Table J2. - Chemical Properties of the Soils

Carson Valley Area, Nevada And California

Absence of an entry indicates that data were not estimated.

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
AdE:								
Aldax	0-3	10-20	---	5.6 - 7.3	0	0	0.0	0
	3-14	10-20	---	5.6 - 7.3	0	0	0.0	0
	14-18	---	---	---	---	---	---	---
AIE:								
Aldax	0-3	10-20	---	5.6 - 7.3	0	0	0.0	0
	3-14	10-20	---	5.6 - 7.3	0	0	0.0	0
	14-18	---	---	---	---	---	---	---
Bc:								
Bishop	0-26	20-30	---	6.6 - 7.3	3-5	0	0.0	0
	26-60	8.0-20	---	6.1 - 7.3	0-5	0	0.0	0
Bc2:								
Bishop	0-28	20-30	---	6.6 - 7.3	0	0	0.0	0
	28-60	8.0-20	---	6.1 - 7.3	0	0	0.0	0
Bh:								
Bishop	0-28	20-30	---	6.6 - 7.3	0	0	0.0	0
	28-48	8.0-20	---	6.1 - 7.3	0-5	0	0.0	0
	48-60	35-55	---	6.1 - 7.3	0	0	0.0	0
Bm:								
Bishop	0-28	20-30	---	6.6 - 7.3	3-5	0	0.0	0
	28-60	8.0-20	---	6.1 - 7.3	0-5	0	0.0	0
Bn:								
Bishop	0-28	20-30	---	8.5 - 9.0	3-5	0	4.0-8.0	2-13
	28-60	8.0-20	---	7.9 - 9.0	0-5	0	0.0-4.0	0
Other Soils	---	---	---	---	---	---	---	---
BoC:								
Borda	0-10	15-25	---	6.1 - 7.3	0	0	0.0	0
	10-34	35-50	---	6.1 - 8.4	1-5	0	0.0-2.0	0
	34-50	20-30	---	7.9 - 8.4	1-5	0	0.0-2.0	0
	50-54	---	---	---	---	---	---	---
BrF:								
Borda	0-10	15-25	---	6.1 - 7.3	0	0	0.0	0
	10-34	35-50	---	6.1 - 8.4	1-5	0	0.0-2.0	0
	34-50	20-30	---	7.9 - 8.4	1-5	0	0.0-2.0	0
	50-54	---	---	---	---	---	---	---
BtA:								

Table J2. - Chemical Properties of the Soils - Continued

Carson Valley Area, Nevada And California

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	
BtA:								
Brockliss	0-15	4.0-10	---	6.1 - 7.3	0	0	0.0	0
	15-60	1.0-5.0	---	6.1 - 7.3	0	0	0.0	0
BwA:								
Brockliss	0-15	4.0-10	---	6.1 - 7.3	0	0	0.0	0
	15-60	1.0-5.0	---	6.1 - 7.3	0	0	0.0	0
CcB:								
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
Cf:								
Cashmere	0-11	4.0-11	---	6.1 - 7.8	0	0	0.0-2.0	0
	11-24	4.0-9.0	---	6.6 - 7.8	0	0	0.0-2.0	0
	24-60	4.0-9.0	---	6.6 - 8.4	0-5	0	0.0-2.0	0-5
CkC:								
Cave Rock	0-31	5.0-20	---	5.6 - 7.3	0	0	0.0	0
	31-60	5.0-15	---	5.6 - 7.3	0	0	0.0	0
Cu:								
Cradlebaugh	0-9	25-40	---	9.1 - 9.6	1-3	0	16.0-32.0	46-90
	9-31	15-30	---	9.1 - 9.6	1-3	0	8.0-16.0	30-45
	31-60	3.0-10	---	8.5 - 9.0	1-3	0	8.0-16.0	30-45
Other Soils	---	---	---	---	---	---	---	---
Dl:								
Draper	0-8	15-25	---	6.6 - 7.8	0	0	0.0-2.0	0
	8-30	15-25	---	6.6 - 7.8	0	0	0.0-2.0	0
	30-53	10-20	---	7.4 - 7.8	0	0	0.0-2.0	0
	53-60	5.0-15	---	7.4 - 8.4	0-5	0	0.0-2.0	0
Do:								
Draper	0-8	15-25	---	6.6 - 7.8	0	0	0.0-2.0	0
	8-30	15-25	---	6.6 - 7.8	0	0	0.0-2.0	0
	30-53	10-20	---	7.4 - 7.8	0	0	0.0-2.0	0
	53-60	5.0-15	---	7.4 - 8.4	0-5	0	0.0-2.0	0
DwA:								
Dressler	0-20	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	20-66	1.0-5.0	---	6.1 - 7.3	0	0	0.0	0
Other Soils	---	---	---	---	---	---	---	---
DwB:								

