Table H. - Engineering Index Properties

Culpeper County, Virginia

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

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Aa:												
Albemarle	0-5	Fine Sandy Loam	CL-ML	A-4	0	0	95-100	90-100	55-85	30-55	14-30	NP-10
			ML									
			SC									
			SC-SM									
			SM									
	5-30	Sandy Clay Loam	CL	A-2	0	0	95-100	90-100	75-100	30-80	30-44	11-22
		Clay Loam	SC	A-6								
	30-38	Gravelly Sandy Loam	CL	A-2	0	0	70-100	70-100	42-85	21-55	16-34	NP-14
		Sandy Loam	CL-ML	A-4								
		Fine Sandy Loam	ML									
			SC									
			SM									
	38-50	Bedrock	---	---	---	---	---	---	---	---	---	---
	50-54	Bedrock	---	---	---	---	---	---	---	---	---	---
Ab:												
Albemarle	0-5	Fine Sandy Loam	CL-ML	A-4	0	0	95-100	90-100	55-85	30-55	14-30	NP-10
			ML									
			SC									
			SC-SM									
			SM									
	5-30	Clay Loam	CL	A-2	0	0	95-100	90-100	75-100	30-80	30-44	11-22
		Sandy Clay Loam	SC	A-6								
	30-38	Sandy Loam	CL	A-2	0	0	70-100	70-100	42-85	21-55	16-34	NP-14
		Fine Sandy Loam	CL-ML	A-4								
		Gravelly Sandy Loam	ML									
			SC									
			SM									
	38-50	Bedrock	---	---	---	---	---	---	---	---	---	---
	50-54	Bedrock	---	---	---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Ac:												
Albemarle	0-5	Fine Sandy Loam	CL-ML ML SC SC-SM SM	A-4	0	0	95-100	90-100	55-85	30-55	14-30	NP-10
	5-30	Clay Loam Sandy Clay Loam	CL SC	A-2 A-6	0	0	95-100	90-100	75-100	30-80	30-44	11-22
	30-38	Gravelly Sandy Loam Sandy Loam Fine Sandy Loam	CL CL-ML ML SC SM	A-2 A-4	0	0	70-100	70-100	42-85	21-55	16-34	NP-14
	38-50	Bedrock	---	---	---	---	---	---	---	---	---	---
	50-54	Bedrock	---	---	---	---	---	---	---	---	---	---
Ad:												
Albemarle	0-5	Fine Sandy Loam	CL-ML ML SC SC-SM SM	A-4	0	0	95-100	90-100	55-85	30-55	14-30	NP-10
	5-30	Clay Loam Sandy Clay Loam	CL SC	A-2 A-6	0	0	95-100	90-100	75-100	30-80	30-44	11-22
	30-38	Fine Sandy Loam Gravelly Sandy Loam Sandy Loam	CL CL-ML ML SC SM	A-2 A-4	0	0	70-100	70-100	42-85	21-55	16-34	NP-14
	38-50	Bedrock	---	---	---	---	---	---	---	---	---	---
	50-54	Bedrock	---	---	---	---	---	---	---	---	---	---
Ae:												

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Ae:												
Aldino	0-10	Silt Loam	CL	A-4	0	0	90-100	90-100	85-95	75-90	21-35	4-12
				A-6								
	10-22	Silty Clay Loam	CL	A-6	0	0	90-100	90-100	85-95	75-90	30-45	12-23
		Silt Loam		A-7								
	22-36	Silt Loam	CL	A-6	0	0	85-100	80-100	76-100	68-95	28-42	12-22
		Silty Clay Loam		A-7								
	36-60	Loam	CL	A-4	0	0-80	80-100	80-100	68-95	48-75	24-38	9-19
		Silt Loam		A-6								
Af:												
Aldino	0-10	Silt Loam	CL	A-4	0	0	90-100	90-100	85-95	75-90	21-35	4-12
				A-6								
	10-22	Silt Loam	CL	A-6	0	0	90-100	90-100	85-95	75-90	30-45	12-23
		Silty Clay Loam		A-7								
	22-36	Silt Loam	CL	A-6	0	0	85-100	80-100	76-100	68-95	28-42	12-22
		Silty Clay Loam		A-7								
	36-60	Silt Loam	CL	A-4	0	0-80	80-100	80-100	68-95	48-75	24-38	9-19
		Loam		A-6								
Ag:												
Altavista	0-12	Loam	CL-ML	A-4	0	0	98-100	92-100	75-95	50-75	21-37	6-13
			SC	A-6								
			SC-SM									
	12-47	Sandy Clay Loam	CL	A-6	0	0	98-100	92-100	73-100	32-80	29-44	13-25
		Clay Loam	SC	A-7								
			SC-SM									
	47-64	Sandy Loam	SC-SM	A-2	0	0-10	65-100	50-100	30-70	15-40	16-32	2-13
Ah:												

