	17-23	---	6.6 - 9.0	0-5	0	0.0-2.0	0-5
	17-21	---	---	---	---	---	---	---
900:								
Flex	0-3	10-20	---	6.1 - 7.3	0	0	0.0	0
	3-10	15-25	---	6.1 - 7.3	0	0	0.0	0
	10-14	---	---	---	---	---	---	---
901:								
Flex	0-4	10-20	---	6.1 - 7.3	0	0	0.0	0
	4-12	15-25	---	6.1 - 7.3	0	0	0.0	0
	12-16	---	---	---	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
903:								
Flex	0-3	10-20	---	6.1 - 7.3	0	0	0.0	0
	3-10	15-25	---	6.1 - 7.3	0	0	0.0	0
	10-14	---	---	---	---	---	---	---
910:								
Vamp, slightly saline-alkali	0-3	10-20	---	7.9 - 9.6	0	0	4.0-8.0	13-30
	3-36	10-15	---	7.9 - 9.6	1-5	0	4.0-8.0	13-30
	36-42	---	---	---	---	---	---	---
	42-60	10-15	---	7.9 - 9.6	0-1	0	2.0-8.0	1-12
Voltaire	---	---	---	---	---	---	---	---
911:								
Vamp, strongly saline-alkali	0-3	10-20	---	7.9 - 9.6	0	0	16.0-32.0	13-30
	3-36	10-15	---	7.9 - 9.6	1-5	0	4.0-8.0	13-30
	36-42	---	---	---	---	---	---	---
	42-60	10-15	---	7.9 - 9.6	0-1	0	2.0-8.0	1-12
Voltaire	---	---	---	---	---	---	---	---
930:								
Old Camp	0-7	5.0-15	---	6.6 - 7.8	0	0	0.0	0
	7-17	17-23	---	6.6 - 9.0	0-5	0	0.0-2.0	0-5
	17-21	---	---	---	---	---	---	---
931:								
Old Camp	0-7	5.0-15	---	6.6 - 7.8	0	0	0.0	0
	7-17	17-23	---	6.6 - 9.0	0-5	0	0.0-2.0	0-5
	17-21	---	---	---	---	---	---	---
Old Camp	0-8	5.0-15	---	6.6 - 7.8	0	0	0.0	0
	8-17	17-23	---	6.6 - 9.0	0-5	0	0.0-2.0	0-5
	17-21	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
932:								
Old Camp	0-7	5.0-15	---	6.6 - 7.8	0	0	0.0	0
	7-17	17-23	---	6.6 - 9.0	0-5	0	0.0-2.0	0-5
	17-21	---	---	---	---	---	---	---
933:								
Old Camp	0-3	8.0-16	---	6.6 - 7.8	0	0	0.0-2.0	0-5
	3-13	17-23	---	6.6 - 9.0	0-5	0	0.0-2.0	0-5
	13-17	---	---	---	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
933:								
Old Camp	0-3	5.0-20	---	6.6 - 7.8	0	0	0.0-2.0	0-5
	3-13	17-23	---	6.6 - 9.0	0-5	0	0.0-2.0	0-5
	13-17	---	---	---	---	---	---	---
Rubble Land	0-60	---	---	---	0	0	0.0	0
960:								
Kayo	0-11	5.0-10	---	6.1 - 7.3	0	0	0.0	0
	11-22	10-15	---	6.1 - 7.3	0	0	0.0	0
	22-60	2.0-10	---	6.6 - 8.4	1-5	0-1	0.0-2.0	0
961:								
Kayo	0-11	5.0-10	---	6.1 - 7.3	0	0	0.0	0
	11-22	10-15	---	6.1 - 7.3	0	0	0.0	0
	22-60	2.0-10	---	6.6 - 8.4	1-5	0-1	0.0-2.0	0
962:								
Kayo	0-10	5.0-10	---	6.1 - 7.3	0	0	0.0	0
	10-25	10-15	---	6.1 - 7.3	0	0	0.0	0
	25-60	2.0-10	---	6.6 - 8.4	1-5	0-1	0.0-2.0	0
963:								
Kayo	0-11	5.0-10	---	6.1 - 7.3	0	0	0.0	0
	11-22	10-15	---	6.1 - 7.3	0	0	0.0	0
	22-60	2.0-10	---	6.6 - 8.4	1-5	0-1	0.0-2.0	0
971:								
Aladshi	0-7	4.0-12	---	6.1 - 7.3	0	0	0.0	0
	7-34	15-25	---	6.6 - 8.4	1-5	0	0.0-2.0	0
	34-60	5.0-15	---	7.9 - 8.4	1-5	0	0.0-2.0	0
974:								
Aladshi	0-6	4.0-12	---	6.1 - 7.3	0	0	0.0	0
	6-34	15-25	---	6.6 - 8.4	1-5	0	0.0-2.0	0
	34-60	5.0-15	---	7.9 - 8.4	1-5	0	0.0-2.0	0
980:								
Koontz	0-5	10-25	---	6.6 - 7.8	0	0	0.0	0
	5-14	15-30	---	6.1 - 7.8	0	0	0.0	0
	14-18	---	---	---	---	---	---	---
982:								
Koontz	0-6	10-20	---	6.6 - 7.8	0	0	0.0	0
	6-18	15-30	---	6.6 - 8.4	0	0	0.0	0
	18-22	---	---	---	---	---	---	---
983:								

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
983:								
Koontz	0-6	10-20	---	6.6 - 7.8	0	0	0.0	0
	6-18	15-30	---	6.6 - 8.4	0	0	0.0	0
	18-22	---	---	---	---	---	---	---
Nosrac	0-6	10-15	---	6.1 - 7.3	0	0	0.0	0
	6-52	20-30	---	6.6 - 7.3	0	0	0.0	0
	52-60	15-25	---	6.6 - 7.3	0	0	0.0	0
984:								
Koontz	0-8	10-20	---	6.6 - 7.8	0	0	0.0	0
	8-15	15-30	---	6.6 - 8.4	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Tristan	0-7	10-20	---	6.6 - 7.8	0	0	0.0	0
	7-28	15-35	---	6.6 - 7.8	0	0	0.0	0
	28-49	15-20	---	6.6 - 7.8	0	0	0.0	0
	49-53	---	---	---	---	---	---	---
Devada	0-4	20-30	---	6.1 - 7.8	0	0	0.0	0
	4-13	32-48	---	6.1 - 7.8	0	0	0.0	0
	13-17	---	---	---	---	---	---	---
990:								
Rock Outcrop	---	---	---	---	---	---	---	---
991:								
Urban Land	0-60	---	---	---	---	---	0.0	---
Xeric Torriorthents	0-60	---	---	---	---	---	---	---
992:								
Playas	0-6	20-40	---	7.4 - 8.4	1-10	1-10	0.0-4.0	1-5
	6-60	20-40	---	7.4 - 8.4	1-10	1-10	0.0-4.0	1-5
993:								
Endoaquolls	0-60	---	---	---	---	---	---	---
994:								
Badland	0-2	15-60	---	7.4 - 9.6	1-40	0-5	0.0-32.0	0-99
	2-60	---	---	---	---	---	---	---
Chalco	0-3	20-30	---	6.1 - 7.8	0	0	0.0	0
	3-15	30-50	---	6.1 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
994:								
Verdico	0-2	5.0-20	---	6.1 - 7.3	0	0	0.0	0
	2-22	35-50	---	6.1 - 7.3	0	0	0.0	0
	22-29	35-50	---	6.6 - 7.8	0	0	0.0	0
	29-60	---	---	---	---	---	---	---
996:								
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
Playas	0-6	20-40	---	7.4 - 8.4	1-10	1-10	0.0-4.0	1-5
	6-60	20-40	---	7.4 - 8.4	1-10	1-10	0.0-4.0	1-5
997:								
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
998:								
Beaches	0-6	---	0.0	---	0	0	0.0	0
	6-60	---	0.0	---	0	0	0.0	0
1010:								
Gabica	0-9	5.0-15	---	5.6 - 7.3	0	0	0.0	0
	9-14	20-35	---	5.6 - 7.3	0	0	0.0	0
	14-19	20-25	---	5.6 - 7.3	0	0	0.0	0
	19-23	---	---	---	---	---	---	---
1011:								
Gabica	0-5	5.0-15	---	5.6 - 7.3	0	0	0.0	0
	5-14	20-35	---	5.6 - 7.3	0	0	0.0	0
	14-19	20-35	---	5.6 - 7.3	0	0	0.0	0
	19-23	---	---	---	---	---	---	---
Easte	0-10	25-45	---	5.6 - 6.5	0	0	0.0	0
	10-42	30-40	---	5.1 - 6.5	0	0	0.0	0
	42-46	---	---	---	---	---	---	---
Burnborough	0-10	10-25	---	6.1 - 7.3	0	0	0.0	0
	10-60	15-30	---	6.1 - 7.3	0	0	0.0	0
1040:								
Orr Variant	0-18	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	18-39	15-30	---	6.6 - 8.4	0	0	0.0-2.0	0
	39-65	15-30	---	7.4 - 8.4	0	0	0.0-4.0	0
1041:								
Orr Variant, thin surface	0-10	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	10-31	15-30	---	6.6 - 8.4	0	0	0.0-2.0	0
	31-60	15-30	---	7.4 - 8.4	0	0	0.0-4.0	0

