Table H.--Engineering Index Properties

(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----------	0-10	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	ML, MH, CL	A-6, A-7	0	0	100	90-100	80-100	60-95	33-55	10-25
	22-36	Silty clay loam, silt loam	CL, ML, MH, CH	A-6, A-7	0	0	80-100	75-100	70-100	50-95	33-55	10-25
	36-60	Loam, silt loam	CL, ML	A-4, A-5, A-6, A-7	---	0-5	80-100	75-100	65-100	45-90	30-45	5-20
AdB2:												
Aldino----------	0-10	Silt loam	ML	A-5, A-4, A-7, A-6	0	0	100	90-100	80-100	60-100	30-45	5-12
	10-22	Silty clay loam, silt loam	CL, ML, MH	A-7, A-6	0	0	100	90-100	80-100	60-95	33-55	10-25
	22-36	Silty clay loam, silt loam	ML, MH, CL, CH	A-6, A-7	0	0	80-100	75-100	70-100	50-95	33-55	10-25
	36-60	Loam, silt loam	CL, ML	A-4, A-5, A-6, A-7	---	0-5	80-100	75-100	65-100	45-90	30-45	5-20
AuB2:												
Aura----------	0-8	Gravelly sandy loam	SC-SM, SM	A-2-4, A-4, A-1-b	0	0	60-100	60-95	35-70	20-40	15-23	NP-7
	8-59	Gravelly sandy loam, sandy clay loam, gravelly sandy clay loam	GC, SC	A-6, A-4, A-2-4, A-2-6	0	0	55-100	50-90	30-80	15-50	23-40	7-18
	59-72	Sand, gravelly sand, sandy clay loam	SC-SM, SC, SM	A-2-4, A-3, A-4, A-6	0	0	70-100	35-90	20-75	5-40	15-38	NP-17

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
AuC2:												
Aura----------	0-8	Gravelly sandy loam	SC-SM, SM	A-4, A-1-b, A-2-4	0	0	60-100	60-95	35-70	20-40	15-23	NP-7
	8-59	Gravelly sandy loam, sandy clay loam, gravelly sandy clay loam	GC, SC	A-6, A-4, A-2-6, A-2-4	0	0	55-100	50-90	30-80	15-50	23-40	7-18
	59-72	Sand, gravelly sand, sandy clay loam	SC, SC-SM, SM	A-2-4, A-3, A-4, A-6	0	0	70-100	35-90	20-75	5-40	15-38	NP-17
AvD2:												
Aura----------	0-8	Gravelly sandy loam	SM, SC-SM	A-1-b, A-2-4, A-4	0	0	60-100	60-95	35-70	20-40	15-23	NP-7
	8-59	Gravelly sandy loam, sandy clay loam, gravelly sandy clay loam	GC, SC	A-2-4, A-2-6, A-4, A-6	0	0	55-100	50-90	30-80	15-50	23-40	7-18
	59-72	Sand, gravelly sand, sandy clay loam	SC, SC-SM, SM	A-3, A-4, A-6, A-2-4	0	0	70-100	35-90	20-75	5-40	15-38	NP-17
BaA:												
Baile----------	0-9	Silt loam	MH, ML	A-7, A-6, A-4	---	0-10	85-100	80-100	70-100	50-95	33-67	7-24
	9-32	Silty clay loam, silt loam, clay loam	CL	A-6	0	0	90-100	80-100	70-100	55-95	28-34	11-14
	32-60	Loam, sandy loam, silt loam	ML, SC, SM, CL	A-6, A-4, A-2	0	0	80-100	80-100	50-100	25-90	15-35	NP-11
BaB:												
Baile----------	0-9	Silt loam	ML, MH	A-4, A-7, A-6	---	0-10	85-100	80-100	70-100	50-95	33-67	7-24
	9-32	Silty clay loam, silt loam, clay loam	CL	A-6	0	0	90-100	80-100	70-100	55-95	28-34	11-14
	32-60	Loam, sandy loam, silt loam	SM, SC, ML, CL	A-6, A-4, A-2	0	0	80-100	80-100	50-100	25-90	15-35	NP-11

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
BcA:												
Barclay---------	0-14	Silt loam	CL-ML, CL	A-4	0	0	95-100	90-100	80-100	80-100	15-30	5-15
	14-33	Silty clay loam, silt loam	CL-ML, CL	A-7, A-6, A-4	0	0	100	100	90-100	85-95	24-45	7-21
	33-60	Fine sandy loam, loam, loamy sand	CL, ML, SC, SM	A-4, A-2, A-6	0	0	95-100	90-100	45-95	15-75	15-40	NP-18
BcB:												
Barclay---------	0-14	Silt loam	CL, CL-ML	A-4	0	0	95-100	90-100	80-100	80-100	15-30	5-15
	14-33	Silty clay loam, silt loam	CL-ML, CL	A-7, A-6, A-4	0	0	100	100	90-100	85-95	24-45	7-21
	33-60	Fine sandy loam, loam, loamy sand	SC, CL, SM, ML	A-4, A-2, A-6	0	0	95-100	90-100	45-95	15-75	15-40	NP-18
BeA:												
Beltsville------	0-14	Silt loam	CL-ML, ML	A-4	0	0	85-100	80-100	70-100	50-90	22-26	3-7
	14-25	Silty clay loam, silt loam	CL	A-4, A-6	0	0	85-100	80-100	70-100	55-95	29-32	9-12
	25-50	Silty clay loam, silt loam, loam	CL	A-6, A-4	0	0	85-100	80-100	70-100	50-95	29-34	9-14
	50-72	Gravelly sandy loam, sandy loam, clay loam	GM, SM, ML, CL	A-1-b, A-2, A-4, A-6	0	0	60-100	50-100	30-100	15-90	18-34	3-16
BeB2:												
Beltsville------	0-14	Silt loam	ML, CL-ML	A-4	0	0	85-100	80-100	70-100	50-90	22-26	3-7
	14-25	Silty clay loam, silt loam	CL	A-4, A-6	0	0	85-100	80-100	70-100	55-95	29-32	9-12
	25-50	Silty clay loam, silt loam, loam	CL	A-6, A-4	0	0	85-100	80-100	70-100	50-95	29-34	9-14
	50-72	Gravelly sandy loam, sandy loam, clay loam	SM, ML, GM, CL	A-1-b, A-2, A-4, A-6	0	0	60-100	50-100	30-100	15-90	18-34	3-16

