

Table J2. - Chemical Properties of the Soils

Humboldt County, Nevada, West 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	
102:								
Cleaver	0-8	4.0-9.0	---	7.9 - 9.0	0-2	0	0.0-2.0	1-12
	8-13	18-26	---	7.9 - 8.4	0-2	0	0.0-2.0	1-12
	13-23	---	---	---	---	---	---	---
104:								
Anawalt	0-6	15-30	---	6.6 - 8.4	0	0	0.0	0
	6-15	25-50	---	6.6 - 8.4	0-5	0	0.0	0
	15-25	---	---	---	---	---	---	---
Devada	0-5	20-30	---	6.1 - 7.8	0	0	0.0	0
	5-19	32-48	---	6.1 - 7.8	0	0	0.0	0
	19-29	---	---	---	---	---	---	---
Tuffo	0-5	10-30	---	6.6 - 7.8	0	0	0.0	0
	5-8	5.0-20	---	6.6 - 7.8	0	0	0.0	0
	8-18	---	---	---	---	---	---	---
105:								
Goldrun	0-5	2.0-10	---	6.6 - 8.4	0-1	0	0.0	0
	5-60	2.0-10	---	7.9 - 9.0	0-1	0	0.0-2.0	0-5
Alvodest	0-4	20-30	---	9.1 - 11.0	5-10	0	16.0-32.0	800-999
	4-41	30-40	---	9.1 - 11.0	5-15	0	16.0-32.0	70-700
	41-60	30-35	---	9.1 - 11.0	5-10	0	16.0-32.0	70-700
Playas	---	---	---	---	---	---	---	---
Wendane	0-10	15-25	---	8.5 - 9.6	5-15	0	16.0-50.0	13-99
	10-60	25-40	---	7.9 - 9.6	5-15	0	16.0-32.0	1-5
106:								
Goldrun	0-5	2.0-10	---	6.6 - 8.4	0-1	0	0.0	0
	5-60	2.0-10	---	7.9 - 9.0	0-1	0	0.0-2.0	0-5
108:								
Anawalt	0-6	15-30	---	6.6 - 8.4	0	0	0.0	0
	6-15	25-50	---	6.6 - 8.4	0-5	0	0.0	0
	15-25	---	---	---	---	---	---	---
Orenea	0-4	7.0-20	---	6.6 - 7.3	0	0	0.0	0
	4-12	15-35	---	6.6 - 7.3	0	0	0.0	0
	12-24	5.0-12	---	7.4 - 7.8	0	0	0.0	0
	24-34	---	---	---	---	---	---	---

110:

Table J2. - Chemical Properties of the Soils - Continued

Humboldt County, Nevada, West 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	
110:								
Aycab	0-2	5.0-10	---	6.1 - 7.3	0	0	0.0	0
	2-38	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	38-42	---	---	---	---	---	---	---
Tosp	0-4	10-25	---	5.6 - 7.3	0	0	0.0	0
	4-37	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	37-50	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	50-54	---	---	---	---	---	---	---
Welch	0-9	25-30	---	6.1 - 7.3	0	0	0.0	0
	9-60	25-35	---	6.1 - 7.8	0	0	0.0	0
Welch	0-5	25-30	---	6.1 - 7.3	0	0	0.0	0
	5-60	25-35	---	6.1 - 7.8	0	0	0.0	0
111:								
Alta	0-17	7.0-16	---	6.1 - 7.3	0	0	0.0	0
	17-50	3.0-8.0	---	6.1 - 7.3	0	0	0.0	0
	50-60	---	---	---	---	---	---	---
Aycab	0-29	10-20	---	6.1 - 7.3	0	0	0.0	0
	29-38	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	38-42	---	---	---	---	---	---	---
Tosp	0-4	10-25	---	5.6 - 7.3	0	0	0.0	0
	4-37	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	37-50	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	50-54	---	---	---	---	---	---	---
Welch	0-9	25-30	---	6.1 - 7.3	0	0	0.0	0
	9-60	25-35	---	6.1 - 7.8	0	0	0.0	0
116:								
Acrelane	0-7	8.0-15	---	6.1 - 7.3	0	0	0.0	0
	7-16	15-25	---	6.6 - 7.8	0	0	0.0	0
	16-26	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
117:								
Acrelane	0-7	8.0-15	---	6.1 - 7.3	0	0	0.0	0
	7-16	15-25	---	6.6 - 7.8	0	0	0.0	0
	16-26	---	---	---	---	---	---	---
Poisoncreek	0-5	10-15	---	6.6 - 7.3	0	0	0.0	0
	5-13	35-45	---	6.6 - 7.3	0	0	0.0	0
	13-15	---	---	---	---	---	---	---
	15-25	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Humboldt County, Nevada, West 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	
117:								
120:								
Arclay	0-4	5.0-11	---	6.6 - 7.8	0	0	0.0	0
	4-18	17-25	---	6.6 - 7.8	0	0	0.0	0
	18-46	---	---	---	---	---	---	---
	46-56	---	---	---	---	---	---	---
Acrelane	0-7	8.0-15	---	6.1 - 7.3	0	0	0.0	0
	7-16	15-25	---	6.6 - 7.8	0	0	0.0	0
	16-26	---	---	---	---	---	---	---
130:								
Tenabo	0-9	5.0-10	---	7.9 - 9.0	0	0	2.0-4.0	5-12
	9-16	20-30	---	7.9 - 9.0	0-5	0	2.0-4.0	13-30
	16-32	---	---	---	---	---	---	---
	32-60	1.0-8.0	---	8.5 - 9.0	0-5	0	4.0-32.0	31-90
Gwena	0-6	5.0-20	---	7.4 - 8.4	0	0	0.0-4.0	1-12
	6-15	10-30	---	7.9 - 9.0	0-5	0	4.0-16.0	13-45
	15-31	---	---	---	---	---	---	---
	31-49	2.0-10	---	8.5 - 9.0	1-10	0	0.0-4.0	31-90
	49-60	0.0-5.0	---	8.5 - 9.0	1-10	0	0.0-4.0	31-90
Fulstone	0-3	20-25	---	6.1 - 7.3	0	0	0.0	0
	3-18	35-60	---	6.6 - 8.4	0	0	0.0-2.0	0-2
	18-29	---	---	---	---	---	---	---
140:								
Tenabo	0-9	5.0-10	---	7.9 - 9.0	0	0	2.0-4.0	5-12
	9-16	20-30	---	7.9 - 9.0	0	0	2.0-4.0	13-30
	16-32	---	---	---	---	---	---	---
	32-60	1.0-8.0	---	8.5 - 9.0	1-10	0	4.0-32.0	31-90
Oxcorel	0-5	10-20	---	7.9 - 8.4	0	0	0.0-4.0	1-12
	5-18	30-45	---	7.9 - 9.0	0-5	0	0.0-4.0	31-90
	18-60	5.0-10	---	7.9 - 9.0	1-5	0	0.0-8.0	46-90
145:								
Boulder Lake	0-9	35-65	---	6.1 - 7.8	0	0	0.0	0
	9-60	30-60	---	6.6 - 8.4	0	0	0.0-2.0	0
149:								
Boton	0-10	7.0-15	---	7.9 - 9.6	1-5	0	0.0-4.0	13-30
	10-28	11-22	---	7.9 - 9.6	5-20	0-5	8.0-16.0	46-99
	28-60	11-22	---	8.5 - 9.6	5-20	0-5	16.0-32.0	46-99
Slawha	0-13	10-20	---	8.5 - 9.6	0-1	0-1	8.0-16.0	0-12
	13-60	10-30	---	8.5 - 9.6	1-5	0-3	16.0-32.0	0-12

Table J2. - Chemical Properties of the Soils - Continued

Humboldt County, Nevada, West Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
149:								
Wendane	0-10	15-25	---	8.5 - 9.6	5-15	0	16.0-50.0	13-99
	10-60	25-40	---	7.9 - 9.6	5-15	0	16.0-32.0	1-5
150:								
Boton	0-10	7.0-15	---	7.9 - 9.6	1-5	0	0.0-4.0	13-30
	10-28	11-22	---	7.9 - 9.6	5-20	0-5	8.0-16.0	46-99
	28-60	11-22	---	8.5 - 9.6	5-20	0-5	16.0-32.0	46-99
Boton	0-10	12-21	---	7.9 - 9.0	0	0	16.0-32.0	13-30
	10-28	18-25	---	7.9 - 9.0	5-20	0	8.0-32.0	45-99
	28-60	14-25	---	8.5 - 9.0	5-20	0-1	16.0-32.0	45-99
151:								
Boton	0-10	1.0-7.0	---	7.9 - 9.0	0	0	0.0-4.0	1-12
	10-28	11-22	---	7.9 - 9.0	5-20	0-5	8.0-16.0	13-90
	28-60	11-22	---	8.5 - 9.0	5-20	0-5	8.0-32.0	31-99
Boton	0-10	7.0-15	---	7.9 - 9.6	1-5	0	0.0-4.0	13-30
	10-28	11-22	---	7.9 - 9.6	5-20	0-5	8.0-16.0	46-99
	28-60	11-22	---	8.5 - 9.6	5-20	0-5	16.0-32.0	46-99
Wendane	0-10	15-25	---	8.5 - 9.6	5-15	0	16.0-50.0	13-99
	10-60	25-40	---	7.9 - 9.6	5-15	0	16.0-32.0	1-5
155:								
Bearbutte	0-9	15-30	---	6.6 - 7.3	0	0	0.0	0
	9-24	12-25	---	6.6 - 7.3	0	0	0.0	0
	24-30	6.0-20	---	6.6 - 7.3	0	0	0.0	0
	30-53	4.0-16	---	6.6 - 7.3	0-1	0	0.0	0
	53-57	---	---	---	---	---	---	---
Badgercamp	0-6	10-20	---	6.6 - 7.3	0	0	0.0	0
	6-15	10-20	---	6.6 - 7.3	0	0	0.0	0
	15-25	---	---	---	---	---	---	---
156:								
Bearbutte	0-9	15-30	---	6.6 - 7.3	0	0	0.0	0
	9-24	12-25	---	6.6 - 7.3	0	0	0.0	0
	24-30	6.0-20	---	6.6 - 7.3	0	0	0.0	0
	30-53	4.0-16	---	6.6 - 7.3	0-1	0	0.0	0
	53-57	---	---	---	---	---	---	---
Ninemile	0-3	20-28	---	6.1 - 7.3	0	0	0.0	0
	3-14	38-54	---	6.1 - 7.8	0	0	0.0	0
	14-24	---	---	---	---	---	---	---

