Wicomico County, Maryland
Table H.--Engineering Index Properties

Print date: 08/28/2002

(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	
Ba:												
Bayboro---------	0-14	Loam	CL, CL-ML, ML	A-4, A-6, A-7	0	0	100	100	85-100	60-80	25-42	3-20
	14-64	Clay loam, sandy clay, clay	CH, CL	A-6, A-7	0	0	100	100	85-100	55-95	35-70	20-40
Bb:												
Bayboro---------	0-14	Loam	CL, CL-ML, ML	A-4, A-6, A-7	0	0	100	100	85-100	60-80	25-42	3-20
	14-64	Clay loam, sandy clay, clay	CH, CL	A-6, A-7	0	0	100	100	85-100	55-95	35-70	20-40
Be:												
Beaches---------	0-6	Sand	SP	A-1, A-3	0	0	100	75-100	5-85	0-5	0-14	NP
	6-60	Coarse sand, sand, fine sand	SP	A-1, A-3	0	0	100	75-100	5-85	0-5	0-14	NP
Bo:												
Borrow Pits-----	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
DoA:												
Downer----------	0-18	Loamy sand	SM, SP-SM	A-1, A-2	0	0	80-100	75-100	40-75	10-30	15-20	NP-4
	18-30	Sandy loam, gravelly sandy loam	SC, SC-SM, SM	A-1, A-2, A-4	0	0	80-100	75-100	45-70	20-40	15-25	NP-8
	30-40	Stratified very gravelly loamy sand to sandy loam	GM, GP-GM, SM, SP-SM	A-2, A-3, A-1	0	0	45-100	35-100	20-70	5-15	10-15	NP-4
	40-60	Stratified gravelly sand to sandy clay loam	SM, SP-SM, SC, SC-SM	A-1, A-2, A-3, A-4	0	0	75-100	70-100	35-90	5-55	10-30	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	
DoB2:												
Downer----------	0-18	Loamy sand	SM, SP-SM	A-1, A-2	0	0	80-100	75-100	40-75	10-30	15-20	NP-4
	18-30	Sandy loam, gravelly sandy loam	SC, SC-SM, SM	A-1, A-2, A-4	0	0	80-100	75-100	45-70	20-40	15-25	NP-8
	30-40	Stratified very gravelly loamy sand to sandy loam	GM, GP-GM, SM, SP-SM	A-1, A-2, A-3	0	0	45-100	35-100	20-70	5-15	10-15	NP-4
	40-60	Stratified gravelly sand to sandy clay loam	SC, SC-SM, SM, SP-SM	A-1, A-2, A-3, A-4	0	0	75-100	70-100	35-90	5-55	10-30	NP-10
DoC:												
Downer----------	0-18	Loamy sand	SM, SP-SM	A-1, A-2	0	0	80-100	75-100	40-75	10-30	15-20	NP-4
	18-30	Sandy loam, gravelly sandy loam	SC, SC-SM, SM	A-1, A-2, A-4	0	0	80-100	75-100	45-70	20-40	15-25	NP-8
	30-40	Stratified very gravelly loamy sand to sandy loam	GM, GP-GM, SM, SP-SM	A-1, A-2, A-3	0	0	45-100	35-100	20-70	5-15	10-15	NP-4
	40-60	Stratified gravelly sand to sandy clay loam	SC, SC-SM, SM, SP-SM	A-1, A-2, A-3, A-4	0	0	75-100	70-100	35-90	5-55	10-30	NP-10
Ea:												
Elkton----------	0-10	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	CH, CL	A-6, A-7	0	0	100	100	95-100	85-95	0-51	10-35
	40-65	Very fine sandy loam	CL	A-4	0	0	100	95-100	85-95	45-75	15-30	5-10
Ek:												
Elkton----------	0-10	Sandy loam	SC, SC-SM, SM	A-4	0	0	100	95-100	70-100	35-50	20-30	NP-15
	10-24	Silty clay loam	CL	A-6	0	0	100	100	90-100	85-95	25-40	10-20
	24-40	Silty clay loam, silty clay	CH, CL	A-6, A-7	0	0	100	100	95-100	85-95	0-51	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	
