

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

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
AdA: Aldino-----	0-8	Silt loam	CL	A-4, A-6	---	0-5	85-100	80-100	70-100	55-95	20-33	8-12
	8-33	Silty clay loam, clay loam	CL, ML	A-4, A-6, A- 7-5	---	0-5	85-100	80-100	70-100	60-95	30-50	8-17
	33-60	Silt loam, loam, sandy loam	CL	A-4, A-5	---	0-10	85-100	80-100	50-100	25-90	19-33	5-10
	60-64	Unweathered bedrock			---	---	---	---	---	---	---	---
AdB2: Aldino-----	0-10	Silt loam	ML	A-5, A-6, A- 7, A-4	0	0	100	90-100	80-100	60-100	30-45	5-12
	10-22	Silty clay loam, silt loam	MH, ML	A-7	0	0	100	90-100	80-100	60-95	40-55	10-25
	22-36	Silty clay loam, silt loam	MH, ML	A-7	0	0	80-100	75-100	70-100	50-95	40-55	10-25
	36-60	Loam, silt loam	ML	A-4, A-5, A- 6, A-7	---	0-5	80-100	75-100	65-100	45-90	30-45	5-15
Am: Aldino-----	0-10	Silt loam	ML	A-4, A-5, A- 6, A-7	0	0	100	90-100	80-100	60-100	30-45	5-12
	10-22	Silty clay loam, silt loam	MH, ML	A-7	0	0	100	90-100	80-100	60-95	40-55	10-25
	22-36	Silty clay loam, silt loam	MH, ML	A-7	0	0	80-100	75-100	70-100	50-95	40-55	10-25
	36-60	Loam, silt loam	ML	A-4, A-5, A- 6, A-7	---	0-5	80-100	75-100	65-100	45-90	30-45	5-15
Keyport-----	0-10	Silt loam	CL, CL-ML, ML	A-4	0	0	95-100	95-100	90-100	65-85	20-30	3-10
	10-60	Silty clay loam, clay loam, clay	CH, CL, MH, ML	A-6, A-7	0	0	95-100	95-100	85-100	70-95	35-55	10-30
	60-72	Stratified clay to loamy sand	CL, CL-ML, SC, SC-SM	A-2, A-4, A- 6, A-7	0	0	95-100	95-100	60-95	25-85	15-55	NP-30

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10	3-10	4	10	40	200		
					inches	inches						
	In				Pct	Pct					Pct	
Mattapex-----	0-8	Silt loam	CL, CL-ML	A-4	0	0	95-100	90-100	80-100	80-100	15-30	5-15
	8-28	Silty clay loam, silt loam	CL, CL-ML	A-4, A-6, A-7	0	0	100	100	90-100	85-95	24-45	7-21
	28-48	Fine sandy loam, loam, loamy sand	CL, ML, SC, SM	A-2, A-4, A-6	0	0	95-100	90-100	45-95	15-75	15-40	NP-18
Urban Land-----	0-6	Variable			---	---	---	---	---	---	---	---
Ba: Bayboro-----	0-14	Loam	CL, CL-ML, ML	A-4, A-6, A-7	0	0	100	100	85-100	60-80	25-42	3-20
	14-64	Clay loam, sandy clay, clay	CH, CL	A-6, A-7	0	0	100	100	85-100	55-95	35-70	20-40
BuA: Butlertown-----	0-12	Silt loam	CL, CL-ML, ML	A-4	0	0	100	100	80-100	80-100	20-33	3-9
	12-64	Silt loam, silty clay loam, loam	CL	A-6	0	0	100	100	80-100	80-100	27-45	10-22
	64-72	Sandy loam, loamy sand, sand	SM	A-2, A-3, A-4	0	0	95-100	90-100	55-70	5-40	0-19	NP-3
BuB2: Butlertown-----	0-16	Silt loam	ML	A-4	0	0	100	95-100	90-100	85-100	22-35	2-8
	16-34	Silt loam, silty clay loam, very fine sandy loam	CL, ML	A-4, A-6	0	0	100	95-100	90-100	85-100	33-40	9-16
	34-49	Silt loam, very fine sandy loam	CL, CL-ML	A-4, A-6	0	0	100	95-100	90-100	85-100	22-38	6-16
	49-60	Silt loam, very fine sand, loam	CL, ML, SC, SM	A-2, A-4	0	0	90-100	85-100	75-100	30-90	15-30	NP-10

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
BuC2: Butlertown-----	0-16	Silt loam	ML	A-4	0	0	100	95-100	90-100	85-100	22-35	2-8
	16-34	Silt loam, silty clay loam, very fine sandy loam	CL, ML	A-4, A-6	0	0	100	95-100	90-100	85-100	33-40	9-16
	34-49	Silt loam, very fine sandy loam	CL, CL-ML	A-4, A-6	0	0	100	95-100	90-100	85-100	22-38	6-16
	49-60	Silt loam, very fine sand, loam	CL, ML, SC, SM	A-2, A-4	0	0	90-100	85-100	75-100	30-90	15-30	NP-10
ChA: Chester-----	0-15	Loam	CL	A-4	---	0-10	85-100	80-100	70-100	50-90	22-27	5-10
	15-36	Silty clay loam, silt loam, clay loam	ML, CL	A-4, A-6, A-7	---	0-10	85-100	80-100	70-100	55-95	30-50	8-17
	36-62	Silt loam, loam, sandy loam	ML, SC, SM	A-2, A-4, A-7	---	0-10	80-100	80-100	60-100	30-90	15-47	4-12
ChB2: Chester-----	0-15	Loam	CL	A-4	---	0-10	85-100	80-100	70-100	50-90	22-27	5-10
	15-36	Silty clay loam, silt loam, clay loam	CL, ML	A-6, A-7, A-4	---	0-10	85-100	80-100	70-100	55-95	30-50	8-17
	36-62	Silt loam, loam, sandy loam	ML, SC, SM	A-2, A-4, A-7	---	0-10	80-100	80-100	60-100	30-90	15-47	4-12
ChC2: Chester-----	0-15	Loam	CL	A-4	---	0-10	85-100	80-100	70-100	50-90	22-27	5-10
	15-36	Silty clay loam, silt loam, clay loam	CL, ML	A-4, A-6, A-7	---	0-10	85-100	80-100	70-100	55-95	30-50	8-17
	36-62	Silt loam, loam, sandy loam	ML, SC, SM	A-2, A-4, A-7	---	0-10	80-100	80-100	60-100	30-90	15-47	4-12