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Table J2. - Chemical Properties of the Soils - Continued

Humboldt County, Nevada, West 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	
158:								
Blackhawk	0-3	10-17	---	7.4 - 9.0	0	0	0.0-2.0	1-12
	3-18	10-20	---	7.4 - 9.0	0	0	0.0-2.0	5-12
	18-34	---	---	---	---	---	---	---
	34-60	5.0-16	---	7.9 - 9.0	0-10	1-5	8.0-32.0	13-45
Trocken	0-4	3.0-12	---	6.6 - 9.6	0-1	0	0.0-2.0	5-12
	4-60	5.0-12	---	6.6 - 9.6	0-5	0	2.0-4.0	13-45
160:								
Bluewing	0-6	4.0-7.0	---	7.9 - 9.0	1-5	0	0.0-2.0	1-12
	6-60	1.0-5.0	---	7.9 - 9.0	5-15	0-1	0.0-4.0	1-12
161:								
Bluewing	0-6	4.0-9.0	---	7.9 - 9.0	0-5	0	0.0-2.0	1-12
	6-60	1.0-5.0	---	7.9 - 9.0	5-15	0-1	0.0-4.0	1-12
Trocken	0-4	10-20	---	7.4 - 9.6	0-5	0	0.0-2.0	1-12
	4-60	10-20	---	7.4 - 9.6	1-5	0-1	2.0-4.0	13-45
163:								
Dune Land	0-6	25-50	---	8.5 - 9.6	0-10	0-5	16.0-32.0	46-80
	6-60	25-50	---	8.5 - 9.6	0-10	0-10	16.0-32.0	46-80
164:								
Soughe	0-4	10-25	---	6.6 - 8.4	0	0	0.0	0-5
	4-14	20-30	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	14-18	---	---	---	---	---	---	---
Bucklake	0-6	10-20	---	6.1 - 7.3	0	0	0.0	0
	6-10	20-30	---	6.6 - 7.8	0	0	0.0	0
	10-21	25-40	---	6.6 - 7.8	0	0	0.0	0
	21-31	---	---	---	---	---	---	---
168:								
Boton	0-10	7.0-15	---	7.9 - 9.6	1-5	0	0.0-4.0	13-30
	10-28	11-22	---	7.9 - 9.6	5-20	0-5	8.0-16.0	46-99
	28-60	11-22	---	8.5 - 9.6	5-20	0-5	16.0-32.0	46-99
Playas	0-6	35-65	---	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
173:								
Deppy	0-3	5.0-15	---	7.9 - 8.4	0	0	2.0-4.0	1-12
	3-9	20-35	---	7.9 - 8.4	0	0	2.0-4.0	5-12
	9-21	---	---	---	---	---	---	---
	21-60	2.0-8.0	---	8.5 - 9.0	0	0	4.0-32.0	31-90

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Table J2. - Chemical Properties of the Soils - Continued

Humboldt County, Nevada, West 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	
175:								
Wendane	0-10	15-25	---	8.5 - 9.6	5-15	0	16.0-32.0	46-99
	10-60	25-40	---	7.9 - 9.6	5-15	0	16.0-32.0	1-5
Playas	---	---	---	---	---	---	---	---
176:								
Bullump	0-15	15-30	---	6.1 - 7.8	0	0	0.0	0
	15-57	10-25	---	6.1 - 7.8	0	0	0.0	0
	57-67	---	---	---	---	---	---	---
Westbutte	0-6	15-30	---	6.6 - 7.3	0	0	0.0	0
	6-15	10-20	---	6.6 - 7.3	0	0	0.0	0
	15-28	10-25	---	6.6 - 7.8	0	0	0.0	0
	28-38	---	---	---	---	---	---	---
Harcany	0-3	15-25	---	6.6 - 7.3	0	0	0.0	0
	3-14	10-20	---	6.6 - 7.3	0	0	0.0	0
	14-60	10-20	---	6.6 - 7.3	0	0	0.0	0
177:								
Bullump	0-15	15-30	---	6.1 - 7.8	0	0	0.0	0
	15-57	10-25	---	6.1 - 7.8	0	0	0.0	0
	57-67	---	---	---	---	---	---	---
Sumine	0-5	10-20	---	6.6 - 7.8	0	0	0.0	0
	5-30	15-30	---	6.6 - 7.8	0	0	0.0	0
	30-40	---	---	---	---	---	---	---
Cleavage	0-7	20-30	---	6.6 - 7.8	0	0	0.0	0
	7-15	20-40	---	6.6 - 7.8	0	0	0.0	0
	15-25	---	---	---	---	---	---	---
Welch	0-9	25-30	---	6.1 - 7.3	0	0	0.0	0
	9-60	25-35	---	6.1 - 7.8	0	0	0.0	0
180:								
Devada	0-5	20-30	---	6.1 - 7.8	0	0	0.0	0
	5-19	32-48	---	6.1 - 7.8	0	0	0.0	0
	19-29	---	---	---	---	---	---	---
Bucklake	0-6	10-20	---	6.1 - 7.3	0	0	0.0	0
	6-10	20-30	---	6.6 - 7.8	0	0	0.0	0
	10-21	25-40	---	6.6 - 7.8	0	0	0.0	0
	21-31	---	---	---	---	---	---	---
181:								

