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	
AdB2:												
Aldino----------	0-10	Silt loam	ML	A-4, A-5, A-6, A-7	0	0	100	90-100	80-100	60-100	30-45	5-12
	10-22	Silty clay loam, silt loam	MH, ML	A-7	0	0	100	90-100	80-100	60-95	40-55	10-25
	22-36	Silty clay loam, silt loam	MH, ML	A-7	0	0	80-100	75-100	70-100	50-95	40-55	10-25
	36-60	Gravelly loam, silt loam	ML	A-4, A-5, A-6, A-7	---	0-5	80-100	75-100	65-100	45-90	30-45	5-15
AdC2:												
Aldino----------	0-10	Silt loam	ML	A-4, A-5, A-6, A-7	0	0	100	90-100	80-100	60-100	30-45	5-12
	10-22	Silty clay loam, silt loam	MH, ML	A-7	0	0	100	90-100	80-100	60-95	40-55	10-25
	22-36	Silty clay loam, silt loam	MH, ML	A-7	0	0	80-100	75-100	70-100	50-95	40-55	10-25
	36-60	Gravelly loam, silt loam	ML	A-4, A-5, A-6, A-7	---	0-5	80-100	75-100	65-100	45-90	30-45	5-15
AgB2:												
Aura----------	0-8	Gravelly loam	SC-SM, SM	A-1-b, A-2-4, A-4	0	0	60-100	60-95	35-70	20-40	15-23	NP-7
	8-59	Gravelly sandy loam, sandy clay loam, gravelly sandy clay loam	GC, SC	A-2-4, A-2-6, A-4, A-6	0	0	55-100	50-90	30-80	15-50	23-40	7-18
	59-72	Sand, gravelly sand, sandy clay loam	SC, SC-SM, SM	A-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	
AgC2:												
Aura----------	0-8	Gravelly loam	SC-SM, SM	A-1-b, A-2-4, A-4	0	0	60-100	60-95	35-70	20-40	15-23	NP-7
	8-59	Gravelly sandy loam, sandy clay loam, gravelly sandy clay loam	GC, SC	A-2-4, A-2-6, A-4, A-6	0	0	55-100	50-90	30-80	15-50	23-40	7-18
	59-72	Sand, gravelly sand, sandy clay loam	SC, SC-SM, SM	A-2-4, A-3, A-4, A-6	0	0	70-100	35-90	20-75	5-40	15-38	NP-17
AgE3:												
Aura----------	0-8	Gravelly 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
Ba:												
Baile----------	0-9	Silt loam	MH, ML	A-4, A-6, A-7	---	0-10	85-100	80-100	70-100	50-95	33-67	7-24
	9-32	Silty clay loam, silt loam, clay loam	CL	A-6	0	0	90-100	80-100	70-100	55-95	28-34	11-14
	32-60	Loam, sandy loam, silt loam	CL, ML, SC, SM	A-2, A-4, A-6	0	0	80-100	80-100	50-100	25-90	15-35	NP-11
BeA:												
Beltsville------	0-14	Silt loam	CL-ML, ML	A-4	0	0	85-100	80-100	70-100	50-90	22-26	3-7
	14-25	Silty clay loam, silt loam	CL	A-4, A-6	0	0	85-100	80-100	70-100	55-95	29-32	9-12
	25-50	Silty clay loam, silt loam, loam	CL	A-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	
BeB2:												
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
BeC2:												
Beltsville------	0-14	Silt loam	CL-ML, ML	A-4	0	0	85-100	80-100	70-100	50-90	22-26	3-7
	14-25	Silty clay loam, silt loam	CL	A-4, A-6	0	0	85-100	80-100	70-100	55-95	29-32	9-12
	25-50	Silty clay loam, silt loam, loam	CL	A-4, A-6	0	0	85-100	80-100	70-100	50-95	29-34	9-14
	50-72	Gravelly sandy loam, sandy loam, clay loam	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
BeC3:												
Beltsville------	0-14	Silt loam	CL-ML, ML	A-4	0	0	85-100	80-100	70-100	50-90	22-26	3-7
	14-25	Silty clay loam, silt loam	CL	A-4, A-6	0	0	85-100	80-100	70-100	55-95	29-32	9-12
	25-50	Silty clay loam, silt loam, loam	CL	A-4, A-6	0	0	85-100	80-100	70-100	50-95	29-34	9-14
	50-72	Gravelly sandy loam, sandy loam, clay loam	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	
BeD2:												
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
BrB2:												
Brandywine------	0-8	Loam	CL-ML, ML, SC-SM, SM	A-4, A-6	0	0	85-95	75-85	65-80	45-65	21-39	2-11
	8-12	Gravelly loam, loam, sandy loam	CL-ML, GM, ML, SM	A-2, A-4	---	0-25	55-95	45-85	35-80	30-65	15-35	NP-10
	12-25	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
	25-65	Extremely gravelly coarse sand, gravelly coarse sand, very gravelly loamy sand	GM, GW, SP	A-1	---	0-65	20-55	10-45	5-35	2-15	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	
BrC2:												
Brandywine------	0-8	Loam	CL-ML, ML, SC-SM, SM	A-4, A-6	0	0	85-95	75-85	65-80	45-65	21-39	2-11
	8-12	Gravelly loam, loam, sandy loam	CL-ML, GM, ML, SM	A-2, A-4	---	0-25	55-95	45-85	35-80	30-65	15-35	NP-10
	12-25	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
	25-65	Extremely gravelly coarse sand, gravelly coarse sand, very gravelly loamy sand	GM, GW, SP	A-1	---	0-65	20-55	10-45	5-35	2-15	0-14	NP
BrC3:												
Brandywine------	0-8	Loam	CL-ML, ML, SC-SM, SM	A-4, A-6	0	0	85-95	75-85	65-80	45-65	21-39	2-11
	8-12	Gravelly loam, loam, sandy loam	CL-ML, GM, ML, SM	A-2, A-4	---	0-25	55-95	45-85	35-80	30-65	15-35	NP-10
	12-25	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
	25-65	Extremely gravelly coarse sand, gravelly coarse sand, very gravelly loamy sand	GM, GW, SP	A-1	---	0-65	20-55	10-45	5-35	2-15	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	
BrD2:												
Brandywine------	0-8	Loam	CL-ML, ML, SC-SM, SM	A-4, A-6	0	0	85-95	75-85	65-80	45-65	21-39	2-11
	8-12	Gravelly loam, loam, sandy loam	CL-ML, GM, ML, SM	A-2, A-4	---	0-25	55-95	45-85	35-80	30-65	15-35	NP-10
	12-25	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
	25-65	Extremely gravelly coarse sand, gravelly coarse sand, very gravelly loamy sand	GM, GW, SP	A-1	---	0-65	20-55	10-45	5-35	2-15	0-14	NP
BrD3:												
Brandywine------	0-8	Loam	CL-ML, ML, SC-SM, SM	A-4, A-6	0	0	85-95	75-85	65-80	45-65	21-39	2-11
	8-12	Gravelly loam, loam, sandy loam	CL-ML, GM, ML, SM	A-2, A-4	---	0-25	55-95	45-85	35-80	30-65	15-35	NP-10
	12-25	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
	25-65	Extremely gravelly coarse sand, gravelly coarse sand, very gravelly loamy sand	GM, GW, SP	A-1	---	0-65	20-55	10-45	5-35	2-15	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	
BrF:												
Brandywine------	0-8	Loam	CL-ML, ML, SC-SM, SM	A-4, A-6	0	0	85-95	75-85	65-80	45-65	21-39	2-11
	8-12	Gravelly loam, loam, sandy loam	CL-ML, GM, ML, SM	A-2, A-4	---	0-25	55-95	45-85	35-80	30-65	15-35	NP-10
	12-25	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
	25-65	Extremely gravelly coarse sand, gravelly coarse sand, very gravelly loamy sand	GM, GW, SP	A-1	---	0-65	20-55	10-45	5-35	2-15	0-14	NP
BwD:												
Brandywine------	0-10	Very stony loam	GM, ML, SM	A-4, A-6	---	3-15	70-100	60-100	50-95	35-90	32-40	6-12
	10-20	Loam, silt loam, channery loam	GM, ML, SM	A-4, A-6	---	0-10	70-95	60-95	50-95	35-85	26-40	4-12
	20-72	Loam, sandy loam, channery sandy loam	CL-ML, ML, SC-SM, SM	A-1, A-2, A-4, A-6	---	0-5	70-100	60-100	35-95	20-75	20-40	2-12
CgB2:												
Chester---------	0-8	Gravelly silt loam	CL, CL-ML	A-4	0	0-15	80-100	75-100	65-90	55-75	22-27	5-10
	8-42	Silty clay loam, silt loam, clay loam	CL, ML	A-4, A-6, A-7	0	0-10	85-100	80-100	70-100	55-95	30-50	8-17
	42-62	Silt loam, loam, sandy loam	ML, SM	A-2, A-4, A-7	0	0-10	80-100	80-100	60-100	30-90	15-47	4-12