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Ah:												
Altavista	0-12	Loam	CL-ML	A-4	0	0	98-100	92-100	75-95	50-75	21-37	6-13
			SC	A-6								
			SC-SM									
	12-47	Clay Loam	CL	A-6	0	0	98-100	92-100	73-100	32-80	29-44	13-25
		Sandy Clay Loam	SC	A-7								
			SC-SM									
	47-64	Sandy Loam	SC-SM	A-2	0	0-10	65-100	50-100	30-70	15-40	16-32	2-13
Ak:												
Appling	0-9	Fine Sandy Loam	ML	A-2	0	0-5	80-100	75-100	52-85	30-55	17-35	2-13
			SC-SM	A-4								
			SM									
	9-48	Clay	CL	A-7	0	0-5	95-100	90-100	81-100	68-95	42-66	24-43
		Clay Loam										
		Sandy Clay										
	48-74	Fine Sandy Loam	CL	A-4	0	0-5	95-100	90-100	63-85	36-55	18-38	3-19
		Sandy Loam	ML	A-6								
		Loam	SC									
Al:												
Appling	0-9	Fine Sandy Loam	ML	A-2	0	0-5	80-100	75-100	52-85	30-55	17-35	2-13
			SC-SM	A-4								
			SM									
	9-48	Clay Loam	CL	A-7	0	0-5	95-100	90-100	81-100	68-95	42-66	24-43
		Sandy Clay										
		Clay										
	48-74	Loam	CL	A-4	0	0-5	95-100	90-100	63-85	36-55	18-38	3-19
		Sandy Loam	ML	A-6								
		Fine Sandy Loam	SC									
Am:												

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Am:												
Appling	0-9	Fine Sandy Loam	ML	A-2	0	0-5	80-100	75-100	52-85	30-55	17-35	2-13
			SC-SM	A-4								
			SM									
	9-48	Clay	CL	A-7	0	0-5	95-100	90-100	81-100	68-95	42-66	24-43
		Clay Loam										
		Sandy Clay										
	48-74	Fine Sandy Loam	CL	A-4	0	0-5	95-100	90-100	63-85	36-55	18-38	3-19
		Sandy Loam	ML	A-6								
		Loam	SC									
Ba:												
Brecknock	0-8	Silt Loam	CL	A-4	0	0	85-100	80-95	75-90	65-75	25-37	6-13
				A-6								
	8-36	Silt Loam	CL	A-6	0	0-15	65-100	60-95	57-90	48-75	26-42	11-22
		Clay Loam										
		Channery Silt Loam										
	36-46	Very Channery Clay Loam	GC	A-2	0	0-20	35-80	30-75	27-70	21-55	26-42	11-22
		Very Channery Silt Loam		A-6								
		Channery Loam										
	46-50	Bedrock	---	---	0	0	---	---	---	---	---	---
Bb:												
Bucks	0-9	Silt Loam	CL	A-4	0	0	95-100	90-100	81-100	63-90	25-43	6-17
			CL-ML	A-6								
	9-36	Channery Loam	CL	A-6	0	0	60-95	55-90	55-90	50-85	31-50	13-29
		Silty Clay Loam		A-7								
		Silt Loam										
	36-67	Silty Clay Loam	CL	A-4	0	5-15	40-90	35-85	32-76	24-60	20-40	6-21
		Silt Loam	GC	A-6								
		Channery Silt Loam	SC									
Bc:												