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
ChC3: Chester-----	0-15	Loam	CL	A-4	---	0-10	85-100	80-100	70-100	50-90	22-27	5-10
	15-36	Silty clay loam, silt loam, clay loam	CL, ML	A-4, A-6, A-7	---	0-10	85-100	80-100	70-100	55-95	30-50	8-17
	36-62	Silt loam, loam, sandy loam	SM, ML, SC	A-2, A-4, A-7	---	0-10	80-100	80-100	60-100	30-90	15-47	4-12
ChD2: Chester-----	0-15	Loam	CL	A-4	---	0-10	85-100	80-100	70-100	50-90	22-27	5-10
	15-36	Silty clay loam, silt loam, clay loam	ML, CL	A-4, A-6, A-7	---	0-10	85-100	80-100	70-100	55-95	30-50	8-17
	36-62	Silt loam, loam, sandy loam	ML, SC, SM	A-7, A-4, A-2	---	0-10	80-100	80-100	60-100	30-90	15-47	4-12
ChD3: Chester-----	0-15	Loam	CL	A-4	---	0-10	85-100	80-100	70-100	50-90	22-27	5-10
	15-36	Silty clay loam, silt loam, clay loam	CL, ML	A-4, A-6, A-7	---	0-10	85-100	80-100	70-100	55-95	30-50	8-17
	36-62	Silt loam, loam, sandy loam	ML, SC, SM	A-2, A-4, A-7	---	0-10	80-100	80-100	60-100	30-90	15-47	4-12
Co: Codorus-----	0-18	Silt loam	CL-ML, ML, CL	A-6, A-4	0	0	80-100	70-100	65-100	55-95	22-35	2-12
	18-54	Silt loam, loam, silty clay loam	CL, CL-ML, ML	A-4, A-6	0	0	80-100	75-100	65-100	55-85	22-35	2-12
	54-60	Stratified sand to silt	GM, SM, ML	A-1, A-2, A-4	0	0	25-100	20-100	20-85	15-65	15-35	NP-7
CsB2: Collington-----	0-13	Fine sandy loam	CL, SC	A-2-4, A-4	0	0	95-100	95-100	60-95	30-85	20-30	5-10
	13-32	Sandy clay loam, sandy loam, clay loam	CL, CL-ML, SC	A-7-6, A-4, A-5, A-6	0	0	95-100	95-100	75-100	35-70	20-45	5-25
	32-60	Stratified sand to sandy loam	SC, SC-SM, SM	A-4, A-1-b, A-2-4	0	0	95-100	95-100	50-70	10-40	15-30	NP-10

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10	3-10	4	10	40	200		
					inches	inches						
	In				Pct	Pct					Pct	
CsC3: Collington-----	0-13	Fine sandy loam	SC, CL	A-4, A-2-4	0	0	95-100	95-100	60-95	30-85	20-30	5-10
	13-32	Sandy clay loam, sandy loam, clay loam	CL-ML, SC, CL	A-4, A-5, A- 6, A-7-6	0	0	95-100	95-100	75-100	35-70	20-45	5-25
	32-60	Stratified sand to sandy loam	SC, SC-SM, SM	A-4, A-1-b, A-2-4	0	0	95-100	95-100	50-70	10-40	15-30	NP-10
CsD3: Collington-----	0-13	Fine sandy loam	SC, CL	A-4, A-2-4	0	0	95-100	95-100	60-95	30-85	20-30	5-10
	13-32	Sandy clay loam, sandy loam, clay loam	CL, CL-ML, SC	A-4, A-5, A- 6, A-7-6	0	0	95-100	95-100	75-100	35-70	20-45	5-25
	32-60	Stratified sand to sandy loam	SC, SC-SM, SM	A-1-b, A-2-4, A-4	0	0	95-100	95-100	50-70	10-40	15-30	NP-10
Cu: Comus-----	0-30	Silt loam	CL, ML, SC, SM	A-6, A-2, A-4	---	0-5	85-100	80-100	55-100	30-90	30-40	6-15
	30-60	Stratified gravelly sandy loam to silty clay loam	CL, GM, ML, SM	A-4, A-6, A- 2, A-1	---	0-20	55-100	45-100	25-100	15-95	15-40	NP-20
DeA: Delanco-----	0-11	Silt loam	SM, SC, ML, CL	A-4, A-6	0	0	90-100	80-100	55-100	30-90	15-30	NP-15
	11-36	Silty clay loam, clay loam, loam	ML	A-6, A-7	0	0	90-100	80-100	70-100	50-95	35-50	10-20
	36-50	Clay loam, silt loam, gravelly sandy loam	CL, ML, SC, SM	A-2, A-4, A-6	0	0	65-100	50-100	30-100	15-90	15-35	NP-15
DeB2: Delanco-----	0-11	Silt loam	CL, ML, SC, SM	A-4, A-6	0	0	90-100	80-100	55-100	30-90	15-30	NP-15
	11-36	Silty clay loam, clay loam, loam	ML	A-6, A-7	0	0	90-100	80-100	70-100	50-95	35-50	10-20
	36-50	Clay loam, silt loam, gravelly sandy loam	CL, ML, SC, SM	A-2, A-4, A-6	0	0	65-100	50-100	30-100	15-90	15-35	NP-15

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10	3-10	4	10	40	200		
					inches	inches						
	In				Pct	Pct					Pct	
EaB2: Elioak-----	0-15	Silt loam	CL, ML, SC, SM	A-2-4, A-4, A-6, A-7	---	0-10	85-100	80-100	55-100	30-90	30-45	5-20
	15-42	Silty clay loam, clay loam, silty clay	ML, CL, CH, MH	A-6, A-7	---	0-5	85-100	80-100	75-100	60-95	35-58	11-26
	42-60	Silt loam, loam, gravelly fine sandy loam	GM, ML, SM	A-5, A-1-b, A-4, A-2	---	0-5	65-100	50-100	35-100	20-90	35-50	NP-10
EkC3: Elioak-----	0-15	Silty clay loam	CL	A-6, A-7	---	0-10	85-100	80-100	75-100	60-90	35-50	12-25
	15-42	Silty clay loam, clay loam, silty clay	CH, CL, MH, ML	A-6, A-7	---	0-5	85-100	80-100	75-100	60-95	35-58	11-26
	42-60	Silt loam, loam, gravelly fine sandy loam	ML, SM, GM	A-1-b, A-2, A-4, A-5	---	0-5	65-100	50-100	35-100	20-90	35-50	NP-10
EkD3: Elioak-----	0-15	Silty clay loam	CL	A-7, A-6	---	0-10	85-100	80-100	75-100	60-90	35-50	12-25
	15-42	Silty clay loam, clay loam, silty clay	CH, CL, MH, ML	A-7, A-6	---	0-5	85-100	80-100	75-100	60-95	35-58	11-26
	42-60	Silt loam, loam, gravelly fine sandy loam	ML, SM, GM	A-1-b, A-2, A-4, A-5	---	0-5	65-100	50-100	35-100	20-90	35-50	NP-10
E1A: Elkton-----	0-10	Sandy loam	SC-SM, SM, SC	A-4	0	0	100	95-100	70-100	35-50	20-30	NP-15
	10-24	Silty clay loam	CL	A-6	0	0	100	100	90-100	85-95	25-40	10-20
	24-48	Silty clay loam, silty clay	CL	A-6, A-7	0	0	100	100	95-100	85-95	0-50	10-35
	48-60	Very fine sandy loam	CL	A-4	0	0	100	95-100	85-95	45-75	15-30	5-10

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10	3-10	4	10	40	200		
					inches	inches						
	In				Pct	Pct					Pct	
EmA: Elkton-----	0-10	Silt loam	ML	A-4	0	0	100	100	90-100	50-95	20-35	NP-10
	10-24	Silty clay loam	CL	A-6	0	0	100	100	90-100	85-95	25-40	10-20
	24-48	Silty clay loam, silty clay	CL	A-6, A-7	0	0	100	100	95-100	85-95	0-50	10-35
	48-60	Very fine sandy loam	CL	A-4	0	0	100	95-100	85-95	45-75	15-30	5-10
EmB: Elkton-----	0-10	Silt loam	ML	A-4	0	0	100	100	90-100	50-95	20-35	NP-10
	10-24	Silty clay loam	CL	A-6	0	0	100	100	90-100	85-95	25-40	10-20
	24-48	Silty clay loam, silty clay	CL	A-6, A-7	0	0	100	100	95-100	85-95	0-50	10-35
	48-60	Very fine sandy loam	CL	A-4	0	0	100	95-100	85-95	45-75	15-30	5-10
EnB2: Elsinboro-----	0-15	Silt loam	SC, CL	A-4, A-2	---	0-5	85-100	80-100	50-100	25-90	21-28	4-9
	15-36	Silty clay loam, silt loam, loam	CL	A-6	---	0-5	85-100	80-100	70-100	50-95	28-40	11-20
	36-60	Sandy loam, sandy clay loam, gravelly sandy loam	ML, SC, SM, CL	A-2, A-4, A- 6, A-7	---	0-10	65-100	50-100	30-90	15-55	10-45	2-20
EnC2: Elsinboro-----	0-15	Silt loam	CL, SC	A-2, A-4	---	0-5	85-100	80-100	50-100	25-90	21-28	4-9
	15-36	Silty clay loam, silt loam, loam	CL	A-6	---	0-5	85-100	80-100	70-100	50-95	28-40	11-20
	36-60	Sandy loam, sandy clay loam, gravelly sandy loam	CL, ML, SC, SM	A-2, A-4, A- 6, A-7	---	0-10	65-100	50-100	30-90	15-55	10-45	2-20
EuB: Delanco-----	0-11	Silt loam	SC, ML, SM, CL	A-6, A-4	0	0	90-100	80-100	55-100	30-90	15-30	NP-15
	11-36	Silty clay loam, clay loam, loam	ML	A-6, A-7	0	0	90-100	80-100	70-100	50-95	35-50	10-20
	36-50	Clay loam, silt loam, gravelly sandy loam	ML, CL, SM, SC	A-2, A-4, A-6	0	0	65-100	50-100	30-100	15-90	15-35	NP-15