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: 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	
CgC2:												
Chester---------	0-8	Gravelly silt loam	CL, CL-ML	A-4	0	0-15	80-100	75-100	65-90	55-75	22-27	5-10
	8-42	Silty clay loam, silt loam, clay loam	CL, ML	A-4, A-6, A-7	0	0-10	85-100	80-100	70-100	55-95	30-50	8-17
	42-62	Silt loam, loam, sandy loam	ML, SM	A-2, A-4, A-7	0	0-10	80-100	80-100	60-100	30-90	15-47	4-12
ChA:												
Chester---------	0-8	Silt loam	CL, CL-ML	A-4	0	0-10	85-100	80-100	70-100	50-90	22-27	5-10
	8-42	Silty clay loam, silt loam, clay loam	CL, ML	A-4, A-6, A-7	0	0-10	85-100	80-100	70-100	55-95	30-50	8-17
	42-62	Gravelly silt loam, loam, sandy loam	ML, SC, SM	A-2, A-4, A-7	0	0-10	80-100	80-100	60-100	30-90	15-47	4-12
ChB2:												
Chester---------	0-8	Silt loam	CL-ML, CL	A-4	0	0-10	85-100	80-100	70-100	50-90	22-27	5-10
	8-42	Silty clay loam, silt loam, clay loam	CL, ML	A-4, A-6, A-7	0	0-10	85-100	80-100	70-100	55-95	30-50	8-17
	42-62	Silt loam, loam, sandy loam	ML, SC, SM	A-2, A-4, A-7	0	0-10	80-100	80-100	60-100	30-90	15-47	4-12
ChC2:												
Chester---------	0-8	Silt loam	CL-ML, CL	A-4	0	0-10	85-100	80-100	70-100	50-90	22-27	5-10
	8-42	Silty clay loam, silt loam, clay loam	CL, ML	A-4, A-6, A-7	0	0-10	85-100	80-100	70-100	55-95	30-50	8-17
	42-62	Silt loam, loam, sandy loam	ML, SC, SM	A-2, A-4, A-7	0	0-10	80-100	80-100	60-100	30-90	15-47	4-12

