

(Absence of an entry indicates that data were not estimated.)

Map symbol and soil name	Depth	Cation	Effective	Soil	Calcium	Gypsum	Salinity	Sodium
		exchange capacity	cation exchange capacity	reaction	carbon- ate			adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
BaA:								
Barclay-----	0-7	---	---	4.5-6.0	0	0	0	0
	7-49	---	---	4.5-6.0	0	0	0	0
	49-72	---	---	4.5-6.0	0	0	0	0
BaB2:								
Barclay-----	0-7	---	---	4.5-6.0	0	0	0	0
	7-49	---	---	4.5-6.0	0	0	0	0
	49-72	---	---	4.5-6.0	0	0	0	0
Bp:								
Borrow Pits-----	0-6	---	---	---	---	---	0	---
	6-60	---	---	---	---	---	0	---
Cb:								
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
DoA:								
Downer-----	0-18	---	2.0-7.0	3.6-5.5	0	0	0	0
	18-30	---	1.0-6.0	4.5-5.5	0	0	0	0
	30-40	---	1.0-3.0	4.5-5.5	0	0	0	0
	40-60	---	1.0-8.0	4.5-5.5	0	0	0	0
DoB2:								
Downer-----	0-18	---	2.0-7.0	3.6-5.5	0	0	0	0
	18-30	---	1.0-6.0	4.5-5.5	0	0	0	0
	30-40	---	1.0-3.0	4.5-5.5	0	0	0	0
	40-60	---	1.0-8.0	4.5-5.5	0	0	0	0
DoC2:								
Downer-----	0-18	---	2.0-7.0	3.6-5.5	0	0	0	0
	18-30	---	1.0-6.0	4.5-5.5	0	0	0	0
	30-40	---	1.0-3.0	4.5-5.5	0	0	0	0
	40-60	---	1.0-8.0	4.5-5.5	0	0	0	0
Ek:								
Elkton-----	0-10	---	5.0-10	3.6-5.5	0	0	0	0
	10-24	---	5.0-15	3.6-5.5	0	0	0	0
	24-40	---	5.0-15	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	---	5.0-15	3.6-5.5	0	0	0	0
	24-40	---	5.0-15	3.6-5.5	0	0	0	0
	40-65	---	2.0-10	3.6-5.5	0	0	0	0
Es:								
Elkton-----	0-10	---	5.0-10	3.6-5.5	0	0	0	0
	10-24	---	5.0-15	3.6-5.5	0	0	0	0
	24-40	---	5.0-15	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	---	5.0-15	3.6-5.5	0	0	0	0
	24-40	---	5.0-15	3.6-5.5	0	0	0	0
	40-65	---	2.0-10	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	
Fa:								
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
Ff:								
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
Fg:								
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
GaB:								
Galestown-----	0-11	---	2.0-5.0	3.6-5.5	0	0	0	0
	11-40	---	1.0-3.0	3.6-5.5	0	0	0	0
	40-65	---	1.0-3.0	3.6-5.5	0	0	0	0
GaC:								
Galestown-----	0-11	---	2.0-5.0	3.6-5.5	0	0	0	0
	11-40	---	1.0-3.0	3.6-5.5	0	0	0	0
	40-65	---	1.0-3.0	3.6-5.5	0	0	0	0
KmA:								
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
KmB2:								
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
KmC2:								
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
KmD:								
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
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

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	
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
KsC3: 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
KsD3: 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
Ky: Klej-----	0-9	---	2.0-5.0	3.6-5.5	0	0	0	0
	9-39	---	1.0-3.0	3.6-5.5	0	0	0	0
	39-47	---	1.0-3.0	3.6-5.5	0	0	0	0
	47-60	---	1.0-3.0	3.6-5.5	0	0	0	0
Ma: Madeland-----	0-6	---	---	---	---	---	0	---
MkA: Matapeake-----	0-16	---	---	4.5-5.5	---	---	0	---
	16-34	---	---	3.6-5.5	---	---	0	---
	34-62	---	---	3.6-5.5	---	---	0	---
MkB2: Matapeake-----	0-16	---	---	4.5-5.5	---	---	0	---
	16-34	---	---	3.6-5.5	---	---	0	---
	34-62	---	---	3.6-5.5	---	---	0	---
MkC2: Matapeake-----	0-16	---	---	4.5-5.5	---	---	0	---
	16-34	---	---	3.6-5.5	---	---	0	---
	34-62	---	---	3.6-5.5	---	---	0	---
MkD: Matapeake-----	0-16	---	---	4.5-5.5	---	---	0	---
	16-34	---	---	3.6-5.5	---	---	0	---
	34-62	---	---	3.6-5.5	---	---	0	---
MlA: Matapeake-----	0-16	---	---	4.5-5.5	---	---	0	---
	16-34	---	---	3.6-5.5	---	---	0	---
	34-62	---	---	3.6-5.5	---	---	0	---
MlB2: Matapeake-----	0-16	---	---	4.5-5.5	---	---	0	---
	16-34	---	---	3.6-5.5	---	---	0	---
	34-62	---	---	3.6-5.5	---	---	0	---
MlC2: 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	
M1C3:								
Matapeake-----	0-16	---	---	4.5-5.5	---	---	0	---
	16-34	---	---	3.6-5.5	---	---	0	---
	34-62	---	---	3.6-5.5	---	---	0	---
M1D3:								
Matapeake-----	0-16	---	---	4.5-5.5	---	---	0	---
	16-34	---	---	3.6-5.5	---	---	0	---
	34-62	---	---	3.6-5.5	---	---	0	---
MpA:								
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
MpB2:								
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
MxA:								
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
MxB2:								
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
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	---
Oh:								
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
Ot:								
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
Pe:								
Plummer-----	0-50	---	1.0-3.0	3.6-5.5	0	0	0	0
	50-72	---	2.0-4.0	3.6-5.5	0	0	0	0
Pk:								
Pocomoke-----	0-10	---	---	3.6-5.5	---	---	0	---
	10-28	---	---	3.6-5.5	---	---	0	---
	28-40	---	---	3.6-5.5	---	---	0	---
	40-60	---	---	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	
Pm:								
Pocomoke-----	0-10	---	---	3.6-5.5	---	---	0	---
	10-28	---	---	3.6-5.5	---	---	0	---
	28-40	---	---	3.6-5.5	---	---	0	---
	40-60	---	---	3.6-5.5	---	---	0	---
Pt:								
Portsmouth-----	0-19	---	---	3.6-5.5	0	0	0	0
	19-35	---	---	3.6-5.5	0	0	0	0
	35-38	---	---	3.6-5.5	0	0	0	0
	38-72	---	---	3.6-6.0	0	0	0	0
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
SaC3:								
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
SaD:								
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
SaD3:								
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
SfA:								
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
SfB2:								
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
SmA:								
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
SmB2:								
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	
SmC2: 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
SmC3: 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
St: Steep 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
Tm: Tidal Marsh-----	0-16	---	---	5.1-8.4	---	---	2.0-16.0	---
	16-41	---	---	5.1-8.4	---	---	2.0-16.0	---
	41-63	---	---	5.1-8.4	---	---	2.0-16.0	---
	63-80	---	---	---	---	---	---	---
WdA: 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
WdB2: 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
WfA: 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
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
WoB2: 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

