(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	
1B:												
Gaila----------	0-8	Silt loam	CL, CL-ML	A-4, A-6	---	0-5	80-100	75-95	65-90	50-70	15-30	6-12
	8-17	Sandy clay loam, loam, sandy loam	CL, SC	A-2, A-4, A-6	---	0-5	80-100	75-95	50-90	25-70	20-35	8-15
	17-20	Sandy loam, loam	CL, CL-ML, SC, SC-SM	A-2, A-4, A-6	---	0-10	80-95	70-95	45-90	25-70	15-30	6-12
	20-76	Loamy sand, sandy loam, loam	CL-ML, SC, SC-SM	A-4, A-1, A-2	---	0-10	80-95	70-95	40-90	15-65	15-30	NP-10
1C:												
Gaila----------	0-8	Silt loam	CL, CL-ML	A-4, A-6	---	0-5	80-100	75-95	65-90	50-70	15-30	6-12
	8-17	Sandy clay loam, loam, sandy loam	CL, SC	A-2, A-4, A-6	---	0-5	80-100	75-95	50-90	25-70	20-35	8-15
	17-20	Sandy loam, loam	CL, CL-ML, SC, SC-SM	A-2, A-4, A-6	---	0-10	80-95	70-95	45-90	25-70	15-30	6-12
	20-76	Loamy sand, sandy loam, loam	CL-ML, SC, SC-SM	A-1, A-2, A-4	---	0-10	80-95	70-95	40-90	15-65	15-30	NP-10
2A:												
Glenelg---------	0-8	Silt loam	ML	A-4, A-6	0	0	85-100	80-100	70-100	50-75	32-40	7-12
	8-28	Channery silt loam, silty clay loam, loam	GM, ML, SM	A-4, A-6, A-7	---	0-10	60-100	50-100	45-100	35-95	34-46	9-15
	28-60	Loam, sandy loam, channery loam	GM, ML, SM	A-2, A-4	---	0-50	60-100	50-100	40-95	25-75	15-40	NP-6
2B:												
Glenelg---------	0-8	Silt loam	ML	A-4, A-6	0	0	85-100	80-100	70-100	50-75	32-40	7-12
	8-28	Channery silt loam, silty clay loam, loam	GM, ML, SM	A-4, A-6, A-7	---	0-10	60-100	50-100	45-100	35-95	34-46	9-15
	28-60	Loam, sandy loam, channery loam	GM, ML, SM	A-2, A-4	---	0-50	60-100	50-100	40-95	25-75	15-40	NP-6

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	
2C:												
Glenelg---------	0-8	Silt loam	ML	A-4, A-6	0	0	85-100	80-100	70-100	50-75	32-40	7-12
	8-28	Channery silt loam, silty clay loam, loam	GM, ML, SM	A-4, A-6, A-7	---	0-10	60-100	50-100	45-100	35-95	34-46	9-15
	28-60	Loam, sandy loam, channery loam	GM, ML, SM	A-2, A-4	---	0-50	60-100	50-100	40-95	25-75	15-40	NP-6
2UB:												
Glenelg---------	0-8	Silt loam	ML	A-4, A-6	0	0	85-100	80-100	70-100	50-75	32-40	7-12
	8-28	Channery silt loam, silty clay loam, loam	GM, ML, SM	A-4, A-6, A-7	---	0-10	60-100	50-100	45-100	35-95	34-46	9-15
	28-60	Loam, sandy loam, channery loam	GM, ML, SM	A-2, A-4	---	0-50	60-100	50-100	40-95	25-75	15-40	NP-6
Urban Land------	---	---	---	---	---	---	---	---	---	---	---	---
2UC:												
Glenelg---------	0-8	Silt loam	ML	A-4, A-6	0	0	85-100	80-100	70-100	50-75	32-40	7-12
	8-28	Channery silt loam, silty clay loam, loam	GM, ML, SM	A-4, A-6, A-7	---	0-10	60-100	50-100	45-100	35-95	34-46	9-15
	28-60	Loam, sandy loam, channery loam	GM, ML, SM	A-2, A-4	---	0-50	60-100	50-100	40-95	25-75	15-40	NP-6
Urban Land------	---	---	---	---	---	---	---	---	---	---	---	---
4B:												
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
	42-60	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	
4C:												
Elioak----------	0-15	Silt loam	SC, SM, ML, 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
	42-60	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
5A:												
Glenville-------	0-8	Silt loam	ML, SM	A-4	0	0	85-100	85-100	70-95	45-80	25-35	3-10
	8-30	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
	30-40	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
	40-70	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
5B:												
Glenville-------	0-8	Silt loam	ML, SM	A-4	0	0	85-100	85-100	70-95	45-80	25-35	3-10
	8-30	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
	30-40	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
	40-70	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	
6A:												
Baile----------	0-8	Silt loam	MH, ML	A-4, A-6, A-7	---	0-10	85-100	80-100	70-100	50-95	33-67	7-24
	8-31	Silty clay loam, silt loam, clay loam	CL	A-6	0	0	90-100	80-100	70-100	55-95	28-34	11-14
	31-62	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
7UB:												
Gaila----------	0-8	Silt loam	CL-ML, CL	A-4, A-6	---	0-5	80-100	75-95	65-90	50-70	15-30	6-12
	8-17	Sandy clay loam, loam, sandy loam	CL, SC	A-2, A-4, A-6	---	0-5	80-100	75-95	50-90	25-70	20-35	8-15
	17-20	Sandy loam, loam	CL, CL-ML, SC, SC-SM	A-2, A-4, A-6	---	0-10	80-95	70-95	45-90	25-70	15-30	6-12
	20-76	Loamy sand, sandy loam, loam	CL-ML, SC, SC-SM	A-1, A-2, A-4	---	0-10	80-95	70-95	40-90	15-65	15-30	NP-10
Urban Land------	---	---	---	---	---	---	---	---	---	---	---	---