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: 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	
ChC3:												
Chester---------	0-8	Silt loam	CL, CL-ML	A-4	0	0-10	85-100	80-100	70-100	50-90	22-27	5-10
	8-42	Silty clay loam, silt loam, clay loam	CL, ML	A-4, A-6, A-7	0	0-10	85-100	80-100	70-100	55-95	30-50	8-17
	42-62	Silt loam, loam, sandy loam	ML, SM	A-2, A-4, A-7	0	0-10	80-100	80-100	60-100	30-90	15-47	4-12
ChD2:												
Chester---------	0-8	Silt loam	CL-ML, CL	A-4	0	0-10	85-100	80-100	70-100	50-90	22-27	5-10
	8-42	Silty clay loam, silt loam, clay loam	CL, ML	A-4, A-6, A-7	0	0-10	85-100	80-100	70-100	55-95	30-50	8-17
	42-62	Silt loam, loam, sandy loam	ML, SC, SM	A-2, A-4, A-7	0	0-10	80-100	80-100	60-100	30-90	15-47	4-12
ClC3:												
Chillum---------	0-8	Very gravelly loam	GM, ML, SM	A-4, A-6	---	0-15	40-85	30-55	26-55	18-55	32-40	7-12
	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
ClD2:												
Chillum---------	0-8	Very gravelly loam	GM, ML, SM	A-4, A-6	---	0-15	40-85	30-55	26-55	18-55	32-40	7-12
	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	Plas-ticity index
	In				Pct	Pct					Pct	
ClE2:												
Chillum---------	0-8	Very gravelly loam	GM, ML, SM	A-4, A-6	---	0-15	40-85	30-55	26-55	18-55	32-40	7-12
	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
CmB2:												
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
CmC2:												
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
CnB2:												
Chillum---------	0-8	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	
Fairfax---------	0-9	Loam	CL, CL-ML, ML	A-4	0	0	95-100	90-100	75-100	55-90	18-30	NP-10
	9-19	Silty clay loam, clay loam	CL	A-6, A-7	0	0	95-100	90-100	80-100	65-95	36-50	12-24
	19-24	Gravelly silty clay loam, gravelly clay loam, gravelly clay	CL	A-6, A-7	0	0	75-85	65-75	60-70	50-65	32-44	12-20
	24-40	Silty clay loam, clay loam, clay	CL	A-6	0	0	100	100	90-100	70-95	32-40	12-20
	40-80	Silt loam, loam, clay loam	CL, CL-ML, ML, SC	A-4	0	0	95-100	90-100	75-100	45-90	18-30	NP-10
CnD3:												
Chillum---------	0-8	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
Fairfax---------	0-9	Loam	CL, CL-ML, ML	A-4	0	0	95-100	90-100	75-100	55-90	18-30	NP-10
	9-19	Silty clay loam, clay loam	CL	A-6, A-7	0	0	95-100	90-100	80-100	65-95	36-50	12-24
	19-24	Gravelly silty clay loam, gravelly clay loam, gravelly clay	CL	A-6, A-7	0	0	75-85	65-75	60-70	50-65	32-44	12-20
	24-40	Silty clay loam, clay loam, clay	CL	A-6	0	0	100	100	90-100	70-95	32-40	12-20
	40-80	Silt loam, loam, clay loam	CL, CL-ML, ML, SC	A-4	0	0	95-100	90-100	75-100	45-90	18-30	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	
Co:												
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
Cs:												
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
CuB:												
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
DeA:												
Delanco---------	0-13	Silt loam	CL, ML, SC, SM	A-4, A-6	0	0	90-100	80-100	55-100	30-90	15-30	NP-15
	13-39	Silty clay loam, clay loam, loam	ML	A-6, A-7	0	0	90-100	80-100	70-100	50-95	35-50	10-20
	39-72	Clay loam, silt loam, gravelly sandy loam	CL, ML, SC, SM	A-2, A-4, A-6	0	0	65-100	50-100	30-100	15-90	15-35	NP-15
DeB2:												
Delanco---------	0-13	Silt loam	CL, ML, SC, SM	A-4, A-6	0	0	90-100	80-100	55-100	30-90	15-30	NP-15
	13-39	Silty clay loam, clay loam, loam	ML	A-6, A-7	0	0	90-100	80-100	70-100	50-95	35-50	10-20
	39-72	Clay loam, silt loam, gravelly sandy loam	CL, ML, SC, SM	A-2, A-4, A-6	0	0	65-100	50-100	30-100	15-90	15-35	NP-15

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: 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	
EkA:												
Elioak----------	0-15	Silt loam	CL, ML, SC, SM	A-2-4, A-4, A-6, A-7	---	0-10	85-100	80-100	55-100	30-90	30-45	5-20
	15-42	Silty clay loam, clay loam, silty clay	CH, CL, MH, ML	A-6, A-7	---	0-5	85-100	80-100	75-100	60-95	35-58	11-26
	42-65	Silt loam, loam, gravelly fine sandy loam	GM, ML, SM	A-1-b, A-2, A-4, A-5	---	0-5	65-100	50-100	35-100	20-90	35-50	NP-10
EkB2:												
Elioak----------	0-15	Silt loam	CL, ML, SC, SM	A-2-4, A-4, A-6, A-7	---	0-10	85-100	80-100	55-100	30-90	30-45	5-20
	15-42	Silty clay loam, clay loam, silty clay	CH, CL, MH, ML	A-6, A-7	---	0-5	85-100	80-100	75-100	60-95	35-58	11-26
	42-65	Silt loam, loam, gravelly fine sandy loam	GM, ML, SM	A-1-b, A-2, A-4, A-5	---	0-5	65-100	50-100	35-100	20-90	35-50	NP-10
EkC2:												
Elioak----------	0-15	Silt loam	CL, ML, SC, SM	A-2-4, A-4, A-6, A-7	---	0-10	85-100	80-100	55-100	30-90	30-45	5-20
	15-42	Silty clay loam, clay loam, silty clay	CH, CL, MH, ML	A-6, A-7	---	0-5	85-100	80-100	75-100	60-95	35-58	11-26
	42-65	Silt loam, loam, gravelly fine sandy loam	GM, ML, SM	A-1-b, A-2, A-4, A-5	---	0-5	65-100	50-100	35-100	20-90	35-50	NP-10
EkD2:												
Elioak----------	0-15	Silt loam	ML, SC, SM, CL	A-2-4, A-4, A-6, A-7	---	0-10	85-100	80-100	55-100	30-90	30-45	5-20
	15-42	Silty clay loam, clay loam, silty clay	CH, CL, MH, ML	A-6, A-7	---	0-5	85-100	80-100	75-100	60-95	35-58	11-26
	42-65	Silt loam, loam, gravelly fine sandy loam	GM, ML, SM	A-1-b, A-2, A-4, A-5	---	0-5	65-100	50-100	35-100	20-90	35-50	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	
ElC3:												
Elioak----------	0-15	Silty clay loam	CL	A-6, A-7	---	0-10	85-100	80-100	75-100	60-90	35-50	12-25
	15-42	Silty clay loam, clay loam, silty clay	CH, CL, MH, ML	A-6, A-7	---	0-5	85-100	80-100	75-100	60-95	35-58	11-26
	42-65	Silt loam, loam, gravelly fine sandy loam	GM, ML, SM	A-1-b, A-2, A-4, A-5	---	0-5	65-100	50-100	35-100	20-90	35-50	NP-10
ElD3:												
Elioak----------	0-15	Silty clay loam	CL	A-6, A-7	---	0-10	85-100	80-100	75-100	60-90	35-50	12-25
	15-42	Silty clay loam, clay loam, silty clay	CH, CL, MH, ML	A-6, A-7	---	0-5	85-100	80-100	75-100	60-95	35-58	11-26
	42-65	Silt loam, loam, gravelly fine sandy loam	GM, ML, SM	A-1-b, A-2, A-4, A-5	---	0-5	65-100	50-100	35-100	20-90	35-50	NP-10
Em:												
Elkton----------	0-10	Silt loam	CL-ML, ML	A-4, A-6	0	0	100	100	90-100	50-95	20-35	NP-11
	10-24	Silty clay loam	CL	A-6	0	0	100	100	90-100	85-95	25-40	10-20
	24-40	Silty clay loam, silty clay	CL	A-6, A-7	0	0	100	100	95-100	85-95	0-50	10-35
	40-65	Very fine sandy loam	CL	A-4	0	0	100	95-100	85-95	45-75	15-30	5-10
Elkton----------	0-10	Silt loam	CL-ML, ML	A-4, A-6	0	0	100	100	90-100	50-95	20-35	NP-11
	10-24	Silty clay loam	CL	A-6	0	0	100	100	90-100	85-95	25-40	10-20
	24-40	Silty clay loam, silty clay	CL	A-6, A-7	0	0	100	100	95-100	85-95	0-50	10-35
	40-65	Very fine sandy loam	CL	A-4	0	0	100	95-100	85-95	45-75	15-30	5-10

