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:												
Adelphia--------	0-14	Fine sandy loam	CL, ML, SC, SM	A-2-4, A-4	0	0	95-100	95-100	60-95	30-90	15-35	NP-10
	14-30	Sandy clay loam, loam	CL, ML, SC, SM	A-4, A-6	0	0	95-100	95-100	75-95	35-75	27-40	9-18
	30-60	Stratified loamy sand to sandy loam	SC, SM, SP-SM	A-2-4, A-4	0	0	95-100	95-100	50-75	15-40	15-23	NP-6
AdB2:												
Adelphia--------	0-14	Fine sandy loam	CL, ML, SC, SM	A-2-4, A-4	0	0	95-100	95-100	60-95	30-90	15-35	NP-10
	14-30	Sandy clay loam, loam	CL, ML, SC, SM	A-4, A-6	0	0	95-100	95-100	75-95	35-75	27-40	9-18
	30-60	Stratified loamy sand to sandy loam	SC, SM, SP-SM	A-2-4, A-4	0	0	95-100	95-100	50-75	15-40	15-23	NP-6
AdC2:												
Adelphia--------	0-14	Fine sandy loam	CL, ML, SC, SM	A-2-4, A-4	0	0	95-100	95-100	60-95	30-90	15-35	NP-10
	14-30	Sandy clay loam, loam	CL, ML, SC, SM	A-4, A-6	0	0	95-100	95-100	75-95	35-75	27-40	9-18
	30-60	Stratified loamy sand to sandy loam	SC, SM, SP-SM	A-2-4, A-4	0	0	95-100	95-100	50-75	15-40	15-23	NP-6
AhA:												
Adelphia--------	0-14	Silt loam	CL, ML, SC, SM	A-2-4, A-4	0	0	95-100	95-100	60-95	30-90	15-35	NP-10
	14-30	Sandy clay loam, loam	CL, ML, SC, SM	A-4, A-6	0	0	95-100	95-100	75-95	35-75	27-40	9-18
	30-60	Stratified loamy sand to sandy loam	SC, SM, SP-SM	A-2-4, A-4	0	0	95-100	95-100	50-75	15-40	15-23	NP-6
AhB2:												
Adelphia--------	0-14	Silt loam	CL, ML, SC, SM	A-2-4, A-4	0	0	95-100	95-100	60-95	30-90	15-35	NP-10
	14-30	Sandy clay loam, loam	ML, SC, SM, CL	A-4, A-6	0	0	95-100	95-100	75-95	35-75	27-40	9-18
	30-60	Stratified loamy sand to sandy loam	SC, SM, SP-SM	A-2-4, A-4	0	0	95-100	95-100	50-75	15-40	15-23	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	
AuB2:												
Aura----------	0-8	Gravelly sandy loam	SC, SC-SM, SM	A-1-b, A-2-4, A-4	0	0	60-100	55-95	35-70	20-40	15-23	NP-7
	8-59	Gravelly sandy loam, sandy clay loam, gravelly sandy clay loam	GC, GM, SC, SM	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-2-4, A-3, A-4, A-6	0	0	70-100	35-90	20-75	5-40	15-38	NP-17
AuC2:												
Aura----------	0-8	Gravelly sandy loam	SC, SC-SM, SM	A-1-b, A-2-4, A-4	0	0	60-100	55-95	35-70	20-40	15-23	NP-7
	8-59	Gravelly sandy loam, sandy clay loam, gravelly sandy clay loam	GC, GM, SC, SM	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-2-4, A-3, A-4, A-6	0	0	70-100	35-90	20-75	5-40	15-38	NP-17
AuC3:												
Aura----------	0-8	Gravelly sandy loam	SC, SC-SM, SM	A-1-b, A-2-4, A-4	0	0	60-100	55-95	35-70	20-40	15-23	NP-7
	8-59	Gravelly sandy loam, sandy clay loam, gravelly sandy clay loam	GC, GM, SC, SM	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-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	
AuD:												
Aura----------	0-8	Gravelly sandy loam	SC, SC-SM, SM	A-1-b, A-2-4, A-4	0	0	60-100	55-95	35-70	20-40	15-23	NP-7
	8-59	Gravelly sandy loam, sandy clay loam, gravelly sandy clay loam	GC, GM, SC, SM	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-2-4, A-3, A-4, A-6	0	0	70-100	35-90	20-75	5-40	15-38	NP-17
AvE:												
Aura----------	0-8	Gravelly sandy loam	SC, SC-SM, SM	A-1-b, A-2-4, A-4	0	0	60-100	55-95	35-70	20-40	15-23	NP-7
	8-59	Gravelly sandy loam, sandy clay loam, gravelly sandy clay loam	GC, GM, SC, SM	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-2-4, A-3, A-4, A-6	0	0	70-100	35-90	20-75	5-40	15-38	NP-17
Croom----------	0-12	Gravelly loam	CL, GM, ML, SM	A-1, A-2, A-4, A-6	0	0	60-85	50-75	30-70	15-55	15-33	2-16
	12-28	Very gravelly sandy clay loam, very gravelly sandy loam, very gravelly loam	GC, GM, GP-GC, GP-GM	A-1, A-2-4, A-2-6	0	0	40-80	30-55	20-50	10-30	8-36	2-16
	28-48	Very gravelly loamy sand, very gravelly sandy loam, very gravelly sandy clay loam	GC, GM, GP, GW	A-1, A-2-4, A-2-6	0	0	40-80	30-55	15-50	2-30	15-36	NP-16
	48-99	Very gravelly sand, very gravelly sandy loam, very gravelly loamy sand	GM, GW, SM, SP	A-3, A-4, A-1, A-2	0	0	40-80	30-55	15-40	2-20	15-30	NP-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	Plas-ticity index
	In				Pct	Pct					Pct	
BeA:												
Beltsville------	0-14	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	CL, GM, ML, SM	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	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	CL, GM, ML, SM	A-1-b, A-2, A-4, A-6	0	0	60-100	50-100	30-100	15-90	18-34	3-16
BeC2:												
Beltsville------	0-14	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	CL, GM, ML, SM	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	Plas-ticity index
	In				Pct	Pct					Pct	
BlA:												
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	CL, GM, ML, SM	A-1-b, A-2, A-4, A-6	0	0	60-100	50-100	30-100	15-90	18-34	3-16
BlB2:												
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	CL, GM, ML, SM	A-1-b, A-2, A-4, A-6	0	0	60-100	50-100	30-100	15-90	18-34	3-16
BlC2:												
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	CL, GM, ML, SM	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	Plas-ticity index
	In				Pct	Pct					Pct	
BlC3:												
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	CL, GM, ML, SM	A-1-b, A-2, A-4, A-6	0	0	60-100	50-100	30-100	15-90	18-34	3-16
BlD3:												
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	CL, GM, ML, SM	A-1-b, A-2, A-4, A-6	0	0	60-100	50-100	30-100	15-90	18-34	3-16
BmB:												
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	CL, GM, ML, SM	A-1-b, A-2, A-4, A-6	0	0	60-100	50-100	30-100	15-90	18-34	3-16
Urban 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	
BmC:												
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	CL, GM, ML, SM	A-1-b, A-2, A-4, A-6	0	0	60-100	50-100	30-100	15-90	18-34	3-16
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
Bn:												
Bibb----------	0-12	Sandy loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0	0-5	95-100	90-100	60-90	30-60	15-25	NP-7
	12-60	Sandy loam, loam, silt loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0	0-5	60-100	50-100	40-100	30-90	15-30	NP-7
Bo:												
Bibb----------	0-12	Silt loam	CL-ML, ML	A-4	0	0-5	95-100	90-100	80-90	50-80	15-25	NP-7
	12-60	Sandy loam, loam, silt loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0	0-10	60-100	50-100	40-100	30-90	15-30	NP-7
Br:												
Bibb----------	0-12	Silt loam	CL-ML, ML	A-4	0	0-5	95-100	90-100	80-90	50-80	15-25	NP-7
	12-60	Sandy loam, loam, silt loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0	0-10	60-100	50-100	40-100	30-90	15-30	NP-7
Urban 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	Plasticity index
	In				Pct	Pct					Pct	
BtB2:												
Butlertown------	0-16	Silt loam	CL-ML, 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
CaB2:												
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-1, A-2	0	0	25-90	15-75	10-50	5-30	0-14	NP
CaC2:												
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-1, A-2	0	0	25-90	15-75	10-50	5-30	0-14	NP
CaC3:												
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-1, A-2	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	
CaD2:												
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-1, A-2	0	0	25-90	15-75	10-50	5-30	0-14	NP
CbB:												
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-1, A-2	0	0	25-90	15-75	10-50	5-30	0-14	NP
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
CbC:												
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-1, A-2	0	0	25-90	15-75	10-50	5-30	0-14	NP
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
CbE:												
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-1, A-2	0	0	25-90	15-75	10-50	5-30	0-14	NP
Urban 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	
CcC3:												
Christiana------	0-7	Clay	CH, CL	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	CH, CL	A-7	0	0	90-100	80-100	70-100	60-95	40-59	17-31
CcD3:												
Christiana------	0-7	Clay	CH, CL	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	CH, CL	A-7	0	0	90-100	80-100	70-100	60-95	40-59	17-31
CcE3:												
Christiana------	0-7	Clay	CH, CL	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	CH, CL	A-7	0	0	90-100	80-100	70-100	60-95	40-59	17-31
CdA:												
Christiana------	0-7	Fine sandy loam	SC, CL, CL-ML	A-2-4, A-4	0	0	90-100	80-100	55-100	30-90	22-30	5-9
	7-72	Clay, silty clay, clay loam	CH, CL	A-7	0	0	90-100	80-100	70-100	60-95	40-59	17-31
CdB2:												
Christiana------	0-7	Fine sandy loam	CL, CL-ML, SC	A-2-4, A-4	0	0	90-100	80-100	55-100	30-90	22-30	5-9
	7-72	Clay, silty clay, clay loam	CH, CL	A-7	0	0	90-100	80-100	70-100	60-95	40-59	17-31
CdC2:												
Christiana------	0-7	Fine sandy loam	CL, CL-ML, SC	A-2-4, A-4	0	0	90-100	80-100	55-100	30-90	22-30	5-9
	7-72	Clay, silty clay, clay loam	CH, CL	A-7	0	0	90-100	80-100	70-100	60-95	40-59	17-31
CdD2:												
Christiana------	0-7	Fine sandy loam	CL, CL-ML, SC	A-2-4, A-4	0	0	90-100	80-100	55-100	30-90	22-30	5-9
	7-72	Clay, silty clay, clay loam	CH, CL	A-7	0	0	90-100	80-100	70-100	60-95	40-59	17-31
CeA:												
Christiana------	0-7	Silt loam	CL, CL-ML, SC	A-2-4, A-4	0	0	90-100	80-100	55-100	30-90	22-30	5-9
	7-72	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	Plas-ticity index
	In				Pct	Pct					Pct	
CeB2:												
Christiana------	0-7	Silt loam	CL, CL-ML, SC	A-2-4, A-4	0	0	90-100	80-100	55-100	30-90	22-30	5-9
	7-72	Clay, silty clay, clay loam	CH, CL	A-7	0	0	90-100	80-100	70-100	60-95	40-59	17-31
CeC2:												
Christiana------	0-7	Silt loam	CL, CL-ML, SC	A-2-4, A-4	0	0	90-100	80-100	55-100	30-90	22-30	5-9
	7-72	Clay, silty clay, clay loam	CH, CL	A-7	0	0	90-100	80-100	70-100	60-95	40-59	17-31
CeD2:												
Christiana------	0-7	Silt loam	CL, CL-ML, SC	A-2-4, A-4	0	0	90-100	80-100	55-100	30-90	22-30	5-9
	7-72	Clay, silty clay, clay loam	CH, CL	A-7	0	0	90-100	80-100	70-100	60-95	40-59	17-31
CfB:												
Christiana------	0-7	Silt loam	CL, CL-ML, SC	A-2-4, A-4	0	0	90-100	80-100	55-100	30-90	22-30	5-9
	7-72	Clay, silty clay, clay loam	CH, CL	A-7	0	0	90-100	80-100	70-100	60-95	40-59	17-31
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
CfC:												
Christiana------	0-7	Silt loam	CL, CL-ML, SC	A-2-4, A-4	0	0	90-100	80-100	55-100	30-90	22-30	5-9
	7-72	Clay, silty clay, clay loam	CH, CL	A-7	0	0	90-100	80-100	70-100	60-95	40-59	17-31
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
CfE:												
Christiana------	0-7	Silt loam	CL, CL-ML, SC	A-2-4, A-4	0	0	90-100	80-100	55-100	30-90	22-30	5-9
	7-72	Clay, silty clay, clay loam	CH, CL	A-7	0	0	90-100	80-100	70-100	60-95	40-59	17-31
Urban 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	Plasticity index
	In				Pct	Pct					Pct	
Cg:												
Clay Pits-------	0-7	Clay	CH, CL	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	CH, CL	A-7	0	0	90-100	80-100	70-100	60-95	40-59	17-31
Ch:												
Codorus---------	0-18	Silt loam	CL, CL-ML, ML	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-4, A-6	0	0	80-100	75-100	65-100	55-85	22-35	2-12
	54-60	Stratified sand to gravelly silt	GM, ML, SM	A-1, A-2, A-4	0	0	25-100	20-100	20-85	15-65	15-35	NP-7
Ck:												
Codorus---------	0-18	Silt loam	CL, CL-ML, ML	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-4, A-6	0	0	80-100	75-100	65-100	55-85	22-35	2-12
	54-60	Stratified gravelly sand to silt	GM, ML, SM	A-1, A-2, A-4	0	0	25-100	20-100	20-85	15-65	15-35	NP-7
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
Cl:												
Colemantown-----	0-10	Loam	CL, ML, SC	A-6, A-7	0	0	100	98-100	60-95	30-75	---	---
	10-30	Sandy clay, clay, clay loam	MH, ML, SM	A-7	0	0	100	98-100	80-95	45-90	45-55	15-25
	30-60	Loam, clay loam, sandy loam	CL, ML, SC, SM	A-2, A-4, A-6, A-7	0	0	95-100	95-100	60-95	30-80	30-45	5-20
CmA:												
Collington------	0-13	Fine sandy loam	CL, ML, SC, SM	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, SM	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