7UC:												
Gaila----------	0-8	Silt loam	CL, CL-ML	A-4, A-6	---	0-5	80-100	75-95	65-90	50-70	15-30	6-12
	8-17	Sandy clay loam, loam, sandy loam	CL, SC	A-2, A-4, A-6	---	0-5	80-100	75-95	50-90	25-70	20-35	8-15
	17-20	Sandy loam, loam	CL, CL-ML, SC, SC-SM	A-2, A-4, A-6	---	0-10	80-95	70-95	45-90	25-70	15-30	6-12
	20-76	Loamy sand, sandy loam, loam	CL-ML, SC, SC-SM	A-1, A-2, A-4	---	0-10	80-95	70-95	40-90	15-65	15-30	NP-10
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	
9B:												
Linganore-------	0-11	Channery silt 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			---	---	---	---	---	---	---	---
Hyattstown------	0-9	Channery silt loam	GC-GM, GC, CL-ML, CL	A-2-4, A-4, A-6	---	0-5	55-80	50-75	40-75	30-70	20-30	5-15
	9-14	Very channery silt loam, very channery clay loam	GC, GM, SC, SM	A-2, A-6, A-7	---	0-5	40-85	30-55	25-55	20-50	30-50	10-20
	14-18	Extremely channery silt loam, very channery silt loam	GC, GC-GM, SC	A-1, A-2, A-4, A-6	---	5-10	25-85	10-55	10-55	7-45	20-30	5-15
	18-26	Weathered bedrock			---	---	---	---	---	---	---	---
	26-30	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	
9C:												
Linganore-------	0-11	Channery silt 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			---	---	---	---	---	---	---	---
Hyattstown------	0-9	Channery silt loam	CL, CL-ML, GC, GC-GM	A-2-4, A-4, A-6	---	0-5	55-80	50-75	40-75	30-70	20-30	5-15
	9-14	Very channery silt loam, very channery clay loam	GC, GM, SC, SM	A-2, A-6, A-7	---	0-5	40-85	30-55	25-55	20-50	30-50	10-20
	14-18	Extremely channery silt loam, very channery silt loam	GC, GC-GM, SC	A-1, A-2, A-4, A-6	---	5-10	25-85	10-55	10-55	7-45	20-30	5-15
	18-26	Weathered bedrock			---	---	---	---	---	---	---	---
	26-30	Unweathered bedrock			---	---	---	---	---	---	---	---
16B:												
Brinklow--------	0-10	Channery silt loam	CL, CL-ML, GC, GC-GM	A-4, A-6	---	5-15	60-95	50-75	50-65	40-55	20-35	5-15
	10-25	Loam, silty clay loam, channery silt loam	CL, GC, SC	A-6, A-7	---	5-15	60-95	50-90	50-85	35-70	25-50	10-25
	25-35	Weathered bedrock			---	---	---	---	---	---	---	---
	35-39	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	
Blocktown-------	0-6	Channery silt loam	CL, CL-ML, GC, GC-GM	A-2, A-4, A-6	---	0-10	65-85	55-75	45-70	30-65	15-30	5-15
	6-17	Very channery loam, very channery silty clay loam, extremely channery silt loam	GC, GM	A-2, A-6, A-7	---	5-10	30-60	25-55	20-50	15-45	30-50	10-20
	17-21	Weathered bedrock			---	---	---	---	---	---	---	---
	21-25	Unweathered bedrock			---	---	---	---	---	---	---	---
16C:												
Brinklow--------	0-10	Channery silt loam	CL, CL-ML, GC, GC-GM	A-4, A-6	---	5-15	60-95	50-75	50-65	40-55	20-35	5-15
	10-25	Loam, silty clay loam, channery silt loam	CL, GC, SC	A-6, A-7	---	5-15	60-95	50-90	50-85	35-70	25-50	10-25
	25-35	Weathered bedrock			---	---	---	---	---	---	---	---
	35-39	Unweathered bedrock			---	---	---	---	---	---	---	---
Blocktown-------	0-6	Channery silt loam	CL, CL-ML, GC, GC-GM	A-2, A-4, A-6	---	0-10	65-85	55-75	45-70	30-65	15-30	5-15
	6-17	Very channery loam, very channery silty clay loam, extremely channery silt loam	GC, GM	A-2, A-6, A-7	---	5-10	30-60	25-55	20-50	15-45	30-50	10-20
	17-21	Weathered bedrock			---	---	---	---	---	---	---	---
	21-25	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	
16D:												
Brinklow--------	0-10	Channery silt loam	GC-GM, CL, CL-ML, GC	A-4, A-6	---	5-15	60-95	50-75	50-65	40-55	20-35	5-15
	10-25	Loam, silty clay loam, channery silt loam	CL, GC, SC	A-6, A-7	---	5-15	60-95	50-90	50-85	35-70	25-50	10-25
	25-35	Weathered bedrock			---	---	---	---	---	---	---	---
	35-39	Unweathered bedrock			---	---	---	---	---	---	---	---
Blocktown-------	0-6	Channery silt loam	CL, CL-ML, GC, GC-GM	A-2, A-4, A-6	---	0-10	65-85	55-75	45-70	30-65	15-30	5-15
	6-17	Very channery loam, very channery silty clay loam, extremely channery silt loam	GC, GM	A-2, A-6, A-7	---	5-10	30-60	25-55	20-50	15-45	30-50	10-20
	17-21	Weathered bedrock			---	---	---	---	---	---	---	---
	21-25	Unweathered bedrock			---	---	---	---	---	---	---	---
17B:												
Occoquan--------	0-8	Loam	CL, CL-ML, ML	A-4, A-6	---	1-5	80-100	75-95	65-90	50-70	15-35	NP-15
	8-15	Loam, sandy loam, sandy clay loam	CL, SC	A-6	---	1-5	80-100	75-95	50-70	40-70	25-40	10-25
	15-59	Loam, sandy loam, loamy sand	CL, CL-ML, SC, SC-SM	A-2, A-4	---	2-10	80-95	75-80	50-70	15-65	15-25	NP-10
