District of Columbia
Table H.--Engineering Index Properties

Print date: 09/09/2002

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

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	
AsC:												
Ashe----------	0-6	Loam	ML, SC-SM, SM	A-4	---	0-10	90-100	85-100	65-95	40-55	25-35	NP-7
	6-23	Loam, sandy loam, fine sandy loam	SC-SM, SM	A-4	---	5-30	85-100	80-95	60-95	35-49	25-35	NP-7
	23-60	Gravelly sandy loam, cobbly sandy loam, sandy loam	SM	A-2, A-4	---	5-30	75-95	65-95	55-95	30-49	---	NP
	60-64	Unweathered bedrock			---	---	---	---	---	---	---	---
AsD:												
Ashe----------	0-6	Loam	SM, SC-SM, ML	A-4	---	0-10	90-100	85-100	65-95	40-55	25-35	NP-7
	6-23	Loam, sandy loam, fine sandy loam	SM, SC-SM	A-4	---	5-30	85-100	80-95	60-95	35-49	25-35	NP-7
	23-60	Gravelly sandy loam, cobbly sandy loam, sandy loam	SM	A-2, A-4	---	5-30	75-95	65-95	55-95	30-49	---	NP
	60-64	Unweathered bedrock			---	---	---	---	---	---	---	---
BdB:												
Beltsville------	0-16	Silt loam	CL-ML, ML	A-4	0	0	85-100	80-100	70-100	50-90	22-26	3-7
	16-21	Silty clay loam, silt loam	CL	A-4, A-6	0	0	85-100	80-100	70-100	55-95	29-32	9-12
	21-45	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
	45-60	Gravelly sandy loam, sandy loam, clay loam	SM, CL, GM, ML	A-1-b, A-2, A-4, A-6	0	0	60-100	50-100	30-100	15-90	18-34	3-16

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
BeB:												
Beltsville------	0-16	Silt loam	ML, CL-ML	A-4	0	0	85-100	80-100	70-100	50-90	22-26	3-7
	16-21	Silty clay loam, silt loam	CL	A-4, A-6	0	0	85-100	80-100	70-100	55-95	29-32	9-12
	21-45	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
	45-60	Gravelly sandy loam, sandy loam, clay loam	CL, SM, ML, GM	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	---
Bg:												
Bibb----------	0-14	Sandy loam	SM, SC-SM, CL-ML, ML	A-2, A-4	0	0-5	95-100	90-100	60-90	30-60	15-25	NP-7
	14-60	Gravelly sandy loam, loam, silt loam	SC-SM, CL-ML, ML, SM	A-2, A-4	0	0-10	60-100	50-100	40-100	30-90	15-30	NP-7
BnB:												
Bourne----------	0-11	Fine sandy loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0	0	80-100	75-100	45-85	20-55	15-25	NP-6
	11-18	Sandy clay loam, clay loam, loam	CL, SC	A-2, A-6, A-7	0	0	80-100	75-100	60-95	30-80	30-45	10-25
	18-28	Loam, sandy clay loam, fine sandy loam	SC, SC-SM, CL	A-2, A-4, A-6	0	0	80-100	75-100	50-95	30-80	25-40	7-20
	28-60	Variable			---	---	---	---	---	---	---	---
BnC:												
Bourne----------	0-11	Fine sandy loam	ML, CL-ML, SC-SM, SM	A-2, A-4	0	0	80-100	75-100	45-85	20-55	15-25	NP-6
	11-18	Sandy clay loam, clay loam, loam	SC, CL	A-2, A-6, A-7	0	0	80-100	75-100	60-95	30-80	30-45	10-25
	18-28	Loam, sandy clay loam, fine sandy loam	SC-SM, CL, SC	A-2, A-4, A-6	0	0	80-100	75-100	50-95	30-80	25-40	7-20
	28-60	Variable			---	---	---	---	---	---	---	---

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
BpB:												
Bourne----------	0-11	Fine sandy loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0	0	80-100	75-100	45-85	20-55	15-25	NP-6
	11-18	Sandy clay loam, clay loam, loam	CL, SC	A-2, A-6, A-7	0	0	80-100	75-100	60-95	30-80	30-45	10-25
	18-28	Loam, sandy clay loam, fine sandy loam	SC-SM, CL, SC	A-2, A-4, A-6	0	0	80-100	75-100	50-95	30-80	25-40	7-20
	28-60	Variable			---	---	---	---	---	---	---	---
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
BrC:												
Brandywine------	0-22	Gravelly loam	SC-SM, SM, GM, ML	A-2, A-4, A-6	---	0-25	55-90	45-75	40-70	30-55	21-39	2-11
	22-60	Very gravelly coarse sand, very gravelly loamy sand, gravelly loamy sand	SP, GM, GW	A-1	---	0-65	20-55	10-45	5-35	2-15	0-14	NP
BrD:												
Brandywine------	0-22	Gravelly loam	GM, ML, SC-SM, SM	A-2, A-4, A-6	---	0-25	55-90	45-75	40-70	30-55	21-39	2-11
	22-60	Very gravelly coarse sand, very gravelly loamy sand, gravelly loamy sand	SP, GW, GM	A-1	---	0-65	20-55	10-45	5-35	2-15	0-14	NP
BtB:												
Brandywine------	0-22	Gravelly loam	GM, ML, SC-SM, SM	A-2, A-4, A-6	---	0-25	55-90	45-75	40-70	30-55	21-39	2-11
	22-60	Very gravelly coarse sand, very gravelly loamy sand, gravelly loamy sand	GM, GW, SP	A-1	---	0-65	20-55	10-45	5-35	2-15	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	Plasticity index
	In				Pct	Pct					Pct	
BtC:												
Brandywine------	0-22	Gravelly loam	SM, GM, ML, SC-SM	A-2, A-4, A-6	---	0-25	55-90	45-75	40-70	30-55	21-39	2-11
	22-60	Very gravelly coarse sand, very gravelly loamy sand, gravelly loamy sand	GW, SP, GM	A-1	---	0-65	20-55	10-45	5-35	2-15	0-14	NP
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
BtD:												
Brandywine------	0-22	Gravelly loam	SM, GM, ML, SC-SM	A-2, A-4, A-6	---	0-25	55-90	45-75	40-70	30-55	21-39	2-11
	22-60	Very gravelly coarse sand, very gravelly loamy sand, gravelly loamy sand	GW, SP, GM	A-1	---	0-65	20-55	10-45	5-35	2-15	0-14	NP
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
CcB:												
Chillum---------	0-12	Silt loam	CL, CL-ML, ML	A-4	0	0	100	100	85-100	60-90	20-30	2-10
	12-28	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
	28-60	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
CcC:												
Chillum---------	0-12	Silt loam	CL, CL-ML, ML	A-4	0	0	100	100	85-100	60-90	20-30	2-10