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:												
Collington------	0-13	Fine sandy loam	CL, ML, SC, SM	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, SM	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
CmC2:												
Collington------	0-13	Fine sandy loam	CL, ML, SC, SM	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, SM	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
CmC3:												
Collington------	0-13	Fine sandy loam	CL, ML, SC, SM	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, SM	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
CmD2:												
Collington------	0-13	Fine sandy loam	CL, ML, SC, SM	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, SM	A-6, A-7-6, A-4, A-5	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

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	
CmD3:												
Collington------	0-13	Fine sandy loam	CL, ML, SC, SM	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, SM	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
CmE2:												
Collington------	0-13	Fine sandy loam	ML, SC, SM, CL	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, SM	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
CmE3:												
Collington------	0-13	Fine sandy loam	CL, ML, SC, SM	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, SM	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
CnB2:												
Collington------	0-13	Loamy sand	SC-SM, SM	A-1-b, A-2-4	0	0	95-100	95-100	50-75	15-30	15-20	NP-5
	13-32	Sandy clay loam, sandy loam, clay loam	CL, CL-ML, SC, SM	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
CnC2:												
Collington------	0-13	Loamy sand	SC-SM, SM	A-1-b, A-2-4	0	0	95-100	95-100	50-75	15-30	15-20	NP-5
	13-32	Sandy clay loam, sandy loam, clay loam	CL, CL-ML, SC, SM	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

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	
CnD2:												
Collington------	0-13	Loamy sand	SC-SM, SM	A-1-b, A-2-4	0	0	95-100	95-100	50-75	15-30	15-20	NP-5
	13-32	Sandy clay loam, sandy loam, clay loam	CL, CL-ML, SC, SM	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
CoA:												
Collington------	0-13	Silt loam	CL, ML, SC, SM	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, SM	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
CoB2:												
Collington------	0-13	Silt loam	CL, ML, SC, SM	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, SM	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
CoC3:												
Collington------	0-13	Silt loam	CL, ML, SC, SM	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, SM	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

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	
CpB:												
Collington------	0-13	Fine sandy loam	CL, ML, SC, SM	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, SM	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	SM, SC, SC-SM	A-1-b, A-2-4, A-4	0	0	95-100	95-100	50-70	10-40	15-30	NP-10
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
CpC:												
Collington------	0-13	Fine sandy loam	CL, ML, SC, SM	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, SM	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
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
Cr:												
Comus----------	0-30	Silt loam	CL, ML, SC, SM	A-2, A-4, A-6	---	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-1, A-2, A-4, A-6	---	0-20	55-100	45-100	25-100	15-95	15-40	NP-20

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:												
Croom----------	0-12	Gravelly loam	CL, GM, ML, SM	A-1, A-2, A-4, A-6	0	0	60-85	50-75	30-70	15-55	15-33	2-16
	12-28	Very gravelly sandy clay loam, very gravelly sandy loam, very gravelly loam	GC, GM, GP-GC, GP-GM	A-1, A-2-4, A-2-6	0	0	40-80	30-55	20-50	10-30	8-36	2-16
	28-48	Very gravelly loamy sand, very gravelly sandy loam, very gravelly sandy clay loam	GC, GM, GP, GW	A-1, A-2-4, A-2-6	0	0	40-80	30-55	15-50	2-30	15-36	NP-16
	48-99	Very gravelly sand, very gravelly sandy loam, very gravelly loamy sand	GM, GW, SM, SP	A-1, A-2, A-3, A-4	0	0	40-80	30-55	15-40	2-20	15-30	NP-12
CsC2:												
Croom----------	0-12	Gravelly loam	CL, GM, ML, SM	A-1, A-2, A-4, A-6	0	0	60-85	50-75	30-70	15-55	15-33	2-16
	12-28	Very gravelly sandy clay loam, very gravelly sandy loam, very gravelly loam	GC, GM, GP-GC, GP-GM	A-1, A-2-4, A-2-6	0	0	40-80	30-55	20-50	10-30	8-36	2-16
	28-48	Very gravelly loamy sand, very gravelly sandy loam, very gravelly sandy clay loam	GC, GM, GP, GW	A-1, A-2-4, A-2-6	0	0	40-80	30-55	15-50	2-30	15-36	NP-16
	48-99	Very gravelly sand, very gravelly sandy loam, very gravelly loamy sand	GM, GW, SM, SP	A-1, A-2, A-3, A-4	0	0	40-80	30-55	15-40	2-20	15-30	NP-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	
CsC3:												
Croom----------	0-12	Gravelly loam	CL, GM, ML, SM	A-1, A-2, A-4, A-6	0	0	60-85	50-75	30-70	15-55	15-33	2-16
	12-28	Very gravelly sandy clay loam, very gravelly sandy loam, very gravelly loam	GC, GM, GP-GC, GP-GM	A-1, A-2-4, A-2-6	0	0	40-80	30-55	20-50	10-30	8-36	2-16
	28-48	Very gravelly loamy sand, very gravelly sandy loam, very gravelly sandy clay loam	GC, GM, GP, GW	A-1, A-2-4, A-2-6	0	0	40-80	30-55	15-50	2-30	15-36	NP-16
	48-99	Very gravelly sand, very gravelly sandy loam, very gravelly loamy sand	GM, GW, SM, SP	A-1, A-2, A-3, A-4	0	0	40-80	30-55	15-40	2-20	15-30	NP-12
CtB2:												
Croom----------	0-12	Gravelly sandy loam	CL, GM, ML, SM	A-1, A-2, A-4, A-6	0	0	60-85	50-75	30-70	15-55	15-33	2-16
	12-28	Very gravelly sandy clay loam, very gravelly sandy loam, very gravelly loam	GC, GM, GP-GC, GP-GM	A-1, A-2-4, A-2-6	0	0	40-80	30-55	20-50	10-30	8-36	2-16
	28-48	Very gravelly loamy sand, very gravelly sandy loam, very gravelly sandy clay loam	GC, GM, GP, GW	A-1, A-2-4, A-2-6	0	0	40-80	30-55	15-50	2-30	15-36	NP-16
	48-99	Very gravelly sand, very gravelly sandy loam, very gravelly loamy sand	GM, GW, SM, SP	A-1, A-2, A-3, A-4	0	0	40-80	30-55	15-40	2-20	15-30	NP-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	
CtC2:												
Croom----------	0-12	Gravelly sandy loam	CL, GM, ML, SM	A-1, A-2, A-4, A-6	0	0	60-85	50-75	30-70	15-55	15-33	2-16
	12-28	Very gravelly sandy clay loam, very gravelly sandy loam, very gravelly loam	GC, GM, GP-GC, GP-GM	A-1, A-2-4, A-2-6	0	0	40-80	30-55	20-50	10-30	8-36	2-16
	28-48	Very gravelly loamy sand, very gravelly sandy loam, very gravelly sandy clay loam	GC, GM, GP, GW	A-2-4, A-2-6, A-1	0	0	40-80	30-55	15-50	2-30	15-36	NP-16
	48-99	Very gravelly sand, very gravelly sandy loam, very gravelly loamy sand	GM, GW, SM, SP	A-1, A-2, A-3, A-4	0	0	40-80	30-55	15-40	2-20	15-30	NP-12
CtC3:												
Croom----------	0-12	Gravelly sandy loam	CL, GM, ML, SM	A-1, A-2, A-4, A-6	0	0	60-85	50-75	30-70	15-55	15-33	2-16
	12-28	Very gravelly sandy clay loam, very gravelly sandy loam, very gravelly loam	GC, GM, GP-GC, GP-GM	A-1, A-2-4, A-2-6	0	0	40-80	30-55	20-50	10-30	8-36	2-16
	28-48	Very gravelly loamy sand, very gravelly sandy loam, very gravelly sandy clay loam	GC, GM, GP, GW	A-1, A-2-4, A-2-6	0	0	40-80	30-55	15-50	2-30	15-36	NP-16
	48-99	Very gravelly sand, very gravelly sandy loam, very gravelly loamy sand	GM, GW, SM, SP	A-1, A-2, A-3, A-4	0	0	40-80	30-55	15-40	2-20	15-30	NP-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	
CtD2:												
Croom----------	0-12	Gravelly sandy loam	CL, GM, ML, SM	A-1, A-2, A-4, A-6	0	0	60-85	50-75	30-70	15-55	15-33	2-16
	12-28	Very gravelly sandy clay loam, very gravelly sandy loam, very gravelly loam	GC, GM, GP-GC, GP-GM	A-1, A-2-4, A-2-6	0	0	40-80	30-55	20-50	10-30	8-36	2-16
	28-48	Very gravelly loamy sand, very gravelly sandy loam, very gravelly sandy clay loam	GC, GM, GP, GW	A-1, A-2-4, A-2-6	0	0	40-80	30-55	15-50	2-30	15-36	NP-16
	48-99	Very gravelly sand, very gravelly sandy loam, very gravelly loamy sand	GM, GW, SM, SP	A-1, A-2, A-3, A-4	0	0	40-80	30-55	15-40	2-20	15-30	NP-12
CuB:												
Croom----------	0-12	Gravelly sandy loam	CL, GM, ML, SM	A-1, A-2, A-4, A-6	0	0	60-85	50-75	30-70	15-55	15-33	2-16
	12-28	Very gravelly sandy clay loam, very gravelly sandy loam, very gravelly loam	GC, GM, GP-GC, GP-GM	A-1, A-2-4, A-2-6	0	0	40-80	30-55	20-50	10-30	8-36	2-16
	28-48	Very gravelly loamy sand, very gravelly sandy loam, very gravelly sandy clay loam	GC, GM, GP, GW	A-1, A-2-4, A-2-6	0	0	40-80	30-55	15-50	2-30	15-36	NP-16
	48-99	Very gravelly sand, very gravelly sandy loam, very gravelly loamy sand	GM, GW, SM, SP	A-1, A-2, A-3, A-4	0	0	40-80	30-55	15-40	2-20	15-30	NP-12
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---

