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: 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	
Bp:												
Bestpitch-------	0-5	Peat	PT	A-8	0	0	---	---	---	---	---	---
	5-25	Mucky peat, muck	PT	A-8	0	0	---	---	---	---	---	---
	25-37	Muck, mucky peat	PT	A-8	0	0	---	---	---	---	---	---
	37-72	Silty clay, silty clay loam	CH, CL	A-6, A-7	0	0	100	100	100	70-95	35-60	20-35
Ca:												
Carmichael------	0-15	Loam	CL-ML, ML	A-4	0	0	95-100	95-100	55-95	45-85	10-30	NP-10
	15-19	Loam, silt loam	CL, CL-ML, ML	A-4	0	0	95-100	95-100	60-95	50-90	10-30	NP-10
	19-33	Loam, silt loam, fine sandy loam	CL-ML, ML	A-4	0	0	95-100	95-100	50-95	35-90	10-30	NP-10
	33-72	Stratified sand to sandy loam	SC, SM, SP-SM	A-2, A-3, A-4, A-6	0	0	85-100	80-100	20-75	5-40	0-30	NP-15
Carmichael------	0-15	Loam	CL-ML, ML	A-4	0	0	95-100	95-100	55-95	45-85	10-30	NP-10
	15-19	Loam, silt loam	CL, CL-ML, ML	A-4	0	0	95-100	95-100	60-95	50-90	10-30	NP-10
	19-33	Loam, silt loam, fine sandy loam	CL-ML, ML	A-4	0	0	95-100	95-100	50-95	35-90	10-30	NP-10
	33-62	Stratified sand to sandy loam	SC, SM, SP-SM	A-2, A-3, A-4, A-6	0	0	85-100	80-100	20-75	5-40	0-30	NP-15
Co:												
Corsica---------	0-12	Mucky loam	CL-ML, ML, OL	A-4	0	0	95-100	95-100	70-90	45-90	10-20	NP-5
	12-18	Sandy loam, loam, silt loam	CL-ML, SC, SC-SM	A-2-4, A-4, A-2	0	0	95-100	95-100	40-90	30-90	10-20	5-10
	18-40	Clay loam, sandy clay loam, loam, sandy loam	CL, CL-ML, SC, SC-SM	A-4, A-6	0	0	95-100	95-100	75-95	35-75	20-30	5-15
	40-48	Sandy loam, sandy clay loam, gravelly loam	CL, CL-ML, SC	A-2, A-4	0	0	55-100	45-100	40-95	20-75	0-30	NP-10
	48-72	Stratified gravelly sand to clay loam	SC-SM, SM, SP-SM	A-1, A-3, A-4, A-6	0	0	45-100	45-100	20-90	5-85	0-40	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	
Corsica---------	0-12	Mucky loam	CL-ML, ML, OL	A-4	0	0	95-100	95-100	70-90	45-90	10-20	NP-5
	12-18	Sandy loam, loam, silt loam	CL-ML, SC, SC-SM	A-2, A-2-4, A-4	0	0	95-100	95-100	40-90	30-90	10-20	5-10
	18-40	Clay loam, sandy clay loam, loam, sandy loam	CL, CL-ML, SC, SC-SM	A-4, A-6	0	0	95-100	95-100	75-95	35-75	20-30	5-15
	40-48	Sandy loam, sandy clay loam, gravelly loam	CL, CL-ML, SC	A-2, A-4	0	0	55-100	45-100	40-95	20-75	0-30	NP-10
	48-72	Stratified gravelly sand to clay loam	SC-SM, SM, SP-SM	A-1, A-3, A-4, A-6	0	0	45-100	45-100	20-90	5-85	0-40	NP-15
DhC:												
Downer----------	0-5	Sandy loam	SC-SM, SM	A-2, A-4	0	0	80-100	75-100	50-70	25-45	15-20	NP-4
	5-28	Sandy loam	SC, SC-SM, SM	A-2, A-4	0	0	80-100	75-100	45-70	25-40	15-25	NP-8
	28-40	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
	40-72	Stratified gravelly sand to loamy sand	SC, SC-SM, SM, SP-SM	A-4, A-1, A-2, A-3	0	0	75-100	70-100	35-90	5-55	10-30	NP-10