	59-63	Weathered bedrock			---	---	---	---	---	---	---	---
17C:												
Occoquan--------	0-8	Loam	ML, CL-ML, CL	A-4, A-6	---	1-5	80-100	75-95	65-90	50-70	15-35	NP-15
	8-15	Loam, sandy loam, sandy clay loam	CL, SC	A-6	---	1-5	80-100	75-95	50-70	40-70	25-40	10-25
	15-59	Loam, sandy loam, loamy sand	CL, CL-ML, SC, SC-SM	A-2, A-4	---	2-10	80-95	75-80	50-70	15-65	15-25	NP-10
	59-63	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	
18C:												
Penn----------	0-9	Very stony silt loam	GM, ML	A-4	1-5	3-15	60-100	50-100	45-95	35-85	0-14	---
	9-21	Channery silt loam, channery loam	GM, ML, SM	A-2, A-4	0-1	0-10	55-100	50-100	45-95	30-75	20-37	1-10
	21-36	Very channery silt loam, very channery loam	CL, GM, ML, SM	A-1, A-2, A-4	0-1	0-15	35-100	20-100	15-95	15-70	20-35	3-10
	36-40	Unweathered bedrock			---	---	---	---	---	---	---	---
18E:												
Penn----------	0-9	Extremely stony silt loam	GM, ML	A-4	1-5	3-15	60-100	50-100	45-95	35-85	0-14	---
	9-21	Channery silt loam, channery loam	GM, ML, SM	A-2, A-4	0-1	0-10	55-100	50-100	45-95	30-75	20-37	1-10
	21-36	Very channery silt loam, very channery loam	CL, GM, ML, SM	A-1, A-2, A-4	0-1	0-15	35-100	20-100	15-95	15-70	20-35	3-10
	36-40	Unweathered bedrock			---	---	---	---	---	---	---	---
19A:												
Bucks----------	0-12	Silt loam	CL, CL-ML, ML	A-4	0	0	95-100	95-100	85-95	65-90	20-35	3-10
	12-33	Silt loam, silty clay loam, channery loam	CL, ML	A-4, A-6	0	0-3	75-100	60-80	55-75	50-70	30-40	5-15
	33-45	Channery silt loam, silt loam, silty clay loam	CL, ML, SC, SM	A-4, A-6	0	5-15	65-90	55-85	50-80	45-75	20-40	3-15
	45-49	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	
19B:												
Bucks----------	0-12	Silt loam	CL, CL-ML, ML	A-4	0	0	95-100	95-100	85-95	65-90	20-35	3-10
	12-33	Silt loam, silty clay loam, channery loam	CL, ML	A-4, A-6	0	0-3	75-100	60-80	55-75	50-70	30-40	5-15
	33-45	Channery silt loam, silt loam, silty clay loam	CL, ML, SC, SM	A-4, A-6	0	5-15	65-90	55-85	50-80	45-75	20-40	3-15
	45-49	Unweathered bedrock			---	---	---	---	---	---	---	---
20A:												
Brentsville-----	0-10	Sandy loam	SC-SM, SM	A-2	0	0-5	85-100	75-95	45-65	25-35	8-20	NP-6
	10-33	Loam, sandy loam, gravelly sandy loam	SC, SC-SM, SM	A-1, A-2, A-4	0-5	0-10	75-100	50-95	30-85	15-50	10-25	NP-10
	33-37	Unweathered bedrock			---	---	---	---	---	---	---	---
20B:												
Brentsville-----	0-10	Sandy loam	SM, SC-SM	A-2	0	0-5	85-100	75-95	45-65	25-35	8-20	NP-6
	10-33	Loam, sandy loam, gravelly sandy loam	SC, SC-SM, SM	A-4, A-1, A-2	0-5	0-10	75-100	50-95	30-85	15-50	10-25	NP-10
	33-37	Unweathered bedrock			---	---	---	---	---	---	---	---
20C:												
Brentsville-----	0-10	Sandy loam	SC-SM, SM	A-2	0	0-5	85-100	75-95	45-65	25-35	8-20	NP-6
	10-33	Loam, sandy loam, gravelly sandy loam	SC, SC-SM, SM	A-1, A-2, A-4	0-5	0-10	75-100	50-95	30-85	15-50	10-25	NP-10
	33-37	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	
21A:												
Penn----------	0-9	Silt loam	ML	A-4	0	0-5	95-100	80-100	80-95	60-85	0-14	---
	9-21	Channery silt loam, channery loam, channery silty clay loam	GM, ML, SM	A-2, A-4	0	0-10	55-100	50-100	45-95	30-75	20-37	1-10
	21-36	Very channery silt loam, very channery loam	CL, GM, ML, SM	A-1, A-2, A-4	0	0-15	35-100	20-100	15-95	15-70	20-35	3-10
	36-40	Unweathered bedrock			---	---	---	---	---	---	---	---
21B:												
Penn----------	0-9	Silt loam	ML	A-4	0	0-5	95-100	80-100	80-95	60-85	0-14	---
	9-21	Channery silt loam, channery loam, channery silty clay loam	SM, ML, GM	A-2, A-4	0	0-10	55-100	50-100	45-95	30-75	20-37	1-10
	21-36	Very channery silt loam, very channery loam	CL, GM, ML, SM	A-1, A-2, A-4	0	0-15	35-100	20-100	15-95	15-70	20-35	3-10
	36-40	Unweathered bedrock			---	---	---	---	---	---	---	---
21C:												
Penn----------	0-9	Silt loam	ML	A-4	0	0-5	95-100	80-100	80-95	60-85	0-14	---
	9-21	Channery silt loam, channery loam, channery silty clay loam	GM, ML, SM	A-2, A-4	0	0-10	55-100	50-100	45-95	30-75	20-37	1-10
	21-36	Very channery silt loam, very channery loam	CL, GM, ML, SM	A-1, A-2, A-4	0	0-15	35-100	20-100	15-95	15-70	20-35	3-10
	36-40	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	
21D:												
Penn----------	0-9	Silt loam	ML	A-4	0	0-5	95-100	80-100	80-95	60-85	0-14	---
	9-21	Channery silt loam, channery loam, channery silty clay loam	GM, ML, SM	A-2, A-4	0	0-10	55-100	50-100	45-95	30-75	20-37	1-10
