Table H.--Engineering Index Properties

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

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
AmB:												
Airmont---------	0-11	Extremely stony loam	CL, GM, ML, SC-SM	A-2, A-4	1-15	10-20	50-95	45-80	40-70	30-60	0-25	NP-10
	11-27	Flaggy clay loam, very flaggy sandy clay loam, very channery clay loam	CL, CL-ML, SC, SC-SM	A-2, A-4, A-6	0	10-40	80-90	60-75	50-75	30-60	25-35	5-15
	27-45	Very flaggy loam, very flaggy sandy loam, very channery loam	CL, CL-ML, GC, GC-GM	A-1, A-2, A-4, A-6	0	20-45	60-75	55-65	30-60	20-55	20-35	5-15
	45-65	Very flaggy loam, very flaggy clay loam, extremely flaggy loam	CL, CL-ML, GC, GC-GM	A-2, A-4, A-6	0	40-80	60-75	50-65	40-60	30-55	0-35	NP-20
AmD:												
Airmont---------	0-11	Extremely stony loam	CL, GM, ML, SC-SM	A-2, A-4	1-15	10-20	50-95	45-80	40-70	30-60	0-25	NP-10
	11-27	Flaggy clay loam, very flaggy sandy clay loam, very channery clay loam	SC-SM, CL, CL-ML, SC	A-2, A-4, A-6	0	10-40	80-90	60-75	50-75	30-60	25-35	5-15
	27-45	Very flaggy loam, very flaggy sandy loam, very channery loam	CL, CL-ML, GC, GC-GM	A-1, A-2, A-4, A-6	0	20-45	60-75	55-65	30-60	20-55	20-35	5-15
	45-65	Very flaggy loam, very flaggy clay loam, extremely flaggy loam	CL, CL-ML, GC, GC-GM	A-2, A-4, A-6	0	40-80	60-75	50-65	40-60	30-55	0-35	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	
AnB:												
Andover---------	0-4	Very stony loam	GM, ML, SM	A-2, A-4	0-5	3-10	70-100	65-95	60-90	30-85	20-35	NP-10
	4-19	Loam, gravelly clay loam, cobbly sandy clay loam	CL-ML, ML, SC, SM	A-2, A-4	0-3	0-25	80-95	65-85	60-80	30-60	20-35	2-10
	19-46	Loam, gravelly clay loam, cobbly sandy clay loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0-3	0-25	80-95	65-85	60-85	30-60	20-35	2-9
	46-65	Gravelly sandy clay loam, cobbly loam, cobbly sandy loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0-3	5-30	70-95	55-90	50-75	25-60	20-35	2-9
Buchanan--------	0-2	Very stony loam	CL, CL-ML, GM, ML	A-2, A-4, A-6	0-6	3-20	50-90	45-75	40-75	30-65	20-35	2-11
	2-32	Gravelly loam, silt loam, gravelly sandy clay loam	CL, GM, ML, SM	A-2, A-4, A-6	0-3	0-20	50-100	45-90	40-90	20-80	20-35	2-15
	32-65	Gravelly loam, loam, channery clay loam	CL, GM, ML, SM	A-2, A-4, A-6	0-3	0-20	50-100	30-80	30-75	20-60	20-35	2-15
At:												
Atkins----------	0-4	Silt loam	CL, CL-ML, ML	A-4, A-6	0	0	90-100	85-100	75-100	60-95	20-40	3-20
	4-36	Silty clay loam, silt loam, sandy loam	CL, ML, SC, SM	A-4, A-6	0	0-5	90-100	85-100	65-100	45-85	20-40	3-20
	36-70	Stratified gravelly sandy loam	CL, GM, ML, SM	A-2, A-4, A-6	0	0-20	40-100	35-100	25-95	15-85	20-40	1-15

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	
BaB:												
Bagtown---------	0-8	Extremely stony loam	CL, GM, ML, SM	A-2, A-4	3-15	10-25	50-75	40-70	35-65	30-60	20-30	3-10
	8-15	Gravelly loam, sandy loam, silt loam	CL, SC, GC	A-4, A-2, A-6	0-2	0-7	60-80	40-70	35-65	30-60	25-40	9-20
	15-60	Gravelly loam, gravelly sandy loam, gravelly clay loam	CL, GC, SC	A-2, A-4, A-6	0-2	0-10	60-80	40-70	25-60	20-55	25-40	9-20
	60-73	Gravelly loam, gravelly sandy loam	CL, GC, SC	A-2, A-4, A-6	0-2	3-10	60-80	40-70	25-60	20-55	25-35	9-15
	73-93	Very channery loam, very channery sandy loam, very channery loamy sand	GC, GC-GM, SC	A-1, A-2-4	0-2	3-10	30-60	20-25	15-25	5-20	25-35	5-15
BaC:												
Bagtown---------	0-8	Extremely stony loam	CL, GM, ML, SM	A-2, A-4	3-15	10-25	50-75	40-70	35-65	30-60	20-30	3-10
	8-15	Gravelly loam, gravelly sandy loam, gravelly silt loam	CL, SC, GC	A-4, A-2, A-6	0-2	0-7	60-80	40-70	35-65	30-60	25-40	9-20
	15-60	Gravelly loam, gravelly sandy loam, gravelly clay loam	CL, GC, SC	A-2, A-4, A-6	0-2	0-10	60-80	40-70	25-60	20-55	25-40	9-20
	60-73	Gravelly loam, gravelly sandy loam	CL, GC, SC	A-2, A-4, A-6	0-2	3-10	60-80	40-70	25-60	20-55	25-35	9-15
	73-93	Very channery loam, very channery sandy loam, very channery loamy sand	GC, GC-GM, SC	A-1, A-2-4	0-2	3-10	30-60	20-25	15-25	5-20	25-35	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	
BaD:												
Bagtown---------	0-8	Extremely stony loam	CL, GM, ML, SM	A-2, A-4	3-15	10-25	50-75	40-70	35-65	30-60	20-30	3-10
	8-15	Gravelly loam, gravelly sandy loam, gravelly silt loam	CL, SC, GC	A-4, A-2, A-6	0-2	0-7	60-80	40-70	35-65	30-60	25-40	9-20
	15-60	Gravelly loam, gravelly sandy loam, gravelly clay loam	CL, GC, SC	A-2, A-4, A-6	0-2	0-10	60-80	40-70	25-60	20-55	25-40	9-20
	60-73	Gravelly loam, gravelly sandy loam	CL, GC, SC	A-2, A-4, A-6	0-2	3-10	60-80	40-70	25-60	20-55	25-35	9-15
	73-93	Very channery loam, very channery sandy loam, very channery loamy sand	GC, GC-GM, SC	A-1, A-2-4	0-2	3-10	30-60	20-25	15-25	5-20	25-35	5-15
BbD:												
Bagtown---------	0-8	Extremely stony loam	CL, GM, ML, SM	A-2, A-4	5-10	15-25	50-75	40-70	35-65	30-60	20-30	3-10
	8-15	Gravelly loam, gravelly sandy loam, gravelly silt loam	CL, SC, GC	A-4, A-2, A-6	0-2	0-7	60-80	40-70	35-65	30-60	25-40	9-20
	15-60	Gravelly loam, gravelly sandy loam, gravelly clay loam	CL, GC, SC	A-2, A-4, A-6	0-2	0-10	60-80	40-70	25-60	20-55	25-40	9-20
	60-73	Gravelly loam, gravelly sandy loam	CL, GC, SC	A-2, A-4, A-6	0-2	3-10	60-80	40-70	25-60	20-55	25-35	9-15
	73-93	Very channery loam, very channery sandy loam, very channery loamy sand	GC, GC-GM, SC	A-1, A-2-4	0-2	3-10	30-60	20-25	15-25	5-20	25-35	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	
BbE:												
Bagtown---------	0-8	Extremely stony loam	CL, GM, ML, SM	A-2, A-4	5-15	15-25	50-75	40-70	35-65	30-60	20-30	3-10
	8-15	Gravelly loam, gravelly sandy loam, gravelly silt loam	CL, SC, GC	A-4, A-2, A-6	0-2	0-7	60-80	40-70	35-65	30-60	25-40	9-20
	15-60	Gravelly loam, gravelly sandy loam, gravelly clay loam	CL, GC, SC	A-2, A-4, A-6	0-2	0-10	60-80	40-70	25-60	20-55	25-40	9-20
	60-73	Gravelly loam, gravelly sandy loam	CL, GC, SC	A-2, A-4, A-6	0-2	3-10	60-80	40-70	25-60	20-55	25-35	9-15
	73-93	Very channery loam, sandy loam, loamy sand	GC, GC-GM, SC	A-1, A-2-4	0-2	3-10	30-60	20-25	15-25	5-20	25-35	5-15
Bc:												
Basher----------	0-9	Fine sandy loam	CL-ML, ML, SC-SM, SM	A-1, A-2, A-4	0	0-5	80-100	75-100	45-100	20-90	15-25	2-7
	9-27	Silt loam, loam, gravelly sandy loam	CL-ML, ML, SC-SM, SM	A-1, A-2, A-4	0	0-5	75-100	70-100	40-100	20-90	15-25	2-7
	27-42	Silt loam, gravelly loam, sandy loam	CL-ML, ML, SC-SM, SM	A-1, A-2, A-4	0	0-5	75-100	70-100	40-100	20-90	15-25	2-7
	42-60	Fine sandy loam, gravelly loamy sand, very gravelly sand	GP, ML, SM, SW	A-1, A-2, A-3, A-4	0	0-5	30-100	25-100	10-85	1-55	0-14	NP
BeB:												
Berks----------	0-9	Channery silt loam	GC, GM, ML, SC	A-2, A-4	0	0-30	50-80	45-70	40-60	30-55	25-36	5-10
	9-26	Channery silt loam, loam	GC, GM, SC, SM	A-1, A-2, A-4	0	0-30	40-80	35-70	25-60	20-45	25-36	5-10
	26-36	Channery loam, very channery loam, channery silt loam	GM, SM	A-1, A-2	0	0-40	35-65	25-55	20-40	15-35	24-38	2-10
	36-46	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	
BeC:												
Berks----------	0-8	Channery silt loam	GM, ML, SC, GC	A-2, A-4	0	0-30	50-80	45-70	40-60	30-55	25-36	5-10
	8-26	Channery silt loam, channery loam	GC, GM, SC, SM	A-1, A-2, A-4	0	0-30	40-80	35-70	25-60	20-45	25-36	5-10
	26-36	Channery loam, very channery loam, channery silt loam	GM, SM	A-1, A-2	0	0-40	35-65	25-55	20-40	15-35	24-38	2-10
	36-46	Weathered bedrock			---	---	---	---	---	---	---	---
BfB:												
Berks----------	0-8	Channery silt loam	GC, GM, ML, SC	A-2, A-4	0	0-20	50-80	45-70	40-60	30-55	25-36	5-10
	8-26	Channery loam, very channery loam, channery silt loam	GC, GM, SC, SM	A-1, A-2, A-4	0	0-30	40-80	35-70	25-60	20-45	25-36	5-10
	26-36	Channery loam, very channery loam, channery silt loam	GC-GM, GM, SM	A-1, A-2	0	0-40	35-65	25-55	20-40	15-35	24-38	2-10
	36-46	Weathered bedrock			---	---	---	---	---	---	0-14	---
Weikert---------	0-8	Channery silt loam	GM, ML, SM	A-1, A-2, A-4	0	0-10	35-70	35-70	25-65	20-55	30-40	4-10
	8-18	Channery loam, very channery silt loam, gravelly loam	GM, GP-GM	A-1, A-2	0-1	0-20	15-60	10-55	5-45	5-35	28-36	3-9
	18-28	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	
BfC:												
Berks----------	0-6	Channery silt loam	GC, GM, ML, SC	A-2, A-4	0	0-20	50-80	45-70	40-60	30-55	25-36	5-10
	6-26	Channery loam, very channery loam, channery silt loam	GC, GM, SC, SM	A-1, A-2, A-4	0	0-30	40-80	35-70	25-60	20-45	25-36	5-10
	26-36	Channery loam, very channery loam, channery silt loam	GC-GM, GM, SM	A-1, A-2	0	0-40	35-65	25-55	20-40	15-35	24-38	2-10
	36-46	Weathered bedrock			---	---	---	---	---	---	0-14	---
Weikert---------	0-6	Channery silt loam	GM, ML, SM	A-1, A-2, A-4	0	0-10	35-70	35-70	25-65	20-55	30-40	4-10
	6-18	Channery loam, very channery silt loam, gravelly loam	GM, GP-GM	A-1, A-2	0-1	0-20	15-60	10-55	5-45	5-35	28-36	3-9
	18-28	Weathered bedrock			---	---	---	---	---	---	---	---
BkB:												
Berks----------	0-8	Channery silt loam	GC, GM, ML, SC	A-2, A-4	0	0-20	50-80	45-70	40-60	30-55	25-36	5-10
	8-26	Channery loam, very channery loam, channery silt loam	GC, GM, SC, SM	A-1, A-2, A-4	0	0-30	40-80	35-70	25-60	20-45	25-36	5-10
	26-36	Channery loam, very channery loam, channery silt loam	GC-GM, GM, SM	A-1, A-2	0	0-40	35-65	25-55	20-40	15-35	24-38	2-10
	36-46	Weathered bedrock			---	---	---	---	---	---	0-14	---
Weikert---------	0-8	Channery silt loam	GM, ML, SM	A-1, A-2, A-4	0	0-10	35-70	35-70	25-65	20-55	30-40	4-10
	8-18	Channery loam, very channery silt loam, gravelly loam	GM, GP-GM	A-1, A-2	0-1	0-20	15-60	10-55	5-45	5-35	28-36	3-9
	18-28	Weathered bedrock			---	---	---	---	---	---	---	---
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
BkD:												
Berks----------	0-8	Channery silt loam	GC, GM, ML, SC	A-2, A-4	0	0-20	50-80	45-70	40-60	30-55	25-36	5-10
	8-26	Channery loam, very channery loam, channery silt loam	GC, GM, SC, SM	A-1, A-2, A-4	0	0-30	40-80	35-70	25-60	20-45	25-36	5-10
	26-36	Channery loam, very channery loam, channery silt loam	GC-GM, GM, SM	A-1, A-2	0	0-40	35-65	25-55	20-40	15-35	24-38	2-10
	36-46	Weathered bedrock			---	---	---	---	---	---	0-14	---
Weikert---------	0-8	Channery silt loam	GM, ML, SM	A-1, A-2, A-4	0	0-10	35-70	35-70	25-65	20-55	30-40	4-10
	8-18	Channery loam, very channery silt loam, gravelly loam	GM, GP-GM	A-1, A-2	0-1	0-20	15-60	10-55	5-45	5-35	28-36	3-9
	18-28	Weathered bedrock			---	---	---	---	---	---	---	---
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
Bp:												
Bigpool---------	0-11	Silt loam	CL, CL-ML, ML	A-4, A-6	0-1	0-5	90-100	75-90	60-80	50-70	20-30	3-11
	11-41	Gravelly loam, sandy clay loam, silt loam	CL, CL-ML, ML, SC	A-2, A-4, A-6	0-1	0-5	85-100	70-80	60-75	30-65	20-35	3-15
	41-65	Loam, sandy loam, loamy sand, gravelly loam	ML, SC, SC-SM, SM	A-2, A-4, A-6	0-5	5-10	85-95	75-90	50-75	30-65	20-35	3-15

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	
BrB:												
Braddock--------	0-13	Gravelly loam	CL, ML, SC, SM	A-2, A-4	---	0-3	90-100	50-75	40-70	25-60	0-30	NP-10
	13-54	Gravelly sandy clay, gravelly clay loam, very gravelly clay	CH, CL, SC	A-2, A-7	---	0-15	85-95	50-75	45-70	30-65	42-66	15-35
	54-72	Very gravelly loam, gravelly sandy clay loam, extremely gravelly clay	CL, SC	A-2, A-4, A-6, A-7	---	0-75	75-95	35-75	30-70	20-65	25-50	8-28
Thurmont--------	0-11	Gravelly loam	CL, SC, SC-SM, SM	A-1, A-2, A-4	---	0-3	75-90	50-75	35-65	20-55	0-30	NP-10
	11-41	Clay loam, loam, gravelly sandy clay loam	CL, SC	A-2, A-6, A-7	---	2-20	75-90	55-75	45-70	25-55	30-45	12-20
	41-60	Sandy loam, sandy clay loam, gravelly sandy clay loam	SC	A-2, A-6, A-7	---	2-20	75-90	55-75	35-60	20-40	30-45	12-25
	60-84	Cobbly sandy loam, gravelly sandy clay loam	SC-SM, SM	A-1, A-2	---	15-40	70-85	45-75	30-50	15-35	0-20	NP-7
BrC:												
Braddock--------	0-13	Gravelly loam	CL, ML, SC, SM	A-2, A-4	---	0-3	90-100	50-75	40-70	25-60	0-30	NP-10
	13-54	Gravelly sandy clay, gravelly clay loam, very gravelly clay	CH, CL, SC	A-2, A-7	---	0-15	85-95	50-75	45-70	30-65	42-66	15-35
	54-72	Very gravelly loam, gravelly sandy clay loam, extremely gravelly clay	CL, SC	A-2, A-4, A-6, A-7	---	0-75	75-95	35-75	30-70	20-65	25-50	8-28

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	
Thurmont--------	0-11	Gravelly loam	CL, SC, SC-SM, SM	A-1, A-2, A-4	---	0-3	75-90	50-75	35-65	20-55	0-30	NP-10
	11-41	Clay loam, loam, gravelly sandy clay loam	CL, SC	A-6, A-7, A-2	---	2-20	75-90	55-75	45-70	25-55	30-45	12-20
	41-60	Sandy loam, sandy clay loam, gravelly sandy clay loam	SC	A-2, A-6, A-7	---	2-20	75-90	55-75	35-60	20-40	30-45	12-25
	60-84	Cobbly sandy loam, gravelly sandy clay loam	SC-SM, SM	A-1, A-2	---	15-40	70-85	45-75	30-50	15-35	0-20	NP-7
BrD:												
Braddock--------	0-13	Gravelly loam	CL, ML, SC, SM	A-2, A-4	---	0-3	90-100	50-75	40-70	25-60	0-30	NP-10
	13-54	Gravelly sandy clay, gravelly clay loam, very gravelly clay	CH, CL, SC	A-2, A-7	---	0-15	85-95	50-75	45-70	30-65	42-66	15-35
	54-72	Very gravelly loam, gravelly sandy clay loam, extremely gravelly clay	CL, SC	A-2, A-4, A-6, A-7	---	0-75	75-95	35-75	30-70	20-65	25-50	8-28
Thurmont--------	0-11	Gravelly loam	CL, SC, SC-SM, SM	A-1, A-2, A-4	---	0-3	75-90	50-75	35-65	20-55	0-30	NP-10
	11-41	Clay loam, loam, gravelly sandy clay loam	CL, SC	A-2, A-6, A-7	---	2-20	75-90	55-75	45-70	25-55	30-45	12-20
	41-60	Sandy loam, sandy clay loam, gravelly sandy clay loam	SC	A-2, A-6, A-7	---	2-20	75-90	55-75	35-60	20-40	30-45	12-25
	60-84	Cobbly sandy loam, gravelly sandy clay loam	SC-SM, SM	A-1, A-2	---	15-40	70-85	45-75	30-50	15-35	0-20	NP-7

