

Table J2. - Chemical Properties of the Soils

Greenbrier County, West Virginia

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 Exchange	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
AIB:								
Allegheny	0-4	---	---	3.6 - 5.5	---	---	---	---
	4-48	---	---	3.6 - 5.5	---	---	---	---
	48-64	---	---	3.6 - 5.5	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
AIC:								
Allegheny	0-4	---	---	3.6 - 5.5	---	---	---	---
	4-48	---	---	3.6 - 5.5	---	---	---	---
	48-64	---	---	3.6 - 5.5	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
An:								
Atkins	0-4	---	---	4.5 - 5.5	---	---	---	---
	4-28	---	---	4.5 - 5.5	---	---	---	---
	28-64	---	---	4.5 - 5.5	---	---	---	---
Philo	0-8	---	---	4.5 - 6.0	---	---	---	---
	8-37	---	---	4.5 - 6.0	---	---	---	---
	37-64	---	---	4.5 - 6.0	---	---	---	---
Potomac	0-6	---	---	5.1 - 7.8	---	---	---	---
	6-59	---	---	5.1 - 7.8	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
BaE:								
Belmont	0-6	---	---	5.1 - 6.5	---	---	---	---
	6-23	---	---	5.1 - 6.5	---	---	---	---
	23-35	---	---	5.6 - 7.3	---	---	---	---
	35-50	---	---	5.6 - 7.8	---	---	---	---
	50-51	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
BcC:								
Berks	0-3	---	5.0-15	3.6 - 6.5	---	---	---	---
	3-23	---	5.0-10	3.6 - 6.5	---	---	---	---
	23-30	---	5.0-10	3.6 - 6.5	---	---	---	---
	30-31	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	
BcE:								

Table J2. - Chemical Properties of the Soils - Continued

Greenbrier County, West Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate Exchange	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
BcE:								
Berks	0-3	---	5.0-15	3.6 - 6.5	---	---	---	---
	3-23	---	5.0-10	3.6 - 6.5	---	---	---	---
	23-30	---	5.0-10	3.6 - 6.5	---	---	---	---
	30-31	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
BcF:								
Berks	0-3	---	5.0-15	3.6 - 6.5	---	---	---	---
	3-23	---	5.0-10	3.6 - 6.5	---	---	---	---
	23-30	---	5.0-10	3.6 - 6.5	---	---	---	---
	30-31	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
BkG:								
Berks	0-3	---	5.0-15	3.6 - 6.5	---	---	---	---
	3-23	---	5.0-10	3.6 - 6.5	---	---	---	---
	23-30	---	5.0-10	3.6 - 6.5	---	---	---	---
	30-31	---	---	---	---	---	---	---
Weikert	0-7	---	6.0-20	4.5 - 5.5	---	---	---	---
	7-16	---	6.0-15	3.6 - 5.5	---	---	---	---
	16-17	---	---	---	---	---	---	---
Calvin	0-3	---	12-22	4.5 - 6.0	---	---	---	---
	3-28	---	5.0-15	4.5 - 6.0	---	---	---	---
	28-39	---	5.0-15	4.5 - 6.0	---	---	---	---
	---	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
BIC:								
Berks	0-3	---	5.0-15	3.6 - 6.5	---	---	---	---
	3-23	---	5.0-10	3.6 - 6.5	---	---	---	---
	23-30	---	5.0-10	3.6 - 6.5	---	---	---	---
	30-31	---	---	---	---	---	---	---
Dekalb	0-4	---	10-18	3.6 - 6.5	---	---	---	---
	4-23	---	5.0-10	3.6 - 5.5	---	---	---	---
	23-33	---	5.0-10	3.6 - 5.5	---	---	---	---
	33-35	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
BIE:								

