

(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
		meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
B1B2: Beltsville-----	0-14	---	---	3.6-5.5	---	---	0	---
	14-25	---	---	3.6-5.5	---	---	0	---
	25-50	---	---	3.6-5.5	---	---	0	---
	50-72	---	---	3.6-5.5	---	---	0	---
B1C3: Beltsville-----	0-14	---	---	3.6-5.5	---	---	0	---
	14-25	---	---	3.6-5.5	---	---	0	---
	25-50	---	---	3.6-5.5	---	---	0	---
	50-72	---	---	3.6-5.5	---	---	0	---
BtA: Butlertown-----	0-16	---	---	4.5-6.0	---	---	0	---
	16-34	---	---	4.5-6.0	---	---	0	---
	34-49	---	---	4.5-6.0	---	---	0	---
	49-60	---	---	4.5-5.5	---	---	0	---
BtB2: Butlertown-----	0-16	---	---	4.5-6.0	---	---	0	---
	16-34	---	---	4.5-6.0	---	---	0	---
	34-49	---	---	4.5-6.0	---	---	0	---
	49-60	---	---	4.5-5.5	---	---	0	---
BtC3: Butlertown-----	0-16	---	---	4.5-6.0	---	---	0	---
	16-34	---	---	4.5-6.0	---	---	0	---
	34-49	---	---	4.5-6.0	---	---	0	---
	49-60	---	---	4.5-5.5	---	---	0	---
Co: Coastal Beaches-----	0-6	---	---	5.1-7.8	0	0	4.0-16.0	0
	6-60	---	---	5.1-7.8	0	0	4.0-16.0	0
Ek: Elkton-----	0-10	---	5.0-10	3.6-5.5	0	0	0	0
	10-24	---	2.0-10	3.6-5.5	0	0	0	0
	24-40	---	2.0-10	3.6-5.5	0	0	0	0
	40-65	---	2.0-10	3.6-5.5	0	0	0	0
Elkton-----	0-10	---	5.0-10	3.6-5.5	0	0	0	0
	10-24	---	2.0-10	3.6-5.5	0	0	0	0
	24-40	---	2.0-10	3.6-5.5	0	0	0	0
	40-65	---	2.0-10	3.6-5.5	0	0	0	0
ErE: Eroded Land-----	0-9	---	2.0-10	3.6-5.5	0	0	0	0
	9-40	---	1.0-5.0	3.6-5.5	0	0	0	0
	40-70	---	1.0-5.0	3.6-5.5	0	0	0	0
Es: Escarpments-----	0-9	---	2.0-10	3.6-5.5	0	0	0	0
	9-40	---	1.0-5.0	3.6-5.5	0	0	0	0
	40-70	---	1.0-5.0	3.6-5.5	0	0	0	0
EvB: Evesboro-----	0-16	---	1.0-3.0	3.6-5.0	---	---	---	---
	16-40	---	1.0-2.0	3.6-5.0	0	0	0	0
	40-72	---	1.0-3.0	4.5-5.0	0	0	0	0