Table J2. - Chemical Properties of the Soils - Continued

Humboldt County, Nevada, West 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	
181:								
Westbutte	0-6	15-30	---	6.6 - 7.3	0	0	0.0	0
	6-15	10-20	---	6.6 - 7.3	0	0	0.0	0
	15-28	10-25	---	6.6 - 7.8	0	0	0.0	0
	28-38	---	---	---	---	---	---	---
182:								
Devada	0-5	20-30	---	6.1 - 7.8	0	0	0.0	0
	5-19	32-48	---	6.1 - 7.8	0	0	0.0	0
	19-29	---	---	---	---	---	---	---
Ninemile	0-3	15-25	---	6.1 - 7.8	0	0	0.0	0
	3-14	45-75	---	6.1 - 8.4	0	0	0.0	0
	14-24	---	---	---	---	---	---	---
Tuffo	0-5	10-30	---	6.6 - 7.8	0	0	0.0	0
	5-8	5.0-20	---	6.6 - 7.8	0	0	0.0	0
	8-18	---	---	---	---	---	---	---
185:								
Puett	0-3	5.0-10	---	7.9 - 9.0	1-5	0	0.0-2.0	0-5
	3-15	5.0-10	---	7.9 - 9.0	1-5	0	0.0-2.0	5-12
	15-25	---	---	---	---	---	---	---
Soughe	0-4	10-25	---	6.6 - 8.4	0	0	0.0	0-5
	4-14	20-30	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	14-24	---	---	---	---	---	---	---
188:								
Cleavage	0-7	20-30	---	6.6 - 7.8	0	0	0.0	0
	7-15	20-40	---	6.6 - 7.8	0	0	0.0	0
	15-25	---	---	---	---	---	---	---
Softscrabble	0-12	10-25	---	6.1 - 7.3	0	0	0.0	0
	12-36	15-30	---	6.1 - 7.3	0	0	0.0	0
	36-61	15-30	---	6.1 - 7.3	0	0	0.0	0
	61-71	---	---	---	---	---	---	---
Hackwood	0-18	12-35	---	6.1 - 7.3	0	0	0.0	0
	18-30	12-30	---	6.1 - 7.3	0	0	0.0	0
	30-60	20-35	---	6.1 - 7.3	0	0	0.0	0
Welch	0-9	25-30	---	6.1 - 7.3	0	0	0.0	0
	9-60	25-35	---	6.1 - 7.8	0	0	0.0	0
189:								
Cleavage	0-7	20-30	---	6.6 - 7.8	0	0	0.0	0
	7-15	20-40	---	6.6 - 7.8	0	0	0.0	0
	15-25	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Humboldt County, Nevada, West 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	
189:								
Softscrabble	0-12	10-25	---	6.1 - 7.3	0	0	0.0	0
	12-36	15-30	---	6.1 - 7.3	0	0	0.0	0
	36-61	15-30	---	6.1 - 7.3	0	0	0.0	0
	61-71	---	---	---	---	---	---	---
Sumine	0-5	10-20	---	6.6 - 7.8	0	0	0.0	0
	5-30	15-30	---	6.6 - 7.8	0	0	0.0	0
	30-40	---	---	---	---	---	---	---
190:								
Cleavage	0-7	20-30	---	6.6 - 7.8	0	0	0.0	0
	7-15	20-40	---	6.6 - 7.8	0	0	0.0	0
	15-25	---	---	---	---	---	---	---
Westbutte	0-6	15-30	---	6.6 - 7.3	0	0	0.0	0
	6-15	10-20	---	6.6 - 7.3	0	0	0.0	0
	15-28	10-25	---	6.6 - 7.8	0	0	0.0	0
	28-38	---	---	---	---	---	---	---
Softscrabble	0-12	10-25	---	6.1 - 7.3	0	0	0.0	0
	12-36	15-30	---	6.1 - 7.3	0	0	0.0	0
	36-61	15-30	---	6.1 - 7.3	0	0	0.0	0
	61-71	---	---	---	---	---	---	---
Welch	0-9	25-30	---	6.1 - 7.3	0	0	0.0	0
	9-60	25-35	---	6.1 - 7.8	0	0	0.0	0
202:								
Cresal	0-5	20-25	---	7.9 - 9.0	1-5	0	0.0-4.0	1-12
	5-23	20-30	---	7.9 - 9.0	3-15	0-1	4.0-16.0	13-30
	23-60	18-35	---	7.9 - 9.0	3-20	0-5	8.0-32.0	13-80
218:								
Davey	0-4	5.0-15	---	6.6 - 7.8	0	0	0.0	0
	4-16	10-25	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	16-60	2.0-10	---	7.9 - 9.0	0-10	0-1	0.0-2.0	0-5
231:								
Devada	0-5	20-30	---	6.1 - 7.8	0	0	0.0	0
	5-19	32-48	---	6.1 - 7.8	0	0	0.0	0
	19-29	---	---	---	---	---	---	---
Ninemile	0-3	20-28	---	6.1 - 7.3	0	0	0.0	0
	3-14	38-54	---	6.1 - 7.8	0	0	0.0	0
	14-24	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Humboldt County, Nevada, West 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	
231:								
Softscrabble	0-20	10-20	---	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	---	---	---	---	---	---	---
232:								
Devada	0-5	20-30	---	6.1 - 7.8	0	0	0.0	0
	5-19	32-48	---	6.1 - 7.8	0	0	0.0	0
	19-29	---	---	---	---	---	---	---
240:								
Deppy	0-3	5.0-15	---	7.9 - 8.4	0	0	2.0-4.0	1-12
	3-9	20-35	---	7.9 - 8.4	0	0	2.0-4.0	5-12
	9-21	---	---	---	---	---	---	---
	21-60	2.0-8.0	---	8.5 - 9.0	0	0	4.0-32.0	31-90
Tumtum	0-2	15-25	---	7.9 - 8.4	0	0	0.0	0
	2-10	28-35	---	7.9 - 8.4	0	0	0.0	0
	10-18	---	---	---	---	---	---	---
	18-60	3.0-12	---	7.9 - 8.4	0	0	0.0	0
252:								
Dun Glen	0-5	15-25	---	7.4 - 8.4	0	0	2.0-4.0	1-12
	5-11	15-25	---	7.4 - 8.4	0	0	2.0-4.0	1-12
	11-60	5.0-15	---	7.9 - 9.6	1-10	0-1	2.0-4.0	13-45
276:								
Orovada	0-6	10-15	---	6.6 - 8.4	0	0	0.0	0-5
	6-17	10-20	---	7.4 - 8.4	0-5	0	0.0-4.0	0-5
	17-60	10-20	---	7.9 - 9.6	1-15	0	4.0-16.0	1-12
296:								
Longcreek	0-2	15-20	---	6.6 - 7.3	0	0	0.0	0
	2-9	35-45	---	6.6 - 7.8	0	0	0.0	0
	9-14	25-35	---	6.6 - 7.8	0	0	0.0	0
	14-24	---	---	---	---	---	---	---
Cleavage	0-7	20-30	---	6.6 - 7.8	0	0	0.0	0
	7-15	20-40	---	6.6 - 7.8	0	0	0.0	0
	15-25	---	---	---	---	---	---	---
335:								
Ola	0-3	8.0-10	---	6.1 - 7.3	0	0	0.0	0
	3-19	8.0-10	---	6.1 - 7.3	0	0	0.0	0
	19-38	4.0-6.0	---	6.1 - 7.3	0	0	0.0	0
	38-39	---	---	---	---	---	---	---
	39-49	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Humboldt County, Nevada, West 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	
335:								
Poisoncreek	0-5	10-15	---	6.6 - 7.3	0	0	0.0	0
	5-13	35-45	---	6.6 - 7.3	0	0	0.0	0
	13-15	---	---	---	---	---	---	---
	15-25	---	---	---	---	---	---	---
Welch	0-9	25-30	---	6.1 - 7.3	0	0	0.0	0
	9-60	25-35	---	6.1 - 7.8	0	0	0.0	0
338:								
Ola	0-3	8.0-10	---	6.1 - 7.3	0	0	0.0	0
	3-19	8.0-10	---	6.1 - 7.3	0	0	0.0	0
	19-38	4.0-6.0	---	6.1 - 7.3	0	0	0.0	0
	38-39	---	---	---	---	---	---	---
	39-49	---	---	---	---	---	---	---
Poisoncreek	0-5	10-15	---	6.6 - 7.3	0	0	0.0	0
	5-13	35-45	---	6.6 - 7.3	0	0	0.0	0
	13-15	---	---	---	---	---	---	---
	15-25	---	---	---	---	---	---	---
Tosp	0-4	10-25	---	5.6 - 7.3	0	0	0.0	0
	4-37	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	37-50	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	50-54	---	---	---	---	---	---	---
Welch	0-9	25-30	---	6.1 - 7.3	0	0	0.0	0
	9-60	25-35	---	6.1 - 7.8	0	0	0.0	0
340:								
Ola	0-3	8.0-10	---	6.1 - 7.3	0	0	0.0	0
	3-19	8.0-10	---	6.1 - 7.3	0	0	0.0	0
	19-38	4.0-6.0	---	6.1 - 7.3	0	0	0.0	0
	38-39	---	---	---	---	---	---	---
	39-49	---	---	---	---	---	---	---
Aycab	0-2	5.0-10	---	6.1 - 7.3	0	0	0.0	0
	2-38	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	38-42	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
345:								
Genegraf	0-6	5.0-12	---	7.9 - 9.6	0-1	0	0.0-4.0	1-12
	6-14	15-30	---	8.5 - 9.6	1-5	0	8.0-16.0	31-90
	14-23	5.0-13	---	8.5 - 9.6	1-5	0	8.0-16.0	31-90
	23-60	2.0-8.0	---	7.9 - 9.6	1-10	0	4.0-8.0	31-45

Table J2. - Chemical Properties of the Soils - Continued

Humboldt County, Nevada, West 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	
345:								
Toulon	0-6	5.0-10	---	7.9 - 9.0	0-5	0-2	2.0-4.0	0-12
	6-14	5.0-10	---	7.9 - 9.0	1-5	0-2	2.0-4.0	0-12
	14-60	0.0-3.0	---	7.9 - 9.0	1-5	0-2	2.0-4.0	0-12
350:								
Fulstone	0-3	20-25	---	6.1 - 7.3	0	0	0.0	0
	3-18	35-60	---	6.6 - 8.4	0	0	0.0-2.0	0-2
	18-29	---	---	---	---	---	---	---
357:								
Granshaw	0-7	0.0-5.0	---	7.9 - 9.0	0	0	0.0-2.0	0
	7-25	5.0-15	---	7.9 - 9.0	1-5	0	0.0-2.0	0
	25-60	0.0-5.0	---	7.9 - 9.6	5-15	0	0.0-2.0	0
Shawave	0-5	6.0-12	---	7.4 - 8.4	0	0	0.0-2.0	0-13
	5-16	16-24	---	7.4 - 8.4	0	0	0.0-2.0	0-13
	16-46	2.0-10	---	7.4 - 8.4	0-4	0	0.0-2.0	5-13
	46-60	2.0-4.0	---	7.4 - 8.4	0-4	0	0.0-2.0	5-13
360:								
Grumblen	0-3	11-18	---	7.4 - 8.4	0	0	0.0	0
	3-9	21-32	---	7.4 - 8.4	0	0	0.0	0
	9-18	21-31	---	7.9 - 8.4	1-5	0	0.0-4.0	0-5
	18-28	---	---	---	---	---	---	---
Pickup	0-5	15-25	---	6.6 - 8.4	0	0	0.0	0
	5-22	25-45	---	6.6 - 8.4	0	0	0.0-2.0	0
	22-32	---	---	---	---	---	---	---
374:								
Hoot	0-5	10-15	---	7.4 - 9.0	0	0	0.0-2.0	1-12
	5-15	15-30	---	7.4 - 9.0	0-5	0	0.0-4.0	5-12
	15-25	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
378:								
Hawsley	0-2	1.0-5.0	---	6.6 - 8.4	0	0	0.0	0
	2-42	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
381:								
Hart Camp	0-7	10-25	---	6.1 - 7.3	0	0	0.0	0
	7-19	15-25	---	6.1 - 7.3	0	0	0.0	0
	19-29	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Humboldt County, Nevada, West 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	
381:								
Devada	0-5	20-30	---	6.1 - 7.8	0	0	0.0	0
	5-19	32-48	---	6.1 - 7.8	0	0	0.0	0
	19-29	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
382:								
Hart Camp	0-7	10-25	---	6.1 - 7.3	0	0	0.0	0
	7-19	15-25	---	6.1 - 7.3	0	0	0.0	0
	19-23	---	---	---	---	---	---	---
Badgercamp	0-6	10-20	---	6.6 - 7.3	0	0	0.0	0
	6-15	10-20	---	6.6 - 7.3	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
388:								
Humboldt	0-13	20-45	---	7.9 - 8.4	0-3	0	0.0-4.0	1-12
	13-60	20-35	---	7.9 - 8.4	1-5	0	0.0-4.0	1-12
Wendane	0-10	15-25	---	8.5 - 9.6	5-15	0	16.0-50.0	13-99
	10-60	25-40	---	7.9 - 9.6	5-15	0	16.0-32.0	1-5
402:								
Tumtum	0-2	15-25	---	7.9 - 8.4	0	0	0.0	0
	2-10	28-35	---	7.9 - 8.4	0	0	0.0	0
	10-18	---	---	---	---	---	---	---
	18-60	3.0-12	---	7.9 - 8.4	0	0	0.0	0
410:								
Shawave	0-5	6.0-12	---	7.4 - 8.4	0	0	0.0-2.0	0-12
	5-16	16-24	---	7.4 - 8.4	0	0	0.0-2.0	0-12
	16-46	2.0-10	---	7.4 - 8.4	0-4	0	0.0-2.0	5-12
	46-60	2.0-4.0	---	7.4 - 8.4	0-4	0	0.0-2.0	5-12
Deadyon	0-5	5.0-15	---	6.6 - 8.4	0	0	0.0	0
	5-15	10-15	---	7.4 - 8.4	0	0	0.0	0-5
	15-33	2.0-7.0	---	7.4 - 8.4	0	0	0.0	0-12
	33-60	2.0-5.0	---	7.9 - 9.0	0	0	0.0-2.0	1-12
Shawave	0-5	6.0-12	---	7.4 - 8.4	0	0	0.0-2.0	0-12
	5-16	16-24	---	7.4 - 8.4	0	0	0.0-2.0	0-12
	16-46	2.0-10	---	7.4 - 8.4	0-4	0	0.0-2.0	5-12
	46-60	2.0-4.0	---	7.4 - 8.4	0-4	0	0.0-2.0	5-12