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 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
CuC:												
Croom----------	0-12	Gravelly sandy loam	CL, GM, ML, SM	A-1, A-2, A-4, A-6	0	0	60-85	50-75	30-70	15-55	15-33	2-16
	12-28	Very gravelly sandy clay loam, very gravelly sandy loam, very gravelly loam	GC, GM, GP-GC, GP-GM	A-1, A-2-4, A-2-6	0	0	40-80	30-55	20-50	10-30	8-36	2-16
	28-48	Very gravelly loamy sand, very gravelly sandy loam, very gravelly sandy clay loam	GC, GM, GP, GW	A-1, A-2-4, A-2-6	0	0	40-80	30-55	15-50	2-30	15-36	NP-16
	48-99	Very gravelly sand, very gravelly sandy loam, very gravelly loamy sand	GM, GW, SM, SP	A-1, A-2, A-3, A-4	0	0	40-80	30-55	15-40	2-20	15-30	NP-12
Urban 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	Plasticity index
	In				Pct	Pct					Pct	
CuE:												
Croom----------	0-12	Gravelly sandy loam	SM, CL, GM, ML	A-1, A-2, A-4, A-6	0	0	60-85	50-75	30-70	15-55	15-33	2-16
	12-28	Very gravelly sandy clay loam, very gravelly sandy loam, very gravelly loam	GC, GM, GP-GC, GP-GM	A-1, A-2-4, A-2-6	0	0	40-80	30-55	20-50	10-30	8-36	2-16
	28-48	Very gravelly loamy sand, very gravelly sandy loam, very gravelly sandy clay loam	GC, GM, GP, GW	A-1, A-2-4, A-2-6	0	0	40-80	30-55	15-50	2-30	15-36	NP-16
	48-99	Very gravelly sand, very gravelly sandy loam, very gravelly loamy sand	GM, GW, SM, SP	A-1, A-2, A-3, A-4	0	0	40-80	30-55	15-40	2-20	15-30	NP-12
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
DoA:												
Donlonton-------	0-12	Fine sandy loam	ML, SM	A-4	0	0	100	100	70-95	40-75	15-22	NP
	12-50	Sandy clay, sandy clay loam	CH, CL, SC	A-6, A-7	0	0	100	100	80-95	45-60	38-56	17-32
	50-60	Fine sandy loam, sandy clay loam, clay loam	CL, ML, SC, SM	A-4, A-6, A-7	0	0	100	100	70-100	35-80	32-47	6-21
DoB2:												
Donlonton-------	0-12	Fine sandy loam	ML, SM	A-4	0	0	100	100	70-95	40-75	15-22	NP
	12-50	Sandy clay, sandy clay loam	CH, CL, SC	A-7, A-6	0	0	100	100	80-95	45-60	38-56	17-32
	50-60	Fine sandy loam, sandy clay loam, clay loam	CL, ML, SC, SM	A-4, A-6, A-7	0	0	100	100	70-100	35-80	32-47	6-21

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	
Ek:												
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
ElB:												
Elkton----------	0-10	Sandy loam	SC-SM, SM	A-4	0	0	100	95-100	70-100	35-50	15-30	NP-10
	10-36	Silty clay loam, silty clay	CH, CL	A-6, A-7	0	0	100	100	95-100	85-95	30-55	10-35
	36-60	Very fine sandy loam	CL, ML, SC	A-4	0	0	100	95-100	85-95	45-75	20-30	NP-10
EmA:												
Elsinboro-------	0-15	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
EmB2:												
Elsinboro-------	0-15	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
EnA:												
Elsinboro-------	0-15	Sandy 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

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	
EnB2:												
Elsinboro-------	0-15	Sandy 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	SC, SM, CL, ML	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	Sandy 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:												
Elsinboro-------	0-15	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
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
Fl:												
Fallsington-----	0-11	Loam	CL-ML, ML, SC-SM, 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-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	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	
Fs:												
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	CL, ML, SC, SM	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	CL, SM, SP-SM	A-2, A-3	0	0	95-100	90-100	50-85	5-55	15-30	NP-15
Fu:												
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	CL, ML, SC, SM	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	CL, SM, SP-SM	A-2, A-3	0	0	95-100	90-100	50-85	5-55	15-30	NP-15
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
GaB:												
Galestown-------	0-40	Gravelly loamy sand	SM, SP-SM	A-1, A-2	0	0	90-100	55-75	30-55	10-20	0-14	NP
	40-60	Gravelly sand, loamy sand	SM, SP, SP-SM	A-1, A-2, A-3	0	0	90-100	55-85	30-60	4-25	0-14	NP
GaC:												
Galestown-------	0-40	Gravelly loamy sand	SM, SP-SM	A-1, A-2	0	0	90-100	55-75	30-55	10-20	0-14	NP
	40-60	Gravelly sand, loamy sand	SM, SP, SP-SM	A-3, A-1, A-2	0	0	90-100	55-85	30-60	4-25	0-14	NP
GdB:												
Galestown-------	0-11	Loamy sand	SM, SP-SM	A-1, A-2, A-3	0	0	95-100	75-100	45-70	4-20	0-14	NP
	11-40	Loamy sand, sand, loamy fine sand	SM, SP-SM	A-1, A-2, A-3	0	0	95-100	95-100	45-75	4-20	0-14	NP
	40-65	Sand, loamy sand, gravelly sand	SP, SP-SM	A-1, A-2, A-3	0	0	75-100	55-100	30-75	4-10	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	Plas-ticity index
	In				Pct	Pct					Pct	
GdC:												
Galestown-------	0-11	Loamy sand	SM, SP-SM	A-1, A-2, A-3	0	0	95-100	75-100	45-70	4-20	0-14	NP
	11-40	Loamy sand, sand, loamy fine sand	SM, SP-SM	A-1, A-2, A-3	0	0	95-100	95-100	45-75	4-20	0-14	NP
	40-65	Sand, loamy sand, gravelly sand	SP, SP-SM	A-1, A-2, A-3	0	0	75-100	55-100	30-75	4-10	0-14	NP
GeB:												
Galestown-------	0-11	Loamy sand	SM, SP-SM	A-1, A-2, A-3	0	0	95-100	75-100	45-70	4-20	0-14	NP
	11-40	Loamy sand, sand, loamy fine sand	SM, SP-SM	A-1, A-2, A-3	0	0	95-100	95-100	45-75	4-20	0-14	NP
	40-65	Sand, loamy sand, gravelly sand	SP, SP-SM	A-1, A-2, A-3	0	0	75-100	55-100	30-75	4-10	0-14	NP
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
	16-30	Sand, 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
	30-72	Stratified sand to sandy loam	SC-SM, SM, SP, SP-SM	A-1, A-2, A-3	0	0	75-100	65-100	35-95	0-35	10-15	NP-5
GeC:												
Galestown-------	0-11	Loamy sand	SM, SP-SM	A-1, A-2, A-3	0	0	95-100	75-100	45-70	4-20	0-14	NP
	11-40	Loamy sand, sand, loamy fine sand	SM, SP-SM	A-1, A-2, A-3	0	0	95-100	95-100	45-75	4-20	0-14	NP
	40-65	Sand, loamy sand, gravelly sand	SP, SP-SM	A-1, A-2, A-3	0	0	75-100	55-100	30-75	4-10	0-14	NP
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
	16-30	Sand, 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
	30-72	Stratified sand to sandy loam	SC-SM, SM, SP, SP-SM	A-1, A-2, A-3	0	0	75-100	65-100	35-95	0-35	10-15	NP-5
GmB:												
Galestown-------	0-11	Loamy sand	SM, SP-SM	A-1, A-2, A-3	0	0	95-100	75-100	45-70	4-20	0-14	NP
	11-40	Loamy sand, sand, loamy fine sand	SM, SP-SM	A-1, A-2, A-3	0	0	95-100	95-100	45-75	4-20	0-14	NP
	40-65	Sand, loamy sand, gravelly sand	SP, SP-SM	A-1, A-2, A-3	0	0	75-100	55-100	30-75	4-10	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	
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
GmC:												
Galestown-------	0-11	Loamy sand	SM, SP-SM	A-1, A-2, A-3	0	0	95-100	75-100	45-70	4-20	0-14	NP
	11-40	Loamy sand, sand, loamy fine sand	SM, SP-SM	A-1, A-2, A-3	0	0	95-100	95-100	45-75	4-20	0-14	NP
	40-65	Sand, loamy sand, gravelly sand	SP, SP-SM	A-1, A-2, A-3	0	0	75-100	55-100	30-75	4-10	0-14	NP
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
GnC2:												
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-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
GoB:												
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-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
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
Gp:												
Gravel And Borrow Pi------	0-6	Extremely gravelly sand	GP, GW	A-1	---	0-25	10-25	5-25	0-15	0-5	0-14	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	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	
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	GC, GM, SC, SM	A-1, A-2	0	0	50-85	45-80	45-80	15-35	15-32	NP-14
HcC3:												
Howell----------	0-8	Loam	ML, SM	A-4	0	0	100	95-100	60-100	40-90	15-23	NP-2
	8-14	Sandy clay loam	CL, SC	A-4, A-6	0	0	100	95-100	75-100	35-55	15-40	8-15
	14-46	Clay, silty clay loam, silty clay	CH, CL, MH, ML	A-7	0	0	100	95-100	85-100	65-95	49-53	21-25
	46-60	Clay, silty clay, gravelly sandy clay loam	CL, GC, MH, ML	A-2, A-6, A-7	0	0	55-100	45-100	35-100	20-95	33-67	11-27
HcD3:												
Howell----------	0-8	Loam	ML, SM	A-4	0	0	100	95-100	60-100	40-90	15-23	NP-2
	8-14	Sandy clay loam	CL, SC	A-4, A-6	0	0	100	95-100	75-100	35-55	15-40	8-15
	14-46	Clay, silty clay loam, silty clay	CH, CL, MH, ML	A-7	0	0	100	95-100	85-100	65-95	49-53	21-25
	46-60	Clay, silty clay, gravelly sandy clay loam	CL, GC, MH, ML	A-2, A-6, A-7	0	0	55-100	45-100	35-100	20-95	33-67	11-27