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

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	
EvC: Evesboro-----	0-16	---	1.0-3.0	3.6-5.0	---	---	---	---
	16-40	---	1.0-2.0	3.6-5.0	0	0	0	0
	40-72	---	1.0-3.0	4.5-5.0	0	0	0	0
EvE: Evesboro-----	0-16	---	1.0-3.0	3.6-5.0	---	---	---	---
	16-40	---	1.0-2.0	3.6-5.0	0	0	0	0
	40-72	---	1.0-3.0	4.5-5.0	0	0	0	0
FsA: Fallsington-----	0-10	---	2.0-5.0	3.6-5.5	0	0	0	0
	10-32	---	1.0-3.0	3.6-5.5	0	0	0	0
	32-72	---	1.0-3.0	3.6-5.5	0	0	0	0
Fallsington-----	0-10	---	2.0-5.0	3.6-5.5	0	0	0	0
	10-32	---	1.0-3.0	3.6-5.5	0	0	0	0
	32-72	---	1.0-3.0	3.6-5.5	0	0	0	0
FsB: Fallsington-----	0-10	---	2.0-5.0	3.6-5.5	0	0	0	0
	10-32	---	1.0-3.0	3.6-5.5	0	0	0	0
	32-72	---	1.0-3.0	3.6-5.5	0	0	0	0
Fallsington-----	0-10	---	2.0-5.0	3.6-5.5	0	0	0	0
	10-32	---	1.0-3.0	3.6-5.5	0	0	0	0
	32-72	---	1.0-3.0	3.6-5.5	0	0	0	0
Gp: Gravel And Borrow Pits-----	0-6	---	---	---	---	---	0	---
	6-60	---	---	---	---	---	0	---
HoB2: Howell-----	0-8	---	---	3.6-5.0	---	---	0	---
	8-14	---	---	3.6-5.0	---	---	0	---
	14-46	---	---	3.6-5.0	---	---	0	---
	46-60	---	---	3.6-5.0	---	---	0	---
HoC2: Howell-----	0-8	---	---	3.6-5.0	---	---	0	---
	8-14	---	---	3.6-5.0	---	---	0	---
	14-46	---	---	3.6-5.0	---	---	0	---
	46-60	---	---	3.6-5.0	---	---	0	---
HoD2: Howell-----	0-8	---	---	3.6-5.0	---	---	0	---
	8-14	---	---	3.6-5.0	---	---	0	---
	14-46	---	---	3.6-5.0	---	---	0	---
	46-60	---	---	3.6-5.0	---	---	0	---
HwB2: Howell-----	0-8	---	---	3.6-5.0	---	---	0	---
	8-14	---	---	3.6-5.0	---	---	0	---
	14-46	---	---	3.6-5.0	---	---	0	---
	46-60	---	---	3.6-5.0	---	---	0	---

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

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	
HyC3:								
Howell-----	0-8	---	---	3.6-5.0	---	---	0	---
	8-14	---	---	3.6-5.0	---	---	0	---
	14-46	---	---	3.6-5.0	---	---	0	---
	46-60	---	---	3.6-5.0	---	---	0	---
HyD3:								
Howell-----	0-8	---	---	3.6-5.0	---	---	0	---
	8-14	---	---	3.6-5.0	---	---	0	---
	14-46	---	---	3.6-5.0	---	---	0	---
	46-60	---	---	3.6-5.0	---	---	0	---
ImB:								
Iuka-----	0-13	---	---	5.1-6.0	---	---	0	---
	13-22	---	---	4.5-5.5	---	---	0	---
	22-60	---	---	4.5-5.5	---	---	0	---
KpA:								
Keyport-----	0-10	---	6.0-14	3.6-5.5	0	0	0	0
	10-60	---	12-20	4.5-5.5	0	0	0	0
	60-72	---	2.0-16	3.6-5.5	0	0	0	0
KpB2:								
Keyport-----	0-10	---	6.0-14	3.6-5.5	0	0	0	0
	10-60	---	12-20	4.5-5.5	0	0	0	0
	60-72	---	2.0-16	3.6-5.5	0	0	0	0
Ma:								
Made Land-----	0-6	---	---	---	---	---	0	---
M1A:								
Marr-----	0-12	---	---	5.1-5.5	---	---	0	---
	12-34	---	---	4.5-5.5	---	---	0	---
	34-60	---	---	4.5-5.5	---	---	0	---
M1B2:								
Marr-----	0-12	---	---	5.1-5.5	---	---	0	---
	12-34	---	---	4.5-5.5	---	---	0	---
	34-60	---	---	4.5-5.5	---	---	0	---
M1C2:								
Marr-----	0-12	---	---	5.1-5.5	---	---	0	---
	12-34	---	---	4.5-5.5	---	---	0	---
	34-60	---	---	4.5-5.5	---	---	0	---
M1C3:								
Marr-----	0-12	---	---	5.1-5.5	---	---	0	---
	12-34	---	---	4.5-5.5	---	---	0	---
	34-60	---	---	4.5-5.5	---	---	0	---
M1D3:								
Marr-----	0-12	---	---	5.1-5.5	---	---	0	---
	12-34	---	---	4.5-5.5	---	---	0	---
	34-60	---	---	4.5-5.5	---	---	0	---
MmA:								
Matapeake-----	0-16	---	---	4.5-5.5	---	---	0	---
	16-34	---	---	3.6-5.5	---	---	0	---
	34-62	---	---	3.6-5.5	---	---	0	---