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: 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	
EnA:												
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
EnB2:												
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
EnC2:												
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
EvB:												
Evesboro--------	0-16	Loamy sand	SP, SP-SM	A-1, A-2, A-3	0	0	90-100	85-100	40-90	0-12	10-15	NP-3
	16-40	Sand, loamy sand	SP, SP-SM	A-1, A-2, A-3	0	0	90-100	85-100	40-90	0-12	10-15	NP-3
	40-72	Stratified gravelly sand to sandy loam	SC-SM, SM, SP, SP-SM	A-3, A-1, A-2	0	0	75-100	65-100	35-95	0-35	10-15	NP-5
EvC:												
Evesboro--------	0-16	Loamy sand	SP, SP-SM	A-1, A-2, A-3	0	0	90-100	85-100	40-90	0-12	10-15	NP-3
	16-40	Sand, loamy sand	SP, SP-SM	A-1, A-2, A-3	0	0	90-100	85-100	40-90	0-12	10-15	NP-3
	40-72	Stratified gravelly 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	
Fa:												
Fallsington-----	0-10	Loam	CL-ML, ML, SC-SM, SM	A-4	0	0	95-100	90-100	65-90	40-70	15-20	NP-10
	10-32	Sandy loam, loam, sandy clay loam	CL, ML, SC, SM	A-2, A-4, A-6	0	0	95-100	90-100	65-85	30-55	15-30	NP-15
	32-72	Stratified sand to sandy clay loam	CL, SM, SP-SM	A-2, A-3	0	0	95-100	90-100	50-85	5-55	15-30	NP-15
Fallsington-----	0-10	Loam	ML, SC-SM, SM, CL-ML	A-4	0	0	95-100	90-100	65-90	40-70	15-20	NP-10
	10-32	Sandy loam, loam, sandy clay loam	CL, ML, SC, SM	A-2, A-4, A-6	0	0	95-100	90-100	65-85	30-55	15-30	NP-15
	32-72	Stratified sand to sandy clay loam	CL, SM, SP-SM	A-2, A-3	0	0	95-100	90-100	50-85	5-55	15-30	NP-15
GlA:												
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
GlB2:												
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

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	
GlC2:												
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
GlC3:												
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
GlD2:												
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
GlD3:												
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

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
GnA:												
Glenville-------	0-9	Silt loam	ML, SM	A-4	0	0	85-100	85-100	70-95	45-80	25-35	3-10
	9-18	Silt loam, channery loam, channery silty clay loam	CL, CL-ML, GM, SC	A-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
GnB2:												
Glenville-------	0-9	Silt loam	ML, SM	A-4	0	0	85-100	85-100	70-95	45-80	25-35	3-10
	9-18	Silt loam, channery loam, channery silty clay loam	CL, CL-ML, GM, SC	A-4, A-6	0	0-10	70-100	60-100	60-95	45-80	25-40	5-13
	18-40	Silt loam, channery loam, silty clay loam	CL, CL-ML, GM, SC	A-4, A-6	0	0-10	65-100	60-100	55-95	45-80	25-40	5-13
	40-62	Channery fine sandy loam, channery loam, very channery sandy loam	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
GnC2:												
Glenville-------	0-9	Silt loam	ML, SM	A-4	0	0	85-100	85-100	70-95	45-80	25-35	3-10
	9-18	Silt loam, channery loam, channery silty clay loam	CL, CL-ML, GM, SC	A-4, A-6	0	0-10	70-100	60-100	60-95	45-80	25-40	5-13
	18-40	Silt loam, channery loam, silty clay loam	CL, CL-ML, GM, SC	A-4, A-6	0	0-10	65-100	60-100	55-95	45-80	25-40	5-13
	40-62	Channery fine sandy loam, channery loam, very channery sandy loam	CL-ML, GM, ML, SM	A-1, A-2, A-4	0	0-20	45-90	20-75	10-75	5-65	25-35	5-10

