

(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	
Ba: Bayboro-----	0-14	---	---	3.6-5.5	0	0	0	0
	14-64	---	---	4.5-5.5	0	0	0	0
Bb: Bayboro-----	0-14	---	---	3.6-5.5	0	0	0	0
	14-64	---	---	4.5-5.5	0	0	0	0
Be: 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
Bo: Borrow Pits-----	0-6	---	---	---	---	---	0	---
	6-60	---	---	---	---	---	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
DoC: 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
Ea: 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
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
Em: 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
En: Elkton-----	0-10	---	5.0-10	3.6-6.5	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

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	
EoD:								
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
EpB:								
Evesboro-----	0-40	---	---	3.6-5.0	---	---	0	---
	40-60	---	---	4.5-5.0	---	---	0	---
ErD:								
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
EsB:								
Evesboro-----	0-40	---	---	3.6-5.0	---	---	0	---
	40-60	---	---	4.5-5.0	---	---	0	---
EtF:								
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
EvD:								
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
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
EwB:								
Evesboro-----	0-40	---	---	3.6-5.0	---	---	0	---
	40-60	---	---	4.5-5.0	---	---	0	---
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
EyC:								
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
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
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
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

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	
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
Fs:								
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
GaD:								
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
GcB:								
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
KeA:								
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
KeB:								
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
KsA:								
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
KsB:								
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
Le:								
Leon-----	0-3	---	2.0-12	3.6-6.5	0	0	0.0-2.0	0
	3-15	---	0.3-1.0	3.6-6.5	0	0	0.0-2.0	0
	15-30	---	8.0-30	3.6-6.5	0	0	0.0-2.0	0
	30-80	---	0.5-3.0	3.6-6.5	0	0	0.0-2.0	0
Ma:								
Made Land-----	0-6	---	---	---	---	---	0	---
MdA:								
Matapeake-----	0-16	---	---	4.5-5.5	---	---	0	---
	16-34	---	---	3.6-5.5	---	---	0	---
	34-62	---	---	3.6-5.5	---	---	0	---
MdB2:								
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	
MeA:								
Matapeake-----	0-16	---	---	4.5-5.5	---	---	0	---
	16-34	---	---	3.6-5.5	---	---	0	---
	34-62	---	---	3.6-5.5	---	---	0	---
MeB2:								
Matapeake-----	0-16	---	---	4.5-5.5	---	---	0	---
	16-34	---	---	3.6-5.5	---	---	0	---
	34-62	---	---	3.6-5.5	---	---	0	---
MeC:								
Matapeake-----	0-16	---	---	4.5-5.5	---	---	0	---
	16-34	---	---	3.6-5.5	---	---	0	---
	34-62	---	---	3.6-5.5	---	---	0	---
MfA:								
Matawan-----	0-20	---	---	4.5-5.5	---	---	0	---
	20-38	---	---	3.6-5.5	---	---	0	---
	38-60	---	---	3.6-5.5	---	---	0	---
MfB:								
Matawan-----	0-20	---	---	4.5-5.5	---	---	0	---
	20-38	---	---	3.6-5.5	---	---	0	---
	38-60	---	---	3.6-5.5	---	---	0	---
MmA:								
Matawan-----	0-20	---	---	4.5-5.5	---	---	0	---
	20-38	---	---	3.6-5.5	---	---	0	---
	38-60	---	---	3.6-5.5	---	---	0	---
MmB:								
Matawan-----	0-20	---	---	4.5-5.5	---	---	0	---
	20-38	---	---	3.6-5.5	---	---	0	---
	38-60	---	---	3.6-5.5	---	---	0	---
MmC:								
Matawan-----	0-20	---	---	4.5-5.5	---	---	0	---
	20-38	---	---	3.6-5.5	---	---	0	---
	38-60	---	---	3.6-5.5	---	---	0	---
MmE:								
Matawan-----	0-20	---	---	4.5-5.5	---	---	0	---
	20-38	---	---	3.6-5.5	---	---	0	---
	38-60	---	---	3.6-5.5	---	---	0	---
MnA:								
Matawan-----	0-20	---	---	4.5-5.5	---	---	0	---
	20-38	---	---	3.6-5.5	---	---	0	---
	38-60	---	---	3.6-5.5	---	---	0	---
MnB:								
Matawan-----	0-20	---	---	4.5-5.5	---	---	0	---
	20-38	---	---	3.6-5.5	---	---	0	---
	38-60	---	---	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

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	
MpB:								
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
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
MtB:								
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
Mu:								
Muck-----	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
Mv:								
Mixed Alluvial Land--	0-6	---	---	3.6-7.3	---	---	0	---
	6-42	---	---	3.6-7.3	---	---	0	---
	42-60	---	---	4.5-6.5	---	---	0	---
NoA:								
Norfolk-----	0-14	---	---	3.6-6.0	0	0	0	0
	14-38	---	---	3.6-5.5	0	0	0	0
	38-70	---	---	3.6-5.5	0	0	0	0
	70-99	---	---	---	---	---	---	---
NoB:								
Norfolk-----	0-14	---	---	3.6-6.0	0	0	0	0
	14-38	---	---	3.6-5.5	0	0	0	0
	38-70	---	---	3.6-5.5	0	0	0	0
	70-99	---	---	---	---	---	---	---
NoC:								
Norfolk-----	0-14	---	---	3.6-6.0	0	0	0	0
	14-38	---	---	3.6-5.5	0	0	0	0
	38-70	---	---	3.6-5.5	0	0	0	0
	70-99	---	---	---	---	---	---	---
NsD:								
Norfolk-----	0-14	---	---	3.6-6.0	0	0	0	0
	14-38	---	---	3.6-5.5	0	0	0	0
	38-70	---	---	3.6-5.5	0	0	0	0
	70-99	---	---	---	---	---	---	---
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
NsE:								
Norfolk-----	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	
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
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
Ow:								
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	---
Po:								
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	---
Pr:								
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
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
Ru:								
Rutlege-----	0-18	---	20-30	3.6-5.5	0	0	0	0
	18-60	---	2.0-6.0	3.6-5.5	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
SaB:								
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
SsA:								
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	
SsB2: 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
SsC2: 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: St. Johns-----	0-14	---	4.0-8.0	3.6-5.5	0	0	0.0-2.0	0
	14-22	---	1.0-2.0	3.6-5.5	0	0	0.0-2.0	0
	22-42	---	10-25	3.6-5.5	0	0	0.0-2.0	0
	42-72	---	1.0-4.0	3.6-5.5	0	0	0.0-2.0	0
Su: St. Johns-----	0-14	---	4.0-8.0	3.6-5.5	0	0	0.0-2.0	0
	14-22	---	1.0-2.0	3.6-5.5	0	0	0.0-2.0	0
	22-42	---	10-25	3.6-5.5	0	0	0.0-2.0	0
	42-72	---	1.0-4.0	3.6-5.5	0	0	0.0-2.0	0
Sw: 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-----	0-16	---	---	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	---	---	---	---	---	---	---
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
WfB: 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
WsA: 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
WsB: 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