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10	3-10	4	10	40	200		
					inches	inches						
	In				Pct	Pct					Pct	
Elsinboro-----	0-15	Silt loam	SC, CL	A-4, A-2	---	0-5	85-100	80-100	50-100	25-90	21-28	4-9
	15-36	Silty clay loam, silt loam, loam	CL	A-6	---	0-5	85-100	80-100	70-100	50-95	28-40	11-20
	36-60	Sandy loam, sandy clay loam, gravelly sandy loam	SM, SC, ML, CL	A-2, A-4, A- 6, A-7	---	0-10	65-100	50-100	30-90	15-55	10-45	2-20
Urban Land-----	---	---	---	---	---	---	---	---	---	---	---	---
Fa: Fallsington-----	0-11	Sandy loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0	0	95-100	90-100	65-90	30-60	15-19	NP-5
	11-27	Sandy loam, loam, sandy clay loam	ML, SC, SM, CL	A-2, A-4, A-6	0	0	95-100	90-100	65-85	30-55	15-30	NP-15
	27-60	Stratified sand to sandy clay loam	SP-SM, CL, SM	A-2, A-3	0	0	95-100	90-100	50-85	5-55	15-30	NP-15
Fs: Fallsington-----	0-11	Loam	SM, CL-ML, ML, SC-SM	A-4	0	0	95-100	90-100	65-90	40-70	15-20	NP-10
	11-27	Sandy loam, loam, sandy clay loam	CL, ML, SC, SM	A-4, A-2, A-6	0	0	95-100	90-100	65-85	30-55	15-30	NP-15
	27-60	Stratified sand to sandy clay loam	CL, SM, SP-SM	A-2, A-3	0	0	95-100	90-100	50-85	5-55	15-30	NP-15
GmB2: Glenelg-----	0-6	Loam	ML	A-4, A-6	0	0	85-100	80-100	70-100	50-75	32-40	7-12
	6-24	Channery silt loam, silty clay loam, loam	ML, GM, SM	A-4, A-6, A-7	---	0-10	60-100	50-100	45-100	35-95	34-46	9-15
	24-60	Loam, sandy loam, channery loam	GM, ML, SM	A-2, A-4	---	0-50	60-100	50-100	40-95	25-75	15-40	NP-6

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Manor-----	0-10	Loam	ML	A-4, A-6	0	0	85-100	80-100	70-100	50-90	32-40	6-12
	10-20	Loam, silt loam, channery loam	GM, ML, SM	A-6, A-4, A- 2-4, A-2-6	---	0-10	65-100	50-100	40-100	30-90	26-40	4-12
	20-72	Loam, sandy loam, channery sandy loam	CL-ML, ML, SC-SM, SM	A-1, A-2, A- 4, A-6	---	0-5	65-100	50-100	30-95	15-75	20-40	2-12
GmC2: Glenelg-----	0-6	Loam	ML	A-4, A-6	0	0	85-100	80-100	70-100	50-75	32-40	7-12
	6-24	Channery silt loam, silty clay loam, loam	SM, ML, GM	A-4, A-7, A-6	---	0-10	60-100	50-100	45-100	35-95	34-46	9-15
	24-60	Loam, sandy loam, channery loam	GM, ML, SM	A-2, A-4	---	0-50	60-100	50-100	40-95	25-75	15-40	NP-6
Manor-----	0-10	Loam	ML	A-4, A-6	0	0	85-100	80-100	70-100	50-90	32-40	6-12
	10-20	Loam, silt loam, channery loam	GM, ML, SM	A-2-4, A-2-6, A-4, A-6	---	0-10	65-100	50-100	40-100	30-90	26-40	4-12
	20-72	Loam, sandy loam, channery sandy loam	CL-ML, ML, SC-SM, SM	A-4, A-2, A- 1, A-6	---	0-5	65-100	50-100	30-95	15-75	20-40	2-12
GmC3: Glenelg-----	0-6	Loam	ML	A-6, A-4	0	0	85-100	80-100	70-100	50-75	32-40	7-12
	6-24	Channery silt loam, silty clay loam, loam	GM, ML, SM	A-4, A-7, A-6	---	0-10	60-100	50-100	45-100	35-95	34-46	9-15
	24-60	Loam, sandy loam, channery loam	SM, ML, GM	A-2, A-4	---	0-50	60-100	50-100	40-95	25-75	15-40	NP-6
Manor-----	0-10	Loam	ML	A-4, A-6	0	0	85-100	80-100	70-100	50-90	32-40	6-12
	10-20	Loam, silt loam, channery loam	SM, ML, GM	A-6, A-2-4, A-2-6, A-4	---	0-10	65-100	50-100	40-100	30-90	26-40	4-12
	20-72	Loam, sandy loam, channery sandy loam	SM, SC-SM, CL-ML, ML	A-1, A-2, A- 4, A-6	---	0-5	65-100	50-100	30-95	15-75	20-40	2-12

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
GmD2: Manor-----	0-10	Loam	ML	A-4, A-6	0	0	85-100	80-100	70-100	50-90	32-40	6-12
	10-20	Loam, silt loam, channery loam	SM, ML, GM	A-6, A-2-4, A-2-6, A-4	---	0-10	65-100	50-100	40-100	30-90	26-40	4-12
	20-72	Loam, sandy loam, channery sandy loam	ML, SM, SC- SM, CL-ML	A-6, A-1, A- 2, A-4	---	0-5	65-100	50-100	30-95	15-75	20-40	2-12
Glenelg-----	0-6	Loam	ML	A-6, A-4	0	0	85-100	80-100	70-100	50-75	32-40	7-12
	6-24	Channery silt loam, silty clay loam, loam	GM, ML, SM	A-6, A-4, A-7	---	0-10	60-100	50-100	45-100	35-95	34-46	9-15
	24-60	Loam, sandy loam, channery loam	ML, GM, SM	A-4, A-2	---	0-50	60-100	50-100	40-95	25-75	15-40	NP-6
GmD3: Manor-----	0-10	Loam	ML	A-4, A-6	0	0	85-100	80-100	70-100	50-90	32-40	6-12
	10-20	Loam, silt loam, channery loam	ML, SM, GM	A-2-4, A-2-6, A-4, A-6	---	0-10	65-100	50-100	40-100	30-90	26-40	4-12
	20-72	Loam, sandy loam, channery sandy loam	CL-ML, SM, SC-SM, ML	A-1, A-2, A- 4, A-6	---	0-5	65-100	50-100	30-95	15-75	20-40	2-12
Glenelg-----	0-6	Loam	ML	A-6, A-4	0	0	85-100	80-100	70-100	50-75	32-40	7-12
	6-24	Channery silt loam, silty clay loam, loam	GM, ML, SM	A-4, A-6, A-7	---	0-10	60-100	50-100	45-100	35-95	34-46	9-15
	24-60	Loam, sandy loam, channery loam	GM, ML, SM	A-2, A-4	---	0-50	60-100	50-100	40-95	25-75	15-40	NP-6
GmE: Manor-----	0-10	Loam	ML	A-6, A-4	0	0	85-100	80-100	70-100	50-90	32-40	6-12
	10-20	Loam, silt loam, channery loam	GM, ML, SM	A-2-4, A-2-6, A-4, A-6	---	0-10	65-100	50-100	40-100	30-90	26-40	4-12
	20-72	Loam, sandy loam, channery sandy loam	SC-SM, SM, ML, CL-ML	A-1, A-2, A- 4, A-6	---	0-5	65-100	50-100	30-95	15-75	20-40	2-12