Table J2. - Chemical Properties of the Soils - Continued

Greenbrier County, West Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate Exchange	Gypsum	Salinity	Sodium Adsorption Ratio
		In meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
BIE:								
Berks	0-3	---	5.0-15	3.6 - 6.5	---	---	---	---
	3-23	---	5.0-10	3.6 - 6.5	---	---	---	---
	23-30	---	5.0-10	3.6 - 6.5	---	---	---	---
	30-31	---	---	---	---	---	---	---
Dekalb	0-4	---	10-18	3.6 - 6.5	---	---	---	---
	4-23	---	5.0-10	3.6 - 5.5	---	---	---	---
	23-33	---	5.0-10	3.6 - 5.5	---	---	---	---
	---	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	
BIF:								
Berks	0-3	---	5.0-15	3.6 - 6.5	---	---	---	---
	3-23	---	5.0-10	3.6 - 6.5	---	---	---	---
	23-30	---	5.0-10	3.6 - 6.5	---	---	---	---
	30-31	---	---	---	---	---	---	---
Dekalb	0-4	---	10-18	3.6 - 6.5	---	---	---	---
	4-23	---	5.0-10	3.6 - 5.5	---	---	---	---
	23-33	---	5.0-10	3.6 - 5.5	---	---	---	---
	33-35	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	
BrE:								
Berks	0-3	---	---	3.6 - 6.5	---	---	---	---
	3-23	---	---	3.6 - 6.5	---	---	---	---
	23-30	---	---	3.6 - 6.5	---	---	---	---
	30-31	---	---	---	---	---	---	---
Weikert	0-7	---	---	4.5 - 6.0	---	---	---	---
	7-16	---	---	4.5 - 6.0	---	---	---	---
	16-17	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	
BrF:								
Berks	0-3	---	---	3.6 - 6.5	---	---	---	---
	3-23	---	---	3.6 - 6.5	---	---	---	---
	23-30	---	---	3.6 - 6.5	---	---	---	---
	30-31	---	---	---	---	---	---	---
Weikert	0-7	---	---	4.5 - 6.0	---	---	---	---
	7-16	---	---	4.5 - 6.0	---	---	---	---
	16-17	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	

Table J2. - Chemical Properties of the Soils - Continued

Greenbrier County, West Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate Exchange	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
BrF:								
BtC:								
Blackthorn	0-6	---	---	4.5 - 6.0	---	---	---	---
	6-43	---	---	4.5 - 6.0	---	---	---	---
	43-64	---	---	4.5 - 5.5	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
BtE:								
Blackthorn	0-6	---	---	4.5 - 6.0	---	---	---	---
	6-43	---	---	4.5 - 6.0	---	---	---	---
	43-64	---	---	4.5 - 5.5	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
BxF:								
Briery	0-2	---	---	5.1 - 7.8	---	---	---	---
	2-64	---	---	5.1 - 7.8	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
CbC:								
Calvin	0-4	---	12-22	4.5 - 6.0	---	---	---	---
	4-28	---	5.0-15	4.5 - 6.0	---	---	---	---
	28-39	---	5.0-15	4.5 - 6.0	---	---	---	---
	39-41	---	---	---	---	---	---	---
Dekalb	0-4	---	10-18	3.6 - 6.5	---	---	---	---
	4-23	---	5.0-10	3.6 - 5.5	---	---	---	---
	23-33	---	5.0-10	3.6 - 5.5	---	---	---	---
	33-35	---	---	---	---	---	---	---
Berks	0-3	---	5.0-15	3.6 - 6.5	---	---	---	---
	3-23	---	5.0-10	3.6 - 6.5	---	---	---	---
	23-30	---	5.0-10	3.6 - 6.5	---	---	---	---
	30-31	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
CbE:								
Calvin	0-4	---	12-22	4.5 - 6.0	---	---	---	---
	4-28	---	5.0-15	4.5 - 6.0	---	---	---	---
	28-39	---	5.0-15	4.5 - 6.0	---	---	---	---
	39-41	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Greenbrier County, West Virginia