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
BtB:												
Brinkerton------	0-9	Silt loam	ML	A-4, A-6, A-7-6	0	0-10	90-100	85-100	85-100	75-100	30-45	5-15
	9-18	Silty clay loam, silt loam	ML	A-4, A-6, A-7	0	0-10	90-100	85-100	85-100	65-100	30-45	5-15
	18-46	Silt loam, channery loam, channery silty clay loam	ML	A-4, A-6, A-7	0	0-10	75-100	60-100	60-100	55-100	30-45	5-15
	46-65	Silt loam, channery loam, channery silt loam	CL, ML, SC, SM	A-1, A-2, A-4, A-6	0	0-50	70-90	25-85	25-85	20-75	30-40	5-15
BuB:												
Buchanan--------	0-8	Gravelly loam	CL, CL-ML, GM, ML	A-2, A-4, A-6	0	0-10	50-100	45-75	40-75	30-65	20-35	2-11
	8-32	Gravelly loam, silt loam, gravelly sandy clay loam	CL, GM, ML, SM	A-2, A-4, A-6	0	0-20	50-100	45-90	40-90	20-80	20-35	2-15
	32-65	Gravelly loam, loam, channery clay loam	CL, GM, ML, SM	A-2, A-4, A-6	0	0-20	50-100	30-80	30-75	20-60	20-35	2-15
BuC:												
Buchanan--------	0-6	Gravelly loam	CL, CL-ML, GM, ML	A-2, A-4, A-6	0	0-10	50-100	45-75	40-75	30-65	20-35	2-11
	6-21	Gravelly loam, silt loam, gravelly sandy clay loam	CL, GM, ML, SM	A-2, A-4, A-6	0	0-20	50-100	45-90	40-90	20-80	20-35	2-15
	21-65	Gravelly loam, loam, channery clay loam	CL, GM, ML, SM	A-2, A-4, A-6	0	0-20	50-100	30-80	30-75	20-60	20-35	2-15
BuD:												
Buchanan--------	0-5	Gravelly loam	CL, CL-ML, GM, ML	A-2, A-4, A-6	0	0-10	50-100	45-75	40-75	30-65	20-35	2-11
	5-20	Gravelly loam, silt loam, gravelly sandy clay loam	CL, GM, ML, SM	A-2, A-4, A-6	0	0-20	50-100	45-90	40-90	20-80	20-35	2-15
	20-65	Gravelly loam, loam, channery clay loam	CL, GM, ML, SM	A-2, A-4, A-6	0	0-20	50-100	30-80	30-75	20-60	20-35	2-15

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
CaB:												
Calvin----------	0-8	Channery loam	CL-ML, ML	A-4	0	0-15	70-95	70-90	65-90	55-75	15-30	2-10
	8-30	Channery silt loam, channery loam, very channery silt loam	GM, ML, SM	A-2, A-4, A-6	0	0-15	70-95	55-90	40-90	30-75	22-38	2-11
	30-35	Extremely channery silt loam, very channery silt loam, very channery loam	GC, GM, SC, SM	A-2, A-4, A-6, A-1	0	0-20	35-75	15-45	15-45	15-40	23-39	3-13
	35-45	Unweathered bedrock			---	---	---	---	---	---	0-14	---
CaC:												
Calvin----------	0-8	Channery loam	CL-ML, ML	A-4	0	0-15	70-95	70-90	65-90	55-75	15-30	2-10
	8-30	Channery silt loam, channery loam, very channery silt loam	GM, ML, SM	A-2, A-4, A-6	0	0-15	70-95	55-90	40-90	30-75	22-38	2-11
	30-35	Extremely channery silt loam, very channery silt loam, very channery loam	GC, GM, SC, SM	A-1, A-2, A-4, A-6	0	0-20	35-75	15-45	15-45	15-40	23-39	3-13
	35-45	Unweathered bedrock			---	---	---	---	---	---	0-14	---

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
CaD:												
Calvin----------	0-6	Channery loam	CL-ML, ML	A-4	0	0-15	70-95	70-90	65-90	55-75	15-30	2-10
	6-30	Channery silt loam, channery loam, very channery silt loam	GM, ML, SM	A-2, A-4, A-6	0	0-15	70-95	55-90	40-90	30-75	22-38	2-11
	30-35	Extremely channery silt loam, very channery silt loam, very channery loam	GC, GM, SC, SM	A-1, A-2, A-4, A-6	0	0-20	35-75	15-45	15-45	15-40	23-39	3-13
	35-45	Unweathered bedrock			---	---	---	---	---	---	0-14	---
CcB:												
Catoctin--------	0-10	Channery loam	CL, GM, ML, SM	A-2, A-4	0	0-25	50-80	35-75	30-65	25-60	0-30	NP-8
	10-22	Channery silt loam, channery silty clay loam, channery loam	CL, GM, SC, SM	A-2, A-4, A-6	0	0-25	50-80	35-75	30-60	25-60	20-34	2-12
	22-28	Very channery silt loam, channery silt loam	GC, GM, SC, SM	A-1, A-2, A-3, A-4	0-1	10-40	30-75	10-60	9-55	7-50	0-28	NP-8
	28-38	Weathered bedrock			---	---	---	---	---	---	---	---
Myersville------	0-8	Channery loam	CL, CL-ML, ML	A-4	0	0-3	80-90	70-80	60-75	45-70	18-28	2-10
	8-38	Silty clay loam, clay loam, channery clay loam	CL	A-6	0	0-3	70-100	60-100	55-90	50-85	28-38	12-20
	38-58	Silt loam, channery silt loam, very channery silty clay loam	CL, CL-ML, GC, GM	A-1, A-2, A-3, A-4	0	0-3	25-90	20-85	12-75	8-60	0-28	NP-10
	58-70	Weathered bedrock			---	---	---	---	---	---	---	---
	70-80	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	
CcC:												
Catoctin--------	0-10	Channery loam	CL, GM, ML, SM	A-2, A-4	0	0-25	50-80	35-75	30-65	25-60	0-30	NP-8
	10-22	Channery silt loam, channery silty clay loam, channery loam	CL, GM, SC, SM	A-2, A-4, A-6	0	0-25	50-80	35-75	30-60	25-60	20-34	2-12
	22-28	Very channery silt loam, channery silt loam	SM, GC, GM, SC	A-1, A-2, A-3, A-4	0-1	10-40	30-75	10-60	9-55	7-50	0-28	NP-8
	28-38	Weathered bedrock			---	---	---	---	---	---	---	---
Myersville------	0-8	Channery loam	CL, CL-ML, ML	A-4	0	0-3	80-90	70-80	60-75	45-70	18-28	2-10
	8-38	Silty clay loam, clay loam, channery clay loam	CL	A-6	0	0-3	70-100	60-100	55-90	50-85	28-38	12-20
	38-58	Silt loam, channery silt loam, very channery silty clay loam	CL, CL-ML, GC, GM	A-1, A-2, A-3, A-4	0	0-3	25-90	20-85	12-75	8-60	0-28	NP-10
	58-70	Weathered bedrock			---	---	---	---	---	---	---	---
	70-80	Unweathered bedrock			---	---	---	---	---	---	---	---
CcD:												
Catoctin--------	0-10	Channery loam	CL, GM, ML, SM	A-2, A-4	0	0-25	50-80	35-75	30-65	25-60	0-30	NP-8
	10-22	Channery silt loam, channery silty clay loam, channery loam	CL, GM, SC, SM	A-2, A-4, A-6	0	0-25	50-80	35-75	30-60	25-60	20-34	2-12
	22-28	Very channery silt loam, channery silt loam	GC, GM, SC, SM	A-1, A-2, A-3, A-4	0-1	10-40	30-75	10-60	9-55	7-50	0-28	NP-8
	28-38	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	
Myersville------	0-8	Channery loam	CL, CL-ML, ML	A-4	0	0-3	80-90	70-80	60-75	45-70	18-28	2-10
	8-38	Silty clay loam, clay loam, channery clay loam	CL	A-6	0	0-3	70-100	60-100	55-90	50-85	28-38	12-20
	38-58	Silt loam, channery silt loam, very channery silty clay loam	CL, CL-ML, GC, GM	A-1, A-2, A-3, A-4	0	0-3	25-90	20-85	12-75	8-60	0-28	NP-10
	58-70	Weathered bedrock			---	---	---	---	---	---	---	---
	70-80	Unweathered bedrock			---	---	---	---	---	---	---	---
CkB:												
Clearbrook------	0-8	Channery silt loam	CL, CL-ML	A-4, A-6	0	5-25	75-90	60-85	55-75	50-70	20-30	6-15
	8-32	Channery silt loam, very channery silty clay loam, channery loam	CL	A-6	0	10-50	75-90	60-85	55-75	50-70	25-40	10-20
	32-38	Very channery silty clay loam, very channery silty clay	CL, GC, SC	A-6, A-7	0	10-50	60-85	50-75	50-65	45-60	35-45	15-25
	38-48	Very channery silt loam, very channery silty clay loam	CL, GC, SC	A-6	0	10-50	50-75	45-70	40-65	35-60	30-45	10-20
Cm:												
Codorus---------	0-16	Silt loam	CL, CL-ML, ML	A-4, A-6	0	0	80-100	70-100	65-100	55-95	22-35	2-12
	16-34	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
	34-72	Stratified gravelly sand to silt	GM, ML, SM	A-1, A-2, A-4	0	0	25-100	20-100	20-85	15-65	0-35	NP-7

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
Cn:												
Codorus---------	0-16	Gravelly sandy loam	CL, CL-ML, ML	A-4, A-6	0	0	80-100	70-100	65-100	55-95	22-35	2-12
	16-34	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
	34-72	Stratified gravelly sand to silt	GM, ML, SM	A-1, A-2, A-4	0	0	25-100	20-100	20-85	15-65	0-35	NP-7
Co:												
Combs----------	0-23	Fine sandy loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0	0	90-100	75-100	60-85	25-55	0-25	NP-5
	23-44	Loam, fine sandy loam, silt loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0	0	90-100	75-100	65-100	30-80	0-25	NP-5
	44-80	Loam, fine sandy loam, sandy clay loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0	0	90-100	75-100	65-100	30-80	0-25	NP-8
Cp:												
Combs----------	0-23	Silt loam	CL-ML, ML, SC-SM, SM	A-4	0	0	90-100	75-100	65-100	45-80	0-25	NP-5
	23-44	Loam, fine sandy loam, silt loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0	0	90-100	75-100	65-100	30-80	0-25	NP-5
	44-80	Loam, fine sandy loam, sandy clay loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0	0	90-100	75-100	65-100	30-80	0-25	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	
DaB:												
Dekalb----------	0-7	Very stony loam, channery loam	CL-ML, GM, ML, SM	A-1, A-2, A-4	0-6	10-30	50-90	45-80	40-75	20-55	10-32	NP-10
	7-28	Channery sandy loam, channery loam, very channery sandy loam	GC-GM, GM, ML, SM	A-1, A-2, A-4	0	5-40	50-85	40-75	40-75	20-55	15-32	NP-9
	28-32	Channery sandy loam, flaggy sandy loam, very flaggy loamy sand	GC, GM, SC, SM	A-1, A-2, A-4	0-1	10-50	45-85	25-75	20-65	15-40	15-32	NP-9
	32-42	Unweathered bedrock			---	---	---	---	---	---	---	---
DaC:												
Dekalb----------	0-7	Very stony loam	CL-ML, GM, ML, SM	A-4, A-1, A-2	0-6	10-30	50-90	45-80	40-75	20-55	10-32	NP-10
	7-28	Channery sandy loam, channery loam, very channery sandy loam	GC-GM, GM, ML, SM	A-1, A-2, A-4	0	5-40	50-85	40-75	40-75	20-55	15-32	NP-9
	28-32	Channery sandy loam, flaggy sandy loam, very flaggy loamy sand	GC, GM, SC, SM	A-1, A-2, A-4	0-1	10-50	45-85	25-75	20-65	15-40	15-32	NP-9
	32-42	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	
DaD:												
Dekalb----------	0-7	Very stony loam	CL-ML, GM, ML, SM	A-1, A-2, A-4	0-6	10-30	50-90	45-80	40-75	20-55	10-32	NP-10
	7-28	Channery sandy loam, channery loam, very channery sandy loam	GC-GM, GM, ML, SM	A-1, A-2, A-4	0	5-40	50-85	40-75	40-75	20-55	15-32	NP-9
	28-32	Channery sandy loam, flaggy sandy loam, very flaggy loamy sand	GC, GM, SC, SM	A-1, A-2, A-4	0-1	10-50	45-85	25-75	20-65	15-40	15-32	NP-9
	32-42	Unweathered bedrock			---	---	---	---	---	---	---	---
DeA:												
Dekalb----------	0-7	Channery loam	CL-ML, GM, ML, SM	A-2, A-4	10-60	50-85	50-90	45-80	40-75	20-55	15-32	NP-7
	7-28	Channery sandy loam, channery loam, very channery sandy loam	GM, ML, SM	A-2, A-4	0-10	5-40	50-85	40-80	40-75	20-55	15-32	NP-7
	28-32	Channery sandy loam, flaggy sandy loam, very flaggy sandy loam	GC, GM, SC, SM	A-2, A-4	0-20	10-50	45-85	35-75	25-65	15-40	15-32	NP-9
	32-42	Unweathered bedrock			---	---	---	---	---	---	---	---
Rock Outcrop----	0-60	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	Plas-ticity index
	In				Pct	Pct					Pct	
DeB:												
Dekalb----------	0-7	Channery loam	CL-ML, GM, ML, SM	A-2, A-4	10-60	50-85	50-90	45-80	40-75	20-55	15-32	NP-7
	7-28	Channery sandy loam, channery loam, very channery sandy loam	GM, ML, SM	A-2, A-4	0-10	5-40	50-85	40-80	40-75	20-55	15-32	NP-7
	28-32	Channery sandy loam, flaggy sandy loam, very flaggy sandy loam	GC, GM, SC, SM	A-2, A-4	0-20	10-50	45-85	35-75	25-65	15-40	15-32	NP-9
	32-42	Unweathered bedrock			---	---	---	---	---	---	---	---
Rock Outcrop----	0-60	Unweathered bedrock			---	---	---	---	---	---	---	---
DeC:												
Dekalb----------	0-7	Channery loam	CL-ML, GM, ML, SM	A-2, A-4	10-60	50-85	50-90	45-80	40-75	20-55	15-32	NP-7
	7-28	Channery sandy loam, channery loam, very channery sandy loam	GM, ML, SM	A-2, A-4	0-10	5-40	50-85	40-80	40-75	20-55	15-32	NP-7
	28-32	Channery sandy loam, flaggy sandy loam, very flaggy sandy loam	GC, GM, SC, SM	A-2, A-4	0-20	10-50	45-85	35-75	25-65	15-40	15-32	NP-9
	32-42	Unweathered bedrock			---	---	---	---	---	---	---	---
Rock Outcrop----	0-60	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	
DeD:												
Dekalb----------	0-7	Channery loam	CL-ML, GM, ML, SM	A-2, A-4	10-60	50-85	50-90	45-80	40-75	20-55	15-32	NP-7
	7-28	Channery sandy loam, channery loam, very channery sandy loam	GM, ML, SM	A-2, A-4	0-10	5-40	50-85	40-80	40-75	20-55	15-32	NP-7
	28-32	Channery sandy loam, flaggy sandy loam, very flaggy sandy loam	GC, GM, SC, SM	A-2, A-4	0-20	10-50	45-85	35-75	25-65	15-40	15-32	NP-9
	32-42	Unweathered bedrock			---	---	---	---	---	---	---	---
Rock Outcrop----	0-60	Unweathered bedrock			---	---	---	---	---	---	---	---
DgF:												
Bagtown---------	0-8	Very stony loam	CL, GM, ML, SM	A-2, A-4	3-15	10-25	50-75	40-70	35-65	30-60	20-30	3-10
	8-15	Gravelly loam, gravelly sandy loam, gravelly silt loam	CL, SC, GC	A-4, A-2, A-6	0-2	0-7	60-80	40-70	35-65	30-60	25-40	9-20
	15-60	Gravelly loam, gravelly sandy loam, gravelly clay loam	CL, GC, SC	A-2, A-4, A-6	0-2	0-10	60-80	40-70	25-60	20-55	25-40	9-20
	60-73	Gravelly loam, gravelly sandy loam	CL, GC, SC	A-2, A-4, A-6	0-2	3-10	60-80	40-70	25-60	20-55	25-35	9-15
	73-93	Very channery loam, very channery sandy loam, loamy sand	GC, GC-GM, SC	A-1, A-2-4	0-2	3-10	30-60	20-25	15-25	5-20	25-35	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	
Dekalb----------	0-7	Very stony loam	CL-ML, GM, ML, SM	A-2, A-4	10-60	50-85	50-90	45-80	40-75	20-55	15-32	NP-7
	7-28	Channery sandy loam, channery loam, very channery sandy loam	GM, ML, SM	A-2, A-4	0-10	5-40	50-85	40-80	40-75	20-55	15-32	NP-7
	28-32	Channery sandy loam, flaggy sandy loam, very flaggy sandy loam	GC, GM, SC, SM	A-2, A-4	0-20	10-50	45-85	35-75	25-65	15-40	15-32	NP-9
	32-42	Unweathered bedrock			---	---	---	---	---	---	---	---
Rock Outcrop----	0-60	Unweathered bedrock			---	---	---	---	---	---	---	---
DhF:												
Dekalb----------	0-7	Extremely stony loam	CL-ML, GM, ML, SM	A-2, A-4	10-60	50-85	50-90	45-80	40-75	20-55	15-32	NP-7
	7-28	Channery sandy loam, channery loam, very channery sandy loam	GM, ML, SM	A-2, A-4	0-10	5-40	50-85	40-80	40-75	20-55	15-32	NP-7
	28-32	Channery sandy loam, flaggy sandy loam, very flaggy sandy loam	GC, GM, SC, SM	A-2, A-4	0-20	10-50	45-85	35-75	25-65	15-40	15-32	NP-9
	32-42	Unweathered bedrock			---	---	---	---	---	---	---	---
Hazleton--------	0-10	Extremely stony sandy loam	GM, ML, SC-SM, SM	A-4	5-20	15-50	60-85	50-80	50-70	35-55	10-25	NP-8
	10-42	Channery sandy loam, channery loam, loam	GM, ML, SC, SM	A-1, A-2, A-4	0-5	0-50	60-95	45-90	35-70	20-55	15-30	NP-8
	42-65	Channery loam, very channery sandy loam, very channery loamy sand	GC, GM, SC, SM	A-1, A-2, A-4	2-10	5-60	50-80	35-75	25-65	15-50	15-30	NP-8
	65-75	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	
Dk:												
Deposit---------	0-4	Gravelly loam	GM, ML, SM	A-2, A-4	0	0-5	60-85	55-75	40-75	30-65	0-30	NP-10
	4-30	Very gravelly sandy loam, gravelly loam, very gravelly silt loam	GC-GM, GM, ML, SM	A-1, A-2, A-4	0-1	5-10	40-75	35-70	15-65	5-60	0-30	NP-10
	30-65	Extremely gravelly loamy sand, very gravelly sandy loam, very gravelly loam	GM, GW-GM, SW-SM	A-1, A-2, A-4	0-2	5-10	25-60	20-55	15-45	5-40	0-14	NP
DnB:												
Deposit---------	0-4	Very stony loam	ML, SM, GM	A-2, A-4	1-3	5-10	60-85	55-75	40-75	30-65	0-30	NP-10
	4-30	Very gravelly sandy loam, gravelly loam, very gravelly silt loam	GC-GM, GM, ML, SM	A-1, A-2, A-4	0-1	5-10	40-75	35-70	15-65	5-60	0-30	NP-10
	30-65	Extremely gravelly loamy sand, very gravelly sandy loam, very gravelly loam	GM, GW-GM	A-1, A-2, A-4	0-2	5-10	25-60	20-55	15-45	5-40	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	
DoA:												
Downsville------	0-10	Gravelly loam	CL, ML, SM	A-2, A-4, A-6	0	0-10	60-85	55-80	45-70	30-65	15-30	3-11
	10-18	Gravelly loam, gravelly sandy loam, gravelly silt loam	CL, GM, ML, SM	A-6, A-2, A-4	0	5-15	60-85	55-80	45-70	30-65	15-30	3-15
	18-30	Very gravelly clay loam, very gravelly sandy clay loam, very gravelly loam	CL, GC, GM, SC	A-2, A-4, A-6	0	5-20	50-80	45-80	40-75	30-70	25-45	3-20
	30-87	Very gravelly clay loam, very gravelly sandy clay loam, very gravelly sandy loam	CL, GC, GM, SC	A-2, A-4, A-6	0	0-15	50-80	45-80	40-75	30-70	15-35	3-15
	87-99	Gravelly loam, gravelly silt loam, loam	CL, ML, SC, SM	A-2, A-4, A-6	0	0-1	60-85	55-80	45-70	30-65	15-35	3-15
DoB:												
Downsville------	0-10	Gravelly loam	CL, ML, SM	A-2, A-4, A-6	0	0-10	60-85	55-80	45-70	30-65	15-30	3-11
	10-18	Gravelly loam, gravelly sandy loam, gravelly silt loam	CL, GM, ML, SM	A-2, A-4, A-6	0	5-15	60-85	55-80	45-70	30-65	15-30	3-15
	18-30	Very gravelly clay loam, very gravelly sandy clay loam, very gravelly loam	CL, GC, GM, SC	A-2, A-4, A-6	0	5-20	50-80	45-80	40-75	30-70	25-45	3-20
	30-87	Very gravelly clay loam, very gravelly sandy clay loam, very gravelly sandy loam	CL, GC, GM, SC	A-2, A-4, A-6	0	0-15	50-80	45-80	40-75	30-70	15-35	3-15
	87-99	Gravelly loam, gravelly silt loam, loam	CL, ML, SC, SM	A-2, A-4, A-6	0	0-1	60-85	55-80	45-70	30-65	15-35	3-15