Hammonton-------	0-11	Sandy loam	SC-SM, SM	A-2, A-4	0	0	90-100	85-100	50-70	25-40	15-20	NP-4
	11-24	Sandy loam, gravelly sandy loam	SC, SC-SM	A-1, A-2, A-4	0	0	80-100	70-100	40-90	20-40	20-25	4-8
	24-72	Stratified very gravelly sand to sandy clay loam	GM, SC-SM, SM, SP-SM	A-1, A-2, A-3, A-4	0	0	60-100	45-100	20-80	5-50	10-30	NP-10
DoB:												
Downer----------	0-6	Sandy loam	SC-SM, SM	A-2, A-4	0	0	80-100	75-100	50-70	25-45	15-20	NP-4
	6-30	Sandy loam	SC, SC-SM, SM	A-2, A-4	0	0	80-100	75-100	45-70	25-40	15-25	NP-8
	30-38	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
	38-72	Stratified gravelly sand to loamy sand	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

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	
DOE:												
Downer----------	0-10	Loamy sand, sandy loam	SM, SP-SM	A-1, A-2	0	0	80-100	75-100	40-75	10-30	15-20	NP-4
	10-22	Sandy loam	SC, SC-SM, SM	A-2, A-4	0	0	80-100	75-100	45-70	25-40	15-25	NP-8
	22-60	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
	60-72	Stratified gravelly sand to loamy sand	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
DUD:												
Downer----------	0-12	Sandy loam	SC-SM, SM	A-2, A-4	0	0	80-100	75-100	50-70	25-45	15-20	NP-4
	12-24	Sandy loam	SC, SC-SM, SM	A-2, A-4	0	0	80-100	75-100	45-70	25-40	15-25	NP-8
	24-54	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
	54-72	Stratified gravelly sand to loamy sand	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
Unicorn---------	0-6	Loam	CL-ML, ML	A-4	0	0	95-100	90-100	70-95	50-85	10-25	NP-10
	6-28	Silt loam, loam	CL-ML, ML	A-4	0	0	95-100	90-100	70-90	55-85	15-30	NP-10
	28-47	Sandy loam, loam	ML, SC-SM, SM	A-4	0	0	85-100	85-100	60-85	40-70	10-20	NP-10
	47-68	Loamy sand, sand, gravelly sandy loam	SC-SM, SM	A-1, A-2	0	0	80-100	65-100	30-85	15-35	5-10	NP-5
	68-72	Stratified gravelly loamy sand to silt loam	CL-ML, ML, SM	A-2, A-4, A-6	0	0	75-100	65-100	30-95	20-90	5-30	NP-15
Fg:												
Fallsington-----	0-16	Loam, sandy loam	CL-ML, ML, SC-SM, SM	A-4	0	0	95-100	90-100	65-90	40-70	0-20	NP-10
	16-37	Clay 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	0-30	NP-15
	37-72	Stratified sand to sandy clay loam	CL, CL-ML, SM, SP-SM	A-2, A-3, A-4	0	0	95-100	90-100	50-85	5-55	0-30	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	
Fallsington-----	0-10	Loam, sandy loam	CL-ML, ML, SC-SM, SM	A-4	0	0	95-100	90-100	65-90	40-70	0-20	NP-10
	10-32	Sandy loam, loam, sandy clay loam	ML, SC, SM, CL	A-2, A-4, A-6	0	0	95-100	90-100	65-85	30-55	0-30	NP-15
	32-72	Stratified sand to sandy clay loam	CL, CL-ML, SM, SP-SM	A-2, A-3, A-4	0	0	95-100	90-100	50-85	5-55	0-30	NP-15
FmA:												
Fort Mott-------	0-22	Loamy sand	SM, SP-SM	A-2	0	0	90-100	85-100	50-90	10-25	15-20	NP-3