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
BeC2:												
Beltsville------	0-14	Silt loam	CL-ML, ML	A-4	0	0	85-100	80-100	70-100	50-90	22-26	3-7
	14-25	Silty clay loam, silt loam	CL	A-4, A-6	0	0	85-100	80-100	70-100	55-95	29-32	9-12
	25-50	Silty clay loam, silt loam, loam	CL	A-4, A-6	0	0	85-100	80-100	70-100	50-95	29-34	9-14
	50-72	Gravelly sandy loam, sandy loam, clay loam	SM, GM, CL, ML	A-4, A-6, A-1-b, A-2	0	0	60-100	50-100	30-100	15-90	18-34	3-16
BeC3:												
Beltsville------	0-14	Silt loam	CL-ML, ML	A-4	0	0	85-100	80-100	70-100	50-90	22-26	3-7
	14-25	Silty clay loam, silt loam	CL	A-4, A-6	0	0	85-100	80-100	70-100	55-95	29-32	9-12
	25-50	Silty clay loam, silt loam, loam	CL	A-4, A-6	0	0	85-100	80-100	70-100	50-95	29-34	9-14
	50-72	Gravelly sandy loam, sandy loam, clay loam	SM, ML, CL, GM	A-1-b, A-2, A-6, A-4	0	0	60-100	50-100	30-100	15-90	18-34	3-16
BuA:												
Butlertown------	0-16	Silt loam	CL-ML, CL	A-4	0	0	95-100	90-100	80-100	80-100	15-30	5-15
	16-34	Silt loam, silty clay loam, very fine sandy loam	ML, CL	A-6, A-4	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-6, A-4	0	0	100	95-100	90-100	85-100	22-38	6-16
	49-60	Silt loam, very fine sand, loam	ML, CL, 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: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
BuB2:												
Butlertown------	0-16	Silt loam	CL-ML, CL	A-4	0	0	95-100	90-100	80-100	80-100	15-30	5-15
	16-34	Silt loam, silty clay loam, very fine sandy loam	CL, ML	A-6, A-4	0	0	100	95-100	90-100	85-100	33-40	9-16
	34-49	Silt loam, very fine sandy loam	CL-ML, CL	A-6, A-4	0	0	100	95-100	90-100	85-100	22-38	6-16
	49-60	Silt loam, very fine sand, loam	ML, SC, SM, CL	A-4, A-2	0	0	90-100	85-100	75-100	30-90	15-30	NP-10
BuC2:												
Butlertown------	0-16	Silt loam	CL-ML, CL	A-4	0	0	95-100	90-100	80-100	80-100	15-30	5-15
	16-34	Silt loam, silty clay loam, very fine sandy loam	CL, ML	A-6, A-4	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	ML, SM, SC, CL	A-2, A-4	0	0	90-100	85-100	75-100	30-90	15-30	NP-10
BuC3:												
Butlertown------	0-16	Silt loam	CL-ML, CL	A-4	0	0	95-100	90-100	80-100	80-100	15-30	5-15
	16-34	Silt loam, silty clay loam, very fine sandy loam	ML, CL	A-6, A-4	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, SC, ML, 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: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
BuD2:												
Butlertown------	0-16	Silt loam	CL-ML, CL	A-4	0	0	95-100	90-100	80-100	80-100	15-30	5-15
	16-34	Silt loam, silty clay loam, very fine sandy loam	CL, ML	A-6, A-4	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-4, A-2	0	0	90-100	85-100	75-100	30-90	15-30	NP-10
CeA:												
Chester---------	0-8	Silt loam	CL-ML, CL	A-4	0	0-10	85-100	80-100	70-100	50-90	22-27	5-10
	8-42	Silty clay loam, silt loam, clay loam	ML, CL	A-4, A-6, A-7	0	0-10	85-100	80-100	70-100	55-95	30-50	8-17
	42-62	Silt loam, loam, sandy loam	ML, SM, SC	A-7, A-4, A-2	0	0-10	80-100	80-100	60-100	30-90	15-47	4-12
CeB2:												
Chester---------	0-8	Silt loam	CL, CL-ML	A-4	0	0-10	85-100	80-100	70-100	50-90	22-27	5-10
	8-42	Silty clay loam, silt loam, clay loam	CL, ML	A-6, A-7, A-4	0	0-10	85-100	80-100	70-100	55-95	30-50	8-17
	42-62	Silt loam, loam, sandy loam	ML, SM, SC	A-7, A-4, A-2	0	0-10	80-100	80-100	60-100	30-90	15-47	4-12
ChB2:												
Chillum---------	0-8	Silt loam	CL-ML, ML, CL	A-4	0	0	100	100	85-100	60-90	20-30	2-10
	8-28	Silt loam, silty clay loam	CL, CL-ML	A-6, A-4, A-7	0	0	100	100	90-100	70-95	26-44	6-20
	28-72	Very gravelly sandy loam, gravelly sandy loam	GP-GM, SM, GM, SP-SM	A-2, A-1	0	0	25-90	15-75	10-50	5-30	0-14	NP

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
ChC2:												
Chillum---------	0-8	Silt loam	CL, CL-ML, ML	A-4	0	0	100	100	85-100	60-90	20-30	2-10
	8-28	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6, A-7	0	0	100	100	90-100	70-95	26-44	6-20
	28-72	Very gravelly sandy loam, gravelly sandy loam	GM, GP-GM, SM, SP-SM	A-2, A-1	0	0	25-90	15-75	10-50	5-30	0-14	NP
ChC3:												
Chillum---------	0-8	Silt loam	CL, CL-ML, ML	A-4	0	0	100	100	85-100	60-90	20-30	2-10
	8-28	Silt loam, silty clay loam	CL-ML, CL	A-4, A-6, A-7	0	0	100	100	90-100	70-95	26-44	6-20
	28-72	Very gravelly sandy loam, gravelly sandy loam	GM, GP-GM, SM, SP-SM	A-2, A-1	0	0	25-90	15-75	10-50	5-30	0-14	NP
ChD2:												
Chillum---------	0-8	Silt loam	CL, CL-ML, ML	A-4	0	0	100	100	85-100	60-90	20-30	2-10
	8-28	Silt loam, silty clay loam	CL, CL-ML	A-7, A-6, A-4	0	0	100	100	90-100	70-95	26-44	6-20
	28-72	Very gravelly sandy loam, gravelly sandy loam	GM, GP-GM, SM, SP-SM	A-2, A-1	0	0	25-90	15-75	10-50	5-30	0-14	NP
ChD3:												
Chillum---------	0-8	Silt loam	ML, CL-ML, CL	A-4	0	0	100	100	85-100	60-90	20-30	2-10
	8-28	Silt loam, silty clay loam	CL, CL-ML	A-6, A-7, A-4	0	0	100	100	90-100	70-95	26-44	6-20
	28-72	Very gravelly sandy loam, gravelly sandy loam	GM, GP-GM, SM, SP-SM	A-1, A-2	0	0	25-90	15-75	10-50	5-30	0-14	NP
ClB2:												
Christiana------	0-9	Fine sandy loam	CL, CL-ML, SC	A-4, A-2-4	0	0	90-100	80-100	55-100	30-90	22-30	5-9
	9-84	Clay, silty clay, clay loam	CH, CL	A-7	0	0	90-100	80-100	70-100	60-95	40-59	17-31

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
CmB2:												
Chrome----------	0-7	Silt loam	ML, CL-ML	A-4, A-6, A-7	---	0-5	90-100	90-100	80-95	70-95	25-45	4-15
	7-15	Clay loam, gravelly silty clay, gravelly clay loam	CH, CL	A-6, A-7	---	0-10	65-100	60-80	55-75	50-70	35-60	20-45
	15-30	Loam, gravelly silty clay, very gravelly clay loam	CH, GC	A-2, A-6, A-7	---	0-25	55-90	20-85	20-70	15-60	20-60	10-45
	30-34	Weathered bedrock			---	---	---	---	---	---	---	---
CmC2:												
Chrome----------	0-7	Silt loam	CL-ML, ML	A-7, A-6, A-4	---	0-5	90-100	90-100	80-95	70-95	25-45	4-15
	7-15	Clay loam, gravelly silty clay, gravelly clay loam	CH, CL	A-6, A-7	---	0-10	65-100	60-80	55-75	50-70	35-60	20-45
	15-30	Loam, gravelly silty clay, very gravelly clay loam	CH, GC	A-2, A-6, A-7	---	0-25	55-90	20-85	20-70	15-60	20-60	10-45
	30-34	Weathered bedrock			---	---	---	---	---	---	---	---
CmD2:												
Chrome----------	0-7	Silt loam	CL-ML, ML	A-6, A-7, A-4	---	0-5	90-100	90-100	80-95	70-95	25-45	4-15
	7-15	Clay loam, gravelly silty clay, gravelly clay loam	CH, CL	A-6, A-7	---	0-10	65-100	60-80	55-75	50-70	35-60	20-45
	15-30	Loam, gravelly silty clay, very gravelly clay loam	GC, CH	A-6, A-7, A-2	---	0-25	55-90	20-85	20-70	15-60	20-60	10-45
	30-34	Weathered bedrock			---	---	---	---	---	---	---	---