	12-28	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
	28-60	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	Plas-ticity index
	In				Pct	Pct					Pct	
CcD:												
Chillum---------	0-12	Silt loam	CL, CL-ML, ML	A-4	0	0	100	100	85-100	60-90	20-30	2-10
	12-28	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
	28-60	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
CdB:												
Chillum---------	0-12	Silt loam	CL, CL-ML, ML	A-4	0	0	100	100	85-100	60-90	20-30	2-10
	12-28	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
	28-60	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	---
CdC:												
Chillum---------	0-12	Silt loam	CL, CL-ML, ML	A-4	0	0	100	100	85-100	60-90	20-30	2-10
	12-28	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
	28-60	Very gravelly sandy loam, gravelly sandy loam	SP-SM, GM, GP-GM, 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	---
CdD:												
Chillum---------	0-12	Silt loam	CL, ML, CL-ML	A-4	0	0	100	100	85-100	60-90	20-30	2-10
	12-28	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
	28-60	Very gravelly sandy loam, gravelly sandy loam	SP-SM, GM, GP-GM, 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	
CeB:												
Christiana------	0-10	Silt loam	SC, CL-ML, CL	A-2-4, A-4	0	0	90-100	80-100	55-100	30-90	22-30	5-9
	10-75	Clay, silty clay, clay loam	CL, CH	A-7	0	0	90-100	80-100	70-100	60-95	40-59	17-31
CeC:												
Christiana------	0-10	Silt loam	CL-ML, SC, CL	A-2-4, A-4	0	0	90-100	80-100	55-100	30-90	22-30	5-9
	10-75	Clay, silty clay, clay loam	CL, CH	A-7	0	0	90-100	80-100	70-100	60-95	40-59	17-31
CeD:												
Christiana------	0-10	Silt loam	CL-ML, SC, CL	A-2-4, A-4	0	0	90-100	80-100	55-100	30-90	22-30	5-9
	10-75	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------	0-10	Silt loam	CL, SC, CL-ML	A-2-4, A-4	0	0	90-100	80-100	55-100	30-90	22-30	5-9
	10-75	Clay, silty clay, clay loam	CL, CH	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------	0-10	Silt loam	CL-ML, CL, SC	A-2-4, A-4	0	0	90-100	80-100	55-100	30-90	22-30	5-9
	10-75	Clay, silty clay, clay loam	CL, CH	A-7	0	0	90-100	80-100	70-100	60-95	40-59	17-31
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
CfD:												
Christiana------	0-10	Silt loam	CL-ML, SC, CL	A-2-4, A-4	0	0	90-100	80-100	55-100	30-90	22-30	5-9
	10-75	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	
Ck:												
Codorus---------	0-17	Silt loam	CL, CL-ML, ML	A-4, A-6	0	0	80-100	70-100	65-100	55-95	22-35	2-12
	17-50	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
	50-60	Stratified gravelly sand to silt	SM, ML, GM	A-1, A-2, A-4	0	0	25-100	20-100	20-85	15-65	15-35	NP-7
Cn:												
Codorus---------	0-17	Silt loam	CL-ML, CL, ML	A-4, A-6	0	0	80-100	70-100	65-100	55-95	22-35	2-12
	17-50	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
	50-60	Stratified gravelly sand to silt	SM, ML, GM	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	---
CwB:												
Croom----------	0-21	Very gravelly sandy loam	GM	A-1	0	0	40-80	30-55	20-40	10-20	8-15	NP-4
	21-42	Very gravelly sandy clay loam, very gravelly sandy loam, very gravelly loam	GM, GC	A-1, A-2-4, A-2-6	0	0	40-80	30-55	20-50	10-30	8-36	2-16
	42-72	Very gravelly loamy sand, very gravelly sandy loam, very gravelly sandy clay loam	GP, GW, GM, GC	A-1, A-2-4, A-2-6	0	0	40-80	30-55	15-50	2-30	15-36	NP-16
	72-76	Very gravelly sand, very gravelly sandy loam, very gravelly loamy sand	GW, GM, SM, SP	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	Plasticity index
	In				Pct	Pct					Pct	
CwC:												
Croom----------	0-21	Very gravelly sandy loam	GM	A-1	0	0	40-80	30-55	20-40	10-20	8-15	NP-4
	21-42	Very gravelly sandy clay loam, very gravelly sandy loam, very gravelly loam	GC, GM	A-1, A-2-4, A-2-6	0	0	40-80	30-55	20-50	10-30	8-36	2-16
	42-72	Very gravelly loamy sand, very gravelly sandy loam, very gravelly sandy clay loam	GW, GP, GM, GC	A-1, A-2-4, A-2-6	0	0	40-80	30-55	15-50	2-30	15-36	NP-16
	72-76	Very gravelly sand, very gravelly sandy loam, very gravelly loamy sand	GW, GM, SM, SP	A-1, A-2	0	0	40-80	30-55	15-40	2-20	15-30	NP-12
CwD:												
Croom----------	0-21	Very gravelly sandy loam	GM	A-1	0	0	40-80	30-55	20-40	10-20	8-15	NP-4
	21-42	Very gravelly sandy clay loam, very gravelly sandy loam, very gravelly loam	GM, GC	A-1, A-2-4, A-2-6	0	0	40-80	30-55	20-50	10-30	8-36	2-16
	42-72	Very gravelly loamy sand, very gravelly sandy loam, very gravelly sandy clay loam	GP, GC, GM, GW	A-1, A-2-4, A-2-6	0	0	40-80	30-55	15-50	2-30	15-36	NP-16
	72-76	Very gravelly sand, very gravelly sandy loam, very gravelly loamy sand	GM, GW, SM, SP	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	Plasticity index
	In				Pct	Pct					Pct	
CxB:												
Croom----------	0-21	Very gravelly sandy loam	GM	A-1	0	0	40-80	30-55	20-40	10-20	8-15	NP-4
	21-42	Very gravelly sandy clay loam, very gravelly sandy loam, very gravelly loam	GM, GC	A-1, A-2-4, A-2-6	0	0	40-80	30-55	20-50	10-30	8-36	2-16
	42-72	Very gravelly loamy sand, very gravelly sandy loam, very gravelly sandy clay loam	GP, GW, GM, GC	A-1, A-2-4, A-2-6	0	0	40-80	30-55	15-50	2-30	15-36	NP-16
	72-76	Very gravelly sand, very gravelly sandy loam, very gravelly loamy sand	SP, GM, SM, GW	A-1, A-2	0	0	40-80	30-55	15-40	2-20	15-30	NP-12