	21-36	Very channery silt loam, very channery loam	CL, GM, ML, SM	A-1, A-2, A-4	0	0-15	35-100	20-100	15-95	15-70	20-35	3-10
	36-40	Unweathered bedrock			---	---	---	---	---	---	---	---
21E:												
Penn----------	0-9	Silt loam	ML	A-4	0	0-5	95-100	80-100	80-95	60-85	0-14	---
	9-21	Channery silt loam, channery loam, channery silty clay loam	GM, ML, SM	A-2, A-4	0	0-10	55-100	50-100	45-95	30-75	20-37	1-10
	21-36	Very channery silt loam, very channery loam	CL, GM, ML, SM	A-1, A-2, A-4	0	0-15	35-100	20-100	15-95	15-70	20-35	3-10
	36-40	Unweathered bedrock			---	---	---	---	---	---	---	---
21F:												
Nestoria--------	0-2	Very gravelly silt loam	SC, SC-SM, SM	A-2, A-4	---	5-10	85-95	40-50	35-45	25-40	15-30	NP-10
	2-18	Very gravelly loam, very gravelly silt loam, extremely gravelly silt loam	GW-GC, SC-SM, SW-SC	A-1, A-2, A-4, A-6	---	5-10	35-75	15-50	14-45	10-40	15-30	6-15
	18-36	Weathered bedrock			---	---	---	---	---	---	---	---
	36-40	Unweathered bedrock			---	---	---	---	---	---	---	---
Rock Outcrop----	---	---	---	---	---	---	---	---	---	---	---	---

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	
22A:												
Readington------	0-6	Silt loam	ML	A-4	0	0-5	90-100	80-100	80-100	65-100	0-14	NP
	6-20	Loam, channery silt loam, silty clay loam	CL, CL-ML, ML	A-4, A-6	0	0-10	80-100	70-100	65-100	55-95	25-39	5-12
	20-44	Silt loam, channery loam, channery silt loam	CL, GM, ML, SM	A-2, A-4, A-6	0	0-10	60-95	40-90	30-85	25-55	20-35	NP-12
	44-48	Weathered bedrock			---	---	---	---	---	---	---	---
22B:												
Readington------	0-6	Silt loam	ML	A-4	0	0-5	90-100	80-100	80-100	65-100	0-14	NP
	6-20	Loam, channery silt loam, silty clay loam	CL, CL-ML, ML	A-4, A-6	0	0-10	80-100	70-100	65-100	55-95	25-39	5-12
	20-44	Silt loam, channery loam, channery silt loam	CL, GM, ML, SM	A-2, A-4, A-6	0	0-10	60-95	40-90	30-85	25-55	20-35	NP-12
	44-48	Weathered bedrock			---	---	---	---	---	---	---	---
23A:												
Croton----------	0-12	Silt loam	CL, CL-ML	A-4, A-6	0	0-1	90-100	90-100	85-95	75-90	25-40	5-15
	12-17	Silt loam, silty clay loam, channery silt loam	CL	A-6	0	0-10	90-100	85-95	80-90	70-85	30-40	10-15
	17-32	Silt loam, silty clay loam, channery silt loam	CL	A-6	0	0-10	90-100	85-95	80-90	70-85	30-40	10-15
	32-56	Channery silt loam, channery silty clay loam, channery clay loam	CL	A-6	0	0-10	75-95	65-80	60-75	50-70	30-40	10-15
	56-60	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	
24C:												
Montalto--------	0-15	Very stony silt loam	ML	A-4, A-6	---	5-10	95-100	80-100	70-100	50-95	32-40	7-12
	15-42	Clay, silty clay, clay loam	CH, CL	A-7	0	0-5	95-100	80-100	70-100	60-95	40-54	18-27
	42-72	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
24D:												
Montalto--------	0-15	Very stony silt loam	ML	A-4, A-6	---	5-10	95-100	80-100	70-100	50-95	32-40	7-12
	15-42	Clay, silty clay, clay loam	CL, CH	A-7	0	0-5	95-100	80-100	70-100	60-95	40-54	18-27
	42-72	Loam, clay loam, silty clay loam	MH, CH, CL, ML	A-6, A-7	0	0-10	90-100	80-100	70-100	50-95	38-52	13-25
25B:												
Legore----------	0-8	Silt loam	CL	A-4, A-6	0	0-5	85-100	80-100	70-100	50-95	15-40	7-15
	8-28	Gravelly silty clay loam, clay loam, silty clay loam	SM, MH, ML	A-7	0	0-15	80-100	50-100	50-100	40-95	40-65	14-30
	28-60	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
25C:												
Legore----------	0-8	Silt loam	CL	A-4, A-6	0	0-5	85-100	80-100	70-100	50-95	15-40	7-15
	8-28	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
	28-60	Gravelly silt loam, silty clay loam, sandy loam	SM, GM, ML	A-2, A-4, A-5, A-7	0	0-15	60-100	50-100	45-100	25-95	15-50	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	
26B:												
Montalto--------	0-15	Silt loam	CL, CH, ML	A-6, A-7	0	0-5	95-100	80-100	70-100	50-95	36-52	10-25
	15-42	Clay, silty clay, clay loam	CH, CL	A-7	0	0-5	95-100	80-100	70-100	60-95	40-54	18-27
	42-72	Loam, clay loam, silty clay loam	ML, CH, CL	A-6, A-7	0	0-10	90-100	80-100	70-100	50-95	38-52	13-25
26C:												
Montalto--------	0-15	Silt loam	ML, CH, CL	A-6, A-7	0	0-5	95-100	80-100	70-100	50-95	36-52	10-25
	15-42	Clay, silty clay, clay loam	CH, CL	A-7	0	0-5	95-100	80-100	70-100	60-95	40-54	18-27
	42-72	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
27B:												
Neshaminy-------	0-8	Silt loam	ML	A-4, A-6	0	0-10	95-100	90-100	80-100	65-85	0-14	---