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	
DoC:												
Downsville------	0-7	Gravelly loam	CL, ML, SM	A-2, A-4, A-6	0	0-10	60-85	55-80	45-70	30-65	15-30	3-11
	7-18	Gravelly loam, gravelly sandy loam, gravelly silt loam	CL, GM, ML, SM	A-2, A-4, A-6	0	5-15	60-85	55-80	45-70	30-65	15-30	3-15
	18-30	Very gravelly clay loam, very gravelly sandy clay loam, very gravelly loam	CL, GC, GM, SC	A-2, A-4, A-6	0	5-20	50-80	45-80	40-75	30-70	25-45	3-20
	30-87	Very gravelly clay loam, very gravelly sandy clay loam, very gravelly sandy loam	CL, GC, GM, SC	A-2, A-4, A-6	0	0-15	50-80	45-80	40-75	30-70	15-35	3-15
	87-99	Gravelly loam, gravelly silt loam, loam	CL, ML, SC, SM	A-2, A-4, A-6	0	0-1	60-85	55-80	45-70	30-65	15-35	3-15
DoD:												
Downsville------	0-5	Gravelly loam	CL, ML, SM	A-2, A-4, A-6	0	0-10	60-85	55-80	45-70	30-65	15-30	3-11
	5-18	Gravelly loam, gravelly sandy loam, gravelly silt loam	CL, GM, ML, SM	A-2, A-4, A-6	0	5-15	60-85	55-80	45-70	30-65	15-30	3-15
	18-30	Very gravelly clay loam, very gravelly sandy clay loam, very gravelly loam	CL, GC, GM, SC	A-2, A-4, A-6	0	5-20	50-80	45-80	40-75	30-70	25-45	3-20
	30-87	Very gravelly clay loam, very gravelly sandy clay loam, very gravelly sandy loam	CL, GC, GM, SC	A-2, A-4, A-6	0	0-15	50-80	45-80	40-75	30-70	15-35	3-15
	87-99	Gravelly loam, gravelly silt loam, loam	CL, ML, SC, SM	A-2, A-4, A-6	0	0-1	60-85	55-80	45-70	30-65	15-35	3-15

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	
DoE:												
Downsville------	0-5	Gravelly loam	CL, ML, SM	A-2, A-4, A-6	0	0-10	60-85	55-80	45-70	30-65	15-30	3-11
	5-18	Gravelly loam, gravelly sandy loam, gravelly silt loam	CL, GM, ML, SM	A-2, A-4, A-6	0	5-15	60-85	55-80	45-70	30-65	15-30	3-15
	18-30	Very gravelly clay loam, very gravelly sandy clay loam, very gravelly loam	CL, GC, GM, SC	A-2, A-4, A-6	0	5-20	50-80	45-80	40-75	30-70	25-45	3-20
	30-87	Very gravelly clay loam, very gravelly sandy clay loam, very gravelly sandy loam	CL, GC, GM, SC	A-2, A-4, A-6	0	0-15	50-80	45-80	40-75	30-70	15-35	3-15
	87-99	Gravelly loam, gravelly silt loam, loam	CL, ML, SC, SM	A-2, A-4, A-6	0	0-1	60-85	55-80	45-70	30-65	15-35	3-15
DrA:												
Dryrun----------	0-12	Gravelly loam	CL, CL-ML, GM, ML	A-2, A-4	0-1	0-10	50-80	40-70	40-70	30-65	20-35	3-11
	12-27	Gravelly silt loam, gravelly clay loam, gravelly loam	CL, CL-ML, GM, ML	A-2, A-4	0-3	0-10	50-80	40-80	40-70	30-65	20-35	3-15
	27-43	Extremely gravelly clay loam, extremely gravelly sandy clay loam, extremely gravelly loam	GC, GC-GM, GM, SC-SM	A-1, A-2, A-4	0-5	3-15	40-70	40-70	30-65	15-55	20-35	3-15
	43-74	Extremely gravelly clay loam, extremely gravelly sandy clay loam, extremely gravelly loam	GC, GC-GM, GM, SC-SM	A-1, A-2, A-4	0-5	3-15	40-70	40-70	30-65	15-50	20-35	3-15

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	
DrB:												
Dryrun----------	0-12	Gravelly loam	CL, CL-ML, GM, ML	A-2, A-4	0-1	0-10	50-80	40-70	40-70	30-65	20-35	3-11
	12-27	Gravelly silt loam, gravelly clay loam, gravelly loam	CL, CL-ML, GM, ML	A-2, A-4	0-3	0-10	50-80	40-80	40-70	30-65	20-35	3-15
	27-43	Extremely gravelly clay loam, extremely gravelly sandy clay loam, extremely gravelly loam	GC, GC-GM, GM, SC-SM	A-1, A-2, A-4	0-5	3-15	40-70	40-70	30-65	15-55	20-35	3-15
	43-74	Extremely gravelly clay loam, extremely gravelly sandy clay loam, extremely gravelly loam	GC, GC-GM, GM, SC-SM	A-1, A-2, A-4	0-5	3-15	40-70	40-70	30-65	15-50	20-35	3-15
DsA:												
Duffield--------	0-10	Silt loam	CL, CL-ML, ML	A-4, A-6, A-7	0	0	85-100	85-100	80-100	70-95	20-50	5-20
	10-56	Silty clay loam, silty clay, channery loam	CH, CL, MH, ML	A-4, A-6, A-7	0	0-10	65-100	60-100	55-100	55-95	30-55	8-22
	56-65	Channery silt loam, loam, clay	GM, MH, ML, SM	A-5, A-7	0	0-20	65-100	50-100	45-90	40-90	40-60	9-29
DsB:												
Duffield--------	0-9	Silt loam	CL, CL-ML, ML	A-4, A-6, A-7	0	0	85-100	85-100	80-100	70-95	20-50	5-20
	9-54	Silty clay loam, silty clay, channery loam	CH, CL, MH, ML	A-4, A-6, A-7	0	0-10	65-100	60-100	55-100	55-95	30-55	8-22
	54-65	Channery silt loam, loam, clay	GM, MH, ML, SM	A-5, A-7	0	0-20	65-100	50-100	45-90	40-90	40-60	9-29

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	
DsC:												
Duffield--------	0-7	Silt loam	ML, CL, CL-ML	A-4, A-6, A-7	0	0	85-100	85-100	80-100	70-95	20-50	5-20
	7-54	Silty clay loam, silty clay, channery loam	CH, CL, MH, ML	A-4, A-6, A-7	0	0-10	65-100	60-100	55-100	55-95	30-55	8-22
	54-65	Channery silt loam, loam, clay	GM, MH, ML, SM	A-5, A-7	0	0-20	65-100	50-100	45-90	40-90	40-60	9-29
DsD:												
Duffield--------	0-7	Silt loam	CL, CL-ML, ML	A-4, A-6, A-7	0	0	85-100	85-100	80-100	70-95	20-50	5-20
	7-54	Silty clay loam, silty clay, channery loam	CH, CL, MH, ML	A-4, A-6, A-7	0	0-10	65-100	60-100	55-100	55-95	30-55	8-22
	54-65	Channery silt loam, loam, clay	GM, MH, ML, SM	A-5, A-7	0	0-20	65-100	50-100	45-90	40-90	40-60	9-29
DuB:												
Duffield--------	0-7	Silt loam	CL, CL-ML, ML	A-4, A-6, A-7	0	0	85-100	85-100	80-100	70-95	20-50	5-20
	7-54	Silty clay loam, silty clay, channery loam	CH, CL, MH, ML	A-4, A-6, A-7	0	0-10	65-100	60-100	55-100	55-95	30-55	8-22
	54-65	Channery silt loam, loam, clay	GM, MH, ML, SM	A-5, A-7	0	0-20	65-100	50-100	45-90	40-90	40-60	9-29
DuC:												
Duffield--------	0-7	Silt loam	CL, CL-ML, ML	A-4, A-6, A-7	0	0	85-100	85-100	80-100	70-95	20-50	5-20
	7-54	Silty clay loam, silty clay, channery loam	CH, CL, MH, ML	A-4, A-6, A-7	0	0-10	65-100	60-100	55-100	55-95	30-55	8-22
	54-65	Channery silt loam, loam, clay	GM, MH, ML, SM	A-5, A-7	0	0-20	65-100	50-100	45-90	40-90	40-60	9-29

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	
DvB:												
Duffield--------	0-5	Silt loam	CL, CL-ML, ML	A-4, A-6, A-7	0	0	85-100	85-100	80-100	70-95	20-50	5-20
	5-54	Silty clay loam, silty clay, channery loam	CH, CL, MH, ML	A-4, A-6, A-7	0	0-10	65-100	60-100	55-100	55-95	30-55	8-22
	54-65	Channery silt loam, loam, clay	GM, MH, ML, SM	A-5, A-7	0	0-20	65-100	50-100	45-90	40-90	40-60	9-29
Rock Outcrop----	0-60	Unweathered bedrock			---	---	---	---	---	---	---	---
DvC:												
Duffield--------	0-5	Silt loam	CL, CL-ML, ML	A-4, A-6, A-7	0	0	85-100	85-100	80-100	70-95	20-50	5-20
	5-54	Silty clay loam, silty clay, channery loam	CH, CL, MH, ML	A-4, A-6, A-7	0	0-10	65-100	60-100	55-100	55-95	30-55	8-22
	54-65	Channery silt loam, loam, clay	GM, MH, ML, SM	A-5, A-7	0	0-20	65-100	50-100	45-90	40-90	40-60	9-29
Rock Outcrop----	0-60	Unweathered bedrock			---	---	---	---	---	---	---	---
DvD:												
Duffield--------	0-7	Silt loam	CL, CL-ML, ML	A-4, A-6, A-7	0	0	85-100	85-100	80-100	70-95	20-50	5-20
	7-54	Silty clay loam, silty clay, channery loam	CH, CL, MH, ML	A-4, A-6, A-7	0	0-10	65-100	60-100	55-100	55-95	30-55	8-22
	54-65	Channery silt loam, loam, clay	GM, MH, ML, SM	A-5, A-7	0	0-20	65-100	50-100	45-90	40-90	40-60	9-29
Rock Outcrop----	0-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Fa:												
Fairplay--------	0-15	Marly silt loam	CL-ML, ML	A-4, A-6	0	0	95-100	80-100	80-95	60-85	20-30	3-11
	15-27	Marly sandy loam	CL, CL-ML, ML, SM	A-4, A-6	0	0	95-100	80-100	80-95	45-85	20-30	3-11
	27-47	Marly loamy sand	CL, CL-ML, ML, SM	A-4, A-6	0	0	95-100	80-100	80-95	45-85	16-30	3-11
	47-79	Marly sandy loam	CL, CL-ML, ML, SM	A-4, A-6	0	0	95-100	80-100	80-95	45-85	16-30	3-11

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	
FO:												
Foxville--------	0-4	Extremely stony silt loam	CL, CL-ML	A-4	50-80	15-30	80-95	70-95	60-80	55-75	21-30	4-11
	4-43	Extremely stony silt loam, extremely stony loam, very cobbly silt loam	CL, CL-ML	A-4	0-20	20-50	80-95	75-95	65-85	60-75	21-30	4-11
	43-58	Silt loam, loam, gravelly silt loam	CL, CL-ML	A-4, A-6	0-10	0-10	85-100	65-80	60-75	55-70	24-34	7-15
Hatboro---------	0-8	Silt loam	ML, CL	A-4, A-6	0	0	95-100	90-100	70-100	60-90	22-35	2-12
	8-38	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
	38-72	Stratified gravelly sand to clay	GC, GM, SC, SM	A-1, A-2	0	0	50-85	45-80	45-80	15-35	0-32	NP-14
Ft:												
Funkstown-------	0-12	Silt loam	CL, ML	A-4, A-6	0	0	95-100	85-100	80-100	65-80	15-30	3-11
	12-29	Gravelly silt loam, gravelly silty clay loam, very gravelly loam	CL, ML, SM	A-2, A-4, A-6	0	0	65-90	60-85	55-80	30-70	15-35	3-15
	29-45	Silty clay loam, clay loam, loam	CL, ML	A-4, A-6, A-7	0	0	95-100	90-100	80-90	65-80	20-45	3-20
	45-80	Channery silt loam, channery silty clay loam, channery loam	CL, ML	A-4, A-6, A-7	0	0	65-90	60-85	55-80	50-70	20-45	3-20
HaA:												
Hagerstown------	0-10	Silt loam	CL, CL-ML	A-4, A-6, A-7	0	0-15	85-100	80-100	80-100	70-95	25-50	5-25
	10-17	Clay, clay loam, loam	CH, CL	A-7	0	0-5	90-100	80-100	75-100	55-95	48-65	26-34
	17-71	Clay, silty clay, silty clay loam	CH, CL	A-6, A-7	0-1	0-5	85-100	80-100	75-100	75-95	30-70	15-40

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	
HaB:												
Hagerstown------	0-10	Silt loam	CL, CL-ML	A-4, A-6, A-7	0	0-15	85-100	80-100	80-100	70-95	25-50	5-25
	10-17	Clay, clay loam, loam	CH, CL	A-7	0	0-5	90-100	80-100	75-100	55-95	48-65	26-34
	17-71	Clay, silty clay, silty clay loam	CH, CL	A-6, A-7	0-1	0-5	85-100	80-100	75-100	75-95	30-70	15-40
HaC:												
Hagerstown------	0-7	Silt loam	CL, CL-ML	A-4, A-6, A-7	0	0-15	85-100	80-100	80-100	70-95	25-50	5-25
	7-19	Clay, clay loam, loam	CH, CL	A-7	0	0-5	90-100	80-100	75-100	55-95	48-65	26-34
	19-65	Clay, silty clay, silty clay loam	CH, CL	A-6, A-7	0-1	0-5	85-100	80-100	75-100	75-95	30-70	15-40
HaD:												
Hagerstown------	0-7	Silt loam	CL, CL-ML	A-4, A-6, A-7	0	0-15	85-100	80-100	80-100	70-95	25-50	5-25
	7-17	Clay, clay loam, loam	CH, CL	A-7	0	0-5	90-100	80-100	75-100	55-95	48-65	26-34
	17-65	Clay, silty clay, silty clay loam	CH, CL	A-6, A-7	0-1	0-5	85-100	80-100	75-100	75-95	30-70	15-40
HbB:												
Hagerstown------	0-7	Silty clay loam	CL, CL-ML	A-4, A-6, A-7	0	0-15	85-100	80-100	80-100	70-95	25-50	5-25
	7-19	Clay, clay loam, loam	CH, CL	A-7	0	0-5	90-100	80-100	75-100	55-95	48-65	26-34
	19-65	Clay, silty clay, silty clay loam	CH, CL	A-6, A-7	0-2	0-5	85-100	80-100	75-100	75-95	30-70	15-40
HbC:												
Hagerstown------	0-7	Silty clay loam	CL, CL-ML	A-4, A-6, A-7	0	0-15	85-100	80-100	80-100	70-95	25-50	5-25
	7-19	Clay, clay loam, loam	CH, CL	A-7	0	0-5	90-100	80-100	75-100	55-95	48-65	26-34
	19-65	Clay, silty clay, silty clay loam	CH, CL	A-6, A-7	0-2	0-5	85-100	80-100	75-100	75-95	30-70	15-40
HbD:												
Hagerstown------	0-5	Silty clay loam	CL, CL-ML	A-4, A-6, A-7	0	0-15	85-100	80-100	80-100	70-95	25-50	5-25
	5-9	Clay, clay loam, loam	CH, CL	A-7	0	0-5	90-100	80-100	75-100	55-95	48-65	26-34
	9-65	Clay, silty clay, silty clay loam	CH, CL	A-6, A-7	0-2	0-5	85-100	80-100	75-100	75-95	30-70	15-40