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	
HoB2:												
Howell----------	0-8	Fine sandy loam	ML, SM	A-4	0	0	100	95-100	60-100	40-90	15-23	NP-2
	8-14	Sandy clay loam	CL, SC	A-4, A-6	0	0	100	95-100	75-100	35-55	15-40	8-15
	14-46	Clay, silty clay loam, silty clay	CH, CL, MH, ML	A-7	0	0	100	95-100	85-100	65-95	49-53	21-25
	46-60	Clay, silty clay, gravelly sandy clay loam	CL, GC, MH, ML	A-2, A-6, A-7	0	0	55-100	45-100	35-100	20-95	33-67	11-27
HoC2:												
Howell----------	0-8	Fine sandy loam	ML, SM	A-4	0	0	100	95-100	60-100	40-90	15-23	NP-2
	8-14	Sandy clay loam	CL, SC	A-4, A-6	0	0	100	95-100	75-100	35-55	15-40	8-15
	14-46	Clay, silty clay loam, silty clay	CH, CL, MH, ML	A-7	0	0	100	95-100	85-100	65-95	49-53	21-25
	46-60	Clay, silty clay, gravelly sandy clay loam	CL, GC, MH, ML	A-2, A-6, A-7	0	0	55-100	45-100	35-100	20-95	33-67	11-27
HwB2:												
Howell----------	0-8	Silt loam	ML, SM	A-4	0	0	100	95-100	60-100	40-90	15-23	NP-2
	8-14	Sandy clay loam	CL, SC	A-4, A-6	0	0	100	95-100	75-100	35-55	15-40	8-15
	14-46	Clay, silty clay loam, silty clay	CH, CL, MH, ML	A-7	0	0	100	95-100	85-100	65-95	49-53	21-25
	46-60	Clay, silty clay, gravelly sandy clay loam	CL, GC, MH, ML	A-2, A-6, A-7	0	0	55-100	45-100	35-100	20-95	33-67	11-27
HwC2:												
Howell----------	0-8	Silt loam	ML, SM	A-4	0	0	100	95-100	60-100	40-90	15-23	NP-2
	8-14	Sandy clay loam	CL, SC	A-4, A-6	0	0	100	95-100	75-100	35-55	15-40	8-15
	14-46	Clay, silty clay loam, silty clay	CH, CL, MH, ML	A-7	0	0	100	95-100	85-100	65-95	49-53	21-25
	46-60	Clay, silty clay, gravelly sandy clay loam	CL, GC, MH, ML	A-2, A-6, A-7	0	0	55-100	45-100	35-100	20-95	33-67	11-27

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	
HwD2:												
Howell----------	0-8	Silt loam	ML, SM	A-4	0	0	100	95-100	60-100	40-90	15-23	NP-2
	8-14	Sandy clay loam	CL, SC	A-4, A-6	0	0	100	95-100	75-100	35-55	15-40	8-15
	14-46	Clay, silty clay loam, silty clay	CH, CL, MH, ML	A-7	0	0	100	95-100	85-100	65-95	49-53	21-25
	46-60	Clay, silty clay, gravelly sandy clay loam	CL, GC, MH, ML	A-2, A-6, A-7	0	0	55-100	45-100	35-100	20-95	33-67	11-27
HwE2:												
Howell----------	0-8	Silt loam	ML, SM	A-4	0	0	100	95-100	60-100	40-90	15-23	NP-2
	8-14	Sandy clay loam	CL, SC	A-4, A-6	0	0	100	95-100	75-100	35-55	15-40	8-15
	14-46	Clay, silty clay loam, silty clay	CH, CL, MH, ML	A-7	0	0	100	95-100	85-100	65-95	49-53	21-25
	46-60	Clay, silty clay, gravelly sandy clay loam	CL, GC, MH, ML	A-2, A-6, A-7	0	0	55-100	45-100	35-100	20-95	33-67	11-27
Hy:												
Hyde----------	0-17	Silt loam	ML	A-4	0	0	100	98-100	85-100	60-90	15-35	NP-7
	17-54	Clay loam, loam, silty clay loam	CL	A-4, A-6, A-7	0	0	100	98-100	90-100	75-95	22-42	7-20
	54-72	Variable			---	---	---	---	---	---	---	---
Ik:												
Iuka----------	0-13	Fine sandy loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0	0	95-100	90-100	70-100	30-60	15-20	NP-7
	13-22	Fine sandy loam, loam, sandy loam	CL-ML, ML, SC-SM, SM	A-4	0	0	95-100	85-100	65-100	36-75	15-30	NP-7
	22-60	Sandy loam, fine sandy loam, loam	ML, SM	A-2, A-4	0	0	95-100	90-100	70-100	25-60	15-30	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	
ImA:												
Iuka----------	0-13	Sandy loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0	0	95-100	90-100	70-100	30-60	15-20	NP-7
	13-22	Fine sandy loam, loam, sandy loam	CL-ML, ML, SC-SM, SM	A-4	0	0	95-100	85-100	65-100	36-75	15-30	NP-7
	22-60	Sandy loam, fine sandy loam, loam	ML, SM	A-2, A-4	0	0	95-100	90-100	70-100	25-60	15-30	NP-7
ImB:												
Iuka----------	0-13	Sandy loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0	0	95-100	90-100	70-100	30-60	15-20	NP-7
	13-22	Fine sandy loam, loam, sandy loam	CL-ML, ML, SC-SM, SM	A-4	0	0	95-100	85-100	65-100	36-75	15-30	NP-7
	22-60	Sandy loam, fine sandy loam, loam	ML, SM	A-2, A-4	0	0	95-100	90-100	70-100	25-60	15-30	NP-7
In:												
Iuka----------	0-13	Silt loam	CL-ML, ML	A-4	0	0	95-100	95-100	80-95	50-80	15-30	NP-7
	13-22	Fine sandy loam, loam, sandy loam	CL-ML, ML, SC-SM, SM	A-4	0	0	95-100	85-100	65-100	36-75	15-30	NP-7
	22-60	Sandy loam, fine sandy loam, loam	ML, SM	A-2, A-4	0	0	95-100	90-100	70-100	25-60	15-30	NP-7
IoA:												
Iuka----------	0-13	Silt loam	CL-ML, ML	A-4	0	0	95-100	95-100	80-95	50-80	15-30	NP-7
	13-22	Fine sandy loam, loam, sandy loam	CL-ML, ML, SC-SM, SM	A-4	0	0	95-100	85-100	65-100	36-75	15-30	NP-7
	22-60	Sandy loam, fine sandy loam, loam	ML, SM	A-2, A-4	0	0	95-100	90-100	70-100	25-60	15-30	NP-7
IoB:												
Iuka----------	0-13	Silt loam	CL-ML, ML	A-4	0	0	95-100	95-100	80-95	50-80	15-30	NP-7
	13-22	Fine sandy loam, loam, sandy loam	CL-ML, ML, SC-SM, SM	A-4	0	0	95-100	85-100	65-100	36-75	15-30	NP-7
	22-60	Sandy loam, fine sandy loam, loam	ML, SM	A-2, A-4	0	0	95-100	90-100	70-100	25-60	15-30	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	
Iu:												
Iuka----------	0-13	Silt loam	CL-ML, ML	A-4	0	0	95-100	95-100	80-95	50-80	15-30	NP-7
	13-22	Fine sandy loam, loam, sandy loam	CL-ML, ML, SC-SM, SM	A-4	0	0	95-100	85-100	65-100	36-75	15-30	NP-7
	22-60	Sandy loam, fine sandy loam, loam	ML, SM	A-2, A-4	0	0	95-100	90-100	70-100	25-60	15-30	NP-7
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
Ix:												
Iuka----------	0-13	Silt loam	CL-ML, ML	A-4	0	0	95-100	95-100	80-95	50-80	15-30	NP-7
	13-22	Fine sandy loam, loam, sandy loam	CL-ML, ML, SC-SM, SM	A-4	0	0	95-100	85-100	65-100	36-75	15-30	NP-7
	22-60	Sandy loam, fine sandy loam, loam	ML, SM	A-2, A-4	0	0	95-100	90-100	70-100	25-60	15-30	NP-7
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
Jo:												
Johnston--------	0-30	Fine sandy loam	ML, SM	A-2, A-4	0	0	100	100	60-100	18-65	15-35	NP-10
	30-34	Stratified loamy sand to sand	SM, SP-SM	A-2, A-3	0	0	100	100	50-100	5-30	0-14	NP
	34-60	Stratified fine sandy loam to sandy loam	SM	A-2, A-4	0	0	100	100	50-100	25-49	15-35	NP-10
Johnston--------	0-30	Fine sandy loam	ML, SM	A-2, A-4	0	0	100	100	60-100	18-65	15-35	NP-10
	30-34	Stratified loamy sand to sand	SM, SP-SM	A-2, A-3	0	0	100	100	50-100	5-30	0-14	NP
	34-60	Stratified fine sandy loam to sandy loam	SM	A-2, A-4	0	0	100	100	50-100	25-49	15-35	NP-10
Ju:												
Johnston--------	0-30	Fine sandy loam	ML, SM	A-2, A-4	0	0	100	100	60-100	18-65	15-35	NP-10
	30-34	Stratified loamy sand to sand	SM, SP-SM	A-2, A-3	0	0	100	100	50-100	5-30	0-14	NP
	34-60	Stratified fine sandy loam to sandy loam	SM	A-2, A-4	0	0	100	100	50-100	25-49	15-35	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	Plas-ticity index
	In				Pct	Pct					Pct	
Urban Land------	0-60	Variable			---	---	---	---	---	---	0-14	---
KeA:												
Keyport---------	0-10	Fine sandy loam	SC, SC-SM, SM	A-2, A-4	0	0	95-100	95-100	60-85	30-50	15-30	NP-8
	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
KeB2:												
Keyport---------	0-10	Fine sandy loam	SC, SC-SM, SM	A-2, A-4	0	0	95-100	95-100	60-85	30-50	15-30	NP-8
	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
KeC2:												
Keyport---------	0-10	Fine sandy loam	SC, SC-SM, SM	A-2, A-4	0	0	95-100	95-100	60-85	30-50	15-30	NP-8
	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
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	CH, CL, MH, ML	A-6, A-7	0	0	95-100	95-100	85-100	70-95	35-55	10-30
KpB2:												
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
KpC2:												
Keyport---------	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	CH, CL, MH, ML	A-6, A-7	0	0	95-100	95-100	85-100	70-95	35-55	10-30
KrC3:												
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