	22-60	Sandy loam, sandy clay loam	SC, SC-SM, SM	A-2, A-4, A-6	0	0	90-100	80-100	50-90	25-45	20-35	3-12
	60-72	Sand, loamy sand, stratified gravelly sandy loam	SC-SM, SM, SP-SM	A-1, A-2, A-3	0	0	80-100	75-100	40-80	5-35	15-25	NP-6
FmB:												
Fort Mott-------	0-26	Loamy sand	SM, SP-SM	A-2	0	0	90-100	85-100	50-90	10-25	15-20	NP-3
	26-44	Sandy loam, sandy clay loam, coarse sandy loam	SC, SC-SM, SM	A-2, A-4, A-6	0	0	90-100	80-100	50-90	25-45	20-35	3-12
	44-72	Sand, loamy sand, stratified gravelly sandy loam	SC-SM, SM, SP-SM	A-1, A-2, A-3	0	0	80-100	75-100	40-80	5-35	15-25	NP-6
GfB:												
Galestown-------	0-10	Loamy sand	SM, SP-SM	A-1, A-2, A-3	0	0	95-100	75-100	45-70	4-20	0-14	NP
	10-32	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
	32-72	Sand, loamy sand, gravelly sand	SP, SP-SM	A-1, A-2, A-3	0	0	75-100	55-100	30-75	4-10	0-14	NP

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
Fort Mott-------	0-22	Loamy sand	SM, SP-SM	A-2	0	0	90-100	85-100	50-90	10-25	15-20	NP-3
	22-40	Sandy loam, sandy clay loam, coarse sandy loam	SC, SC-SM, SM	A-2, A-4, A-6	0	0	90-100	80-100	50-90	25-45	20-35	3-12
	40-72	Stratified gravelly sandy loam	SC-SM, SM, SP-SM	A-1, A-2, A-3	0	0	80-100	75-100	40-80	5-35	15-25	NP-6
GfC:												
Galestown-------	0-10	Loamy sand	SM, SP-SM	A-1, A-2, A-3	0	0	95-100	75-100	45-70	4-20	0-14	NP
	10-32	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
	32-72	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
Fort Mott-------	0-26	Loamy sand	SM, SP-SM	A-2	0	0	90-100	85-100	50-90	10-25	15-20	NP-3
	26-44	Sandy loam, sandy clay loam, coarse sandy loam	SC, SC-SM, SM	A-2, A-4, A-6	0	0	90-100	80-100	50-90	25-45	20-35	3-12
	44-72	Sand, loamy sand, stratified gravelly sandy loam	SC-SM, SM, SP-SM	A-1, A-2, A-3	0	0	80-100	75-100	40-80	5-35	15-25	NP-6
GrA:												
Greenwich-------	0-12	Loam	CL-ML, ML, SM	A-4	0	0	85-100	80-100	70-95	35-60	8-25	NP-10
	12-38	Loam, sandy loam	CL, CL-ML, ML, SM	A-4	0	0	85-100	80-100	70-95	40-75	12-32	NP-10
	38-47	Sandy loam, loamy sand	SC, SC-SM, SM	A-2, A-4	0	0	85-100	75-100	50-85	25-40	10-20	NP-8
	47-72	Loamy sand, loamy coarse sand, coarse sand	SM, SP	A-1, A-2, A-3	0	0	80-100	70-100	30-80	2-30	5-12	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	
HnA:												
Hammonton-------	0-11	Sandy loam	SC-SM, SM	A-2, A-4	0	0	90-100	85-100	50-70	25-40	15-20	NP-4
	11-24	Sandy loam, gravelly sandy loam	SC, SC-SM	A-1, A-2, A-4	0	0	80-100	70-100	40-90	20-40	20-25	4-8
	24-72	Stratified loamy sand to sandy loam to sandy clay loam	GM, SC-SM, SM	A-4, A-1, A-2	0	0	75-100	70-100	40-80	20-50	10-30	NP-10
HnB:												
Hammonton-------	0-11	Sandy loam	SC-SM, SM	A-2, A-4	0	0	90-100	85-100	50-70	25-40	15-20	NP-4
	11-24	Sandy loam, gravelly sandy loam	SC, SC-SM	A-1, A-2, A-4	0	0	80-100	70-100	40-90	20-40	20-25	4-8