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	CH, CL	A-6, A-7	0	0	100	100	95-100	85-95	0-51	10-35
	40-65	Very fine sandy loam	CL	A-4	0	0	100	95-100	85-95	45-75	15-30	5-10
En:												
Elkton----------	0-10	Silty clay loam	CL	A-6	0	0	100	100	90-100	85-95	25-40	10-20
	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	CH, CL	A-6, A-7	0	0	100	100	95-100	85-95	0-51	10-35
	40-65	Very fine sandy loam	CL	A-4	0	0	100	95-100	85-95	45-75	15-30	5-10
EoD:												
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 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
EpB:												
Evesboro--------	0-40	Loamy sand	SP, SP-SM	A-1, A-2, A-3	0	0	90-100	85-100	40-90	0-12	0-14	NP
	40-60	Sandy clay, clay	CL, SC	A-6, A-7	0	0	90-100	85-100	60-100	45-70	25-50	10-30
ErD:												
Evesboro--------	0-16	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 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
EsB:												
Evesboro--------	0-40	Sand	SP, SP-SM	A-1, A-2, A-3	0	0	90-100	85-100	40-90	0-12	0-14	NP
	40-60	Sandy clay, clay	CL, SC	A-6, A-7	0	0	90-100	85-100	60-100	45-70	25-50	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	
EtF:												
Evesboro--------	0-16	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 sand to sandy loam	SP-SM, SC-SM, SM, SP	A-1, A-2, A-3	0	0	75-100	65-100	35-95	0-35	10-15	NP-5
EvD:												
Evesboro--------	0-16	Sand	SP, SP-SM	A-3, A-1, A-2	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 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
Galestown-------	0-11	Gravelly sand	SP, SP-SM	A-1, A-2, A-3	0	0	95-100	55-100	30-75	4-10	0-14	NP
	11-40	Loamy sand, sand, loamy fine sand	SM, SP-SM	A-1, A-2, A-3	0	0	95-100	95-100	45-75	4-20	0-14	NP
	40-65	Sand, loamy sand, gravelly sand	SP, SP-SM	A-1, A-2, A-3	0	0	75-100	55-100	30-75	4-10	0-14	NP
EwB:												
Evesboro--------	0-40	Sand	SP, SP-SM	A-1, A-2, A-3	0	0	90-100	85-100	40-90	0-12	0-14	NP
	40-60	Sandy clay, clay	CL, SC	A-6, A-7	0	0	90-100	85-100	60-100	45-70	25-50	10-30
Galestown-------	0-11	Gravelly sand	SP, SP-SM	A-1, A-2, A-3	0	0	95-100	55-100	30-75	4-10	0-14	NP
	11-40	Loamy sand, sand, loamy fine sand	SM, SP-SM	A-1, A-2, A-3	0	0	95-100	95-100	45-75	4-20	0-14	NP
	40-65	Sand, loamy sand, gravelly sand	SP, SP-SM	A-1, A-2, A-3	0	0	75-100	55-100	30-75	4-10	0-14	NP
EyC:												
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 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	
Galestown-------	0-11	Loamy sand	SM, SP-SM	A-1, A-2, A-3	0	0	95-100	75-100	45-70	4-20	0-14	NP
	11-40	Loamy sand, sand, loamy fine sand	SM, SP-SM	A-1, A-2, A-3	0	0	95-100	95-100	45-75	4-20	0-14	NP
	40-65	Sand, loamy sand, gravelly sand	SP, SP-SM	A-1, A-2, A-3	0	0	75-100	55-100	30-75	4-10	0-14	NP