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	
KuB:												
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
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
Ky:												
Klej----------	0-39	Loamy sand	SM, SP-SM	A-2	0	0	100	95-100	50-95	10-25	15-20	NP
	39-47	Sand, fine sand	SM, SP-SM	A-1, A-2, A-3	0	0	90-100	75-100	40-80	5-20	15-20	NP
	47-60	Sandy loam, sandy clay loam	CL, ML, SC, SM	A-2, A-4, A-6	0	0	90-100	75-100	45-95	20-60	10-30	NP-15
LeA:												
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, CL-ML	A-4, A-6	0	0	85-100	80-100	70-100	55-95	15-35	5-15
	49-70	Loam, gravelly sandy loam, clay loam	CL, ML, SC, SM	A-1, A-2, A-4, A-6	0	0	65-100	50-100	30-100	15-95	15-40	3-20
LeB:												
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, CL-ML	A-4, A-6	0	0	85-100	80-100	70-100	55-95	15-35	5-15
	49-70	Loam, gravelly sandy loam, clay loam	CL, ML, SC, SM	A-1, A-2, A-4, A-6	0	0	65-100	50-100	30-100	15-95	15-40	3-20
Ma:												
Made Land-------	0-6	Variable			---	---	---	---	---	---	0-14	---
MfB2:												
Magnolia--------	0-9	Fine sandy loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0	0	90-100	85-100	60-85	30-55	15-25	NP-5
	9-84	Clay loam, clay, silty clay	CH, CL	A-7	0	0	90-100	85-100	80-100	60-90	41-70	18-40
	84-99	Clay loam, clay, gravelly fine sandy loam	CH, CL, SC, SC-SM	A-4, A-6, A-7	0	0	85-100	70-100	55-95	35-90	20-70	5-40

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	
MgB2:												
Magnolia--------	0-9	Silt loam	CL-ML, ML	A-4	0	0	90-100	85-100	80-100	60-90	15-28	NP-7
	9-84	Clay loam, clay, silty clay	CH, CL	A-7	0	0	90-100	85-100	80-100	60-90	41-70	18-40
	84-99	Clay loam, clay, gravelly fine sandy loam	CH, CL, SC, SC-SM	A-4, A-6, A-7	0	0	85-100	70-100	55-95	35-90	20-70	5-40
MgC2:												
Magnolia--------	0-9	Silt loam	CL-ML, ML	A-4	0	0	90-100	85-100	80-100	60-90	15-28	NP-7
	9-84	Clay loam, clay, silty clay	CH, CL	A-7	0	0	90-100	85-100	80-100	60-90	41-70	18-40
	84-99	Clay loam, clay, gravelly fine sandy loam	CH, CL, SC, SC-SM	A-4, A-6, A-7	0	0	85-100	70-100	55-95	35-90	20-70	5-40
MhB2:												
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-1, A-2, A-4, A-6	---	0-5	65-100	50-100	30-95	15-75	20-40	2-12
MhC2:												
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-1, A-2, A-4, A-6	---	0-5	65-100	50-100	30-95	15-75	20-40	2-12
MhD2:												
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	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

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	
MhF2:												
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-1, A-2, A-4, A-6	---	0-5	65-100	50-100	30-95	15-75	20-40	2-12
MkC:												
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-1, A-2, A-4, A-6	---	0-5	65-100	50-100	30-95	15-75	20-40	2-12
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
MlA:												
Marr----------	0-12	Fine sandy loam	CL, ML, SC, SM	A-4	0	0	100	95-100	90-100	45-65	21-29	1-9
	12-34	Sandy clay loam, fine sandy loam	CL, ML, SC	A-4, A-6, A-7	0	0	100	95-100	90-100	40-70	28-45	8-20
	34-60	Fine sandy loam, loamy fine sand	CL, ML, SC, SM	A-4, A-6	0	0	100	95-100	80-100	35-65	15-39	NP-11
MlB2:												
Marr----------	0-12	Fine sandy loam	CL, ML, SC, SM	A-4	0	0	100	95-100	90-100	45-65	21-29	1-9
	12-34	Sandy clay loam, fine sandy loam	CL, ML, SC	A-4, A-6, A-7	0	0	100	95-100	90-100	40-70	28-45	8-20
	34-60	Fine sandy loam, loamy fine sand	CL, ML, SC, SM	A-4, A-6	0	0	100	95-100	80-100	35-65	15-39	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	
MlB3:												
Marr----------	0-12	Fine sandy loam	CL, ML, SC, SM	A-4	0	0	100	95-100	90-100	45-65	21-29	1-9
	12-34	Sandy clay loam, fine sandy loam	CL, ML, SC	A-4, A-6, A-7	0	0	100	95-100	90-100	40-70	28-45	8-20
	34-60	Fine sandy loam, loamy fine sand	CL, ML, SC, SM	A-4, A-6	0	0	100	95-100	80-100	35-65	15-39	NP-11
MlC2:												
Marr----------	0-12	Fine sandy loam	CL, ML, SC, SM	A-4	0	0	100	95-100	90-100	45-65	21-29	1-9
	12-34	Sandy clay loam, fine sandy loam	CL, ML, SC	A-4, A-6, A-7	0	0	100	95-100	90-100	40-70	28-45	8-20
	34-60	Fine sandy loam, loamy fine sand	CL, ML, SC, SM	A-4, A-6	0	0	100	95-100	80-100	35-65	15-39	NP-11
MlC3:												
Marr----------	0-12	Fine sandy loam	CL, ML, SC, SM	A-4	0	0	100	95-100	90-100	45-65	21-29	1-9
	12-34	Sandy clay loam, fine sandy loam	CL, ML, SC	A-4, A-6, A-7	0	0	100	95-100	90-100	40-70	28-45	8-20
	34-60	Fine sandy loam, loamy fine sand	ML, SC, SM, CL	A-4, A-6	0	0	100	95-100	80-100	35-65	15-39	NP-11
MlD3:												
Marr----------	0-12	Fine sandy loam	CL, ML, SC, SM	A-4	0	0	100	95-100	90-100	45-65	21-29	1-9
	12-34	Sandy clay loam, fine sandy loam	CL, ML, SC	A-4, A-6, A-7	0	0	100	95-100	90-100	40-70	28-45	8-20
	34-60	Fine sandy loam, loamy fine sand	CL, ML, SC, SM	A-4, A-6	0	0	100	95-100	80-100	35-65	15-39	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	Plas-ticity index
	In				Pct	Pct					Pct	
MlE:												
Marr----------	0-12	Fine sandy loam	CL, ML, SC, SM	A-4	0	0	100	95-100	90-100	45-65	21-29	1-9
	12-34	Sandy clay loam, fine sandy loam	CL, ML, SC	A-4, A-6, A-7	0	0	100	95-100	90-100	40-70	28-45	8-20
	34-60	Fine sandy loam, loamy fine sand	CL, ML, SC, SM	A-4, A-6	0	0	100	95-100	80-100	35-65	15-39	NP-11
MmA:												
Matapeake-------	0-16	Fine sandy loam	SC-SM, SM	A-2, A-4	0	0	100	100	80-100	30-65	15-30	2-9
	16-34	Silt loam, silty clay loam, loam	CL, ML	A-6	0	0	100	100	80-100	80-100	27-45	10-22
	34-62	Sandy loam, loamy sand, sand	SM, SP-SM	A-2, A-3, A-4	0	0	95-100	90-100	55-70	5-40	15-19	NP-3
MmB2:												
Matapeake-------	0-16	Fine sandy loam	SC-SM, SM	A-2, A-4	0	0	100	100	80-100	30-65	15-30	2-9
	16-34	Silt loam, silty clay loam, loam	CL, ML	A-6	0	0	100	100	80-100	80-100	27-45	10-22
	34-62	Sandy loam, loamy sand, sand	SM, SP-SM	A-2, A-3, A-4	0	0	95-100	90-100	55-70	5-40	15-19	NP-3
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, ML	A-6	0	0	100	100	80-100	80-100	27-45	10-22
	34-62	Sandy loam, loamy sand, sand	SM, SP-SM	A-2, A-3, A-4	0	0	95-100	90-100	55-70	5-40	15-19	NP-3
MnB2:												
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	A-6	0	0	100	100	80-100	80-100	27-45	10-22
	34-62	Sandy loam, loamy sand, sand	SM, SP-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: 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	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	A-6	0	0	100	100	80-100	80-100	27-45	10-22
	34-62	Sandy loam, loamy sand, sand	SM, SP-SM	A-2, A-3, A-4	0	0	95-100	90-100	55-70	5-40	15-19	NP-3
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, ML	A-6	0	0	100	100	80-100	60-90	27-45	10-22
	34-62	Sandy loam, loamy sand, sand	SM, SP-SM	A-2, A-3, A-4	0	0	95-100	90-100	55-70	5-40	15-19	NP-3
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	A-6	0	0	100	100	80-100	80-100	27-45	10-22
	34-62	Sandy loam, loamy sand, sand	SM, SP-SM	A-2, A-3, A-4	0	0	95-100	90-100	55-70	5-40	15-19	NP-3
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, ML	A-6	0	0	100	100	80-100	80-100	27-45	10-22
	34-62	Sandy loam, loamy sand, sand	SM, SP-SM	A-2, A-3, A-4	0	0	95-100	90-100	55-70	5-40	15-19	NP-3
MpB:												
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	A-6	0	0	100	100	80-100	80-100	27-45	10-22
	34-62	Sandy loam, loamy sand, sand	SM, SP-SM	A-2, A-3, A-4	0	0	95-100	90-100	55-70	5-40	15-19	NP-3
Urban 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	Plasticity index
	In				Pct	Pct					Pct	
MpC:												
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	A-6	0	0	100	100	80-100	80-100	27-45	10-22
	34-62	Sandy loam, loamy sand, sand	SM, SP-SM	A-2, A-3, A-4	0	0	95-100	90-100	55-70	5-40	15-19	NP-3
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
MrA:												
Matawan---------	0-20	Fine sandy loam	ML, SC-SM, SM	A-2, A-4	0	0	100	100	60-85	30-55	15-30	NP-6
	20-38	Sandy clay loam, sandy loam, clay loam	CL, ML, SC, SM	A-2, A-4, A-6, A-7	0	0	100	95-100	60-95	30-80	15-45	3-20
	38-60	Stratified sand to clay loam	CL, ML, SC, SM	A-2, A-4, A-6, A-7	0	0	100	95-100	50-95	5-80	15-45	NP-20
MrB2:												
Matawan---------	0-20	Fine sandy loam	ML, SC-SM, SM	A-2, A-4	0	0	100	100	60-85	30-55	15-30	NP-6
	20-38	Sandy clay loam, sandy loam, clay loam	CL, ML, SC, SM	A-2, A-4, A-6, A-7	0	0	100	95-100	60-95	30-80	15-45	3-20
	38-60	Stratified sand to clay loam	CL, ML, SC, SM	A-2, A-4, A-6, A-7	0	0	100	95-100	50-95	5-80	15-45	NP-20
MrC2:												
Matawan---------	0-20	Fine sandy loam	ML, SC-SM, SM	A-2, A-4	0	0	100	100	60-85	30-55	15-30	NP-6
	20-38	Sandy clay loam, sandy loam, clay loam	CL, ML, SC, SM	A-2, A-4, A-6, A-7	0	0	100	95-100	60-95	30-80	15-45	3-20
	38-60	Stratified sand to clay loam	CL, ML, SC, SM	A-2, A-4, A-6, A-7	0	0	100	95-100	50-95	5-80	15-45	NP-20
MsA:												
Matawan---------	0-20	Loamy sand	SM	A-2	0	0	100	100	50-75	15-30	15-30	NP
	20-38	Sandy clay loam, sandy loam, clay loam	CL, ML, SC, SM	A-2, A-4, A-6, A-7	0	0	100	95-100	60-95	30-80	15-45	3-20
	38-60	Stratified sand to clay loam	CL, ML, SC, SM	A-2, A-4, A-6, A-7	0	0	100	95-100	50-95	5-80	15-45	NP-20