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1041:								
1050:								
Waspo	0-7	35-50	---	6.1 - 7.3	0	0	0.0	0
	7-24	35-50	---	6.1 - 7.8	0	0	0.0	0
	24-35	---	---	---	---	---	---	---
1051:								
Waspo	0-7	35-50	---	6.1 - 7.3	0	0	0.0	0
	7-24	35-50	---	6.1 - 7.8	0	0	0.0	0
	24-35	---	---	---	---	---	---	---
1052:								
Waspo	0-9	35-50	---	6.1 - 7.3	0	0	0.0	0
	9-26	35-50	---	6.1 - 7.8	0	0	0.0	0
	26-35	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
1054:								
Waspo	0-6	35-50	---	6.1 - 7.3	0	0	0.0	0
	6-23	35-50	---	6.1 - 7.8	0	0	0.0	0
	23-35	---	---	---	---	---	---	---
1060:								
Witefels	0-8	1.0-5.0	---	5.1 - 6.5	0	0	0.0	0
	8-35	2.0-8.0	---	5.1 - 6.5	0	0	0.0	0
	35-39	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
Wet Areas	---	---	---	---	---	---	---	---
1062:								
Witefels	0-8	1.0-5.0	---	5.1 - 6.5	0	0	0.0	0
	8-35	2.0-8.0	---	5.1 - 6.5	0	0	0.0	0
	35-39	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
Wet Areas	---	---	---	---	---	---	---	---
1080:								
Inville Variant	0-8	10-25	---	5.6 - 6.5	0	0	0.0	0
	8-25	10-25	---	5.6 - 6.5	0	0	0.0	0
	25-78	15-25	---	5.6 - 6.5	0	0	0.0	0
Blackwell	---	---	---	---	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1080:								
1090:								
Railcity	0-6	3.0-10	---	5.6 - 6.5	0	0	0.0	0
	6-60	2.0-8.0	---	5.6 - 6.5	0	0	0.0	0
Blackwell	---	---	---	---	---	---	---	---
1091:								
Railcity	0-6	3.0-10	---	5.6 - 6.5	0	0	0.0	0
	6-60	2.0-8.0	---	5.6 - 6.5	0	0	0.0	0
1100:								
Graylock	0-6	2.0-10	1.0-7.0	4.5 - 6.0	0	0	0.0	0
	6-42	0.0-5.0	1.0-3.0	4.5 - 6.0	0	0	0.0	0
	42-56	0.0-5.0	1.0-3.0	4.5 - 5.0	0	0	0.0	0
	56-60	---	---	---	---	---	---	---
Temo	0-10	2.0-10	---	5.6 - 6.5	0	0	0.0	0
	10-16	2.0-10	---	5.6 - 6.5	0	0	0.0	0
	16-20	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
1120:								
Apmat	0-10	3.0-10	---	5.6 - 7.3	0	0	0.0	0
	10-21	4.0-10	---	5.6 - 7.3	0	0	0.0	0
	21-55	8.0-15	---	5.6 - 7.3	0	0	0.0	0
	55-60	4.0-10	---	5.6 - 7.3	0	0	0.0	0
1121:								
Apmat	0-10	5.0-10	---	5.6 - 7.3	0	0	0.0	0
	10-21	4.0-10	---	5.6 - 7.3	0	0	0.0	0
	21-55	8.0-15	---	5.6 - 7.3	0	0	0.0	0
	55-60	4.0-10	---	5.6 - 7.3	0	0	0.0	0
1130:								
Dithod	0-6	10-20	---	6.6 - 7.8	0	0	0.0	0
	6-15	10-20	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	15-46	15-20	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	46-60	1.0-5.0	---	6.6 - 8.4	0	0	0.0-2.0	0-5
Voltaire	---	---	---	---	---	---	---	---
1141:								
Bedell	0-15	3.0-10	---	6.1 - 7.3	0	0	0.0	0
	15-54	10-15	---	6.1 - 7.3	0	0	0.0	0
	54-65	2.0-10	---	6.1 - 7.3	0	0	0.0	0