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
Gp:												
Gravel Pits And Quar----------	0-6	Extremely gravelly sand	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
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	Gravelly 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
IuB:												
Iuka----------	0-13	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	Plas-ticity index
	In				Pct	Pct					Pct	
KcE3:												
Kelly----------	0-10	Silt loam	CL	A-6	0	1-5	95-100	80-100	75-95	51-70	25-40	10-20
	10-15	Silt loam, silty clay loam, clay loam	CL	A-6, A-7	0	1-5	95-100	85-95	75-95	55-85	35-50	15-25
	15-40	Clay	CH, CL	A-6, A-7	0	0	99-100	80-100	70-100	55-95	35-60	20-45
	40-65	Clay loam, sandy clay loam, sandy loam	CL, CL-ML, SC, SC-SM	A-4, A-6	0	1-5	95-100	65-95	45-90	40-85	20-40	5-20
KeB2:												
Kelly----------	0-9	Silt loam	ML	A-4	0	0	90-100	85-100	80-100	60-90	15-30	NP-7
	9-38	Silty clay loam, clay, sandy clay loam	CH, CL, SC	A-6, A-7	0	0	90-100	85-100	70-100	35-95	35-70	14-40
	38-41	Gravelly silty clay, sandy clay loam, clay	CH, CL, GC-GM, ML	A-2, A-4, A-6, A-7	---	0-10	45-90	40-90	35-90	15-85	20-60	2-40
	41-45	Weathered bedrock			---	---	---	---	---	---	---	---
	45-49	Unweathered bedrock			---	---	---	---	---	---	---	---
KeC2:												
Kelly----------	0-10	Silt loam	CL	A-6	0	1-5	95-100	80-100	75-95	51-70	25-40	10-20
	10-15	Silt loam, silty clay loam, clay loam	CL	A-6, A-7	0	1-5	95-100	85-95	75-95	55-85	35-50	15-25
	15-40	Clay	CL	A-7	0	0	99-100	80-100	70-100	55-95	49-75	35-50
	40-65	Clay loam, sandy clay loam, sandy loam	CL, CL-ML, SC, SC-SM	A-4, A-6	0	1-5	95-100	65-95	45-90	40-85	20-40	5-20
KhC2:												
Keyport---------	0-10	Silt loam	CL, CL-ML, ML	A-4	0	0	95-100	95-100	90-100	65-85	20-30	3-10
	10-60	Silty clay loam, clay loam, clay	CH, CL, MH, ML	A-6, A-7	0	0	95-100	95-100	85-100	70-95	35-55	10-30
	60-72	Stratified clay to loamy sand	CL, CL-ML, SC, SC-SM	A-2, A-4, A-6, A-7	0	0	95-100	95-100	60-95	25-85	15-55	NP-30

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: 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	
Kn:												
Kinkora---------	0-12	Silt loam	CL, ML, SM	A-4, A-6	0	0	95-100	95-100	65-100	40-90	28-40	5-15
	12-30	Silty clay loam, clay loam, silty clay	CH, CL	A-6, A-7	0	0	95-100	95-100	85-100	65-95	35-55	11-33
	30-36	Silt loam, loam, clay loam	CL, CL-ML	A-4, A-6	---	0-10	85-100	80-100	70-100	50-90	20-40	4-15
	36-60	Variable			---	---	---	---	---	---	---	---
LeB2:												
Legore----------	0-10	Silt loam	CL	A-4, A-6	0	0-5	85-100	80-100	70-100	50-95	15-40	7-15
	10-24	Gravelly silty clay loam, clay loam, silty clay loam	MH, ML, SM	A-7	0	0-15	80-100	50-100	50-100	40-95	40-65	14-30
	24-66	Gravelly silt loam, silty clay loam, sandy loam	GM, ML, SM	A-2, A-4, A-5, A-7	0	0-15	60-100	50-100	45-100	25-95	15-50	NP-15
	66-70	Unweathered bedrock			---	---	---	---	---	---	---	---
LeC2:												
Legore----------	0-10	Silt loam	CL	A-4, A-6	0	0-5	85-100	80-100	70-100	50-95	15-40	7-15
	10-24	Gravelly silty clay loam, clay loam, silty clay loam	MH, ML, SM	A-7	0	0-15	80-100	50-100	50-100	40-95	40-65	14-30
	24-66	Gravelly silt loam, silty clay loam, sandy loam	GM, ML, SM	A-2, A-4, A-5, A-7	0	0-15	60-100	50-100	45-100	25-95	15-50	NP-15
	66-70	Unweathered bedrock			---	---	---	---	---	---	---	---