Map Symbol and Soil Name	Depth	Cation	Effective	Soil	Calcium	Gypsum	Salinity	Sodium
		Exchange Capacity	Cation Exchange Capacity	Reaction	Carbonate Exchange			Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
CbE:								
Dekalb	0-4	---	10-18	3.6 - 6.5	---	---	---	---
	4-23	---	5.0-10	3.6 - 5.5	---	---	---	---
	23-33	---	5.0-10	3.6 - 5.5	---	---	---	---
	33-35	---	---	---	---	---	---	---
Berks								
	0-3	---	5.0-15	3.6 - 6.5	---	---	---	---
	3-23	---	5.0-10	3.6 - 6.5	---	---	---	---
	23-30	---	5.0-10	3.6 - 6.5	---	---	---	---
	30-31	---	---	---	---	---	---	---
Other Soils								
	---	---	---	---	---	---	---	---
CbF:								
Calvin	0-4	---	12-22	4.5 - 6.0	---	---	---	---
	4-28	---	5.0-15	4.5 - 6.0	---	---	---	---
	28-39	---	5.0-15	4.5 - 6.0	---	---	---	---
	39-41	---	---	---	---	---	---	---
Dekalb								
	0-4	---	10-18	3.6 - 6.5	---	---	---	---
	4-23	---	5.0-10	3.6 - 5.5	---	---	---	---
	23-33	---	5.0-10	3.6 - 5.5	---	---	---	---
	33-35	---	---	---	---	---	---	---
Berks								
	0-3	---	5.0-15	3.6 - 6.5	---	---	---	---
	3-23	---	5.0-10	3.6 - 6.5	---	---	---	---
	23-30	---	5.0-10	3.6 - 6.5	---	---	---	---
	---	---	---	---	---	---	---	---
Other Soils								
	---	---	---	---	---	---	---	---
CeF:								
Caneyville	0-3	---	---	4.5 - 7.3	---	---	---	---
	3-10	---	---	4.5 - 7.3	---	---	---	---
	10-24	---	---	5.6 - 7.8	---	---	---	---
	24-25	---	---	---	---	---	---	---
Frederick								
	0-8	---	---	4.5 - 6.0	---	---	---	---
	8-29	---	---	4.5 - 6.0	---	---	---	---
	29-79	---	---	4.5 - 6.0	---	---	---	---
Rock Outcrop								
	---	---	---	---	---	---	---	---
Other Soils								
	---	---	---	---	---	---	---	---
CbB:								
Cateache	0-5	---	---	4.5 - 6.0	---	---	---	---
	5-29	---	---	4.5 - 6.0	---	---	---	---
	29-35	---	---	5.1 - 6.0	---	---	---	---
	35-37	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Greenbrier County, West Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate Exchange	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
CfB:								
Other Soils	---	---	---	---	---	---	---	---
CfC:								
Cateache	0-5	---	---	4.5 - 6.0	---	---	---	---
	5-29	---	---	4.5 - 6.0	---	---	---	---
	29-35	---	---	5.1 - 6.0	---	---	---	---
	35-37	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
CfD:								
Cateache	0-5	---	---	4.5 - 6.0	---	---	---	---
	5-29	---	---	4.5 - 6.0	---	---	---	---
	29-35	---	---	5.1 - 6.0	---	---	---	---
	35-37	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
CfE:								
Cateache	0-5	---	---	4.5 - 6.0	---	---	---	---
	5-29	---	---	4.5 - 6.0	---	---	---	---
	29-35	---	---	5.1 - 6.0	---	---	---	---
	35-37	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
CfF:								
Cateache	0-5	---	---	4.5 - 6.0	---	---	---	---
	5-29	---	---	4.5 - 6.0	---	---	---	---
	29-35	---	---	5.1 - 6.0	---	---	---	---
	35-37	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
CgC:								
Cateache	0-5	---	---	4.5 - 6.0	---	---	---	---
	5-29	---	---	4.5 - 6.0	---	---	---	---
	29-35	---	---	5.1 - 6.0	---	---	---	---
	35-37	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
CgE:								
Cateache	0-5	---	---	4.5 - 6.0	---	---	---	---
	5-29	---	---	4.5 - 6.0	---	---	---	---
	29-35	---	---	5.1 - 6.0	---	---	---	---
	35-37	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Greenbrier County, West Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate Exchange	Gypsum	Salinity	Sodium Adsorption Ratio
		In meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
CgE:								
Other Soils	---	---	---	---	---	---	---	---
CgF:								
Cateache	0-5	---	---	4.5 - 6.0	---	---	---	---
	5-29	---	---	4.5 - 6.0	---	---	---	---
	29-35	---	---	5.1 - 6.0	---	---	---	---
	35-37	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
Ch:								
Chavies	0-10	---	---	4.5 - 7.3	---	---	---	---
	10-54	---	---	4.5 - 7.3	---	---	---	---
	54-64	---	---	4.5 - 6.0	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
CpB:								
Cookport	0-9	---	---	4.5 - 5.5	---	---	---	---
	9-22	---	---	3.6 - 5.5	---	---	---	---
	22-41	---	---	3.6 - 5.5	---	---	---	---
	41-48	---	---	3.6 - 5.5	---	---	---	---
	48-50	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
CuB:								
Culleoka	0-9	---	---	5.1 - 6.0	---	---	---	---
	9-29	---	---	5.1 - 6.0	---	---	---	---
	29-35	---	---	5.1 - 6.5	---	---	---	---
	35-36	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
CuC:								
Culleoka	0-9	---	---	5.1 - 6.0	---	---	---	---
	9-29	---	---	5.1 - 6.0	---	---	---	---
	29-35	---	---	5.1 - 6.5	---	---	---	---