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
CxC:												
Croom----------	0-21	Very gravelly sandy loam	GM	A-1	0	0	40-80	30-55	20-40	10-20	8-15	NP-4
	21-42	Very gravelly sandy clay loam, very gravelly sandy loam, very gravelly loam	GM, GC	A-1, A-2-4, A-2-6	0	0	40-80	30-55	20-50	10-30	8-36	2-16
	42-72	Very gravelly loamy sand, very gravelly sandy loam, very gravelly sandy clay loam	GW, GP, GM, GC	A-1, A-2-4, A-2-6	0	0	40-80	30-55	15-50	2-30	15-36	NP-16
	72-76	Very gravelly sand, very gravelly sandy loam, very gravelly loamy sand	GM, GW, SM, SP	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	Plasticity index
	In				Pct	Pct					Pct	
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
CxD:												
Croom----------	0-21	Very gravelly sandy loam	GM	A-1	0	0	40-80	30-55	20-40	10-20	8-15	NP-4
	21-42	Very gravelly sandy clay loam, very gravelly sandy loam, very gravelly loam	GC, GM	A-1, A-2-4, A-2-6	0	0	40-80	30-55	20-50	10-30	8-36	2-16
	42-72	Very gravelly loamy sand, very gravelly sandy loam, very gravelly sandy clay loam	GC, GW, GM, GP	A-1, A-2-4, A-2-6	0	0	40-80	30-55	15-50	2-30	15-36	NP-16
	72-76	Very gravelly sand, very gravelly sandy loam, very gravelly loamy sand	GW, SP, GM, SM	A-1, A-2	0	0	40-80	30-55	15-40	2-20	15-30	NP-12
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
Dn:												
Dunning---------	0-16	Silt loam	CL-ML, CL	A-4, A-6	0	0	100	95-100	90-100	85-100	25-35	4-11
	16-60	Silty clay, clay, silty clay loam	CH, CL	A-7	---	0-5	90-100	70-100	60-100	60-100	45-70	20-40
Fa:												
Fallsington-----	0-13	Sandy loam	SC-SM, ML, SM, CL-ML	A-2, A-4	0	0	95-100	90-100	65-90	30-60	15-19	NP-5
	13-33	Sandy loam, loam, sandy clay loam	CL, ML, SC, SM	A-6, A-2, A-4	0	0	95-100	90-100	65-85	30-55	15-30	NP-15
	33-60	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	
FB:												
Fluvaquents-----	0-6	Gravelly sandy loam	CL-ML, GM, ML, SM	A-4	0	0-5	75-100	60-100	50-80	35-60	10-20	NP-5
	6-42	Sandy loam, silt loam, gravelly loam	SM, CL-ML, GM, ML	A-4	0	0-10	75-100	60-100	50-90	35-80	10-25	NP-6
	42-60	Silt loam, loam, silty clay loam	ML, CL-ML, CL	A-4, A-6	0	0	95-100	95-100	80-100	50-95	15-40	2-25
	60-80	Stratified sandy loam to gravelly loam	SP-SM, ML, SM	A-2, A-4	0	---	90-100	70-90	50-90	5-60	15-30	2-15
FD:												
Fluvaquents-----	0-6	Sandy loam	CL-ML, SM, SC-SM, ML	A-4	---	0-5	75-100	60-100	50-80	35-60	10-20	NP-5
	6-42	Sandy loam, silt loam, gravelly loam	SM, CL-ML, ML, SC-SM	A-4	---	0-10	75-100	60-100	50-90	35-80	10-25	NP-6
	42-60	Silt loam, loam, silty clay loam	ML, CL-ML, CL	A-4, A-6	0	0	95-100	95-100	80-100	50-95	15-40	2-25
FF:												
Fluvaquents-----	0-6	Sandy loam	SM, ML, CL-ML, GM	A-4	0	0-5	75-100	60-100	50-80	35-60	10-20	NP-5
	6-42	Sandy loam, silt loam, gravelly loam	SM, ML, GM, CL-ML	A-4	0	0-10	75-100	60-100	50-90	35-80	10-25	NP-6
	42-60	Silt loam, loam, silty clay loam	CL, CL-ML, ML	A-4, A-6	0	0	95-100	95-100	80-100	50-95	15-40	2-25
	60-80	Stratified sandy loam to gravelly loam	ML, SM, SP-SM	A-2, A-4	0	---	90-100	70-90	50-90	5-60	15-30	2-15
Udifluvents-----	0-6	Sandy loam	SM, CL-ML, GM, ML	A-4	0	0-5	75-100	60-100	50-80	35-60	10-20	NP-5
	6-42	Sandy loam, silt loam, gravelly loam	CL-ML, GM, ML, SM	A-4	0	0-10	75-100	60-100	50-90	35-80	10-25	NP-6
	42-60	Silt loam, loam, silty clay loam	ML, CL, CL-ML	A-4, A-6	0	0	95-100	95-100	80-100	50-95	15-40	2-25
	60-80	Stratified sandy loam to gravelly loam	SP-SM, ML, SM	A-2, A-4	0	---	90-100	70-90	50-90	5-60	15-30	2-15

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	
FH:												
Fluvaquents-----	0-6	Sandy loam	SM, CL-ML, ML, SC-SM	A-4	---	0-5	75-100	60-100	50-80	35-60	10-20	NP-5
	6-42	Sandy loam, silt loam, gravelly loam	CL-ML, ML, SC-SM, SM	A-4	---	0-10	75-100	60-100	50-90	35-80	10-25	NP-6
	42-60	Silt loam, loam, silty clay loam	ML, CL, CL-ML	A-4, A-6	0	0	95-100	95-100	80-100	50-95	15-40	2-25
Udifluvents-----	0-6	Sandy loam	CL-ML, GM, ML, SM	A-4	0	0-5	75-100	60-100	50-80	35-60	10-20	NP-5
	6-42	Sandy loam, silt loam, gravelly loam	CL-ML, GM, ML, SM	A-4	0	0-10	75-100	60-100	50-90	35-80	10-25	NP-6
	42-60	Silt loam, loam, silty clay loam	ML, CL, CL-ML	A-4, A-6	0	0	95-100	95-100	80-100	50-95	15-40	2-25
	60-80	Stratified sandy loam to gravelly loam	SM, SP-SM, ML	A-2, A-4	0	---	90-100	70-90	50-90	5-60	15-30	2-15
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
GeB:												
Galestown-------	0-60	Loamy sand	SM, SP-SM	A-1, A-2, A-3	0	0	95-100	75-100	45-70	4-20	0-14	NP
	60-64	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	---
GfB:												
Galestown-------	0-60	Loamy sand	SM, SP-SM	A-1, A-2, A-3	0	0	95-100	75-100	45-70	4-20	0-14	NP
	60-64	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
Rumford---------	0-19	Loamy fine sand	SM	A-1, A-2	0	0	90-100	85-100	45-75	15-30	15-20	NP
	19-39	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
	39-60	Stratified gravelly sand to sandy loam	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	
GfC:												
Galestown-------	0-60	Loamy sand	SM, SP-SM	A-1, A-2, A-3	0	0	95-100	75-100	45-70	4-20	0-14	NP
	60-64	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