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10	3-10	4	10	40	200		
					inches	inches						
	In				Pct	Pct					Pct	
Glenelg-----	0-6	Loam	ML	A-4, A-6	0	0	85-100	80-100	70-100	50-75	32-40	7-12
	6-24	Channery silt loam, silty clay loam, loam	SM, GM, ML	A-4, A-6, A-7	---	0-10	60-100	50-100	45-100	35-95	34-46	9-15
	24-60	Loam, sandy loam, channery loam	ML, GM, SM	A-2, A-4	---	0-50	60-100	50-100	40-95	25-75	15-40	NP-6
GnA: Glenville-----	0-9	Silt loam	SM, ML	A-4	0	0	85-100	85-100	70-95	45-80	25-35	3-10
	9-18	Silt loam, channery loam, channery silty clay loam	CL-ML, GM, SC, CL	A-4, A-6	0	0-10	70-100	60-100	60-95	45-80	25-40	5-13
	18-40	Silt loam, channery loam, silty clay loam	SC, CL, CL- ML, GM	A-4, A-6	0	0-10	65-100	60-100	55-95	45-80	25-40	5-13
	40-62	Channery fine sandy loam, channery loam, very channery sandy loam	CL-ML, GM, ML, SM	A-1, A-2, A-4	0	0-20	45-90	20-75	10-75	5-65	25-35	5-10
GnB2: Glenville-----	0-9	Silt loam	ML, SM	A-4	0	0	85-100	85-100	70-95	45-80	25-35	3-10
	9-18	Silt loam, channery loam, channery silty clay loam	CL, CL-ML, GM, SC	A-4, A-6	0	0-10	70-100	60-100	60-95	45-80	25-40	5-13
	18-40	Silt loam, channery loam, silty clay loam	CL, CL-ML, GM, SC	A-4, A-6	0	0-10	65-100	60-100	55-95	45-80	25-40	5-13
	40-62	Channery fine sandy loam, channery loam, very channery sandy loam	SM, ML, CL- ML, GM	A-4, A-2, A-1	0	0-20	45-90	20-75	10-75	5-65	25-35	5-10

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10	3-10	4	10	40	200		
					inches	inches						
	In				Pct	Pct					Pct	
Gp: Gravel Pits And Quarries-----	0-6	Extremely gravelly sand	GW	A-1	---	0-25	10-25	5-25	0-15	0-5	---	NP
	6-60	Extremely gravelly sand, extremely gravelly coarse sand, very gravelly coarse sand	GP, GW, SP, SW	A-1	---	0-25	10-55	5-50	0-15	0-5	---	NP
Ha: Hatboro-----	0-9	Silt loam	CL, ML, SC, SM	A-4, A-6	0	0	95-100	90-100	70-100	40-90	22-35	2-12
	9-44	Silt loam, silty clay loam, sandy clay loam	CL, CL-ML, ML	A-4, A-6	0	0	85-100	80-100	70-95	55-85	22-35	2-12
	44-56	Sandy clay loam, sandy loam, silt loam	CL, ML, SC, SM	A-4	0	0	75-100	70-100	60-90	45-60	22-30	2-10
	56-70	Stratified clay to gravelly sand	SM, SC, GC, GM	A-1, A-2	0	0	50-85	45-80	45-80	15-35	15-32	NP-14
HbA: Hatboro-----	0-9	Silt loam	CL, ML, SC, SM	A-4, A-6	0	0	95-100	90-100	70-100	40-90	22-35	2-12
	9-44	Silt loam, silty clay loam, sandy clay loam	CL, CL-ML, ML	A-4, A-6	0	0	85-100	80-100	70-95	55-85	22-35	2-12
	44-56	Sandy clay loam, sandy loam, silt loam	CL, ML, SM, SC	A-4	0	0	75-100	70-100	60-90	45-60	22-30	2-10
	56-70	Stratified clay to gravelly sand	SM, GC, GM, SC	A-1, A-2	0	0	50-85	45-80	45-80	15-35	15-32	NP-14

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10	3-10	4	10	40	200		
					inches	inches						
	In				Pct	Pct					Pct	
HbC: Hatboro-----	0-9	Silt loam	ML, SC, SM, CL	A-4, A-6	0	0	95-100	90-100	70-100	40-90	22-35	2-12
	9-44	Silt loam, silty clay loam, sandy clay loam	CL-ML, ML, CL	A-4, A-6	0	0	85-100	80-100	70-95	55-85	22-35	2-12
	44-56	Sandy clay loam, sandy loam, silt loam	CL, ML, SC, SM	A-4	0	0	75-100	70-100	60-90	45-60	22-30	2-10
	56-70	Stratified clay to gravelly sand	GC, GM, SC, SM	A-2, A-1	0	0	50-85	45-80	45-80	15-35	15-32	NP-14
Jo: Johnston-----	0-30	Loam	SM, ML	A-4, A-2	0	0	100	100	60-100	18-65	15-35	NP-10
	30-34	Stratified loamy sand to sand	SM, SP-SM	A-3, A-2	0	0	100	100	50-100	5-30	---	NP
	34-60	Stratified fine sandy loam to sandy loam	SM	A-4, A-2	0	0	100	100	50-100	25-49	15-35	NP-10
KeA: Keypport-----	0-10	Silt loam	CL, CL-ML, ML	A-4	0	0	95-100	95-100	90-100	65-85	20-30	3-10
	10-60	Silty clay loam, clay loam, clay	CH, CL, MH, ML	A-6, A-7	0	0	95-100	95-100	85-100	70-95	35-55	10-30
	60-72	Stratified clay to loamy sand	CL, CL-ML, SC, SC-SM	A-2, A-4, A- 6, A-7	0	0	95-100	95-100	60-95	25-85	15-55	NP-30
KeB2: Keypport-----	0-10	Silt loam	ML, CL, CL-ML	A-4	0	0	95-100	95-100	90-100	65-85	20-30	3-10
	10-60	Silty clay loam, clay loam, clay	MH, CH, ML, CL	A-7, A-6	0	0	95-100	95-100	85-100	70-95	35-55	10-30
	60-72	Stratified clay to loamy sand	CL, CL-ML, SC, SC-SM	A-2, A-4, A- 6, A-7	0	0	95-100	95-100	60-95	25-85	15-55	NP-30
KeC2: Keypport-----	0-10	Silt loam	CL, CL-ML, ML	A-4	0	0	95-100	95-100	90-100	65-85	20-30	3-10
	10-60	Silty clay loam, clay loam, clay	ML, CL, CH, MH	A-7, A-6	0	0	95-100	95-100	85-100	70-95	35-55	10-30
	60-72	Stratified clay to loamy sand	CL, CL-ML, SC, SC-SM	A-6, A-4, A- 7, A-2	0	0	95-100	95-100	60-95	25-85	15-55	NP-30