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	
HcB:												
Hagerstown------	0-5	Silty clay loam	CL, CL-ML	A-4, A-6, A-7	0	0-15	85-100	80-100	80-100	70-95	25-50	5-25
	5-9	Clay, clay loam, loam	CH, CL	A-7	0	0-5	90-100	80-100	75-100	55-95	48-65	26-34
	9-65	Clay, silty clay, silty clay loam	CH, CL	A-6, A-7	0-2	0-5	85-100	80-100	75-100	75-95	30-70	15-40
Rock Outcrop----	0-60	Unweathered bedrock			---	---	---	---	---	---	---	---
HcC:												
Hagerstown------	0-5	Silty clay loam	CL, CL-ML	A-4, A-6, A-7	0	0-15	85-100	80-100	80-100	70-95	25-50	5-25
	5-9	Clay, clay loam, loam	CH, CL	A-7	0	0-5	90-100	80-100	75-100	55-95	48-65	26-34
	9-65	Clay, silty clay, silty clay loam	CH, CL	A-6, A-7	0-2	0-5	85-100	80-100	75-100	75-95	30-70	15-40
Rock Outcrop----	0-60	Unweathered bedrock			---	---	---	---	---	---	---	---
HcD:												
Hagerstown------	0-5	Silty clay loam	CL, CL-ML	A-4, A-6, A-7	0	0-15	85-100	80-100	80-100	70-95	25-50	5-25
	5-9	Clay, clay loam, loam	CH, CL	A-7	0	0-5	90-100	80-100	75-100	55-95	48-65	26-34
	9-65	Clay, silty clay, silty clay loam	CH, CL	A-6, A-7	0-2	0-5	85-100	80-100	75-100	75-95	30-70	15-40
Rock Outcrop----	0-60	Unweathered bedrock			---	---	---	---	---	---	---	---
HdB:												
Duffield--------	0-9	Silt loam	CL-ML, ML, CL	A-4, A-6, A-7	0	0	85-100	85-100	80-100	70-95	20-50	5-20
	9-54	Silty clay loam, silty clay, channery loam	CH, CL, MH, ML	A-4, A-6, A-7	0	0-10	65-100	60-100	55-100	55-95	30-55	8-22
	54-65	Channery silt loam, loam, clay	GM, MH, ML, SM	A-5, A-7	0	0-20	65-100	50-100	45-90	40-90	40-60	9-29

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	
Hagerstown------	0-10	Silty clay loam	CL, CL-ML	A-4, A-6, A-7	0	0-15	85-100	80-100	80-100	70-95	25-50	5-25
	10-17	Clay, clay loam, loam	CH, CL	A-7	0	0-5	90-100	80-100	75-100	55-95	48-65	26-34
	17-71	Clay, silty clay, silty clay loam	CH, CL	A-6, A-7	0-1	0-5	85-100	80-100	75-100	75-95	30-70	15-40
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
HdD:												
Duffield--------	0-7	Silt loam	CL, CL-ML, ML	A-4, A-6, A-7	0	0	85-100	85-100	80-100	70-95	20-50	5-20
	7-54	Silty clay loam, silty clay, channery loam	CH, CL, MH, ML	A-4, A-6, A-7	0	0-10	65-100	60-100	55-100	55-95	30-55	8-22
	54-65	Channery silt loam, loam, clay	GM, MH, ML, SM	A-5, A-7	0	0-20	65-100	50-100	45-90	40-90	40-60	9-29
Hagerstown------	0-7	Silty clay loam	CL, CL-ML	A-4, A-6, A-7	0	0-15	85-100	80-100	80-100	70-95	25-50	5-25
	7-19	Clay, clay loam, loam	CH, CL	A-7	0	0-5	90-100	80-100	75-100	55-95	48-65	26-34
	19-65	Clay, silty clay, silty clay loam	CH, CL	A-6, A-7	0-1	0-5	85-100	80-100	75-100	75-95	30-70	15-40
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
HgB:												
Hagerstown------	0-5	Silty clay loam	CL, CL-ML	A-4, A-6, A-7	0	0-15	85-100	80-100	80-100	70-95	25-50	5-25
	5-9	Clay, clay loam, loam	CH, CL	A-7	0	0-5	90-100	80-100	75-100	55-95	48-65	26-34
	9-65	Clay, silty clay, silty clay loam	CH, CL	A-6, A-7	0-2	0-5	85-100	80-100	75-100	75-95	30-70	15-40
Opequon---------	0-2	Silty clay loam	CH, CL	A-6, A-7	0	0-5	85-100	80-100	80-100	75-95	30-55	10-30
	2-18	Gravelly silty clay loam, silty clay loam, clay, silty clay	CH, CL	A-6, A-7	0-5	0-10	80-100	60-100	60-100	55-95	35-65	15-40
	18-28	Unweathered bedrock			---	---	---	---	---	---	---	---
Rock Outcrop----	0-60	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	
Hh:												
Hatboro---------	0-8	Silt loam	CL, ML	A-4, A-6	0	0	95-100	90-100	70-100	60-90	22-35	2-12
	8-39	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
	39-50	Gravelly sandy clay loam, sandy loam, silt loam	CL, ML, SC, SM	A-4	0	0	75-100	70-100	60-90	45-60	22-30	2-10
	50-72	Stratified gravelly sand to clay	GC, GM, SC, SM	A-1, A-2	0	0	50-85	45-80	45-80	15-35	0-32	NP-14
HnB:												
Hazel----------	0-10	Channery silt loam	GM, ML, SM	A-4	0-2	0-5	60-80	50-75	45-70	35-65	20-32	NP-8
	10-20	Channery fine sandy loam, channery sandy loam, channery silt loam	GM, ML, SM	A-1, A-2, A-4	0-5	0-30	65-95	50-95	30-95	15-85	20-32	NP-8
	20-27	Channery fine sandy loam, channery loam, channery silt loam	GM, ML, SM	A-1, A-2, A-4	0-10	10-30	60-80	45-70	30-70	20-60	20-32	NP-8
	27-77	Unweathered bedrock			---	---	---	---	---	---	---	---
HnC:												
Hazel----------	0-10	Channery silt loam	GM, ML, SM	A-4	0-2	0-5	60-80	50-75	45-70	35-65	20-32	NP-8
	10-20	Channery fine sandy loam, channery sandy loam, channery silt loam	GM, ML, SM	A-1, A-2, A-4	0-5	0-30	65-95	50-95	30-95	15-85	20-32	NP-8
	20-27	Channery fine sandy loam, channery loam, channery silt loam	GM, ML, SM	A-2, A-4, A-1	0-10	10-30	60-80	45-70	30-70	20-60	20-32	NP-8
	27-77	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	
HnD:												
Hazel----------	0-2	Channery silt loam	GM, ML, SM	A-4	0-2	0-5	60-80	50-75	45-70	35-65	20-32	NP-8
	2-15	Channery fine sandy loam, channery sandy loam, channery silt loam	GM, ML, SM	A-1, A-2, A-4	0-5	0-30	65-95	50-95	30-95	15-85	20-32	NP-8
	15-27	Channery fine sandy loam, channery loam, channery silt loam	GM, ML, SM	A-1, A-2, A-4	0-10	10-30	60-80	45-70	30-70	20-60	20-32	NP-8
	27-77	Unweathered bedrock			---	---	---	---	---	---	---	---
HrE:												
Hazel----------	0-2	Channery silt loam	GM, ML, SM	A-4	0-2	0-5	60-80	50-75	45-70	35-65	20-32	NP-8
	2-30	Channery fine sandy loam, channery sandy loam, channery silt loam	GM, ML, SM	A-1, A-2, A-4	0-5	0-30	65-95	50-95	30-95	15-85	20-32	NP-8
	30-50	Channery fine sandy loam, channery loam, channery silt loam	SM, GM, ML	A-1, A-2, A-4	0-10	10-30	60-80	45-70	30-70	20-60	20-32	NP-8
	50-72	Unweathered bedrock			---	---	---	---	---	---	---	---
Rock Outcrop----	0-60	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	
HsD:												
Hazleton--------	0-10	Extremely stony sandy loam	GM, ML, SC-SM, SM	A-4	5-20	15-50	60-85	50-80	50-70	35-55	10-25	NP-8
	10-42	Channery sandy loam, channery loam, loam	GM, ML, SC, SM	A-1, A-2, A-4	0-5	0-50	60-95	45-90	35-70	20-55	15-30	NP-8
	42-65	Channery loam, very channery sandy loam, very channery loamy sand	GC, GM, SC, SM	A-1, A-2, A-4	2-10	5-60	50-80	35-75	25-65	15-50	15-30	NP-8
	65-75	Unweathered bedrock			---	---	---	---	---	---	---	---
HsE:												
Hazleton--------	0-10	Extremely stony sandy loam	GM, ML, SC-SM, SM	A-4	5-20	15-50	60-85	50-80	50-70	35-55	10-25	NP-8
	10-42	Channery sandy loam, channery loam, loam	GM, ML, SC, SM	A-1, A-2, A-4	0-5	0-50	60-95	45-90	35-70	20-55	15-30	NP-8
	42-65	Channery loam, very channery sandy loam, very channery loamy sand	GC, GM, SC, SM	A-1, A-2, A-4	2-10	5-60	50-80	35-75	25-65	15-50	15-30	NP-8
	65-75	Unweathered bedrock			---	---	---	---	---	---	---	---
HtB:												
Highfield-------	0-10	Very stony silt loam	ML, GM	A-4	---	3-15	55-100	55-100	45-95	40-95	0-14	---
	10-34	Silt loam, channery silt loam, channery loam	GM, ML, SM	A-4, A-6, A-7	---	0-10	55-85	50-80	45-70	40-55	30-49	5-19
	34-60	Channery silt loam, channery loam, very channery silt loam	SM, GM	A-2, A-4, A-5, A-7	---	0-20	45-75	25-70	20-55	20-40	30-45	3-13
	60-64	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	
HtC:												
Highfield-------	0-10	Very stony silt loam	GM, ML	A-4	---	3-15	55-100	55-100	45-95	40-95	0-14	---
	10-34	Silt loam, channery silt loam, channery loam	GM, ML, SM	A-4, A-6, A-7	---	0-10	55-85	50-80	45-70	40-55	30-49	5-19
	34-60	Channery silt loam, channery loam, very channery silt loam	GM, SM	A-2, A-4, A-5, A-7	---	0-20	45-75	25-70	20-55	20-40	30-45	3-13
	60-64	Unweathered bedrock			---	---	---	---	---	---	---	---
HtD:												
Highfield-------	0-10	Very stony silt loam	GM, ML	A-4	---	3-15	55-100	55-100	45-95	40-95	0-14	---
	10-34	Silt loam, channery silt loam, channery loam	GM, ML, SM	A-4, A-6, A-7	---	0-10	55-85	50-80	45-70	40-55	30-49	5-19
	34-60	Channery silt loam, channery loam, very channery silt loam	GM, SM	A-2, A-4, A-5, A-7	---	0-20	45-75	25-70	20-55	20-40	30-45	3-13
	60-64	Unweathered bedrock			---	---	---	---	---	---	---	---
KcB:												
Klinesville-----	0-6	Channery loam	GC-GM, GM, SM	A-2, A-4	0	0-10	55-85	45-60	35-50	25-40	10-20	NP-5
	6-8	Channery silt loam, very channery silt loam	GM, GP, SM, SP	A-1, A-2, A-4	0	0-10	25-75	15-55	10-50	4-40	20-35	NP-9
	8-14	Channery silt loam, very channery silt loam	GM, SM	A-1, A-2	0	0-20	15-60	10-50	10-40	4-30	20-35	NP-7
	14-24	Weathered bedrock			---	---	---	---	---	---	0-14	---

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
Calvin----------	0-6	Channery loam	CL-ML, ML	A-4	0	0-15	70-95	70-90	65-90	55-75	15-30	2-10
	6-30	Channery silt loam, channery loam, very channery silt loam	GM, ML, SM	A-2, A-4, A-6	0	0-15	70-95	55-90	40-90	30-75	22-38	2-11
	30-35	Extremely channery silt loam, very channery silt loam, very channery loam	GC, GM, SC, SM	A-1, A-2, A-4, A-6	0	0-20	35-75	15-45	15-45	15-40	23-39	3-13
	35-45	Unweathered bedrock			---	---	---	---	---	---	0-14	---
KcC:												
Klinesville-----	0-6	Channery loam	GC-GM, GM, SM	A-2, A-4	0	0-10	55-85	45-60	35-50	25-40	10-20	NP-5
	6-8	Channery silt loam, very channery silt loam	GM, GP, SM, SP	A-1, A-2, A-4	0	0-10	25-75	15-55	10-50	4-40	20-35	NP-9
	8-14	Channery silt loam, very channery silt loam	GM, SM	A-1, A-2	0	0-20	15-60	10-50	10-40	4-30	20-35	NP-7
	14-24	Weathered bedrock			---	---	---	---	---	---	0-14	---
Calvin----------	0-6	Channery loam	CL-ML, ML	A-4	0	0-15	70-95	70-90	65-90	55-75	15-30	2-10
	6-30	Channery silt loam, channery loam, very channery silt loam	GM, ML, SM	A-2, A-4, A-6	0	0-15	70-95	55-90	40-90	30-75	22-38	2-11
	30-35	Extremely channery silt loam, very channery silt loam, very channery loam	GC, GM, SC, SM	A-1, A-2, A-4, A-6	0	0-20	35-75	15-45	15-45	15-40	23-39	3-13
	35-45	Unweathered bedrock			---	---	---	---	---	---	0-14	---

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
KcD:												
Klinesville-----	0-6	Channery loam	GC-GM, GM, SM	A-2, A-4	0	0-10	55-85	45-60	35-50	25-40	10-20	NP-5
	6-8	Channery silt loam, very channery silt loam	GM, GP, SM, SP	A-1, A-2, A-4	0	0-10	25-75	15-55	10-50	4-40	20-35	NP-9
	8-14	Channery silt loam, very channery silt loam	GM, SM	A-1, A-2	0	0-20	15-60	10-50	10-40	4-30	20-35	NP-7
	14-24	Weathered bedrock			---	---	---	---	---	---	0-14	---
Calvin----------	0-6	Channery loam	CL-ML, ML	A-4	0	0-15	70-95	70-90	65-90	55-75	15-30	2-10
	6-30	Channery silt loam, channery loam, very channery silt loam	GM, ML, SM	A-2, A-4, A-6	0	0-15	70-95	55-90	40-90	30-75	22-38	2-11
	30-35	Extremely channery silt loam, very channery silt loam, very channery loam	GC, GM, SC, SM	A-1, A-2, A-4, A-6	0	0-20	35-75	15-45	15-45	15-40	23-39	3-13
	35-45	Unweathered bedrock			---	---	---	---	---	---	0-14	---
KcF:												
Klinesville-----	0-6	Channery loam	GC-GM, GM, SM	A-2, A-4	0	0-10	55-85	45-60	35-50	25-40	10-20	NP-5
	6-8	Channery silt loam, very channery silt loam	GM, GP, SM, SP	A-1, A-2, A-4	0	0-10	25-75	15-55	10-50	4-40	20-35	NP-9
	8-14	Channery silt loam, very channery silt loam	GM, SM	A-1, A-2	0	0-20	15-60	10-50	10-40	4-30	20-35	NP-7
	14-24	Weathered bedrock			---	---	---	---	---	---	0-14	---

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
Calvin----------	0-6	Channery loam	CL-ML, ML	A-4	0	0-15	70-95	70-90	65-90	55-75	15-30	2-10
	6-30	Channery silt loam, channery loam, very channery silt loam	GM, ML, SM	A-2, A-4, A-6	0	0-15	70-95	55-90	40-90	30-75	22-38	2-11
	30-35	Extremely channery silt loam, very channery silt loam, very channery loam	GC, GM, SC, SM	A-1, A-2, A-4, A-6	0	0-20	35-75	15-45	15-45	15-40	23-39	3-13
	35-45	Unweathered bedrock			---	---	---	---	---	---	0-14	---
LaB:												
Lantz----------	0-9	Extremely stony silt loam	CL-ML, ML	A-4	---	0-5	90-100	85-100	70-95	65-90	20-35	3-15
	9-47	Clay loam, silty clay loam, clay	CH, CL	A-6, A-7	---	0-20	70-100	70-100	60-90	55-85	30-55	10-25
	47-52	Loam, sandy loam, gravelly sandy loam	GM, ML, SM	A-2, A-4	---	10-25	65-95	55-90	50-85	30-85	20-40	3-15
	52-62	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	
Rohrersville----	0-9	Extremely stony silt loam	CL, CL-ML, GC	A-4, A-6	0-6	3-20	50-90	45-75	40-75	30-65	21-34	7-13
	9-25	Gravelly silt loam, silt loam, loam	CL, CL-ML, GC	A-4, A-6	0-3	0-20	50-95	45-75	40-75	30-65	21-34	7-13
	25-31	Gravelly silt loam, silt loam, silty clay loam, silty clay	CL, GC, SC	A-4, A-6	0-3	0-20	50-100	45-80	40-75	30-65	25-38	8-16
	31-55	Gravelly silt loam, silt loam, silty clay loam, silty clay	CL, GC, SC	A-4, A-6	0-3	0-20	50-100	45-80	40-75	30-65	25-38	8-16
	55-62	Gravelly silt loam, silt loam, silty clay loam, clay	CL, GC, SC	A-4, A-6	0-3	0-20	50-100	45-80	40-75	30-65	25-38	8-16
	62-70	Unweathered bedrock			---	---	---	---	---	---	---	---
Lb:												
Lappans---------	0-7	Marly loam	CL-ML, ML	A-4, A-6	0	0	100	95-100	85-95	50-85	20-30	3-11
	7-42	Marly sandy loam	CL, CL-ML, ML, SM	A-4, A-6	0	0	100	95-100	90-100	45-85	20-30	3-11
	42-64	Marly clay loam	CL, CL-ML, ML, SM	A-4, A-6	0	0	100	95-100	85-95	45-85	15-30	3-11
	64-99	Marly loam	CL, CL-ML, ML, SM	A-4, A-6	0	0	100	95-100	80-95	45-85	15-30	3-11
Ln:												
Lindside--------	0-13	Silt loam	CL, CL-ML, ML	A-4, A-6	0	0	100	95-100	80-100	55-90	20-35	2-15
	13-46	Silty clay loam, silt loam, very fine sandy loam	CL, CL-ML	A-4, A-6	0	0	100	95-100	90-100	70-95	25-40	4-18
	46-65	Stratified gravelly sandy loam to silty clay loam	CL, SC	A-2, A-4, A-6	0	0	60-100	55-100	45-100	30-95	20-40	4-18

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	
Me:												
Melvin----------	0-8	Silt loam	CL-ML, ML	A-4	0	0	95-100	90-100	80-100	80-95	25-35	4-10
	8-46	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	80-100	80-95	25-40	5-20
	46-60	Silt loam, silty clay loam, loam	CL-ML, CL	A-4, A-6	0	0	85-100	80-100	70-100	60-95	25-40	5-20
MgA:												
Monongahela-----	0-8	Silt loam	CL-ML, ML, SC-SM, SM	A-4	0	0-5	90-100	85-100	75-100	45-90	20-35	1-10
	8-30	Silt loam, clay loam, gravelly loam	CL, CL-ML	A-4, A-6	0	0-15	90-100	80-100	75-100	70-90	20-40	5-15
	30-51	Silt loam, sandy clay loam, gravelly loam	CL, ML, SC, SM	A-4, A-6	0	0-10	80-100	60-100	55-95	45-95	20-40	3-15
	51-65	Silt loam, clay loam, gravelly sandy loam	CL, ML, SC, SM	A-4, A-6	0	10-20	75-100	60-90	60-85	40-85	20-40	1-15
MgB:												
Monongahela-----	0-8	Silt loam	ML, CL-ML, SC-SM, SM	A-4	0	0-5	90-100	85-100	75-100	45-90	20-35	1-10
	8-30	Silt loam, clay loam, gravelly loam	CL, CL-ML	A-4, A-6	0	0-15	90-100	80-100	75-100	70-90	20-40	5-15
	30-51	Silt loam, sandy clay loam, gravelly loam	CL, ML, SC, SM	A-4, A-6	0	0-10	80-100	60-100	55-95	45-95	20-40	3-15
	51-65	Silt loam, clay loam, gravelly sandy loam	CL, ML, SC, SM	A-4, A-6	0	10-20	75-100	60-90	60-85	40-85	20-40	1-15