411:

Table J2. - Chemical Properties of the Soils - Continued

Humboldt County, Nevada, West Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
411:								
Shawave	0-5	6.0-12	---	7.4 - 8.4	0	0	0.0-2.0	0-12
	5-16	16-24	---	7.4 - 8.4	0	0	0.0-2.0	0-12
	16-46	2.0-10	---	7.4 - 8.4	0-4	0	0.0-2.0	5-12
	46-60	2.0-4.0	---	7.4 - 8.4	0-4	0	0.0-2.0	5-12
Orovada	0-6	10-15	---	6.6 - 8.4	0	0	0.0	0-5
	6-17	10-20	---	7.4 - 8.4	0-5	0	0.0-4.0	0-5
	17-60	10-20	---	7.9 - 9.6	1-15	0	4.0-16.0	1-12
413:								
Isolde	0-3	1.0-5.0	---	6.6 - 8.4	0-1	0	0.0	0-5
	3-60	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	25-50	---	8.5 - 9.6	0-10	0-5	16.0-32.0	46-80
	6-60	25-50	---	8.5 - 9.6	0-10	0-10	16.0-32.0	46-80
Playas	---	---	---	---	---	---	---	---
414:								
Isolde	0-3	1.0-5.0	---	6.6 - 8.4	0-1	0	0.0	0-5
	3-60	1.0-5.0	---	6.6 - 8.4	0-3	0-1	0.0-2.0	0-5
Jerval	0-4	8.0-20	---	7.9 - 8.4	0-2	0	2.0-4.0	1-12
	4-12	20-30	---	7.9 - 9.0	1-5	0-3	8.0-16.0	13-30
	12-60	2.0-10	---	7.9 - 9.0	1-10	1-5	8.0-16.0	13-30
Mazuma	0-5	6.0-10	---	7.9 - 9.6	1-5	0	0.0-4.0	1-5
	5-60	3.0-9.0	---	7.9 - 9.6	1-10	0	4.0-16.0	13-45
420:								
Jesse Camp	0-4	10-25	---	7.9 - 8.4	0-2	0	0.0-2.0	0-12
	4-12	15-30	---	7.9 - 8.4	0-2	0	0.0-2.0	0-12
	12-60	15-25	---	7.9 - 9.0	2-5	0-1	2.0-8.0	1-12
430:								
Woofus	0-6	15-24	---	7.9 - 8.4	1-10	0	0.0-2.0	0
	6-20	12-22	---	7.4 - 8.4	1-10	0	0.0-2.0	0
	20-40	0.0-5.0	---	7.4 - 8.4	1-10	0	0.0-2.0	0
	40-60	0.0-6.0	---	7.4 - 8.4	0-5	0	0.0-2.0	0
Woofus	0-6	20-35	---	7.9 - 8.4	1-5	0	0.0-2.0	0
	6-20	12-22	---	7.4 - 8.4	1-10	0	0.0-2.0	0
	20-40	0.0-5.0	---	7.4 - 8.4	1-10	0	0.0-2.0	0
	40-60	0.0-6.0	---	7.4 - 8.4	0-5	0	0.0-2.0	0

Table J2. - Chemical Properties of the Soils - Continued

Humboldt County, Nevada, West 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	
431:								
Welch	0-9	25-30	---	6.1 - 7.3	0	0	0.0	0
	9-60	25-35	---	6.1 - 7.8	0	0	0.0	0
Woofus	0-6	20-35	---	7.9 - 8.4	1-5	0	0.0-2.0	0
	6-20	12-22	---	7.4 - 8.4	1-10	0	0.0-2.0	0
	20-40	0.0-5.0	---	7.4 - 8.4	1-10	0	0.0-2.0	0
	40-60	0.0-6.0	---	7.4 - 8.4	0-5	0	0.0-2.0	0
432:								
Isolde	0-3	1.0-5.0	---	6.6 - 8.4	0-1	0	0.0	0-5
	3-60	1.0-5.0	---	6.6 - 8.4	0-3	0-1	0.0-2.0	0-5
Ragtown	0-7	10-25	---	7.9 - 9.6	1-5	0	16.0-32.0	1-5
	7-17	20-30	---	7.9 - 9.6	1-5	0-1	16.0-32.0	1-12
	17-60	20-35	---	7.9 - 9.6	1-5	0-5	4.0-16.0	1-12
Playas	---	---	---	---	---	---	---	---
433:								
Wetvit	0-16	40-50	---	6.1 - 7.8	0	0	0.0	0
	16-41	35-45	---	6.1 - 7.8	0	0	0.0	0
	41-60	35-45	---	6.6 - 7.8	0	0	0.0	0
Wetvit	0-16	40-50	---	6.1 - 7.8	0-1	0	0.0	0
	16-41	35-45	---	6.1 - 7.8	0	0	0.0	0
	41-60	35-45	---	6.6 - 7.8	0	0	0.0	0
442:								
Fax	0-4	15-30	---	7.4 - 8.4	0	0	0.0	0
	4-12	15-35	---	7.4 - 8.4	0	0	0.0	0
	12-22	10-25	---	7.9 - 8.4	1-10	0	0.0-2.0	0
	22-48	---	---	---	---	---	---	---
Rodock	0-2	15-25	---	6.6 - 7.8	0	0	0.0-4.0	0-2
	2-20	15-35	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	20-29	5.0-15	---	7.4 - 9.0	0-3	0	0.0-4.0	0-5
	29-60	2.0-5.0	---	7.4 - 9.0	0-3	0	0.0-8.0	1-12
Holbrook	0-6	0.0	---	6.1 - 7.3	0	0	0.0-2.0	0
	6-61	0.0	---	6.1 - 8.4	0-5	0	0.0-2.0	0
452:								
Rocconda	0-3	10-20	---	7.4 - 8.4	0	0	0.0	0-5
	3-8	20-40	---	7.4 - 8.4	0	0	0.0	0-5
	8-18	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Humboldt County, Nevada, West 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	
452:								
Coppereid	0-2	10-20	---	7.9 - 9.0	5-15	0	0.0-2.0	0
	2-9	10-20	---	7.9 - 9.0	5-15	0	0.0-2.0	0
	9-13	---	---	---	---	---	---	---
Soughe	0-4	10-25	---	6.6 - 8.4	0	0	0.0	0-5
	4-14	20-30	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	14-18	---	---	---	---	---	---	---
463:								
Jerval	0-4	8.0-20	---	7.9 - 8.4	0-2	0	2.0-4.0	1-12
	4-20	20-30	---	7.9 - 9.0	1-5	0-3	8.0-16.0	13-30
	20-60	2.0-10	---	7.9 - 9.0	1-10	1-5	8.0-16.0	13-30
Dorper	0-2	5.0-15	---	7.9 - 9.0	0-1	0	0.0-2.0	1-12
	2-7	5.0-15	---	7.9 - 9.0	0-5	0	2.0-4.0	1-12
	7-17	25-35	---	7.9 - 9.0	0-5	0-1	2.0-8.0	13-45
	17-60	5.0-15	---	7.9 - 9.0	1-10	0-5	16.0-32.0	31-90
464:								
Jerval	0-4	10-25	---	7.9 - 8.4	0-2	0	2.0-4.0	1-12
	4-20	20-30	---	7.9 - 9.0	1-5	0-3	8.0-16.0	13-30
	20-60	2.0-10	---	7.9 - 9.0	1-10	1-5	8.0-16.0	13-30
Dorper	0-2	5.0-15	---	7.9 - 9.0	0-1	0	0.0-2.0	1-12
	2-7	5.0-15	---	7.9 - 9.0	0-5	0	2.0-4.0	1-12
	7-17	25-35	---	7.9 - 9.0	0-5	0-1	2.0-8.0	13-45
	17-60	5.0-15	---	7.9 - 9.0	1-10	0-5	16.0-32.0	31-90
467:								
Ninemile	0-3	20-28	---	6.1 - 7.3	0	0	0.0	0
	3-14	38-54	---	6.1 - 7.8	0	0	0.0	0
	14-24	---	---	---	---	---	---	---
Softscrabble	0-12	10-25	---	6.1 - 7.3	0	0	0.0	0
	12-36	15-30	---	6.1 - 7.3	0	0	0.0	0
	36-61	15-30	---	6.1 - 7.3	0	0	0.0	0
	61-71	---	---	---	---	---	---	---
Sumine	0-5	10-20	---	6.6 - 7.8	0	0	0.0	0
	5-30	15-30	---	6.6 - 7.8	0	0	0.0	0
	30-40	---	---	---	---	---	---	---
Welch	0-9	25-30	---	6.1 - 7.3	0	0	0.0	0
	9-60	25-35	---	6.1 - 7.8	0	0	0.0	0