	24-72	Stratified loamy sand to sandy loam to sandy clay loam	GM, SC-SM, SM	A-1, A-2, A-4	0	0	75-100	70-100	40-80	20-50	10-30	NP-10
Ho:												
Honga----------	0-12	Peat	PT	A-8	0	0	---	---	---	---	---	---
	12-19	Mucky peat, muck	PT	A-8	0	0	---	---	---	---	---	---
	19-26	Loam, sandy loam	CL, CL-ML, SC-SM	A-4	0	0	85-100	80-100	50-95	25-75	20-33	5-20
	26-72	Silty clay loam, clay loam, sandy clay loam	ML	A-6, A-7	0	0	100	100	90-100	80-95	35-50	NP-15
Hr:												
Hurlock---------	0-10	Sandy loam	SC-SM, SM, SP-SM	A-1, A-2	0	0	100	90-100	40-90	10-35	0-25	NP-10
	10-31	Sandy loam	SC, SC-SM, SM	A-1, A-2, A-4	0	0	90-100	90-95	40-90	20-50	10-25	NP-10
	31-72	Sand, loamy sand, loamy coarse sand	SM, SP-SM	A-1, A-2	0	0	80-100	75-100	20-70	5-30	0-20	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	
Hurlock---------	0-3	Sandy loam	SC-SM, SM, SP-SM	A-1, A-2	0	0	100	90-100	40-90	10-35	0-25	NP-10
	3-22	Sandy loam	SC, SC-SM, SM	A-1, A-2, A-4	0	0	90-100	90-95	40-90	20-50	10-25	NP-10
	22-60	Sand, loamy sand, loamy coarse sand	SM, SP-SM	A-1, A-2	0	0	80-100	75-100	20-70	5-30	0-20	NP-5
	60-66	Stratified very fine sandy loam to silty clay loam	CL, CL-ML, ML, SC	A-4, A-6	0	0	90-100	75-95	70-90	40-80	10-30	NP-15
IgA:												
Ingleside-------	0-8	Sandy loam	SC, SM, SP-SM	A-1, A-2	0	0	90-100	80-100	40-75	10-35	10-30	NP-15
	8-26	Sandy loam, sandy clay loam	SC, SC-SM, SM	A-2, A-4	0	0	90-100	80-100	50-90	20-40	10-25	NP-10
	26-72	Loamy sand, sand, sandy loam	SM, SP-SM	A-1, A-2	0	0	80-100	60-100	20-70	5-30	15-20	NP-5
IgB:												
Ingleside-------	0-10	Sandy loam	SC, SM, SP-SM	A-1, A-2	0	0	90-100	80-100	40-75	10-35	10-30	NP-15
	10-38	Sandy loam, sandy clay loam	SC, SC-SM, SM	A-2, A-4	0	0	90-100	80-100	50-90	20-40	10-25	NP-10
	38-59	Loamy sand, sand, loamy fine sand	SM, SP-SM	A-1, A-2	0	0	80-100	60-100	20-70	5-30	15-20	NP-5
	59-72	Stratified loamy sand to sandy loam to loam	CL, CL-ML, SC-SM	A-4, A-6	0	0	95-100	90-100	70-90	40-85	10-30	5-15
IgC:												
Ingleside-------	0-4	Sandy loam	SC, SM, SP-SM	A-1, A-2	0	0	90-100	80-100	40-75	10-35	10-30	NP-15
	4-36	Sandy loam, sandy clay loam	SC, SC-SM, SM	A-2, A-4	0	0	90-100	80-100	50-90	20-40	10-25	NP-10
	36-60	Loamy sand, sand, loamy fine sand	SM, SP-SM	A-1, A-2	0	0	80-100	60-100	20-70	5-30	15-20	NP-5
	60-72	Stratified loamy sand to sandy loam to loam	CL, CL-ML, SC-SM	A-4, A-6	0	0	95-100	90-100	70-90	40-85	10-30	5-15

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	
Kn:												
Kentuck---------	0-10	Mucky silt loam	CL-ML, ML, OL	A-4, A-8	0	0	100	100	90-100	75-90	25-35	5-10
	10-14	Silt loam	CL, CL-ML	A-4, A-6	0	0	100	100	90-100	75-90	25-40	5-15
	14-72	Silt loam, silty clay loam	CL	A-6, A-7	0	0	100	100	90-100	75-95	35-45	15-20