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
CnD3:												
Chrome----------	0-7	Clay loam	CL-ML, ML	A-4, A-6, A-7	---	0-5	90-100	90-100	80-95	70-95	25-45	4-15
	7-15	Clay loam, gravelly silty clay, gravelly clay loam	CH, CL	A-6, A-7	---	0-10	65-100	60-80	55-75	50-70	35-60	20-45
	15-30	Loam, gravelly silty clay, very gravelly clay loam	GC, CH	A-2, A-6, A-7	---	0-25	55-90	20-85	20-70	15-60	20-60	10-45
	30-34	Weathered bedrock			---	---	---	---	---	---	---	---
CnE3:												
Chrome----------	0-7	Clay loam	ML, CL-ML	A-6, A-4, A-7	---	0-5	90-100	90-100	80-95	70-95	25-45	4-15
	7-15	Clay loam, gravelly silty clay, gravelly clay loam	CH, CL	A-6, A-7	---	0-10	65-100	60-80	55-75	50-70	35-60	20-45
	15-30	Loam, gravelly silty clay, very gravelly clay loam	CH, GC	A-2, A-6, A-7	---	0-25	55-90	20-85	20-70	15-60	20-60	10-45
	30-34	Weathered bedrock			---	---	---	---	---	---	---	---
Co:												
Coastal Beaches-	0-6	Sand	SP	A-3, A-1	0	0	100	75-100	5-85	0-5	0-14	NP
	6-60	Coarse sand, sand, fine sand	SP	A-1, A-3	0	0	100	75-100	5-85	0-5	0-14	NP
Cp:												
Clay Pits-------	0-7	Clay	CL, CH	A-6, A-7	0	0	90-100	80-100	70-100	60-95	30-59	17-31
	7-72	Clay, silty clay, clay loam	CL, CH	A-7	0	0	90-100	80-100	70-100	60-95	40-59	17-31
Cr:												
Codorus---------	0-18	Silt loam	ML, CL-ML, CL	A-4, A-6	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-6, A-4	0	0	80-100	75-100	65-100	55-85	22-35	2-12
	54-60	Stratified gravelly sand to gravelly silt	SM, ML, GM	A-4, A-1, A-2	0	0	25-100	20-100	20-85	15-65	15-35	NP-7

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
CsB2:												
Collington------	0-13	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-ML, CL, 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-2-4, A-4	0	0	95-100	95-100	50-70	10-40	15-30	NP-10
CsC2:												
Collington------	0-13	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	SC, CL-ML, 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-2-4	0	0	95-100	95-100	50-70	10-40	15-30	NP-10
CtB2:												
Collington------	0-7	Silt loam	CL, SC	A-2-4, A-4	0	0	95-100	95-100	60-95	30-85	20-30	5-10
	7-44	Sandy clay loam, sandy loam, clay loam	SC, CL-ML, CL	A-4, A-5, A-6, A-7-6	0	0	95-100	95-100	75-100	35-70	20-45	5-25
	44-60	Stratified sand to sandy loam	SC, SC-SM, SM	A-2-4, A-4	0	0	95-100	95-100	50-70	10-40	15-30	NP-10
CtC2:												
Collington------	0-7	Silt loam	CL, SC	A-2-4, A-4	0	0	95-100	95-100	60-95	30-85	20-30	5-10
	7-44	Sandy clay loam, sandy loam, clay loam	CL-ML, CL, SC	A-5, A-6, A-4, A-7-6	0	0	95-100	95-100	75-100	35-70	20-45	5-25
	44-60	Stratified sand to sandy loam	SC, SC-SM, SM	A-2-4, A-4	0	0	95-100	95-100	50-70	10-40	15-30	NP-10
CtC3:												
Collington------	0-7	Silt loam	SC, CL	A-2-4, A-4	0	0	95-100	95-100	60-95	30-85	20-30	5-10
	7-44	Sandy clay loam, sandy loam, clay loam	CL-ML, CL, SC	A-4, A-5, A-6, A-7-6	0	0	95-100	95-100	75-100	35-70	20-45	5-25
	44-60	Stratified sand to sandy loam	SM, SC-SM, SC	A-4, 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: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
CtD2:												
Collington------	0-7	Silt loam	CL, SC	A-2-4, A-4	0	0	95-100	95-100	60-95	30-85	20-30	5-10
	7-44	Sandy clay loam, sandy loam, clay loam	SC, CL-ML, CL	A-4, A-5, A-6, A-7-6	0	0	95-100	95-100	75-100	35-70	20-45	5-25
	44-60	Stratified sand to sandy loam	SM, SC-SM, SC	A-2-4, A-4	0	0	95-100	95-100	50-70	10-40	15-30	NP-10
CtD3:												
Collington------	0-7	Silt loam	CL, SC	A-2-4, A-4	0	0	95-100	95-100	60-95	30-85	20-30	5-10
	7-44	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
	44-60	Stratified sand to sandy loam	SC, SC-SM, SM	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	SM, SC, CL, ML	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
CwC:												
Conowingo-------	0-9	Silt loam	CL	A-6, A-7	0	0	85-100	80-100	70-100	55-95	30-45	12-20
	9-27	Silty clay loam, clay loam	CL, CH, MH, ML	A-6, A-7	0	0	85-100	80-100	75-100	55-90	35-60	15-28
	27-32	Silty clay loam, silt loam	CH, CL, MH, ML	A-6, A-7	0	0	85-100	80-100	70-100	55-95	35-55	15-25
	32-60	Gravelly silt loam, silty clay loam, clay loam	GM, ML, SM	A-6, A-4	0	0-10	60-100	50-100	45-100	35-90	15-40	8-14

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas-ticity index
	In				Pct	Pct					Pct	
ElA:												
Elkton----------	0-6	Mucky silt loam	CL, CL-ML, OL	A-4, A-8	0	0	100	100	90-100	75-95	15-45	5-15
	6-15	Silt loam	CL, CL-ML	A-4, A-6	0	0	100	100	90-100	80-95	20-35	5-15
	15-40	Silty clay loam, silty clay	CH, CL	A-6, A-7	0	0	100	100	95-100	80-95	30-55	10-30
	40-65	Clay loam, very fine sandy loam, loam	CL, CL-ML, SC-SM	A-4, A-6	0	0	100	100	70-95	45-85	15-40	5-20
	65-72	Fine sand, loamy fine sand	SC-SM, SM	A-2, A-3	0	0	90-100	85-100	60-85	5-40	15-20	NP-10
Elkton----------	0-15	Loam	CL-ML, ML	A-4, A-6	0	0	100	100	90-100	50-95	25-45	5-15
	15-36	Silty clay loam, silty clay	CH, CL	A-6, A-7	0	0	100	100	95-100	85-95	30-55	10-35
	36-65	Very fine sandy loam	CL, ML, SC	A-4	0	0	100	95-100	85-95	45-75	20-30	NP-10
ElB:												
Elkton----------	0-6	Mucky silt loam	CL, CL-ML, OL	A-4, A-8	0	0	100	100	90-100	75-95	15-45	5-15
	6-15	Silt loam	CL, CL-ML	A-4, A-6	0	0	100	100	90-100	80-95	20-35	5-15
	15-40	Silty clay loam, silty clay	CH, CL	A-6, A-7	0	0	100	100	95-100	80-95	30-55	10-30
	40-65	Clay loam, very fine sandy loam, loam	CL, CL-ML, SC-SM	A-4, A-6	0	0	100	100	70-95	45-85	15-40	5-20
	65-72	Fine sand, loamy fine sand	SC-SM, SM	A-2, A-3	0	0	90-100	85-100	60-85	5-40	15-20	NP-10
Elkton----------	0-15	Loam	CL-ML, ML	A-4, A-6	0	0	100	100	90-100	50-95	25-45	5-15
	15-36	Silty clay loam, silty clay	CH, CL	A-6, A-7	0	0	100	100	95-100	85-95	30-55	10-35
	36-65	Very fine sandy loam	CL, ML, SC	A-4	0	0	100	95-100	85-95	45-75	20-30	NP-10