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1141:								
1142:								
Bedell	0-15	3.0-10	---	6.1 - 7.3	0	0	0.0	0
	15-54	10-15	---	6.1 - 7.3	0	0	0.0	0
	54-65	2.0-10	---	6.1 - 7.3	0	0	0.0	0
1143:								
Bedell	0-14	3.0-10	---	6.1 - 7.3	0	0	0.0	0
	14-50	10-15	---	6.1 - 7.3	0	0	0.0	0
	50-60	2.0-10	---	6.1 - 7.3	0	0	0.0	0
1160:								
Jowec	0-2	20-30	---	6.1 - 7.3	0	0	0.0	0
	2-20	30-40	---	6.1 - 7.3	0	0	0.0	0
	20-38	25-35	---	6.1 - 7.3	0	0	0.0	0
	38-60	10-15	---	7.4 - 9.0	1-5	0-1	0.0-2.0	0-5
1161:								
Jowec	0-2	10-20	---	6.1 - 7.3	0	0	0.0	0
	2-20	30-40	---	6.1 - 7.3	0	0	0.0	0
	20-38	25-35	---	6.1 - 7.3	0	0	0.0	0
	38-60	10-15	---	7.4 - 9.0	1-5	0-1	0.0-2.0	0-5
1170:								
Wedertz	0-6	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	6-22	15-25	---	6.1 - 7.3	1-3	0	0.0	0
	22-34	10-15	---	6.1 - 7.3	0	0	0.0	0
	34-60	2.0-8.0	---	7.9 - 9.0	1-3	0	0.0	0
1171:								
Wedertz	0-8	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	8-31	15-25	---	6.1 - 7.3	1-3	0	0.0	0
	31-38	10-15	---	6.1 - 7.3	0	0	0.0	0
	38-60	2.0-8.0	---	7.9 - 9.0	1-3	0	0.0	0
1172:								
Wedertz	0-7	2.0-8.0	---	6.1 - 7.3	0	0	0.0	0
	7-25	15-25	---	6.1 - 7.3	1-3	0	0.0	0
	25-31	10-15	---	6.1 - 7.3	0	0	0.0	0
	31-60	2.0-8.0	---	7.9 - 9.0	1-3	0	0.0	0
1181:								
Haypress	0-15	5.0-10	---	5.6 - 6.5	0	0	0.0	0
	15-46	5.0-10	---	5.6 - 6.5	0	0	0.0	0
	46-50	---	---	---	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1181:								
Tanob	0-17	5.0-15	---	5.1 - 6.5	0	0	0.0	0
	17-28	5.0-15	---	5.6 - 6.5	0	0	0.0	0
	28-32	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
1182:								
Haypress	0-15	5.0-10	---	5.6 - 6.5	0	0	0.0	0
	15-46	5.0-10	---	5.6 - 6.5	0	0	0.0	0
	46-50	---	---	---	---	---	---	---
Tanob	0-17	5.0-15	---	5.1 - 6.5	0	0	0.0	0
	17-28	5.0-15	---	5.6 - 6.5	0	0	0.0	0
	28-32	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
1183:								
Haypress	0-14	5.0-10	---	5.6 - 6.5	0	0	0.0	0
	14-49	5.0-10	---	5.6 - 6.5	0	0	0.0	0
	49-53	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
1190:								
Spasprey	0-2	10-20	---	6.6 - 7.3	0	0	0.0	0
	2-12	15-30	---	6.6 - 7.8	0	0	0.0	0
	12-29	5.0-10	---	7.9 - 8.4	1-5	0	0.0-4.0	0
	29-46	---	---	---	---	---	---	---
	46-60	5.0-10	---	7.9 - 8.4	1-5	0	0.0-4.0	0
1191:								
Spasprey	0-2	10-20	---	6.6 - 7.3	0	0	0.0	0
	2-12	15-30	---	6.6 - 7.8	0	0	0.0	0
	12-29	5.0-10	---	7.9 - 8.4	1-5	0	0.0-4.0	0
	29-46	---	---	---	---	---	---	---
	46-60	5.0-10	---	7.9 - 8.4	1-5	0	0.0-4.0	0
1192:								
Spasprey	0-6	3.0-10	---	6.6 - 7.3	0	0	0.0	0
	6-14	15-30	---	6.6 - 7.8	0	0	0.0	0
	14-30	5.0-10	---	7.9 - 8.4	1-5	0	0.0-4.0	0
	30-47	---	---	---	---	---	---	---
	47-60	5.0-10	---	7.9 - 8.4	1-5	0	0.0-4.0	0
1193:								

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1193:								
Spasprey	0-2	10-20	---	6.6 - 7.3	0	0	0.0	0
	2-12	15-30	---	6.6 - 7.8	0	0	0.0	0
	12-29	5.0-10	---	7.9 - 8.4	1-5	0	0.0-4.0	0
	29-46	---	---	---	---	---	---	---
	46-60	5.0-10	---	7.9 - 8.4	1-5	0	0.0-4.0	0
1194:								
Spasprey	0-3	10-15	---	6.6 - 7.3	0	0	0.0	0
	3-14	15-30	---	6.6 - 7.8	0	0	0.0	0
	14-23	5.0-10	---	7.9 - 8.4	1-5	0	0.0-4.0	0
	23-40	---	---	---	---	---	---	---
	40-60	5.0-10	---	7.9 - 8.4	1-5	0	0.0-4.0	0
1200:								
Mellor	0-11	10-20	---	7.9 - 9.0	1-5	0	8.0-16.0	1-12
	11-26	25-30	---	8.5 - 9.6	5-15	0-1	16.0-32.0	13-30
	26-60	15-25	---	7.9 - 9.6	1-5	0-1	16.0-32.0	13-30
1210:								
Linhart	0-14	3.0-10	---	6.1 - 7.3	0	0	0.0	0
	14-60	3.0-10	---	6.1 - 7.3	0	0	0.0	0
1211:								
Linhart	0-14	3.0-10	---	6.1 - 7.3	0	0	0.0	0
	14-60	3.0-10	---	6.1 - 7.3	0	0	0.0	0
1220:								
Calpine	0-21	10-20	---	5.6 - 7.3	0	0	0.0	0
	21-46	10-15	---	5.6 - 7.3	0	0	0.0	0
	46-81	5.0-15	---	6.1 - 7.3	0	0	0.0	0
1240:								
Pizene	0-6	5.0-10	---	7.9 - 9.6	0	0	0.0-2.0	1-12
	6-21	15-20	---	8.5 - 9.6	1-5	0	2.0-8.0	13-30
	21-60	3.0-10	---	7.9 - 9.0	5-15	0-1	0.0-2.0	1-12
1250:								
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
1251:								
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