Lo:												
Longmarsh-------	0-19	Mucky loam	CL-ML, OL, SM	A-2-4, A-4	0	0	85-100	75-100	40-90	15-70	15-20	NP-5
	19-34	Sandy loam, loamy sand, fine sandy loam, gravelly sandy loam	SM, SP-SM	A-1, A-2-4, A-4	0	0	75-100	45-100	25-90	10-45	8-20	NP-6
	34-66	Stratified gravelly loamy sand to coarse sand	SM, SP, SP-SM	A-1, A-2-4, A-3	0	0	75-100	45-100	10-75	0-30	0-0	NP
LZ:												
Longmarsh-------	0-19	Mucky loam	CL-ML, OL, SM	A-2-4, A-4	0	0	85-100	75-100	40-90	15-70	15-20	NP-5
	19-34	Gravelly sandy loam, sandy loam, loamy sand, fine sandy loam	SM, SP-SM	A-1, A-2-4, A-4	0	0	75-100	45-100	25-90	10-45	8-20	NP-6
	34-66	Stratified gravelly loamy sand to coarse sand	SM, SP, SP-SM	A-1, A-2-4, A-3	0	0	75-100	45-100	10-75	0-30	0-0	NP
Zekiah----------	0-4	Silt loam	CL-ML, ML	A-4	0	0	100	100	70-100	45-100	15-25	NP-10
	4-17	Silt loam, loam	CL-ML, ML	A-4	0	0	100	100	70-100	45-100	15-25	NP-10
	17-40	Stratified very gravelly coarse sand to loamy sand to sandy loam	SM	A-2, A-2-4, A-4	0	0	90-100	75-100	50-95	25-75	15-26	NP-10
	40-56	Mucky sandy loam, sandy loam, mucky loam	SM	A-2-4, A-4	0	0	90-100	75-100	50-70	25-45	15-26	NP-10
	56-72	Loam, sandy loam, silt loam, very gravelly loamy sand	CL-ML, ML, SM	A-2-4, A-4	0	0	90-100	75-100	35-70	25-50	15-25	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	
M-W:												
Water----------	---	---	---	---	---	---	---	---	---	---	---	---
MkA:												
Matapeake-------	0-12	Silt loam	CL, CL-ML, ML	A-4	0	0	100	100	80-100	80-100	20-33	3-9
	12-64	Silt loam, silty clay loam, loam	CL	A-6	0	0	100	100	80-100	80-100	27-45	10-22
	64-72	Sandy loam, loamy sand, sand	SM	A-2, A-3, A-4	0	0	95-100	90-100	55-70	5-40	0-19	NP-3
MkB:												
Matapeake-------	0-10	Silt loam	CL, CL-ML, ML	A-4	0	0	100	100	80-100	80-100	20-33	3-9
	10-62	Silt loam, silty clay loam, loam	CL	A-6	0	0	100	100	80-100	80-100	27-45	10-22
	62-72	Sandy loam, loamy sand, sand	SM	A-2, A-3, A-4	0	0	95-100	90-100	55-70	5-40	0-19	NP-3
MkC:												
Matapeake-------	0-10	Silt loam	CL, CL-ML, ML	A-4	0	0	100	100	80-100	80-100	20-33	3-9
	10-62	Silt loam, silty clay loam, loam	CL	A-6	0	0	100	100	80-100	80-100	27-45	10-22
	62-72	Sandy loam, loamy sand, sand	SM	A-2, A-3, A-4	0	0	95-100	90-100	55-70	5-40	0-19	NP-3
MtA:												
Mattapex--------	0-12	Silt loam	CL, CL-ML	A-4	0	0	95-100	90-100	80-100	80-100	15-30	5-15
	12-37	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
	37-72	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	0-40	NP-18

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas-ticity index
	In				Pct	Pct					Pct	
Butlertown------	0-11	Silt loam	ML	A-4	0	0	100	95-100	90-100	85-100	22-35	2-8
	11-16	Silt loam, silty clay loam, very fine sandy loam	CL, ML	A-4, A-6	0	0	100	95-100	90-100	85-100	33-40	9-16