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas-ticity index
	In				Pct	Pct					Pct	
EmA:												
Elkton----------	0-6	Mucky silt loam	CL, CL-ML, OL	A-4, A-8	0	0	100	100	90-100	75-95	15-45	5-15
	6-15	Silt loam	CL, CL-ML	A-4, A-6	0	0	100	100	90-100	80-95	20-35	5-15
	15-40	Silty clay loam, silty clay	CH, CL	A-6, A-7	0	0	100	100	95-100	80-95	30-55	10-30
	40-65	Clay loam, very fine sandy loam, loam	CL, CL-ML, SC-SM	A-4, A-6	0	0	100	100	70-95	45-85	15-40	5-20
	65-72	Fine sand, loamy fine sand	SC-SM, SM	A-2, A-3	0	0	90-100	85-100	60-85	5-40	15-20	NP-10
Elkton----------	0-10	Silt loam	CL-ML, ML	A-4, A-6	0	0	100	100	90-100	50-95	25-45	5-15
	10-40	Silty clay loam, silty clay	CH, CL	A-6, A-7	0	0	100	100	95-100	85-95	30-55	10-35
	40-65	Very fine sandy loam	CL, ML, SC	A-4	0	0	100	95-100	85-95	45-75	20-30	NP-10
EmB:												
Elkton----------	0-6	Mucky silt loam	CL, CL-ML, OL	A-4, A-8	0	0	100	100	90-100	75-95	15-45	5-15
	6-15	Silt loam	CL, CL-ML	A-4, A-6	0	0	100	100	90-100	80-95	20-35	5-15
	15-40	Silty clay loam, silty clay	CH, CL	A-6, A-7	0	0	100	100	95-100	80-95	30-55	10-30
	40-65	Clay loam, very fine sandy loam, loam	CL, CL-ML, SC-SM	A-4, A-6	0	0	100	100	70-95	45-85	15-40	5-20
	65-72	Fine sand, loamy fine sand	SC-SM, SM	A-2, A-3	0	0	90-100	85-100	60-85	5-40	15-20	NP-10
Elkton----------	0-10	Silt loam	CL-ML, ML	A-4, A-6	0	0	100	100	90-100	50-95	25-45	5-15
	10-40	Silty clay loam, silty clay	CH, CL	A-6, A-7	0	0	100	100	95-100	85-95	30-55	10-35
	40-65	Very fine sandy loam	CL, ML, SC	A-4	0	0	100	95-100	85-95	45-75	20-30	NP-10

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
EoA:												
Elsinboro-------	0-15	Silt loam	SC, CL	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	SC, ML, SM, CL	A-2, A-4, A-6, A-7	---	0-10	65-100	50-100	30-90	15-55	10-45	2-20
EoB2:												
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	ML, SC, SM, CL	A-7, A-6, A-4, A-2	---	0-10	65-100	50-100	30-90	15-55	10-45	2-20
EoC2:												
Elsinboro-------	0-15	Silt loam	SC, CL	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
EvB:												
Evesboro--------	0-16	Loamy sand	SP, SP-SM	A-1, A-2, A-3	0	0	90-100	85-100	40-90	0-12	10-15	NP-3
	16-40	Sand, loamy sand	SP, SP-SM	A-3, A-2, A-1	0	0	90-100	85-100	40-90	0-12	10-15	NP-3
	40-72	Stratified sand to sandy loam	SM, SP, SP-SM, SC-SM	A-2, A-3, A-1	0	0	75-100	65-100	35-95	0-35	10-15	NP-5
EvD:												
Evesboro--------	0-16	Loamy sand	SP-SM, SP	A-1, A-2, A-3	0	0	90-100	85-100	40-90	0-12	10-15	NP-3
	16-40	Sand, loamy sand	SP-SM, SP	A-3, A-1, A-2	0	0	90-100	85-100	40-90	0-12	10-15	NP-3
	40-72	Stratified sand to sandy loam	SP-SM, SC-SM, SM, SP	A-1, A-3, A-2	0	0	75-100	65-100	35-95	0-35	10-15	NP-5

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
EvE:												
Evesboro--------	0-4	Loamy sand	SP-SM, SP	A-3, A-2, A-1	0	0	90-100	85-100	40-90	0-12	10-15	NP-3
	4-34	Sand, loamy sand	SP-SM, SP	A-1, A-2, A-3	0	0	90-100	85-100	40-90	0-12	10-15	NP-3
	34-60	Stratified sand to sandy loam	SM, SP, SP-SM, SC-SM	A-2, A-1, A-3	0	0	75-100	65-100	35-95	0-35	10-15	NP-5
FaA:												
Fallsington-----	0-11	Sandy loam	CL-ML, ML, SM, SC-SM	A-2, A-4	0	0	95-100	90-100	65-90	30-60	15-19	NP-5
	11-36	Sandy loam, loam, sandy clay loam	ML, SC, SM, CL	A-6, A-4, A-2	0	0	95-100	90-100	65-85	30-55	15-30	NP-15
	36-55	Stratified sand to sandy clay loam	SP-SM, SM, CL	A-2, A-3	0	0	95-100	90-100	50-85	5-55	15-30	NP-15
FaB:												
Fallsington-----	0-11	Sandy loam	SM, SC-SM, ML, CL-ML	A-2, A-4	0	0	95-100	90-100	65-90	30-60	15-19	NP-5
	11-36	Sandy loam, loam, sandy clay loam	CL, ML, SC, SM	A-2, A-4, A-6	0	0	95-100	90-100	65-85	30-55	15-30	NP-15
	36-55	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
FaC:												
Fallsington-----	0-11	Sandy loam	SC-SM, SM, ML, CL-ML	A-4, A-2	0	0	95-100	90-100	65-90	30-60	15-19	NP-5
	11-36	Sandy loam, loam, sandy clay loam	SM, CL, ML, SC	A-2, A-4, A-6	0	0	95-100	90-100	65-85	30-55	15-30	NP-15
	36-55	Stratified sand to sandy clay loam	CL, SM, SP-SM	A-3, A-2	0	0	95-100	90-100	50-85	5-55	15-30	NP-15
FmA:												
Fallsington-----	0-10	Loam	CL-ML, ML, SC-SM, SM	A-4	0	0	95-100	90-100	65-90	40-70	15-20	NP-10
	10-32	Sandy loam, loam, sandy clay loam	SC, SM, ML, CL	A-6, A-4, A-2	0	0	95-100	90-100	65-85	30-55	15-30	NP-15
	32-72	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