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	
MgC:												
Monongahela-----	0-6	Silt loam	CL-ML, ML, SC-SM, SM	A-4	0	0-5	90-100	85-100	75-100	45-90	20-35	1-10
	6-28	Silt loam, clay loam, gravelly loam	CL, CL-ML	A-4, A-6	0	0-15	90-100	80-100	75-100	70-90	20-40	5-15
	28-51	Silt loam, sandy clay loam, gravelly loam	CL, ML, SC, SM	A-4, A-6	0	0-10	80-100	60-100	55-95	45-95	20-40	3-15
	51-65	Silt loam, clay loam, gravelly sandy loam	SM, SC, ML, CL	A-4, A-6	0	10-20	75-100	60-90	60-85	40-85	20-40	1-15
MgD:												
Monongahela-----	0-5	Silt loam	CL-ML, ML, SC-SM, SM	A-4	0	0-5	90-100	85-100	75-100	45-90	20-35	1-10
	5-27	Silt loam, clay loam, gravelly loam	CL, CL-ML	A-4, A-6	0	0-15	90-100	80-100	75-100	70-90	20-40	5-15
	27-51	Silt loam, sandy clay loam, gravelly loam	CL, ML, SC, SM	A-4, A-6	0	0-10	80-100	60-100	55-95	45-95	20-40	3-15
	51-65	Silt loam, clay loam, gravelly sandy loam	CL, ML, SC, SM	A-4, A-6	0	10-20	75-100	60-90	60-85	40-85	20-40	1-15
MhA:												
Monongahela-----	0-8	Gravelly loam	CL-ML, ML, SC-SM, SM	A-4	0	0-15	80-90	75-85	70-80	45-75	20-35	1-10
	8-27	Silt loam, clay loam, gravelly loam	CL, CL-ML	A-4, A-6	0	0-15	90-100	80-100	75-100	70-90	20-40	5-15
	27-64	Silt loam, sandy clay loam, gravelly loam	CL, ML, SM, SC	A-4, A-6	0	0-10	80-100	60-100	55-95	45-95	20-40	3-15
	64-70	Silt loam, clay loam, gravelly sandy loam	SM, SC, CL, ML	A-4, A-6	0	10-20	75-100	60-90	60-85	40-85	20-40	1-15

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	
MhB:												
Monongahela-----	0-8	Gravelly loam	SM, SC-SM, CL-ML, ML	A-4	0	0-15	80-90	75-85	70-80	45-75	20-35	1-10
	8-27	Silt loam, clay loam, gravelly loam	CL-ML, CL	A-4, A-6	0	0-15	90-100	80-100	75-100	70-90	20-40	5-15
	27-64	Silt loam, sandy clay loam, gravelly loam	ML, CL, SC, SM	A-4, A-6	0	0-10	80-100	60-100	55-95	45-95	20-40	3-15
	64-70	Silt loam, clay loam, gravelly sandy loam	ML, SM, SC, CL	A-4, A-6	0	10-20	75-100	60-90	60-85	40-85	20-40	1-15
MhC:												
Monongahela-----	0-8	Gravelly loam	CL-ML, ML, SC-SM, SM	A-4	0	0-15	80-90	75-85	70-80	45-75	20-35	1-10
	8-27	Silt loam, clay loam, gravelly loam	CL, CL-ML	A-4, A-6	0	0-15	90-100	80-100	75-100	70-90	20-40	5-15
	27-64	Silt loam, sandy clay loam, gravelly loam	CL, SC, SM, ML	A-4, A-6	0	0-10	80-100	60-100	55-95	45-95	20-40	3-15
	64-70	Silt loam, clay loam, gravelly sandy loam	CL, ML, SC, SM	A-4, A-6	0	10-20	75-100	60-90	60-85	40-85	20-40	1-15
MkB:												
Mt. Zion--------	0-6	Gravelly silt loam	CL, CL-ML, ML	A-4, A-6	0-2	0-15	85-90	80-90	75-85	50-75	20-35	3-15
	6-31	Gravelly silt loam, silt loam, loam	CL, CL-ML, ML	A-4, A-6	0-1	5-20	85-95	80-90	75-85	50-75	20-40	3-20
	31-48	Gravelly silt loam, gravelly loam, silt loam	CL, CL-ML, ML	A-4, A-6	0	5-20	85-95	80-90	75-85	50-75	20-35	3-15
	48-69	Gravelly loam, very gravelly loam, very gravelly silt loam	CL, CL-ML, GM, ML	A-4, A-6	0	15-40	70-95	70-80	65-75	45-70	20-35	3-15
	69-72	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	
MkC:												
Mt. Zion--------	0-6	Gravelly silt loam	CL, CL-ML, ML	A-4, A-6	0-2	0-15	85-90	80-90	75-85	50-75	20-35	3-15
	6-31	Gravelly loam, silt loam, loam	CL, CL-ML, ML	A-4, A-6	0-1	5-20	85-95	80-90	75-85	50-75	20-40	3-20
	31-48	Gravelly silt loam, gravelly loam, silt loam	CL, CL-ML, ML	A-4, A-6	0	5-20	85-95	80-90	75-85	50-75	20-35	3-15
	48-69	Gravelly loam, very gravelly loam, very gravelly silt loam	CL, CL-ML, GM, ML	A-4, A-6	0	15-40	70-95	70-80	65-75	45-70	20-35	3-15
	69-72	Unweathered bedrock			---	---	---	---	---	---	---	---
MmA:												
Mt. Zion--------	0-6	Silt loam	CL, CL-ML, ML	A-4, A-6	0-2	0-15	85-90	80-90	75-85	50-75	20-35	3-15
	6-31	Gravelly loam, silt loam, loam	CL, CL-ML, ML	A-4, A-6	0-1	5-20	85-95	80-90	75-85	50-75	20-40	3-20
	31-48	Gravelly silt loam, gravelly loam, silt loam	ML, CL-ML, CL	A-4, A-6	0	5-20	85-95	80-90	75-85	50-75	20-35	3-15
	48-69	Gravelly loam, very gravelly loam, very gravelly silt loam	CL-ML, CL, GM, ML	A-4, A-6	0	15-40	70-95	70-80	65-75	45-70	20-35	3-15
	69-72	Unweathered bedrock			---	---	---	---	---	---	---	---
Rohrersville----	0-9	Silt loam	CL, CL-ML, ML	A-4, A-6	0	0	95-100	90-100	85-90	70-90	20-35	3-15
	9-43	Silt loam, silty clay loam, loam	CL, CL-ML, ML	A-4, A-6	0	0	95-100	90-100	70-90	70-85	20-40	3-20
	43-62	Loam, silt loam	CL, ML, CL-ML	A-4, A-6	0	0	85-100	75-100	65-90	45-80	20-35	3-15
	62-70	Unweathered bedrock			---	---	---	---	---	---	---	---

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
MoB:												
Murrill---------	0-10	Silt loam	ML, SC, SC-SM, CL	A-4, A-6	0	0	75-95	75-90	60-85	40-75	20-40	3-15
	10-55	Channery silty clay loam, channery sandy clay loam, channery clay loam	CL-ML, CL	A-4, A-6, A-7	0	0-15	65-85	60-70	55-65	50-65	20-50	5-25
	55-70	Clay loam, clay, channery clay loam	CL, MH, CH	A-6, A-7	0-1	0-20	80-100	65-100	60-100	55-100	35-75	20-40
MoC:												
Murrill---------	0-15	Silt loam	CL, ML, SC, SC-SM	A-4, A-6	0	0	75-95	75-90	60-85	40-75	20-40	3-15
	15-60	Channery silty clay loam, channery sandy clay loam, channery clay loam	CL, CL-ML	A-4, A-6, A-7	0	0-15	65-85	60-70	55-65	50-65	20-50	5-25
	60-80	Clay loam, clay, channery clay loam	CH, MH, CL	A-6, A-7	0-1	0-20	80-100	65-100	60-100	55-100	35-75	20-40
MsB:												
Murrill---------	0-9	Gravelly loam	GM, ML, SC-SM, CL	A-2, A-4, A-6	0	0-5	65-80	55-70	45-65	30-65	20-45	3-15
	9-55	Gravelly clay loam, gravelly silty clay loam, sandy clay loam	CL, CL-ML	A-4, A-6, A-7	0	0-10	65-85	60-70	55-65	50-65	20-50	5-25
	55-70	Silty clay, very gravelly clay loam, gravelly silty clay loam	MH, CH, CL	A-6, A-7	0-1	0-10	80-100	50-100	45-100	40-100	35-75	20-40

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	
MsC:												
Murrill---------	0-9	Gravelly loam	CL, GM, ML, SC-SM	A-2, A-4, A-6	0	0-5	65-80	55-70	45-65	30-65	20-45	3-15
	9-55	Gravelly clay loam, gravelly silty clay loam, sandy clay loam	CL, CL-ML	A-4, A-6, A-7	0	0-10	65-85	60-70	55-65	50-65	20-50	5-25
	55-70	Silty clay, very gravelly clay loam, gravelly silty clay loam	CH, CL, MH	A-6, A-7	0-1	0-10	80-100	50-100	45-100	40-100	35-75	20-40
MsD:												
Murrill---------	0-6	Gravelly loam	CL, GM, ML, SC-SM	A-2, A-4, A-6	0	0-5	65-80	55-70	45-65	30-65	20-45	3-15
	6-52	Gravelly clay loam, gravelly silty clay loam, sandy clay loam	CL, CL-ML	A-4, A-6, A-7	0	0-10	65-85	60-70	55-65	50-65	20-50	5-25
	52-70	Silty clay, very gravelly clay loam, gravelly silty clay loam	CH, CL, MH	A-6, A-7	0-1	0-10	80-100	50-100	45-100	40-100	35-75	20-40
MuB:												
Murrill---------	0-9	Gravelly loam	CL, GM, ML, SC-SM	A-2, A-4, A-6	0	0-5	65-80	55-70	45-65	30-65	20-45	3-15
	9-55	Gravelly clay loam, gravelly silty clay loam, sandy clay loam	CL, CL-ML	A-4, A-6, A-7	0	0-10	65-85	60-70	55-65	50-65	20-50	5-25
	55-70	Silty clay, very gravelly clay loam, gravelly silty clay loam	CH, CL, MH	A-6, A-7	0-1	0-10	80-100	50-100	45-100	40-100	35-75	20-40
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
MuD:												
Murrill---------	0-9	Gravelly loam	SC-SM, ML, GM, CL	A-2, A-4, A-6	0	0-5	65-80	55-70	45-65	30-65	20-45	3-15
	9-55	Gravelly clay loam, gravelly silty clay loam, sandy clay loam	CL, CL-ML	A-4, A-6, A-7	0	0-10	65-85	60-70	55-65	50-65	20-50	5-25
	55-70	Silty clay, very gravelly clay loam, gravelly silty clay loam	CH, CL, MH	A-6, A-7	0-1	0-10	80-100	50-100	45-100	40-100	35-75	20-40
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
MvB:												
Myersville------	0-12	Silt loam	CL, CL-ML, ML	A-4	0	0-3	95-100	80-100	80-95	55-85	18-28	2-10
	12-35	Silty clay loam, clay loam, channery clay loam	CL	A-6	0	0-3	70-100	60-100	55-90	50-85	28-38	12-20
	35-60	Silt loam, channery silt loam, very channery silty clay loam	CL, CL-ML, GC, GM	A-1, A-2, A-3, A-4	0	0-3	25-90	20-85	12-75	8-60	0-28	NP-10
	60-71	Weathered bedrock			---	---	---	---	---	---	---	---
	71-81	Unweathered bedrock			---	---	---	---	---	---	---	---
MvC:												
Myersville------	0-12	Silt loam	CL, CL-ML, ML	A-4	0	0-3	95-100	80-100	80-95	55-85	18-28	2-10
	12-35	Silty clay loam, clay loam, channery clay loam	CL	A-6	0	0-3	70-100	60-100	55-90	50-85	28-38	12-20
	35-60	Silt loam, channery silt loam, very channery silty clay loam	CL, CL-ML, GC, GM	A-1, A-2, A-3, A-4	0	0-3	25-90	20-85	12-75	8-60	0-28	NP-10
	60-71	Weathered bedrock			---	---	---	---	---	---	---	---
	71-81	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	
MwB:												
Myersville------	0-12	Gravelly loam	CL, ML, CL-ML	A-4	0	0-3	80-90	70-80	60-75	45-70	18-28	2-10
	12-35	Silty clay loam, clay loam, channery clay loam	CL	A-6	0	0-3	70-100	60-100	55-90	50-85	28-38	12-20
	35-60	Silt loam, channery silt loam, very channery silty clay loam	CL, CL-ML, GC, GM	A-1, A-2, A-3, A-4	0	0-3	25-90	20-85	12-75	8-60	0-28	NP-10
	60-71	Weathered bedrock			---	---	---	---	---	---	---	---
	71-81	Unweathered bedrock			---	---	---	---	---	---	---	---
MwC:												
Myersville------	0-7	Gravelly loam	CL, CL-ML, ML	A-4	0	0-3	80-90	70-80	60-75	45-70	18-28	2-10
	7-30	Silty clay loam, clay loam, channery clay loam	CL	A-6	0	0-3	70-100	60-100	55-90	50-85	28-38	12-20
	30-55	Silt loam, channery silt loam, very channery silty clay loam	GM, GC, CL, CL-ML	A-1, A-2, A-3, A-4	0	0-3	25-90	20-85	12-75	8-60	0-28	NP-10
	55-61	Weathered bedrock			---	---	---	---	---	---	---	---
	61-71	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	
MwD:												
Myersville------	0-7	Gravelly loam	CL, CL-ML, ML	A-4	0	0-3	80-90	70-80	60-75	45-70	18-28	2-10
	7-30	Silty clay loam, clay loam, channery clay loam	CL	A-6	0	0-3	70-100	60-100	55-90	50-85	28-38	12-20
	30-55	Silt loam, channery silt loam, very channery silty clay loam	GM, CL, CL-ML, GC	A-1, A-2, A-3, A-4	0	0-3	25-90	20-85	12-75	8-60	0-28	NP-10
	55-66	Weathered bedrock			---	---	---	---	---	---	---	---
	66-76	Unweathered bedrock			---	---	---	---	---	---	---	---
NoB:												
Nollville-------	0-8	Channery silt loam	GC, CL-ML, CL	A-2, A-4, A-6	0	0	55-80	50-75	40-75	30-70	20-35	4-12
	8-27	Silty clay loam, silt loam, channery silty clay loam	GC, SC, CL	A-6	0	0	55-100	50-100	45-100	35-95	25-40	11-23
	27-39	Silty clay, silty clay loam, channery silt loam	GC, SC, CL	A-6, A-7	0	0	55-100	50-100	45-100	35-95	30-50	11-30
	39-55	Very channery silty clay loam, extremely channery silt loam, channery clay	CL, GC	A-2, A-6, A-7	0	0-10	25-65	20-60	20-60	15-55	30-50	11-30
	55-65	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	
NoC:												
Nollville-------	0-8	Channery silt loam	CL, CL-ML, GC	A-2, A-4, A-6	0	0	55-80	50-75	40-75	30-70	20-35	4-12
	8-27	Silty clay loam, silt loam, channery silty clay loam	GC, SC, CL	A-6	0	0	55-100	50-100	45-100	35-95	25-40	11-23
	27-39	Silty clay, silty clay loam, channery silt loam	GC, SC, CL	A-6, A-7	0	0	55-100	50-100	45-100	35-95	30-50	11-30
	39-55	Very channery silty clay loam, extremely channery silt loam, channery clay	GC, CL	A-2, A-6, A-7	0	0-10	25-65	20-60	20-60	15-55	30-50	11-30
	55-65	Unweathered bedrock			---	---	---	---	---	---	---	---
NoD:												
Nollville-------	0-8	Channery silt loam	CL, CL-ML, GC	A-2, A-4, A-6	0	0	55-80	50-75	40-75	30-70	20-35	4-12
	8-27	Silty clay loam, silt loam, channery silty clay loam	CL, GC, SC	A-6	0	0	55-100	50-100	45-100	35-95	25-40	11-23
	27-39	Silty clay, silty clay loam, channery silt loam	GC, SC, CL	A-6, A-7	0	0	55-100	50-100	45-100	35-95	30-50	11-30
	39-55	Very channery silty clay loam, extremely channery silt loam, channery clay	GC, CL	A-2, A-6, A-7	0	0-10	25-65	20-60	20-60	15-55	30-50	11-30
	55-65	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	
OpA:												
Opequon---------	0-2	Silty clay loam	CL, CH	A-6, A-7	0	0-5	85-100	80-100	80-100	75-95	30-55	10-30
	2-18	Gravelly silty clay loam, silty clay loam, clay, silty clay	CH, CL	A-6, A-7	0-5	0-10	80-100	60-100	60-100	55-95	35-65	15-40
	18-28	Unweathered bedrock			---	---	---	---	---	---	---	---
OpB:												
Opequon---------	0-2	Silty clay loam	CH, CL	A-6, A-7	0	0-5	85-100	80-100	80-100	75-95	30-55	10-30
	2-18	Gravelly silty clay loam, silty clay loam, clay, silty clay	CH, CL	A-6, A-7	0-5	0-10	80-100	60-100	60-100	55-95	35-65	15-40
	18-28	Unweathered bedrock			---	---	---	---	---	---	---	---
OpC:												
Opequon---------	0-2	Silty clay loam	CL, CH	A-6, A-7	0	0-5	85-100	80-100	80-100	75-95	30-55	10-30
	2-18	Gravelly silty clay loam, silty clay loam, clay, silty clay	CH, CL	A-6, A-7	0-5	0-10	80-100	60-100	60-100	55-95	35-65	15-40
	18-28	Unweathered bedrock			---	---	---	---	---	---	---	---
OrB:												
Opequon---------	0-2	Silty clay loam	CH, CL	A-6, A-7	0	0-5	85-100	80-100	80-100	75-95	30-55	10-30
	2-18	Gravelly silty clay loam, silty clay loam, clay, silty clay	CH, CL	A-6, A-7	0-5	0-10	80-100	60-100	60-100	55-95	35-65	15-40
	18-28	Unweathered bedrock			---	---	---	---	---	---	---	---
Rock Outcrop----	0-60	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	Plas-ticity index
	In				Pct	Pct					Pct	
OrC:												
Opequon---------	0-2	Silty clay loam	CL, CH	A-6, A-7	0	0-5	85-100	80-100	80-100	75-95	30-55	10-30
	2-18	Gravelly silty clay loam, silty clay loam, clay, silty clay	CH, CL	A-6, A-7	0-5	0-10	80-100	60-100	60-100	55-95	35-65	15-40
	18-28	Unweathered bedrock			---	---	---	---	---	---	---	---
Rock Outcrop----	0-60	Unweathered bedrock			---	---	---	---	---	---	---	---
OrD:												
Opequon---------	0-2	Silty clay loam	CH, CL	A-6, A-7	0	0-5	85-100	80-100	80-100	75-95	30-55	10-30
	2-18	Gravelly silty clay loam, silty clay loam, clay, silty clay	CH, CL	A-6, A-7	0-5	0-10	80-100	60-100	60-100	55-95	35-65	15-40
	18-28	Unweathered bedrock			---	---	---	---	---	---	---	---
Rock Outcrop----	0-60	Unweathered bedrock			---	---	---	---	---	---	---	---
OrF:												
Opequon---------	0-2	Silty clay loam	CH, CL	A-6, A-7	0	0-5	85-100	80-100	80-100	75-95	30-55	10-30
	2-18	Gravelly silty clay loam, silty clay loam, clay, silty clay	CL, CH	A-6, A-7	0-5	0-10	80-100	60-100	60-100	55-95	35-65	15-40
	18-28	Unweathered bedrock			---	---	---	---	---	---	---	---
Rock Outcrop----	0-60	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	
PaB:												
Pecktonville----	0-11	Gravelly silt loam	GM, ML	A-4, A-6	0-1	0-15	60-80	50-75	40-70	35-65	20-40	3-15
	11-15	Silt loam, silty clay loam, loam	CL, CL-ML, SC	A-4, A-6	0-1	0-5	90-100	75-95	45-85	40-80	20-40	5-20
	15-48	Silty clay loam, channery silty clay, clay	CH, CL, GC, SC	A-2-6, A-6	0	0-5	45-100	40-95	35-90	30-90	35-60	15-40
	48-75	Clay loam, silty clay, clay	CH, CL	A-6, A-7-6	0	0-5	90-100	85-100	70-100	65-95	35-60	15-40
PaC:												
Pecktonville----	0-11	Gravelly silt loam	GM, ML	A-4, A-6	0-1	0-15	60-80	50-75	40-70	35-65	20-40	3-15
	11-15	Silt loam, silty clay loam, loam	CL, CL-ML, SC	A-4, A-6	0-1	0-5	90-100	75-95	45-85	40-80	20-40	5-20
	15-48	Silty clay loam, channery silty clay, clay	CH, CL, GC, SC	A-2-6, A-6	0	0-5	45-100	40-95	35-90	30-90	35-60	15-40
	48-75	Clay loam, silty clay, clay	CH, CL	A-6, A-7-6	0	0-5	90-100	85-100	70-100	65-95	35-60	15-40
PaD:												
Pecktonville----	0-5	Gravelly silt loam	ML, GM	A-4, A-6	0-1	0-15	60-80	50-75	40-70	35-65	20-40	3-15
	5-17	Silt loam, silty clay loam, loam	CL, CL-ML, SC	A-4, A-6	0-1	0-5	90-100	75-95	45-85	40-80	20-40	5-20
	17-57	Silty clay loam, channery silty clay, clay	CL, CH, GC, SC	A-2-6, A-6	0	0-5	45-100	40-95	35-90	30-90	35-60	15-40
	57-69	Clay loam, silty clay, clay	CL, CH	A-6, A-7-6	0	0-5	90-100	85-100	70-100	65-95	35-60	15-40