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

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	
MmB2:								
Matapeake-----	0-16	---	---	4.5-5.5	---	---	0	---
	16-34	---	---	3.6-5.5	---	---	0	---
	34-62	---	---	3.6-5.5	---	---	0	---
MnA:								
Matapeake-----	0-16	---	---	4.5-5.5	---	---	0	---
	16-34	---	---	3.6-5.5	---	---	0	---
	34-62	---	---	3.6-5.5	---	---	0	---
MnB2:								
Matapeake-----	0-16	---	---	4.5-5.5	---	---	0	---
	16-34	---	---	3.6-5.5	---	---	0	---
	34-62	---	---	3.6-5.5	---	---	0	---
MnC2:								
Matapeake-----	0-16	---	---	4.5-5.5	---	---	0	---
	16-34	---	---	3.6-5.5	---	---	0	---
	34-62	---	---	3.6-5.5	---	---	0	---
MnC3:								
Matapeake-----	0-16	---	---	4.5-5.5	---	---	0	---
	16-34	---	---	3.6-5.5	---	---	0	---
	34-62	---	---	3.6-5.5	---	---	0	---
MnD3:								
Matapeake-----	0-16	---	---	4.5-5.5	---	---	0	---
	16-34	---	---	3.6-5.5	---	---	0	---
	34-62	---	---	3.6-5.5	---	---	0	---
MtA:								
Mattapex-----	0-15	---	2.0-15	3.6-5.5	0	0	0	0
	15-36	---	2.0-10	3.6-5.5	0	0	0	0
	36-60	---	2.0-5.0	3.6-5.5	0	0	0	0
	60-65	---	2.0-5.0	3.6-5.5	0	0	0	0
MtB2:								
Mattapex-----	0-15	---	2.0-15	3.6-5.5	0	0	0	0
	15-36	---	2.0-10	3.6-5.5	0	0	0	0
	36-60	---	2.0-5.0	3.6-5.5	0	0	0	0
	60-65	---	2.0-5.0	3.6-5.5	0	0	0	0
MuA:								
Mattapex-----	0-15	---	2.0-15	3.6-5.5	0	0	0	0
	15-36	---	2.0-10	3.6-5.5	0	0	0	0
	36-60	---	2.0-5.0	3.6-5.5	0	0	0	0
	60-65	---	2.0-5.0	3.6-5.5	0	0	0	0
MuB2:								
Mattapex-----	0-15	---	2.0-15	3.6-5.5	0	0	0	0
	15-36	---	2.0-10	3.6-5.5	0	0	0	0
	36-60	---	2.0-5.0	3.6-5.5	0	0	0	0
	60-65	---	2.0-5.0	3.6-5.5	0	0	0	0
MuD3:								
Mattapex-----	0-15	---	2.0-15	3.6-5.5	0	0	0	0
	15-36	---	2.0-10	3.6-5.5	0	0	0	0
	36-60	---	2.0-5.0	3.6-5.5	0	0	0	0
	60-65	---	2.0-5.0	3.6-5.5	0	0	0	0