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Bc:												
Bucks	0-9	Silt Loam	CL	A-4	0	0	95-100	90-100	81-100	63-90	25-43	6-17
			CL-ML	A-6								
	9-36	Silt Loam	CL	A-6	0	0	60-95	55-90	55-90	50-85	31-50	13-29
		Channery Loam		A-7								
		Silty Clay Loam										
	36-67	Channery Silt Loam	CL	A-4	0	5-15	40-90	35-85	32-76	24-60	20-40	6-21
		Silty Clay Loam	GC	A-6								
		Silt Loam	SC									
Bd:												
Buncombe	0-10	Loamy Fine Sand	SC-SM	A-2	0	0	98-100	98-100	90-97	7-32	0-26	NP-7
			SM	A-3								
	10-43	Sand	SM	A-2	0	0	98-100	98-100	50-75	5-30	10-18	NP-3
		Loamy Fine Sand	SP-SM	A-3								
		Loamy Sand										
	43-64	Loamy Sand	SM	A-1	0	0	98-100	98-100	49-75	15-30	10-18	NP-3
				A-2								
Ca:												
Catlett	0-6	Gravelly Silt Loam	---	A-4	0	0-5	55-80	40-75	36-75	28-68	18-34	2-14
	6-12	Extremely Gravelly Silt Loam	GC	A-1-b	0-2	0-10	40-75	25-55	18-50	14-38	18-34	2-14
		Very Gravelly Silt Loam	GC-GM	A-2-4								
			GM	A-4								
			SC-SM									
	12-17	Very Gravelly Silt Loam	GC	A-1-b	0-2	0-10	40-75	25-55	18-50	14-38	18-34	2-14
		Extremely Gravelly Silt Loam	GC-GM	A-2-4								
			GM	A-4								
			SC-SM									
	17-26	Bedrock	---	---	---	---	---	---	---	---	---	---
	26-30	Bedrock	---	---	---	---	---	---	---	---	---	---
Cb:												

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Cb:												
Catlett	0-6	Gravelly Silt Loam	---	A-4	0	0-5	55-80	40-75	36-75	28-68	18-34	2-14
	6-12	Extremely Gravelly Silt Loam	GC	A-1-b	0-2	0-10	40-75	25-55	18-50	14-38	18-34	2-14
		Very Gravelly Silt Loam	GC-GM	A-2-4								
			GM	A-4								
			SC-SM									
	12-17	Extremely Gravelly Silt Loam	GC	A-1-b	0-2	0-10	40-75	25-55	18-50	14-38	18-34	2-14
		Very Gravelly Silt Loam	GC-GM	A-2-4								
			GM	A-4								
			SC-SM									
	17-26	Bedrock	---	---	---	---	---	---	---	---	---	---
	26-30	Bedrock	---	---	---	---	---	---	---	---	---	---
Cc:												
Catoctin	0-6	Silt Loam	CL	A-4	0	0	65-100	60-95	54-95	42-86	17-35	2-13
			CL-ML									
			ML									
	6-12	Channery Silty Clay Loam	CL	A-4	0	0-25	50-90	45-85	43-81	38-72	21-45	6-25
		Channery Silt Loam	SC	A-6								
		Very Channery Silty Clay Loam										
	12-27	Very Channery Silt Loam	GC	A-4	0	10-40	30-75	25-70	22-63	18-49	20-35	6-17
		Channery Silt Loam	SC	A-6								
	27-31	Bedrock	---	---	---	---	---	---	---	---	---	---
Cd:												

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Cd:												
Cecil	0-8	Fine Sandy Loam	SC SC-SM SM	A-2 A-4	0	0-5	75-100	70-100	49-80	28-50	17-33	2-13
	8-51	Clay Clay Loam Sandy Clay Loam	CL	A-6 A-7	0	0-5	90-100	90-100	81-100	68-95	29-66	13-43
	51-92	Sandy Loam Loam Fine Sandy Loam	CL ML	A-4	0	0-5	95-100	90-100	63-85	36-55	18-31	3-13
	92-96	Bedrock	---	---	---	---	---	---	---	---	---	---
Ce:												
Cecil	0-8	Fine Sandy Loam	SC SC-SM SM	A-2 A-4	0	0-5	75-100	70-100	49-80	28-50	17-33	2-13
	8-51	Clay Loam Sandy Clay Loam Clay	CL	A-6 A-7	0	0-5	90-100	90-100	81-100	68-95	29-66	13-43
	51-92	Fine Sandy Loam Sandy Loam Loam	CL ML	A-4	0	0-5	95-100	90-100	63-85	36-55	18-31	3-13
	92-96	Bedrock	---	---	---	---	---	---	---	---	---	---
Cf:												