	8-48	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
	48-52	Weathered bedrock			---	---	---	---	---	---	---	---
27C:												
Neshaminy-------	0-8	Silt loam	ML	A-4, A-6	0	0-10	95-100	90-100	80-100	65-85	0-14	---
	8-48	Silt loam, gravelly silty clay loam, gravelly sandy clay loam	ML, MH, GM, 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
	48-52	Weathered bedrock			---	---	---	---	---	---	---	---
28A:												
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
	9-33	Clay, silty clay, silty clay loam	CH, CL	A-7	---	0-15	85-100	80-100	70-100	60-95	40-65	15-35
	33-65	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: 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	
29B:												
Jackland--------	0-10	Silt loam	CL	A-6	0	1-5	95-100	80-100	75-95	51-70	25-40	10-20
	10-32	Clay	CL	A-7	0	0	99-100	80-100	70-100	55-95	50-75	35-50
	32-69	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
35B:												
Chrome----------	0-10	Silt loam	CL-ML, ML	A-4, A-6, A-7	---	0-5	90-100	90-100	80-95	70-95	25-45	4-15
	10-23	Clay loam, gravelly silty clay, gravelly clay loam	ML, MH, CH, CL	A-4, A-6, A-7	---	0-10	65-100	60-80	55-75	50-70	35-60	20-45
	23-27	Weathered bedrock			---	---	---	---	---	---	---	---
Conowingo-------	0-9	Silt loam	CL	A-6, A-7	0	0	85-100	80-100	70-100	55-95	30-45	12-20
	9-27	Silty clay loam, clay loam	CH, CL, MH, ML	A-6, A-7	0	0	85-100	80-100	75-100	55-90	35-60	15-28
	27-32	Silty clay loam, silt loam	CH, CL, MH, ML	A-6, A-7	0	0	85-100	80-100	70-100	55-95	35-55	15-25
	32-60	Gravelly silt loam, silty clay loam, clay loam	GM, ML, SM	A-4, A-6	0	0-10	60-100	50-100	45-100	35-90	15-40	8-14
35C:												
Chrome----------	0-10	Silt loam	CL-ML, ML	A-4, A-6, A-7	---	0-5	90-100	90-100	80-95	70-95	25-45	4-15
	10-23	Clay loam, gravelly silty clay, gravelly clay loam	ML, CH, CL, MH	A-4, A-6, A-7	---	0-10	65-100	60-80	55-75	50-70	35-60	20-45
	23-27	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	Plas-ticity index
	In				Pct	Pct					Pct	
36A:												
Conowingo-------	0-9	Silt loam	CL	A-6, A-7	0	0	85-100	80-100	70-100	55-95	30-45	12-20
	9-27	Silty clay loam, clay loam	CH, CL, MH, ML	A-6, A-7	0	0	85-100	80-100	75-100	55-90	35-60	15-28
	27-32	Silty clay loam, silt loam	ML, CH, CL, MH	A-6, A-7	0	0	85-100	80-100	70-100	55-95	35-55	15-25
	32-60	Gravelly silt loam, silty clay loam, clay loam	GM, ML, SM	A-4, A-6	0	0-10	60-100	50-100	45-100	35-90	15-40	8-14
37B:												
Travilah--------	0-10	Silt loam	CL, CL-ML	A-4, A-6	---	0-5	90-100	85-100	80-95	65-80	25-35	5-15
	10-33	Silt loam, silty clay loam, channery silty clay loam	CL, GC, SC	A-6	---	0-5	60-100	55-100	50-95	40-85	30-40	10-20
	33-37	Unweathered bedrock			---	---	---	---	---	---	---	---
41A:												
Elsinboro-------	0-9	Silt loam	CL, SC	A-2, A-4	---	0-5	85-100	80-100	50-100	25-90	21-28	4-9
	9-60	Silty clay loam, silt loam, loam	CL	A-6	---	0-5	85-100	80-100	70-100	50-95	28-40	11-20
41B:												
Elsinboro-------	0-9	Silt loam	CL, SC	A-2, A-4	---	0-5	85-100	80-100	50-100	25-90	21-28	4-9
	9-60	Silty clay loam, silt loam, loam	CL	A-6	---	0-5	85-100	80-100	70-100	50-95	28-40	11-20
43A:												
Elk----------	0-9	Silt loam	ML	A-4	0	0	95-100	95-100	85-100	70-95	25-35	3-10
	9-54	Silty clay loam, silt loam	CL, CL-ML, ML	A-4, A-6	0	0	95-100	90-100	85-100	75-100	25-40	5-15
	54-66	Gravelly silty clay loam, silt loam, silty clay	CL, CL-ML, ML, SC-SM	A-6, A-4	0	0	75-100	50-100	45-100	40-95	25-40	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	
45A:												
Delanco---------	0-8	Silt loam	SC, CL, ML, SM	A-4, A-6	0	0	90-100	80-100	55-100	30-90	15-30	NP-15
	8-48	Silty clay loam, clay loam, loam	CL, ML	A-6, A-7	0	0	90-100	80-100	70-100	50-95	35-50	10-20
	48-60	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
46A:												
Huntington------	0-12	Silt loam	CL-ML, CL	A-4, A-6	0	0	95-100	95-100	85-100	60-95	25-40	5-15
	12-65	Silt loam, silty clay loam	ML, CL, CL-ML	A-4, A-6	0	0	95-100	95-100	85-100	60-95	25-40	5-15
47A:												
Lindside--------	0-9	Silt loam	ML, CL, CL-ML	A-4, A-6	0	0	100	95-100	80-100	55-90	20-35	2-15
	9-65	Silty clay loam, silt loam, very fine sandy loam	ML, CL-ML, CL	A-4, A-6	0	0	100	95-100	90-100	70-95	25-40	4-18
48A:												
Melvin----------	0-9	Silt loam	CL-ML, ML	A-4	0	0	95-100	90-100	80-100	80-95	25-35	4-10
	9-46	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	80-100	80-98	25-40	5-20