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1261:								
Thulepah	0-16	15-25	---	6.1 - 7.3	0	0	0.0	0
	16-42	20-35	---	6.1 - 7.3	0	0	0.0	0
	42-60	20-30	---	6.1 - 7.3	0	0	0.0	0
Hutchley	0-6	7.0-15	---	6.6 - 7.8	0	0	0.0	0
	6-14	15-25	---	6.6 - 7.8	0	0	0.0	0
	14-24	---	---	---	---	---	---	---
1270:								
Indiano	0-13	10-20	---	6.1 - 7.3	0	0	0.0	0
	13-33	15-30	---	6.1 - 7.3	0	0	0.0	0
	33-37	---	---	---	---	---	---	---
Tristan	0-7	10-20	---	6.6 - 7.8	0	0	0.0	0
	7-28	15-35	---	6.6 - 7.8	0	0	0.0	0
	28-49	15-20	---	6.6 - 7.8	0	0	0.0	0
	49-53	---	---	---	---	---	---	---
Lemm	0-19	5.0-20	---	6.1 - 7.8	0	0	0.0	0
	19-40	10-15	---	6.1 - 7.8	0	0	0.0	0
	40-60	3.0-10	---	6.6 - 7.8	0	0	0.0	0
1271:								
Barshaad	0-1	8.0-20	---	6.6 - 8.4	0	0	0.0-2.0	0
	1-24	25-40	---	6.6 - 8.4	0	0	0.0-2.0	0
	24-28	---	---	---	---	---	---	---
Tristan	0-7	10-20	---	6.6 - 7.8	0	0	0.0	0
	7-28	15-35	---	6.6 - 7.8	0	0	0.0	0
	28-49	15-20	---	6.6 - 7.8	0	0	0.0	0
	49-53	---	---	---	---	---	---	---
Arzo	0-2	20-25	---	6.6 - 8.4	0	0	0.0-2.0	0
	2-27	25-35	---	6.6 - 8.4	1-5	0	0.0-2.0	0
	27-35	15-25	---	6.6 - 8.4	15-25	0	0.0-2.0	0
	35-39	---	---	---	---	---	---	---
1272:								
Tristan	0-7	10-20	---	6.6 - 7.8	0	0	0.0	0
	7-28	15-35	---	6.6 - 7.8	0	0	0.0	0
	28-49	15-20	---	6.6 - 7.8	0	0	0.0	0
	49-53	---	---	---	---	---	---	---
Arzo	0-2	20-25	---	6.6 - 8.4	0	0	0.0-2.0	0
	2-27	25-35	---	6.6 - 8.4	1-5	0	0.0-2.0	0
	27-35	15-25	---	6.6 - 8.4	15-25	0	0.0-2.0	0
	35-39	---	---	---	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1272:								
Reywat	0-6	5.0-20	---	6.6 - 7.8	0	0	0.0	0
	6-12	10-25	---	6.6 - 8.4	0	0	0.0	0
	12-18	10-25	---	6.6 - 8.4	1-2	0	0.0	0
	18-22	---	---	---	---	---	---	---
1273:								
Barshaad	0-1	8.0-20	---	6.6 - 8.4	0	0	0.0-2.0	0
	1-24	25-40	---	6.6 - 8.4	0	0	0.0-2.0	0
	24-28	---	---	---	---	---	---	---
Tristan	0-7	10-20	---	6.6 - 7.8	0	0	0.0	0
	7-28	15-35	---	6.6 - 7.8	0	0	0.0	0
	28-49	15-20	---	6.6 - 7.8	0	0	0.0	0
	49-53	---	---	---	---	---	---	---
Frodo	0-6	30-55	---	6.1 - 7.3	0	0	0.0	0
	6-18	30-50	---	6.6 - 8.4	1-5	0	0.0-2.0	0
	18-23	---	---	---	---	---	---	---
	23-30	---	---	---	---	---	---	---
1290:								
Parran, rarely flooded	0-5	25-35	---	7.9 - 9.6	1-5	1-5	32.0-99.0	46-150
	5-60	30-45	---	7.9 - 9.6	1-5	1-5	16.0-99.0	46-150
Other Soils	---	---	---	---	---	---	---	---
1300:								
Rose Creek Variant	0-5	10-15	---	7.9 - 9.0	1-5	0	0.0-2.0	0-5
	5-12	10-15	---	7.9 - 9.0	1-5	0	0.0-2.0	0-5
	12-60	10-15	---	7.9 - 9.0	5-10	0	0.0-2.0	0-5
1301:								
Rose Creek Variant	0-5	5.0-10	---	7.9 - 9.0	1-5	0	0.0-2.0	0-5
	5-12	10-15	---	7.9 - 9.0	1-5	0	0.0-2.0	0-5
	12-60	10-15	---	7.9 - 9.0	5-10	0	0.0-2.0	0-5
1310:								
Bango	0-4	4.0-7.0	---	7.9 - 9.0	1-5	0	4.0-8.0	10-30
	4-8	12-19	---	7.9 - 9.0	1-5	0-1	4.0-8.0	10-30
	8-60	11-16	---	7.9 - 9.0	5-10	0-1	4.0-8.0	13-45
1320:								
Osobb	0-4	10-15	---	7.4 - 9.0	1-5	0	0.0-2.0	1-5
	4-17	10-15	---	7.9 - 9.6	5-10	0	2.0-4.0	1-5
	17-18	---	---	---	---	---	---	---
	18-22	---	---	---	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1320:								
Fireball	0-3	10-15	---	7.9 - 9.0	1-5	0	0.0-2.0	1-12
	3-24	15-30	---	8.5 - 9.6	1-5	0	0.0-2.0	13-30
	24-47	10-15	---	8.5 - 9.6	6-15	0	0.0-2.0	13-30
	47-51	---	---	---	---	---	---	---
Rezave	0-4	10-15	---	6.6 - 8.4	0-2	0	0.0-2.0	1-12
	4-13	30-45	---	7.9 - 9.0	1-5	0	2.0-4.0	1-12
	13-19	30-40	---	8.5 - 9.6	5-15	0	2.0-8.0	1-12
	19-23	---	---	---	---	---	---	---
1330:								
Sutcliff	0-5	10-20	---	7.9 - 8.4	1-3	0	0.0-2.0	1-5
	5-25	20-30	---	7.9 - 9.0	1-5	0	0.0-2.0	1-12
	25-42	10-20	---	8.5 - 9.6	5-10	0-1	0.0-2.0	1-12
	42-53	---	---	---	---	---	---	---
Kleinbush	0-5	1.0-8.0	---	7.4 - 8.4	0	0	0.0-2.0	1-5
	5-38	30-50	---	7.9 - 9.6	1-5	0-2	2.0-8.0	13-30
	38-60	10-25	---	7.9 - 9.6	5-15	0-2	8.0-16.0	13-30
Washoe	0-11	10-20	---	6.1 - 7.3	0	0	0.0	0
	11-42	15-25	---	6.1 - 7.3	0	0	0.0	0
	42-60	5.0-15	---	6.1 - 7.3	0	0	0.0	0
1331:								
Bundorf	0-2	10-20	---	7.9 - 9.0	1-5	0	0.0-2.0	1-5
	2-10	30-40	---	7.9 - 9.0	1-5	0	0.0-2.0	1-12
	10-19	30-40	---	8.5 - 9.6	5-10	0-1	0.0-2.0	5-12
	19-27	---	---	---	---	---	---	---
Sutcliff	0-5	10-20	---	7.9 - 8.4	1-3	0	0.0-2.0	1-5
	5-25	20-30	---	7.9 - 9.0	1-5	0	0.0-2.0	1-12
	25-42	10-20	---	8.5 - 9.6	5-10	0-1	0.0-2.0	1-12
	42-53	---	---	---	---	---	---	---
Kleinbush	0-5	1.0-8.0	---	7.4 - 8.4	0	0	0.0-2.0	1-5
	5-38	30-50	---	7.9 - 9.6	1-5	0-2	2.0-8.0	13-30
	38-60	10-25	---	7.9 - 9.6	5-15	0-2	8.0-16.0	13-30
1340:								
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
Ruhe	0-6	1.0-5.0	---	7.9 - 9.0	1-5	0	2.0-4.0	0-5
	6-14	1.0-5.0	---	7.9 - 9.0	5-15	0	2.0-4.0	0-5
	14-35	---	---	---	---	---	---	---
	35-60	1.0-5.0	---	7.9 - 9.6	5-10	0-1	4.0-8.0	1-5

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1340:								
Bluewing	0-7	2.0-8.0	---	7.4 - 9.0	0-5	0	0.0-2.0	1-5
	7-60	2.0-8.0	---	7.4 - 9.0	1-5	0	0.0-4.0	1-12
1341:								
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
Playas	0-6	20-40	---	7.4 - 8.4	1-10	1-10	0.0-4.0	1-5
	6-60	20-40	---	7.4 - 8.4	1-10	1-10	0.0-4.0	1-5
1342:								
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	20-40	---	7.4 - 8.4	1-5	1-5	0.0-4.0	1-5
	6-60	20-40	---	7.4 - 8.4	1-10	1-10	0.0-4.0	1-5
1344:								
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
Toulon	0-6	5.0-10	---	7.9 - 9.0	0-5	0-2	2.0-4.0	0-12
	6-13	5.0-10	---	7.9 - 9.0	1-5	0-2	2.0-4.0	0-12
	13-60	0.0-3.0	---	7.9 - 9.0	1-5	0-2	2.0-4.0	0-12
Playas	0-6	20-40	---	7.4 - 8.4	1-10	1-10	0.0-4.0	1-5
	6-60	20-40	---	7.4 - 8.4	1-10	1-10	0.0-4.0	1-5
1345:								
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
1346:								
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
Typic Torriorthents	0-5	1.0-5.0	---	7.9 - 9.0	1-3	0	0.0-4.0	13-30
	5-60	---	---	---	---	---	---	---
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