Downer----------	0-18	Loamy sand	SM, SP-SM	A-1, A-2	0	0	80-100	75-100	40-75	10-30	15-20	NP-4
	18-30	Sandy loam, gravelly sandy loam	SC, SC-SM, SM	A-1, A-2, A-4	0	0	80-100	75-100	45-70	20-40	15-25	NP-8
	30-40	Stratified very gravelly loamy sand to sandy loam	GM, GP-GM, SM, SP-SM	A-1, A-2, A-3	0	0	45-100	35-100	20-70	5-15	10-15	NP-4
	40-60	Stratified gravelly sand to sandy clay loam	SC, SC-SM, SM, SP-SM	A-1, A-2, A-3, A-4	0	0	75-100	70-100	35-90	5-55	10-30	NP-10
Fa:												
Fallsington-----	0-10	Fine sandy loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0	0	95-100	90-100	65-90	30-60	15-19	NP-5
	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
Fg:												
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

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
Fs:												
Fallsington-----	0-10	Sandy loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0	0	95-100	90-100	65-90	30-60	15-19	NP-5
	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
GaD:												
Galestown-------	0-11	Loamy sand	SM, SP-SM	A-1, A-2, A-3	0	0	95-100	75-100	45-70	4-20	0-14	NP
	11-40	Loamy sand, sand, loamy fine sand	SM, SP-SM	A-1, A-2, A-3	0	0	95-100	95-100	45-75	4-20	0-14	NP
	40-65	Sand, loamy sand, gravelly sand	SP, SP-SM	A-1, A-2, A-3	0	0	75-100	55-100	30-75	4-10	0-14	NP
GcB:												
Galestown-------	0-11	Loamy sand	SM, SP-SM	A-3, A-1, A-2	0	0	95-100	75-100	45-70	4-20	0-14	NP
	11-40	Loamy sand, sand, loamy fine sand	SM, SP-SM	A-1, A-2, A-3	0	0	95-100	95-100	45-75	4-20	0-14	NP
	40-65	Sand, loamy sand, gravelly sand	SP, SP-SM	A-1, A-2, A-3	0	0	75-100	55-100	30-75	4-10	0-14	NP
KeA:												
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
KeB:												
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	
KsA:												
Klej----------	0-9	Loamy sand	SM, SP-SM	A-2	0	0	100	95-100	50-95	10-25	15-20	NP
	9-39	Loamy sand, loamy fine sand	SM, SP-SM	A-2	0	0	100	95-100	50-95	10-25	15-20	NP
	39-47	Sand, fine sand	SM, SP-SM	A-1, A-2, A-3	0	0	90-100	75-100	40-80	5-20	15-20	NP
	47-60	Sandy loam, sandy clay loam	CL, ML, SC, SM	A-2, A-4, A-6	0	0	90-100	75-100	45-95	20-60	10-30	NP-15
KsB:												
Klej----------	0-9	Loamy sand	SM, SP-SM	A-2	0	0	100	95-100	50-95	10-25	15-20	NP
	9-39	Loamy sand, loamy fine sand	SM, SP-SM	A-2	0	0	100	95-100	50-95	10-25	15-20	NP
	39-47	Sand, fine sand	SM, SP-SM	A-1, A-2, A-3	0	0	90-100	75-100	40-80	5-20	15-20	NP
	47-60	Sandy loam, sandy clay loam	CL, ML, SC, SM	A-2, A-4, A-6	0	0	90-100	75-100	45-95	20-60	10-30	NP-15
Le:												
Leon----------	0-3	Fine sand	SP, SP-SM	A-2-4, A-3	0	0	100	100	80-100	2-12	0-14	NP
	3-15	Sand, fine sand	SP, SP-SM	A-2-4, A-3	0	0	100	100	80-100	2-12	0-14	NP
	15-30	Sand, fine sand, loamy sand	SM, SP, SP-SM	A-2-4, A-3	0	0	100	100	80-100	3-20	0-14	NP