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
FmB:												
Fallsington-----	0-10	Loam	CL-ML, ML, SC-SM, SM	A-4	0	0	95-100	90-100	65-90	40-70	15-20	NP-10
	10-32	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
	32-72	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
GeA:												
Glenelg---------	0-6	Silt 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-7, A-6, A-4	---	0-10	60-100	50-100	45-100	35-95	34-46	9-15
	24-65	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
GeB2:												
Glenelg---------	0-6	Silt 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-4, A-6, A-7	---	0-10	60-100	50-100	45-100	35-95	34-46	9-15
	24-65	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
GeC2:												
Glenelg---------	0-6	Silt 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-7, A-6, A-4	---	0-10	60-100	50-100	45-100	35-95	34-46	9-15
	24-65	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: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
GeC3:												
Glenelg---------	0-6	Silt 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-4, A-6, A-7	---	0-10	60-100	50-100	45-100	35-95	34-46	9-15
	24-65	Loam, sandy loam, channery loam	GM, ML, SM	A-4, A-2	---	0-50	60-100	50-100	40-95	25-75	15-40	NP-6
GeD2:												
Glenelg---------	0-6	Silt 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
	24-65	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
GeD3:												
Glenelg---------	0-6	Silt 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-6, A-7, A-4	---	0-10	60-100	50-100	45-100	35-95	34-46	9-15
	24-65	Loam, sandy loam, channery loam	GM, ML, SM	A-4, A-2	---	0-50	60-100	50-100	40-95	25-75	15-40	NP-6
GeE:												
Glenelg---------	0-6	Silt 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-6, A-7	---	0-10	60-100	50-100	45-100	35-95	34-46	9-15
	24-65	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: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
GnA:												
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-6, A-4	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, GM, CL-ML	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, GM, CL-ML	A-4, A-2, A-1	0	0-20	45-90	20-75	10-75	5-65	25-35	5-10
GnC2:												
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, 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	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

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
Gv:												
Gravel And Borrow Pi------	0-3	Extremely gravelly sand	GW	A-1	---	0-25	10-25	5-25	0-15	0-5	0-14	NP
	3-60	Extremely gravelly sand, extremely gravelly coarse sand, very gravelly coarse sand	SW, SP, GW, GP	A-1	---	0-25	10-55	5-50	0-15	0-5	0-14	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	SC, SM, GM, GC	A-1, A-2	0	0	50-85	45-80	45-80	15-35	15-32	NP-14
KeA:												
Keyport---------	0-10	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-4, A-6, A-2, A-7	0	0	95-100	95-100	60-95	25-85	15-55	NP-30
KeB2:												
Keyport---------	0-10	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-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-7, A-6, A-4, 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: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
KeC2:												
Keyport---------	0-10	Loam	CL, ML, 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	ML, MH, CL, CH	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-ML, SC, SC-SM, CL	A-6, A-4, A-2, A-7	0	0	95-100	95-100	60-95	25-85	15-55	NP-30
KpA:												
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, CL, CH, 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, SC-SM, CL-ML, CL	A-2, A-4, A-6, A-7	0	0	95-100	95-100	60-95	25-85	15-55	NP-30
KpB2:												
Keyport---------	0-10	Silt loam	ML, CL-ML, CL	A-4	0	0	95-100	95-100	90-100	65-85	20-30	3-10
	10-60	Silty clay loam, clay loam, clay	CL, MH, ML, CH	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-ML, SC, CL	A-4, A-6, A-7, A-2	0	0	95-100	95-100	60-95	25-85	15-55	NP-30
KpC2:												
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	SC, SC-SM, CL, CL-ML	A-7, A-6, A-4, A-2	0	0	95-100	95-100	60-95	25-85	15-55	NP-30
KpD2:												
Keyport---------	0-10	Silt loam	ML, CL-ML, CL	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, MH, CL, CH	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-7, A-6, A-4, A-2	0	0	95-100	95-100	60-95	25-85	15-55	NP-30
KsB3:												
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-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-ML, SC-SM, SC, CL	A-7, A-6, A-4, 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: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
KsC3:												
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
LeB2:												
Legore----------	0-10	Silt loam	CL	A-4, A-6	0	0-5	85-100	80-100	70-100	50-95	15-40	7-15
	10-24	Gravelly silty clay loam, clay loam, silty clay loam	ML, SM, MH	A-7	0	0-15	80-100	50-100	50-100	40-95	40-65	14-30
	24-66	Gravelly silt loam, silty clay loam, sandy loam	SM, GM, ML	A-2, A-4, A-5, A-7	0	0-15	60-100	50-100	45-100	25-95	15-50	NP-15
	66-70	Unweathered bedrock			---	---	---	---	---	---	---	---
LeC2:												
Legore----------	0-10	Silt loam	CL	A-4, A-6	0	0-5	85-100	80-100	70-100	50-95	15-40	7-15
	10-24	Gravelly silty clay loam, clay loam, silty clay loam	MH, ML, SM	A-7	0	0-15	80-100	50-100	50-100	40-95	40-65	14-30
	24-66	Gravelly silt loam, silty clay loam, sandy loam	GM, ML, SM	A-2, A-4, A-5, A-7	0	0-15	60-100	50-100	45-100	25-95	15-50	NP-15
	66-70	Unweathered bedrock			---	---	---	---	---	---	---	---

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
LeD2:												
Legore----------	0-10	Silt loam	CL	A-4, A-6	0	0-5	85-100	80-100	70-100	50-95	15-40	7-15
	10-24	Gravelly silty clay loam, clay loam, silty clay loam	ML, SM, MH	A-7	0	0-15	80-100	50-100	50-100	40-95	40-65	14-30
	24-66	Gravelly silt loam, silty clay loam, sandy loam	GM, ML, SM	A-7, A-5, A-4, A-2	0	0-15	60-100	50-100	45-100	25-95	15-50	NP-15
	66-70	Unweathered bedrock			---	---	---	---	---	---	---	---
LgC3:												
Legore----------	0-10	Silty clay loam	CL	A-6, A-4	0	0-5	85-100	80-100	70-100	50-95	15-40	7-15
	10-24	Gravelly silty clay loam, clay loam, silty clay loam	MH, ML, SM	A-7	0	0-15	80-100	50-100	50-100	40-95	40-65	14-30
	24-66	Gravelly silt loam, silty clay loam, sandy loam	GM, ML, SM	A-2, A-7, A-5, A-4	0	0-15	60-100	50-100	45-100	25-95	15-50	NP-15
	66-70	Unweathered bedrock			---	---	---	---	---	---	---	---
LgE3:												
Legore----------	0-10	Silty clay loam	CL	A-6, A-4	0	0-5	85-100	80-100	70-100	50-95	15-40	7-15
	10-24	Gravelly silty clay loam, clay loam, silty clay loam	SM, ML, MH	A-7	0	0-15	80-100	50-100	50-100	40-95	40-65	14-30
	24-66	Gravelly silt loam, silty clay loam, sandy loam	ML, GM, SM	A-5, A-4, A-2, A-7	0	0-15	60-100	50-100	45-100	25-95	15-50	NP-15
	66-70	Unweathered bedrock			---	---	---	---	---	---	---	---