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	
PcB:												
Pecktonville----	0-11	Cobbly loam	GM, ML	A-4, A-6	0-1	15-35	60-80	50-75	40-70	35-65	20-40	3-15
	11-15	Silt loam, silty clay loam, loam	CL, CL-ML, SC	A-4, A-6	0-1	0-5	90-100	75-95	45-85	40-80	20-40	5-20
	15-48	Silty clay loam, channery silty clay, clay	CH, CL, GC, SC	A-2-6, A-6	0	0-5	45-100	40-95	35-90	30-90	35-60	15-40
	48-75	Clay loam, silty clay, clay	CL, CH	A-6, A-7-6	0	0-5	90-100	85-100	70-100	65-95	35-60	15-40
PcC:												
Pecktonville----	0-11	Cobbly loam	GM, ML	A-4, A-6	0-1	15-35	60-80	50-75	40-70	35-65	20-40	3-15
	11-15	Silt loam, silty clay loam, loam	CL, CL-ML, SC	A-4, A-6	0-1	0-5	90-100	75-95	45-85	40-80	20-40	5-20
	15-48	Silty clay loam, channery silty clay, clay	CH, CL, GC, SC	A-2-6, A-6	0	0-5	45-100	40-95	35-90	30-90	35-60	15-40
	48-75	Clay loam, silty clay, clay	CH, CL	A-6, A-7-6	0	0-5	90-100	85-100	70-100	65-95	35-60	15-40
PcD:												
Pecktonville----	0-5	Cobbly loam	GM, ML	A-4, A-6	0-1	15-35	60-80	50-75	40-70	35-65	20-40	3-15
	5-17	Silt loam, silty clay loam, loam	CL, CL-ML, SC	A-4, A-6	0-1	0-5	90-100	75-95	45-85	40-80	20-40	5-20
	17-57	Silty clay loam, channery silty clay, clay	SC, CL, CH, GC	A-2-6, A-6	0	0-5	45-100	40-95	35-90	30-90	35-60	15-40
	57-69	Clay loam, silty clay, clay	CH, CL	A-6, A-7-6	0	0-5	90-100	85-100	70-100	65-95	35-60	15-40

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	
PeE:												
Pecktonville----	0-5	Cobbly loam	CL, GC, GM, ML	A-4, A-6	0-1	15-35	45-80	40-75	35-70	35-70	20-35	NP-12
	5-17	Channery silt loam, silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	0-1	0-5	70-100	65-95	55-90	50-85	20-40	5-15
	17-57	Silty clay loam, channery silty clay, clay	CH, CL	A-6	0	0-5	65-100	60-95	50-90	45-85	30-60	10-40
	57-69	Clay loam, silty clay, clay	CH, CL	A-6	0	0-5	90-100	80-95	70-90	65-85	30-60	10-40
Rock Outcrop----	0-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Pg:												
Philo----------	0-9	Silt loam	CL-ML, ML	A-4	0	0-5	95-100	80-100	75-90	60-80	20-35	1-10
	9-29	Silt loam, loam, sandy loam	CL-ML, ML, SM	A-4	0	0-5	95-100	75-100	70-90	45-80	20-35	1-10
	29-65	Stratified sand to very gravelly sandy loam	CL-ML, GM, ML, SM	A-1, A-2, A-4	0-2	0-5	45-95	40-90	20-70	10-70	15-30	1-10
Ph:												
Philo----------	0-13	Gravelly sandy loam	CL-ML, ML	A-4	0-5	0-5	95-100	80-100	75-90	60-80	20-35	1-10
	13-21	Silt loam, loam, gravelly loam	CL-ML, GM, ML, SM	A-4	0-5	0-5	80-100	75-100	70-90	45-80	20-35	1-10
	21-70	Very gravelly loam, gravelly silt loam, loam	CL-ML, GM, SM	A-4	0-5	0-5	55-100	50-100	40-85	35-80	20-35	1-10

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	Plas-ticity index
	In				Pct	Pct					Pct	
Pn:												
Pope----------	0-10	Fine sandy loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0	0	85-100	75-100	51-85	25-55	15-20	NP-5
	10-40	Fine sandy loam, sandy loam, loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0	0	95-100	80-100	51-95	25-75	15-30	NP-7
	40-65	Sandy loam, loamy sand	SM, GM, ML, SC-SM	A-1, A-2, A-4	---	0-20	45-100	35-100	30-95	15-70	15-30	NP-7
Po:												
Pope----------	0-10	Gravelly loam	CL-ML, GC-GM, ML, SC	A-4	---	0-5	65-85	55-75	45-70	36-70	0-30	NP-10
	10-40	Gravelly fine sandy loam, gravelly sandy loam, gravelly loam	GC-GM, GM, ML, SM	A-1-b, A-2-4, A-4	---	0-5	65-85	55-75	35-70	20-55	0-30	NP-7
	40-65	Gravelly fine sandy loam, gravelly loam, gravelly sandy loam	GC-GM, GM, GW-GM, SM	A-1, A-2-4, A-4	---	0-20	40-80	30-75	20-70	10-55	0-30	NP-7
Qa:												
Quarry----------	---	---	---	---	---	---	---	---	---	---	---	---
Qm:												
Quarry----------	---	---	---	---	---	---	---	---	---	---	---	---
Qr:												
Quarry----------	---	---	---	---	---	---	---	---	---	---	---	---
Qs:												
Quarry----------	---	---	---	---	---	---	---	---	---	---	---	---

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	
RaC:												
Ravenrock-------	0-4	Extremely stony loam	GC, SM, ML, GM	A-4, A-6	3-15	0-15	50-85	45-75	40-70	33-65	20-30	3-11
	4-34	Gravelly loam, gravelly clay loam, very gravelly sandy clay loam	CL, ML, GC, GM	A-4, A-6	0-5	0-15	50-95	45-90	40-85	35-80	25-40	3-15
	34-65	Cobbly silty clay, cobbly clay loam, gravelly loam	CL, CH	A-6, A-7	0-1	0-15	50-95	45-90	40-85	35-80	30-55	10-30
	65-80	Parachanners			---	---	---	---	---	---	---	---
RaD:												
Ravenrock-------	0-4	Extremely stony loam	ML, GC, SM, GM	A-4, A-6	3-15	0-15	50-85	45-75	40-70	33-65	20-30	3-11
	4-34	Gravelly loam, gravelly clay loam, very gravelly sandy clay loam	ML, CL, GC, GM	A-4, A-6	0-5	0-15	50-95	45-90	40-85	35-80	25-40	3-15
	34-65	Cobbly silty clay, cobbly clay loam, gravelly loam	CH, CL	A-6, A-7	0-1	0-15	50-95	45-90	40-85	35-80	30-55	10-30
	65-80	Parachanners			---	---	---	---	---	---	---	---
RcC:												
Ravenrock-------	0-4	Extremely stony loam	GM, ML, SM, GC	A-4, A-6	3-15	0-15	50-85	45-75	40-70	33-65	20-30	3-11
	4-34	Gravelly loam, gravelly clay loam, very gravelly sandy clay loam	GM, GC, ML, CL	A-4, A-6	0-5	0-15	50-95	45-90	40-85	35-80	25-40	3-15
	34-65	Cobbly silty clay, cobbly clay loam, gravelly loam	CH, CL	A-6, A-7	0-1	0-15	50-95	45-90	40-85	35-80	30-55	10-30
	65-80	Parachanners			---	---	---	---	---	---	---	---

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	
Rohrersville----	0-9	Extremely stony silt loam	CL, GC, CL-ML	A-4, A-6	0-6	3-20	50-90	45-75	40-75	30-65	21-34	7-13
	9-25	Gravelly silt loam, silt loam, loam	GC, CL-ML, CL	A-4, A-6	0-3	0-20	50-95	45-75	40-75	30-65	21-34	7-13
	25-31	Gravelly silt loam, silt loam, silty clay loam, silty clay	SC, GC, CL	A-4, A-6	0-3	0-20	50-100	45-80	40-75	30-65	25-38	8-16
	31-55	Gravelly silt loam, silt loam, silty clay loam, silty clay	SC, CL, GC	A-4, A-6	0-3	0-20	50-100	45-80	40-75	30-65	25-38	8-16
	55-62	Gravelly silt loam, silt loam, silty clay loam, clay	SC, CL, GC	A-4, A-6	0-3	0-20	50-100	45-80	40-75	30-65	25-38	8-16
	62-70	Unweathered bedrock			---	---	---	---	---	---	---	---
ReC:												
Highfield-------	0-10	Extremely stony loam	ML, GM	A-4	---	3-15	55-100	55-100	45-95	40-95	0-14	---
	10-34	Silt loam, channery silt loam, channery loam	SM, ML, GM	A-4, A-6, A-7	---	0-10	55-85	50-80	45-70	40-55	30-49	5-19
	34-60	Channery silt loam, channery loam, very channery silt loam	GM, SM	A-2, A-4, A-5, A-7	---	0-20	45-75	25-70	20-55	20-40	30-45	3-13
	60-64	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	
Ravenrock-------	0-4	Extremely stony loam	GC, ML, SM, GM	A-4, A-6	3-15	0-15	50-85	45-75	40-70	33-65	20-30	3-11
	4-34	Gravelly loam, gravelly clay loam, very gravelly sandy clay loam	CL, ML, GC, GM	A-4, A-6	0-5	0-15	50-95	45-90	40-85	35-80	25-40	3-15
	34-65	Cobbly silty clay, cobbly clay loam, gravelly loam	CL, CH	A-6, A-7	0-1	0-15	50-95	45-90	40-85	35-80	30-55	10-30
	65-80	Parachanners			---	---	---	---	---	---	---	---
Rock Outcrop----	0-60	Unweathered bedrock			---	---	---	---	---	---	---	---
ReD:												
Highfield-------	0-10	Extremely stony loam	GM, ML	A-4	---	3-15	55-100	55-100	45-95	40-95	0-14	---
	10-34	Silt loam, channery silt loam, channery loam	GM, ML, SM	A-4, A-6, A-7	---	0-10	55-85	50-80	45-70	40-55	30-49	5-19
	34-60	Channery silt loam, channery loam, very channery silt loam	GM, SM	A-2, A-4, A-5, A-7	---	0-20	45-75	25-70	20-55	20-40	30-45	3-13
	60-64	Unweathered bedrock			---	---	---	---	---	---	---	---
Ravenrock-------	0-4	Extremely stony loam	SM, GC, ML, GM	A-4, A-6	3-15	0-15	50-85	45-75	40-70	33-65	20-30	3-11
	4-34	Gravelly loam, gravelly clay loam, very gravelly sandy clay loam	GM, GC, ML, CL	A-4, A-6	0-5	0-15	50-95	45-90	40-85	35-80	25-40	3-15
	34-65	Cobbly silty clay, cobbly clay loam, gravelly loam	CH, CL	A-6, A-7	0-1	0-15	50-95	45-90	40-85	35-80	30-55	10-30
	65-80	Parachanners			---	---	---	---	---	---	---	---
Rock Outcrop----	0-60	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	
ReF:												
Highfield-------	0-10	Extremely stony loam	GM, ML	A-4	---	3-15	55-100	55-100	45-95	40-95	0-14	---
	10-34	Silt loam, channery silt loam, channery loam	GM, ML, SM	A-4, A-6, A-7	---	0-10	55-85	50-80	45-70	40-55	30-49	5-19
	34-60	Channery silt loam, channery loam, very channery silt loam	GM, SM	A-2, A-4, A-5, A-7	---	0-20	45-75	25-70	20-55	20-40	30-45	3-13
	60-64	Unweathered bedrock			---	---	---	---	---	---	---	---
Ravenrock-------	0-4	Extremely stony loam	GC, SM, ML, GM	A-4, A-6	3-15	0-15	50-85	45-75	40-70	33-65	20-30	3-11
	4-34	Gravelly loam, gravelly clay loam, very gravelly sandy clay loam	GM, GC, ML, CL	A-4, A-6	0-5	0-15	50-95	45-90	40-85	35-80	25-40	3-15
	34-65	Cobbly silty clay, cobbly clay loam, gravelly loam	CH, CL	A-6, A-7	0-1	0-15	50-95	45-90	40-85	35-80	30-55	10-30
	65-80	Parachanners			---	---	---	---	---	---	---	---
Rock Outcrop----	0-60	Unweathered bedrock			---	---	---	---	---	---	---	---
RhB:												
Rohrersville----	0-9	Silt loam	ML, CL-ML, CL	A-4, A-6	0	0	95-100	90-100	85-90	70-90	20-35	3-15
	9-43	Silt loam, silty clay loam, loam	CL-ML, ML, CL	A-4, A-6	0	0	95-100	90-100	70-90	70-85	20-40	3-20
	43-62	Loam, silt loam	CL, CL-ML, ML	A-4, A-6	0	0	85-100	75-100	65-90	45-80	20-35	3-15
	62-70	Unweathered bedrock			---	---	---	---	---	---	---	---

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
Lantz----------	0-9	Silt loam	CL-ML, ML	A-4	---	0-5	90-100	85-100	70-95	65-90	20-35	3-15
	9-47	Clay loam, silty clay loam, clay	CL, CH	A-6, A-7	---	0-20	70-100	70-100	60-90	55-85	30-55	10-25
	47-52	Loam, sandy loam, gravelly sandy loam	ML, SM, GM	A-2, A-4	---	10-25	65-95	55-90	50-85	30-85	20-40	3-15
	52-62	Unweathered bedrock			---	---	---	---	---	---	---	---
RmB:												
Ryder----------	0-8	Channery silt loam	ML	A-4	0	0	80-95	60-75	55-70	50-65	---	---
	8-30	Silt loam, loam, channery silty clay loam	ML	A-4, A-5, A-7	0	0-5	70-100	60-95	55-90	50-85	30-45	3-11
	30-35	Channery loam, channery silt loam, very channery silt loam	GM	A-1, A-2, A-4, A-6	0	0-30	30-65	25-60	20-55	15-50	25-40	2-11
	35-45	Unweathered bedrock			---	---	---	---	---	---	---	---
Duffield--------	0-9	Silt loam	CL	A-4, A-6, A-7	0	0	85-100	85-100	80-100	70-95	30-50	8-22
	9-54	Silty clay loam, silty clay, channery loam	CL, ML, CH, MH	A-4, A-6, A-7	0	0-10	65-100	60-100	55-100	55-95	30-55	8-22
	54-65	Channery silt loam, loam, clay	SM, GM, MH, ML	A-5, A-7	0	0-20	65-100	50-100	45-90	40-90	40-60	9-29

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	
RmC:												
Ryder----------	0-8	Channery silt loam	ML	A-4	0	0	80-95	60-75	55-70	50-65	---	---
	8-30	Silt loam, loam, channery silty clay loam	ML	A-4, A-5, A-7	0	0-5	70-100	60-95	55-90	50-85	30-45	3-11
	30-35	Channery loam, channery silt loam, very channery silt loam	GM	A-1, A-2, A-4, A-6	0	0-30	30-65	25-60	20-55	15-50	25-40	2-11
	35-45	Unweathered bedrock			---	---	---	---	---	---	---	---
Duffield--------	0-7	Silt loam	CL	A-4, A-6, A-7	0	0	85-100	85-100	80-100	70-95	30-50	8-22
	7-54	Silty clay loam, silty clay, channery loam	MH, CH, CL, ML	A-7, A-4, A-6	0	0-10	65-100	60-100	55-100	55-95	30-55	8-22
	54-65	Channery silt loam, loam, clay	GM, MH, ML, SM	A-5, A-7	0	0-20	65-100	50-100	45-90	40-90	40-60	9-29
RmD:												
Ryder----------	0-5	Channery silt loam	ML	A-4	0	0	80-95	60-75	55-70	50-65	---	---
	5-27	Silt loam, loam, channery silty clay loam	ML	A-4, A-5, A-7	0	0-5	70-100	60-95	55-90	50-85	30-45	3-11
	27-32	Channery loam, channery silt loam, very channery silt loam	GM	A-1, A-2, A-4, A-6	0	0-30	30-65	25-60	20-55	15-50	25-40	2-11
	32-42	Unweathered bedrock			---	---	---	---	---	---	---	---
Duffield--------	0-5	Silt loam	CL	A-4, A-6, A-7	0	0	85-100	85-100	80-100	70-95	30-50	8-22
	5-52	Silty clay loam, silty clay, channery loam	CH, CL, MH, ML	A-4, A-6, A-7	0	0-10	65-100	60-100	55-100	55-95	30-55	8-22
	52-63	Channery silt loam, loam, clay	GM, MH, ML, SM	A-5, A-7	0	0-20	65-100	50-100	45-90	40-90	40-60	9-29