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1346:								
Playas	---	---	---	---	---	---	---	---
1347:								
Hawsley	0-5	1.0-5.0	---	6.6 - 8.4	0	0	0.0	0
	5-60	1.0-5.0	---	7.4 - 9.0	1-5	0	0.0-2.0	1-5
Bluewing	0-2	2.0-8.0	---	7.4 - 9.0	0-5	0	0.0-2.0	0-5
	2-60	2.0-8.0	---	7.4 - 9.0	1-5	0	0.0-4.0	0-12
1350:								
Stumble	0-2	2.0-8.0	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	2-24	2.0-8.0	---	7.9 - 8.4	1-5	0	0.0-4.0	0-5
	24-60	2.0-8.0	---	7.9 - 9.0	1-5	0	0.0-8.0	0-5
Ruhe	0-6	1.0-5.0	---	7.9 - 9.0	1-5	0	2.0-4.0	0-5
	6-14	1.0-5.0	---	7.9 - 9.0	5-15	0	2.0-4.0	0-5
	14-35	---	---	---	---	---	---	---
	35-60	1.0-5.0	---	7.9 - 9.6	5-10	0-1	4.0-8.0	1-5
Bluewing	0-9	2.0-8.0	---	7.4 - 9.0	0-5	0	0.0-2.0	1-5
	9-54	2.0-8.0	---	7.4 - 9.0	1-5	0	0.0-4.0	1-12
1351:								
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
1360:								
Trocken	0-3	3.0-10	---	6.6 - 9.6	1-5	0	0.0-2.0	0-12
	3-60	5.0-12	---	6.6 - 9.6	5-10	0-1	2.0-4.0	1-12
Bluewing	0-9	2.0-8.0	---	7.4 - 9.0	0-5	0	0.0-2.0	1-5
	9-54	2.0-8.0	---	7.4 - 9.0	1-5	0	0.0-4.0	1-12
Stumble	0-2	2.0-8.0	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	2-24	2.0-8.0	---	7.9 - 8.4	1-5	0	0.0-4.0	0-5
	24-60	2.0-8.0	---	7.9 - 9.0	1-5	0	0.0-8.0	0-5
1361:								
Ruhe	0-6	1.0-5.0	---	7.9 - 9.0	1-5	0	2.0-4.0	0-5
	6-14	1.0-5.0	---	7.9 - 9.0	5-15	0	2.0-4.0	0-5
	14-35	---	---	---	---	---	---	---
	35-60	1.0-5.0	---	7.9 - 9.6	5-10	0-1	4.0-8.0	1-5
Trocken	0-3	3.0-10	---	6.6 - 9.6	1-5	0	0.0-2.0	0-12
	3-60	5.0-12	---	6.6 - 9.6	5-10	0-1	2.0-4.0	1-12

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1361:								
Bluewing	0-9	2.0-8.0	---	7.4 - 9.0	0-5	0	0.0-2.0	1-5
	9-54	2.0-8.0	---	7.4 - 9.0	1-5	0	0.0-4.0	1-12
1362:								
Trocken	0-3	3.0-10	---	6.6 - 9.6	1-5	0	0.0-2.0	0-12
	3-60	5.0-12	---	6.6 - 9.6	5-10	0-1	2.0-4.0	1-12
Badland	0-2	15-60	---	7.4 - 9.6	1-40	0-5	0.0-32.0	0-99
	2-60	---	---	---	---	---	---	---
1363:								
Trocken	0-3	3.0-10	---	6.6 - 9.6	1-5	0	0.0-2.0	0-12
	3-60	5.0-12	---	6.6 - 9.6	5-10	0-1	2.0-4.0	1-12
1364:								
Trocken	0-3	3.0-10	---	6.6 - 9.6	1-5	0	0.0-2.0	0-12
	3-60	5.0-12	---	6.6 - 9.6	5-10	0-1	2.0-4.0	1-12
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
1370:								
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
	6-12	---	---	---	---	---	---	---
	12-16	---	---	---	---	---	---	---
Fireball	0-3	10-15	---	7.9 - 9.0	1-5	0	0.0-2.0	1-12
	3-24	15-30	---	8.5 - 9.6	1-5	0	0.0-2.0	1-12
	24-47	10-15	---	8.5 - 9.6	6-15	0	0.0-2.0	1-12
	47-51	---	---	---	---	---	---	---
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
1371:								
Flex	0-3	10-20	---	6.1 - 7.3	0	0	0.0	0
	3-10	15-25	---	6.1 - 7.3	0	0	0.0	0
	10-14	---	---	---	---	---	---	---
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
	6-12	---	---	---	---	---	---	---
	12-16	---	---	---	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1371:								
Acrelane	0-6	10-25	---	5.6 - 7.3	0	0	0.0	0
	6-10	15-25	---	6.6 - 7.8	0	0	0.0	0
	10-14	---	---	---	---	---	---	---
1372:								
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
	6-12	---	---	---	---	---	---	---
	12-16	---	---	---	---	---	---	---
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
1373:								
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
	6-12	---	---	---	---	---	---	---
	12-16	---	---	---	---	---	---	---
Mizel	0-3	5.0-15	---	5.6 - 6.5	0	0	0.0	0
	3-7	---	---	---	---	---	---	---
Stingdorn	0-4	15-20	---	7.9 - 8.4	0	0	0.0-2.0	0
	4-9	20-30	---	7.9 - 8.4	1-5	0	0.0-2.0	0
	9-12	5.0-10	---	7.9 - 9.0	1-5	0-1	0.0-2.0	0-5
	12-13	---	---	---	---	---	---	---
	13-17	---	---	---	---	---	---	---
1374:								
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
	6-12	---	---	---	---	---	---	---
	12-16	---	---	---	---	---	---	---
Fireball	0-3	10-15	---	7.9 - 9.0	1-5	0	0.0-2.0	1-12
	3-24	15-30	---	8.5 - 9.6	1-5	0	0.0-2.0	1-12
	24-47	10-15	---	8.5 - 9.6	6-15	0	0.0-2.0	1-12
	47-51	---	---	---	---	---	---	---
Osobb	0-4	10-15	---	7.4 - 9.0	1-5	0	0.0-2.0	1-5
	4-17	10-15	---	7.9 - 9.6	5-10	0	2.0-4.0	1-5
	17-18	---	---	---	---	---	---	---
	18-22	---	---	---	---	---	---	---

1380:

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1380:								
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
	6-12	---	---	---	---	---	---	---
	12-16	---	---	---	---	---	---	---
Stingdom	0-4	15-20	---	7.9 - 8.4	0	0	0.0-2.0	0
	4-9	20-30	---	7.9 - 8.4	1-5	0	0.0-2.0	0
	9-12	5.0-10	---	7.9 - 9.0	1-5	0-1	0.0-2.0	0-5
	12-13	---	---	---	---	---	---	---
	13-17	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
1390:								
Osobb	0-4	10-15	---	7.4 - 9.0	1-5	0	0.0-2.0	1-5
	4-17	10-15	---	7.9 - 9.6	5-10	0	2.0-4.0	1-5
	17-18	---	---	---	---	---	---	---
	18-22	---	---	---	---	---	---	---
Pirouette	0-3	10-15	---	7.9 - 9.0	1-5	0	0.0-2.0	1-12
	3-10	20-30	---	7.9 - 9.0	0-5	0-1	2.0-8.0	13-30
	10-19	3.0-10	---	8.5 - 9.6	1-5	0-1	4.0-8.0	13-30
	19-20	---	---	---	---	---	---	---
	20-24	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
1400:								
Gabica	0-5	5.0-15	---	5.6 - 7.3	0	0	0.0	0
	5-14	20-35	---	5.6 - 7.3	0	0	0.0	0
	14-19	20-35	---	5.6 - 7.3	0	0	0.0	0
	19-23	---	---	---	---	---	---	---
Softscabble	0-9	10-25	---	6.1 - 7.3	0	0	0.0	0
	9-30	15-30	---	6.1 - 7.3	0	0	0.0	0
	30-78	15-30	---	6.1 - 7.3	0	0	0.0	0
	78-89	---	---	---	---	---	---	---
Burnborough	0-17	10-25	---	6.1 - 7.3	0	0	0.0	0
	17-60	15-30	---	6.1 - 7.3	0	0	0.0	0
1401:								
Softscabble	0-9	10-25	---	6.1 - 7.3	0	0	0.0	0
	9-30	15-30	---	6.1 - 7.3	0	0	0.0	0
	30-78	15-30	---	6.1 - 7.3	0	0	0.0	0
	78-89	---	---	---	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1401:								
Gabica	0-5	5.0-15	---	5.6 - 7.3	0	0	0.0	0
	5-14	20-35	---	5.6 - 7.3	0	0	0.0	0
	14-19	20-35	---	5.6 - 7.3	0	0	0.0	0
	19-23	---	---	---	---	---	---	---
Sumine	0-6	20-30	---	6.6 - 7.8	0	0	0.0	0
	6-28	25-40	---	6.6 - 7.8	0	0	0.0	0
	28-32	---	---	---	---	---	---	---
Blackwell	---	---	---	---	---	---	---	---
1402:								
Softscrabble	0-20	10-25	---	6.1 - 7.3	0	0	0.0	0
	20-32	15-30	---	6.1 - 7.3	0	0	0.0	0
	32-61	15-30	---	6.1 - 7.3	0	0	0.0	0
	61-65	---	---	---	---	---	---	---
Hutchley	0-6	7.0-15	---	6.6 - 7.8	0	0	0.0	0
	6-14	15-25	---	6.6 - 7.8	0	0	0.0	0
	14-24	---	---	---	---	---	---	---
Burnborough	0-16	10-25	---	6.1 - 7.3	0	0	0.0	0
	16-60	15-30	---	6.1 - 7.3	0	0	0.0	0
1403:								
Softscrabble	0-20	10-25	---	6.1 - 7.3	0	0	0.0	0
	20-32	15-30	---	6.1 - 7.3	0	0	0.0	0
	32-61	15-30	---	6.1 - 7.3	0	0	0.0	0
	61-65	---	---	---	---	---	---	---
Sumine	0-6	20-30	---	6.6 - 7.8	0	0	0.0	0
	6-28	25-40	---	6.6 - 7.8	0	0	0.0	0
	28-32	---	---	---	---	---	---	---
Hutchley	0-6	7.0-15	---	6.6 - 7.8	0	0	0.0	0
	6-14	15-25	---	6.6 - 7.8	0	0	0.0	0
	14-24	---	---	---	---	---	---	---
1410:								
Burnborough	0-17	10-25	---	6.1 - 7.3	0	0	0.0	0
	17-60	15-30	---	6.1 - 7.3	0	0	0.0	0
Ticino	0-11	10-20	---	6.1 - 7.3	0	0	0.0	0
	11-22	15-35	---	6.1 - 7.3	0	0	0.0	0
	22-26	---	---	---	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1410:								
Gabica	0-5	5.0-15	---	5.6 - 7.3	0	0	0.0	0
	5-14	20-35	---	5.6 - 7.3	0	0	0.0	0
	14-19	20-35	---	5.6 - 7.3	0	0	0.0	0
	19-23	---	---	---	---	---	---	---
1411:								
Burnborough	0-17	10-25	---	6.1 - 7.3	0	0	0.0	0
	17-60	15-30	---	6.1 - 7.3	0	0	0.0	0
Ticino	0-11	10-20	---	6.1 - 7.3	0	0	0.0	0
	11-22	15-35	---	6.1 - 7.3	0	0	0.0	0
	22-26	---	---	---	---	---	---	---
Softscrabble	0-9	10-25	---	6.1 - 7.3	0	0	0.0	0
	9-30	15-30	---	6.1 - 7.3	0	0	0.0	0
	30-78	15-30	---	6.1 - 7.3	0	0	0.0	0
	78-89	---	---	---	---	---	---	---
1420:								
Barshaad	0-1	8.0-20	---	6.6 - 8.4	0	0	0.0-2.0	0
	1-24	25-40	---	6.6 - 8.4	0	0	0.0-2.0	0
	24-28	---	---	---	---	---	---	---
Fugawee	0-9	25-35	---	5.6 - 6.5	0	0	0.0	0
	9-17	25-40	12-30	4.5 - 6.0	0	0	0.0	0
	17-37	45-55	25-40	4.5 - 6.0	0	0	0.0	0
	37-41	---	---	---	---	---	---	---
Duckhill Variant	0-8	10-15	---	6.6 - 7.3	0	0	0.0	0
	8-13	15-25	---	6.1 - 7.3	0	0	0.0	0
	13-17	---	---	---	---	---	---	---
1430:								
Fraval	0-9	20-30	---	5.6 - 6.5	0	0	0.0	0
	9-27	30-50	---	5.6 - 6.5	0	0	0.0	0
	27-40	---	---	---	---	---	---	---
Booford	0-8	10-25	---	6.1 - 7.3	0	0	0.0	0
	8-25	35-50	---	6.1 - 7.3	0	0	0.0	0
	25-45	---	---	---	---	---	---	---
Jumbo	0-21	15-30	---	5.6 - 7.3	0	0	0.0	0
	21-54	15-25	---	5.6 - 7.3	0	0	0.0	0
	54-70	---	---	---	---	---	---	---

1431:

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1431:								
Fraval	0-9	20-30	---	5.6 - 6.5	0	0	0.0	0
	9-27	30-50	---	5.6 - 6.5	0	0	0.0	0
	27-40	---	---	---	---	---	---	---
Duckhill Variant	0-8	10-15	---	6.6 - 7.3	0	0	0.0	0
	8-13	15-25	---	6.1 - 7.3	0	0	0.0	0
	13-17	---	---	---	---	---	---	---
Hirschdale	0-6	25-50	---	6.1 - 7.3	0	0	0.0	0
	6-39	55-80	---	6.1 - 7.3	0	0	0.0	0
	39-43	---	---	---	---	---	---	---
1432:								
Fraval	0-9	20-30	---	5.6 - 6.5	0	0	0.0	0
	9-27	30-50	---	5.6 - 6.5	0	0	0.0	0
	27-40	---	---	---	---	---	---	---
Hirschdale	0-6	25-50	---	6.1 - 7.3	0	0	0.0	0
	6-39	55-80	---	6.1 - 7.3	0	0	0.0	0
	39-43	---	---	---	---	---	---	---
Jumbo	0-21	15-30	---	5.6 - 7.3	0	0	0.0	0
	21-54	15-25	---	5.6 - 7.3	0	0	0.0	0
	54-70	---	---	---	---	---	---	---
1440:								
Tallac	0-21	5.0-20	---	5.6 - 6.5	0	0	0.0	0
	21-31	5.0-10	---	5.6 - 6.5	0	0	0.0	0
	31-42	3.0-8.0	---	5.6 - 6.5	0	0	0.0	0
	42-65	---	---	---	---	---	---	---
Wet Areas	---	---	---	---	---	---	---	---
1441:								
Tallac	0-21	5.0-20	---	5.6 - 6.5	0	0	0.0	0
	21-31	5.0-10	---	5.6 - 6.5	0	0	0.0	0
	31-42	3.0-8.0	---	5.6 - 6.5	0	0	0.0	0
	42-65	---	---	---	---	---	---	---
1450:								
Meiss	0-6	40-50	---	5.6 - 6.5	0	0	0.0	0
	6-13	40-50	---	5.6 - 6.5	0	0	0.0	0
	13-17	---	---	---	---	---	---	---
Sibelia	0-6	15-25	---	6.1 - 7.3	0	0	0.0	0
	6-20	10-20	---	6.1 - 7.3	0	0	0.0	0
	20-47	10-15	---	6.1 - 7.3	0	0	0.0	0
	47-51	---	---	---	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1450:								
Rock Outcrop	---	---	---	---	---	---	---	---
1460:								
Jorge	0-9	12-25	---	5.6 - 6.5	0	0	0.0	0
	9-24	8.0-20	---	5.6 - 6.5	0	0	0.0	0
	24-52	15-25	8.0-15	4.5 - 6.0	0	0	0.0	0
	52-84	8.0-15	---	5.1 - 6.0	0	0	0.0	0
	84-88	---	---	---	---	---	---	---
Boomtown	0-17	3.0-10	---	5.6 - 6.5	0	0	0.0	0
	17-22	3.0-10	---	5.6 - 6.5	0	0	0.0	0
	22-53	15-25	---	5.6 - 6.5	0	0	0.0	0
	53-61	9.0-16	---	5.6 - 6.5	0	0	0.0	0
Fugawee	0-9	25-35	---	5.6 - 6.5	0	0	0.0	0
	9-17	25-40	12-30	4.5 - 6.0	0	0	0.0	0
	17-37	45-55	25-40	4.5 - 6.0	0	0	0.0	0
	37-41	---	---	---	---	---	---	---
1470:								
Carioca	0-7	10-25	---	5.6 - 6.5	0	0	0.0	0
	7-30	10-25	---	5.6 - 6.5	0	0	0.0	0
	30-56	25-45	---	5.6 - 6.5	0	0	0.0	0
	56-65	25-40	---	5.6 - 6.5	0	0	0.0	0
	65-69	---	---	---	---	---	---	---
Sibelia Variant	0-21	5.0-15	---	5.6 - 6.0	0	0	0.0	0
	21-60	5.0-15	---	5.6 - 6.5	0	0	0.0	0
Fugawee	0-9	25-35	---	5.6 - 6.5	0	0	0.0	0
	9-17	25-40	12-30	4.5 - 6.0	0	0	0.0	0
	17-37	45-55	25-40	4.5 - 6.0	0	0	0.0	0
	37-41	---	---	---	---	---	---	---
Blackwell	---	---	---	---	---	---	---	---
1480:								
Macareeno	0-11	10-30	---	6.1 - 7.3	0	0	0.0	0
	11-41	25-30	---	5.6 - 6.5	0	0	0.0	0
	41-54	15-25	---	6.1 - 6.5	0	0	0.0	0
Blackwell	0-11	10-25	---	6.1 - 7.3	0	0	0.0	0
	11-60	10-30	---	6.1 - 7.3	0	0	0.0	0