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
LoA:												
Leonardtown-----	0-12	Silt loam	ML, SM	A-4, A-2-4	0	0	85-100	80-100	55-100	30-90	15-35	5-10
	12-49	Silt loam, silty clay loam	CL-ML, CL	A-6, A-4	0	0	85-100	80-100	70-100	55-95	15-35	5-15
	49-70	Loam, gravelly sandy loam, clay loam	ML, SC, SM, CL	A-1, A-2, A-4, A-6	0	0	65-100	50-100	30-100	15-95	15-40	3-20
LoB:												
Leonardtown-----	0-12	Silt loam	ML, SM	A-2-4, A-4	0	0	85-100	80-100	55-100	30-90	15-35	5-10
	12-49	Silt loam, silty clay loam	CL-ML, CL	A-6, A-4	0	0	85-100	80-100	70-100	55-95	15-35	5-15
	49-70	Loam, gravelly sandy loam, clay loam	ML, SC, CL, SM	A-1, A-2, A-4, A-6	0	0	65-100	50-100	30-100	15-95	15-40	3-20
LyC:												
Loamy And Clayey Lan----------	0-8	Sandy loam	SM, SP-SM	A-2, A-3, A-4	0	0	100	85-100	50-85	5-45	---	NP
	8-20	Sandy loam, sandy clay loam	SC, SM	A-2, A-4, A-6	0	0	100	85-100	55-90	30-50	15-28	NP-12
	20-60	Clay, silty clay	CH, CL	A-6, A-7	0	0	100	100	100	90-100	40-59	17-31
LyD:												
Loamy And Clayey Lan----------	0-8	Sandy loam	SM, SP-SM	A-3, A-4, A-2	0	0	100	85-100	50-85	5-45	---	NP
	8-20	Sandy loam, sandy clay loam	SM, SC	A-2, A-4, A-6	0	0	100	85-100	55-90	30-50	15-28	NP-12
	20-60	Clay, silty clay	CL, CH	A-6, A-7	0	0	100	100	100	90-100	40-59	17-31
LyE:												
Loamy And Clayey Lan----------	0-8	Sandy loam	SP-SM, SM	A-4, A-3, A-2	0	0	100	85-100	50-85	5-45	---	NP
	8-20	Sandy loam, sandy clay loam	SC, SM	A-6, A-4, A-2	0	0	100	85-100	55-90	30-50	15-28	NP-12
	20-60	Clay, silty clay	CH, CL	A-7, A-6	0	0	100	100	100	90-100	40-59	17-31
MaB:												
Made Land-------	0-6	Variable			---	---	---	---	---	---	0-14	---

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas-ticity index
	In				Pct	Pct					Pct	
MaD:												
Made Land-------	0-6	Variable			---	---	---	---	---	---	0-14	---
MlB2:												
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-6, A-4, A-2-6, A-2-4	---	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-6, A-4, A-2, A-1	---	0-5	65-100	50-100	30-95	15-75	20-40	2-12
MlC2:												
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	ML, GM, SM	A-6, A-4, A-2-6, A-2-4	---	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-2, A-4, A-6, A-1	---	0-5	65-100	50-100	30-95	15-75	20-40	2-12
MlC3:												
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-4, A-6, 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	ML, SC-SM, SM, CL-ML	A-1, A-2, A-4, A-6	---	0-5	65-100	50-100	30-95	15-75	20-40	2-12
MlD2:												
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	SM, SC-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: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
MlD3:												
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	CL-ML, ML, SC-SM, SM	A-2, A-4, A-6, A-1	---	0-5	65-100	50-100	30-95	15-75	20-40	2-12
MlE:												
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-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
MmD:												
Manor----------	0-10	Very stony loam	GM, ML, SM	A-6, A-4	---	3-15	70-100	60-100	50-95	35-90	32-40	6-12
	10-20	Loam, silt loam, channery loam	GM, ML, SM	A-4, A-6	---	0-10	70-95	60-95	50-95	35-85	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	70-100	60-100	35-95	20-75	20-40	2-12
MnA:												
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, CL-ML	A-6, A-4	0	0	100	100	80-100	60-90	25-40	5-15
	34-62	Sandy loam, loamy sand, sand	SP-SM, SC-SM, CL-ML, SM	A-4, A-3, A-1, A-2	0	0	95-100	75-100	20-95	5-50	0-35	NP-10
MnB2:												
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-ML, CL	A-4, A-6	0	0	100	100	80-100	60-90	25-40	5-15
	34-62	Sandy loam, loamy sand, sand	CL-ML, SP-SM, SM, SC-SM	A-4, A-3, A-2, A-1	0	0	95-100	75-100	20-95	5-50	0-35	NP-10

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
MnC2:												
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, CL-ML	A-6, A-4	0	0	100	100	80-100	60-90	25-40	5-15
	34-62	Sandy loam, loamy sand, sand	SP-SM, CL-ML, SC-SM, SM	A-3, A-2, A-1, A-4	0	0	95-100	75-100	20-95	5-50	0-35	NP-10
MnC3:												
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, CL-ML	A-4, A-6	0	0	100	100	80-100	60-90	25-40	5-15
	34-62	Sandy loam, loamy sand, sand	CL-ML, SC-SM, SM, SP-SM	A-1, A-4, A-3, A-2	0	0	95-100	75-100	20-95	5-50	0-35	NP-10
MnD2:												
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-ML, CL	A-4, A-6	0	0	100	100	80-100	60-90	25-40	5-15
	34-62	Sandy loam, loamy sand, sand	SP-SM, SC-SM, CL-ML, SM	A-3, A-4, A-1, A-2	0	0	95-100	75-100	20-95	5-50	0-35	NP-10
MnD3:												
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-ML, CL	A-6, A-4	0	0	100	100	80-100	60-90	25-40	5-15
	34-62	Sandy loam, loamy sand, sand	SP-SM, SM, SC-SM, CL-ML	A-2, A-3, A-4, A-1	0	0	95-100	75-100	20-95	5-50	0-35	NP-10
MoA:												
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, CL-ML	A-4, A-6	0	0	100	100	80-100	60-90	25-40	5-15
	34-62	Sandy loam, loamy sand, sand	CL-ML, SC-SM, SM, SP-SM	A-2, A-3, A-4, A-1	0	0	95-100	75-100	20-95	5-50	0-35	NP-10

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
MoB2:												
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, CL-ML	A-6, A-4	0	0	100	100	80-100	60-90	25-40	5-15
	34-62	Sandy loam, loamy sand, sand	CL-ML, SC-SM, SM, SP-SM	A-4, A-2, A-3, A-1	0	0	95-100	75-100	20-95	5-50	0-35	NP-10
MpA:												
Mattapex--------	0-15	Silt loam	CL, CL-ML	A-4	0	0	95-100	90-100	80-100	80-100	15-30	5-15
	15-36	Silty clay loam, silt loam	CL, CL-ML	A-7, A-6, A-4	0	0	100	100	90-100	85-95	24-45	7-21
	36-60	Fine sandy loam, loam, loamy sand	CL, SC, SM, ML	A-4, A-2, A-6	0	0	95-100	90-100	45-95	15-75	15-40	NP-18
	60-65	Sand, loamy sand	SP-SM, SM	A-2	0	0	95-100	90-100	43-85	5-30	0-10	NP
MpB2:												
Mattapex--------	0-15	Silt loam	CL-ML, CL	A-4	0	0	95-100	90-100	80-100	80-100	15-30	5-15
	15-36	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
	36-60	Fine sandy loam, loam, loamy sand	SM, SC, ML, CL	A-6, A-2, A-4	0	0	95-100	90-100	45-95	15-75	15-40	NP-18
	60-65	Sand, loamy sand	SP-SM, SM	A-2	0	0	95-100	90-100	43-85	5-30	0-10	NP
MpC2:												
Mattapex--------	0-15	Silt loam	CL, CL-ML	A-4	0	0	95-100	90-100	80-100	80-100	15-30	5-15
	15-36	Silty clay loam, silt loam	CL-ML, CL	A-7, A-6, A-4	0	0	100	100	90-100	85-95	24-45	7-21
	36-60	Fine sandy loam, loam, loamy sand	ML, SC, SM, CL	A-2, A-4, A-6	0	0	95-100	90-100	45-95	15-75	15-40	NP-18
	60-65	Sand, loamy sand	SP-SM, SM	A-2	0	0	95-100	90-100	43-85	5-30	0-10	NP