	16-48	Silt loam, fine sandy loam, loam	CL, CL-ML	A-4, A-6	0	0	100	95-100	90-100	85-100	22-38	6-16
	48-72	Silt loam, loamy fine sand, loam	CL-ML, ML, SM	A-2, A-4	0	0	90-100	85-100	75-100	30-90	0-30	NP-10
MtB:												
Mattapex--------	0-12	Silt loam	CL, CL-ML	A-4	0	0	95-100	90-100	80-100	80-100	15-30	5-15
	12-37	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
	37-72	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	0-40	NP-18
Butlertown------	0-16	Silt loam	ML	A-4	0	0	100	95-100	90-100	85-100	22-35	2-8
	16-29	Silt loam, silty clay loam, very fine sandy loam	CL, ML	A-4, A-6	0	0	100	95-100	90-100	85-100	33-40	9-16
	29-48	Silt loam, fine sandy loam, loam	CL, CL-ML	A-4, A-6	0	0	100	95-100	90-100	85-100	22-38	6-16
	48-72	Silt loam, loamy fine sand, loam	CL-ML, ML, SM	A-2, A-4	0	0	90-100	85-100	75-100	30-90	0-30	NP-10
MtC:												
Mattapex--------	0-12	Silt loam	CL, CL-ML	A-4	0	0	95-100	90-100	80-100	80-100	15-30	5-15
	12-37	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
	37-72	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	0-40	NP-18

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
NsA:												
Nassawango------	0-10	Silt loam	CL-ML, SC-SM	A-4	0	0	95-100	90-100	80-100	80-100	20-33	3-9
	10-40	Silty clay loam, silt loam	CL	A-6, A-7	0	0	100	100	80-100	80-100	27-45	10-22
	40-72	Fine sand, sandy loam, silt loam, loamy sand	SC-SM, SM	A-4	0	0	95-100	90-95	50-90	15-85	15-30	2-9
NsB:												
Nassawango------	0-8	Silt loam	CL-ML, SC-SM	A-4	0	0	95-100	90-100	80-100	80-100	20-33	3-9
	8-40	Silty clay loam, silt loam	CL	A-6, A-7	0	0	100	100	80-100	80-100	27-45	10-22
	40-72	Fine sand, sandy loam, silt loam, loamy sand	SC-SM, SM	A-4	0	0	95-100	90-95	50-90	15-85	15-30	2-9
Ot:												
Othello---------	0-12	Silt loam	CL, CL-ML, ML, SM	A-4, A-6	0	0	100	100	70-100	40-95	20-35	NP-15
	12-38	Silty clay loam, silt loam	CL	A-6	0	0	100	100	90-100	70-95	29-40	10-19
	38-72	Sand, loamy sand, loamy fine sand	SM, SP-SM	A-1, A-2	0	0	90-100	85-100	20-50	5-35	0-10	NP-5
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	0-10	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	
PiA:												
Pineyneck-------	0-14	Silt loam	CL, CL-ML, ML	A-4	0	0	90-100	80-100	75-95	50-80	10-30	NP-10
	14-27	Loam, silt loam	CL, CL-ML, ML	A-4	0	0	90-100	80-100	75-95	50-80	10-30	NP-10
	27-32	Loam, fine sandy loam, sandy loam	CL, CL-ML, ML, SC-SM	A-2-4, A-4	0	0	90-100	80-100	70-85	25-80	10-30	NP-10
	32-47	Loamy sand, sand, loamy fine sand	SC-SM, SM	A-2-4	0	0	90-100	80-100	60-90	20-30	0-10	NP-5
	47-72	Stratified sandy loam to loam to silt loam	CL, CL-ML, ML, SC-SM	A-2-4, A-2-6, A-6	0	0	90-100	80-100	65-95	20-80	0-30	NP-15
PiB:												