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	
RnB:												
Ryder----------	0-8	Channery silt loam	ML	A-4	0	0	80-95	60-75	55-70	50-65	---	---
	8-30	Silt loam, loam, channery silty clay loam	ML	A-4, A-5, A-7	0	0-5	70-100	60-95	55-90	50-85	30-45	3-11
	30-35	Channery loam, channery silt loam, very channery silt loam	GM	A-1, A-2, A-4, A-6	0	0-30	30-65	25-60	20-55	15-50	25-40	2-11
	35-45	Unweathered bedrock			---	---	---	---	---	---	---	---
Nollville-------	0-10	Channery silt loam	GC, CL, CL-ML	A-2, A-4, A-6	0	0	55-80	50-75	40-75	30-70	20-35	4-12
	10-29	Silty clay loam, silt loam, channery silty clay loam	GC, CL, SC	A-6	0	0	55-100	50-100	45-100	35-95	25-40	11-23
	29-41	Silty clay, silty clay loam, channery silt loam	CL, GC, SC	A-6, A-7	0	0	55-100	50-100	45-100	35-95	30-50	11-30
	41-57	Very channery silty clay loam, extremely channery silt loam, channery clay	CL, GC	A-2, A-6, A-7	0	0-10	25-65	20-60	20-60	15-55	30-50	11-30
	57-67	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	
RnC:												
Ryder----------	0-8	Channery silt loam	ML	A-4	0	0	80-95	60-75	55-70	50-65	---	---
	8-30	Silt loam, loam, channery silty clay loam	ML	A-4, A-5, A-7	0	0-5	70-100	60-95	55-90	50-85	30-45	3-11
	30-35	Channery loam, channery silt loam, very channery silt loam	GM	A-1, A-2, A-4, A-6	0	0-30	30-65	25-60	20-55	15-50	25-40	2-11
	35-45	Unweathered bedrock			---	---	---	---	---	---	---	---
Nollville-------	0-10	Channery silt loam	GC, CL, CL-ML	A-2, A-4, A-6	0	0	55-80	50-75	40-75	30-70	20-35	4-12
	10-29	Silty clay loam, silt loam, channery silty clay loam	SC, CL, GC	A-6	0	0	55-100	50-100	45-100	35-95	25-40	11-23
	29-41	Silty clay, silty clay loam, channery silt loam	CL, GC, SC	A-6, A-7	0	0	55-100	50-100	45-100	35-95	30-50	11-30
	41-57	Very channery silty clay loam, extremely channery silt loam, channery clay	CL, GC	A-2, A-6, A-7	0	0-10	25-65	20-60	20-60	15-55	30-50	11-30
	57-67	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	
RnD:												
Ryder----------	0-8	Channery silt loam	ML	A-4	0	0	80-95	60-75	55-70	50-65	---	---
	8-30	Silt loam, loam, channery silty clay loam	ML	A-4, A-5, A-7	0	0-5	70-100	60-95	55-90	50-85	30-45	3-11
	30-35	Channery loam, channery silt loam, very channery silt loam	GM	A-1, A-2, A-4, A-6	0	0-30	30-65	25-60	20-55	15-50	25-40	2-11
	35-45	Unweathered bedrock			---	---	---	---	---	---	---	---
Nollville-------	0-8	Channery silt loam	GC, CL, CL-ML	A-2, A-4, A-6	0	0	55-80	50-75	40-75	30-70	20-35	4-12
	8-27	Silty clay loam, silt loam, channery silty clay loam	GC, SC, CL	A-6	0	0	55-100	50-100	45-100	35-95	25-40	11-23
	27-39	Silty clay, silty clay loam, channery silt loam	CL, GC, SC	A-6, A-7	0	0	55-100	50-100	45-100	35-95	30-50	11-30
	39-55	Very channery silty clay loam, extremely channery silt loam, channery clay	CL, GC	A-2, A-6, A-7	0	0-10	25-65	20-60	20-60	15-55	30-50	11-30
	55-65	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	
RvC:												
Ryder----------	0-8	Channery silt loam	CL, CL-ML, GM, ML	A-4, A-6	0	0-5	55-80	50-75	45-75	35-70	21-33	2-11
	8-30	Channery silty clay loam, silt loam, loam	GM, ML, SM	A-4, A-5	0	0-10	55-100	50-100	45-100	30-95	30-45	3-11
	30-35	Extremely channery silty clay loam, very channery silt loam, channery loam	GM, ML, SM	A-1, A-2, A-4, A-6	0-10	10-40	30-80	25-75	20-75	15-70	25-40	2-11
	35-45	Unweathered bedrock			---	---	---	---	---	---	---	---
Nollville-------	0-10	Channery silt loam	CL-ML	A-2, A-4, A-6	0	0	55-100	50-75	40-75	30-70	20-35	4-12
	10-29	Silty clay loam, silt loam, channery silty clay loam	GC, CL	A-6	0	0	55-100	50-100	45-100	35-95	25-40	11-23
	29-41	Silty clay, silty clay loam, channery sand	CL, GC	A-6, A-7	0	0	55-100	50-100	45-100	35-95	30-50	11-35
	41-57	Very channery silty clay loam, extremely channery silt loam, channery clay	GC, CL	A-2, A-6, A-7	0	0-10	25-65	20-60	20-60	15-55	30-50	11-35
	57-67	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	
RyB:												
Ryder----------	0-8	Channery silt loam	ML, CL, CL-ML, GM	A-4, A-6	0	0-5	55-80	50-75	45-75	35-70	21-33	2-11
	8-30	Channery silty clay loam, silt loam, loam	GM, ML, SM	A-4, A-5	0	0-10	55-100	50-100	45-100	30-95	30-45	3-11
	30-35	Extremely channery silty clay loam, very channery silt loam, channery loam	GM, ML, SM	A-1, A-2, A-4, A-6	0-10	10-40	30-80	25-75	20-75	15-70	25-40	2-11
	35-45	Unweathered bedrock			---	---	---	---	---	---	---	---
Rock Outcrop----	0-60	Unweathered bedrock			---	---	---	---	---	---	---	---
RyC:												
Ryder----------	0-8	Channery silt loam	CL-ML, GM, ML, CL	A-4, A-6	0	0-5	55-80	50-75	45-75	35-70	21-33	2-11
	8-30	Channery silty clay loam, silt loam, loam	GM, ML, SM	A-4, A-5	0	0-10	55-100	50-100	45-100	30-95	30-45	3-11
	30-35	Extremely channery silty clay loam, very channery silt loam, channery loam	GM, ML, SM	A-1, A-2, A-4, A-6	0-10	10-40	30-80	25-75	20-75	15-70	25-40	2-11
	35-45	Unweathered bedrock			---	---	---	---	---	---	---	---
Rock Outcrop----	0-60	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	
RyD:												
Ryder----------	0-5	Channery silt loam	CL, CL-ML, GM, ML	A-4, A-6	0	0-5	55-80	50-75	45-75	35-70	21-33	2-11
	5-27	Channery silty clay loam, silt loam, loam	GM, ML, SM	A-4, A-5	0	0-10	55-100	50-100	45-100	30-95	30-45	3-11
	27-32	Extremely channery silty clay loam, very channery silt loam, channery loam	GM, ML, SM	A-1, A-2, A-4, A-6	0-10	10-40	30-80	25-75	20-75	15-70	25-40	2-11
	32-42	Unweathered bedrock			---	---	---	---	---	---	---	---
Rock Outcrop----	0-60	Unweathered bedrock			---	---	---	---	---	---	---	---
SdB:												
Sideling--------	0-8	Gravelly loam	GC, GM, ML, SM	A-4, A-6	0	0-5	50-85	45-75	40-70	35-65	20-30	3-11
	8-38	Gravelly loam, gravelly clay loam, very gravelly sandy clay loam	CL, GC, GM, ML	A-4, A-6	0-5	0-15	50-95	45-90	40-85	35-80	20-35	3-15
	38-74	Channery silty clay loam, channery clay loam, clay	CH, CL	A-6, A-7	0-1	0-15	50-95	45-90	40-85	35-80	30-55	10-30
SdC:												
Sideling--------	0-8	Gravelly loam	GC, GM, ML, SM	A-4, A-6	0	0-5	50-85	45-75	40-70	35-65	20-30	3-11
	8-38	Gravelly loam, gravelly clay loam, very gravelly sandy clay loam	CL, GC, GM, ML	A-4, A-6	0-5	0-15	50-95	45-90	40-85	35-80	20-35	3-15
	38-74	Channery silty clay loam, channery clay loam, clay	CH, CL	A-6, A-7	0-1	0-15	50-95	45-90	40-85	35-80	30-55	10-30

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plas-ticity index
	In				Pct	Pct					Pct	
SdD:												
Sideling--------	0-4	Gravelly loam	GC, GM, ML, SM	A-4, A-6	0	0-5	50-85	45-75	40-70	35-65	20-30	3-11
	4-38	Gravelly loam, gravelly clay loam, very gravelly sandy clay loam	CL, GC, GM, ML	A-4, A-6	0-5	0-15	50-95	45-90	40-85	35-80	20-35	3-15
	38-74	Channery silty clay loam, channery clay loam, clay	CH, CL	A-6, A-7	0-1	0-15	50-95	45-90	40-85	35-80	30-55	10-30
SgB:												
Sideling--------	0-4	Extremely stony loam	GC, ML, SM, GM	A-4, A-6	3-15	0-15	50-85	45-75	40-70	35-65	20-30	3-11
	4-38	Gravelly loam, gravelly clay loam, very gravelly sandy clay loam	GC, GM, ML, CL	A-4, A-6	0-5	0-15	50-95	45-90	40-85	35-80	20-35	3-15
	38-74	Channery silty clay loam, channery clay loam, clay	CL, CH	A-6, A-7	0-1	0-15	50-95	45-90	40-85	35-80	30-55	10-30
SgC:												
Sideling--------	0-4	Extremely stony loam	GM, ML, SM, GC	A-4, A-6	3-15	0-15	50-85	45-75	40-70	35-65	20-30	3-11
	4-38	Gravelly loam, gravelly clay loam, very gravelly sandy clay loam	CL, GC, GM, ML	A-4, A-6	0-5	0-15	50-95	45-90	40-85	35-80	20-35	3-15
	38-74	Channery silty clay loam, channery clay loam, clay	CH, CL	A-6, A-7	0-1	0-15	50-95	45-90	40-85	35-80	30-55	10-30

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
SgD:												
Sideling--------	0-4	Extremely stony loam	GC, GM, SM, ML	A-4, A-6	3-15	0-15	50-85	45-75	40-70	35-65	20-30	3-11
	4-38	Gravelly loam, gravelly clay loam, very gravelly sandy clay loam	GC, GM, ML, CL	A-4, A-6	0-5	0-15	50-95	45-90	40-85	35-80	20-35	3-15
	38-74	Channery silty clay loam, channery clay loam, clay	CH, CL	A-6, A-7	0-1	0-15	50-95	45-90	40-85	35-80	30-55	10-30
SpA:												
Swanpond--------	0-8	Silt loam	CL, CL-ML	A-4, A-7	0	0-10	85-100	80-100	70-100	55-95	21-48	6-25
	8-32	Clay, silty clay	CH	A-7	0	0-10	95-100	90-100	85-100	80-100	66-84	39-53
	32-65	Clay, silty clay	CH	A-7	0	0-10	95-100	90-100	85-100	80-100	57-84	32-53
SpB:												
Swanpond--------	0-8	Silt loam	CL-ML, CL	A-4, A-7	0	0-10	85-100	80-100	70-100	55-95	21-48	6-25
	8-32	Clay, silty clay	CH	A-7	0	0-10	95-100	90-100	85-100	80-100	66-84	39-53
	32-65	Clay, silty clay	CH	A-7	0	0-10	95-100	90-100	85-100	80-100	57-84	32-53
SsA:												
Swanpond--------	0-7	Silt loam	CL, CL-ML	A-4, A-7	0	0-10	85-100	80-100	70-100	55-95	21-48	6-25
	7-32	Clay, silty clay	CH	A-7	0	0-10	95-100	90-100	85-100	80-100	66-84	39-53
	32-65	Clay, silty clay	CH	A-7	0	0-10	95-100	90-100	85-100	80-100	57-84	32-53

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	
Funkstown-------	0-12	Silt loam	CL, ML	A-4, A-6	0	0	95-100	85-100	80-100	65-80	15-30	3-11
	12-29	Gravelly silt loam, gravelly silty clay loam, very gravelly loam	SM, CL, ML	A-2, A-4, A-6	0	0	65-90	60-85	55-80	30-70	15-35	3-15
	29-45	Silty clay loam, clay loam, loam	ML, CL	A-4, A-6, A-7	0	0	95-100	90-100	80-90	65-80	20-45	3-20
	45-80	Channery silt loam, channery silty clay loam, channery loam	CL, ML	A-4, A-6, A-7	0	0	65-90	60-85	55-80	50-70	20-45	3-20
SuA:												
Funkstown-------	0-12	Silt loam	CL, ML	A-4, A-6	0	0	95-100	85-100	80-100	65-80	15-30	3-11
	12-29	Gravelly silt loam, gravelly silty clay loam, very gravelly loam	CL, ML, SM	A-2, A-4, A-6	0	0	65-90	60-85	55-80	30-70	15-35	3-15
	29-45	Silty clay loam, clay loam, loam	CL, ML	A-4, A-6, A-7	0	0	95-100	90-100	80-90	65-80	20-45	3-20
	45-80	Channery silt loam, channery silty clay loam, channery loam	CL, ML	A-4, A-6, A-7	0	0	65-90	60-85	55-80	50-70	20-45	3-20
Swanpond--------	0-7	Silt loam	CL, CL-ML	A-4, A-7	0	0-10	85-100	80-100	70-100	55-95	21-48	6-25
	7-32	Clay, silty clay	CH	A-7	0	0-10	95-100	90-100	85-100	80-100	66-84	39-53
	32-65	Clay, silty clay	CH	A-7	0	0-10	95-100	90-100	85-100	80-100	57-84	32-53
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
TaB:												
Talladega-------	0-10	Channery silt loam	GM, SC, SC-SM, SM	A-1, A-2, A-4	0	3-5	50-75	50-60	38-55	20-40	0-30	NP-10
	10-27	Channery clay loam, channery silt loam, channery silty clay loam	SC, SM, GC, GM	A-2, A-4, A-6	0-3	5-10	40-75	35-50	30-45	30-45	30-40	7-15
	27-77	Weathered bedrock			---	---	---	---	---	---	---	---
TaC:												
Talladega-------	0-10	Channery silt loam	SM, GM, SC, SC-SM	A-1, A-2, A-4	0	3-5	50-75	50-60	38-55	20-40	0-30	NP-10
	10-27	Channery clay loam, channery silt loam, channery silty clay loam	SM, GC, GM, SC	A-2, A-4, A-6	0-3	5-10	40-75	35-50	30-45	30-45	30-40	7-15
	27-77	Weathered bedrock			---	---	---	---	---	---	---	---
TaD:												
Talladega-------	0-10	Channery silt loam	GM, SC, SC-SM, SM	A-1, A-2, A-4	0	3-5	50-75	50-60	38-55	20-40	0-30	NP-10
	10-27	Channery clay loam, channery silt loam, channery silty clay loam	SM, SC, GM, GC	A-2, A-4, A-6	0-3	5-10	40-75	35-50	30-45	30-45	30-40	7-15
	27-77	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	
ThB:												
Thurmont--------	0-11	Gravelly loam	CL, SM, SC, SC-SM	A-1, A-2, A-4	---	0-3	75-90	50-75	35-65	20-55	0-30	NP-10
	11-22	Clay loam, loam, gravelly sandy clay loam	CL, SC	A-2, A-6, A-7	---	2-20	75-90	55-75	45-70	25-55	30-45	12-20
	22-41	Sandy loam, sandy clay loam, gravelly sandy clay loam	SC	A-2, A-6, A-7	---	2-20	75-90	55-75	35-60	20-40	30-45	12-25
	41-84	Cobbly sandy loam, gravelly sandy clay loam	SC-SM, SM	A-1, A-2	---	15-40	70-85	45-75	30-50	15-35	0-20	NP-7
ThC:												
Thurmont--------	0-11	Gravelly loam	SM, CL, SC, SC-SM	A-1, A-2, A-4	---	0-3	75-90	50-75	35-65	20-55	0-30	NP-10
	11-22	Clay loam, loam, gravelly sandy clay loam	CL, SC	A-2, A-6, A-7	---	2-20	75-90	55-75	45-70	25-55	30-45	12-20
	22-41	Sandy loam, sandy clay loam, gravelly sandy clay loam	SC	A-2, A-6, A-7	---	2-20	75-90	55-75	35-60	20-40	30-45	12-25
	41-84	Cobbly sandy loam, gravelly sandy clay loam	SM, SC-SM	A-1, A-2	---	15-40	70-85	45-75	30-50	15-35	0-20	NP-7

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
ThD:												
Thurmont--------	0-11	Gravelly loam	CL, SC, SC-SM, SM	A-1, A-2, A-4	---	0-3	75-90	50-75	35-65	20-55	0-30	NP-10
	11-22	Clay loam, loam, gravelly sandy clay loam	CL, SC	A-2, A-6, A-7	---	2-20	75-90	55-75	45-70	25-55	30-45	12-20
	22-41	Sandy loam, sandy clay loam, gravelly sandy clay loam	SC	A-2, A-6, A-7	---	2-20	75-90	55-75	35-60	20-40	30-45	12-25
	41-84	Cobbly sandy loam, gravelly sandy clay loam	SC-SM, SM	A-1, A-2	---	15-40	70-85	45-75	30-50	15-35	0-20	NP-7
TrA:												
Trego----------	0-9	Gravelly loam	CL-ML	A-4, A-6	0-1	0-10	70-95	65-90	50-80	45-75	20-35	4-11
	9-21	Gravelly sandy clay loam, gravelly loam, gravelly silt loam	CL, CL-ML, ML	A-4, A-6	0	0-5	60-95	55-80	50-75	45-70	20-35	3-15
	21-38	Gravelly sandy clay loam, gravelly loam, gravelly sandy loam	SC-SM, SC, ML, SM	A-2, A-4	0	0-10	60-85	55-80	50-75	30-65	20-40	3-15
	38-96	Gravelly sandy clay loam, gravelly sandy loam, gravelly loam	SC, SC-SM, SM	A-2, A-4	0	0-10	55-80	50-75	45-70	25-50	20-35	3-15