	46-60	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	85-100	80-100	70-100	60-98	25-40	5-20
50A:												
Rowland---------	0-11	Silt loam	ML, SM	A-4	0	0-5	95-100	95-100	75-100	35-95	0-14	---
	11-34	Silt loam, loam, sandy clay loam	ML, SM	A-4, A-6, A-7	0	0-5	95-100	95-100	75-100	35-95	24-45	NP-15
	34-54	Sandy clay, silt loam, gravelly silty clay loam	ML, SM	A-4, A-6, A-7	0	0-10	90-100	70-100	65-100	35-95	25-50	3-17
	54-66	Stratified sand to gravel	GC, GM, SC, SM	A-1, A-2	0-1	0-15	55-80	30-70	20-40	15-30	0-14	---

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas-ticity index
	In				Pct	Pct					Pct	
51A:												
Bowmansville----	0-11	Silt loam	ML, SM	A-4	0	0-5	95-100	80-100	60-100	35-90	0-14	NP
	11-48	Silt loam, silty clay loam, sandy clay loam	CL, ML, SC, SM	A-4, A-6, A-7	0	0-5	95-100	80-100	80-100	40-90	30-45	8-15
	48-62	Silty clay loam, sandy loam, gravelly silt loam	CL, MH, ML, SM	A-6, A-7	0	0-10	90-100	65-100	60-100	35-100	35-55	15-25
Melvin----------	0-9	Silt loam	CL-ML, ML	A-4	0	0	95-100	90-100	80-100	80-95	25-35	4-10
	9-46	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	80-100	80-98	25-40	5-20
	46-60	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0	0	85-100	80-100	70-100	60-98	25-40	5-20
53A:												
Codorus---------	0-11	Silt loam	CL, CL-ML, ML	A-4, A-6	0	0	80-100	70-100	65-100	55-95	22-35	2-12
	11-40	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
	40-60	Stratified sand to gravelly silt	GM, ML, SM	A-1, A-2, A-4	0	0	25-100	20-100	20-85	15-65	15-35	NP-7
54A:												
Hatboro---------	0-11	Silt loam	CL, ML, SC, SM	A-4, A-6	0	0	95-100	90-100	70-100	40-90	22-35	2-12
	11-55	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
	55-60	Sandy clay loam, sandy loam, silt loam	CL, ML, SM, SC	A-4	0	0	75-100	70-100	60-90	45-60	22-30	2-10
55C:												
Evesboro--------	0-11	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
	11-60	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

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	
57B:												
Chillum---------	0-13	Silt loam	ML, CL, CL-ML	A-4	0	0	100	100	85-100	60-90	20-30	2-10
	13-28	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6, A-7	0	0	100	100	90-100	70-95	26-44	6-20
	28-60	Very gravelly sandy loam, gravelly sandy loam	SP-SM, GM, GP-GM, SM	A-1, A-2	0	0	25-90	15-75	10-50	5-30	0-14	NP
57C:												
Chillum---------	0-13	Silt loam	ML, CL, CL-ML	A-4	0	0	100	100	85-100	60-90	20-30	2-10
	13-28	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6, A-7	0	0	100	100	90-100	70-95	26-44	6-20
	28-60	Very gravelly sandy loam, gravelly sandy loam	GM, GP-GM, SM, SP-SM	A-1, A-2	0	0	25-90	15-75	10-50	5-30	0-14	NP
57D:												
Chillum---------	0-13	Silt loam	CL, CL-ML, ML	A-4	0	0	100	100	85-100	60-90	20-30	2-10
	13-28	Silt loam, silty clay loam	CL-ML, CL	A-4, A-6, A-7	0	0	100	100	90-100	70-95	26-44	6-20
	28-60	Very gravelly sandy loam, gravelly sandy loam	GP-GM, GM, SM, SP-SM	A-1, A-2	0	0	25-90	15-75	10-50	5-30	0-14	NP
57UB:												
Chillum---------	0-13	Silt loam	ML, CL, CL-ML	A-4	0	0	100	100	85-100	60-90	20-30	2-10
	13-28	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6, A-7	0	0	100	100	90-100	70-95	26-44	6-20
	28-60	Very gravelly sandy loam, gravelly sandy loam	GM, GP-GM, SM, SP-SM	A-1, A-2	0	0	25-90	15-75	10-50	5-30	0-14	NP
Urban Land------	---	---	---	---	---	---	---	---	---	---	---	---

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	
58B:												
Sassafras-------	0-8	Loam	CL, CL-ML, ML	A-4	0	0	85-100	80-100	70-95	50-75	12-32	NP-10
	8-35	Loam, sandy clay loam, sandy loam	SC, CL, CL-ML, SC-SM	A-2, A-4, A-6	0	0	85-100	80-100	50-95	25-75	20-33	5-15
	35-65	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
58C:												
Sassafras-------	0-8	Loam	CL-ML, ML, CL	A-4	0	0	85-100	80-100	70-95	50-75	12-32	NP-10
	8-35	Loam, sandy clay loam, sandy loam	SC-SM, CL, CL-ML, SC	A-2, A-4, A-6	0	0	85-100	80-100	50-95	25-75	20-33	5-15
	35-65	Stratified sand to gravelly sandy loam	SM, SC, SC-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
59A:												
Beltsville------	0-13	Silt loam	CL-ML, ML	A-4	0	0	85-100	80-100	70-100	50-90	22-26	3-7
	13-31	Silty clay loam, silt loam	CL	A-4, A-6	0	0	85-100	80-100	70-100	55-95	29-32	9-12
	31-42	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