468:

Table J2. - Chemical Properties of the Soils - Continued

Humboldt County, Nevada, West 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	
468:								
Bucklake	0-6	10-20	---	6.1 - 7.3	0	0	0.0	0
	6-10	20-30	---	6.6 - 7.8	0	0	0.0	0
	10-21	25-40	---	6.6 - 7.8	0	0	0.0	0
	21-31	---	---	---	---	---	---	---
Ninemile	0-3	15-25	---	6.1 - 7.8	0	0	0.0	0
	3-14	45-75	---	6.1 - 8.4	0	0	0.0	0
	14-24	---	---	---	---	---	---	---
Frentera	0-14	25-40	---	6.6 - 7.3	0	0	0.0	0
	14-35	15-40	---	6.6 - 8.4	0	0	0.0	0
	35-61	---	---	---	---	---	---	---
470:								
Frentera	0-3	25-40	---	6.6 - 7.3	0	0	0.0	0
	3-33	15-40	---	6.6 - 8.4	0	0	0.0	0
	33-43	---	---	---	---	---	---	---
Wylo	0-4	15-30	---	6.6 - 7.8	0	0	0.0-2.0	0
	4-15	25-45	---	6.6 - 7.8	0	0	0.0-2.0	0
	15-25	---	---	---	---	---	---	---
Tuffo	0-5	10-30	---	6.6 - 7.8	0	0	0.0	0
	5-8	5.0-20	---	6.6 - 7.8	0	0	0.0	0
	8-18	---	---	---	---	---	---	---
475:								
Juva	0-6	7.0-16	---	7.9 - 9.0	0-5	0	0.0-2.0	1-12
	6-60	4.0-11	---	7.9 - 9.0	1-10	0	0.0-4.0	13-30
480:								
Tuffo	0-5	10-30	---	6.6 - 7.8	0	0	0.0	0
	5-8	5.0-20	---	6.6 - 7.8	0	0	0.0	0
	8-18	---	---	---	---	---	---	---
Wylo	0-4	15-30	---	6.6 - 7.8	0	0	0.0-2.0	0
	4-15	25-45	---	6.6 - 7.8	0	0	0.0-2.0	0
	15-25	---	---	---	---	---	---	---
Frentera	0-14	25-40	---	6.6 - 7.3	0	0	0.0	0
	14-35	15-40	---	6.6 - 8.4	0	0	0.0	0
	35-61	---	---	---	---	---	---	---
531:								
Longcreek	0-2	15-20	---	6.6 - 7.3	0	0	0.0	0
	2-9	35-45	---	6.6 - 7.8	0	0	0.0	0
	9-14	25-35	---	6.6 - 7.8	0	0	0.0	0
	14-24	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Humboldt County, Nevada, West 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	
531:								
Rock Outcrop	---	---	---	---	---	---	---	---
535:								
Locane	0-3	10-25	---	6.1 - 7.3	0	0	0.0	0
	3-14	20-40	---	6.1 - 7.3	0	0	0.0	0
	14-24	---	---	---	---	---	---	---
550:								
Welch	0-9	25-30	---	6.1 - 7.3	0	0	0.0	0
	9-60	25-35	---	6.1 - 7.8	0	0	0.0	0
Welch	0-5	25-30	---	6.1 - 7.3	0	0	0.0	0
	5-60	25-35	---	6.1 - 7.8	0	0	0.0	0
563:								
Sondoa	0-5	20-35	---	8.5 - 9.6	5-15	0	16.0-32.0	46-90
	5-60	25-40	---	8.5 - 9.6	5-15	0-1	4.0-16.0	91-130
Isolde	0-3	1.0-5.0	---	6.6 - 8.4	0-1	0	0.0	0-5
	3-60	1.0-5.0	---	6.6 - 8.4	0-3	0-1	0.0-2.0	0-5
Playas	---	---	---	---	---	---	---	---
574:								
Mazuma	0-5	3.0-9.0	---	8.5 - 9.6	1-5	0	16.0-32.0	13-45
	5-27	3.0-9.0	---	8.5 - 9.6	5-10	0-1	8.0-32.0	13-30
	27-60	3.0-9.0	---	7.9 - 9.6	5-10	0-1	2.0-32.0	13-30
575:								
Mazuma	0-5	2.0-7.0	---	7.9 - 9.6	1-5	0	0.0-4.0	1-5
	5-60	3.0-9.0	---	7.9 - 9.6	1-10	0	4.0-16.0	13-45
Mazuma	0-5	3.0-9.0	---	8.5 - 9.6	1-5	0	16.0-32.0	13-45
	5-27	3.0-9.0	---	8.5 - 9.6	5-10	0-1	8.0-32.0	13-30
	27-60	3.0-9.0	---	7.9 - 9.6	5-10	0-1	2.0-32.0	13-30
Playas	---	---	---	---	---	---	---	---
576:								
Mazuma	0-5	6.0-10	---	7.9 - 9.6	1-5	0	0.0-4.0	1-5
	5-60	3.0-9.0	---	7.9 - 9.6	1-10	0	4.0-16.0	13-45
577:								
Mazuma	0-5	3.0-9.0	---	8.5 - 9.6	1-5	0	16.0-32.0	13-45
	5-27	3.0-9.0	---	8.5 - 9.6	5-10	0-1	8.0-32.0	13-30
	27-60	3.0-9.0	---	7.9 - 9.6	5-10	0-1	2.0-32.0	13-30

Table J2. - Chemical Properties of the Soils - Continued

Humboldt County, Nevada, West 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	
577:								
Isolde	0-3	1.0-5.0	---	6.6 - 8.4	0-1	0	0.0	0-5
	3-60	1.0-5.0	---	6.6 - 8.4	0-3	0-1	0.0-2.0	0-5
Typic Torriorthents	0-5	5.0-14	---	7.9 - 9.0	1-5	0	0.0-4.0	10-30
	5-60	---	---	---	---	---	---	---
Wendane	0-10	15-25	---	8.5 - 9.6	5-15	0	16.0-50.0	13-99
	10-60	25-40	---	7.9 - 9.6	5-15	0	16.0-32.0	1-5
578:								
Mazuma	0-5	3.0-9.0	---	8.5 - 9.6	1-5	0	16.0-32.0	13-45
	5-27	3.0-9.0	---	8.5 - 9.6	5-10	0-1	8.0-32.0	13-30
	27-60	3.0-9.0	---	7.9 - 9.6	5-10	0-1	2.0-32.0	13-30
Toulon	0-6	5.0-10	---	7.9 - 9.0	0-5	0-2	2.0-4.0	0-12
	6-14	5.0-10	---	7.9 - 9.0	1-5	0-2	2.0-4.0	0-12
	14-60	0.0-3.0	---	7.9 - 9.0	1-5	0-2	2.0-4.0	0-12
Isolde	0-3	1.0-5.0	---	6.6 - 8.4	0-1	0	0.0	0-5
	3-60	1.0-5.0	---	6.6 - 8.4	0-3	0-1	0.0-2.0	0-5
Playas	---	---	---	---	---	---	---	---
580:								
Mcconnel	0-5	5.0-15	---	6.6 - 7.8	0	0	0.0-2.0	0
	5-15	5.0-15	---	6.6 - 7.8	0	0	0.0-2.0	0
	15-60	1.0-5.0	---	7.9 - 9.6	0-3	0	2.0-16.0	1-12
581:								
Mcconnel	0-5	5.0-10	---	7.4 - 7.8	0	0	0.0-2.0	0-5
	5-15	5.0-15	---	7.4 - 7.8	0	0	0.0-2.0	0-5
	15-60	1.0-5.0	---	7.9 - 9.0	0	0	0.0-2.0	1-12
620:								
Croesus	0-10	5.0-20	---	6.1 - 7.3	0	0	0.0	0
	10-22	5.0-20	---	6.1 - 7.3	0	0	0.0	0
	22-29	5.0-20	---	7.4 - 8.4	0	0	0.0-2.0	0
	29-39	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
630:								
Ninemile	0-3	20-28	---	6.1 - 7.3	0	0	0.0	0
	3-14	38-54	---	6.1 - 7.8	0	0	0.0	0
	14-24	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Humboldt County, Nevada, West 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	
647:								
Wendane	0-10	15-25	---	8.5 - 9.6	5-15	0	16.0-50.0	13-99
	10-60	25-40	---	7.9 - 9.6	5-15	0	16.0-32.0	1-5
Humboldt	0-13	20-45	---	7.9 - 8.4	1-5	0	0.0-4.0	1-12
	13-60	20-35	---	7.9 - 8.4	1-5	0	0.0-4.0	1-12
648:								
Wendane	0-10	15-25	---	8.5 - 9.6	5-15	0	16.0-50.0	13-99
	10-60	25-40	---	7.9 - 9.6	5-15	0	16.0-32.0	1-5
660:								
Soughe	0-4	10-20	---	6.6 - 7.8	0	0	0.0	0-5
	4-14	15-30	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	14-24	---	---	---	---	---	---	---
Hoot	0-5	10-15	---	7.4 - 9.0	0	0	0.0-2.0	1-12
	5-15	15-30	---	7.4 - 9.0	0-5	0	0.0-4.0	5-12
	15-25	---	---	---	---	---	---	---
662:								
Jaybee	0-7	15-30	---	6.6 - 7.8	0	0	0.0-2.0	0
	7-14	25-40	---	6.6 - 7.8	0	0	0.0-2.0	0
	14-24	---	---	---	---	---	---	---
Hoot	0-5	10-15	---	7.4 - 9.0	0	0	0.0-2.0	1-12
	5-15	15-30	---	7.4 - 9.0	0-5	0	0.0-4.0	5-12
	15-25	---	---	---	---	---	---	---
Soughe	0-4	10-25	---	6.6 - 7.8	0	0	0.0	0-5
	4-14	20-30	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	14-18	---	---	---	---	---	---	---
663:								
Soughe	0-4	10-25	---	6.6 - 7.8	0	0	0.0	0-5
	4-14	20-30	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	14-18	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
664:								
Soughe	0-4	10-25	---	6.6 - 7.8	0	0	0.0	0-5
	4-14	20-30	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	14-18	---	---	---	---	---	---	---
670:								
Denio	0-3	3.0-6.0	---	7.4 - 8.4	0	0	0.0	0
	3-16	3.0-6.0	---	7.4 - 8.4	0	0	0.0	0
	16-60	0.0-2.0	---	7.4 - 8.4	0	0	0.0	0