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
LgC3:												
Legore----------	0-10	Silty clay loam	CL	A-4, A-6	0	0-5	85-100	80-100	70-100	50-95	15-40	7-15
	10-24	Gravelly silty clay loam, clay loam, silty clay loam	MH, ML, SM	A-7	0	0-15	80-100	50-100	50-100	40-95	40-65	14-30
	24-66	Gravelly silt loam, silty clay loam, sandy loam	GM, ML, SM	A-2, A-4, A-5, A-7	0	0-15	60-100	50-100	45-100	25-95	15-50	NP-15
	66-70	Unweathered bedrock			---	---	---	---	---	---	---	---
Ll:												
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
LnB2:												
Linganore-------	0-11	Channery loam	GC	A-2, A-6	---	2-10	60-80	50-75	40-75	30-70	25-35	10-15
	11-17	Very channery silt loam, very channery silty clay loam	GC	A-2	---	2-25	35-55	30-55	25-55	20-50	30-45	10-20
	17-22	Extremely channery silt loam, extremely channery silty clay loam	GC	A-2	---	2-25	20-35	10-30	10-30	5-30	25-40	10-20
	22-51	Weathered bedrock			---	---	---	---	---	---	---	---
	51-55	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	Plas-ticity index
	In				Pct	Pct					Pct	
LnC2:												
Linganore-------	0-11	Channery loam	GC	A-2, A-6	---	2-10	60-80	50-75	40-75	30-70	25-35	10-15
	11-17	Very channery silt loam, very channery silty clay loam	GC	A-2	---	2-25	35-55	30-55	25-55	20-50	30-45	10-20
	17-22	Extremely channery silt loam, extremely channery silty clay loam	GC	A-2	---	2-25	20-35	10-30	10-30	5-30	25-40	10-20
	22-51	Weathered bedrock			---	---	---	---	---	---	---	---
	51-55	Unweathered bedrock			---	---	---	---	---	---	---	---
LnD2:												
Linganore-------	0-11	Channery loam	GC	A-2, A-6	---	2-10	60-80	50-75	40-75	30-70	25-35	10-15
	11-17	Very channery silt loam, very channery silty clay loam	GC	A-2	---	2-25	35-55	30-55	25-55	20-50	30-45	10-20
	17-22	Extremely channery silt loam, extremely channery silty clay loam	GC	A-2	---	2-25	20-35	10-30	10-30	5-30	25-40	10-20
	22-51	Weathered bedrock			---	---	---	---	---	---	---	---
	51-55	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	
LoE:												
Linganore-------	0-11	Channery loam	GC	A-2, A-6	---	2-10	60-80	50-75	40-75	30-70	25-35	10-15
	11-17	Very channery silt loam, very channery silty clay loam	GC	A-2	---	2-25	35-55	30-55	25-55	20-50	30-45	10-20
	17-22	Extremely channery silt loam, extremely channery silty clay loam	GC	A-2	---	2-25	20-35	10-30	10-30	5-30	25-40	10-20
	22-51	Weathered bedrock			---	---	---	---	---	---	---	---
	51-55	Unweathered bedrock			---	---	---	---	---	---	---	---
Md:												
Made Land-------	0-6	Variable			---	---	---	---	---	---	0-14	---
MgB2:												
Manor----------	0-10	Gravelly loam	GM, ML, SM	A-2-4, A-2-6, A-4, A-6	---	0-10	65-100	50-75	40-75	30-70	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
MgC2:												
Manor----------	0-10	Gravelly loam	GM, ML, SM	A-2-4, A-2-6, A-4, A-6	---	0-10	65-100	50-75	40-75	30-70	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

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	
MgC3:												
Manor----------	0-10	Gravelly loam	GM, ML, SM	A-2-4, A-2-6, A-4, A-6	---	0-10	65-100	50-75	40-75	30-70	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	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
MlA:												
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
MlB2:												
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-2-6, A-4, A-6, A-2-4	---	0-10	65-100	50-100	40-100	30-90	26-40	4-12
	20-72	Loam, sandy loam, channery sandy loam	CL-ML, ML, SC-SM, SM	A-1, A-2, A-4, A-6	---	0-5	65-100	50-100	30-95	15-75	20-40	2-12
MlC2:												
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
MlC3:												
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

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	
MlD2:												
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
MlD3:												
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
MlE:												
Manor----------	0-10	Gravelly loam	GM, ML, SM	A-2-4, A-2-6, A-4, A-6	---	0-10	65-100	50-75	40-75	30-70	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
MnD:												
Manor----------	0-10	Very stony loam	GM, ML, SM	A-4, A-6	---	3-15	70-100	60-100	50-95	35-90	32-40	6-12
	10-20	Loam, silt loam, channery loam	GM, ML, SM	A-4, A-6	---	0-10	70-95	60-95	50-95	35-85	26-40	4-12
	20-72	Loam, sandy loam, channery sandy loam	CL-ML, ML, SC-SM, SM	A-1, A-2, A-4, A-6	---	0-5	70-100	60-100	35-95	20-75	20-40	2-12
MnF:												
Manor----------	0-10	Very stony loam	GM, ML, SM	A-4, A-6	---	3-15	70-100	60-100	50-95	35-90	32-40	6-12
	10-20	Loam, silt loam, channery loam	GM, ML, SM	A-4, A-6	---	0-10	70-95	60-95	50-95	35-85	26-40	4-12
	20-72	Loam, sandy loam, channery sandy loam	CL-ML, ML, SC-SM, SM	A-1, A-2, A-4, A-6	---	0-5	70-100	60-100	35-95	20-75	20-40	2-12

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	
Mo:												
Mixed Alluvial Land----------	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	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
MpB2:												
Montalto--------	0-11	Silt loam	CH, CL, ML	A-6, A-7	0	0-5	95-100	80-100	70-100	50-95	36-52	10-25
	11-45	Clay, silty clay, clay loam	CH, CL	A-7	0	0-5	95-100	80-100	70-100	60-95	40-54	18-27
	45-65	Loam, clay loam, silty clay loam	CH, CL, ML	A-6, A-7	0	0-10	90-100	80-100	70-100	50-95	38-52	13-25
MpC2:												
Montalto--------	0-11	Silt loam	CH, CL, ML	A-6, A-7	0	0-5	95-100	80-100	70-100	50-95	36-52	10-25
	11-45	Clay, silty clay, clay loam	CH, CL	A-7	0	0-5	95-100	80-100	70-100	60-95	40-54	18-27
	45-65	Loam, clay loam, silty clay loam	CH, CL, ML	A-6, A-7	0	0-10	90-100	80-100	70-100	50-95	38-52	13-25
MqC3:												
Montalto--------	0-11	Silty clay loam	CH, CL, ML	A-6, A-7	0	0-5	95-100	80-100	70-100	50-95	36-52	10-25
	11-45	Clay, silty clay, clay loam	CH, CL	A-7	0	0-5	95-100	80-100	70-100	60-95	40-54	18-27
	45-65	Loam, clay loam, silty clay loam	CH, CL, ML	A-6, A-7	0	0-10	90-100	80-100	70-100	50-95	38-52	13-25