	30-80	Sand, fine sand	SP, SP-SM	A-2-4, A-3	0	0	100	100	80-100	2-12	0-14	NP
Ma:												
Made Land-------	0-6	Variable			---	---	---	---	---	---	0-14	---
MdA:												
Matapeake-------	0-16	Fine sandy loam	SC-SM, SM	A-2, A-4	0	0	100	100	80-100	30-65	15-30	2-9
	16-34	Silt loam, silty clay loam, loam	CL	A-6	0	0	100	100	80-100	80-100	27-45	10-22
	34-62	Sandy loam, loamy sand, sand	SM	A-2, A-3, A-4	0	0	95-100	90-100	55-70	5-40	15-19	NP-3

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: 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	
MdB2:												
Matapeake-------	0-16	Fine sandy loam	SC-SM, SM	A-2, A-4	0	0	100	100	80-100	30-65	15-30	2-9
	16-34	Silt loam, silty clay loam, loam	CL	A-6	0	0	100	100	80-100	80-100	27-45	10-22
	34-62	Sandy loam, loamy sand, sand	SM	A-2, A-3, A-4	0	0	95-100	90-100	55-70	5-40	15-19	NP-3
MeA:												
Matapeake-------	0-16	Silt loam	CL, CL-ML, ML	A-4	0	0	100	100	80-100	80-100	20-33	3-9
	16-34	Silt loam, silty clay loam, loam	CL	A-6	0	0	100	100	80-100	80-100	27-45	10-22
	34-62	Sandy loam, loamy sand, sand	SM	A-2, A-3, A-4	0	0	95-100	90-100	55-70	5-40	15-19	NP-3
MeB2:												
Matapeake-------	0-16	Silt loam	CL, CL-ML, ML	A-4	0	0	100	100	80-100	80-100	20-33	3-9
	16-34	Silt loam, silty clay loam, loam	CL	A-6	0	0	100	100	80-100	80-100	27-45	10-22
	34-62	Sandy loam, loamy sand, sand	SM	A-2, A-3, A-4	0	0	95-100	90-100	55-70	5-40	15-19	NP-3
MeC:												
Matapeake-------	0-16	Silt loam	CL, CL-ML, ML	A-4	0	0	100	100	80-100	80-100	20-33	3-9
	16-34	Silt loam, silty clay loam, loam	CL	A-6	0	0	100	100	80-100	80-100	27-45	10-22
	34-62	Sandy loam, loamy sand, sand	SM	A-2, A-3, A-4	0	0	95-100	90-100	55-70	5-40	15-19	NP-3
MfA:												
Matawan---------	0-20	Fine sandy loam	SC-SM, SM, ML	A-2, A-4	0	0	100	100	60-85	30-55	15-30	NP-6
	20-38	Sandy clay loam, sandy loam, clay loam	CL, ML, SC, SM	A-2, A-4, A-6, A-7	0	0	100	95-100	60-95	30-80	15-45	3-20
	38-60	Stratified sand to clay loam	CL, ML, SC, SM	A-2, A-4, A-6, A-7	0	0	100	95-100	50-95	5-80	15-45	NP-20

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	
MfB:												
Matawan---------	0-20	Fine sandy loam	ML, SC-SM, SM	A-2, A-4	0	0	100	100	60-85	30-55	15-30	NP-6
	20-38	Sandy clay loam, sandy loam, clay loam	CL, ML, SC, SM	A-2, A-4, A-6, A-7	0	0	100	95-100	60-95	30-80	15-45	3-20
	38-60	Stratified sand to clay loam	CL, ML, SC, SM	A-7, A-2, A-4, A-6	0	0	100	95-100	50-95	5-80	15-45	NP-20
MmA:												
Matawan---------	0-20	Loamy sand	SM	A-2	0	0	100	100	50-75	15-30	15-30	NP
	20-38	Sandy clay loam, sandy loam, clay loam	CL, ML, SC, SM	A-2, A-4, A-6, A-7	0	0	100	95-100	60-95	30-80	15-45	3-20
	38-60	Stratified sand to clay loam	CL, ML, SC, SM	A-2, A-4, A-6, A-7	0	0	100	95-100	50-95	5-80	15-45	NP-20
MmB:												