Rumford---------	0-19	Loamy fine sand	SM	A-1, A-2	0	0	90-100	85-100	45-75	15-30	15-20	NP
	19-39	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
	39-60	Stratified gravelly sand to sandy loam	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
GgB:												
Glenelg---------	0-9	Loam	ML	A-4, A-6	0	0	85-100	80-100	70-100	50-75	32-40	7-12
	9-28	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
	28-60	Loam, sandy loam, channery loam	GM, ML, SM	A-2, A-4	---	0-50	60-100	50-100	40-95	25-75	15-40	NP-6
GgC:												
Glenelg---------	0-9	Loam	ML	A-4, A-6	0	0	85-100	80-100	70-100	50-75	32-40	7-12
	9-28	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
	28-60	Loam, sandy loam, channery loam	GM, ML, SM	A-2, A-4	---	0-50	60-100	50-100	40-95	25-75	15-40	NP-6
GgD:												
Glenelg---------	0-9	Loam	ML	A-4, A-6	0	0	85-100	80-100	70-100	50-75	32-40	7-12
	9-28	Channery silt loam, silty clay loam, loam	SM, GM, ML	A-4, A-6, A-7	---	0-10	60-100	50-100	45-100	35-95	34-46	9-15
	28-60	Loam, sandy loam, channery loam	GM, ML, SM	A-2, A-4	---	0-50	60-100	50-100	40-95	25-75	15-40	NP-6

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: 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	
GhB:												
Glenelg---------	0-9	Loam	ML	A-4, A-6	0	0	85-100	80-100	70-100	50-75	32-40	7-12
	9-28	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
	28-60	Loam, sandy loam, channery loam	SM, GM, ML	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	---
GhC:												
Glenelg---------	0-9	Loam	ML	A-4, A-6	0	0	85-100	80-100	70-100	50-75	32-40	7-12
	9-28	Channery silt loam, silty clay loam, loam	SM, GM, ML	A-4, A-6, A-7	---	0-10	60-100	50-100	45-100	35-95	34-46	9-15
	28-60	Loam, sandy loam, channery loam	GM, ML, SM	A-2, A-4	---	0-50	60-100	50-100	40-95	25-75	15-40	NP-6
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
GhD:												
Glenelg---------	0-9	Loam	ML	A-4, A-6	0	0	85-100	80-100	70-100	50-75	32-40	7-12
	9-28	Channery silt loam, silty clay loam, loam	SM, GM, ML	A-4, A-6, A-7	---	0-10	60-100	50-100	45-100	35-95	34-46	9-15
	28-60	Loam, sandy loam, channery loam	ML, GM, SM	A-2, A-4	---	0-50	60-100	50-100	40-95	25-75	15-40	NP-6
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	
GlB:												
Glenelg Variant-	0-9	Silt loam	ML, SM	A-4	0	0	85-100	85-100	70-95	45-80	25-35	3-10
	9-18	Silt loam, channery loam, channery silty clay loam	CL, CL-ML, GM, SC	A-4, A-6	0	0-10	70-100	60-100	60-95	45-80	25-40	5-13
	18-40	Silt loam, channery loam, silty clay loam	SC, CL, CL-ML, GM	A-4, A-6	0	0-10	65-100	60-100	55-95	45-80	25-40	5-13
	40-62	Channery fine sandy loam, channery loam, very channery sandy loam	ML, CL-ML, GM, SM	A-1, A-2, A-4	0	0-20	45-90	20-75	10-75	5-65	25-35	5-10
GmB:												
Glenelg Variant-	0-9	Silt loam	ML, SM	A-4	0	0	85-100	85-100	70-95	45-80	25-35	3-10
	9-18	Silt loam, channery loam, channery silty clay loam	CL, CL-ML, GM, SC	A-4, A-6	0	0-10	70-100	60-100	60-95	45-80	25-40	5-13
	18-40	Silt loam, channery loam, silty clay loam	CL, CL-ML, GM, SC	A-4, A-6	0	0-10	65-100	60-100	55-95	45-80	25-40	5-13
	40-62	Channery fine sandy loam, channery loam, very channery sandy loam	CL-ML, GM, ML, SM	A-1, A-2, A-4	0	0-20	45-90	20-75	10-75	5-65	25-35	5-10
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
Ik:												
Iuka----------	0-21	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
	21-60	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
Ip:												
Iuka----------	0-21	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
	21-60	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	
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
JtB:												
Joppa----------	0-7	Gravelly sandy loam	ML, SM, SP-SM	A-1, A-2, A-4	0	0	60-80	50-75	25-70	10-55	15-35	NP
	7-27	Very gravelly sandy loam, gravelly loam	GM, GP-GM, SM	A-1, A-2, A-4	0	0	40-80	30-75	20-70	10-55	15-30	NP
	27-60	Very gravelly sand, gravelly loamy sand, gravelly sandy loam	GM, GP, GW, SP	A-1, A-2-4, A-3	---	0-10	35-75	30-75	15-55	2-30	15-20	NP
JtC:												
Joppa----------	0-7	Gravelly sandy loam	ML, SM, SP-SM	A-1, A-2, A-4	0	0	60-80	50-75	25-70	10-55	15-35	NP
	7-27	Very gravelly sandy loam, gravelly loam	GM, GP-GM, SM	A-1, A-2, A-4	0	0	40-80	30-75	20-70	10-55	15-30	NP
	27-60	Very gravelly sand, gravelly loamy sand, gravelly sandy loam	GM, GP, GW, SP	A-1, A-2-4, A-3	---	0-10	35-75	30-75	15-55	2-30	15-20	NP
JtD:												
Joppa----------	0-7	Gravelly sandy loam	SP-SM, SM, ML	A-1, A-2, A-4	0	0	60-80	50-75	25-70	10-55	15-35	NP
	7-27	Very gravelly sandy loam, gravelly loam	GP-GM, GM, SM	A-1, A-2, A-4	0	0	40-80	30-75	20-70	10-55	15-30	NP
	27-60	Very gravelly sand, gravelly loamy sand, gravelly sandy loam	GM, GP, GW, SP	A-1, A-2-4, A-3	---	0-10	35-75	30-75	15-55	2-30	15-20	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	
JuB:												
Joppa----------	0-7	Gravelly sandy loam	SP-SM, ML, SM	A-1, A-2, A-4	0	0	60-80	50-75	25-70	10-55	15-35	NP
	7-27	Very gravelly sandy loam, gravelly loam	SM, GM, GP-GM	A-1, A-2, A-4	0	0	40-80	30-75	20-70	10-55	15-30	NP
	27-60	Very gravelly sand, gravelly loamy sand, gravelly sandy loam	GP, GM, GW, SP	A-1, A-2-4, A-3	---	0-10	35-75	30-75	15-55	2-30	15-20	NP