Pineyneck-------	0-14	Silt loam	CL, CL-ML, ML	A-4	0	0	90-100	80-100	75-95	50-80	10-30	NP-10
	14-27	Loam, silt loam	CL, CL-ML, ML	A-4	0	0	90-100	80-100	75-95	50-80	10-30	NP-10
	27-32	Loam, fine sandy loam, sandy loam	CL, CL-ML, ML, SC-SM	A-2-4, A-4	0	0	90-100	80-100	70-85	25-80	10-30	NP-10
	32-47	Loamy sand, sand, loamy fine sand	SC-SM, SM	A-2-4	0	0	90-100	80-100	60-90	20-30	0-10	NP-5
	47-72	Stratified sandy loam to loam to silt loam	CL, CL-ML, ML, SC-SM	A-2-4, A-2-6, A-6	0	0	90-100	80-100	65-95	20-80	0-30	NP-15
PiC:												
Pineyneck-------	0-14	Silt loam	CL, CL-ML, ML	A-4	0	0	90-100	80-100	75-95	50-80	10-30	NP-10
	14-27	Loam, silt loam	CL, CL-ML, ML	A-4	0	0	90-100	80-100	75-95	50-80	10-30	NP-10
	27-32	Loam, fine sandy loam, sandy loam	CL, CL-ML, ML, SC-SM	A-2-4, A-4	0	0	90-100	80-100	70-85	25-80	10-30	NP-10
	32-47	Loamy sand, sand, loamy fine sand	SC-SM, SM	A-2-4	0	0	90-100	80-100	60-90	20-30	0-10	NP-5
	47-72	Stratified sandy loam to loam to silt loam	SC-SM, CL, CL-ML, ML	A-2-4, A-2-6, A-6	0	0	90-100	80-100	65-95	20-80	0-30	NP-15
Pk:												
Puckum----------	0-12	Mucky peat	PT	A-8	0	0	---	---	---	---	---	---
	12-72	Muck, mucky peat	PT	A-8	0	0	---	---	---	---	---	---

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	
UbB:												
Udorthents------	0-2	Sandy loam	ML, SC-SM, SM	A-2, A-4	0	0-5	85-100	80-100	50-85	25-55	15-25	NP-5
	2-65	Sandy loam, loam	CL, CL-ML	A-4, A-6	0	0-5	85-100	80-100	70-95	50-75	15-30	5-15
UdB:												
Udorthents------	0-2	Sandy loam	ML, SC-SM, SM	A-2, A-4	0	0-5	85-100	80-100	50-85	25-55	15-25	NP-5
	2-65	Sandy loam, loam	CL, CL-ML	A-4, A-6	0	0-5	85-100	80-100	70-95	50-75	15-30	5-15
UlB:												
Udorthents, Landfill-------	---	---	---	---	---	---	---	---	---	---	---	---
UoA:												
Unicorn---------	0-11	Silt loam	CL-ML, ML	A-4	0	0	95-100	90-100	70-95	50-85	10-25	NP-10
	11-24	Silt loam, loam	CL-ML, ML	A-4	0	0	95-100	90-100	70-90	55-85	15-30	NP-10
	24-35	Sandy loam, loam	ML, SC-SM, SM	A-4	0	0	85-100	85-100	60-85	40-70	10-20	NP-10
	35-51	Loamy sand, sand, gravelly sandy loam	SC-SM, SM	A-1, A-2	0	0	80-100	65-100	30-85	15-35	5-10	NP-5
	51-72	Stratified gravelly loamy sand to silt loam	CL-ML, ML, SM	A-2, A-4, A-6	0	0	75-100	65-100	30-95	20-90	5-30	NP-15
UoB:												
Unicorn---------	0-10	Silt loam	CL-ML, ML	A-4	0	0	95-100	90-100	70-95	50-85	10-25	NP-10
	10-20	Silt loam, loam	CL-ML, ML	A-4	0	0	95-100	90-100	70-90	55-85	15-30	NP-10
	20-28	Sandy loam, loam	ML, SC-SM, SM	A-4	0	0	85-100	85-100	60-85	40-70	10-20	NP-10
	28-38	Loamy sand, sand, gravelly sandy loam	SC-SM, SM	A-1, A-2	0	0	80-100	65-100	30-85	15-35	5-10	NP-5
	38-72	Stratified gravelly loamy sand to silt loam	CL-ML, ML, SM	A-2, A-4, A-6	0	0	75-100	65-100	30-95	20-90	5-30	NP-15
Ur:												