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

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	
My:								
Mixed Alluvial Land--	0-6	---	---	3.6-7.3	---	---	0	---
	6-42	---	---	3.6-7.3	---	---	0	---
	42-60	---	---	4.5-6.5	---	---	0	---
OcB:								
Ochlockonee-----	0-6	---	---	4.5-6.5	0	0	0	0
	6-44	---	---	4.5-5.5	0	0	0	0
	44-72	---	---	4.5-5.5	0	0	0	0
OtA:								
Othello-----	0-9	---	8.0-20	4.5-5.5	0	0	0	0
	9-29	---	5.0-15	3.6-5.5	0	0	0	0
	29-50	---	1.0-5.0	3.6-5.5	0	0	0	0
	50-72	---	1.0-5.0	3.6-5.5	0	0	0	0
OtB:								
Othello-----	0-9	---	8.0-20	4.5-5.5	0	0	0	0
	9-29	---	5.0-15	3.6-5.5	0	0	0	0
	29-50	---	1.0-5.0	3.6-5.5	0	0	0	0
	50-72	---	1.0-5.0	3.6-5.5	0	0	0	0
RdB:								
Rumford-----	0-17	---	---	3.6-5.5	0	0	0	0
	17-37	---	---	3.6-6.0	0	0	0	0
	37-60	---	---	3.6-6.5	0	0	0	0
RdC2:								
Rumford-----	0-17	---	---	3.6-5.5	0	0	0	0
	17-37	---	---	3.6-6.0	0	0	0	0
	37-60	---	---	3.6-6.5	0	0	0	0
RdD2:								
Rumford-----	0-17	---	---	3.6-5.5	0	0	0	0
	17-37	---	---	3.6-6.0	0	0	0	0
	37-60	---	---	3.6-6.5	0	0	0	0
ReB:								
Rumford-----	0-18	---	---	3.6-5.5	---	---	---	---
	18-30	---	---	3.6-5.5	0	0	0	0
	30-40	---	---	3.6-5.5	0	0	0	0
	40-60	---	---	3.6-5.5	0	0	0	0
Evesboro-----	0-40	---	---	3.6-5.5	---	---	0	---
	40-60	---	---	3.6-5.5	---	---	0	---
ReC:								
Rumford-----	0-9	---	---	3.6-5.5	---	---	0	---
	9-40	---	---	3.6-5.5	---	---	0	---
	40-70	---	---	3.6-5.5	---	---	0	---
Evesboro-----	0-40	---	---	3.6-5.5	---	---	0	---
	40-60	---	---	3.6-5.5	---	---	0	---
ReD:								
Evesboro-----	0-40	---	---	3.6-5.5	---	---	0	---
	40-60	---	---	3.6-5.5	---	---	0	---
Rumford-----	0-9	---	---	3.6-5.5	---	---	0	---
	9-40	---	---	3.6-5.5	---	---	0	---
	40-70	---	---	3.6-5.5	---	---	0	---

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

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	
SaA: Sassafras-----	0-9	---	2.0-10	3.6-5.5	0	0	0	0
	9-40	---	1.0-5.0	3.6-5.5	0	0	0	0
	40-70	---	1.0-5.0	3.6-5.5	0	0	0	0
SaB2: Sassafras-----	0-9	---	2.0-10	3.6-5.5	0	0	0	0
	9-40	---	1.0-5.0	3.6-5.5	0	0	0	0
	40-70	---	1.0-5.0	3.6-5.5	0	0	0	0
SaC2: Sassafras-----	0-9	---	2.0-10	3.6-5.5	0	0	0	0
	9-40	---	1.0-5.0	3.6-5.5	0	0	0	0
	40-70	---	1.0-5.0	3.6-5.5	0	0	0	0
ShA: Sassafras-----	0-9	---	2.0-10	3.6-5.5	0	0	0	0
	9-40	---	1.0-5.0	3.6-5.5	0	0	0	0
	40-70	---	1.0-5.0	3.6-5.5	0	0	0	0
ShB2: Sassafras-----	0-9	---	2.0-10	3.6-5.5	0	0	0	0
	9-40	---	1.0-5.0	3.6-5.5	0	0	0	0
	40-70	---	1.0-5.0	3.6-5.5	0	0	0	0
ShC2: Sassafras-----	0-9	---	2.0-10	3.6-5.5	0	0	0	0
	9-40	---	1.0-5.0	3.6-5.5	0	0	0	0
	40-70	---	1.0-5.0	3.6-5.5	0	0	0	0
ShC3: Sassafras-----	0-9	---	2.0-10	3.6-5.5	0	0	0	0
	9-40	---	1.0-5.0	3.6-5.5	0	0	0	0
	40-70	---	1.0-5.0	3.6-5.5	0	0	0	0
ShD2: Sassafras-----	0-9	---	2.0-10	3.6-5.5	0	0	0	0
	9-40	---	1.0-5.0	3.6-5.5	0	0	0	0
	40-70	---	1.0-5.0	3.6-5.5	0	0	0	0
ShD3: Sassafras-----	0-9	---	2.0-10	3.6-5.5	0	0	0	0
	9-40	---	1.0-5.0	3.6-5.5	0	0	0	0
	40-70	---	1.0-5.0	3.6-5.5	0	0	0	0
SlA: Sassafras-----	0-9	---	2.0-10	3.6-5.5	0	0	0	0
	9-40	---	1.0-5.0	3.6-5.5	0	0	0	0
	40-70	---	1.0-5.0	3.6-5.5	0	0	0	0
SlB2: Sassafras-----	0-9	---	2.0-10	3.6-5.5	0	0	0	0
	9-40	---	1.0-5.0	3.6-5.5	0	0	0	0
	40-70	---	1.0-5.0	3.6-5.5	0	0	0	0
SlC3: Sassafras-----	0-9	---	2.0-10	3.6-5.5	0	0	0	0
	9-40	---	1.0-5.0	3.6-5.5	0	0	0	0
	40-70	---	1.0-5.0	3.6-5.5	0	0	0	0