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
JuC:												
Joppa----------	0-7	Gravelly sandy loam	ML, SM, SP-SM	A-1, A-2, A-4	0	0	60-80	50-75	25-70	10-55	15-35	NP
	7-27	Very gravelly sandy loam, gravelly loam	SM, GM, GP-GM	A-1, A-2, A-4	0	0	40-80	30-75	20-70	10-55	15-30	NP
	27-60	Very gravelly sand, gravelly loamy sand, gravelly sandy loam	GP, GM, SP, GW	A-1, A-2-4, A-3	---	0-10	35-75	30-75	15-55	2-30	15-20	NP
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
JuD:												
Joppa----------	0-7	Gravelly sandy loam	ML, SM, SP-SM	A-1, A-2, A-4	0	0	60-80	50-75	25-70	10-55	15-35	NP
	7-27	Very gravelly sandy loam, gravelly loam	SM, GM, GP-GM	A-1, A-2, A-4	0	0	40-80	30-75	20-70	10-55	15-30	NP
	27-60	Very gravelly sand, gravelly loamy sand, gravelly sandy loam	SP, GM, GP, GW	A-1, A-2-4, A-3	---	0-10	35-75	30-75	15-55	2-30	15-20	NP
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
KeB:												
Keyport---------	0-12	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
	12-60	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	
KeC:												
Keyport---------	0-12	Fine sandy loam	SM, SC, SC-SM	A-2, A-4	0	0	95-100	95-100	60-85	30-50	15-30	NP-8
	12-60	Silty clay loam, clay loam, clay	MH, ML, CL, CH	A-6, A-7	0	0	95-100	95-100	85-100	70-95	35-55	10-30
KmB:												
Keyport---------	0-12	Fine sandy loam	SC, SM, SC-SM	A-2, A-4	0	0	95-100	95-100	60-85	30-50	15-30	NP-8
	12-60	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	---
KmC:												
Keyport---------	0-12	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
	12-60	Silty clay loam, clay loam, clay	MH, CH, CL, ML	A-6, A-7	0	0	95-100	95-100	85-100	70-95	35-55	10-30
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
Ld:												
Lindside--------	0-6	Loam	CL, CL-ML, ML	A-4, A-6	0	0	100	95-100	80-100	55-90	20-35	2-15
	6-48	Silty clay loam, silt loam, very fine sandy loam	CL, CL-ML	A-4, A-6	0	0	100	95-100	90-100	70-95	25-40	4-18
	48-60	Stratified gravelly sandy loam to silty clay loam	SC, CL	A-2, A-4, A-6	0	0	60-100	55-100	45-100	30-95	20-40	4-18
Lp:												
Lindside--------	0-29	Silt loam	ML, CL, CL-ML	A-4, A-6	0	0	100	95-100	80-100	55-90	20-35	3-15
	29-44	Silt loam, loam, silty clay loam	CL	A-4, A-6	0	0	100	95-100	90-100	70-95	25-40	4-18
	44-48	Unweathered bedrock			---	---	---	---	---	---	---	---

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
MbC:												
Manor----------	0-8	Loam	ML	A-4, A-6	0	0	85-100	80-100	70-100	50-90	32-40	6-12
	8-23	Loam, silt loam, channery loam	SM, GM, ML	A-2-4, A-2-6, A-4, A-6	---	0-10	65-100	50-100	40-100	30-90	26-40	4-12
	23-60	Loam, sandy loam, channery sandy loam	SC-SM, CL-ML, ML, SM	A-1, A-2, A-4, A-6	---	0-5	65-100	50-100	30-95	15-75	20-40	2-12
MbD:												
Manor----------	0-8	Loam	ML	A-4, A-6	0	0	85-100	80-100	70-100	50-90	32-40	6-12
	8-23	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
	23-60	Loam, sandy loam, channery sandy loam	SM, CL-ML, ML, SC-SM	A-1, A-2, A-4, A-6	---	0-5	65-100	50-100	30-95	15-75	20-40	2-12
McC:												
Manor----------	0-8	Channery loam	SM, GM, ML	A-2-4, A-2-6, A-4, A-6	---	0-10	65-100	50-75	40-75	30-70	32-40	6-12
	8-23	Loam, silt loam, channery loam	ML, GM, 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
	23-60	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
MdB:												
Manor----------	0-8	Loam	ML	A-4, A-6	0	0	85-100	80-100	70-100	50-90	32-40	6-12
	8-23	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
	23-60	Loam, sandy loam, channery sandy loam	ML, CL-ML, SC-SM, SM	A-1, A-2, A-4, A-6	---	0-5	65-100	50-100	30-95	15-75	20-40	2-12
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
MdC:												
Manor----------	0-8	Loam	ML	A-4, A-6	0	0	85-100	80-100	70-100	50-90	32-40	6-12
	8-23	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
	23-60	Loam, sandy loam, channery sandy loam	ML, SC-SM, SM, CL-ML	A-1, A-2, A-4, A-6	---	0-5	65-100	50-100	30-95	15-75	20-40	2-12

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	---
MdD:												
Manor----------	0-8	Loam	ML	A-4, A-6	0	0	85-100	80-100	70-100	50-90	32-40	6-12
	8-23	Loam, silt loam, channery loam	ML, GM, 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
	23-60	Loam, sandy loam, channery sandy loam	SM, CL-ML, ML, SC-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	---
MgB:												
Matapeake-------	0-10	Silt loam	CL-ML, CL, ML	A-4	0	0	100	100	80-100	80-100	20-33	3-9
	10-38	Silt loam, silty clay loam, loam	CL	A-6	0	0	100	100	80-100	80-100	27-45	10-22
	38-60	Sandy loam, loamy sand, sand	SM	A-2, A-3, A-4	0	0	95-100	90-100	55-70	5-40	15-19	NP-3
MgC:												
Matapeake-------	0-10	Silt loam	CL, CL-ML, ML	A-4	0	0	100	100	80-100	80-100	20-33	3-9
	10-38	Silt loam, silty clay loam, loam	CL	A-6	0	0	100	100	80-100	80-100	27-45	10-22
	38-60	Sandy loam, loamy sand, sand	SM	A-2, A-3, A-4	0	0	95-100	90-100	55-70	5-40	15-19	NP-3
MhB:												
Matapeake-------	0-10	Silt loam	CL, CL-ML, ML	A-4	0	0	100	100	80-100	80-100	20-33	3-9
	10-38	Silt loam, silty clay loam, loam	CL	A-6	0	0	100	100	80-100	80-100	27-45	10-22
	38-60	Sandy loam, loamy sand, sand	SM	A-2, A-3, A-4	0	0	95-100	90-100	55-70	5-40	15-19	NP-3
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	
