

(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	
1: Beaches-----	0-8 8-72	--- ---	--- ---	5.1-7.8 5.1-7.8	0 0	0 0	4.0-16.0 4.0-16.0	0 0
2: Bestpitch-----	0-9 9-33 33-42 42-72	40-90 80-100 20-70 20-40	--- --- --- ---	6.1-7.3 6.1-7.3 6.1-7.3 6.1-7.3	0 0 0 0	0 0 0 0	8.0-16.0 8.0-16.0 8.0-16.0 8.0-16.0	0 0 0 0
Transquaking-----	0-9 9-46 46-65 65-80	40-90 80-100 20-70 20-40	--- --- --- ---	6.1-7.3 6.1-7.3 6.1-7.3 6.1-7.3	0 0 0 0	0 0 0 0	8.0-16.0 8.0-16.0 8.0-16.0 8.0-16.0	0 0 0 0
3: Chicone-----	0-3 3-15 15-24 24-65 65-72	--- --- --- --- ---	30-50 5.0-15 5.0-15 20-50 1.0-5.0	3.6-5.5 3.6-5.5 3.6-5.5 3.6-5.5 3.6-5.5	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0
4C: Downer-----	0-9 9-44 44-50 50-72	--- --- --- ---	2.0-7.0 1.0-6.0 1.0-3.0 1.0-8.0	3.6-5.5 4.5-5.5 4.5-5.5 4.5-5.5	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
5A: Downer-----	0-11 11-35 35-48 48-70	--- --- --- ---	5.0-10 1.0-6.0 1.0-3.0 1.0-8.0	3.6-5.5 4.5-5.5 4.5-5.5 4.5-5.5	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
5B: Downer-----	0-10 10-40 40-65	--- --- ---	5.0-10 1.0-6.0 1.0-3.0	3.6-5.5 4.5-5.5 4.5-5.5	0 0 0	0 0 0	0 0 0	0 0 0
6: Elkton-----	0-15 15-36 36-65	--- --- ---	5.0-10 5.0-15 2.0-10	3.6-5.5 3.6-5.5 3.6-5.5	0 0 0	0 0 0	0 0 0	0 0 0
7: Elkton-----	0-10 10-40 40-65	--- --- ---	5.0-10 5.0-15 2.0-10	3.6-5.5 3.6-5.5 3.6-5.5	0 0 0	0 0 0	0 0 0	0 0 0
8: Elkton-----	0-6 6-15 15-40 40-65 65-72	--- --- --- --- ---	5.0-20 2.0-5.0 5.0-15 5.0-15 2.0-5.0	3.6-5.5 3.6-5.5 3.6-5.5 3.6-5.5 3.6-5.5	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	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	
9C: Evesboro-----	0-4	---	1.0-3.0	3.6-5.0	---	---	---	---
	4-34	---	1.0-2.0	3.6-5.0	0	0	0	0
	34-72	---	1.0-3.0	4.5-5.0	0	0	0	0
9E: Evesboro-----	0-14	---	1.0-3.0	3.6-5.0	---	---	---	---
	14-36	---	1.0-2.0	3.6-5.0	0	0	0	0
	36-72	---	1.0-3.0	4.5-5.0	0	0	0	0
10: Fallsington-----	0-7	---	2.0-5.0	3.6-5.5	0	0	0	0
	7-30	---	1.0-3.0	3.6-5.5	0	0	0	0
	30-72	---	1.0-3.0	3.6-5.5	0	0	0	0
11: Fluvaquents-----	0-12	---	10-20	3.6-5.5	0	0	0	0
	12-20	---	2.0-5.0	3.6-5.5	0	0	0	0
	20-48	---	2.0-5.0	3.6-5.5	0	0	0	0
	48-72	---	2.0-5.0	3.6-5.5	0	0	0	0