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10	3-10	4	10	40	200		
					inches	inches						
	In				Pct	Pct					Pct	
KpC3: Keyport-----	0-10	Silt loam	CL, CL-ML, ML	A-4	0	0	95-100	95-100	90-100	65-85	20-30	3-10
	10-60	Silty clay loam, clay loam, clay	MH, CH, CL, ML	A-6, A-7	0	0	95-100	95-100	85-100	70-95	35-55	10-30
	60-72	Stratified clay to loamy sand	SC-SM, CL, CL-ML, SC	A-2, A-4, A- 6, A-7	0	0	95-100	95-100	60-95	25-85	15-55	NP-30
KrA: Kinkora-----	0-12	Silt loam	CL, ML, SM	A-4, A-6	0	0	95-100	95-100	65-100	40-90	28-40	5-15
	12-30	Silty clay loam, clay loam, silty clay	CL, CH	A-7, A-6	0	0	95-100	95-100	85-100	65-95	35-55	11-33
	30-36	Silt loam, loam, clay loam	CL, CL-ML	A-6, A-4	---	0-10	85-100	80-100	70-100	50-90	20-40	4-15
	36-60	Variable			---	---	---	---	---	---	---	---
KrB: Kinkora-----	0-12	Silt loam	CL, ML, SM	A-4, A-6	0	0	95-100	95-100	65-100	40-90	28-40	5-15
	12-30	Silty clay loam, clay loam, silty clay	CH, CL	A-6, A-7	0	0	95-100	95-100	85-100	65-95	35-55	11-33
	30-36	Silt loam, loam, clay loam	CL, CL-ML	A-4, A-6	---	0-10	85-100	80-100	70-100	50-90	20-40	4-15
	36-60	Variable			---	---	---	---	---	---	---	---
Ma: Made Land And Urban Land-----	0-6	Variable			---	---	---	---	---	---	---	---
McB: Glenelg-----	0-6	Loam	ML	A-4, A-6	0	0	85-100	80-100	70-100	50-75	32-40	7-12
	6-24	Channery silt loam, silty clay loam, loam	GM, ML, SM	A-7, A-4, A-6	---	0-10	60-100	50-100	45-100	35-95	34-46	9-15
	24-60	Loam, sandy loam, channery loam	GM, ML, SM	A-2, A-4	---	0-50	60-100	50-100	40-95	25-75	15-40	NP-6

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Manor-----	0-10	Loam	ML	A-4, A-6	0	0	85-100	80-100	70-100	50-90	32-40	6-12
	10-20	Loam, silt loam, channery loam	SM, ML, GM	A-2-4, A-2-6, A-4, A-6	---	0-10	65-100	50-100	40-100	30-90	26-40	4-12
	20-72	Loam, sandy loam, channery sandy loam	ML, CL-ML, SC-SM, SM	A-1, A-2, A- 4, A-6	---	0-5	65-100	50-100	30-95	15-75	20-40	2-12
Chester-----	0-15	Loam	CL	A-4	---	0-10	85-100	80-100	70-100	50-90	22-27	5-10
	15-36	Silty clay loam, silt loam, clay loam	ML, CL	A-4, A-6, A-7	---	0-10	85-100	80-100	70-100	55-95	30-50	8-17
	36-62	Silt loam, loam, sandy loam	SC, SM, ML	A-7, A-2, A-4	---	0-10	80-100	80-100	60-100	30-90	15-47	4-12
Urban Land-----	0-6	Variable			---	---	---	---	---	---	---	---
MeA: Matapeake-----	0-16	Silt loam	ML, CL-ML, CL	A-4	0	0	100	100	80-100	80-100	20-33	3-9
	16-34	Silt loam, silty clay loam, loam	CL	A-6	0	0	100	100	80-100	80-100	27-45	10-22
	34-62	Sandy loam, loamy sand, sand	SM	A-3, A-4, A-2	0	0	95-100	90-100	55-70	5-40	15-19	NP-3
Mattapex-----	0-15	Silt loam	CL, CL-ML	A-4	0	0	95-100	90-100	80-100	80-100	15-30	5-15
	15-48	Silty clay loam, silt loam	CL-ML, CL	A-4, A-6, A-7	0	0	100	100	90-100	85-95	24-45	7-21
	48-54	Fine sandy loam, loam, loamy sand	CL, ML, SC, SM	A-2, A-4, A-6	0	0	95-100	90-100	45-95	15-75	15-40	NP-18
	54-72	Sand, loamy sand	SM	A-2	0	0	95-100	90-100	43-85	15-40	10-15	NP
MeB2: Matapeake-----	0-16	Silt loam	CL-ML, CL, ML	A-4	0	0	100	100	80-100	80-100	20-33	3-9
	16-34	Silt loam, silty clay loam, loam	CL	A-6	0	0	100	100	80-100	80-100	27-45	10-22
	34-62	Sandy loam, loamy sand, sand	SM	A-2, A-3, A-4	0	0	95-100	90-100	55-70	5-40	15-19	NP-3

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10	3-10	4	10	40	200		
					inches	inches						
	In				Pct	Pct					Pct	
MeC2: Matapeake-----	0-16	Silt loam	CL, CL-ML, ML	A-4	0	0	100	100	80-100	80-100	20-33	3-9
	16-34	Silt loam, silty clay loam, loam	CL	A-6	0	0	100	100	80-100	80-100	27-45	10-22
	34-62	Sandy loam, loamy sand, sand	SM	A-2, A-3, A-4	0	0	95-100	90-100	55-70	5-40	15-19	NP-3
MeC3: Matapeake-----	0-16	Silt loam	CL, CL-ML, ML	A-4	0	0	100	100	80-100	80-100	20-33	3-9
	16-34	Silt loam, silty clay loam, loam	CL	A-6	0	0	100	100	80-100	80-100	27-45	10-22
	34-62	Sandy loam, loamy sand, sand	SM	A-4, A-2, A-3	0	0	95-100	90-100	55-70	5-40	15-19	NP-3
MeD2: Matapeake-----	0-16	Silt loam	CL, CL-ML, ML	A-4	0	0	100	100	80-100	80-100	20-33	3-9
	16-34	Silt loam, silty clay loam, loam	CL	A-6	0	0	100	100	80-100	80-100	27-45	10-22
	34-62	Sandy loam, loamy sand, sand	SM	A-2, A-3, A-4	0	0	95-100	90-100	55-70	5-40	15-19	NP-3
MeD3: Matapeake-----	0-16	Silt loam	ML, CL-ML, CL	A-4	0	0	100	100	80-100	80-100	20-33	3-9
	16-34	Silt loam, silty clay loam, loam	CL	A-6	0	0	100	100	80-100	80-100	27-45	10-22
	34-62	Sandy loam, loamy sand, sand	SM	A-2, A-3, A-4	0	0	95-100	90-100	55-70	5-40	15-19	NP-3
MkA: Matapeake-----	0-16	Silt loam	CL, CL-ML, ML	A-4	0	0	100	100	80-100	80-100	20-33	3-9
	16-34	Silt loam, silty clay loam, loam	CL	A-6	0	0	100	100	80-100	80-100	27-45	10-22
	34-62	Sandy loam, loamy sand, sand	SM	A-2, A-3, A-4	0	0	95-100	90-100	55-70	5-40	15-19	NP-3