	35-36	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
CuD:								
Culleoka	0-9	---	---	5.1 - 6.0	---	---	---	---
	9-29	---	---	5.1 - 6.0	---	---	---	---
	29-35	---	---	5.1 - 6.5	---	---	---	---
	35-36	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Greenbrier County, West Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate Exchange	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
CuD:								
Other Soils	---	---	---	---	---	---	---	---
CyE:								
Culleoka	0-9	---	---	5.1 - 6.0	---	---	---	---
	9-29	---	---	5.1 - 6.0	---	---	---	---
	29-35	---	---	5.1 - 6.5	---	---	---	---
	35-36	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
CyF:								
Culleoka	0-9	---	---	5.1 - 6.0	---	---	---	---
	9-29	---	---	5.1 - 6.0	---	---	---	---
	29-35	---	---	5.1 - 6.5	---	---	---	---
	35-36	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
DeC:								
Dekalb	0-4	---	---	3.6 - 6.5	---	---	---	---
	4-23	---	---	3.6 - 5.5	---	---	---	---
	23-33	---	---	3.6 - 5.5	---	---	---	---
	33-35	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
DeE:								
Dekalb	0-4	---	---	3.6 - 6.5	---	---	---	---
	4-23	---	---	3.6 - 5.5	---	---	---	---
	23-33	---	---	3.6 - 5.5	---	---	---	---
	33-35	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
DeF:								
Dekalb	0-4	---	---	3.6 - 6.5	---	---	---	---
	4-23	---	---	3.6 - 5.5	---	---	---	---
	23-33	---	---	3.6 - 5.5	---	---	---	---
	33-35	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
DhC:								
Dekalb	0-4	---	10-18	3.6 - 6.5	---	---	---	---
	4-23	---	5.0-10	3.6 - 5.5	---	---	---	---
	23-33	---	5.0-10	3.6 - 5.5	---	---	---	---
	33-35	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Greenbrier County, West Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate Exchange	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
DhC:								
Hazleton	0-4	---	15-30	3.6 - 5.5	---	---	---	---
	4-31	---	5.0-15	3.6 - 5.5	---	---	---	---
	31-51	---	3.0-8.0	3.6 - 5.5	---	---	---	---
	51-52	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
DhE:								
Dekalb	0-4	---	10-18	3.6 - 6.5	---	---	---	---
	4-23	---	5.0-10	3.6 - 5.5	---	---	---	---
	23-33	---	5.0-10	3.6 - 5.5	---	---	---	---
	33-35	---	---	---	---	---	---	---
Hazleton	0-4	---	15-30	3.6 - 5.5	---	---	---	---
	4-31	---	5.0-15	3.6 - 5.5	---	---	---	---
	31-51	---	3.0-8.0	3.6 - 5.5	---	---	---	---
	51-52	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	
DhF:								
Dekalb	0-4	---	10-18	3.6 - 6.5	---	---	---	---
	4-23	---	5.0-10	3.6 - 5.5	---	---	---	---
	23-33	---	5.0-10	3.6 - 5.5	---	---	---	---
	33-35	---	---	---	---	---	---	---
Hazleton	0-4	---	15-30	3.6 - 5.5	---	---	---	---
	4-31	---	5.0-15	3.6 - 5.5	---	---	---	---
	31-51	---	3.0-8.0	3.6 - 5.5	---	---	---	---
	51-52	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	
DkF:								
Dekalb	0-4	---	---	3.6 - 6.5	---	---	---	---
	4-23	---	---	3.6 - 5.5	---	---	---	---
	23-33	---	---	3.6 - 5.5	---	---	---	---
	33-35	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	
Other Soils	---	---	---	---	---	---	---	
Du:								
Dunning	0-20	---	---	5.6 - 7.8	---	---	---	---
	20-64	---	---	5.6 - 7.8	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Greenbrier County, West Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate Exchange	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
Du:								
Other Soils	---	---	---	---	---	---	---	---
EIF:								
Elliber	0-7	---	8.0-22	3.6 - 5.5	---	---	---	---
	7-64	---	7.0-18	3.6 - 5.5	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
ErB:								
Ernest	0-8	---	---	4.5 - 6.0	---	---	---	---
	8-28	---	---	4.5 - 5.5	---	---	---	---
	28-43	---	---	4.5 - 5.5	---	---	---	---
	43-64	---	---	4.5 - 5.5	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
EsC:								
Ernest	0-4	---	---	4.5 - 5.5	---	---	---	---
	4-28	---	---	4.5 - 5.5	---	---	---	---
	28-43	---	---	4.5 - 5.5	---	---	---	---
	43-64	---	---	4.5 - 5.5	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
FaE:								
Faywood	0-8	---	---	5.1 - 7.8	---	---	---	---
	8-28	---	---	5.1 - 7.8	---	---	---	---
	28-29	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
FaF:								
Faywood	0-8	---	---	5.1 - 7.8	---	---	---	---
	8-28	---	---	5.1 - 7.8	---	---	---	---
	28-29	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
FkB:								
Frankstown	0-4	---	---	5.1 - 6.0	---	---	---	---
	4-35	---	---	4.5 - 6.0	---	---	---	---
	35-44	---	---	4.5 - 6.0	---	---	---	---
	44-46	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
FkC:								