Matawan---------	0-20	Loamy sand	SM	A-2	0	0	100	100	50-75	15-30	15-30	NP
	20-38	Sandy clay loam, sandy loam, clay loam	CL, ML, SC, SM	A-2, A-4, A-6, A-7	0	0	100	95-100	60-95	30-80	15-45	3-20
	38-60	Stratified sand to clay loam	CL, ML, SC, SM	A-2, A-4, A-6, A-7	0	0	100	95-100	50-95	5-80	15-45	NP-20
MmC:												
Matawan---------	0-20	Loamy sand	SM	A-2	0	0	100	100	50-75	15-30	15-30	NP
	20-38	Sandy clay loam, sandy loam, clay loam	CL, ML, SC, SM	A-2, A-4, A-6, A-7	0	0	100	95-100	60-95	30-80	15-45	3-20
	38-60	Stratified sand to clay loam	CL, ML, SC, SM	A-2, A-4, A-6, A-7	0	0	100	95-100	50-95	5-80	15-45	NP-20
MmE:												
Matawan---------	0-20	Loamy sand	SM	A-2	0	0	100	100	50-75	15-30	15-30	NP
	20-38	Sandy clay loam, sandy loam, clay loam	CL, ML, SC, SM	A-2, A-4, A-6, A-7	0	0	100	95-100	60-95	30-80	15-45	3-20
	38-60	Stratified sand to clay loam	CL, ML, SC, SM	A-2, A-4, A-6, A-7	0	0	100	95-100	50-95	5-80	15-45	NP-20

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
MnA:												
Matawan---------	0-20	Sandy loam	ML, SC-SM, SM	A-2, A-4	0	0	100	100	60-85	30-55	15-30	NP-6
	20-38	Sandy clay loam, sandy loam, clay loam	CL, ML, SC, SM	A-2, A-4, A-6, A-7	0	0	100	95-100	60-95	30-80	15-45	3-20
	38-60	Stratified sand to clay loam	CL, ML, SC, SM	A-2, A-4, A-6, A-7	0	0	100	95-100	50-95	5-80	15-45	NP-20
MnB:												
Matawan---------	0-20	Sandy loam	ML, SC-SM, SM	A-2, A-4	0	0	100	100	60-85	30-55	15-30	NP-6
	20-38	Sandy clay loam, sandy loam, clay loam	CL, ML, SC, SM	A-2, A-4, A-6, A-7	0	0	100	95-100	60-95	30-80	15-45	3-20
	38-60	Stratified sand to clay loam	CL, ML, SC, SM	A-2, A-4, A-6, A-7	0	0	100	95-100	50-95	5-80	15-45	NP-20
MpA:												
Mattapex--------	0-15	Loam	CL, CL-ML, SC-SM	A-4	0	0	100	100	70-100	45-90	15-30	5-15
	15-36	Silty clay loam, silt loam	CL, CL-ML	A-4, A-6, A-7	0	0	100	100	90-100	85-95	24-45	7-21
	36-60	Fine sandy loam, loam, loamy sand	CL, ML, SC, SM	A-2, A-4, A-6	0	0	95-100	90-100	45-95	15-75	15-40	NP-18
	60-65	Sand, loamy sand	SM	A-2	0	0	95-100	90-100	43-85	15-40	10-15	NP
MpB:												
Mattapex--------	0-15	Loam	CL-ML, SC-SM, CL	A-4	0	0	100	100	70-100	45-90	15-30	5-15
	15-36	Silty clay loam, silt loam	CL, CL-ML	A-4, A-6, A-7	0	0	100	100	90-100	85-95	24-45	7-21
	36-60	Fine sandy loam, loam, loamy sand	CL, ML, SC, SM	A-2, A-4, A-6	0	0	95-100	90-100	45-95	15-75	15-40	NP-18
	60-65	Sand, loamy sand	SM	A-2	0	0	95-100	90-100	43-85	15-40	10-15	NP

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: 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	
MtA:												
Mattapex--------	0-15	Silt loam	CL, CL-ML	A-4	0	0	95-100	90-100	80-100	80-100	15-30	5-15
	15-36	Silty clay loam, silt loam	CL, CL-ML	A-4, A-6, A-7	0	0	100	100	90-100	85-95	24-45	7-21
	36-60	Fine sandy loam, loam, loamy sand	CL, ML, SC, SM	A-2, A-4, A-6	0	0	95-100	90-100	45-95	15-75	15-40	NP-18