Table J2. - Chemical Properties of the Soils - Continued

Humboldt County, Nevada, West 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	
670:								
679:								
Outerkirk	0-4	0.0-5.0	---	7.9 - 8.4	0-1	0	0.0	0
	4-34	5.0-10	---	8.5 - 9.0	1-5	0	0.0-2.0	0
	34-50	0.0-5.0	---	8.5 - 9.0	4-8	0	0.0-2.0	0
	50-60	0.0-5.0	---	8.5 - 9.0	0-1	0	0.0-2.0	0
683:								
Oxcorel	0-5	10-20	---	7.9 - 8.4	0	0	0.0-4.0	1-12
	5-18	30-45	---	7.9 - 9.0	0-5	0	0.0-4.0	31-90
	18-60	5.0-10	---	7.9 - 9.0	1-5	0	0.0-8.0	46-90
703:								
Pickup	0-5	10-18	---	6.6 - 7.8	0	0	0.0	0
	5-22	25-37	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	22-32	---	---	---	---	---	---	---
Grumblen	0-3	11-18	---	7.4 - 8.4	0	0	0.0	0
	3-9	21-32	---	7.4 - 8.4	0	0	0.0	0
	9-18	21-31	---	7.9 - 8.4	1-5	0	0.0-4.0	0-5
	18-28	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
715:								
Wholan	0-3	3.0-10	---	7.4 - 9.0	0-1	0	2.0-8.0	0-12
	3-60	3.0-10	---	7.4 - 9.6	0-15	0	4.0-16.0	0-12
716:								
Wholan	0-3	4.0-15	---	7.9 - 9.0	0-1	0	2.0-4.0	0
	3-60	3.0-10	---	7.4 - 9.6	0-15	0	4.0-16.0	0-12
720:								
Pickup	0-5	15-25	---	6.6 - 7.8	0	0	0.0	0
	5-22	25-45	---	6.6 - 8.4	0	0	0.0-2.0	0
	22-32	---	---	---	---	---	---	---
Bucklake	0-6	10-20	---	6.1 - 7.3	0	0	0.0	0
	6-10	20-30	---	6.6 - 7.8	0	0	0.0	0
	10-21	25-40	---	6.6 - 7.8	0	0	0.0	0
	21-31	---	---	---	---	---	---	---
Puett	0-3	5.0-10	---	7.9 - 9.0	1-5	0	0.0-2.0	0-5
	3-15	5.0-10	---	7.9 - 9.0	1-5	0	0.0-2.0	5-12
	15-25	---	---	---	---	---	---	---

758:

Table J2. - Chemical Properties of the Soils - Continued

Humboldt County, Nevada, West 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	
758:								
Longcreek	0-2	15-20	---	6.6 - 7.3	0	0	0.0	0
	2-9	35-45	---	6.6 - 7.8	0	0	0.0	0
	9-14	25-35	---	6.6 - 7.8	0	0	0.0	0
	14-24	---	---	---	---	---	---	---
Softscrabble	0-12	10-25	---	6.1 - 7.3	0	0	0.0	0
	12-36	15-30	---	6.1 - 7.3	0	0	0.0	0
	36-61	15-30	---	6.1 - 7.3	0	0	0.0	0
	61-71	---	---	---	---	---	---	---
Anawalt	0-6	15-30	---	6.6 - 8.4	0	0	0.0	0
	6-15	25-50	---	6.6 - 8.4	0-5	0	0.0	0
	15-25	---	---	---	---	---	---	---
775:								
Rednik	0-6	3.0-10	---	7.4 - 9.0	0-3	0	0.0-2.0	1-12
	6-18	15-20	---	7.9 - 9.0	1-5	0-1	4.0-8.0	13-30
	18-60	3.0-10	---	8.5 - 9.6	1-5	0-2	2.0-8.0	13-30
Aboten	0-7	4.0-11	---	7.9 - 9.0	0-5	0	0.0-2.0	1-12
	7-14	15-22	---	7.9 - 9.0	1-5	0	2.0-4.0	13-90
	14-30	---	---	---	---	---	---	---
	30-60	1.0-6.0	---	7.9 - 9.0	1-10	0-5	4.0-16.0	31-45
Jungo	0-5	20-30	---	7.4 - 8.4	0-5	0	0.0-2.0	0-5
	5-22	30-40	---	7.9 - 9.0	1-10	1-5	0.0-4.0	0-12
	22-60	30-40	---	7.9 - 9.0	10-15	1-5	0.0-4.0	1-12
781:								
Pickup	0-5	15-25	---	6.6 - 8.4	0	0	0.0	0
	5-22	25-45	---	6.6 - 8.4	0	0	0.0-2.0	0
	22-32	---	---	---	---	---	---	---
Bucklake	0-6	10-20	---	6.1 - 7.3	0	0	0.0	0
	6-10	20-30	---	6.6 - 7.8	0	0	0.0	0
	10-21	25-40	---	6.6 - 7.8	0	0	0.0	0
	21-31	---	---	---	---	---	---	---
782:								
Skedaddle	0-12	15-25	---	6.6 - 7.8	0	0	0.0	0
	12-16	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
783:								
Rocconda	0-3	10-20	---	7.4 - 8.4	0	0	0.0	0-5
	3-8	20-40	---	7.4 - 8.4	0	0	0.0	0-5
	8-18	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Humboldt County, Nevada, West 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	
783:								
Rocconda	0-3	10-20	---	7.4 - 8.4	0	0	0.0	0-5
	3-8	20-40	---	7.4 - 8.4	0	0	0.0	0-5
	8-18	---	---	---	---	---	---	---
785:								
Rodell	0-5	5.0-10	---	5.6 - 6.5	0	0	0.0	0
	5-17	5.0-10	---	5.6 - 6.5	0	0	0.0	0
	17-21	---	---	---	---	---	---	---
Rubble Land	0-60	---	---	---	0	0	0.0	0
790:								
Valmy	0-2	5.0-15	---	7.9 - 9.6	0	0	4.0-8.0	1-12
	2-60	5.0-15	---	8.5 - 9.6	1-4	0	4.0-8.0	13-45
803:								
Ninemile	0-3	15-25	---	6.1 - 7.8	0	0	0.0	0
	3-14	45-75	---	6.1 - 8.4	0	0	0.0	0
	14-24	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
804:								
Singatse	0-4	4.0-12	---	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
	8-14	---	---	---	---	---	---	---
	14-24	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	
805:								
Singatse	0-4	4.0-12	---	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
	8-14	---	---	---	---	---	---	---
	14-24	---	---	---	---	---	---	---
Jaybee	0-7	15-30	---	6.6 - 7.8	0	0	0.0-2.0	0
	7-14	25-40	---	6.6 - 7.8	0	0	0.0-2.0	0
	14-24	---	---	---	---	---	---	---
806:								
Singatse	0-4	4.0-12	---	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
	8-14	---	---	---	---	---	---	---
	14-24	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Humboldt County, Nevada, West 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	
806:								
Rocconda	0-3	10-20	---	7.4 - 8.4	0	0	0.0	0-5
	3-8	20-40	---	7.4 - 8.4	0	0	0.0	0-5
	8-18	---	---	---	---	---	---	---
Badland	0-2	15-60	---	7.4 - 9.6	1-40	0-5	0.0-32.0	0-99
	2-60	---	---	---	---	---	---	---
818:								
Siscab	0-3	5.0-10	---	6.1 - 7.3	0	0	0.0	0
	3-8	20-30	---	6.1 - 7.3	0	0	0.0	0
	8-12	---	---	---	---	---	---	---
Aycab	0-29	10-20	---	6.1 - 7.3	0	0	0.0	0
	29-38	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	38-42	---	---	---	---	---	---	---
Ola	0-3	8.0-10	---	6.1 - 7.3	0	0	0.0	0
	3-19	8.0-10	---	6.1 - 7.3	0	0	0.0	0
	19-38	4.0-6.0	---	6.1 - 7.3	0	0	0.0	0
	38-39	---	---	---	---	---	---	---
	39-49	---	---	---	---	---	---	---
819:								
Siscab	0-3	5.0-10	---	6.1 - 7.3	0	0	0.0	0
	3-8	20-30	---	6.1 - 7.3	0	0	0.0	0
	8-12	---	---	---	---	---	---	---
Ola	0-3	8.0-10	---	6.1 - 7.3	0	0	0.0	0
	3-19	8.0-10	---	6.1 - 7.3	0	0	0.0	0
	19-38	4.0-6.0	---	6.1 - 7.3	0	0	0.0	0
	38-39	---	---	---	---	---	---	---
	39-49	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
820:								
Siscab	0-3	5.0-10	---	6.1 - 7.3	0	0	0.0	0
	3-8	20-30	---	6.1 - 7.3	0	0	0.0	0
	8-12	---	---	---	---	---	---	---
Poisoncreek	0-5	10-15	---	6.6 - 7.3	0	0	0.0	0
	5-13	35-45	---	6.6 - 7.3	0	0	0.0	0
	13-15	---	---	---	---	---	---	---
	15-25	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Humboldt County, Nevada, West 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	
820:								
Ola	0-3	8.0-10	---	6.1 - 7.3	0	0	0.0	0
	3-19	8.0-10	---	6.1 - 7.3	0	0	0.0	0
	19-38	4.0-6.0	---	6.1 - 7.3	0	0	0.0	0
	38-39	---	---	---	---	---	---	---
	39-49	---	---	---	---	---	---	---
821:								
Siscab	0-3	5.0-10	---	6.1 - 7.3	0	0	0.0	0
	3-8	20-30	---	6.1 - 7.3	0	0	0.0	0
	8-12	---	---	---	---	---	---	---
Poisoncreek	0-5	10-15	---	6.6 - 7.3	0	0	0.0	0
	5-13	35-45	---	6.6 - 7.3	0	0	0.0	0
	13-15	---	---	---	---	---	---	---
	15-25	---	---	---	---	---	---	---
Alta	0-17	7.0-16	---	6.1 - 7.3	0	0	0.0	0
	17-50	3.0-8.0	---	6.1 - 7.3	0	0	0.0	0
	50-60	---	---	---	---	---	---	---
823:								
Softscrabble	0-12	10-20	---	6.1 - 7.3	0	0	0.0	0
	12-36	15-30	---	6.1 - 7.3	0	0	0.0	0
	36-61	15-30	---	6.1 - 7.3	0	0	0.0	0
Cleavage	0-7	10-25	---	6.6 - 7.8	0	0	0.0	0
	7-15	15-30	---	6.6 - 7.8	0	0	0.0	0
	15-25	---	---	---	---	---	---	---
Harcany	0-3	15-25	---	6.6 - 7.3	0	0	0.0	0
	3-14	10-20	---	6.6 - 7.3	0	0	0.0	0
	14-60	10-20	---	6.6 - 7.3	0	0	0.0	0
Welch	0-5	25-30	---	6.1 - 7.3	0	0	0.0	0
	5-60	25-35	---	6.1 - 7.8	0	0	0.0	0
824:								
Simon	0-7	10-20	---	6.6 - 7.3	0	0	0.0	0
	7-31	10-25	---	6.1 - 7.3	0	0	0.0	0
	31-46	20-30	---	6.1 - 7.3	0	0	0.0	0
	46-60	10-20	---	6.6 - 7.3	0	0	0.0	0
Welch	0-9	25-30	---	6.1 - 7.3	0	0	0.0	0
	9-60	25-35	---	6.1 - 7.8	0	0	0.0	0
825:								
Sojur	0-6	10-20	---	7.9 - 9.0	1-10	0	0.0-2.0	1-12
	6-16	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Humboldt County, Nevada, West 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	
825:								
826:								
Simon	0-7	10-20	---	6.6 - 7.3	0	0	0.0	0
	7-31	10-25	---	6.1 - 7.3	0	0	0.0	0
	31-46	20-30	---	6.1 - 7.3	0	0	0.0	0
	46-60	10-20	---	6.6 - 7.3	0	0	0.0	0
Fulstone	0-3	20-25	---	6.1 - 7.3	0	0	0.0	0
	3-18	35-60	---	6.6 - 8.4	0	0	0.0-2.0	0-2
	18-29	---	---	---	---	---	---	---
829:								
Skedaddle	0-12	15-25	---	6.6 - 7.8	0	0	0.0	0
	12-16	---	---	---	---	---	---	---
Softscrabble	0-12	10-25	---	6.1 - 7.3	0	0	0.0	0
	12-36	15-30	---	6.1 - 7.3	0	0	0.0	0
	36-61	15-30	---	6.1 - 7.3	0	0	0.0	0
	61-71	---	---	---	---	---	---	---
Cleavage	0-7	20-30	---	6.6 - 7.8	0	0	0.0	0
	7-15	20-40	---	6.6 - 7.8	0	0	0.0	0
	15-25	---	---	---	---	---	---	---
830:								
Skedaddle	0-12	15-25	---	6.6 - 7.8	0	0	0.0	0
	12-16	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
Sumya	0-7	20-35	---	6.6 - 7.3	0	0	0.0	0
	7-11	25-40	---	6.6 - 7.8	0	0	0.0	0
	11-21	---	---	---	---	---	---	---
835:								
Ola	0-3	8.0-10	---	6.1 - 7.3	0	0	0.0	0
	3-19	8.0-10	---	6.1 - 7.3	0	0	0.0	0
	19-38	4.0-6.0	---	6.1 - 7.3	0	0	0.0	0
	38-39	---	---	---	---	---	---	---
	39-49	---	---	---	---	---	---	---
Aycab	0-2	5.0-10	---	6.1 - 7.3	0	0	0.0	0
	2-38	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	38-42	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Humboldt County, Nevada, West Part