	42-60	Gravelly sandy loam, sandy loam, clay loam	SM, CL, GM, ML	A-1-b, A-2, A-4, A-6	0	0	60-100	50-100	30-100	15-90	18-34	3-16
59B:												
Beltsville------	0-13	Silt loam	CL-ML, ML	A-4	0	0	85-100	80-100	70-100	50-90	22-26	3-7
	13-31	Silty clay loam, silt loam	CL	A-4, A-6	0	0	85-100	80-100	70-100	55-95	29-32	9-12
	31-42	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
	42-60	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	Plasticity index
	In				Pct	Pct					Pct	
61B:												
Croom----------	0-14	Gravelly loam	CL, GM, ML, SM	A-1, A-2, A-4, A-6	0	0	60-85	50-75	30-70	15-55	15-33	2-16
	14-28	Very gravelly sandy clay loam, very gravelly sandy loam, very gravelly loam	GC, GM, GP-GC, GP-GM	A-1, A-2-4, A-2-6	0	0	40-80	30-55	20-50	10-30	8-36	2-16
	28-65	Very gravelly loamy sand, very gravelly sandy loam, very gravelly sandy clay loam	GC, GM, GP, GW	A-1, A-2-4, A-2-6	0	0	40-80	30-55	15-50	2-30	15-36	NP-16
61C:												
Croom----------	0-14	Gravelly loam	CL, GM, ML, SM	A-1, A-2, A-4, A-6	0	0	60-85	50-75	30-70	15-55	15-33	2-16
	14-28	Very gravelly sandy clay loam, very gravelly sandy loam, very gravelly loam	GC, GM, GP-GC, GP-GM	A-1, A-2-4, A-2-6	0	0	40-80	30-55	20-50	10-30	8-36	2-16
	28-65	Very gravelly loamy sand, very gravelly sandy loam, very gravelly sandy clay loam	GC, GM, GP, GW	A-2-6, A-1, A-2-4	0	0	40-80	30-55	15-50	2-30	15-36	NP-16

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
61D:												
Croom----------	0-14	Gravelly loam	CL, GM, ML, SM	A-1, A-2, A-4, A-6	0	0	60-85	50-75	30-70	15-55	15-33	2-16
	14-28	Very gravelly sandy clay loam, very gravelly sandy loam, very gravelly loam	GC, GM, GP-GC, GP-GM	A-1, A-2-4, A-2-6	0	0	40-80	30-55	20-50	10-30	8-36	2-16
	28-65	Very gravelly loamy sand, very gravelly sandy loam, very gravelly sandy clay loam	GC, GM, GP, GW	A-1, A-2-4, A-2-6	0	0	40-80	30-55	15-50	2-30	15-36	NP-16
61E:												
Croom----------	0-14	Gravelly loam	CL, GM, ML, SM	A-1, A-2, A-4, A-6	0	0	60-85	50-75	30-70	15-55	15-33	2-16
	14-28	Very gravelly sandy clay loam, very gravelly sandy loam, very gravelly loam	GC, GM, GP-GC, GP-GM	A-1, A-2-4, A-2-6	0	0	40-80	30-55	20-50	10-30	8-36	2-16
	28-65	Very gravelly loamy sand, very gravelly sandy loam, very gravelly sandy clay loam	GP, GW, GM, GC	A-1, A-2-4, A-2-6	0	0	40-80	30-55	15-50	2-30	15-36	NP-16

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	
61UB:												
Croom----------	0-14	Gravelly loam	CL, GM, ML, SM	A-1, A-2, A-4, A-6	0	0	60-85	50-75	30-70	15-55	15-33	2-16
	14-28	Very gravelly sandy clay loam, very gravelly sandy loam, very gravelly loam	GC, GM, GP-GC, GP-GM	A-1, A-2-4, A-2-6	0	0	40-80	30-55	20-50	10-30	8-36	2-16
	28-65	Very gravelly loamy sand, very gravelly sandy loam, very gravelly sandy clay loam	GC, GM, GP, GW	A-1, A-2-4, A-2-6	0	0	40-80	30-55	15-50	2-30	15-36	NP-16
Urban Land------	---	---	---	---	---	---	---	---	---	---	---	---
64B:												
Croom----------	0-14	Gravelly loam	CL, GM, ML, SM	A-1, A-2, A-4, A-6	0	0	60-85	50-75	30-70	15-55	15-33	2-16
	14-28	Very gravelly sandy clay loam, very gravelly sandy loam, very gravelly loam	GM, GP-GC, GP-GM, GC	A-1, A-2-4, A-2-6	0	0	40-80	30-55	20-50	10-30	8-36	2-16
	28-65	Very gravelly loamy sand, very gravelly sandy loam, very gravelly sandy clay loam	GP, GC, GM, GW	A-1, A-2-4, A-2-6	0	0	40-80	30-55	15-50	2-30	15-36	NP-16
Bucks----------	0-12	Silt loam	ML, CL, CL-ML	A-4	0	0	95-100	95-100	85-95	65-90	20-35	3-10
	12-33	Silt loam, silty clay loam, channery loam	CL, ML	A-4, A-6	0	0-3	75-100	60-80	55-75	50-70	30-40	5-15
	33-45	Channery silt loam, silt loam, silty clay loam	SM, CL, ML, SC	A-4, A-6	0	5-15	65-90	55-85	50-80	45-75	20-40	3-15
	45-49	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	
64C:												
Croom----------	0-14	Gravelly loam	SM, CL, GM, ML	A-1, A-2, A-4, A-6	0	0	60-85	50-75	30-70	15-55	15-33	2-16
	14-28	Very gravelly sandy clay loam, very gravelly sandy loam, very gravelly loam	GP-GM, GC, GM, GP-GC	A-1, A-2-4, A-2-6	0	0	40-80	30-55	20-50	10-30	8-36	2-16
	28-65	Very gravelly loamy sand, very gravelly sandy loam, very gravelly sandy clay loam	GW, GC, GM, GP	A-1, A-2-4, A-2-6	0	0	40-80	30-55	15-50	2-30	15-36	NP-16
Bucks----------	0-12	Silt loam	CL, CL-ML, ML	A-4	0	0	95-100	95-100	85-95	65-90	20-35	3-10
	12-33	Silt loam, silty clay loam, channery loam	ML, CL	A-4, A-6	0	0-3	75-100	60-80	55-75	50-70	30-40	5-15