	60-65	Sand, loamy sand	SM	A-2	0	0	95-100	90-100	43-85	15-40	10-15	NP
MtB:												
Mattapex--------	0-15	Silt loam	CL, CL-ML	A-4	0	0	95-100	90-100	80-100	80-100	15-30	5-15
	15-36	Silty clay loam, silt loam	CL, CL-ML	A-4, A-6, A-7	0	0	100	100	90-100	85-95	24-45	7-21
	36-60	Fine sandy loam, loam, loamy sand	CL, ML, SC, SM	A-2, A-4, A-6	0	0	95-100	90-100	45-95	15-75	15-40	NP-18
	60-65	Sand, loamy sand	SM	A-2	0	0	95-100	90-100	43-85	15-40	10-15	NP
Mu:												
Muck----------	0-39		PT	A-8	---	---	---	---	---	---	0-14	---
	39-60	Sand, gravelly sand	GP-GM, GW, SP-SM, SW	A-1	0	0	40-100	35-100	20-50	4-10	15-20	NP-3
Mv:												
Mixed Alluvial Land----------	0-6	Gravelly silt loam	CL-ML, ML, SC-SM, SM	A-4	---	0-5	75-100	60-100	55-90	45-80	15-25	NP-6
	6-42	Sandy loam, silt loam, gravelly loam	CL-ML, ML, SC-SM, SM	A-4	---	0-10	75-100	60-100	50-90	35-80	10-25	NP-6
	42-60	Silt loam, loam, silty clay loam	CL, CL-ML, ML	A-4, A-6	0	0	95-100	95-100	80-100	50-95	15-40	2-25

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	
NoA:												
Norfolk---------	0-14	Loamy sand	SM	A-2	0	0	95-100	92-100	50-95	13-30	15-20	NP
	14-38	Sandy loam, sandy clay loam, clay loam	CL, CL-ML, SC, SC-SM	A-2, A-4, A-6	0	0	95-100	91-100	70-96	30-63	20-38	4-15
	38-70	Sandy clay loam, clay loam, sandy clay	CL, CL-ML, SC, SC-SM	A-4, A-6, A-7-6	0	0	100	98-100	65-98	36-72	20-52	4-23
	70-99	Variable			---	---	---	---	---	---	---	---
NoB:												
Norfolk---------	0-14	Loamy sand	SM	A-2	0	0	95-100	92-100	50-95	13-30	15-20	NP
	14-38	Sandy loam, sandy clay loam, clay loam	CL, CL-ML, SC, SC-SM	A-2, A-4, A-6	0	0	95-100	91-100	70-96	30-63	20-38	4-15
	38-70	Sandy clay loam, clay loam, sandy clay	CL, CL-ML, SC, SC-SM	A-4, A-6, A-7-6	0	0	100	98-100	65-98	36-72	20-52	4-23
	70-99	Variable			---	---	---	---	---	---	---	---
NoC:												
Norfolk---------	0-14	Loamy sand	SM	A-2	0	0	95-100	92-100	50-95	13-30	15-20	NP
	14-38	Sandy loam, sandy clay loam, clay loam	CL, CL-ML, SC, SC-SM	A-2, A-4, A-6	0	0	95-100	91-100	70-96	30-63	20-38	4-15
	38-70	Sandy clay loam, clay loam, sandy clay	CL, CL-ML, SC, SC-SM	A-4, A-6, A-7-6	0	0	100	98-100	65-98	36-72	20-52	4-23
	70-99	Variable			---	---	---	---	---	---	---	---
NsD:												
Norfolk---------	0-14	Loamy sand	SM	A-2	0	0	95-100	92-100	50-95	13-30	15-20	NP
	14-38	Sandy loam, sandy clay loam, clay loam	CL, CL-ML, SC, SC-SM	A-2, A-4, A-6	0	0	95-100	91-100	70-96	30-63	20-38	4-15
	38-70	Sandy clay loam, clay loam, sandy clay	CL, CL-ML, SC, SC-SM	A-4, A-6, A-7-6	0	0	100	98-100	65-98	36-72	20-52	4-23
	70-99	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	
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	SM, SP-SM, SC, SC-SM	A-1, A-2, A-3, A-4	0	0	70-100	50-100	30-90	5-55	15-26	NP-8
NsE:												