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
835:								
Tosp	0-4	10-25	---	5.6 - 7.3	0	0	0.0	0
	4-37	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	37-50	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	50-54	---	---	---	---	---	---	---
Welch	0-5	25-30	---	6.1 - 7.3	0	0	0.0	0
	5-60	25-35	---	6.1 - 7.8	0	0	0.0	0
840:								
Saraph	0-2	3.0-10	---	6.6 - 7.8	0	0	0.0	0
	2-9	10-20	---	6.6 - 7.8	0	0	0.0	0
	9-16	12-26	---	6.6 - 8.4	0-1	0	0.0-2.0	0
	16-26	---	---	---	---	---	---	---
Yellowhills	0-16	15-40	---	6.6 - 7.8	0	0	0.0	0
	16-34	20-50	---	6.6 - 7.8	0	0	0.0	0
	34-60	20-50	---	6.6 - 7.8	0	0	0.0	0
841:								
Saraph	0-2	3.0-10	---	6.6 - 7.8	0	0	0.0	0
	2-9	10-20	---	6.6 - 7.8	0	0	0.0	0
	9-16	12-26	---	6.6 - 8.4	0-1	0	0.0-2.0	0
	16-26	---	---	---	---	---	---	---
Tuffo	0-5	10-30	---	6.6 - 7.8	0	0	0.0	0
	5-8	5.0-20	---	6.6 - 7.8	0	0	0.0	0
	8-18	---	---	---	---	---	---	---
Yellowhills	0-16	15-40	---	6.6 - 7.8	0	0	0.0	0
	16-34	20-50	---	6.6 - 7.8	0	0	0.0	0
	34-60	20-50	---	6.6 - 7.8	0	0	0.0	0
842:								
Deppy	0-3	5.0-15	---	7.9 - 8.4	0	0	2.0-4.0	1-12
	3-9	20-35	---	7.9 - 8.4	0	0	2.0-4.0	5-12
	9-21	---	---	---	---	---	---	---
	21-60	2.0-8.0	---	8.5 - 9.0	0	0	4.0-32.0	31-90
Tumtum	0-2	15-25	---	7.9 - 8.4	0	0	0.0	0
	2-10	28-35	---	7.9 - 8.4	0	0	0.0	0
	10-18	---	---	---	---	---	---	---
	18-60	3.0-12	---	7.9 - 8.4	0	0	0.0	0
Puett	0-3	5.0-10	---	7.9 - 9.0	1-5	0	0.0-2.0	0-5
	3-15	5.0-10	---	7.9 - 9.0	1-5	0	0.0-2.0	5-12
	15-25	---	---	---	---	---	---	---

843:

Table J2. - Chemical Properties of the Soils - Continued

Humboldt County, Nevada, West 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	
843:								
Deppy	0-3	5.0-15	---	7.9 - 8.4	0	0	2.0-4.0	1-12
	3-9	20-35	---	7.9 - 8.4	0	0	2.0-4.0	5-12
	9-21	---	---	---	---	---	---	---
	21-60	2.0-8.0	---	8.5 - 9.0	0	0	4.0-32.0	31-90
Puett	0-3	5.0-10	---	7.9 - 9.0	1-5	0	0.0-2.0	0-5
	3-15	5.0-10	---	7.9 - 9.0	1-5	0	0.0-2.0	5-12
	15-25	---	---	---	---	---	---	---
Orovada	0-6	7.0-15	---	6.6 - 8.4	0	0	0.0	0
	6-17	5.0-20	---	7.4 - 8.4	0-5	0	0.0-4.0	1-12
	17-60	10-20	---	7.9 - 9.6	1-15	0	4.0-16.0	1-12
847:								
Badland	0-2	15-60	---	7.4 - 9.6	1-40	0-5	0.0-32.0	0-99
	2-60	---	---	---	---	---	---	---
Toulon	0-6	5.0-10	---	7.9 - 9.0	0-5	0-2	2.0-4.0	0-12
	6-14	5.0-10	---	7.9 - 9.0	1-5	0-2	2.0-4.0	0-12
	14-60	0.0-3.0	---	7.9 - 9.0	1-5	0-2	2.0-4.0	0-12
Typic Torriorthents	0-5	0.0-8.0	---	7.9 - 9.0	0-5	0	0.0-2.0	0-5
	5-60	1.0-8.0	---	7.9 - 9.0	0-5	0	0.0-2.0	0-5
850:								
Playas	0-6	35-65	---	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
875:								
Dun Glen	0-5	15-25	---	7.4 - 8.4	0	0	2.0-4.0	1-12
	5-11	15-25	---	7.4 - 8.4	0	0	2.0-4.0	1-12
	11-60	5.0-15	---	7.9 - 9.6	1-10	0-1	2.0-4.0	13-45
Pumper	0-11	5.0-15	---	7.9 - 9.0	0-1	0	0.0-2.0	5-12
	11-60	0.0-5.0	---	7.9 - 9.0	2-10	0	0.0-8.0	5-12
Davey	0-4	5.0-15	---	6.6 - 7.8	0	0	0.0	0
	4-16	10-25	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	16-60	2.0-10	---	7.9 - 9.0	0-10	0-1	0.0-2.0	0-5
876:								
Pumper	0-4	7.0-20	---	7.9 - 9.0	0-1	0	0.0-4.0	5-12
	4-11	14-25	---	7.9 - 9.0	0-3	0	2.0-8.0	5-12
	11-60	0.0-5.0	---	7.9 - 9.0	2-10	0	0.0-8.0	5-12
Weso	0-3	7.0-25	---	7.9 - 9.0	0	0	0.0-4.0	1-12
	3-29	5.0-25	---	7.9 - 9.0	0	0	0.0-8.0	5-12
	29-60	2.0-15	---	7.9 - 9.0	0-5	0	0.0-8.0	13-45