Mp:												
Melvin----------	0-9	Silt loam	CL-ML, ML	A-4	0	0	95-100	90-100	80-100	80-95	25-35	4-10
	9-30	Silt loam, silty clay loam	CL-ML, CL	A-4, A-6	0	0	95-100	90-100	80-100	80-98	25-40	5-20
	30-62	Silt loam, silty clay loam, loam	CL-ML, CL	A-4, A-6	0	0	85-100	80-100	70-100	60-98	25-40	5-20
MvB:												
Muirkirk Variant	0-11	Loamy sand	SM, SP-SM	A-2, A-3, A-4	0	0	100	85-100	50-85	5-45	---	NP
	11-31	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
	31-60	Clay, silty clay	CH, CL	A-6, A-7	0	0	100	100	100	90-100	40-59	17-31
MvC:												
Muirkirk Variant	0-11	Loamy sand	SM, SP-SM	A-2, A-3, A-4	0	0	100	85-100	50-85	5-45	---	NP
	11-31	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
	31-60	Clay, silty clay	CL, CH	A-6, A-7	0	0	100	100	100	90-100	40-59	17-31
MvD:												
Muirkirk Variant	0-11	Loamy sand	SM, SP-SM	A-2, A-3, A-4	0	0	100	85-100	50-85	5-45	---	NP
	11-31	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
	31-60	Clay, silty clay	CH, CL	A-6, A-7	0	0	100	100	100	90-100	40-59	17-31
NeC:												
Neshaminy-------	0-18	Silt loam	ML	A-4, A-6	0	0-10	95-100	90-100	80-100	65-85	0-14	---
	18-40	Silt loam, gravelly silty clay loam, gravelly sandy clay loam	GM, MH, ML, SM	A-2, A-4, A-6, A-7	0-1	0-40	60-100	55-100	45-100	30-75	25-55	NP-22
	40-60	Weathered bedrock			---	---	---	---	---	---	---	---

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
NeD:												
Neshaminy-------	0-18	Silt loam	ML	A-4, A-6	0	0-10	95-100	90-100	80-100	65-85	0-14	---
	18-40	Silt loam, gravelly silty clay loam, gravelly sandy clay loam	GM, MH, ML, SM	A-2, A-4, A-6, A-7	0-1	0-40	60-100	55-100	45-100	30-75	25-55	NP-22
	40-60	Weathered bedrock			---	---	---	---	---	---	---	---
NuC:												
Neshaminy-------	0-18	Silt loam	ML	A-4, A-6	0	0-10	95-100	90-100	80-100	65-85	0-14	---
	18-40	Silt loam, gravelly silty clay loam, gravelly sandy clay loam	GM, MH, ML, SM	A-2, A-4, A-6, A-7	0-1	0-40	60-100	55-100	45-100	30-75	25-55	NP-22
	40-60	Weathered bedrock			---	---	---	---	---	---	---	---
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
NuD:												
Neshaminy-------	0-18	Silt loam	ML	A-4, A-6	0	0-10	95-100	90-100	80-100	65-85	0-14	---
	18-40	Silt loam, gravelly silty clay loam, gravelly sandy clay loam	GM, MH, ML, SM	A-2, A-4, A-6, A-7	0-1	0-40	60-100	55-100	45-100	30-75	25-55	NP-22
	40-60	Weathered bedrock			---	---	---	---	---	---	---	---
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
SaB:												
Sassafras-------	0-20	Sandy loam	SC, SC-SM, SM	A-2, A-4	0	0	85-100	80-100	50-85	25-55	12-32	NP-10
	20-31	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
	31-60	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	
SaC:												
Sassafras-------	0-20	Sandy loam	SM, SC-SM, SC	A-2, A-4	0	0	85-100	80-100	50-85	25-55	12-32	NP-10
	20-31	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
	31-60	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
ScB:												
Sassafras-------	0-20	Gravelly sandy loam	CL, ML, SM	A-2, A-4, A-1	0-1	0-10	60-85	50-75	30-70	15-55	15-32	NP-10
	20-31	Loam, sandy clay loam, sandy loam	SC-SM, CL	A-2, A-4, A-6	0	0	85-100	85-100	50-95	25-75	20-33	5-15
	31-60	Gravelly sandy loam, loamy sand, sand	SC, SP-SM, SM	A-1, A-2, A-4	0	0	70-100	50-100	30-90	5-50	15-26	NP-8
ScC:												
Sassafras-------	0-20	Gravelly sandy loam	ML, SM, CL	A-1, A-2, A-4	0-1	0-10	60-85	50-75	30-70	15-55	15-32	NP-10
	20-31	Loam, sandy clay loam, sandy loam	CL, SC-SM	A-2, A-4, A-6	0	0	85-100	85-100	50-95	25-75	20-33	5-15
	31-60	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
ScD:												
Sassafras-------	0-20	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
	20-31	Loam, sandy clay loam, sandy loam	SC-SM, CL	A-2, A-4, A-6	0	0	85-100	85-100	50-95	25-75	20-33	5-15
	31-60	Gravelly sandy loam, loamy sand, sand	SM, SP-SM, SC	A-1, A-2, A-4	0	0	70-100	50-100	30-90	5-50	15-26	NP-8
SgB:												
Sassafras-------	0-20	Sandy loam	SC, SC-SM, SM	A-2, A-4	0	0	85-100	80-100	50-85	25-55	12-32	NP-10
	20-31	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
	31-60	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	Plas-ticity index
	In				Pct	Pct					Pct	
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
SgC:												
Sassafras-------	0-20	Sandy loam	SC-SM, SM, SC	A-2, A-4	0	0	85-100	80-100	50-85	25-55	12-32	NP-10
	20-31	Loam, sandy clay loam, sandy loam	SC-SM, SC, CL-ML, CL	A-2, A-4, A-6	0	0	85-100	80-100	50-95	25-75	20-33	5-15
	31-60	Stratified sand to gravelly sandy loam	SP-SM, SM, SC-SM, SC	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	---
SgD:												
Sassafras-------	0-20	Sandy loam	SM, SC, SC-SM	A-2, A-4	0	0	85-100	80-100	50-85	25-55	12-32	NP-10
	20-31	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
	31-60	Stratified sand to gravelly sandy loam	SP-SM, SC, SC-SM, SM	A-1, A-2, A-3, A-4	0	0	70-100	50-100	30-90	5-55	15-26	NP-8
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
SmB:												
Sunnyside-------	0-5	Fine sandy loam	SM, SC	A-2, A-4	0	0	95-100	80-100	55-85	30-55	15-22	NP-12
	5-28	Sandy clay loam, fine sandy loam, loam	SC, SM, CL	A-2, A-4, A-6	0	0	95-100	80-100	55-95	30-75	15-40	NP-24