	33-45	Channery silt loam, silt loam, silty clay loam	CL, ML, SC, SM	A-4, A-6	0	5-15	65-90	55-85	50-80	45-75	20-40	3-15
	45-49	Unweathered bedrock			---	---	---	---	---	---	---	---
65B:												
Wheaton---------	0-6	Silt loam	CL, CL-ML	A-4, A-6	---	0-5	80-100	75-100	65-90	55-80	25-35	5-15
	6-68	Loam, silt loam, channery loam	GC-GM, CL, CL-ML, GC	A-4, A-6	---	0-5	65-100	55-95	45-85	35-65	25-35	5-15
66UB:												
Wheaton---------	0-6	Silt loam	CL, CL-ML	A-4, A-6	---	0-5	80-100	75-100	65-90	55-80	25-35	5-15
	6-68	Loam, silt loam, channery loam	CL, CL-ML, GC, GC-GM	A-4, A-6	---	0-5	65-100	55-95	45-85	35-65	25-35	5-15
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	
66UC:												
Wheaton---------	0-6	Silt loam	CL-ML, CL	A-4, A-6	---	0-5	80-100	75-100	65-90	55-80	25-35	5-15
	6-68	Loam, silt loam, channery loam	GC-GM, GC, CL-ML, CL	A-4, A-6	---	0-5	65-100	55-95	45-85	35-65	25-35	5-15
Urban Land------	---	---	---	---	---	---	---	---	---	---	---	---
67UB:												
Urban Land------	---	---	---	---	---	---	---	---	---	---	---	---
Wheaton---------	0-6	Silt loam	CL, CL-ML	A-4, A-6	---	0-5	80-100	75-100	65-90	55-80	25-35	5-15
	6-68	Loam, silt loam, channery loam	CL, CL-ML, GC-GM, GC	A-4, A-6	---	0-5	65-100	55-95	45-85	35-65	25-35	5-15
100:												
Dumps, Refuse---	---	---	---	---	---	---	---	---	---	---	---	---
109D:												
Hyattstown------	0-9	Channery silt loam	CL, CL-ML, GC, GC-GM	A-2-4, A-4, A-6	---	0-5	55-80	50-75	40-75	30-70	20-30	5-15
	9-14	Very channery silt loam, very channery clay loam	GC, GM, SC, SM	A-2, A-6, A-7	---	0-5	40-85	30-55	25-55	20-50	30-50	10-20
	14-18	Extremely channery silt loam, very channery silt loam	SC, GC, GC-GM	A-1, A-2, A-4, A-6	---	5-10	25-85	10-55	10-55	7-45	20-30	5-15
	18-26	Weathered bedrock			---	---	---	---	---	---	---	---
	26-30	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	
109E:												
Hyattstown------	0-9	Channery silt loam	CL, CL-ML, GC, GC-GM	A-2-4, A-4, A-6	---	0-5	55-80	50-75	40-75	30-70	20-30	5-15
	9-14	Very channery silt loam, very channery clay loam	SM, GC, GM, SC	A-2, A-6, A-7	---	0-5	40-85	30-55	25-55	20-50	30-50	10-20
	14-18	Extremely channery silt loam, very channery silt loam	SC, GC, GC-GM	A-1, A-2, A-4, A-6	---	5-10	25-85	10-55	10-55	7-45	20-30	5-15
	18-26	Weathered bedrock			---	---	---	---	---	---	---	---
	26-30	Unweathered bedrock			---	---	---	---	---	---	---	---
116C:												
Blocktown-------	0-6	Channery silt loam	CL, CL-ML, GC, GC-GM	A-2, A-4, A-6	---	0-10	65-85	55-75	45-70	30-65	15-30	5-15
	6-17	Very channery loam, very channery silty clay loam, extremely channery silt loam	GM, GC	A-2, A-6, A-7	---	5-10	30-60	25-55	20-50	15-45	30-50	10-20
	17-21	Weathered bedrock			---	---	---	---	---	---	---	---
	21-25	Unweathered bedrock			---	---	---	---	---	---	---	---
116D:												
Blocktown-------	0-6	Channery silt loam	CL, GC, GC-GM, CL-ML	A-2, A-4, A-6	---	0-10	65-85	55-75	45-70	30-65	15-30	5-15
	6-17	Very channery loam, very channery silty clay loam, extremely channery silt loam	GC, GM	A-2, A-6, A-7	---	5-10	30-60	25-55	20-50	15-45	30-50	10-20
	17-21	Weathered bedrock			---	---	---	---	---	---	---	---
	21-25	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	
116E:												
Blocktown-------	0-6	Channery silt loam	CL, CL-ML, GC, GC-GM	A-2, A-4, A-6	---	0-10	65-85	55-75	45-70	30-65	15-30	5-15
	6-17	Very channery loam, very channery silty clay loam, extremely channery silt loam	GM, GC	A-7, A-2, A-6	---	5-10	30-60	25-55	20-50	15-45	30-50	10-20
	17-21	Weathered bedrock			---	---	---	---	---	---	---	---
	21-25	Unweathered bedrock			---	---	---	---	---	---	---	---
200:												
Pits, Gravel----	---	---	---	---	---	---	---	---	---	---	---	---
201:												
Pits, Quarry----	---	---	---	---	---	---	---	---	---	---	---	---
300:												
Rock Outcrop----	---	---	---	---	---	---	---	---	---	---	---	---
Blocktown-------	0-6	Channery silt loam	GC-GM, CL, CL-ML, GC	A-2, A-4, A-6	---	0-10	65-85	55-75	45-70	30-65	15-30	5-15
	6-17	Very channery loam, very channery silty clay loam, extremely channery silt loam	GM, GC	A-2, A-6, A-7	---	5-10	30-60	25-55	20-50	15-45	30-50	10-20
	17-21	Weathered bedrock			---	---	---	---	---	---	---	---
	21-25	Unweathered bedrock			---	---	---	---	---	---	---	---
400:												
Urban Land------	---	---	---	---	---	---	---	---	---	---	---	---
W:												
Census Water----	---	---	---	---	---	---	---	---	---	---	---	---