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	
MrE:												
Montalto--------	0-7	Very stony silt loam	ML	A-4, A-6	---	5-10	95-100	80-100	70-100	50-95	32-40	7-12
	7-11	Silt loam, silty clay loam, loam	CH, CL, ML	A-4, A-6, A-7	0	0-5	95-100	80-100	70-100	50-95	36-52	9-25
	11-45	Clay, silty clay, clay loam	CH, CL	A-7	0	0-5	95-100	80-100	70-100	60-95	40-54	18-27
	45-65	Loam, clay loam, silty clay loam	CH, CL, MH, ML	A-6, A-7	0	0-10	90-100	80-100	70-100	50-95	38-52	13-25
Relay----------	0-8	Silty clay loam	CL	A-4, A-6	0	0-5	85-100	80-100	70-100	55-95	20-33	8-12
	8-33	Silty clay loam, clay loam	CL, ML	A-4, A-6	0	0-5	85-100	80-100	70-100	60-95	30-50	8-17
	33-60	Silt loam, loam, sandy loam	CL	A-4	0	0-10	85-100	80-100	50-100	25-90	19-33	5-10
	60-64	Unweathered bedrock			---	---	---	---	---	---	---	---
MsD:												
Montalto--------	0-7	Very stony silt loam	ML	A-4, A-6	---	5-10	95-100	80-100	70-100	50-95	32-40	7-12
	7-11	Silt loam, silty clay loam, loam	CH, CL, ML	A-4, A-6, A-7	0	0-5	95-100	80-100	70-100	50-95	36-52	9-25
	11-45	Clay, silty clay, clay loam	CH, CL	A-7	0	0-5	95-100	80-100	70-100	60-95	40-54	18-27
	45-65	Loam, clay loam, silty clay loam	CH, CL, MH, ML	A-6, A-7	0	0-10	90-100	80-100	70-100	50-95	38-52	13-25
Relay----------	0-7	Very stony silt loam	ML	A-4, A-6	---	5-10	95-100	80-100	70-100	50-95	32-40	7-12
	7-11	Silt loam, silty clay loam, loam	CH, CL, ML	A-4, A-6, A-7	0	0-5	95-100	80-100	70-100	50-95	36-52	9-25
	11-45	Clay, silty clay, clay loam	CH, CL	A-7	0	0-5	95-100	80-100	70-100	60-95	40-54	18-27
	45-65	Loam, clay loam, silty clay loam	CH, CL, MH, ML	A-6, A-7	0	0-10	90-100	80-100	70-100	50-95	38-52	13-25

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: 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	
MsF:												
Montalto--------	0-7	Very stony silt loam	ML	A-4, A-6	---	5-10	95-100	80-100	70-100	50-95	32-40	7-12
	7-11	Silt loam, silty clay loam, loam	CH, CL, ML	A-4, A-6, A-7	0	0-5	95-100	80-100	70-100	50-95	36-52	9-25
	11-45	Clay, silty clay, clay loam	CH, CL	A-7	0	0-5	95-100	80-100	70-100	60-95	40-54	18-27
	45-65	Loam, clay loam, silty clay loam	CH, CL, MH, ML	A-6, A-7	0	0-10	90-100	80-100	70-100	50-95	38-52	13-25
Relay----------	0-7	Very stony silt loam	ML	A-4, A-6	---	5-10	95-100	80-100	70-100	50-95	32-40	7-12
	7-11	Silt loam, silty clay loam, loam	CH, CL, ML	A-4, A-6, A-7	0	0-5	95-100	80-100	70-100	50-95	36-52	9-25
	11-45	Clay, silty clay, clay loam	CH, CL	A-7	0	0-5	95-100	80-100	70-100	60-95	40-54	18-27
	45-65	Loam, clay loam, silty clay loam	CH, CL, MH, ML	A-6, A-7	0	0-10	90-100	80-100	70-100	50-95	38-52	13-25
MtB2:												
Mt.airy---------	0-6	Channery loam	GM, ML	A-2, A-4, A-6	---	0-10	40-60	40-60	25-60	20-55	32-40	6-12
	6-33	Channery silt loam, very channery loam, extremely channery clay loam	GM	A-1, A-2	---	0-15	35-50	30-50	25-40	10-25	26-40	4-12
	33-37	Weathered bedrock			---	---	---	---	---	---	---	---
MtC2:												
Mt.airy---------	0-6	Channery loam	GM, ML	A-2, A-4, A-6	---	0-10	40-60	40-60	25-60	20-55	32-40	6-12
	6-33	Channery silt loam, very channery loam, extremely channery clay loam	GM	A-1, A-2	---	0-15	35-50	30-50	25-40	10-25	26-40	4-12
	33-37	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	
MtC3:												
Mt.airy---------	0-6	Channery loam	GM, ML	A-2, A-4, A-6	---	0-10	40-60	40-60	25-60	20-55	32-40	6-12
	6-33	Channery silt loam, very channery loam, extremely channery clay loam	GM	A-1, A-2	---	0-15	35-50	30-50	25-40	10-25	26-40	4-12
	33-37	Weathered bedrock			---	---	---	---	---	---	---	---
MtD2:												
Mt.airy---------	0-6	Channery loam	GM, ML	A-2, A-4, A-6	---	0-10	40-60	40-60	25-60	20-55	32-40	6-12
	6-33	Channery silt loam, very channery loam, extremely channery clay loam	GM	A-1, A-2	---	0-15	35-50	30-50	25-40	10-25	26-40	4-12
	33-37	Weathered bedrock			---	---	---	---	---	---	---	---
MtE:												
Mt.airy---------	0-6	Channery loam	GM, ML	A-2, A-4, A-6	---	0-10	40-60	40-60	25-60	20-55	32-40	6-12
	6-33	Channery silt loam, very channery loam, extremely channery clay loam	GM	A-1, A-2	---	0-15	35-50	30-50	25-40	10-25	26-40	4-12
	33-37	Weathered bedrock			---	---	---	---	---	---	---	---
NeB2:												
Neshaminy-------	0-11	Silt loam	CL	A-4	0	0-10	95-100	90-100	80-100	65-85	0-14	5-10
	11-54	Silt loam, gravelly silty clay loam, gravelly sandy clay loam	GM, MH, ML, SM	A-2, A-4, A-6, A-7	0-1	0-40	60-100	55-100	45-100	30-75	25-55	NP-22
	54-58	Weathered bedrock			---	---	---	---	---	---	---	---