	28-60	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
SmC:												
Sunnyside-------	0-5	Fine sandy loam	SC, SM	A-2, A-4	0	0	95-100	80-100	55-85	30-55	15-22	NP-12
	5-28	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
	28-60	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

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	
SmD:												
Sunnyside-------	0-5	Fine sandy loam	SC, SM	A-2, A-4	0	0	95-100	80-100	55-85	30-55	15-22	NP-12
	5-28	Sandy clay loam, fine sandy loam, loam	CL, SM, SC	A-2, A-4, A-6	0	0	95-100	80-100	55-95	30-75	15-40	NP-24
	28-60	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
SpB:												
Sunnyside-------	0-5	Fine sandy loam	SC, SM	A-2, A-4	0	0	95-100	80-100	55-85	30-55	15-22	NP-12
	5-28	Sandy clay loam, fine sandy loam, loam	CL, SM, SC	A-2, A-4, A-6	0	0	95-100	80-100	55-95	30-75	15-40	NP-24
	28-60	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
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
SpC:												
Sunnyside-------	0-5	Fine sandy loam	SM, SC	A-2, A-4	0	0	95-100	80-100	55-85	30-55	15-22	NP-12
	5-28	Sandy clay loam, fine sandy loam, loam	SM, CL, SC	A-2, A-4, A-6	0	0	95-100	80-100	55-95	30-75	15-40	NP-24
	28-60	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
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
SpD:												
Sunnyside-------	0-5	Fine sandy loam	SC, SM	A-2, A-4	0	0	95-100	80-100	55-85	30-55	15-22	NP-12
	5-28	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
	28-60	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

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	---
U1:												
Udorthents------	0-6	Variable			---	---	---	---	---	---	0-14	---
U2:												
Udorthents------	0-6	Variable			---	---	---	---	---	---	0-14	---
U3:												
Udorthents------	0-6	Variable			---	---	---	---	---	---	0-14	---
U4:												
Udorthents------	0-6	Variable			---	---	---	---	---	---	0-14	---
U5:												
Udorthents------	0-6	Variable			---	---	---	---	---	---	0-14	---
U6:												
Udorthents------	0-6	Variable			---	---	---	---	---	---	0-14	---
U7:												
Udorthents------	0-6	Variable			---	---	---	---	---	---	0-14	---
U8:												
Udorthents------	0-6	Variable			---	---	---	---	---	---	0-14	---
U9:												
Udorthents------	0-6	Variable			---	---	---	---	---	---	0-14	---
U10:												
Udorthents------	0-6	Variable			---	---	---	---	---	---	0-14	---
U11B:												
Udorthents------	0-6	Variable			---	---	---	---	---	---	0-14	---
U11C:												
Udorthents------	0-6	Variable			---	---	---	---	---	---	0-14	---
U11D:												
Udorthents------	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	
UA:												
Udifluvents-----	0-6	Sandy loam	GM, CL-ML, ML, SM	A-4	0	0-5	75-100	60-100	50-80	35-60	10-20	NP-5
	6-42	Sandy loam, silt loam, gravelly loam	SM, CL-ML, GM, ML	A-4	0	0-10	75-100	60-100	50-90	35-80	10-25	NP-6
	42-60	Silt loam, loam, silty clay loam	CL, CL-ML, ML	A-4, A-6	0	0	95-100	95-100	80-100	50-95	15-40	2-25
	60-80	Stratified sandy loam to gravelly loam	SM, SP-SM, ML	A-2, A-4	0	---	90-100	70-90	50-90	5-60	15-30	2-15
Ub:												
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
UcB:												
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
Beltsville------	0-16	Silt loam	CL-ML, ML	A-4	0	0	85-100	80-100	70-100	50-90	22-26	3-7
	16-21	Silty clay loam, silt loam	CL	A-4, A-6	0	0	85-100	80-100	70-100	55-95	29-32	9-12
	21-45	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
	45-60	Gravelly sandy loam, sandy loam, clay loam	ML, SM, GM, CL	A-1-b, A-2, A-4, A-6	0	0	60-100	50-100	30-100	15-90	18-34	3-16
UdB:												
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
Brandywine------	0-22	Gravelly loam	GM, ML, SC-SM, SM	A-2, A-4, A-6	---	0-25	55-90	45-75	40-70	30-55	21-39	2-11
	22-60	Very gravelly coarse sand, very gravelly loamy sand, gravelly loamy sand	GM, GW, SP	A-1	---	0-65	20-55	10-45	5-35	2-15	0-14	NP
UeB:												
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	
Chillum---------	0-12	Silt loam	CL, CL-ML, ML	A-4	0	0	100	100	85-100	60-90	20-30	2-10
	12-28	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
	28-60	Very gravelly sandy loam, gravelly sandy loam	SM, GM, GP-GM, SP-SM	A-1, A-2	0	0	25-90	15-75	10-50	5-30	0-14	NP
UeC:												
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
Chillum---------	0-12	Silt loam	CL-ML, ML, CL	A-4	0	0	100	100	85-100	60-90	20-30	2-10
	12-28	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
	28-60	Very gravelly sandy loam, gravelly sandy loam	SP-SM, SM, GP-GM, GM	A-1, A-2	0	0	25-90	15-75	10-50	5-30	0-14	NP
UfB:												
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
Christiana------	0-10	Silt loam	CL-ML, CL, SC	A-2-4, A-4	0	0	90-100	80-100	55-100	30-90	22-30	5-9
	10-75	Clay, silty clay, clay loam	CH, CL	A-7	0	0	90-100	80-100	70-100	60-95	40-59	17-31
Christiana------	0-10	Silt loam	CL-ML, SC, CL	A-2-4, A-4	0	0	90-100	80-100	55-100	30-90	22-30	5-9
	10-75	Clay, silty clay, clay loam	CL, CH	A-7	0	0	90-100	80-100	70-100	60-95	40-59	17-31
UfC:												
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
Christiana------	0-10	Silt loam	SC, CL-ML, CL	A-2-4, A-4	0	0	90-100	80-100	55-100	30-90	22-30	5-9