Table J2. - Chemical Properties of the Soils - Continued

Greenbrier County, West Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate Exchange	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
FkC:								
Frankstown	0-4	---	---	5.1 - 6.0	---	---	---	---
	4-35	---	---	4.5 - 6.0	---	---	---	---
	35-44	---	---	4.5 - 6.0	---	---	---	---
	44-46	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
FkD:								
Frankstown	0-4	---	---	5.1 - 6.0	---	---	---	---
	4-35	---	---	4.5 - 6.0	---	---	---	---
	35-44	---	---	4.5 - 6.0	---	---	---	---
	44-46	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
FoC:								
Frankstown	0-4	---	---	5.1 - 6.0	---	---	---	---
	4-35	---	---	4.5 - 6.0	---	---	---	---
	35-44	---	---	4.5 - 6.0	---	---	---	---
	44-46	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
FoE:								
Frankstown	0-4	---	---	5.1 - 6.0	---	---	---	---
	4-35	---	---	4.5 - 6.0	---	---	---	---
	35-44	---	---	4.5 - 6.0	---	---	---	---
	44-46	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
FrB:								
Frederick	0-8	---	---	4.5 - 6.0	---	---	---	---
	8-29	---	---	4.5 - 6.0	---	---	---	---
	29-79	---	---	4.5 - 6.0	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
FrC:								
Frederick	0-8	---	---	4.5 - 6.0	---	---	---	---
	8-29	---	---	4.5 - 6.0	---	---	---	---
	29-79	---	---	4.5 - 6.0	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
FrD:								

Table J2. - Chemical Properties of the Soils - Continued

Greenbrier County, West Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate Exchange	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
FrD:								
Frederick	0-8	---	---	4.5 - 6.0	---	---	---	---
	8-29	---	---	4.5 - 6.0	---	---	---	---
	29-79	---	---	4.5 - 6.0	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
FyC:								
Frederick	0-8	---	---	4.5 - 6.0	---	---	---	---
	8-29	---	---	4.5 - 6.0	---	---	---	---
	29-79	---	---	4.5 - 6.0	---	---	---	---
Caneyville	0-3	15-20	---	5.1 - 7.3	0	0	0.0	0
	3-10	15-25	---	5.1 - 7.3	0	0	0.0	0
	10-24	18-30	---	5.6 - 7.8	0	0	0.0	0
	24-25	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
FyE:								
Caneyville	0-3	---	---	4.5 - 7.3	---	---	---	---
	3-10	---	---	4.5 - 7.3	---	---	---	---
	10-24	---	---	5.6 - 7.8	---	---	---	---
	24-25	---	---	---	---	---	---	---
Frederick	0-8	---	---	4.5 - 6.0	---	---	---	---
	8-29	---	---	4.5 - 6.0	---	---	---	---
	29-79	---	---	4.5 - 6.0	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
GaC:								
Gauley	0-12	---	---	3.6 - 5.5	---	---	---	---
	12-26	---	---	3.6 - 5.5	---	---	---	---
	26-37	---	---	3.6 - 5.5	---	---	---	---
	37-39	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
GaE:								
Gauley	0-12	---	---	3.6 - 5.5	---	---	---	---
	12-26	---	---	3.6 - 5.5	---	---	---	---
	26-37	---	---	3.6 - 5.5	---	---	---	---
	37-39	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
GnC:								