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1480:								
Carioca	0-7	10-25	---	5.6 - 6.5	0	0	0.0	0
	7-30	10-25	---	5.6 - 6.5	0	0	0.0	0
	30-56	25-45	---	5.6 - 6.5	0	0	0.0	0
	56-65	25-40	---	5.6 - 6.5	0	0	0.0	0
	65-69	---	---	---	---	---	---	---
Wet Areas	---	---	---	---	---	---	---	---
1490:								
Arzo	0-2	20-25	---	6.6 - 8.4	0	0	0.0-2.0	0
	2-27	25-35	---	6.6 - 8.4	1-5	0	0.0-2.0	0
	27-35	15-25	---	6.6 - 8.4	15-25	0	0.0-2.0	0
	35-39	---	---	---	---	---	---	---
Barnard	0-15	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	15-26	30-35	---	6.6 - 7.8	0	0	0.0	0
	26-30	---	---	---	---	---	---	---
Indiano	0-13	10-20	---	6.1 - 7.3	0	0	0.0	0
	13-33	15-30	---	6.1 - 7.3	0	0	0.0	0
	33-37	---	---	---	---	---	---	---
1520:								
Duco	0-5	10-20	---	6.1 - 7.8	0	0	0.0	0
	5-19	20-30	---	6.1 - 7.8	0	0	0.0	0
	19-23	---	---	---	---	---	---	---
Smallcone	0-6	3.0-6.0	---	5.1 - 6.0	0	0	0.0	0
	6-10	---	---	---	---	---	---	---
Cagle	0-4	25-35	---	6.1 - 7.8	0	0	0.0	0
	4-24	30-45	---	6.1 - 7.8	0	0	0.0	0
	24-28	30-45	---	6.1 - 7.8	0	0	0.0	0
	28-32	---	---	---	---	---	---	---
1521:								
Duco	0-5	10-20	---	6.1 - 7.8	0	0	0.0	0
	5-19	20-30	---	6.1 - 7.8	0	0	0.0	0
	19-23	---	---	---	---	---	---	---
Yuko	0-2	15-25	---	6.1 - 7.3	0	0	0.0	0
	2-8	25-35	---	6.1 - 8.4	0	0	0.0-2.0	0
	8-12	---	---	---	---	---	---	---
Lemm	0-19	5.0-20	---	6.1 - 7.8	0	0	0.0	0
	19-40	10-15	---	6.1 - 7.8	0	0	0.0	0
	40-60	3.0-10	---	6.6 - 7.8	0	0	0.0	0

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1522:								
Duco	0-5	10-20	---	6.1 - 7.8	0	0	0.0	0
	5-19	20-30	---	6.1 - 7.8	0	0	0.0	0
	19-23	---	---	---	---	---	---	---
Pahrangle	0-11	10-15	---	6.1 - 7.3	0	0	0.0	0
	11-26	25-30	---	6.1 - 7.3	0	0	0.0	0
	26-30	---	---	---	---	---	---	---
Lemm	0-19	5.0-20	---	6.1 - 7.8	0	0	0.0	0
	19-40	10-15	---	6.1 - 7.8	0	0	0.0	0
	40-60	3.0-10	---	6.6 - 7.8	0	0	0.0	0
1530:								
Bombadil	0-2	15-20	---	6.6 - 7.8	0	0	0.0	0
	2-10	15-30	---	6.6 - 7.8	0-1	0	0.0	0
	10-20	---	---	---	---	---	---	---
Hefed	0-2	10-20	---	6.6 - 7.8	0	0	0.0	0
	2-13	15-20	---	6.6 - 8.4	0	0	0.0-2.0	0
	13-75	3.0-10	---	6.6 - 8.4	0	0	0.0-2.0	0
Rubble Land	0-60	---	0.0	---	0	0	0.0	0
1531:								
Bombadil	0-2	15-20	---	6.6 - 7.8	0	0	0.0	0
	2-10	15-30	---	6.6 - 7.8	0-1	0	0.0	0
	10-20	---	---	---	---	---	---	---
Hefed	0-2	10-20	---	6.6 - 7.8	0	0	0.0	0
	2-13	15-20	---	6.6 - 8.4	0	0	0.0-2.0	0
	13-75	3.0-10	---	6.6 - 8.4	0	0	0.0-2.0	0
Fireball	0-3	10-15	---	7.9 - 9.0	1-5	0	0.0-2.0	1-12
	3-24	15-30	---	8.5 - 9.6	1-5	0	0.0-2.0	1-12
	24-47	10-15	---	8.5 - 9.6	6-15	0	0.0-2.0	1-12
	47-51	---	---	---	---	---	---	---
1540:								
Mcquarrie	0-3	10-20	---	6.6 - 8.4	0	0	0.0-2.0	0
	3-9	20-30	---	7.4 - 8.4	0	0	0.0-2.0	0
	9-13	15-30	---	7.4 - 8.4	0	0	0.0-2.0	0
	13-17	---	---	---	---	---	---	---
Tristan	0-7	10-20	---	6.6 - 7.8	0	0	0.0	0
	7-28	15-35	---	6.6 - 7.8	0	0	0.0	0
	28-49	15-20	---	6.6 - 7.8	0	0	0.0	0
	49-53	---	---	---	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1540:								
Arzo	0-2	20-25	---	6.6 - 8.4	0	0	0.0-2.0	0
	2-27	25-35	---	6.6 - 8.4	1-5	0	0.0-2.0	0
	27-35	15-25	---	6.6 - 8.4	15-25	0	0.0-2.0	0
	35-39	---	---	---	---	---	---	---
1541:								
Duco	0-5	10-20	---	6.1 - 7.8	0	0	0.0	0
	5-19	20-30	---	6.1 - 7.8	0	0	0.0	0
	19-23	---	---	---	---	---	---	---
Mcquarrie	0-3	10-20	---	6.6 - 8.4	0	0	0.0-2.0	0
	3-9	20-30	---	7.4 - 8.4	0	0	0.0-2.0	0
	9-13	15-30	---	7.4 - 8.4	0	0	0.0-2.0	0
	13-17	---	---	---	---	---	---	---
Tristan	0-7	10-20	---	6.6 - 7.8	0	0	0.0	0
	7-28	15-35	---	6.6 - 7.8	0	0	0.0	0
	28-49	15-20	---	6.6 - 7.8	0	0	0.0	0
	49-53	---	---	---	---	---	---	---
1550:								
Skedaddle	0-5	15-25	---	6.6 - 7.8	0	0	0.0	0
	5-9	---	---	---	---	---	---	---
Pahrangle	0-11	10-15	---	6.1 - 7.3	0	0	0.0	0
	11-26	25-30	---	6.1 - 7.3	0	0	0.0	0
	26-30	---	---	---	---	---	---	---
Lemm	0-19	5.0-20	---	6.1 - 7.8	0	0	0.0	0
	19-40	10-15	---	6.1 - 7.8	0	0	0.0	0
	40-60	3.0-10	---	6.6 - 7.8	0	0	0.0	0
1560:								
Roloc	0-9	5.0-10	---	6.1 - 7.3	0	0	0.0	0
	9-18	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	18-22	---	---	---	---	---	---	---
Graufels	0-11	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	11-25	3.0-10	---	6.1 - 7.3	0	0	0.0	0
	25-40	---	---	---	---	---	---	---
Glenbrook	0-9	1.0-5.0	---	6.1 - 7.3	0	0	0.0	0
	9-15	1.0-5.0	---	6.1 - 7.3	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
1570:								
Bluewing	0-7	2.0-8.0	---	7.4 - 9.0	0-5	0	0.0-2.0	1-5
	7-60	2.0-8.0	---	7.4 - 9.0	1-5	0	0.0-4.0	1-12