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10	3-10	4	10	40	200		
					inches	inches						
	In				Pct	Pct					Pct	
MkB2: Matapeake-----	0-16	Silt loam	CL, CL-ML, ML	A-4	0	0	100	100	80-100	80-100	20-33	3-9
	16-34	Silt loam, silty clay loam, loam	CL	A-6	0	0	100	100	80-100	80-100	27-45	10-22
	34-62	Sandy loam, loamy sand, sand	SM	A-2, A-3, A-4	0	0	95-100	90-100	55-70	5-40	15-19	NP-3
MkC2: Matapeake-----	0-16	Silt loam	CL, CL-ML, ML	A-4	0	0	100	100	80-100	80-100	20-33	3-9
	16-34	Silt loam, silty clay loam, loam	CL	A-6	0	0	100	100	80-100	80-100	27-45	10-22
	34-62	Sandy loam, loamy sand, sand	SM	A-4, A-3, A-2	0	0	95-100	90-100	55-70	5-40	15-19	NP-3
MsB: Matapeake-----	0-16	Silt loam	CL, CL-ML, ML	A-4	0	0	100	100	80-100	80-100	20-33	3-9
	16-34	Silt loam, silty clay loam, loam	CL	A-6	0	0	100	100	80-100	80-100	27-45	10-22
	34-62	Sandy loam, loamy sand, sand	SM	A-2, A-3, A-4	0	0	95-100	90-100	55-70	5-40	15-19	NP-3
Sassafras-----	0-9	Sandy loam	SC, SC-SM, SM	A-2, A-4	0	0	85-100	80-100	50-85	25-55	12-32	NP-10
	9-40	Loam, sandy clay loam, sandy loam	CL, CL-ML, SC, SC-SM	A-2, A-4, A-6	0	0	85-100	80-100	50-95	25-75	20-33	5-15
	40-70	Stratified sand to gravelly sandy loam	SC, SC-SM, SM, SP-SM	A-1, A-2, A- 3, A-4	0	0	70-100	50-100	30-90	5-55	15-26	NP-8
Urban Land-----	---	---	---	---	---	---	---	---	---	---	---	---
MtA: Mattapex-----	0-15	Silt loam	CL, CL-ML	A-4	0	0	95-100	90-100	80-100	80-100	15-30	5-15
	15-48	Silty clay loam, silt loam	CL, CL-ML	A-4, A-6, A-7	0	0	100	100	90-100	85-95	24-45	7-21
	48-54	Fine sandy loam, loam, loamy sand	SM, SC, ML, CL	A-2, A-4, A-6	0	0	95-100	90-100	45-95	15-75	15-40	NP-18
	54-72	Sand, loamy sand	SM	A-2	0	0	95-100	90-100	43-85	15-40	10-15	NP

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10	3-10	4	10	40	200		
					inches	inches						
	In				Pct	Pct					Pct	
MtB2: Mattapex-----	0-15	Silt loam	CL, CL-ML	A-4	0	0	95-100	90-100	80-100	80-100	15-30	5-15
	15-48	Silty clay loam, silt loam	CL, CL-ML	A-4, A-6, A-7	0	0	100	100	90-100	85-95	24-45	7-21
	48-54	Fine sandy loam, loam, loamy sand	CL, ML, SC, SM	A-2, A-4, A-6	0	0	95-100	90-100	45-95	15-75	15-40	NP-18
	54-72	Sand, loamy sand	SM	A-2	0	0	95-100	90-100	43-85	15-40	10-15	NP
MtC2: Mattapex-----	0-15	Silt loam	CL, CL-ML	A-4	0	0	95-100	90-100	80-100	80-100	15-30	5-15
	15-48	Silty clay loam, silt loam	CL, CL-ML	A-4, A-6, A-7	0	0	100	100	90-100	85-95	24-45	7-21
	48-54	Fine sandy loam, loam, loamy sand	CL, ML, SC, SM	A-2, A-4, A-6	0	0	95-100	90-100	45-95	15-75	15-40	NP-18
	54-72	Sand, loamy sand	SM	A-2	0	0	95-100	90-100	43-85	15-40	10-15	NP
MtC3: Mattapex-----	0-15	Silt loam	CL-ML, CL	A-4	0	0	95-100	90-100	80-100	80-100	15-30	5-15
	15-48	Silty clay loam, silt loam	CL, CL-ML	A-4, A-6, A-7	0	0	100	100	90-100	85-95	24-45	7-21
	48-54	Fine sandy loam, loam, loamy sand	CL, ML, SC, SM	A-6, A-4, A-2	0	0	95-100	90-100	45-95	15-75	15-40	NP-18
	54-72	Sand, loamy sand	SM	A-2	0	0	95-100	90-100	43-85	15-40	10-15	NP
Mv: Mixed Alluvial Land-----	0-3	Loam	ML	A-4	0	0	90-100	90-100	75-90	50-65	20-25	NP-5
	3-60	Stratified gravelly coarse sand to loam	SM	A-1, A-2	0	0	80-95	80-95	45-70	20-35	---	NP

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10	3-10	4	10	40	200		
					inches	inches						
	In				Pct	Pct					Pct	
Montalto-----	0-11	Silt loam	CH, CL, ML	A-7, A-6	---	0-5	95-100	80-100	70-100	50-95	36-52	10-25
	11-45	Clay, silty clay, clay loam	CH, CL	A-7	---	0-5	95-100	80-100	70-100	60-95	40-54	18-27
	45-62	Loam, clay loam, silty clay loam	CH, CL, ML	A-6, A-7	---	0-10	90-100	80-100	70-100	50-95	38-52	13-25
NnC3: Neshaminy-----	0-11	Silty clay loam	ML	A-4, A-7	0	0-10	95-100	90-100	90-100	85-100	---	---
	11-54	Silt loam, gravelly silty clay loam, gravelly sandy clay loam	GM, MH, ML, SM	A-7, A-2, A- 4, A-6	0-1	0-40	60-100	55-100	45-100	30-75	25-55	NP-22
	54-58	Weathered bedrock			---	---	---	---	---	---	---	---
Montalto-----	0-11	Silty clay loam	CH, CL, ML	A-7, A-6	---	0-5	95-100	80-100	70-100	50-95	36-52	10-25
	11-45	Clay, silty clay, clay loam	CH, CL	A-7	---	0-5	95-100	80-100	70-100	60-95	40-54	18-27
	45-62	Loam, clay loam, silty clay loam	CH, CL, ML	A-7, A-6	---	0-10	90-100	80-100	70-100	50-95	38-52	13-25
NnD3: Neshaminy-----	0-11	Silty clay loam	ML	A-7, A-4	0	0-10	95-100	90-100	90-100	85-100	---	---
	11-54	Silt loam, gravelly silty clay loam, gravelly sandy clay loam	SM, ML, GM, MH	A-2, A-4, A- 6, A-7	0-1	0-40	60-100	55-100	45-100	30-75	25-55	NP-22
	54-58	Weathered bedrock			---	---	---	---	---	---	---	---
Montalto-----	0-11	Silty clay loam	CH, CL, ML	A-6, A-7	---	0-5	95-100	80-100	70-100	50-95	36-52	10-25
	11-45	Clay, silty clay, clay loam	CH, CL	A-7	---	0-5	95-100	80-100	70-100	60-95	40-54	18-27
	45-62	Loam, clay loam, silty clay loam	CH, CL, ML	A-7, A-6	---	0-10	90-100	80-100	70-100	50-95	38-52	13-25