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	
MsB:												
Matawan---------	0-20	Loamy sand	SM	A-2	0	0	100	100	50-75	15-30	15-30	NP
	20-38	Sandy clay loam, sandy loam, clay loam	CL, ML, SC, SM	A-2, A-4, A-6, A-7	0	0	100	95-100	60-95	30-80	15-45	3-20
	38-60	Stratified sand to clay loam	CL, ML, SC, SM	A-2, A-4, A-6, A-7	0	0	100	95-100	50-95	5-80	15-45	NP-20
MtA:												
Mattapex--------	0-15	Fine sandy loam	ML, SC-SM, SM	A-2, A-4	0	0	95-100	90-100	80-100	30-65	15-30	NP-10
	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	CL, ML, SC, SM	A-2, A-4, A-6	0	0	95-100	90-100	45-95	15-75	15-40	NP-18
MtB2:												
Mattapex--------	0-15	Fine sandy loam	ML, SC-SM, SM	A-2, A-4	0	0	95-100	90-100	80-100	30-65	15-30	NP-10
	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	CL, ML, SC, SM	A-2, A-4, A-6	0	0	95-100	90-100	45-95	15-75	15-40	NP-18
MuA:												
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-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	SC, SM, CL, ML	A-2, A-4, A-6	0	0	95-100	90-100	45-95	15-75	15-40	NP-18
MuB2:												
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-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	CL, ML, SC, SM	A-2, A-4, A-6	0	0	95-100	90-100	45-95	15-75	15-40	NP-18

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	
MvB:												
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-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	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			---	---	---	---	---	---	0-14	---
Mw:												
Mixed Alluvial Land----------	0-12	Silt loam	CL-ML, ML	A-4	0	0-5	95-100	90-100	80-90	50-80	15-25	NP-7
	12-60	Sandy loam, loam, silt loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0	0-10	60-100	50-100	40-100	30-90	15-30	NP-7
MxC3:												
Monmouth--------	0-10	Loam	CL, ML, SC, SM	A-2-4, A-2-6, A-4, A-6	0	0	95-100	80-100	50-75	25-75	19-31	3-12
	10-40	Sandy clay, sandy clay loam, clay	CH, MH, SC, SM	A-2-6, A-2-7, A-6, A-7-6	0	0	95-100	80-100	65-75	35-75	35-55	15-25
	40-60	Stratified sandy loam to clay	MH, ML, SC, SM	A-4, A-6, A-7-5	0	0	95-100	80-100	70-90	35-90	22-55	7-25
MxD3:												
Monmouth--------	0-10	Loam	CL, ML, SC, SM	A-2-4, A-2-6, A-4, A-6	0	0	95-100	80-100	50-75	25-75	19-31	3-12
	10-40	Sandy clay, sandy clay loam, clay	CH, MH, SC, SM	A-2-6, A-2-7, A-6, A-7-6	0	0	95-100	80-100	65-75	35-75	35-55	15-25
	40-60	Stratified sandy loam to clay	MH, ML, SC, SM	A-4, A-6, A-7-5	0	0	95-100	80-100	70-90	35-90	22-55	7-25
MyA:												
Monmouth--------	0-10	Fine sandy loam	CL, ML, SC, SM	A-2-4, A-2-6, A-4, A-6	0	0	95-100	80-100	50-75	25-75	19-31	3-12
	10-40	Sandy clay, sandy clay loam, clay	CH, MH, SC, SM	A-2-6, A-2-7, A-6, A-7-6	0	0	95-100	80-100	65-75	35-75	35-55	15-25
	40-60	Stratified sandy loam to clay	MH, ML, SC, SM	A-4, A-6, A-7-5	0	0	95-100	80-100	70-90	35-90	22-55	7-25

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	
MyB2:												
Monmouth--------	0-10	Fine sandy loam	CL, ML, SC, SM	A-2-4, A-2-6, A-4, A-6	0	0	95-100	80-100	50-75	25-75	19-31	3-12
	10-40	Sandy clay, sandy clay loam, clay	CH, MH, SC, SM	A-2-6, A-2-7, A-6, A-7-6	0	0	95-100	80-100	65-75	35-70	35-55	15-25
	40-60	Stratified sandy loam to clay	SC, SM, MH, ML	A-4, A-6, A-7-5	0	0	95-100	80-100	70-90	35-90	22-55	7-25
MyC2:												
Monmouth--------	0-10	Fine sandy loam	CL, ML, SC, SM	A-2-4, A-2-6, A-4, A-6	0	0	95-100	80-100	50-75	25-75	19-31	3-12
	10-40	Sandy clay, sandy clay loam, clay	CH, MH, SC, SM	A-2-6, A-2-7, A-6, A-7-6	0	0	95-100	80-100	65-75	35-75	35-55	15-25
	40-60	Stratified sandy loam to clay	MH, ML, SC, SM	A-4, A-6, A-7-5	0	0	95-100	80-100	70-90	35-90	22-55	7-25
MyD2:												
Monmouth--------	0-10	Fine sandy loam	CL, ML, SC, SM	A-2-4, A-2-6, A-4, A-6	0	0	95-100	80-100	50-75	25-75	19-31	3-12
	10-40	Sandy clay, sandy clay loam, clay	CH, MH, SC, SM	A-2-6, A-2-7, A-6, A-7-6	0	0	95-100	80-100	65-75	35-75	35-55	15-25
	40-60	Stratified sandy loam to clay	MH, ML, SC, SM	A-4, A-6, A-7-5	0	0	95-100	80-100	70-90	35-90	22-55	7-25
MzB2:												
Muirkirk--------	0-28	Loamy sand	SM, SP-SM	A-1, A-2, A-3, A-4	0	0	100	85-100	50-85	5-45	---	NP
	28-36	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
	36-60	Clay, silty clay	CH, CL, MH	A-6, A-7	0	0	100	100	100	90-100	40-59	17-31

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	
MzC2:												
Muirkirk--------	0-28	Loamy sand	SM, SP-SM	A-1, A-2, A-3, A-4	0	0	100	85-100	50-85	5-45	---	NP
	28-36	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
	36-60	Clay, silty clay	CH, CL, MH	A-6, A-7	0	0	100	100	100	90-100	40-59	17-31
OcA:												
Ochlockonee-----	0-6	Sandy loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0	0	100	95-100	65-90	40-70	15-26	NP-5
	6-44	Fine sandy loam, sandy loam, silt loam	CL, ML, SC, SM	A-4	0	0	100	95-100	95-100	36-75	15-32	NP-9
	44-72	Loamy sand, sandy loam, silt loam	CL, ML, SC, SM	A-2, A-4	0	0	100	95-100	85-99	13-80	15-32	NP-9
OcB:												
Ochlockonee-----	0-6	Sandy loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0	0	100	95-100	65-90	40-70	15-26	NP-5
	6-44	Fine sandy loam, sandy loam, silt loam	CL, ML, SC, SM	A-4	0	0	100	95-100	95-100	36-75	15-32	NP-9
	44-72	Loamy sand, sandy loam, silt loam	CL, ML, SC, SM	A-2, A-4	0	0	100	95-100	85-99	13-80	15-32	NP-9
OcC:												
Ochlockonee-----	0-6	Sandy loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0	0	100	95-100	65-90	40-70	15-26	NP-5
	6-44	Fine sandy loam, sandy loam, silt loam	CL, ML, SC, SM	A-4	0	0	100	95-100	95-100	36-75	15-32	NP-9
	44-72	Loamy sand, sandy loam, silt loam	CL, ML, SC, SM	A-2, A-4	0	0	100	95-100	85-99	13-80	15-32	NP-9

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	
OhA:												
Ochlockonee-----	0-6	Silt loam	CL-ML, ML	A-4	0	0	100	95-100	95-100	50-90	15-30	NP-7
	6-44	Fine sandy loam, sandy loam, silt loam	CL, ML, SC, SM	A-4	0	0	100	95-100	95-100	36-75	15-32	NP-9
	44-72	Loamy sand, sandy loam, silt loam	CL, ML, SC, SM	A-2, A-4	0	0	100	95-100	85-99	13-80	15-32	NP-9
OhB:												
Ochlockonee-----	0-6	Silt loam	CL-ML, ML	A-4	0	0	100	95-100	95-100	50-90	15-30	NP-7
	6-44	Fine sandy loam, sandy loam, silt loam	SM, CL, ML, SC	A-4	0	0	100	95-100	95-100	36-75	15-32	NP-9
	44-72	Loamy sand, sandy loam, silt loam	CL, ML, SC, SM	A-2, A-4	0	0	100	95-100	85-99	13-80	15-32	NP-9
Ok:												
Ochlockonee, Local A--------	0-6	Sandy loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0	0	100	95-100	65-90	40-70	15-26	NP-5
	6-44	Fine sandy loam, sandy loam, silt loam	CL, ML, SC, SM	A-4	0	0	100	95-100	95-100	36-75	15-32	NP-9
	44-72	Loamy sand, sandy loam, silt loam	CL, ML, SC, SM	A-2, A-4	0	0	100	95-100	85-99	13-80	15-32	NP-9
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
Ol:												
Othello---------	0-9	Fine sandy 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
	29-60	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

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	
Ot:												
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
	29-60	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
Pr:												
Plummer---------	0-50	Loamy sand	SM	A-2-4	0	0	100	100	75-96	13-26	0-14	NP
	50-72	Sandy loam, sandy clay loam, fine sandy loam	SC, SC-SM, SM	A-2-4, A-4	0	0	100	97-100	76-96	20-48	15-30	NP-10
Rutlege---------	0-18	Loamy sand	SM, SP-SM	A-2, A-3	0	0	95-100	95-100	50-80	5-35	15-25	NP
	18-60	Sand, loamy sand, loamy fine sand	SM, SP, SP-SM	A-2, A-3	0	0	95-100	95-100	50-80	2-25	15-20	NP
RdA:												
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, 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-2, A-3, A-4	0	0	50-100	35-100	20-85	2-40	15-25	NP-6
RdB2:												
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, SC-SM, 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	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