12A: Fort Mott-----	0-30	---	3.0-7.0	3.6-5.5	0	0	0	0
	30-72	---	4.0-10	3.6-5.5	0	0	0	0
12B: Fort Mott-----	0-24	---	3.0-7.0	3.6-5.5	0	0	0	0
	24-36	---	4.0-10	3.6-5.5	0	0	0	0
	36-72	---	1.0-5.0	3.6-5.5	0	0	0	0
13E: Fort Mott-----	0-24	---	3.0-7.0	3.6-5.5	0	0	0	0
	24-44	---	4.0-10	3.6-5.5	0	0	0	0
	44-66	---	1.0-5.0	3.6-5.5	0	0	0	0
Evesboro-----	0-4	---	1.0-3.0	3.6-5.0	---	---	---	---
	4-64	---	1.0-2.0	3.6-5.0	0	0	0	0
	64-72	---	1.0-3.0	4.5-5.0	0	0	0	0
Downer-----	0-24	---	5.0-10	3.6-5.5	0	0	0	0
	24-42	---	1.0-6.0	4.5-5.5	0	0	0	0
	42-72	---	1.0-8.0	4.5-5.5	0	0	0	0
14A: 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
14B: Galestown-----	0-10	---	2.0-5.0	3.6-5.5	0	0	0	0
	10-52	---	1.0-3.0	3.6-5.5	0	0	0	0
	52-72	---	1.0-3.0	3.6-5.5	0	0	0	0
15A: Hambrook-----	0-10	---	5.0-10	3.6-5.5	---	---	---	---
	10-14	---	1.0-5.0	3.6-5.5	---	---	---	---
	14-28	---	1.0-5.0	3.6-5.5	---	---	---	---
	28-65	---	1.0-5.0	3.6-5.5	---	---	---	---
	65-72	---	1.0-5.0	3.6-5.5	---	---	---	---

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	
15B: Hambrook-----	0-9	---	5.0-10	3.6-5.5	---	---	---	---
	9-38	---	1.0-5.0	3.6-5.5	---	---	---	---
	38-72	---	1.0-5.0	3.6-5.5	---	---	---	---
16: Hammonton-----	0-11	---	5.0-10	3.6-5.5	0	0	0	0
	11-30	---	3.0-6.0	4.5-5.5	0	0	0	0
	30-65	---	1.0-7.0	4.5-5.5	0	0	0	0
17: Honga-----	0-7	30-70	---	6.1-7.3	0	0	16	0
	7-13	30-70	---	6.1-7.3	0	0	16	0
	13-22	40-80	---	6.1-7.3	0	0	16	0
	22-36	5.0-15	---	6.1-7.3	0	0	4.0-16.0	0
	36-60	5.0-15	---	6.1-7.3	0	0	4.0-16.0	0
18: Hurlock-----	0-3	---	3.0-10	3.6-5.5	0	0	0	0
	3-22	---	1.0-5.0	3.6-5.5	0	0	0	0
	22-60	---	1.0-5.0	3.6-5.5	0	0	0	0
	60-72	---	1.0-5.0	3.6-5.5	0	0	0	0
19A: Ingleside-----	0-10	---	1.0-5.0	3.6-5.5	---	---	---	---
	10-43	---	0.5-2.0	3.6-5.5	---	---	---	---
	43-56	---	0.5-2.0	3.6-5.5	---	---	---	---
	56-72	---	0.5-2.0	3.6-5.5	---	---	---	---
19B: Ingleside-----	0-10	---	1.0-5.0	3.6-5.5	---	---	---	---
	10-60	---	0.5-2.0	3.6-5.5	---	---	---	---
	60-65	---	0.5-2.0	3.6-5.5	---	---	---	---
20: Keyport-----	0-15	---	6.0-14	3.6-5.5	0	0	0	0
	15-48	---	12-20	4.5-5.5	0	0	0	0
	48-72	---	2.0-16	3.6-5.5	0	0	0	0
21: Klej-----	0-8	---	2.0-5.0	3.6-5.5	0	0	0	0