Table J2. - Chemical Properties of the Soils - Continued

Humboldt County, Nevada, West 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	
876:								
878:								
Croesus	0-10	5.0-20	---	6.1 - 7.3	0	0	0.0	0
	10-22	5.0-20	---	6.1 - 7.3	0	0	0.0	0
	22-29	5.0-20	---	7.4 - 8.4	0	0	0.0-2.0	0
	29-39	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
907:								
Bucklake	0-6	10-20	---	6.1 - 7.3	0	0	0.0	0
	6-10	20-30	---	6.6 - 7.8	0	0	0.0	0
	10-21	25-40	---	6.6 - 7.8	0	0	0.0	0
	21-31	---	---	---	---	---	---	---
909:								
Bucklake	0-6	10-20	---	6.1 - 7.3	0	0	0.0	0
	6-10	20-30	---	6.6 - 7.8	0	0	0.0	0
	10-21	25-40	---	6.6 - 7.8	0	0	0.0	0
	21-31	---	---	---	---	---	---	---
Rubble Land	0-60	---	---	---	0	0	0.0	0
Softscrabble	0-12	10-25	---	6.1 - 7.3	0	0	0.0	0
	12-36	15-30	---	6.1 - 7.3	0	0	0.0	0
	36-61	15-30	---	6.1 - 7.3	0	0	0.0	0
	61-71	---	---	---	---	---	---	---
935:								
Wesfil	0-8	10-15	---	7.4 - 9.0	1-10	0	0.0-2.0	1-5
	8-13	---	---	---	---	---	---	---
	13-23	---	---	---	---	---	---	---
Sojur	0-6	10-20	---	7.9 - 9.0	1-10	0	0.0-2.0	1-12
	6-16	---	---	---	---	---	---	---
938:								
Weso	0-3	10-25	---	7.9 - 9.0	0	0	8.0-16.0	5-12
	3-29	10-20	---	7.9 - 9.6	0-4	0	8.0-16.0	13-30
	29-60	5.0-15	---	8.5 - 9.6	0-4	0-1	8.0-16.0	13-30
940:								
Westbutte	0-6	15-30	---	6.6 - 7.3	0	0	0.0	0
	6-15	10-20	---	6.6 - 7.3	0	0	0.0	0
	15-28	10-25	---	6.6 - 7.8	0	0	0.0	0
	28-38	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Humboldt County, Nevada, West 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	
940:								
Rock Outcrop	---	---	---	---	---	---	---	---
965:								
Wylo	0-4	15-30	---	6.6 - 7.8	0	0	0.0-2.0	0
	4-15	25-45	---	6.6 - 7.8	0	0	0.0-2.0	0
	15-25	---	---	---	---	---	---	---
Bucklake	0-6	10-20	---	6.1 - 7.3	0	0	0.0	0
	6-10	20-30	---	6.6 - 7.8	0	0	0.0	0
	10-21	25-40	---	6.6 - 7.8	0	0	0.0	0
	21-31	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
1000:								
Broyles	0-10	7.0-18	---	7.9 - 9.0	0	0	2.0-4.0	5-12
	10-60	5.0-20	---	8.5 - 9.6	0	0-5	4.0-16.0	5-30
1010:								
Bubus	0-2	10-20	---	7.9 - 9.6	0-2	0	8.0-16.0	13-30
	2-60	5.0-25	---	7.9 - 9.6	2-10	0-1	8.0-32.0	13-99
1030:								
Rio King	0-6	15-25	---	6.6 - 7.8	0	0	0.0-2.0	0
	6-60	15-25	---	6.6 - 7.8	0	0	0.0-2.0	0-5
Cumulic Endoaquolls	---	---	---	---	---	---	---	---
Cumulic Endoaquolls	---	---	---	---	---	---	---	---
1032:								
Raglan	0-7	8.0-20	---	7.9 - 9.0	0-3	0	0.0-4.0	5-12
	7-16	8.0-25	---	7.9 - 9.0	0-3	0	0.0-4.0	12-30
	16-30	15-30	---	7.9 - 9.0	1-15	0-5	8.0-32.0	13-45
Humboldt	0-13	20-45	---	7.9 - 8.4	0-3	0	0.0-4.0	1-12
	13-60	20-35	---	7.9 - 8.4	1-5	0	0.0-4.0	1-12
1060:								
Raglan	0-7	8.0-20	---	7.9 - 9.0	0-5	0	16.0-32.0	13-45
	7-16	8.0-25	---	7.9 - 9.0	0-5	0	16.0-32.0	13-60
	16-60	15-30	---	8.5 - 9.0	1-5	0-5	16.0-32.0	31-99
1080:								
Argenta	0-4	10-20	---	7.9 - 9.0	0-3	0	16.0-32.0	46-99
	4-46	10-25	---	7.9 - 9.0	1-10	0-5	4.0-32.0	13-45
	46-60	3.0-15	---	7.9 - 9.0	0-10	0-5	2.0-8.0	5-12

Table J2. - Chemical Properties of the Soils - Continued

Humboldt County, Nevada, West 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:								
Argenta	0-4	10-20	---	7.9 - 9.0	0-3	0	16.0-32.0	46-99
	4-46	10-25	---	7.9 - 9.0	1-10	0-5	4.0-32.0	13-45
	46-60	3.0-15	---	7.9 - 9.0	0-10	0-5	2.0-8.0	5-12
1081:								
Argenta	0-4	5.0-15	---	7.9 - 9.0	0-3	0	16.0-32.0	46-99
	4-46	10-25	---	7.9 - 9.0	1-10	0-5	4.0-32.0	13-45
	46-60	3.0-15	---	7.9 - 9.0	0-10	0-5	2.0-8.0	5-12
Clementine	0-3	15-30	---	7.4 - 8.4	0	0	4.0-8.0	0-12
	3-41	15-30	---	7.4 - 9.0	0-20	0	4.0-8.0	1-12
	41-60	15-25	---	7.9 - 9.6	10-20	0	0.0-4.0	0-5
Outerkirk	0-4	0.0-5.0	---	7.9 - 8.4	0-1	0	0.0	0
	4-34	5.0-10	---	8.5 - 9.0	1-5	0	0.0-2.0	0
	34-50	0.0-5.0	---	8.5 - 9.0	4-8	0	0.0-2.0	0
	50-60	0.0-5.0	---	8.5 - 9.0	0-1	0	0.0-2.0	0
1150:								
Saraph	0-4	10-30	---	6.6 - 7.8	0	0	0.0	0
	4-9	20-35	---	6.6 - 7.8	0	0	0.0	0
	9-16	30-50	---	6.6 - 8.4	0-1	0	0.0-2.0	0
	16-30	---	---	---	---	---	---	---
Hangrock	0-3	25-35	---	6.6 - 7.3	0	0	0.0	0
	3-16	35-45	---	6.6 - 7.3	0	0	0.0	0
	16-60	---	---	---	---	---	---	---
Tuffo	0-5	10-30	---	6.6 - 7.8	0	0	0.0	0
	5-8	5.0-20	---	6.6 - 7.8	0	0	0.0	0
	8-30	---	---	---	---	---	---	---
1164:								
Devada	0-5	10-25	---	6.1 - 7.8	0	0	0.0	0
	5-19	25-50	---	6.6 - 7.8	0	0	0.0	0
	19-23	---	---	---	---	---	---	---
Ashcamp	0-3	30-40	---	6.6 - 7.3	0	0	0.0	0
	3-8	25-35	---	6.6 - 7.3	0	0	0.0	0
	8-23	---	---	---	---	---	---	---
1400:								
Bombadil	0-4	8.0-13	---	6.6 - 7.8	0	0	0.0	0
	4-7	13-20	---	6.6 - 7.8	0	0	0.0	0
	7-13	16-23	---	6.6 - 7.8	0-1	0	0.0	0
	13-17	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Humboldt County, Nevada, West 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	
1400:								
Ceejay	0-5	11-19	---	6.6 - 8.4	0	0	0.0-2.0	0-1
	5-16	21-28	---	6.6 - 8.4	0-1	0	0.0-4.0	0-5
	16-20	---	---	---	---	---	---	---
1460:								
Weezweed	0-15	40-50	---	6.1 - 7.8	0	0	0.0	0
	15-60	35-45	---	6.1 - 7.8	0	0	0.0	0
Wetvit	0-16	35-45	---	6.1 - 7.8	0	0	0.0	0
	16-44	35-45	---	6.1 - 7.8	0	0	0.0	0
	44-60	35-45	---	6.6 - 7.8	0	0	0.0	0
2080:								
Water	---	---	---	---	---	---	---	---