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	
RdC2:												
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, SC-SM, 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	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
RdC3:												
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, SC-SM, 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	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
RdD2:												
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, SC-SM, 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	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
ReB:												
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, SC-SM, 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	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
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
	16-30	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
	30-72	Stratified sand to sandy loam	SC-SM, SM, SP, SP-SM	A-1, A-2, A-3	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	
ReC:												
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, SC-SM, 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	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
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
	16-30	Sand, 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
	30-72	Stratified sand to sandy loam	SC-SM, SM, SP, SP-SM	A-1, A-2, A-3	0	0	75-100	65-100	35-95	0-35	10-15	NP-5
ReD:												
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, SC-SM, 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	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
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
	16-30	Sand, loamy sand	SP, SP-SM	A-2, A-3, A-1	0	0	90-100	85-100	40-90	0-12	10-15	NP-3
	30-72	Stratified sand to sandy loam	SC-SM, SM, SP, SP-SM	A-1, A-2, A-3	0	0	75-100	65-100	35-95	0-35	10-15	NP-5
SaE:												
Sandy Land------	0-11	Sand	SP, SP-SM	A-1, A-2, A-3	0	0	95-100	55-100	30-75	4-10	0-14	NP
	11-40	Loamy sand, sand, loamy fine sand	SM, SP-SM	A-1, A-2, A-3	0	0	95-100	95-100	45-75	4-20	0-14	NP
	40-65	Sand, loamy sand, gravelly sand	SP, SP-SM	A-1, A-2, A-3	0	0	75-100	55-100	30-75	4-10	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	Plas-ticity index
	In				Pct	Pct					Pct	
ScB:												
Sandy And Clayey Lan----------	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, SC-SM, 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	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
ScC:												
Sandy And Clayey Lan----------	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, SC-SM, 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	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
ScD:												
Sandy And Clayey Lan----------	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, SC-SM, 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	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
SfB2:												
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, ML, 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-1, A-2, A-4	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	
SfC2:												
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, ML, 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-1, A-2, A-4	0	0	70-100	50-100	30-90	5-50	15-26	NP-8
SfD2:												
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, ML, 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-1, A-2, A-4	0	0	70-100	50-100	30-90	5-50	15-26	NP-8
SgB2:												
Sassafras-------	0-9	Gravelly sandy 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, ML, 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-1, A-2, A-4	0	0	70-100	50-100	30-90	5-50	15-26	NP-8
SgC2:												
Sassafras-------	0-9	Gravelly sandy 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, ML, 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-1, A-2, A-4	0	0	70-100	50-100	30-90	5-50	15-26	NP-8
SgC3:												
Sassafras-------	0-9	Gravelly sandy 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, ML, SC-SM	A-6, A-2, A-4	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-1, A-2, A-4	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	
SgD2:												
Sassafras-------	0-9	Gravelly sandy 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, ML, 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-1, A-2, A-4	0	0	70-100	50-100	30-90	5-50	15-26	NP-8
SgD3:												
Sassafras-------	0-9	Gravelly sandy 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, ML, 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-1, A-2, A-4	0	0	70-100	50-100	30-90	5-50	15-26	NP-8
SgE:												
Sassafras-------	0-9	Gravelly sandy 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, ML, 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-1, A-2, A-4	0	0	70-100	50-100	30-90	5-50	15-26	NP-8
ShA:												
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

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	
ShB2:												
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
ShC2:												
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
ShC3:												
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, 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
SkB:												
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------	0-6	Variable			---	---	---	---	---	---	0-14	---
SkC:												
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