Table J2. - Chemical Properties of the Soils - Continued

Greenbrier County, West Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate Exchange	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
GnC:								
Gilpin	0-3	---	---	3.6 - 5.5	---	---	---	---
	3-26	---	---	3.6 - 5.5	---	---	---	---
	26-35	---	---	3.6 - 5.5	---	---	---	---
	35-36	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
GnD:								
Gilpin	0-3	---	---	3.6 - 5.5	---	---	---	---
	3-26	---	---	3.6 - 5.5	---	---	---	---
	26-35	---	---	3.6 - 5.5	---	---	---	---
	35-36	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
GpC:								
Gilpin	0-3	---	---	3.6 - 5.5	---	---	---	---
	3-26	---	---	3.6 - 5.5	---	---	---	---
	26-35	---	---	3.6 - 5.5	---	---	---	---
	35-36	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
GpE:								
Gilpin	0-3	---	---	3.6 - 5.5	---	---	---	---
	3-26	---	---	3.6 - 5.5	---	---	---	---
	26-35	---	---	3.6 - 5.5	---	---	---	---
	35-36	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
Ho:								
Holly	0-4	---	---	5.6 - 7.3	---	---	---	---
	4-41	---	---	5.1 - 7.3	---	---	---	---
	41-64	---	---	5.6 - 7.8	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
KxF:								
Kaymine	0-13	---	---	5.6 - 7.8	---	---	---	---
	13-64	---	---	5.6 - 7.8	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
LcC:								

Table J2. - Chemical Properties of the Soils - Continued

Greenbrier County, West Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate Exchange	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
LcC:								
Leatherbark	0-7	---	---	3.6 - 5.5	---	---	---	---
	7-37	---	---	3.6 - 5.5	---	---	---	---
	37-39	---	---	3.6 - 5.5	---	---	---	---
	39-41	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
LgB:								
Lily	0-8	---	---	3.6 - 5.5	---	---	---	---
	8-25	---	---	3.6 - 5.5	---	---	---	---
	25-33	---	---	3.6 - 5.5	---	---	---	---
	33-34	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
LgC:								
Lily	0-8	---	---	3.6 - 5.5	---	---	---	---
	8-25	---	---	3.6 - 5.5	---	---	---	---
	25-33	---	---	3.6 - 5.5	---	---	---	---
	33-34	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
LhE:								
Lily	0-8	---	---	3.6 - 5.5	---	---	---	---
	8-25	---	---	3.6 - 5.5	---	---	---	---
	25-33	---	---	3.6 - 5.5	---	---	---	---
	33-34	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
Lo:								
Lobdell	0-10	---	---	5.1 - 7.3	---	---	---	---
	10-28	---	---	5.1 - 7.3	---	---	---	---
	28-64	---	---	5.6 - 7.3	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
MaB:								
Macove	0-8	---	4.0-10	4.5 - 6.0	---	---	---	---
	8-37	---	7.0-12	4.5 - 6.0	---	---	---	---
	37-64	---	8.0-14	4.5 - 6.0	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
MaC:								

Table J2. - Chemical Properties of the Soils - Continued

Greenbrier County, West Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate Exchange	Gypsum	Salinity	Sodium Adsorption Ratio
		In meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
MaC:								
Macove	0-8	---	4.0-10	4.5 - 6.0	---	---	---	---
	8-37	---	7.0-12	4.5 - 6.0	---	---	---	---
	37-64	---	8.0-14	4.5 - 6.0	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
MaD:								
Macove	0-8	---	4.0-10	4.5 - 6.0	---	---	---	---
	8-37	---	7.0-12	4.5 - 6.0	---	---	---	---
	37-64	---	8.0-14	4.5 - 6.0	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
McC:								
Macove	0-4	---	4.0-10	4.5 - 6.0	---	---	---	---
	4-37	---	7.0-12	4.5 - 6.0	---	---	---	---
	37-64	---	8.0-14	4.5 - 6.0	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
McE:								
Macove	0-4	---	4.0-10	4.5 - 6.0	---	---	---	---
	4-37	---	7.0-12	4.5 - 6.0	---	---	---	---
	37-64	---	8.0-14	4.5 - 6.0	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
MeF:								
Macove	0-8	---	4.0-10	4.5 - 6.0	0	0	0.0	0
	8-37	---	7.0-12	4.5 - 6.0	0	0	0.0	0
	37-64	---	8.0-14	4.5 - 6.0	0	0	0.0	0
Gilpin	0-3	---	---	3.6 - 5.5	---	---	---	---
	3-26	---	---	3.6 - 5.5	---	---	---	---
	26-35	---	---	3.6 - 5.5	---	---	---	---
	35-36	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
MkC:								
Mandy	0-6	---	---	3.6 - 5.5	---	---	---	---
	6-29	---	---	3.6 - 5.5	---	---	---	---
	29-37	---	---	3.6 - 5.5	---	---	---	---
	37-38	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
MkE:								