Table J2. - Chemical Properties of the Soils - Continued

Carson Valley Area, Nevada And California

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	
DwB:								
Dressler	0-20	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	20-66	1.0-5.0	---	6.1 - 7.3	0	0	0.0	0
Other Soils	---	---	---	---	---	---	---	---
FrG:								
Franktown	0-5	5.0-12	---	5.6 - 6.5	0	0	0.0	0
	5-10	5.0-10	---	5.6 - 6.5	0	0	0.0	0
	10-14	---	---	---	---	---	---	---
Rubble Land	---	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
G.P.:								
Pits	---	---	---	---	---	---	---	---
Gu:								
Gullied Land	---	---	---	---	---	---	---	---
Hn:								
Henningsen Variant	0-9	13-21	---	6.6 - 7.3	0	0	0.0	0
	9-28	7.0-14	---	6.6 - 7.3	0	0	0.0	0
	28-60	0.0-5.0	---	6.6 - 7.3	0	0	0.0	0
HoC:								
Holbrook	0-7	9.0-17	---	6.1 - 7.3	0	0	0.0	0
	7-60	5.0-9.0	---	6.1 - 8.4	0	0	0.0-2.0	0-5
HsD:								
Holbrook	0-7	9.0-17	---	6.1 - 7.3	0	0	0.0	0
	7-60	5.0-9.0	---	6.1 - 8.4	0	0	0.0-2.0	0-5
IgD:								
Indian Creek	0-5	10-20	---	6.1 - 7.3	0	0	0.0	0
	5-19	30-45	---	6.1 - 7.8	0-5	0	0.0-2.0	0
	19-24	---	---	---	---	---	---	---
	24-60	5.0-15	---	6.6 - 9.0	1-5	0	0.0-4.0	0-5
IIB:								
Indian Creek	0-3	10-25	---	6.1 - 7.3	0	0	0.0	0
	3-20	25-45	---	6.1 - 7.8	0-1	0	0.0-2.0	0-1
	20-25	---	---	---	---	---	---	---
	25-60	5.0-20	---	6.6 - 9.0	0-5	0	0.0-4.0	0-1
InF:								