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10	3-10	4	10	40	200		
					inches	inches						
	In				Pct	Pct					Pct	
Ot: Othello-----	0-10	Silt loam	ML, SM	A-4, A-6	0	0	100	100	70-100	40-95	23-37	NP-13
	10-30	Silty clay loam, silt loam	CL	A-6	0	0	100	100	90-100	70-95	29-40	10-19
	30-52	Sandy loam, loam, sandy clay loam	CL, CL-ML, ML, SM	A-6, A-4	0	0	90-100	85-100	50-90	25-65	15-35	NP-17
	52-72	Sand, loamy sand, loamy fine sand	SM, SP-SM	A-1, A-2	0	0	90-100	85-100	20-50	5-35	10-15	NP-5
Ou: Urban Land-----	---	---	---	---	---	---	---	---	---	---	---	---
Fallsington-----	0-11	Loam	SC-SM, SM, CL-ML, ML	A-4	0	0	95-100	90-100	65-90	40-70	15-20	NP-10
	11-27	Sandy loam, loam, sandy clay loam	CL, ML, SC, SM	A-6, A-2, A-4	0	0	95-100	90-100	65-85	30-55	15-30	NP-15
	27-60	Stratified sand to sandy clay loam	SM, SP-SM, CL	A-2, A-3	0	0	95-100	90-100	50-85	5-55	15-30	NP-15
Othello-----	0-10	Silt loam	ML, SM	A-4, A-6	0	0	100	100	70-100	40-95	23-37	NP-13
	10-30	Silty clay loam, silt loam	CL	A-6	0	0	100	100	90-100	70-95	29-40	10-19
	30-52	Sandy loam, loam, sandy clay loam	CL-ML, ML, SM, CL	A-4, A-6	0	0	90-100	85-100	50-90	25-65	15-35	NP-17
	52-72	Sand, loamy sand, loamy fine sand	SM, SP-SM	A-1, A-2	0	0	90-100	85-100	20-50	5-35	10-15	NP-5
Po: Pocomoke-----	0-10	Loam	SM, CL-ML	A-2, A-4	0	0	85-100	85-100	30-75	20-50	19-40	3-10
	10-28	Sandy loam, fine sandy loam, loam	ML, SM	A-2, A-4	0	0	85-100	85-100	40-85	5-65	15-40	NP-15
	28-40	Loamy sand	SM, SP-SM	A-1, A-2, A-3	0	0	80-100	70-100	30-75	10-25	10-22	NP-8
	40-60	Stratified sandy clay loam to sand	SC, SM, CL-ML	A-2, A-3, A-4	0	0	80-100	65-100	30-90	4-55	15-38	NP-15

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
RuB2: Rumford-----	0-17	Loamy sand	SM	A-2, A-1	0	0	90-100	85-100	45-75	15-30	15-20	NP
	17-37	Fine sandy loam, sandy loam, sandy clay loam	SC-SM, SM, SC	A-2, A-4, A-6	0	0	80-100	75-100	55-85	30-50	15-34	NP-12
	37-60	Stratified sandy loam to gravelly sand	GM, GP, SM, SP	A-1, A-2, A- 3, A-4	0	0	50-100	35-100	20-85	2-40	15-25	NP-6
RuC2: Rumford-----	0-17	Loamy sand	SM	A-1, A-2	0	0	90-100	85-100	45-75	15-30	15-20	NP
	17-37	Fine sandy loam, sandy loam, sandy clay loam	SC-SM, SM, SC	A-4, A-2, A-6	0	0	80-100	75-100	55-85	30-50	15-34	NP-12
	37-60	Stratified sandy loam to gravelly sand	GM, GP, SM, SP	A-1, A-2, A- 3, A-4	0	0	50-100	35-100	20-85	2-40	15-25	NP-6
SaA: Sassafras-----	0-9	Sandy loam	SC, SC-SM, SM	A-2, A-4	0	0	85-100	80-100	50-85	25-55	12-32	NP-10
	9-40	Loam, sandy clay loam, sandy loam	SC-SM, CL-ML, CL, SC	A-2, A-4, A-6	0	0	85-100	80-100	50-95	25-75	20-33	5-15
	40-70	Stratified sand to gravelly sandy loam	SC, SC-SM, SM, SP-SM	A-4, A-3, A- 1, A-2	0	0	70-100	50-100	30-90	5-55	15-26	NP-8
SaB2: Sassafras-----	0-9	Sandy loam	SC, SC-SM, SM	A-2, A-4	0	0	85-100	80-100	50-85	25-55	12-32	NP-10
	9-40	Loam, sandy clay loam, sandy loam	CL, CL-ML, SC, SC-SM	A-4, A-6, A-2	0	0	85-100	80-100	50-95	25-75	20-33	5-15
	40-70	Stratified sand to gravelly sandy loam	SC, SC-SM, SM, SP-SM	A-1, A-2, A- 3, A-4	0	0	70-100	50-100	30-90	5-55	15-26	NP-8
SaC2: Sassafras-----	0-9	Sandy loam	SC, SC-SM, SM	A-4, A-2	0	0	85-100	80-100	50-85	25-55	12-32	NP-10
	9-40	Loam, sandy clay loam, sandy loam	SC-SM, SC, CL-ML, CL	A-2, A-4, A-6	0	0	85-100	80-100	50-95	25-75	20-33	5-15
	40-70	Stratified sand to gravelly sandy loam	SC-SM, SC, SM, SP-SM	A-4, A-1, A- 2, A-3	0	0	70-100	50-100	30-90	5-55	15-26	NP-8

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10	3-10	4	10	40	200		
					inches	inches						
	In				Pct	Pct					Pct	
SaC3: Sassafras-----	0-9	Sandy loam	SC, SC-SM, SM	A-4, A-2	0	0	85-100	80-100	50-85	25-55	12-32	NP-10
	9-40	Loam, sandy clay loam, sandy loam	CL, CL-ML, SC, SC-SM	A-2, A-6, A-4	0	0	85-100	80-100	50-95	25-75	20-33	5-15
	40-70	Stratified sand to gravelly sandy loam	SC, SC-SM, SM, SP-SM	A-3, A-1, A- 2, A-4	0	0	70-100	50-100	30-90	5-55	15-26	NP-8
SaD2: Sassafras-----	0-9	Sandy loam	SC, SC-SM, SM	A-2, A-4	0	0	85-100	80-100	50-85	25-55	12-32	NP-10
	9-40	Loam, sandy clay loam, sandy loam	CL-ML, CL, SC-SM, SC	A-2, A-4, A-6	0	0	85-100	80-100	50-95	25-75	20-33	5-15
	40-70	Stratified sand to gravelly sandy loam	SC, SC-SM, SM, SP-SM	A-2, A-3, A- 4, A-1	0	0	70-100	50-100	30-90	5-55	15-26	NP-8
SaD3: Sassafras-----	0-9	Sandy loam	SC, SC-SM, SM	A-4, A-2	0	0	85-100	80-100	50-85	25-55	12-32	NP-10
	9-40	Loam, sandy clay loam, sandy loam	SC, SC-SM, CL-ML, CL	A-2, A-4, A-6	0	0	85-100	80-100	50-95	25-75	20-33	5-15
	40-70	Stratified sand to gravelly sandy loam	SP-SM, SM, SC-SM, SC	A-4, A-1, A- 2, A-3	0	0	70-100	50-100	30-90	5-55	15-26	NP-8
SmE: Sassafras-----	0-9	Sandy loam	SC, SM, SC-SM	A-4, A-2	0	0	85-100	80-100	50-85	25-55	12-32	NP-10
	9-40	Loam, sandy clay loam, sandy loam	CL-ML, SC, SC-SM, CL	A-2, A-4, A-6	0	0	85-100	80-100	50-95	25-75	20-33	5-15
	40-70	Stratified sand to gravelly sandy loam	SC, SC-SM, SM, SP-SM	A-1, A-2, A- 3, A-4	0	0	70-100	50-100	30-90	5-55	15-26	NP-8
Matapeake-----	0-16	Silt loam	ML, CL, CL-ML	A-4	0	0	100	100	80-100	80-100	20-33	3-9
	16-34	Silt loam, silty clay loam, loam	CL	A-6	0	0	100	100	80-100	80-100	27-45	10-22
	34-62	Sandy loam, loamy sand, sand	SM	A-4, A-3, A-2	0	0	95-100	90-100	55-70	5-40	15-19	NP-3