Urban Land------	---	---	---	---	---	---	---	---	---	---	---	---

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	
UsA:												
Unicorn---------	0-11	Loam	CL-ML, ML	A-4	0	0	95-100	90-100	70-95	50-85	10-25	NP-10
	11-24	Silt loam, loam	CL-ML, ML	A-4	0	0	95-100	90-100	70-90	55-85	15-30	NP-10
	24-35	Sandy loam, loam	ML, SC-SM, SM	A-4	0	0	85-100	85-100	60-85	40-70	10-20	NP-10
	35-51	Loamy sand, sand, gravelly sandy loam	SC-SM, SM	A-1, A-2	0	0	80-100	65-100	30-85	15-35	5-10	NP-5
	51-72	Stratified gravelly loamy sand to silt loam	CL-ML, ML, SM	A-2, A-4, A-6	0	0	75-100	65-100	30-95	20-90	5-30	NP-15
Sassafras-------	0-10	Loam	CL, CL-ML, ML	A-4	0	0	85-100	80-100	70-95	50-75	12-32	NP-10
	10-50	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
	50-72	Stratified sand to loamy 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	0-26	NP-8
UsB:												
Unicorn---------	0-10	Loam	CL-ML, ML	A-4	0	0	95-100	90-100	70-95	50-85	10-25	NP-10
	10-20	Silt loam, loam	CL-ML, ML	A-4	0	0	95-100	90-100	70-90	55-85	15-30	NP-10
	20-28	Sandy loam, loam	ML, SC-SM, SM	A-4	0	0	85-100	85-100	60-85	40-70	10-20	NP-10
	28-38	Loamy sand, sand, gravelly sandy loam	SC-SM, SM	A-1, A-2	0	0	80-100	65-100	30-85	15-35	5-10	NP-5
	38-72	Stratified gravelly loamy sand to silt loam	CL-ML, ML, SM	A-2, A-4, A-6	0	0	75-100	65-100	30-95	20-90	5-30	NP-15
Sassafras-------	0-10	Loam	CL, CL-ML, ML	A-4	0	0	85-100	80-100	70-95	50-75	12-32	NP-10
	10-50	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
	50-72	Stratified sand to loamy 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	0-26	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	
UsC:												
Unicorn---------	0-10	Loam	CL-ML, ML	A-4	0	0	95-100	90-100	70-95	50-85	10-25	NP-10
	10-21	Silt loam, loam	CL-ML, ML	A-4	0	0	95-100	90-100	70-90	55-85	15-30	NP-10
	21-38	Sandy loam, loam	ML, SC-SM, SM	A-4	0	0	85-100	85-100	60-85	40-70	10-20	NP-10
	38-60	Loamy sand, sand, gravelly sandy loam	SC-SM, SM	A-1, A-2	0	0	80-100	65-100	30-85	15-35	5-10	NP-5
	60-72	Stratified gravelly loamy sand to silt loam	CL-ML, ML, SM	A-2, A-4, A-6	0	0	75-100	65-100	30-95	20-90	5-30	NP-15
Sassafras-------	0-6	Loam	CL, CL-ML, ML	A-4	0	0	85-100	80-100	70-95	50-75	12-32	NP-10
	6-34	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
	34-72	Stratified sand to loamy 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	0-26	NP-8
W:												
Water----------	---	---	---	---	---	---	---	---	---	---	---	---
Wh:												
Whitemarsh------	0-12	Silt loam	CL-ML, ML	A-4	0	0	100	100	80-100	80-95	10-20	NP-5
	12-62	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	90-100	85-95	20-40	5-15
	62-72	Stratified sand to loamy sand to loam to silty clay loam	CL, CL-ML, ML	A-4	0	0	100	95-100	65-100	65-90	0-30	NP-10