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Cf:												
Cecil	0-8	Fine Sandy Loam	SC SC-SM SM	A-2 A-4	0	0-5	75-100	70-100	49-80	28-50	17-33	2-13
	8-51	Clay Clay Loam Sandy Clay Loam	CL	A-6 A-7	0	0-5	90-100	90-100	81-100	68-95	29-66	13-43
	51-92	Sandy Loam Loam Fine Sandy Loam	CL ML	A-4	0	0-5	95-100	90-100	63-85	36-55	18-31	3-13
	92-96	Bedrock	---	---	---	---	---	---	---	---	---	---
Cg:												
Cecil	0-10	Fine Sandy Loam	SC SC-SM SM	A-2 A-4	0	0-5	75-100	70-100	49-80	28-50	17-33	2-13
	10-51	Sandy Clay Loam Clay Clay Loam	CL	A-6 A-7	0	0-5	90-100	90-100	81-100	68-95	29-66	13-43
	51-92	Sandy Loam Loam Fine Sandy Loam	CL	A-4	0	0-5	95-100	90-100	63-85	36-55	18-31	3-13
	92-96	Bedrock	---	---	---	---	---	---	---	---	---	---
Ch:												

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Ch:												
Cecil	0-10	Fine Sandy Loam	SC	A-2	0	0-5	75-100	70-100	49-80	28-50	17-33	2-13
			SC-SM	A-4								
			SM									
	10-51	Clay	CL	A-6	0	0-5	90-100	90-100	81-100	68-95	29-66	13-43
		Clay Loam		A-7								
		Sandy Clay Loam										
	51-92	Loam	CL	A-4	0	0-5	95-100	90-100	63-85	36-55	18-31	3-13
		Fine Sandy Loam	ML									
		Sandy Loam										
	92-96	Bedrock	---	---	---	---	---	---	---	---	---	---
Ck:												
Chewacla	0-12	Silt Loam	CL	A-4	0	0	90-100	90-100	81-100	63-90	22-52	6-24
			CL-ML	A-6								
				A-7								
	12-19	Clay Loam	CL	A-6	0	0	90-100	90-100	80-100	65-90	28-47	12-24
		Silty Clay Loam		A-7								
		Silt Loam										
	19-28	Silt Loam	CL	A-6	0	0	90-100	90-100	85-100	65-90	28-47	12-24
		Loam	SC-SM	A-7-6								
		Sandy Clay Loam										
	28-62	Clay Loam	CL	A-6	0	0	80-100	75-100	68-100	52-90	28-47	12-24
		Silt Loam		A-7								
		Silty Clay Loam										
	62-67	Gravelly Loamy Sand	CL	A-1	0	0	60-100	50-100	25-95	8-75	0-34	NP-13
		Loam	SC	A-6								
Cl:												

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Cl:												
Congaree	0-11	Fine Sandy Loam	CL	A-4	0	0	95-100	90-100	63-85	36-55	18-33	2-10
	11-29	Loam	CL	A-6	0	0	95-100	90-100	76-95	54-75	29-49	12-24
		Fine Sandy Loam		A-7								
		Silty Clay Loam										
	29-72	Loam	CL	A-6	0	0	95-100	90-100	76-95	54-75	29-49	12-24
		Fine Sandy Loam		A-7								
		Silty Clay Loam										
Cm:												
Congaree	0-11	Silt Loam	CL-ML	A-4	0	0	95-100	90-100	85-100	75-90	22-41	6-17
	11-29	Loam	CL	A-6	0	0	95-100	90-100	76-95	54-75	29-49	12-24
		Fine Sandy Loam		A-7								
		Silty Clay Loam										
	29-72	Silty Clay Loam	CL	A-6	0	0	95-100	90-100	76-95	54-75	29-49	12-24
		Loam		A-7								
		Fine Sandy Loam										
Cn:												
Croton	0-9	Silt Loam	CL	A-4	0	0	90-100	85-100	80-100	65-90	31-49	9-20
				A-6								
	9-18	Channery Silt Loam	CL	A-6	0	0-10	90-100	90-100	86-100	76-95	32-47	13-25
		Silty Clay Loam										
		Silt Loam										
	18-36	Channery Silt Loam	CL	A-6	0	0-10	90-100	85-95	80-90	70-85	29-40	13-21
		Silty Clay Loam										
		Silt Loam										
	36-48	Channery Clay Loam	CL	A-6	0	0-10	55-100	50-100	50-95	45-85	29-44	13-25
		Channery Silty Clay Loam										
		Channery Silt Loam										
	48-52	Bedrock	---	---	0	0	---	---	---	---	---	---
Co:												