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10	3-10	4	10	40	200		
					inches	inches						
	In				Pct	Pct					Pct	
StB: Silty And Clayey Land-----	0-7 7-72	Silty clay loam Clay, silty clay, clay loam	CH, CL CH, CL	A-6, A-7 A-7	0 0	0 0	90-100 90-100	80-100 80-100	70-100 70-100	60-95 60-95	30-59 40-59	17-31 17-31
StC: Silty And Clayey Land-----	0-7 7-72	Silty clay loam Clay, silty clay, clay loam	CH, CL CH, CL	A-7, A-6 A-7	0 0	0 0	90-100 90-100	80-100 80-100	70-100 70-100	60-95 60-95	30-59 40-59	17-31 17-31
StE: Silty And Clayey Land-----	0-7 7-72	Clay Clay, silty clay, clay loam	CH, CL CL, CH	A-6, A-7 A-7	0 0	0 0	90-100 90-100	80-100 80-100	70-100 70-100	60-95 60-95	30-59 40-59	17-31 17-31
TaB2: Talleyville-----	0-10 10-44 44-51 51-64 64-72	Silt loam Silt loam, silty clay loam Silty clay loam, clay loam, silt loam Clay, silty clay Sandy clay, sandy clay loam, loam	ML CL, ML CH, CL CH CL, ML, SC	A-4, A-6 A-6, A-7 A-7 A-7 A-7, A-6	0 0 --- --- ---	0 0 0-10 0-10 0-10	100 100 85-100 85-100 85-100	95-100 95-100 80-100 80-100 80-95	85-100 85-100 70-100 70-100 65-90	65-90 65-95 55-95 60-95 30-70	32-40 38-50 45-60 50-62 35-46	8-14 12-23 21-34 24-34 10-20

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10	3-10	4	10	40	200		
					inches	inches						
	In				Pct	Pct					Pct	
TaC2: Talleyville-----	0-10	Silt loam	ML	A-6, A-4	0	0	100	95-100	85-100	65-90	32-40	8-14
	10-44	Silt loam, silty clay loam	CL, ML	A-6, A-7	0	0	100	95-100	85-100	65-95	38-50	12-23
	44-51	Silty clay loam, clay loam, silt loam	CH, CL	A-7	---	0-10	85-100	80-100	70-100	55-95	45-60	21-34
	51-64	Clay, silty clay	CH	A-7	---	0-10	85-100	80-100	70-100	60-95	50-62	24-34
	64-72	Sandy clay, sandy clay loam, loam	CL, SC, ML	A-6, A-7	---	0-10	85-100	80-95	65-90	30-70	35-46	10-20
Tm: Tidal Marsh-----	0-14		PT	A-8	0	0	---	---	---	---	---	NP
	14-72	Silt loam, very fine sandy loam	ML, OL	A-4	0	0	95-100	95-100	95-100	85-100	15-20	NP-3
Wa: Watchung-----	0-9	Silt loam	ML	A-4, A-6, A-7	---	0-15	85-100	80-100	70-100	50-95	35-45	8-14
	9-51	Clay, silty clay, silty clay loam	CH, CL	A-7	---	0-15	85-100	80-100	70-100	60-95	40-65	15-35
	51-66	Silt loam, silty clay loam, loam	ML	A-7, A-6	---	0-15	85-100	80-100	70-100	50-95	35-45	10-15
WCA: Watchung-----	0-9	Silt loam	ML	A-7, A-6, A-4	---	0-15	85-100	80-100	70-100	50-95	35-45	8-14
	9-51	Clay, silty clay, silty clay loam	CL, CH	A-7	---	0-15	85-100	80-100	70-100	60-95	40-65	15-35
	51-66	Silt loam, silty clay loam, loam	ML	A-6, A-7	---	0-15	85-100	80-100	70-100	50-95	35-45	10-15
Calvert-----	0-9	Silt loam	ML	A-4, A-6, A-7	---	0-15	85-100	80-100	70-100	50-95	35-45	8-14
	9-51	Clay, silty clay, silty clay loam	CH, CL	A-7	---	0-15	85-100	80-100	70-100	60-95	40-65	15-35
	51-66	Silt loam, silty clay loam, loam	ML	A-6, A-7	---	0-15	85-100	80-100	70-100	50-95	35-45	10-15

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
WcB: Watchung-----	0-9	Silt loam	ML	A-7, A-6, A-4	---	0-15	85-100	80-100	70-100	50-95	35-45	8-14
	9-51	Clay, silty clay, silty clay loam	CH, CL	A-7	---	0-15	85-100	80-100	70-100	60-95	40-65	15-35
	51-66	Silt loam, silty clay loam, loam	ML	A-6, A-7	---	0-15	85-100	80-100	70-100	50-95	35-45	10-15
Calvert-----	0-9	Silt loam	ML	A-4, A-6, A-7	---	0-15	85-100	80-100	70-100	50-95	35-45	8-14
	9-51	Clay, silty clay, silty clay loam	CL, CH	A-7	---	0-15	85-100	80-100	70-100	60-95	40-65	15-35
	51-66	Silt loam, silty clay loam, loam	ML	A-6, A-7	---	0-15	85-100	80-100	70-100	50-95	35-45	10-15
WoA: Woodstown-----	0-11	Sandy loam	SC-SM, SM, CL-ML	A-4, A-2	0	0	90-100	80-100	60-95	30-75	15-28	NP-7
	11-29	Sandy clay loam, loam, sandy loam	CL, CL-ML, ML, SM	A-2, A-4, A-6	0	0	90-100	70-100	45-90	25-60	15-32	NP-20
	29-60	Stratified gravelly sand to sandy loam	SC-SM, SM, SP-SM	A-1, A-2, A- 2-4, A-3	0	0	80-100	70-95	35-55	5-25	15-26	NP-6
WoB2: Woodstown-----	0-11	Sandy loam	SC-SM, SM, CL-ML	A-2, A-4	0	0	90-100	80-100	60-95	30-75	15-28	NP-7
	11-29	Sandy clay loam, loam, sandy loam	CL, CL-ML, ML, SM	A-2, A-4, A-6	0	0	90-100	70-100	45-90	25-60	15-32	NP-20
	29-60	Stratified gravelly sand to sandy loam	SM, SC-SM, SP-SM	A-2, A-2-4, A-3, A-1	0	0	80-100	70-95	35-55	5-25	15-26	NP-6
WsA: Woodstown-----	0-11	Loam	SC-SM, CL-ML, SM, ML	A-4	0	0	90-100	85-100	60-95	30-75	15-30	NP-10
	11-29	Sandy clay loam, loam, sandy loam	CL-ML, CL, ML, SM	A-6, A-2, A-4	0	0	90-100	70-100	45-90	25-60	15-32	NP-20
	29-60	Stratified gravelly sand to sandy loam	SC-SM, SM, SP-SM	A-3, A-2-4, A-2, A-1	0	0	80-100	70-95	35-55	5-25	15-26	NP-6

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10	3-10	4	10	40	200		
					inches	inches						
	In				Pct	Pct					Pct	
WsB2: Woodstown-----	0-11	Loam	CL-ML, ML, SM, SC-SM	A-4	0	0	90-100	85-100	60-95	30-75	15-30	NP-10
	11-29	Sandy clay loam, loam, sandy loam	CL-ML, ML, SM, CL	A-2, A-4, A-6	0	0	90-100	70-100	45-90	25-60	15-32	NP-20
	29-60	Stratified gravelly sand to sandy loam	SC-SM, SP-SM, SM	A-1, A-2, A- 2-4, A-3	0	0	80-100	70-95	35-55	5-25	15-26	NP-6