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	
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
SkE:												
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-2, A-3, A-4, A-1	0	0	70-100	50-100	30-90	5-55	15-26	NP-8
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
SlD:												
Collington------	0-13	Sandy loam	CL, ML, SC, SM	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, SM	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
Sassafras-------	0-9	Gravelly sandy 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, ML, 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-1, A-2, A-4	0	0	70-100	50-100	30-90	5-50	15-26	NP-8
Aura----------	0-8	Gravelly sandy loam	SC, SC-SM, SM	A-1-b, A-2-4, A-4	0	0	60-100	55-95	35-70	20-40	15-23	NP-7
	8-59	Gravelly sandy loam, sandy clay loam, gravelly sandy clay loam	GC, GM, SC, SM	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-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	
SlE:												
Collington------	0-13	Sandy loam	CL, ML, SC, SM	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, SM	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-SM, SM, SC	A-1-b, A-2-4, A-4	0	0	95-100	95-100	50-70	10-40	15-30	NP-10
Sassafras-------	0-9	Gravelly sandy 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, ML, 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-1, A-2, A-4	0	0	70-100	50-100	30-90	5-50	15-26	NP-8
Aura----------	0-8	Gravelly sandy loam	SC, SC-SM, SM	A-1-b, A-2-4, A-4	0	0	60-100	55-95	35-70	20-40	15-23	NP-7
	8-59	Gravelly sandy loam, sandy clay loam, gravelly sandy clay loam	GC, GM, SC, SM	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-2-4, A-3, A-4, A-6	0	0	70-100	35-90	20-75	5-40	15-38	NP-17
SmA:												
Shrewsbury------	0-14	Fine sandy loam	CL, ML, SC, SM	A-2-4, A-4	0	0	95-100	95-100	60-95	30-75	15-27	NP-9
	14-32	Sandy loam, sandy clay loam, clay loam	CL, ML, SC, SM	A-2-6, A-4, A-6	0	0	95-100	95-100	65-100	35-80	25-40	7-18
	32-60	Stratified loamy sand to sandy loam	SC, SM	A-2-4, A-4	0	0	90-100	90-100	60-95	15-45	15-23	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	
SmB:												
Shrewsbury------	0-14	Fine sandy loam	CL, ML, SC, SM	A-2-4, A-4	0	0	95-100	95-100	60-95	30-75	15-27	NP-9
	14-32	Sandy loam, sandy clay loam, clay loam	CL, ML, SC, SM	A-2-6, A-4, A-6	0	0	95-100	95-100	65-100	35-80	25-40	7-18
	32-60	Stratified loamy sand to sandy loam	SC, SM	A-2-4, A-4	0	0	90-100	90-100	60-95	15-45	15-23	NP-8
SnA:												
Shrewsbury------	0-14	Fine sandy loam	CL, ML, SC, SM	A-2-4, A-4	0	0	95-100	95-100	60-95	30-75	15-27	NP-9
	14-32	Sandy loam, sandy clay loam, clay loam	CL, ML, SC, SM	A-2-6, A-4, A-6	0	0	95-100	95-100	65-100	35-80	25-40	7-18
	32-60	Stratified loamy sand to sandy loam	SC, SM	A-2-4, A-4	0	0	90-100	90-100	60-95	15-45	15-23	NP-8
So:												
Shrewsbury------	0-14	Fine sandy loam	CL, ML, SC, SM	A-2-4, A-4	0	0	95-100	95-100	60-95	30-75	15-27	NP-9
	14-32	Sandy loam, sandy clay loam, clay loam	CL, ML, SC, SM	A-2-6, A-4, A-6	0	0	95-100	95-100	65-100	35-80	25-40	7-18
	32-60	Stratified loamy sand to sandy loam	SC, SM	A-2-4, A-4	0	0	90-100	90-100	60-95	15-45	15-23	NP-8
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
SpB:												
Silty And Clayey Land, Gently---	0-7	Silty clay loam	CH, CL	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	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	Plas-ticity index
	In				Pct	Pct					Pct	
SpC:												
Silty And Clayey Land, Slopin---	0-7	Silty clay loam	CH, CL	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	CH, CL	A-7	0	0	90-100	80-100	70-100	60-95	40-59	17-31
SpE:												
Silty And Clayey Land, Steep----	0-7	Silty clay loam	CH, CL	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	CH, CL	A-7	0	0	90-100	80-100	70-100	60-95	40-59	17-31
StB2:												
Sunnyside-------	0-8	Fine sandy loam	SC, SM	A-2, A-4	0	0	95-100	80-100	55-85	30-55	15-22	NP-12
	8-48	Sandy clay loam, fine sandy loam, loam	CL, SC, SM	A-2, A-4, A-6	0	0	95-100	80-100	55-95	30-75	15-40	NP-24
	48-60	Loamy fine sand, fine sandy loam, fine sand	SC-SM, SM	A-2, A-4	0	0	95-100	80-100	50-85	15-55	15-15	NP-7
StC2:												
Sunnyside-------	0-8	Fine sandy loam	SC, SM	A-2, A-4	0	0	95-100	80-100	55-85	30-55	15-22	NP-12
	8-48	Sandy clay loam, fine sandy loam, loam	CL, SC, SM	A-2, A-4, A-6	0	0	95-100	80-100	55-95	30-75	15-40	NP-24
	48-60	Loamy fine sand, fine sandy loam, fine sand	SC-SM, SM	A-2, A-4	0	0	95-100	80-100	50-85	15-55	15-15	NP-7
StD2:												
Sunnyside-------	0-8	Fine sandy loam	SC, SM	A-2, A-4	0	0	95-100	80-100	55-85	30-55	15-22	NP-12
	8-48	Sandy clay loam, fine sandy loam, loam	CL, SC, SM	A-2, A-4, A-6	0	0	95-100	80-100	55-95	30-75	15-40	NP-24
	48-60	Loamy fine sand, fine sandy loam, fine sand	SC-SM, SM	A-2, A-4	0	0	95-100	80-100	50-85	15-55	15-15	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	
StE:												
Sunnyside-------	0-8	Fine sandy loam	SC, SM	A-2, A-4	0	0	95-100	80-100	55-85	30-55	15-22	NP-12
	8-48	Sandy clay loam, fine sandy loam, loam	CL, SC, SM	A-2, A-4, A-6	0	0	95-100	80-100	55-95	30-75	15-40	NP-24
	48-60	Loamy fine sand, fine sandy loam, fine sand	SM, SC-SM	A-2, A-4	0	0	95-100	80-100	50-85	15-55	15-15	NP-7
SuB2:												
Sunnyside-------	0-8	Loam	CL, ML, SC, SM	A-4, A-6	0	0	95-100	80-100	70-90	30-75	15-26	NP-12
	8-48	Sandy clay loam, fine sandy loam, loam	CL, SC, SM	A-2, A-4, A-6	0	0	95-100	80-100	55-95	30-75	15-40	NP-24
	48-60	Loamy fine sand, fine sandy loam, fine sand	SC-SM, SM	A-2, A-4	0	0	95-100	80-100	50-85	15-55	15-15	NP-7
SuC2:												
Sunnyside-------	0-8	Loam	CL, ML, SC, SM	A-4, A-6	0	0	95-100	80-100	70-90	30-75	15-26	NP-12
	8-48	Sandy clay loam, fine sandy loam, loam	CL, SC, SM	A-2, A-4, A-6	0	0	95-100	80-100	55-95	30-75	15-40	NP-24
	48-60	Loamy fine sand, fine sandy loam, fine sand	SC-SM, SM	A-2, A-4	0	0	95-100	80-100	50-85	15-55	15-15	NP-7
SuD2:												
Sunnyside-------	0-8	Loam	CL, ML, SC, SM	A-4, A-6	0	0	95-100	80-100	70-90	30-75	15-26	NP-12
	8-48	Sandy clay loam, fine sandy loam, loam	CL, SC, SM	A-2, A-4, A-6	0	0	95-100	80-100	55-95	30-75	15-40	NP-24
	48-60	Loamy fine sand, fine sandy loam, fine sand	SC-SM, SM	A-2, A-4	0	0	95-100	80-100	50-85	15-55	15-15	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	
SvC3:												
Sunnyside-------	0-8	Sandy clay loam	CL, ML, SC, SM	A-4, A-6	0	0	95-100	80-100	70-90	30-75	15-26	NP-12
	8-48	Sandy clay loam, fine sandy loam, loam	CL, SC, SM	A-2, A-4, A-6	0	0	95-100	80-100	55-95	30-75	15-40	NP-24
	48-60	Loamy fine sand, fine sandy loam, fine sand	SC-SM, SM	A-2, A-4	0	0	95-100	80-100	50-85	15-55	0-14	NP-5
SvD3:												
Sunnyside-------	0-8	Sandy clay loam	CL, ML, SC, SM	A-4, A-6	0	0	95-100	80-100	70-90	30-75	15-26	NP-12
	8-48	Sandy clay loam, fine sandy loam, loam	CL, SC, SM	A-2, A-4, A-6	0	0	95-100	80-100	55-95	30-75	15-40	NP-24
	48-60	Loamy fine sand, fine sandy loam, fine sand	SC-SM, SM	A-2, A-4	0	0	95-100	80-100	50-85	15-55	0-14	NP-5
SwB:												
Sunnyside-------	0-8	Loam	CL, ML, SC, SM	A-4, A-6	0	0	95-100	80-100	70-90	30-75	15-26	NP-12
	8-48	Sandy clay loam, fine sandy loam, loam	CL, SC, SM	A-2, A-4, A-6	0	0	95-100	80-100	55-95	30-75	15-40	NP-24
	48-60	Loamy fine sand, fine sandy loam, fine sand	SC-SM, SM	A-2, A-4	0	0	95-100	80-100	50-85	15-55	15-15	NP-7
Urban 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	Plasticity index
	In				Pct	Pct					Pct	
SwC:												
Sunnyside-------	0-8	Loam	CL, ML, SC, SM	A-4, A-6	0	0	95-100	80-100	70-90	30-75	15-26	NP-12
	8-48	Sandy clay loam, fine sandy loam, loam	CL, SC, SM	A-2, A-4, A-6	0	0	95-100	80-100	55-95	30-75	15-40	NP-24
	48-60	Loamy fine sand, fine sandy loam, fine sand	SC-SM, SM	A-2, A-4	0	0	95-100	80-100	50-85	15-55	15-15	NP-7
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
Sx:												
Manahawkin------	0-39		PT	A-8	---	---	---	---	---	---	0-14	---
	39-60	Sand, gravelly sand	GP-GM, GW, SP-SM, SW	A-1	0	0	40-100	35-100	20-50	4-10	15-20	NP-3
Tm:												
Westbrook-------	0-10		PT	A-8	0	0	---	---	---	---	0-14	NP
	10-48		PT	A-8	0	0	---	---	---	---	0-14	NP
	48-99	Silt loam, silty clay loam, sandy loam	CL, ML, SM	A-4, A-6	0	0	90-100	85-100	65-100	40-100	15-40	NP-25
WaA:												
Westphalia------	0-10	Fine sandy loam	CL, ML, SC, SM	A-6, A-4	0	0	100	95-100	75-95	45-65	26-34	3-11
	10-28	Fine sandy loam, very fine sandy loam, loamy fine sand	CL, ML, SC, SM	A-4, A-6	0	0	100	95-100	75-100	45-80	15-38	NP-16
	28-72	Fine sand, loamy fine sand	CL, ML, SC, SM	A-2, A-4, A-6	0	0	100	95-100	70-100	30-55	15-35	NP-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	Plasticity index
	In				Pct	Pct					Pct	
WaB2:												
Westphalia------	0-10	Fine sandy loam	CL, ML, SC, SM	A-4, A-6	0	0	100	95-100	75-95	45-65	26-34	3-11
	10-28	Fine sandy loam, very fine sandy loam, loamy fine sand	ML, SC, SM, CL	A-4, A-6	0	0	100	95-100	75-100	45-80	15-38	NP-16
	28-72	Fine sand, loamy fine sand	CL, ML, SC, SM	A-2, A-4, A-6	0	0	100	95-100	70-100	30-55	15-35	NP-14
WaB3:												
Westphalia------	0-10	Fine sandy loam	CL, ML, SC, SM	A-4, A-6	0	0	100	95-100	75-95	45-65	26-34	3-11
	10-28	Fine sandy loam, very fine sandy loam, loamy fine sand	CL, ML, SC, SM	A-4, A-6	0	0	100	95-100	75-100	45-80	15-38	NP-16
	28-72	Fine sand, loamy fine sand	CL, ML, SC, SM	A-2, A-4, A-6	0	0	100	95-100	70-100	30-55	15-35	NP-14
WaC2:												
Westphalia------	0-10	Fine sandy loam	CL, ML, SC, SM	A-4, A-6	0	0	100	95-100	75-95	45-65	26-34	3-11
	10-28	Fine sandy loam, very fine sandy loam, loamy fine sand	CL, ML, SC, SM	A-4, A-6	0	0	100	95-100	75-100	45-80	15-38	NP-16
	28-72	Fine sand, loamy fine sand	CL, ML, SC, SM	A-2, A-4, A-6	0	0	100	95-100	70-100	30-55	15-35	NP-14
WaC3:												
Westphalia------	0-10	Fine sandy loam	CL, ML, SC, SM	A-4, A-6	0	0	100	95-100	75-95	45-65	26-34	3-11
	10-28	Fine sandy loam, very fine sandy loam, loamy fine sand	CL, ML, SC, SM	A-4, A-6	0	0	100	95-100	75-100	45-80	15-38	NP-16
	28-72	Fine sand, loamy fine sand	CL, ML, SC, SM	A-2, A-4, A-6	0	0	100	95-100	70-100	30-55	15-35	NP-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	
WaD2:												
Westphalia------	0-10	Fine sandy loam	CL, ML, SC, SM	A-4, A-6	0	0	100	95-100	75-95	45-65	26-34	3-11
	10-28	Fine sandy loam, very fine sandy loam, loamy fine sand	CL, ML, SC, SM	A-4, A-6	0	0	100	95-100	75-100	45-80	15-38	NP-16
	28-72	Fine sand, loamy fine sand	CL, ML, SC, SM	A-2, A-4, A-6	0	0	100	95-100	70-100	30-55	15-35	NP-14
WaD3:												
Westphalia------	0-10	Fine sandy loam	CL, ML, SC, SM	A-4, A-6	0	0	100	95-100	75-95	45-65	26-34	3-11
	10-28	Fine sandy loam, very fine sandy loam, loamy fine sand	CL, ML, SC, SM	A-4, A-6	0	0	100	95-100	75-100	45-80	15-38	NP-16
	28-72	Fine sand, loamy fine sand	CL, ML, SC, SM	A-2, A-4, A-6	0	0	100	95-100	70-100	30-55	15-35	NP-14
WbB2:												
Westphalia------	0-10	Very fine sandy loam	CL, ML, SC, SM	A-4, A-6	0	0	100	95-100	75-95	45-65	26-34	3-11
	10-28	Fine sandy loam, very fine sandy loam, loamy fine sand	CL, ML, SC, SM	A-4, A-6	0	0	100	95-100	75-100	45-80	15-38	NP-16
	28-72	Fine sand, loamy fine sand	CL, ML, SC, SM	A-2, A-4, A-6	0	0	100	95-100	70-100	30-55	15-35	NP-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	Plasticity index
	In				Pct	Pct					Pct	
WbC2:												
Westphalia------	0-10	Very fine sandy loam	CL, ML, SC, SM	A-4, A-6	0	0	100	95-100	75-95	45-65	26-34	3-11
	10-28	Fine sandy loam, very fine sandy loam, loamy fine sand	CL, ML, SC, SM	A-4, A-6	0	0	100	95-100	75-100	45-80	15-38	NP-16
	28-72	Fine sand, loamy fine sand	CL, ML, SC, SM	A-2, A-4, A-6	0	0	100	95-100	70-100	30-55	15-35	NP-14
WbD2:												
Westphalia------	0-10	Very fine sandy loam	CL, ML, SC, SM	A-4, A-6	0	0	100	95-100	75-95	45-65	26-34	3-11
	10-28	Fine sandy loam, very fine sandy loam, loamy fine sand	CL, ML, SC, SM	A-4, A-6	0	0	100	95-100	75-100	45-80	15-38	NP-16
	28-72	Fine sand, loamy fine sand	CL, ML, SC, SM	A-2, A-4, A-6	0	0	100	95-100	70-100	30-55	15-35	NP-14
WeB2:												
Westphalia------	0-10	Very fine sandy loam	CL, ML, SC, SM	A-4, A-6	0	0	100	95-100	75-95	45-65	26-34	3-11
	10-28	Fine sandy loam, very fine sandy loam, loamy fine sand	CL, ML, SC, SM	A-4, A-6	0	0	100	95-100	75-100	45-80	15-38	NP-16
	28-72	Fine sand, loamy fine sand	CL, ML, SC, SM	A-2, A-4, A-6	0	0	100	95-100	70-100	30-55	15-35	NP-14
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
	16-30	Sand, 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
	30-72	Stratified sand to sandy loam	SC-SM, SM, SP, SP-SM	A-1, A-2, A-3	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	Plas-ticity index
	In				Pct	Pct					Pct	
WeC2:												
Westphalia------	0-10	Very fine sandy loam	CL, ML, SC, SM	A-4, A-6	0	0	100	95-100	75-95	45-65	26-34	3-11
	10-28	Fine sandy loam, very fine sandy loam, loamy fine sand	CL, ML, SC, SM	A-4, A-6	0	0	100	95-100	75-100	45-80	15-38	NP-16
	28-72	Fine sand, loamy fine sand	CL, ML, SC, SM	A-6, A-2, A-4	0	0	100	95-100	70-100	30-55	15-35	NP-14
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
	16-30	Sand, 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
	30-72	Stratified sand to sandy loam	SC-SM, SM, SP, SP-SM	A-1, A-2, A-3	0	0	75-100	65-100	35-95	0-35	10-15	NP-5
WeC3:												
Westphalia------	0-10	Very fine sandy loam	CL, ML, SC, SM	A-4, A-6	0	0	100	95-100	75-95	45-65	26-34	3-11
	10-28	Fine sandy loam, very fine sandy loam, loamy fine sand	CL, ML, SC, SM	A-4, A-6	0	0	100	95-100	75-100	45-80	15-38	NP-16
	28-72	Fine sand, loamy fine sand	CL, ML, SC, SM	A-2, A-4, A-6	0	0	100	95-100	70-100	30-55	15-35	NP-14
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
	16-30	Sand, 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
	30-72	Stratified sand to sandy loam	SC-SM, SM, SP, SP-SM	A-1, A-2, A-3	0	0	75-100	65-100	35-95	0-35	10-15	NP-5
WeD3:												
Westphalia------	0-10	Very fine sandy loam	CL, ML, SC, SM	A-4, A-6	0	0	100	95-100	75-95	45-65	26-34	3-11
	10-28	Fine sandy loam, very fine sandy loam, loamy fine sand	CL, ML, SC, SM	A-4, A-6	0	0	100	95-100	75-100	45-80	15-38	NP-16
	28-72	Fine sand, loamy fine sand	CL, ML, SC, SM	A-2, A-4, A-6	0	0	100	95-100	70-100	30-55	15-35	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 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
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
	16-30	Sand, 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
	30-72	Stratified sand to sandy loam	SP-SM, SC-SM, SM, SP	A-1, A-2, A-3	0	0	75-100	65-100	35-95	0-35	10-15	NP-5
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-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	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
	29-60	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
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-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
Wu:												
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
	29-60	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

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	
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
ZZ900:												
Paved Areas-----	0-6	Variable			---	---	---	---	---	---	0-14	---