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Co:												
Croton	0-9	Silt Loam	CL	A-4	0	0	90-100	85-100	80-100	65-90	31-49	9-20
				A-6								
	9-18	Silt Loam	CL	A-6	0	0-10	90-100	90-100	86-100	76-95	32-47	13-25
		Channery Silt Loam										
		Silty Clay Loam										
	18-36	Channery Silt Loam	CL	A-6	0	0-10	90-100	85-95	80-90	70-85	29-40	13-21
		Silty Clay Loam										
		Silt Loam										
	36-48	Channery Clay Loam	CL	A-6	0	0-10	55-100	50-100	50-95	45-85	29-44	13-25
		Channery Silty Clay Loam										
		Channery Silt Loam										
	48-52	Bedrock	---	---	0	0	---	---	---	---	---	---
Cp:												
Culpeper	0-8	Clay Loam	ML	A-4	0	0-5	90-100	80-100	72-100	56-80	16-30	2-10
	8-30	Clay Loam	CH	A-7	0	0-5	95-100	80-100	72-100	56-95	38-56	14-24
		Clay	CL									
			MH									
			ML									
	30-37	Clay Loam	SC	A-2	0	0-5	90-100	80-100	64-100	28-80	34-43	12-17
		Sandy Clay Loam		A-6								
				A-7								
	37-45	Fine Sandy Loam	SC-SM	A-1	0	0-15	75-100	50-100	35-85	20-55	16-25	2-7
		Gravelly Fine Sandy Loam	SM	A-2								
				A-4								
	45-49	Bedrock	---	---	---	---	---	---	---	---	---	NP
Cr:												

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Cr:												
Culpeper	0-8	Clay Loam	ML	A-4	0	0-5	90-100	80-100	72-100	56-80	16-30	2-10
	8-30	Clay Loam	CH	A-7	0	0-5	95-100	80-100	72-100	56-95	38-56	14-24
		Clay	CL									
			MH									
			ML									
	30-37	Clay Loam	SC	A-2	0	0-5	90-100	80-100	64-100	28-80	34-43	12-17
		Sandy Clay Loam		A-6								
				A-7								
	37-45	Gravelly Fine Sandy Loam	SC-SM	A-1	0	0-15	75-100	50-100	35-85	20-55	16-25	2-7
		Fine Sandy Loam	SM	A-2								
				A-4								
	45-49	Bedrock	---	---	---	---	---	---	---	---	---	NP
Cs:												
Culpeper	0-8	Clay Loam	ML	A-4	0	0-5	90-100	80-100	72-100	56-80	16-30	2-10
	8-30	Clay Loam	CH	A-7	0	0-5	95-100	80-100	72-100	56-95	38-56	14-24
		Clay	CL									
			MH									
			ML									
	30-37	Sandy Clay Loam	SC	A-2	0	0-5	90-100	80-100	64-100	28-80	34-43	12-17
		Clay Loam		A-6								
				A-7								
	37-45	Gravelly Fine Sandy Loam	SC-SM	A-1	0	0-15	75-100	50-100	35-85	20-55	16-25	2-7
		Fine Sandy Loam	SM	A-2								
				A-4								
	45-49	Bedrock	---	---	---	---	---	---	---	---	---	NP
Ct:												

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Ct:												
Culpeper	0-8	Loam	CL-ML SC-SM	A-4	0	0-5	90-100	80-100	75-95	60-75	22-39	6-17
	8-30	Clay Loam Clay	CH CL MH ML	A-7	0	0-5	95-100	80-100	72-100	56-95	38-56	14-24
	30-37	Clay Loam Sandy Clay Loam	SC	A-2 A-6 A-7	0	0-5	90-100	80-100	64-100	28-80	34-43	12-17
	37-45	Gravelly Fine Sandy Loam Fine Sandy Loam	SC-SM SM	A-1 A-2 A-4	0	0-15	75-100	50-100	35-85	20-55	16-25	2-7
	45-49	Bedrock	---	---	---	---	---	---	---	---	---	NP
Cu:												
Culpeper	0-8	Loam	CL-ML SC-SM	A-4	0	0-5	90-100	80-100	75-95	60-75	22-39	6-17
	8-30	Clay Clay Loam	CH CL MH ML	A-7	0	0-5	95-100	80-100	72-100	56-95	38-56	14-24
	30-37	Clay Loam Sandy Clay Loam	SC	A-2 A-6 A-7	0	0-5	90-100	80-100	64-100	28-80	34-43	12-17
	37-45	Gravelly Fine Sandy Loam Fine Sandy Loam	SC-SM SM	A-1 A-2 A-4	0	0-15	75-100	50-100	35-85	20-55	16-25	2-7
	45-49	Bedrock	---	---	---	---	---	---	---	---	---	NP
Cv:												