Table J2. - Chemical Properties of the Soils - Continued

Greenbrier County, West Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate Exchange	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
MkE:								
Mandy	0-6	---	---	3.6 - 5.5	---	---	---	---
	6-29	---	---	3.6 - 5.5	---	---	---	---
	29-37	---	---	3.6 - 5.5	---	---	---	---
	37-38	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
MkF:								
Mandy	0-5	---	---	3.6 - 5.5	---	---	---	---
	5-29	---	---	3.6 - 5.5	---	---	---	---
	29-37	---	---	3.6 - 5.5	---	---	---	---
	37-38	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
MkG:								
Mandy	0-5	---	---	3.6 - 5.5	---	---	---	---
	5-29	---	---	3.6 - 5.5	---	---	---	---
	29-37	---	---	3.6 - 5.5	---	---	---	---
	37-38	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
Ml:								
Melvin	0-10	---	---	5.6 - 7.8	---	---	---	---
	10-57	---	---	5.6 - 7.8	---	---	---	---
	57-64	---	---	5.6 - 7.8	---	---	---	---
Lindside	0-9	---	---	5.1 - 7.8	---	---	---	---
	9-59	---	---	5.1 - 7.8	---	---	---	---
	59-64	---	---	5.6 - 7.8	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
MzC:								
Mertz	0-5	15-25	---	5.1 - 7.3	---	---	---	---
	5-55	8.0-15	---	5.1 - 6.0	---	---	---	---
	55-64	---	8.0-15	4.5 - 5.5	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
MzE:								
Mertz	0-3	15-25	---	5.1 - 7.3	---	---	---	---
	3-55	8.0-15	---	5.1 - 6.0	---	---	---	---
	55-64	---	8.0-15	4.5 - 5.5	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Greenbrier County, West Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate Exchange	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
No:								
Nolin	0-5	6.0-15	---	5.6 - 8.4	---	---	---	---
	5-64	6.0-20	---	5.6 - 8.4	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
Ph:								
Philo	0-8	---	---	4.5 - 6.0	---	---	---	---
	8-37	---	---	4.5 - 6.0	---	---	---	---
	37-64	---	---	4.5 - 6.0	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
Po:								
Pope	0-10	---	---	3.6 - 5.5	---	---	---	---
	10-39	---	---	3.6 - 5.5	---	---	---	---
	39-64	---	---	3.6 - 5.5	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
Pt:								
Potomac	0-6	---	---	5.1 - 7.8	---	---	---	---
	6-59	---	---	5.1 - 7.8	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
PuA:								
Purdy	0-8	---	---	3.6 - 5.5	---	---	---	---
	8-30	---	---	3.6 - 5.5	---	---	---	---
	30-64	---	---	3.6 - 5.5	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
Qu:								
Quarry	---	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
Se:								
Sensabaugh	0-6	---	---	5.6 - 7.8	---	---	---	---
	6-24	---	---	5.6 - 7.8	---	---	---	---
	24-33	---	---	5.6 - 7.8	---	---	---	---
	33-64	---	---	5.6 - 7.8	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
SfB:								

Table J2. - Chemical Properties of the Soils - Continued

Greenbrier County, West Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate Exchange	Gypsum	Salinity	Sodium Adsorption Ratio
		In meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
SfB:								
Shouns	0-3	---	---	5.1 - 6.0	---	---	---	---
	3-8	---	---	5.1 - 6.0	---	---	---	---
	8-53	---	---	5.1 - 6.0	---	---	---	---
	53-64	---	---	5.1 - 6.0	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
SfC:								
Shouns	0-3	---	---	5.1 - 6.0	---	---	---	---
	3-8	---	---	5.1 - 6.0	---	---	---	---
	8-53	---	---	5.1 - 6.0	---	---	---	---
	53-64	---	---	5.1 - 6.0	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
ShC:								
Shouns	0-3	---	---	5.1 - 6.0	---	---	---	---
	3-53	---	---	5.1 - 6.0	---	---	---	---
	53-64	---	---	5.1 - 6.0	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
ShE:								
Shouns	0-3	---	---	5.1 - 6.0	---	---	---	---
	3-53	---	---	5.1 - 6.0	---	---	---	---
	53-64	---	---	5.1 - 6.0	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
ShF:								
Shouns	0-3	---	---	5.1 - 6.0	---	---	---	---
	3-53	---	---	5.1 - 6.0	---	---	---	---
	53-64	---	---	5.1 - 6.0	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
SmC:								
Simoda	0-4	---	---	3.6 - 5.5	---	---	---	---
	4-29	---	---	3.6 - 5.5	---	---	---	---
	29-39	---	---	3.6 - 5.5	---	---	---	---
	39-47	---	---	3.6 - 5.5	---	---	---	---
	47-48	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
SoC:								