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
Mr:												
Mixed Alluvial Land----------	0-6	Silt loam	ML, CL-ML, SC-SM, SM	A-4	---	0-5	75-100	60-100	55-90	45-80	15-25	NP-6
	6-42	Sandy loam, silt loam, gravelly loam	CL-ML, ML, SC-SM, SM	A-4	---	0-10	75-100	60-100	50-90	35-80	10-25	NP-6
	42-60	Silt loam, loam, silty clay loam	CL, CL-ML, ML	A-4, A-6	0	0	95-100	95-100	80-100	50-95	15-40	2-25
MtA:												
Montalto--------	0-11	Silt loam	CH, CL, ML	A-7, A-6	0	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	0-5	95-100	80-100	70-100	60-95	40-54	18-27
	45-65	Loam, clay loam, silty clay loam	CH, CL, ML	A-7, A-6	0	0-10	90-100	80-100	70-100	50-95	38-52	13-25
MtB2:												
Montalto--------	0-11	Silt loam	CH, CL, ML	A-6, A-7	0	0-5	95-100	80-100	70-100	50-95	36-52	10-25
	11-45	Clay, silty clay, clay loam	CL, CH	A-7	0	0-5	95-100	80-100	70-100	60-95	40-54	18-27
	45-65	Loam, clay loam, silty clay loam	CH, CL, ML	A-7, A-6	0	0-10	90-100	80-100	70-100	50-95	38-52	13-25
MtC2:												
Montalto--------	0-11	Silt loam	CH, CL, ML	A-6, A-7	0	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	0-5	95-100	80-100	70-100	60-95	40-54	18-27
	45-65	Loam, clay loam, silty clay loam	CH, CL, ML	A-6, A-7	0	0-10	90-100	80-100	70-100	50-95	38-52	13-25
MvD:												
Montalto--------	0-7	Very stony loam	ML	A-4, A-6	1-5	5-10	95-100	80-100	70-100	50-95	32-40	7-12
	7-48	Silt loam, silty clay loam, loam	CH, CL, ML	A-6, A-7	0	0-5	95-100	80-100	70-100	50-95	36-52	10-25
	48-62	Clay, silty clay, clay loam	CH, CL	A-7	0	0-5	95-100	80-100	70-100	60-95	40-54	18-27

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
MyC3:												
Montalto--------	0-11	Silty clay loam	CH, CL, ML	A-6, A-7	0	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	0-5	95-100	80-100	70-100	60-95	40-54	18-27
	45-65	Loam, clay loam, silty clay loam	CH, CL, ML	A-7, A-6	0	0-10	90-100	80-100	70-100	50-95	38-52	13-25
MyD3:												
Montalto--------	0-11	Silty clay loam	CH, CL, ML	A-6, A-7	0	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	0-5	95-100	80-100	70-100	60-95	40-54	18-27
	45-65	Loam, clay loam, silty clay loam	CH, CL, ML	A-6, A-7	0	0-10	90-100	80-100	70-100	50-95	38-52	13-25
NeA:												
Neshaminy-------	0-11	Silt loam	CL, CL-ML, ML	A-4, A-6	0	0-10	95-100	90-100	80-100	65-85	20-35	NP-15
	11-54	Silt loam, gravelly silty clay loam, gravelly sandy clay loam	GM, MH, ML, SM	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			---	---	---	---	---	---	---	---
NeB2:												
Neshaminy-------	0-11	Silt loam	CL, CL-ML, ML	A-4, A-6	0	0-10	95-100	90-100	80-100	65-85	20-35	NP-15
	11-54	Silt loam, gravelly silty clay loam, gravelly sandy clay loam	GM, MH, SM, ML	A-2, A-6, A-4, A-7	0-1	0-40	60-100	55-100	45-100	30-75	25-55	NP-22
	54-58	Weathered bedrock			---	---	---	---	---	---	---	---
NeC2:												
Neshaminy-------	0-11	Silt loam	CL, CL-ML, ML	A-4, A-6	0	0-10	95-100	90-100	80-100	65-85	20-35	NP-15
	11-54	Silt loam, gravelly silty clay loam, gravelly sandy clay loam	SM, ML, MH, GM	A-6, A-4, A-7, A-2	0-1	0-40	60-100	55-100	45-100	30-75	25-55	NP-22
	54-58	Weathered bedrock			---	---	---	---	---	---	---	---

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
NeD2:												
Neshaminy-------	0-11	Silt loam	CL, CL-ML, ML	A-4, A-6	0	0-10	95-100	90-100	80-100	65-85	20-35	NP-15
	11-54	Silt loam, gravelly silty clay loam, gravelly sandy clay loam	GM, MH, ML, SM	A-7, A-6, A-4, A-2	0-1	0-40	60-100	55-100	45-100	30-75	25-55	NP-22
	54-58	Weathered bedrock			---	---	---	---	---	---	---	---
OhA:												
Othello---------	0-9	Silt loam	SM, CL, ML, CL-ML	A-6, A-4	0	0	100	100	70-100	40-95	20-35	NP-15
	9-29	Silty clay loam, silt loam	CL	A-6	0	0	100	100	90-100	70-95	29-40	10-19
	29-50	Sandy loam, loam, sandy clay loam	CL, CL-ML, ML, SM	A-4, A-6	0	0	90-100	85-100	50-90	25-65	15-35	NP-17
	50-72	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
OhB:												
Othello---------	0-9	Silt loam	CL, CL-ML, ML, SM	A-4, A-6	0	0	100	100	70-100	40-95	20-35	NP-15
	9-29	Silty clay loam, silt loam	CL	A-6	0	0	100	100	90-100	70-95	29-40	10-19
	29-50	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
	50-72	Sand, loamy sand, loamy fine sand	SP-SM, SM	A-1, A-2	0	0	90-100	85-100	20-50	5-35	10-15	NP-5
RuB:												
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	SM, SC, SC-SM	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	SM, SP, GP, GM	A-2, A-3, A-4, A-1	0	0	50-100	35-100	20-85	2-40	15-25	NP-6