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Cv:												
Culpeper	0-8	Loam	CL-ML SC-SM	A-4	0	0-5	90-100	80-100	75-95	60-75	22-39	6-17
	8-30	Clay Clay Loam	CH CL MH ML	A-7	0	0-5	95-100	80-100	72-100	56-95	38-56	14-24
	30-37	Clay Loam Sandy Clay Loam	SC	A-2 A-6 A-7	0	0-5	90-100	80-100	64-100	28-80	34-43	12-17
	37-45	Gravelly Fine Sandy Loam Fine Sandy Loam	SC-SM SM	A-1 A-2 A-4	0	0-15	75-100	50-100	35-85	20-55	16-25	2-7
	45-49	Bedrock	---	---	---	---	---	---	---	---	---	NP
Cw:												
Culpeper	0-8	Loam	CL-ML SC-SM	A-4	0	0-5	90-100	80-100	75-95	60-75	22-39	6-17
	8-30	Clay Loam Clay	CH CL MH ML	A-7	0	0-5	95-100	80-100	72-100	56-95	38-56	14-24
	30-37	Clay Loam Sandy Clay Loam	SC	A-2 A-6 A-7	0	0-5	90-100	80-100	64-100	28-80	34-43	12-17
	37-45	Gravelly Fine Sandy Loam Fine Sandy Loam	SC-SM SM	A-1 A-2 A-4	0	0-15	75-100	50-100	35-85	20-55	16-25	2-7
	45-49	Bedrock	---	---	---	---	---	---	---	---	---	NP
Cx:												

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Cx:												
Culpeper	0-8	Loam	CL-ML SC-SM	A-4	0	0-5	90-100	80-100	75-95	60-75	22-39	6-17
	8-30	Clay Loam Clay	CH CL MH ML	A-7	0	0-5	95-100	80-100	72-100	56-95	38-56	14-24
	30-37	Clay Loam Sandy Clay Loam	SC	A-2 A-6 A-7	0	0-5	90-100	80-100	64-100	28-80	34-43	12-17
	37-45	Gravelly Fine Sandy Loam Fine Sandy Loam	SC-SM SM	A-1 A-2 A-4	0	0-15	75-100	50-100	35-85	20-55	16-25	2-7
	45-49	Bedrock	---	---	---	---	---	---	---	---	---	NP
Da:												
Davidson	0-10	Clay	CH	A-7	0	0	90-100	85-100	80-100	75-95	47-69	28-43
	10-63	Clay	CH CL	A-7	0	0	96-100	90-100	81-100	68-95	48-80	25-50
	63-88	Sandy Clay Loam Clay Loam Clay	CH CL SC	A-6 A-7	0	0	95-100	85-100	68-100	30-95	34-66	14-39
Db:												
Davidson	0-10	Clay	CH	A-7	0	0	90-100	85-100	80-100	75-95	47-69	28-43
	10-63	Clay	CH CL	A-7	0	0	96-100	90-100	81-100	68-95	48-80	25-50
	63-88	Clay Loam Clay Sandy Clay Loam	CH CL SC	A-6 A-7	0	0	95-100	85-100	68-100	30-95	34-66	14-39
Dc:												