Table J2. - Chemical Properties of the Soils - Continued

Greenbrier County, West Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate Exchange	Gypsum	Salinity	Sodium Adsorption Ratio
		In meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
SoC:								
Snowdog	0-4	---	---	3.6 - 5.5	---	---	---	---
	4-18	---	---	3.6 - 5.5	---	---	---	---
	18-41	---	---	3.6 - 5.5	---	---	---	---
	41-66	---	---	3.6 - 5.5	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
SoE:								
Snowdog	0-4	---	---	3.6 - 5.5	---	---	---	---
	4-18	---	---	3.6 - 5.5	---	---	---	---
	18-41	---	---	3.6 - 5.5	---	---	---	---
	41-66	---	---	3.6 - 5.5	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
SoF:								
Snowdog	0-4	---	---	3.6 - 5.5	---	---	---	---
	4-18	---	---	3.6 - 5.5	---	---	---	---
	18-41	---	---	3.6 - 5.5	---	---	---	---
	41-66	---	---	3.6 - 5.5	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
SvC:								
Summers	0-13	---	---	4.5 - 5.5	---	---	---	---
	13-28	---	---	4.5 - 5.5	---	---	---	---
	28-30	---	---	4.5 - 5.5	---	---	---	---
	30-31	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
Tp:								
Tioga	0-8	12-28	---	5.1 - 7.3	---	---	---	---
	8-29	3.0-15	---	5.1 - 7.3	---	---	---	---
	29-64	3.0-15	---	5.6 - 7.8	---	---	---	---
Potomac	0-6	---	---	5.1 - 7.8	---	---	---	---
	6-59	---	---	5.1 - 7.8	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
TrC:								
Trussel	0-6	---	---	3.6 - 5.5	---	---	---	---
	6-20	---	---	3.6 - 5.5	---	---	---	---
	20-37	---	---	3.6 - 5.5	---	---	---	---
	37-66	---	---	3.6 - 5.5	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Greenbrier County, West Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate Exchange	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
TrC:								
Uf:								
Udfluvents	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
Ux:								
Udorthents	---	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
W:								
Water	---	---	---	---	---	---	---	---
W:								
Water	---	---	---	---	---	---	---	---
WeC:								
Weikert	0-7	---	6.0-20	4.5 - 6.0	---	---	---	---
	7-16	---	6.0-15	4.5 - 6.0	---	---	---	---
	16-17	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
WeD:								
Weikert	0-6	---	6.0-20	4.5 - 6.0	---	---	---	---
	6-16	---	6.0-15	4.5 - 6.0	---	---	---	---
	16-17	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
WeF:								
Weikert	0-6	---	6.0-20	4.5 - 6.0	---	---	---	---
	6-16	---	6.0-15	4.5 - 6.0	---	---	---	---
	16-17	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
WrG:								
Weikert	0-7	---	6.0-20	4.5 - 5.5	0	0	0.0	0
	7-16	---	6.0-15	3.6 - 5.5	0	0	0.0	0
	16-17	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Greenbrier County, West Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate Exchange	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
WrG:								
Berks	0-3	---	5.0-15	3.6 - 6.5	---	---	---	---
	3-23	---	5.0-10	3.6 - 6.5	---	---	---	---
	23-30	---	5.0-10	3.6 - 6.5	---	---	---	---
	30-31	---	---	---	---	---	---	---
Rough	0-1	---	1.0-10	3.6 - 5.0	0	0	0.0	0
	1-4	---	1.0-10	3.6 - 5.0	0	0	0.0	0
	4-7	---	1.0-10	3.6 - 5.0	0	0	0.0	0
	7-8	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
ZoA:								
Zoar	0-8	---	---	4.5 - 5.5	---	---	---	---
	8-43	---	---	4.5 - 5.5	---	---	---	---
	43-64	---	---	4.5 - 5.5	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---