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1570:								
Biddleman	0-3	5.0-10	---	7.9 - 9.0	1-5	0	2.0-4.0	1-12
	3-8	15-25	---	7.9 - 9.0	1-5	0-1	0.0-8.0	13-30
	8-60	1.0-8.0	---	7.9 - 9.0	5-10	0-1	0.0-8.0	1-12
Bundorf	0-2	10-20	---	7.9 - 9.0	1-5	0	0.0-2.0	1-5
	2-10	30-40	---	7.9 - 9.0	1-5	0	0.0-2.0	1-12
	10-19	30-40	---	8.5 - 9.6	5-10	0-1	0.0-2.0	5-12
	19-27	---	---	---	---	---	---	---
1580:								
Frodo	0-6	30-55	---	6.1 - 7.3	0	0	0.0	0
	6-18	30-50	---	6.6 - 8.4	1-5	0	0.0-2.0	0
	18-23	---	---	---	---	---	---	---
	23-30	---	---	---	---	---	---	---
Xman	0-2	10-20	---	6.1 - 7.3	0	0	0.0	0
	2-14	30-40	---	6.1 - 7.8	0	0	0.0	0
	14-29	---	---	---	---	---	---	---
	29-33	---	---	---	---	---	---	---
Oppio	0-3	10-20	---	5.6 - 7.3	0	0	0.0	0
	3-21	30-40	---	5.6 - 7.8	0	0	0.0	0
	21-25	---	---	---	---	---	---	---
1590:								
Ruhe	0-6	1.0-5.0	---	7.9 - 9.0	1-5	0	2.0-4.0	0-5
	6-14	1.0-5.0	---	7.9 - 9.0	5-15	0	2.0-4.0	0-5
	14-35	---	---	---	---	---	---	---
	35-60	1.0-5.0	---	7.9 - 9.6	5-10	0-1	4.0-8.0	1-5
Playas	---	---	---	---	---	---	---	
1600:								
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
Ruhe	0-6	1.0-5.0	---	7.9 - 9.0	1-5	0	2.0-4.0	0-5
	6-14	1.0-5.0	---	7.9 - 9.0	5-15	0	2.0-4.0	0-5
	14-35	---	---	---	---	---	---	---
	35-60	1.0-5.0	---	7.9 - 9.6	5-10	0-1	4.0-8.0	1-5
1601:								
Olac	0-3	11-17	---	6.1 - 7.8	0	0	0.0	0
	3-13	15-20	---	6.1 - 7.8	0	0	0.0	0
	13-17	---	---	---	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1601:								
Old Camp	0-3	3.0-15	---	6.6 - 7.8	0	0	0.0-2.0	0-5
	3-13	17-23	---	6.6 - 9.0	0-5	0	0.0-2.0	0-5
	13-17	---	---	---	---	---	---	---
Ceejay	0-4	11-19	---	6.6 - 8.4	0	0	0.0-2.0	0-1
	4-16	21-28	---	6.6 - 8.4	0-1	0	0.0-4.0	0-5
	16-20	---	---	---	---	---	---	---
1602:								
Ceejay	0-4	11-19	---	6.6 - 8.4	0	0	0.0-2.0	0-1
	4-16	21-28	---	6.6 - 8.4	0-1	0	0.0-4.0	0-5
	16-20	---	---	---	---	---	---	---
Olac	0-3	7.0-16	---	6.1 - 7.8	0	0	0.0	0
	3-13	15-20	---	6.1 - 7.8	0	0	0.0	0
	13-17	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
1603:								
Arzo	0-6	20-25	---	6.6 - 8.4	0	0	0.0-2.0	0
	6-25	25-35	---	6.6 - 8.4	1-5	0	0.0-2.0	0
	25-29	---	---	---	---	---	---	---
Indiano	0-8	15-30	---	6.1 - 7.3	0	0	0.0	0
	8-21	15-30	---	6.1 - 7.3	0	0	0.0	0
	21-25	---	---	---	---	---	---	---
Barnard	0-9	5.0-15	---	6.1 - 7.3	---	0	0.0	0
	9-20	5.0-15	---	6.1 - 7.3	---	0	0.0	0
	20-27	30-35	---	6.6 - 7.8	---	0	0.0-2.0	0
	27-36	---	---	---	---	---	---	---
	36-60	5.0-10	---	6.6 - 7.8	---	0	0.0	0
Wet Areas	---	---	---	---	---	---	---	---
1604:								
Arclay	0-4	5.0-11	---	6.6 - 7.8	0	0	0.0	0
	4-16	17-25	---	6.6 - 7.8	0	0	0.0	0
	16-40	---	---	---	---	---	---	---
	40-44	---	---	---	---	---	---	---
1605:								
Grumblen	0-4	11-18	---	7.4 - 8.4	0	0	0.0	0
	4-8	21-32	---	7.4 - 8.4	0	0	0.0	0
	8-18	21-31	---	7.9 - 8.4	1-5	0	0.0-4.0	0-5
	18-22	---	---	---	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Washoe County, Nevada, South Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1605:								
Pickup	0-5	10-18	---	6.6 - 8.4	0	0	0.0	0
	5-22	25-37	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	22-32	---	---	---	---	---	---	---
1606:								
Theon	0-3	6.0-13	---	7.4 - 8.4	0-5	0	0.0-2.0	0-12
	3-9	15-22	---	7.9 - 9.0	0-5	0	0.0-2.0	1-12
	9-12	---	---	---	---	---	---	---
	12-16	---	---	---	---	---	---	---
Singatse	0-4	5.0-12	---	7.9 - 9.0	1-10	0	0.0-2.0	0-5
	4-8	4.0-12	---	7.9 - 9.0	1-10	0	0.0-2.0	0-12
	8-10	---	---	---	---	---	---	---
	10-14	---	---	---	---	---	---	---
1607:								
Cleaver	0-4	4.0-9.0	---	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	---	---	---	---	---	---	---
Bundorf	0-2	10-20	---	7.9 - 9.0	1-5	0	0.0-2.0	1-5
	2-11	30-40	---	7.9 - 9.0	1-5	0	0.0-2.0	1-12
	11-14	30-40	---	8.5 - 9.6	5-10	0-1	0.0-2.0	5-12
	14-45	---	---	---	---	---	---	---
1610:								
Water	---	---	---	---	---	---	---	---