Norfolk----------	0-9	Loamy fine sand	ML	A-4	0	0	85-100	80-100	70-95	50-75	15-15	NP
	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
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
Ot:												
Othello----------	0-9	Silt loam	CL, CL-ML, ML, SM	A-4, A-6	0	0	100	100	70-100	40-95	20-35	NP-15
	9-29	Silty clay loam, silt loam	CL	A-6	0	0	100	100	90-100	70-95	29-40	10-19
	29-50	Sandy loam, loam, sandy clay loam	CL, CL-ML, SC, SM	A-4, A-6	0	0	90-100	85-100	50-90	25-65	15-35	NP-17
	50-72	Sand, loamy sand, loamy fine sand	SM, SP-SM	A-1, A-2	0	0	90-100	85-100	20-50	5-35	10-15	NP-5

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	
Ow:												
Othello---------	0-9	Silt loam	CL, CL-ML, ML, SM	A-4, A-6	0	0	100	100	70-100	40-95	20-35	NP-15
	9-29	Silty clay loam, silt loam	CL	A-6	0	0	100	100	90-100	70-95	29-40	10-19
	29-50	Sandy loam, loam, sandy clay loam	CL, CL-ML, SC, SM	A-4, A-6	0	0	90-100	85-100	50-90	25-65	15-35	NP-17
	50-72	Sand, loamy sand, loamy fine sand	SM, SP-SM	A-1, A-2	0	0	90-100	85-100	20-50	5-35	10-15	NP-5
Pe:												
Plummer---------	0-50	Loamy sand	SM	A-2-4	0	0	100	100	75-96	13-26	0-14	NP
	50-72	Sandy loam, sandy clay loam, fine sandy loam	SC, SC-SM, SM	A-2-4, A-4	0	0	100	97-100	76-96	20-48	15-30	NP-10
Pk:												
Pocomoke--------	0-10	Loam	CL-ML, SM	A-2, A-4	0	0	85-100	85-100	30-75	20-50	19-40	3-10
	10-28	Sandy loam, fine sandy loam, loam	ML, SM	A-2, A-4	0	0	85-100	85-100	40-85	5-65	15-40	NP-15
	28-40	Loamy sand	SM, SP-SM	A-1, A-2	0	0	80-100	70-100	30-75	10-25	10-22	NP-8
	40-60	Stratified sandy clay loam to sand	CL-ML, SC, SM	A-2, A-3, A-4	0	0	80-100	65-100	30-90	4-55	15-38	NP-15
Po:												
Pocomoke--------	0-10	Sandy loam	CL-ML, SM	A-2, A-4	0	0	85-100	85-100	30-75	20-50	19-40	3-10
	10-28	Sandy loam, fine sandy loam, loam	ML, SM	A-2, A-4	0	0	85-100	85-100	40-85	5-65	15-40	NP-15
	28-40	Loamy sand	SM, SP-SM	A-1, A-2	0	0	80-100	70-100	30-75	10-25	10-22	NP-8
	40-60	Stratified sandy clay loam to sand	CL-ML, SC, SM	A-2, A-3, A-4	0	0	80-100	65-100	30-90	4-55	15-38	NP-15

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: 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	
Pr:												
Portsmouth------	0-19	Sandy loam	ML, SC-SM, SM	A-2, A-4	0	0	98-100	98-100	65-95	30-65	15-30	NP-7
	19-35	Loam, sandy clay loam, clay loam	CL, CL-ML, SC	A-4, A-6	0	0	98-100	98-100	75-95	36-70	18-40	7-18
	35-38	Loamy sand, sandy loam	SM	A-2	0	0	98-100	98-100	50-70	13-35	15-18	NP-4
	38-72	Stratified coarse sand to loamy sand	SM, SP, SP-SM	A-1, A-2, A-3	0	0	98-100	98-100	45-65	3-25	0-14	NP
Pt:												
Portsmouth------	0-19	Loam	ML, SC-SM, SM	A-2, A-4	0	0	98-100	98-100	65-95	30-65	15-30	NP-7
	19-35	Loam, sandy clay loam, clay loam	CL, CL-ML, SC	A-4, A-6	0	0	98-100	98-100	75-95	36-70	18-40	7-18