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	
NeC2:												
Neshaminy-------	0-11	Silt loam	CL	A-4	0	0-10	95-100	90-100	80-100	65-85	0-14	5-10
	11-54	Silt loam, gravelly silty clay loam, gravelly sandy clay loam	GM, MH, ML, SM	A-2, A-4, A-6, A-7	0-1	0-40	60-100	55-100	45-100	30-75	25-55	NP-22
	54-58	Weathered bedrock			---	---	---	---	---	---	---	---
NsD3:												
Neshaminy-------	0-11	Silty clay loam	CL	A-4	0	0-10	95-100	90-100	90-100	85-100	0-14	5-10
	11-54	Silt loam, gravelly silty clay loam, gravelly sandy clay loam	GM, MH, ML, SM	A-7, A-2, A-4, A-6	0-1	0-40	60-100	55-100	45-100	30-75	25-55	NP-22
	54-58	Weathered bedrock			---	---	---	---	---	---	---	---
ReC2:												
Relay----------	0-8	Silt loam	CL	A-4, A-6	0	0-5	85-100	80-100	70-100	55-95	20-33	8-12
	8-33	Silty clay loam, clay loam	CL, ML	A-4, A-6	0	0-5	85-100	80-100	70-100	60-95	30-50	8-17
	33-60	Silt loam, loam, sandy loam	CL, CL-ML	A-4	0	0-10	85-100	80-100	50-100	25-90	19-33	5-10
	60-64	Unweathered bedrock			---	---	---	---	---	---	---	---
RuB2:												
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	
RuC2:												
Rumford---------	0-17	Loamy sand	SM	A-1, A-2	0	0	90-100	85-100	45-75	15-30	15-20	NP
	17-37	Fine sandy loam, sandy loam, sandy clay loam	SC, 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
RuD2:												
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
ScB:												
Sandy And Clayey Land----------	0-28	Loamy sand	SM, SP-SM	A-1, A-2, A-3, A-4	0	0	100	85-100	49-85	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	A-6, A-7	0	0	100	100	100	90-100	40-59	17-31
Sandy And Clayey Land----------	0-7	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
ScD:												
Sandy And Clayey Land----------	0-28	Loamy sand	SM, SP-SM	A-1, A-2, A-3, A-4	0	0	100	85-100	49-85	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	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: 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	
Sandy And Clayey Land----------	0-7	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
ScE:												
Sandy And Clayey Land----------	0-28	Loamy sand	SM, SP-SM	A-1, A-2, A-3, A-4	0	0	100	85-100	49-85	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	A-6, A-7	0	0	100	100	100	90-100	40-59	17-31
Sandy And Clayey Land----------	0-7	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
SfB2:												
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, 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
SfC2:												
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, 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	Plasticity index
	In				Pct	Pct					Pct	
SfD2:												
Sassafras-------	0-9	Gravelly sandy loam	CL, ML, SM	A-4, A-1, A-2	0-1	0-10	60-85	50-75	30-70	15-55	15-32	NP-10
	9-40	Loam, sandy clay loam, sandy loam	CL, SC-SM	A-2, A-4, A-6	0	0	85-100	85-100	50-95	25-75	20-33	5-15
	40-70	Gravelly sandy loam, loamy sand, sand	SC, SM, SP-SM	A-1, A-2, A-4	0	0	70-100	50-100	30-90	5-50	15-26	NP-8
SlB2:												
Sassafras-------	0-9	Loam	CL, CL-ML, ML	A-4	0	0	85-100	80-100	70-95	50-75	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
SlC2:												
Sassafras-------	0-9	Loam	CL, CL-ML, ML	A-4	0	0	85-100	80-100	70-95	50-75	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
SlD2:												
Sassafras-------	0-9	Loam	CL, CL-ML, ML	A-4	0	0	85-100	80-100	70-95	50-75	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
SsE:												
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	
St:												
Stony Land------	0-10	Very stony loam	GM, ML, SM	A-4, A-6	---	3-15	70-100	60-100	50-95	35-90	32-40	6-12
	10-20	Loam, silt loam, channery loam	GM, ML, SM	A-4, A-6	---	0-10	70-95	60-95	50-95	35-85	26-40	4-12
	20-72	Loam, sandy loam, channery sandy loam	CL-ML, ML, SC-SM, SM	A-1, A-2, A-4, A-6	---	0-5	70-100	60-100	35-95	20-75	20-40	2-12
SuB2:												
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
SuD2:												
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
W:												
Water----------	---	---	---	---	---	---	---	---	---	---	---	---
WaA:												
Watchung--------	0-9	Silt loam	ML	A-4, A-6, A-7	---	0-15	85-100	80-100	70-100	50-95	35-45	8-14
	9-51	Clay, silty clay, silty clay loam	CL, CH	A-7	---	0-15	85-100	80-100	70-100	60-95	40-65	15-35
	51-66	Silt loam, silty clay loam, loam	ML	A-6, A-7	---	0-15	85-100	80-100	70-100	50-95	35-45	10-15

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	
WaB:												
Watchung--------	0-9	Silt loam	ML	A-4, A-6, A-7	---	0-15	85-100	80-100	70-100	50-95	35-45	8-14
	9-51	Clay, silty clay, silty clay loam	CH, CL	A-7	---	0-15	85-100	80-100	70-100	60-95	40-65	15-35
	51-66	Silt loam, silty clay loam, loam	ML	A-6, A-7	---	0-15	85-100	80-100	70-100	50-95	35-45	10-15
WoB2:												
Woodstown-------	0-11	Sandy loam	CL-ML, SC-SM, SM	A-2, A-4	0	0	90-100	80-100	60-95	30-75	15-28	NP-7
	11-29	Sandy clay loam, loam, sandy loam	CL, CL-ML, ML, SM	A-2, A-4, A-6	0	0	90-100	70-100	45-90	25-60	15-32	NP-20
	29-70	Stratified gravelly sand to sandy loam	SC-SM, SM, SP-SM	A-1, A-2, A-2-4, A-3	0	0	80-100	70-95	35-55	5-25	15-26	NP-6