Table J2. - Chemical Properties of the Soils - Continued

Carson Valley Area, Nevada And California

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	
InF:								
Indiano	0-13	15-30	---	6.1 - 7.3	0	0	0.0	0
	13-31	15-30	---	6.1 - 7.3	0	0	0.0	0
	31-35	---	---	---	---	---	---	---
JaB:								
James Canyon	0-31	15-25	---	6.1 - 7.3	0	0	0.0	0
	31-60	15-25	---	6.1 - 7.3	0	0	0.0	0
JaC:								
James Canyon	0-31	15-25	---	6.1 - 7.3	0	0	0.0	0
	31-60	15-25	---	6.1 - 7.3	0	0	0.0	0
JdB:								
James Canyon	0-8	60-100	---	6.1 - 6.5	0	0	0.0	0
	8-30	15-40	---	6.6 - 7.3	0	0	0.0	0
	30-60	15-25	---	6.6 - 7.3	0	0	0.0	0
Jn:								
Jubilee	0-5	15-23	---	6.1 - 7.3	0	0	0.0	0
	5-37	6.0-17	---	6.6 - 7.3	0	0	0.0	0
	37-60	4.0-11	---	6.6 - 7.8	0-1	0	0.0	0
Jo:								
Jubilee	0-5	15-23	---	6.1 - 7.3	0	0	0.0	0
	5-37	6.0-17	---	6.6 - 7.3	0	0	0.0	0
	37-60	4.0-11	---	6.6 - 7.8	0-1	0	0.0	0
Jp:								
Jubilee Variant	0-6	64-106	---	6.6 - 7.3	0	0	0.0	0
	6-47	6.0-15	---	6.6 - 7.3	0	0	0.0	0
	47-60	2.0-6.0	---	6.6 - 7.3	0	0	0.0	0
Kt:								
Kimmerling	0-8	20-30	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	8-48	20-30	---	6.6 - 7.8	0	0	0.0	0
	48-60	8.0-24	---	6.6 - 7.8	0	0	0.0	0
Kimmerling, wet	0-8	20-30	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	8-48	20-30	---	6.6 - 7.8	0	0	0.0	0
	48-60	8.0-24	---	6.6 - 7.8	0	0	0.0	0
MhE:								
Millich	0-3	15-20	---	6.6 - 7.3	0	0	0.0-2.0	0
	3-8	20-30	---	5.6 - 6.5	0	0	0.0-2.0	0
	8-16	30-40	---	5.6 - 6.5	0	0	0.0-2.0	0
	16-20	---	---	---	---	---	---	---
MhF:								

Table J2. - Chemical Properties of the Soils - Continued

Carson Valley Area, Nevada And California

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	
MhF:								
Millich	0-3	15-20	---	6.6 - 7.3	0	0	0.0-2.0	0
	3-8	20-30	---	5.6 - 6.5	0	0	0.0-2.0	0
	8-16	30-40	---	5.6 - 6.5	0	0	0.0-2.0	0
	16-20	---	---	---	---	---	---	---
MlB:								
Mottsville	0-24	5.0-20	---	5.6 - 7.3	0	0	0.0	0
	24-60	5.0-15	---	5.6 - 7.3	0	0	0.0	0
MlD:								
Mottsville	0-18	5.0-20	---	5.6 - 7.3	0	0	0.0	0
	18-60	5.0-15	---	5.6 - 7.3	0	0	0.0	0
MoD:								
Mottsville	0-24	5.0-20	---	5.6 - 7.3	0	0	0.0	0
	24-60	5.0-15	---	5.6 - 7.3	0	0	0.0	0
MoF:								
Mottsville	0-24	5.0-20	---	5.6 - 7.3	0	0	0.0	0
	24-60	5.0-15	---	5.6 - 7.3	0	0	0.0	0
OgA:								
Ophir	0-10	5.0-15	---	5.6 - 7.3	0	0	0.0	0
	10-60	3.0-10	---	5.6 - 7.3	0	0	0.0	0
Other Soils	---	---	---	---	---	---	---	---
OgB:								
Ophir	0-10	5.0-15	---	5.6 - 7.3	0	0	0.0	0
	10-55	3.0-10	---	5.6 - 7.3	0	0	0.0	0
Other Soils	---	---	---	---	---	---	---	---
OhC:								
Ophir	0-10	5.0-15	---	5.6 - 7.3	0	0	0.0	0
	10-55	3.0-10	---	5.6 - 7.3	0	0	0.0	0
Other Soils	---	---	---	---	---	---	---	---
OpB:								
Ophir	0-7	60-100	---	5.6 - 6.5	0	0	0.0	0
	7-17	2.0-15	---	5.6 - 7.3	0	0	0.0	0
	17-60	1.0-10	---	5.6 - 7.3	0	0	0.0	0
Pe:								