	35-38	Loamy sand, sandy loam	SM	A-2	0	0	98-100	98-100	50-70	13-35	15-18	NP-4
	38-72	Stratified coarse sand to loamy sand	SM, SP, SP-SM	A-1, A-2, A-3	0	0	98-100	98-100	45-65	3-25	0-14	NP
Ru:												
Rutlege---------	0-18	Loamy sand	SM, SP-SM	A-2, A-3	0	0	95-100	95-100	50-80	5-35	15-25	NP
	18-60	Sand, loamy sand, loamy fine sand	SP, SP-SM, SM	A-2, A-3	0	0	95-100	95-100	50-80	2-25	15-20	NP
SaA:												
Sassafras-------	0-9	Fine 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
SaB:												
Sassafras-------	0-9	Fine 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	
SsA:												
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
SsB2:												
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
SsC2:												
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
St:												
St. Johns-------	0-14	Fine sand	SC-SM	A-3	0	0	100	100	75-95	3-10	0-14	NP
	14-22	Sand, fine sand	SP, SP-SM	A-3	0	0	100	100	85-95	3-10	0-14	NP
	22-42	Sand, fine sand, loamy fine sand	SM, SC-SM	A-2-4, A-3	0	0	100	100	85-95	5-20	0-14	NP
	42-72	Sand, fine sand	SP, SP-SM	A-3	0	0	100	100	80-90	2-10	0-14	NP
Su:												
St. Johns-------	0-14	Fine sand	SC-SM	A-3	0	0	100	100	75-95	3-10	0-14	NP
	14-22	Sand, fine sand	SP, SP-SM	A-3	0	0	100	100	85-95	3-10	0-14	NP
	22-42	Sand, fine sand, loamy fine sand	SM, SC-SM	A-2-4, A-3	0	0	100	100	85-95	5-20	0-14	NP
	42-72	Sand, fine sand	SP, SP-SM	A-3	0	0	100	100	80-90	2-10	0-14	NP
Sw:												
Swamp----------	0-39		PT	A-8	---	---	---	---	---	---	0-14	---
	39-60	Sand, gravelly sand	GP-GM, GW, SP-SM, SW	A-1	0	0	40-100	35-100	20-50	4-10	15-20	NP-3

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	
Tm:												
Tidal Marsh-----	0-16	Mucky peat	PT	A-8	0	0	---	---	---	---	0-14	---
	16-41		PT	A-8	0	0	---	---	---	---	0-14	---
	41-63	Stratified loamy sand to clay	CL, ML, SC, SM	A-2, A-4, A-6	0	0	100	100	95-100	15-95	15-40	NP-20
	63-80	Variable			---	---	---	---	---	---	---	---
WfA:												
Woodstown-------	0-11	Fine sandy loam	CL-ML, SC-SM, SM	A-2, A-4	0	0	90-100	80-100	60-95	30-75	15-28	NP-7
	11-29	Sandy clay loam, loam, sandy loam	CL, CL-ML, ML, SM	A-4, A-6, A-2	0	0	90-100	70-100	45-90	25-60	15-32	NP-20
	29-70	Stratified gravelly sand to sandy loam	SC-SM, SM, SP-SM	A-1, A-2, A-2-4, A-3	0	0	80-100	70-95	35-55	5-25	15-26	NP-6
WfB:												
Woodstown-------	0-11	Fine 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
WoA:												
Woodstown-------	0-11	Loam	CL-ML, ML, SC-SM, SM	A-4, A-6	0	0	90-100	85-100	60-95	30-75	15-30	NP-11
	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

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	
WsA:												
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
WsB:												
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