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
RuC:												
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, SC-SM, SM	A-4, A-6, A-2	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-3, A-4, A-2	0	0	50-100	35-100	20-85	2-40	15-25	NP-6
RuD:												
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, SC-SM	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	SM, GP, GM, SP	A-3, A-4, A-1, A-2	0	0	50-100	35-100	20-85	2-40	15-25	NP-6
SaA:												
Sassafras-------	0-9	Sandy loam	SC-SM, SM, SC	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, 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-3, A-1, A-4, A-2	0	0	70-100	50-100	30-90	5-55	15-26	NP-8
SaB2:												
Sassafras-------	0-9	Sandy loam	SC-SM, SM, SC	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, SC-SM, CL, CL-ML	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	SM, SC-SM, SC, SP-SM	A-4, A-1, A-3, A-2	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, CL, CL-ML, SC-SM	A-6, A-2, A-4	0	0	85-100	80-100	50-95	25-75	20-33	5-15
	40-70	Stratified sand to gravelly sandy loam	SP-SM, SC, SC-SM, SM	A-1, A-2, A-3, A-4	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: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas-ticity index
	In				Pct	Pct					Pct	
SaC3:												
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, SC, CL-ML, CL	A-6, A-2, A-4	0	0	85-100	80-100	50-95	25-75	20-33	5-15
	40-70	Stratified sand to gravelly sandy loam	SM, SC-SM, SC, SP-SM	A-1, A-2, A-3, A-4	0	0	70-100	50-100	30-90	5-55	15-26	NP-8
SaD2:												
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, CL-ML, SC, SC-SM	A-6, A-2, A-4	0	0	85-100	80-100	50-95	25-75	20-33	5-15
	40-70	Stratified sand to gravelly sandy loam	SM, SC-SM, SC, SP-SM	A-4, A-3, A-2, A-1	0	0	70-100	50-100	30-90	5-55	15-26	NP-8
SaD3:												
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	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, SC-SM, SM, SP-SM	A-1, A-2, A-4, A-3	0	0	70-100	50-100	30-90	5-55	15-26	NP-8
SfB2:												
Sassafras-------	0-9	Fine sandy loam	SM, SC-SM, SC	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, 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	SM, SC-SM, SC, SP-SM	A-1, A-2, A-3, A-4	0	0	70-100	50-100	30-90	5-55	15-26	NP-8
SgB2:												
Sassafras-------	0-9	Gravelly loam	CL, ML, SM	A-2, A-4, A-1	0-1	0-10	60-85	50-75	30-70	15-55	15-32	NP-10
	9-40	Loam, sandy clay loam, sandy loam	SC-SM, CL	A-2, A-6, A-4	0	0	85-100	85-100	50-95	25-75	20-33	5-15
	40-70	Gravelly sandy loam, loamy sand, sand	SP-SM, SM, SC	A-4, A-2, A-1	0	0	70-100	50-100	30-90	5-50	15-26	NP-8

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas-ticity index
	In				Pct	Pct					Pct	
SgC2:												
Sassafras-------	0-9	Gravelly loam	CL, ML, SM	A-1, A-2, A-4	0-1	0-10	60-85	50-75	30-70	15-55	15-32	NP-10
	9-40	Loam, sandy clay loam, sandy loam	CL, SC-SM	A-4, A-6, A-2	0	0	85-100	85-100	50-95	25-75	20-33	5-15
	40-70	Gravelly sandy loam, loamy sand, sand	SC, SP-SM, SM	A-4, A-1, A-2	0	0	70-100	50-100	30-90	5-50	15-26	NP-8
SgC3:												
Sassafras-------	0-9	Gravelly loam	SM, CL, ML	A-1, A-2, A-4	0-1	0-10	60-85	50-75	30-70	15-55	15-32	NP-10
	9-40	Loam, sandy clay loam, sandy loam	CL, SC-SM	A-2, A-4, A-6	0	0	85-100	85-100	50-95	25-75	20-33	5-15
	40-70	Gravelly sandy loam, loamy sand, sand	SC, SM, SP-SM	A-4, A-2, A-1	0	0	70-100	50-100	30-90	5-50	15-26	NP-8
SgD3:												
Sassafras-------	0-8	Gravelly loam	ML, CL, SM	A-4, A-2, A-1	0-1	0-10	60-85	50-75	30-70	15-55	15-32	NP-10
	8-32	Loam, sandy clay loam, sandy loam	CL, SC-SM	A-2, A-6, A-4	0	0	85-100	85-100	50-95	25-75	20-33	5-15
	32-50	Gravelly sandy loam, loamy sand, sand	SP-SM, SM, SC	A-4, A-2, A-1	0	0	70-100	50-100	30-90	5-50	15-26	NP-8

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
SrE:												
Aura----------	0-8	Gravelly sandy loam	CL, GM, ML, SM	A-2, A-6, A-4, A-1	0	0	60-85	50-75	30-70	15-55	15-33	2-16
	8-48	Very gravelly sandy clay loam, very gravelly sandy loam, very gravelly loam	GM, GC	A-2-4, A-2-6, A-1	0	0	40-80	30-55	20-50	10-30	8-36	2-16
	48-60	Very gravelly loamy sand, very gravelly sandy loam, very gravelly sandy clay loam	GC, GM, GP, GW	A-2-6, A-2-4, A-1	0	0	40-80	30-55	15-50	2-30	15-36	NP-16
	60-72	Very gravelly sand, very gravelly sandy loam, very gravelly loamy sand	GM, GW, SM, SP	A-2, A-1	0	0	40-80	30-55	15-40	2-20	15-30	NP-12
Sassafras-------	0-8	Sandy loam	SM, SC, SC-SM	A-4, A-2	0	0	85-100	80-100	50-85	25-55	12-32	NP-10
	8-32	Loam, sandy clay loam, sandy loam	SC-SM, SC, CL-ML, CL	A-6, A-4, A-2	0	0	85-100	80-100	50-95	25-75	20-33	5-15
	32-50	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
St:												
Stony Land------	0-10	Very stony loam	GM, ML, SM	A-6, A-4	---	3-15	70-100	60-100	50-95	35-90	32-40	6-12
	10-30	Loam, silt loam, channery loam	GM, ML, SM	A-4, A-6	---	0-10	70-95	60-95	50-95	35-85	26-40	4-12
	30-60	Loam, sandy loam, channery sandy loam	CL-ML, ML, SC-SM, SM	A-1, A-2, A-4, A-6	---	0-5	70-100	60-100	35-95	20-75	20-40	2-12
Tm:												
Tidal Marsh-----	0-28	Mucky silty clay loam	CH, CL, MH, ML	A-4, A-7, A-6	0	0	100	100	98-100	85-100	30-65	8-30
	28-60	Silty clay, clay, silty clay loam	CH, CL	A-7, A-6	0	0	100	100	98-100	85-100	35-65	15-35
	60-72	Variable			---	---	---	---	---	---	---	---

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
Wa:												
Watchung--------	0-9	Very stony silt loam	ML	A-4, A-6, A-7	---	3-15	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
WoA:												
Woodstown-------	0-11	Sandy loam	CL-ML, SC-SM, SM	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-4, A-6, A-2	0	0	90-100	70-100	45-90	25-60	15-32	NP-20
	29-70	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	CL-ML, SC-SM, SM	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
	29-70	Stratified gravelly sand to sandy loam	SC-SM, 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
WoC2:												
Woodstown-------	0-11	Sandy loam	CL-ML, SC-SM, SM	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-6, A-4	0	0	90-100	70-100	45-90	25-60	15-32	NP-20
	29-70	Stratified gravelly sand to sandy loam	SC-SM, 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

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
WoC3:												
Woodstown-------	0-11	Sandy loam	CL-ML, SC-SM, SM	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-ML, ML, SM, CL	A-2, A-4, A-6	0	0	90-100	70-100	45-90	25-60	15-32	NP-20
	29-70	Stratified gravelly sand to sandy loam	SC-SM, SM, SP-SM	A-1, A-2-4, A-3, A-2	0	0	80-100	70-95	35-55	5-25	15-26	NP-6
WoD:												
Woodstown-------	0-11	Sandy loam	CL-ML, SC-SM, SM	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
	29-70	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
WsA:												
Woodstown-------	0-11	Loam	CL-ML, ML, SC-SM, 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, CL-ML, ML, SM	A-2, A-4, A-6	0	0	90-100	70-100	45-90	25-60	15-32	NP-20
	29-70	Stratified gravelly sand to sandy loam	SM, SP-SM, SC-SM	A-2, A-3, A-2-4, A-1	0	0	80-100	70-95	35-55	5-25	15-26	NP-6
WsB2:												
Woodstown-------	0-11	Loam	ML, SC-SM, SM, CL-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, CL-ML, ML, SM	A-2, A-4, A-6	0	0	90-100	70-100	45-90	25-60	15-32	NP-20
	29-70	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