Table J2. - Chemical Properties of the Soils - Continued

Carson Valley Area, Nevada And California

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	
Pe:								
Peat	0-18	60-100	---	5.6 - 6.5	0	0	0.0	0
	18-24	2.0-15	---	5.6 - 7.3	0	0	0.0	0
	24-60	1.0-10	---	5.6 - 7.3	0	0	0.0	0
PnC:								
Prey Variant	0-10	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	10-15	10-25	---	6.1 - 7.3	0	0	0.0	0
	15-22	---	---	---	---	---	---	---
	22-60	0.0-5.0	---	6.6 - 7.8	0	0	0.0	0
ReB:								
Reno	0-1	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	1-3	6.0-15	---	6.6 - 7.3	0	0	0.0	0
	3-18	26-44	---	6.1 - 7.8	0	0	0.0	0
	18-22	1.0-5.0	---	6.6 - 7.8	0	0	0.0	0
	22-31	---	---	---	---	---	---	---
	31-60	2.0-7.0	---	7.4 - 8.4	0-5	0	0.0-4.0	0
RgC2:								
Reno, moderately deep	0-1	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	1-3	6.0-15	---	6.6 - 7.3	0	0	0.0	0
	3-18	26-44	---	6.1 - 7.8	0	0	0.0	0
	18-22	1.0-5.0	---	6.6 - 7.8	0	0	0.0	0
	22-31	---	---	---	---	---	---	---
	31-35	---	---	---	---	---	---	---
Ro:								
Rock Land	---	---	---	---	---	---	---	---
Ru:								
Rough Broken Land	---	---	---	---	---	---	---	---
Sa:								
Alluvial Land	0-3	5.0-12	---	7.4 - 7.8	0	0	0.0	0
	3-60	2.0-8.0	---	7.4 - 7.8	0	0	0.0	0
SlD:								
Springmeyer	0-3	10-20	---	6.1 - 7.3	0	0	0.0	0
	3-10	10-20	---	6.1 - 7.3	0	0	0.0	0
	10-22	20-30	---	6.1 - 7.3	0	0	0.0	0
	22-60	15-20	---	6.6 - 8.4	0-1	0	0.0-2.0	0
SmB:								
Springmeyer	0-10	10-20	---	6.1 - 7.3	0	0	0.0	0
	10-28	20-30	---	6.1 - 7.3	0	0	0.0	0
	28-60	15-20	---	6.6 - 8.4	0-1	0	0.0-2.0	0

Table J2. - Chemical Properties of the Soils - Continued

Carson Valley Area, Nevada And California

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	
SnF:								
Springmeyer	0-10	10-20	---	6.1 - 7.3	0	0	0.0	0
	10-22	20-30	---	6.1 - 7.3	0	0	0.0	0
	22-60	20-25	---	6.6 - 8.4	0-1	0	0.0-2.0	0
SoD:								
Springmeyer, Bedrock substratum	0-10	10-20	---	6.1 - 7.3	0	0	0.0	0
	10-24	20-30	---	6.1 - 7.3	0	0	0.0	0
	24-60	---	---	---	---	---	---	---
TaF:								
Toiyabe	0-7	3.0-10	---	5.6 - 7.3	0	0	0.0	0
	7-15	1.0-5.0	---	5.6 - 7.3	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
Wa:								
Washoe	0-11	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	11-42	15-25	---	6.1 - 7.3	0	0	0.0	0
	42-60	5.0-10	---	6.1 - 7.3	0	0	0.0	0
Water:								
Water	---	---	---	---	---	---	---	---
Wg:								
Washoe	0-11	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	11-42	15-25	---	6.1 - 7.3	0	0	0.0	0
	42-60	5.0-10	---	6.1 - 7.3	0	0	0.0	0