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

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	
SpB2:								
Sassafras-----	0-9	---	---	3.6-5.5	---	---	0	---
	9-40	---	---	3.6-5.5	---	---	0	---
	40-70	---	---	3.6-5.5	---	---	0	---
Westphalia-----	0-10	---	---	3.6-5.5	---	---	0	---
	10-28	---	---	3.6-5.5	---	---	0	---
	28-72	---	---	3.6-5.5	---	---	0	---
SpC3:								
Sassafras-----	0-9	---	---	3.6-5.5	---	---	0	---
	9-40	---	---	3.6-5.5	---	---	0	---
	40-70	---	---	3.6-5.5	---	---	0	---
Westphalia-----	0-10	---	---	3.6-5.5	---	---	0	---
	10-28	---	---	3.6-5.5	---	---	0	---
	28-72	---	---	3.6-5.5	---	---	0	---
SrE:								
Sassafras-----	0-9	---	2.0-10	3.6-5.5	0	0	0	0
	9-40	---	1.0-5.0	3.6-5.5	0	0	0	0
	40-70	---	1.0-5.0	3.6-5.5	0	0	0	0
Westphalia-----	0-10	---	---	3.6-5.5	---	---	0	---
	10-28	---	---	3.6-5.5	---	---	0	---
	28-72	---	---	3.6-5.5	---	---	0	---
Sx:								
Swamp-----	0-39	---	100-300	3.6-5.5	0	0	0.0-2.0	0
	39-60	---	1.0-5.0	4.5-5.0	0	0	0	0
Tm:								
Tidal Marsh-----	0-10	---	---	5.1-7.8	---	---	2.0-16.0	---
	10-48	---	---	5.1-7.8	---	---	2.0-16.0	---
	48-99	---	---	5.1-7.8	---	---	2.0-16.0	---
WaB2:								
Westphalia-----	0-10	---	---	3.6-5.5	---	---	0	---
	10-28	---	---	3.6-5.5	---	---	0	---
	28-72	---	---	3.6-5.5	---	---	0	---
WaC2:								
Westphalia-----	0-10	---	---	3.6-5.5	---	---	0	---
	10-28	---	---	3.6-5.5	---	---	0	---
	28-72	---	---	3.6-5.5	---	---	0	---
WaC3:								
Westphalia-----	0-10	---	---	3.6-5.5	---	---	0	---
	10-28	---	---	3.6-5.5	---	---	0	---
	28-72	---	---	3.6-5.5	---	---	0	---
WaD2:								
Westphalia-----	0-10	---	---	3.6-5.5	---	---	0	---
	10-28	---	---	3.6-5.5	---	---	0	---
	28-72	---	---	3.6-5.5	---	---	0	---
WaD3:								
Westphalia-----	0-10	---	---	3.6-5.5	---	---	0	---
	10-28	---	---	3.6-5.5	---	---	0	---
	28-72	---	---	3.6-5.5	---	---	0	---

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

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	
WoA:								
Woodstown-----	0-11	---	2.0-10	3.6-5.5	0	0	0	0
	11-29	---	1.0-5.0	3.6-5.5	0	0	0	0
	29-70	---	1.0-5.0	3.6-5.5	0	0	0	0
WoB:								
Woodstown-----	0-11	---	2.0-10	3.6-5.5	0	0	0	0
	11-29	---	1.0-5.0	3.6-5.5	0	0	0	0
	29-70	---	1.0-5.0	3.6-5.5	0	0	0	0