	10-75	Clay, silty clay, clay loam	CL, CH	A-7	0	0	90-100	80-100	70-100	60-95	40-59	17-31
Christiana------	0-10	Silt loam	SC, CL-ML, CL	A-2-4, A-4	0	0	90-100	80-100	55-100	30-90	22-30	5-9
	10-75	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	
UkC:												
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
Croom----------	0-21	Very gravelly sandy loam	GM	A-1	0	0	40-80	30-55	20-40	10-20	8-15	NP-4
	21-42	Very gravelly sandy clay loam, very gravelly sandy loam, very gravelly loam	GC, GM	A-1, A-2-4, A-2-6	0	0	40-80	30-55	20-50	10-30	8-36	2-16
	42-72	Very gravelly loamy sand, very gravelly sandy loam, very gravelly sandy clay loam	GC, GP, GW, GM	A-1, A-2-4, A-2-6	0	0	40-80	30-55	15-50	2-30	15-36	NP-16
	72-76	Very gravelly sand, very gravelly sandy loam, very gravelly loamy sand	SP, SM, GW, GM	A-1, A-2	0	0	40-80	30-55	15-40	2-20	15-30	NP-12
UmB:												
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
Galestown-------	0-60	Loamy sand	SM, SP-SM	A-1, A-2, A-3	0	0	95-100	75-100	45-70	4-20	0-14	NP
	60-64	Sand, loamy sand, gravelly sand	SP-SM, SP	A-1, A-2, A-3	0	0	75-100	55-100	30-75	4-10	0-14	NP
UoC:												
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
Joppa----------	0-7	Gravelly sandy loam	SM, ML, SP-SM	A-1, A-2, A-4	0	0	60-80	50-75	25-70	10-55	15-35	NP
	7-27	Very gravelly sandy loam, gravelly loam	SM, GP-GM, GM	A-1, A-2, A-4	0	0	40-80	30-75	20-70	10-55	15-30	NP
	27-60	Very gravelly sand, gravelly loamy sand, gravelly sandy loam	SP, GM, GP, GW	A-1, A-2-4, A-3	---	0-10	35-75	30-75	15-55	2-30	15-20	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	
UpB:												
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
Keyport---------	0-12	Fine sandy loam	SM, SC-SM, SC	A-2, A-4	0	0	95-100	95-100	60-85	30-50	15-30	NP-8
	12-60	Silty clay loam, clay loam, clay	CL, MH, ML, CH	A-6, A-7	0	0	95-100	95-100	85-100	70-95	35-55	10-30
Keyport---------	0-12	Fine sandy loam	SC-SM, SM, SC	A-2, A-4	0	0	95-100	95-100	60-85	30-50	15-30	NP-8
	12-60	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
UsB:												
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
Manor----------	0-9	Loam	ML	A-4, A-6	0	0	85-100	80-100	70-100	50-90	32-40	6-12
	9-23	Loam, silt loam, channery loam	ML, SM, GM	A-2-4, A-2-6, A-4, A-6	---	0-10	65-100	50-100	40-100	30-90	26-40	4-12
	23-60	Loam, sandy loam, channery sandy loam	SC-SM, SM, ML, CL-ML	A-1, A-2, A-4, A-6	---	0-5	65-100	50-100	30-95	15-75	20-40	2-12
UsC:												
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
Manor----------	0-9	Loam	ML	A-4, A-6	0	0	85-100	80-100	70-100	50-90	32-40	6-12
	9-23	Loam, silt loam, channery loam	SM, ML, GM	A-2-4, A-2-6, A-4, A-6	---	0-10	65-100	50-100	40-100	30-90	26-40	4-12
	23-60	Loam, sandy loam, channery sandy loam	SC-SM, ML, SM, CL-ML	A-1, A-2, A-4, A-6	---	0-5	65-100	50-100	30-95	15-75	20-40	2-12
UxB:												
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
Sassafras-------	0-20	Sandy loam	SC, SC-SM, SM	A-4, A-2	0	0	85-100	80-100	50-85	25-55	12-32	NP-10
	20-31	Loam, sandy clay loam, sandy loam	CL, CL-ML, SC-SM, SC	A-2, A-4, A-6	0	0	85-100	80-100	50-95	25-75	20-33	5-15
	31-60	Stratified sand to gravelly sandy loam	SP-SM, SM, SC-SM, SC	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	
UxC:												
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
Sassafras-------	0-20	Sandy loam	SM, SC, SC-SM	A-2, A-4	0	0	85-100	80-100	50-85	25-55	12-32	NP-10
	20-31	Loam, sandy clay loam, sandy loam	CL, SC-SM, SC, CL-ML	A-2, A-4, A-6	0	0	85-100	80-100	50-95	25-75	20-33	5-15
	31-60	Stratified sand to gravelly sandy loam	SP-SM, SM, SC-SM, SC	A-1, A-2, A-3, A-4	0	0	70-100	50-100	30-90	5-55	15-26	NP-8
UyC:												
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
Sunnyside-------	0-5	Fine sandy loam	SM, SC	A-2, A-4	0	0	95-100	80-100	55-85	30-55	15-22	NP-12
	5-28	Sandy clay loam, fine sandy loam, loam	SM, CL, SC	A-2, A-4, A-6	0	0	95-100	80-100	55-95	30-75	15-40	NP-24
	28-60	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
UzB:												
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
Woodstown-------	0-12	Sandy loam	SM, SC-SM, CL-ML	A-2, A-4	0	0	90-100	80-100	60-95	30-75	15-28	NP-7
	12-40	Sandy clay loam, loam, sandy loam	SM, ML, CL-ML, CL	A-2, A-4, A-6	0	0	90-100	70-100	45-90	25-60	15-32	NP-20
	40-60	Stratified gravelly sand to sandy loam	SP-SM, SM, SC-SM	A-1, A-2, A-2-4, A-3	0	0	80-100	70-95	35-55	5-25	15-26	NP-6
W:												
Water----------	---	---	---	---	---	---	---	---	---	---	---	---

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	
WoB:												
Woodstown-------	0-12	Sandy loam	SM, SC-SM, CL-ML	A-2, A-4	0	0	90-100	80-100	60-95	30-75	15-28	NP-7
	12-40	Sandy clay loam, loam, sandy loam	SM, ML, CL-ML, CL	A-2, A-4, A-6	0	0	90-100	70-100	45-90	25-60	15-32	NP-20
	40-60	Stratified gravelly sand to sandy loam	SM, SC-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
WpB:												
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
Woodstown-------	0-12	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
	12-40	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
	40-60	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