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	
TrB:												
Trego----------	0-9	Gravelly loam	CL-ML	A-4, A-6	0-1	0-10	70-95	65-90	50-80	45-75	20-35	4-11
	9-21	Gravelly sandy clay loam, gravelly loam, gravelly silt loam	CL, CL-ML, ML	A-4, A-6	0	0-5	60-95	55-80	50-75	45-70	20-35	3-15
	21-38	Gravelly sandy clay loam, gravelly loam, gravelly sandy loam	ML, SC, SC-SM, SM	A-2, A-4	0	0-10	60-85	55-80	50-75	30-65	20-40	3-15
	38-96	Gravelly sandy clay loam, gravelly sandy loam, gravelly loam	SM, SC, SC-SM	A-2, A-4	0	0-10	55-80	50-75	45-70	25-50	20-35	3-15
TrC:												
Trego----------	0-9	Gravelly loam	CL-ML	A-4, A-6	0-1	0-10	70-95	65-90	50-80	45-75	20-35	4-11
	9-21	Gravelly sandy clay loam, gravelly loam, gravelly silt loam	ML, CL, CL-ML	A-4, A-6	0	0-5	60-95	55-80	50-75	45-70	20-35	3-15
	21-38	Gravelly sandy clay loam, gravelly loam, gravelly sandy loam	SC-SM, ML, SC, SM	A-2, A-4	0	0-10	60-85	55-80	50-75	30-65	20-40	3-15
	38-96	Gravelly sandy clay loam, gravelly sandy loam, gravelly loam	SC, SC-SM, SM	A-2, A-4	0	0-10	55-80	50-75	45-70	25-50	20-35	3-15
TyA:												
Tyler----------	0-8	Silt loam	ML	A-4	0	0	100	95-100	90-100	75-95	30-40	4-10
	8-30	Silty clay loam, silt loam	CL	A-4, A-6, A-7	0	0	100	95-100	90-100	80-100	25-45	8-20
	30-65	Silty clay loam, silt loam, clay loam	CL	A-4, A-6, A-7	0	0	90-100	85-100	80-100	65-95	25-45	8-20

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	
TyB:												
Tyler----------	0-8	Silt loam	ML	A-4	0	0	100	95-100	90-100	75-95	30-40	4-10
	8-30	Silty clay loam, silt loam	CL	A-4, A-6, A-7	0	0	100	95-100	90-100	80-100	25-45	8-20
	30-65	Silty clay loam, silt loam, clay loam	CL	A-4, A-6, A-7	0	0	90-100	85-100	80-100	65-95	25-45	8-20
Ud:												
Udorthents------	0-2	Clay loam	CL	A-6	0	0-5	90-100	80-100	80-100	60-90	25-35	10-15
	2-65	Silty clay loam, silty clay, clay	CL, CH	A-7	0	0-5	90-100	85-100	75-100	65-95	40-55	15-30
UrB:												
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
UrD:												
Urban Land------	0-6	Variable			---	---	---	---	---	---	0-14	---
W:												
Water----------	---	---	---	---	---	---	---	---	---	---	---	---
WaA:												
Walkersville----	0-11	Silt loam	CL, CL-ML, ML	A-4, A-6	0	0-1	95-100	90-100	50-90	50-90	15-30	NP-11
	11-30	Silty clay loam, gravelly clay loam, gravelly loam	CL, CL-ML, ML	A-4, A-6	0	0-5	80-100	75-95	70-90	65-85	15-40	3-25
	30-72	Silty clay, gravelly silty clay loam, gravelly clay loam	CH, CL	A-6, A-7	0	0-1	80-100	75-90	70-85	65-80	30-55	15-35

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	
WaB:												
Walkersville----	0-11	Silt loam	CL, CL-ML, ML	A-4, A-6	0	0-1	95-100	90-100	50-90	50-90	15-30	NP-11
	11-30	Silty clay loam, gravelly clay loam, gravelly loam	CL, CL-ML, ML	A-4, A-6	0	0-5	80-100	75-95	70-90	65-85	15-40	3-25
	30-72	Silty clay, gravelly silty clay loam, gravelly clay loam	CL, CH	A-6, A-7	0	0-1	80-100	75-90	70-85	65-80	30-55	15-35
WaC:												
Walkersville----	0-11	Silt loam	CL, CL-ML, ML	A-4, A-6	0	0-1	95-100	90-100	50-90	50-90	15-30	NP-11
	11-30	Silty clay loam, gravelly clay loam, gravelly loam	CL, CL-ML, ML	A-4, A-6	0	0-5	80-100	75-95	70-90	65-85	15-40	3-25
	30-72	Silty clay, gravelly silty clay loam, gravelly clay loam	CH, CL	A-6, A-7	0	0-1	80-100	75-90	70-85	65-80	30-55	15-35
WcA:												
Walkersville----	0-11	Gravelly loam	CL, CL-ML, ML	A-4, A-6	0	0-5	80-100	75-90	65-80	60-75	15-30	NP-11
	11-30	Silty clay loam, gravelly clay loam, gravelly loam	CL, CL-ML, ML	A-4, A-6	0	0-5	80-100	75-95	70-90	65-85	15-40	3-25
	30-72	Silty clay, gravelly silty clay loam, gravelly clay loam	CH, CL	A-6, A-7	0	0-1	80-100	75-90	70-85	65-80	30-55	15-35
WcB:												
Walkersville----	0-11	Gravelly loam	CL, CL-ML, ML	A-4, A-6	0	0-5	80-100	75-90	65-80	60-75	15-30	NP-11
	11-30	Silty clay loam, gravelly clay loam, gravelly loam	CL, CL-ML, ML	A-4, A-6	0	0-5	80-100	75-95	70-90	65-85	15-40	3-25
	30-72	Silty clay, gravelly silty clay loam, gravelly clay loam	CH, CL	A-6, A-7	0	0-1	80-100	75-90	70-85	65-80	30-55	15-35

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	
WcC:												
Walkersville----	0-8	Gravelly loam	CL, CL-ML, ML	A-4, A-6	0	0-5	80-100	75-90	65-80	60-75	15-30	NP-11
	8-30	Silty clay loam, gravelly clay loam, gravelly loam	CL, CL-ML, ML	A-4, A-6	0	0-5	80-100	75-95	70-90	65-85	15-40	3-25
	30-72	Silty clay, gravelly silty clay loam, gravelly clay loam	CH, CL	A-6, A-7	0	0-1	80-100	75-90	70-85	65-80	30-55	15-35
WeB:												
Weikert---------	0-6	Very channery silt loam	GM, ML, SM	A-1, A-2, A-4	0	10-25	35-70	25-70	25-65	20-55	30-40	4-10
	6-18	Channery loam, very channery silt loam, gravelly loam	GM, GP-GM	A-1, A-2	0-1	0-20	15-60	10-55	5-45	5-35	28-36	3-9
	18-28	Weathered bedrock			---	---	---	---	---	---	---	---
WeC:												
Weikert---------	0-6	Very channery silt loam	GM, ML, SM	A-1, A-2, A-4	0	10-25	35-70	25-70	25-65	20-55	30-40	4-10
	6-18	Channery loam, very channery silt loam, gravelly loam	GM, GP-GM	A-1, A-2	0-1	0-20	15-60	10-55	5-45	5-35	28-36	3-9
	18-28	Weathered bedrock			---	---	---	---	---	---	---	---
WeD:												
Weikert---------	0-4	Very channery silt loam	GM, ML, SM	A-1, A-2, A-4	0	10-25	35-70	25-70	25-65	20-55	30-40	4-10
	4-18	Channery loam, very channery silt loam, gravelly loam	GM, GP-GM	A-1, A-2	0-1	0-20	15-60	10-55	5-45	5-35	28-36	3-9
	18-28	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	
WeF:												
Weikert---------	0-4	Very channery silt loam	GM, ML, SM	A-1, A-2, A-4	0	10-25	35-70	25-70	25-65	20-55	30-40	4-10
	4-18	Channery loam, very channery silt loam, gravelly loam	GP-GM, GM	A-1, A-2	0-1	0-20	15-60	10-55	5-45	5-35	28-36	3-9
	18-28	Weathered bedrock			---	---	---	---	---	---	---	---
WkB:												
Berks----------	0-8	Channery silt loam	SC, GC, GM, ML	A-2, A-4	0	0-20	50-80	45-70	40-60	30-55	25-36	5-10
	8-26	Channery loam, very channery loam, channery silt loam	SM, GC, GM, SC	A-1, A-2, A-4	0	0-30	40-80	35-70	25-60	20-45	25-36	5-10
	26-36	Channery loam, very channery loam, channery silt loam	GC-GM, GM, SM	A-1, A-2	0	0-40	35-65	25-55	20-40	15-35	24-38	2-10
	36-46	Weathered bedrock			---	---	---	---	---	---	0-14	---
Weikert---------	0-8	Channery silt loam	GM, ML, SM	A-1, A-2, A-4	0	0-10	35-70	35-70	25-65	20-55	30-40	4-10
	8-18	Channery loam, very channery silt loam, gravelly loam	GM, GP-GM	A-1, A-2	0-1	0-20	15-60	10-55	5-45	5-35	28-36	3-9
	18-28	Weathered bedrock			---	---	---	---	---	---	---	---
WkC:												
Weikert---------	0-6	Channery silt loam	GM, ML, SM	A-1, A-2, A-4	0	0-10	35-70	35-70	25-65	20-55	30-40	4-10
	6-18	Channery loam, very channery silt loam, gravelly loam	GM, GP-GM	A-1, A-2	0-1	0-20	15-60	10-55	5-45	5-35	28-36	3-9
	18-28	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	
Berks----------	0-6	Channery silt loam	GM, ML, SC, GC	A-2, A-4	0	0-20	50-80	45-70	40-60	30-55	25-36	5-10
	6-26	Channery loam, very channery loam, channery silt loam	GC, GM, SC, SM	A-1, A-2, A-4	0	0-30	40-80	35-70	25-60	20-45	25-36	5-10
	26-36	Channery loam, very channery loam, channery silt loam	GM, SM, GC-GM	A-1, A-2	0	0-40	35-65	25-55	20-40	15-35	24-38	2-10
	36-46	Weathered bedrock			---	---	---	---	---	---	0-14	---
WkD:												
Weikert---------	0-4	Channery silt loam	GM, ML, SM	A-1, A-2, A-4	0	0-10	35-70	35-70	25-65	20-55	30-40	4-10
	4-18	Channery loam, very channery silt loam, gravelly loam	GM, GP-GM	A-1, A-2	0-1	0-20	15-60	10-55	5-45	5-35	28-36	3-9
	18-28	Weathered bedrock			---	---	---	---	---	---	---	---
Berks----------	0-4	Channery silt loam	GM, ML, SC, GC	A-2, A-4	0	0-20	50-80	45-70	40-60	30-55	25-36	5-10
	4-26	Channery loam, very channery loam, channery silt loam	GM, SC, SM, GC	A-1, A-2, A-4	0	0-30	40-80	35-70	25-60	20-45	25-36	5-10
	26-36	Channery loam, very channery loam, channery silt loam	GC-GM, GM, SM	A-2, A-1	0	0-40	35-65	25-55	20-40	15-35	24-38	2-10
	36-46	Weathered bedrock			---	---	---	---	---	---	0-14	---

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
WrC:												
Weverton--------	0-13	Very flaggy loam	CL-ML, SC, SC-SM, CL	A-4	40-50	10-25	75-90	60-80	55-80	40-65	0-30	NP-10
	13-35	Very flaggy loam, extremely flaggy sandy clay loam, extremely flaggy clay loam	CL, SC	A-2, A-6	20-50	0-25	80-90	60-80	50-75	30-65	20-40	10-25
	35-57	Extremely flaggy loam, extremely flaggy sandy clay loam, extremely flaggy clay loam	GC, SC, SC-SM, SM	A-2, A-4	30-50	20-30	60-75	55-65	45-60	25-50	0-30	NP-10
	57-77	Weathered bedrock			---	---	---	---	---	---	---	---
WrD:												
Weverton--------	0-13	Very flaggy loam	CL, CL-ML, SC, SC-SM	A-4	40-50	10-25	75-90	60-80	55-80	40-65	0-30	NP-10
	13-35	Very flaggy loam, extremely flaggy sandy clay loam, extremely flaggy clay loam	CL, SC	A-2, A-6	20-50	0-25	80-90	60-80	50-75	30-65	20-40	10-25
	35-57	Extremely flaggy loam, extremely flaggy sandy clay loam, extremely flaggy clay loam	SC-SM, SM, SC, GC	A-2, A-4	30-50	20-30	60-75	55-65	45-60	25-50	0-30	NP-10
	57-77	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	
WrE:												
Weverton--------	0-13	Very flaggy loam	CL, CL-ML, SC, SC-SM	A-4	40-50	10-25	75-90	60-80	55-80	40-65	0-30	NP-10
	13-35	Very flaggy loam, extremely flaggy sandy clay loam, extremely flaggy clay loam	CL, SC	A-2, A-6	20-50	0-25	80-90	60-80	50-75	30-65	20-40	10-25
	35-57	Extremely flaggy loam, extremely flaggy sandy clay loam, extremely flaggy clay loam	GC, SC, SC-SM, SM	A-2, A-4	30-50	20-30	60-75	55-65	45-60	25-50	0-30	NP-10
	57-77	Weathered bedrock			---	---	---	---	---	---	---	---
WuB:												
Wurno----------	0-4	Channery silt loam	CL, GC, GM, ML	A-2, A-4	0	0-5	60-100	50-95	30-95	20-85	0-30	NP-10
	4-11	Silty clay loam, channery silt loam, extremely channery silt loam	CL, GC, GM, ML	A-1, A-2, A-4, A-6	0	0-5	40-100	10-85	5-80	5-75	0-30	NP-15
	11-31	Channery silt loam, extremely channery silt loam	GC, GM, SC, SM	A-1, A-2, A-4	0	0-5	30-100	10-50	5-50	5-45	0-30	NP-10
	31-60	Weathered bedrock			---	---	---	---	---	---	---	---
	60-70	Unweathered bedrock			---	---	---	---	---	---	---	---

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
Nollville-------	0-10	Channery silt loam	CL, CL-ML, GC	A-2, A-4, A-6	0	0	55-80	50-75	40-75	30-70	20-35	4-12
	10-29	Silty clay loam, silt loam, channery silty clay loam	CL, GC, SC	A-6	0	0	55-100	50-100	45-100	35-95	25-40	11-23
	29-41	Silty clay, silty clay loam, channery silt loam	CL, GC, SC	A-6, A-7	0	0	55-100	50-100	45-100	35-95	30-50	11-30
	41-57	Very channery silty clay loam, extremely channery silt loam, channery clay	CL, GC	A-2, A-6, A-7	0	0-10	25-65	20-60	20-60	15-55	30-50	11-30
	57-67	Unweathered bedrock			---	---	---	---	---	---	---	---
WuC:												
Wurno----------	0-4	Channery silt loam	CL, GC, GM, ML	A-2, A-4	0	0-5	60-100	50-95	30-95	20-85	0-30	NP-10
	4-11	Silty clay loam, channery silt loam, extremely channery silt loam	CL, GC, GM, ML	A-1, A-2, A-4, A-6	0	0-5	40-100	10-85	5-80	5-75	0-30	NP-15
	11-31	Channery silt loam, extremely channery silt loam	GC, GM, SC, SM	A-1, A-2, A-4	0	0-5	30-100	10-50	5-50	5-45	0-30	NP-10
	31-60	Weathered bedrock			---	---	---	---	---	---	---	---
	60-70	Unweathered bedrock			---	---	---	---	---	---	---	---

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
Nollville-------	0-10	Channery silt loam	CL, CL-ML, GC	A-2, A-4, A-6	0	0	55-80	50-75	40-75	30-70	20-35	4-12
	10-29	Silty clay loam, silt loam, channery silty clay loam	SC, GC, CL	A-6	0	0	55-100	50-100	45-100	35-95	25-40	11-23
	29-41	Silty clay, silty clay loam, channery silt loam	CL, GC, SC	A-6, A-7	0	0	55-100	50-100	45-100	35-95	30-50	11-30
	41-57	Very channery silty clay loam, extremely channery silt loam, channery clay	CL, GC	A-2, A-6, A-7	0	0-10	25-65	20-60	20-60	15-55	30-50	11-30
	57-67	Unweathered bedrock			---	---	---	---	---	---	---	---
WuD:												
Wurno----------	0-4	Channery silt loam	CL, GC, GM, ML	A-2, A-4	0	0-5	60-100	50-95	30-95	20-85	0-30	NP-10
	4-11	Silty clay loam, channery silt loam, extremely channery silt loam	ML, CL, GC, GM	A-1, A-2, A-4, A-6	0	0-5	40-100	10-85	5-80	5-75	0-30	NP-15
	11-31	Channery silt loam, extremely channery silt loam	GC, GM, SC, SM	A-1, A-2, A-4	0	0-5	30-100	10-50	5-50	5-45	0-30	NP-10
	31-60	Weathered bedrock			---	---	---	---	---	---	---	---
	60-70	Unweathered bedrock			---	---	---	---	---	---	---	---

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
Nollville-------	0-8	Channery silt loam	CL, CL-ML, GC	A-2, A-4, A-6	0	0	55-80	50-75	40-75	30-70	20-35	4-12
	8-27	Silty clay loam, silt loam, channery silty clay loam	CL, GC, SC	A-6	0	0	55-100	50-100	45-100	35-95	25-40	11-23
	27-39	Silty clay, silty clay loam, channery silt loam	CL, GC, SC	A-6, A-7	0	0	55-100	50-100	45-100	35-95	30-50	11-30
	39-55	Very channery silty clay loam, extremely channery silt loam, channery clay	CL, GC	A-2, A-6, A-7	0	0-10	25-65	20-60	20-60	15-55	30-50	11-30
	55-65	Unweathered bedrock			---	---	---	---	---	---	---	---
WuE:												
Wurno----------	0-2	Channery silt loam	CL, GC, GM, ML	A-2, A-4	0	0-5	60-100	50-95	30-95	20-85	0-30	NP-10
	2-9	Silty clay loam, channery silt loam, extremely channery silt loam	CL, GC, GM, ML	A-1, A-2, A-4, A-6	0	0-5	40-100	10-85	5-80	5-75	0-30	NP-15
	9-29	Channery silt loam, extremely channery silt loam	GC, GM, SC, SM	A-1, A-2, A-4	0	0-5	30-100	10-50	5-50	5-45	0-30	NP-10
	29-59	Weathered bedrock			---	---	---	---	---	---	---	---
	59-69	Unweathered bedrock			---	---	---	---	---	---	---	---

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Nollville-------	0-5	Channery silt loam	CL, CL-ML, GC	A-2, A-4, A-6	0	0	55-80	50-75	40-75	30-70	20-35	4-12
	5-24	Silty clay loam, silt loam, channery silty clay loam	CL, GC, SC	A-6	0	0	55-100	50-100	45-100	35-95	25-40	11-23
	24-33	Silty clay, silty clay loam, channery silt loam	CL, GC, SC	A-6, A-7	0	0	55-100	50-100	45-100	35-95	30-50	11-30
	33-52	Very channery silty clay loam, extremely channery silt loam, channery clay	GC, CL	A-2, A-6, A-7	0	0-10	25-65	20-60	20-60	15-55	30-50	11-30
	52-62	Unweathered bedrock			---	---	---	---	---	---	---	---