	8-50	---	1.0-3.0	3.6-5.5	0	0	0	0
	50-72	---	1.0-3.0	3.6-5.5	0	0	0	0
Hammonton-----	0-7	---	3.0-6.0	3.6-5.5	0	0	0	0
	7-24	---	3.0-6.0	4.5-5.5	0	0	0	0
	24-72	---	1.0-7.0	4.5-5.5	0	0	0	0
22A: Matapeake-----	0-7	5.0-15	---	4.5-7.3	0	0	0	0
	7-13	---	5.0-15	3.6-6.0	0	0	0	0
	13-38	---	2.0-10	3.6-5.5	0	0	0	0
	38-46	---	2.0-10	3.6-5.5	0	0	0	0
	46-72	---	2.0-10	3.6-5.5	0	0	0	0
22B: Matapeake-----	0-8	5.0-15	---	4.5-7.3	0	0	0	0
	8-18	---	5.0-15	3.6-6.0	0	0	0	0
	18-34	---	2.0-10	3.6-5.5	0	0	0	0
	34-48	---	2.0-10	3.6-5.5	0	0	0	0
	48-72	---	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	
23: Mattapex-----	0-8	---	2.0-15	3.6-5.5	0	0	0	0
	8-41	---	2.0-10	3.6-5.5	0	0	0	0
	41-54	---	2.0-5.0	3.6-5.5	0	0	0	0
	54-72	---	2.0-5.0	3.6-5.5	0	0	0	0
24A: Mattapex-----	0-12	---	2.0-15	3.6-5.5	0	0	0	0
	12-38	---	2.0-10	3.6-5.5	0	0	0	0
	38-46	---	2.0-5.0	3.6-5.5	0	0	0	0
	46-65	---	2.0-5.0	3.6-5.5	0	0	0	0
24B: Mattapex-----	0-13	---	2.0-15	3.6-5.5	0	0	0	0
	13-30	---	2.0-10	3.6-5.5	0	0	0	0
	30-64	---	2.0-5.0	3.6-5.5	0	0	0	0
	64-72	---	2.0-5.0	3.6-5.5	0	0	0	0
25: Nanticoke-----	0-10	30-50	---	5.6-7.3	0	0	0.0-4.0	0
	10-24	15-30	---	5.6-7.3	0	0	0.0-4.0	0
	24-80	15-30	---	5.6-7.3	0	0	0.0-4.0	0
26: Othello-----	0-11	---	8.0-20	4.5-5.5	0	0	0	0
	11-28	---	5.0-15	3.6-5.5	0	0	0	0
	28-36	---	1.0-5.0	3.6-5.5	0	0	0	0
	36-65	---	1.0-5.0	3.6-5.5	0	0	0	0
27: Othello-----	0-6	---	10-30	3.6-5.5	0	0	0	0
	6-12	---	3.0-15	3.6-5.5	0	0	0	0
	12-40	---	5.0-20	3.6-5.5	0	0	0	0
	40-48	---	5.0-20	3.6-5.5	0	0	0	0
	48-72	---	3.0-10	3.6-5.5	0	0	0	0
Kentuck-----	0-13	---	10-30	3.6-5.5	0	0	0	0
	13-24	---	3.0-15	3.6-5.5	0	0	0	0
	24-45	---	5.0-20	3.6-5.5	0	0	0	0
	45-56	---	5.0-20	3.6-5.5	0	0	0	0
	56-70	---	2.0-5.0	3.6-5.5	0	0	0	0
28: Pone-----	0-10	---	5.0-15	3.6-5.5	0	0	0	0
	10-33	---	2.0-5.0	3.6-5.5	0	0	0	0
	33-38	---	2.0-5.0	3.6-5.5	0	0	0	0
	38-72	---	2.0-5.0	3.6-5.5	0	0	0	0
29: Pone-----	0-6	---	5.0-15	3.6-5.5	0	0	0	0
	6-26	---	2.0-5.0	3.6-5.5	0	0	0	0
	26-37	---	2.0-5.0	3.6-5.5	0	0	0	0
	37-47	---	2.0-5.0	3.6-5.5	0	0	0	0
	47-69	---	2.0-5.0	3.6-5.5	0	0	0	0
30: Puckum-----	0-4	---	40-80	3.6-5.5	0	0	0.0-4.0	0
	4-80	---	40-80	3.6-5.5	0	0	0.0-4.0	0