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Dc:												
Davidson	0-4	Clay Loam	CL SC-SM	A-6	0	0	94-100	80-100	72-100	56-80	30-44	11-22
	4-10	Clay Loam	CL	A-6 A-7	0	0	96-100	90-100	81-100	63-80	36-58	16-25
	10-63	Clay	CH CL	A-7	0	0	96-100	90-100	81-100	68-95	48-80	25-50
	63-88	Sandy Clay Loam Clay Loam Clay	CH CL SC	A-6 A-7	0	0	95-100	85-100	68-100	30-95	34-66	14-39
Dd:												
Davidson	0-4	Clay Loam	CL SC-SM	A-6	0	0	94-100	80-100	72-100	56-80	30-44	11-22
	4-10	Clay Loam	CL	A-6 A-7	0	0	96-100	90-100	81-100	63-80	36-58	16-25
	10-63	Clay	CH CL	A-7	0	0	96-100	90-100	81-100	68-95	48-80	25-50
	63-88	Clay Loam Sandy Clay Loam Clay	CH CL SC	A-6 A-7	0	0	95-100	85-100	68-100	30-95	34-66	14-39
De:												
Davidson	0-4	Clay Loam	CL SC-SM	A-6	0	0	94-100	80-100	72-100	56-80	30-44	11-22
	4-10	Clay Loam	CL	A-6 A-7	0	0	96-100	90-100	81-100	63-80	36-58	16-25
	10-63	Clay	CH CL	A-7	0	0	96-100	90-100	81-100	68-95	48-80	25-50
	63-88	Sandy Clay Loam Clay Loam Clay	CH CL SC	A-6 A-7	0	0	95-100	85-100	68-100	30-95	34-66	14-39
Df:												

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Df:												
Davidson	0-4	Clay Loam	CL	A-6	0	0	94-100	80-100	72-100	56-80	30-44	11-22
			SC-SM									
	4-10	Clay Loam	CL	A-6	0	0	96-100	90-100	81-100	63-80	36-58	16-25
				A-7								
	10-63	Clay	CH	A-7	0	0	96-100	90-100	81-100	68-95	48-80	25-50
			CL									
	63-88	Clay	CH	A-6	0	0	95-100	85-100	68-100	30-95	34-66	14-39
		Sandy Clay Loam	CL	A-7								
		Clay Loam	SC									
Ea:												
Elbert	0-11	Silt Loam	CL	A-6	0	0	95-100	90-100	81-100	63-90	27-43	9-18
	11-31	Clay	CH	A-7	0	0	95-100	90-100	81-100	68-95	49-69	29-44
	31-56	Silty Clay Loam	CH	A-7	0	0	95-100	90-100	86-100	76-95	32-61	14-37
		Clay	CL									
		Clay Loam										
		Sandy Clay										
	56-80	Sandy Clay Loam	CL	A-6	0	0	60-100	55-100	52-95	47-85	20-44	6-25
		Gravelly Sandy Loam	SC									
		Sandy Loam										
		Gravelly Silty Clay Loam										
	80-84	Bedrock	---	---	0	0	---	---	---	---	---	---
Eb:												
Elioak	0-8	Loam	ML	A-4	0	0-10	85-100	80-100	68-95	48-75	16-25	NP-3
			SM									
	8-39	Silty Clay	ML	A-4	0	0-5	85-100	80-100	72-100	56-95	27-49	4-12
		Clay Loam		A-6								
		Silty Clay Loam		A-7								
	39-72	Gravelly Fine Sandy Loam	GM	A-1-b	0	0-5	65-100	50-100	35-100	20-90	16-25	NP-3
		Loam	ML	A-2								
		Silt Loam	SM	A-4								

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Ec:												
Elioak	0-8	Loam	ML	A-4	0	0-10	85-100	80-100	68-95	48-75	16-25	NP-3
			SM									
	8-39	Silty Clay	ML	A-4	0	0-5	85-100	80-100	72-100	56-95	27-49	4-12
		Clay Loam		A-6								
		Silty Clay Loam		A-7								
	39-72	Gravelly Fine Sandy Loam	GM	A-1-b	0	0-5	65-100	50-100	35-100	20-90	16-25	NP-3
		Loam	ML	A-2								
		Silt Loam	SM	A-4								
Fa:												
Fauquier	0-6	Silt Loam	CL	A-4	0	0	80-100	80-100	72-100	56-90	22-39	4-18
			CL-ML	A-6								
	6-34	Clay	CH	A-6	0	0-5	80-100	80-100	72-95	60-95	33-66	22-39
		Silty Clay	CL	A-7								
		Silty Clay Loam										
	34-60	Bedrock	---	---	---	---	---	---	---	---	---	---
Fb:												
Fauquier	0-6	Silt Loam	CL	A-4	0	0	80-100	80-100	72-100	56-90	22-39	4-18
			CL-ML	A-6								
	6-34	Silty Clay	CH	A-6	0	0-5	80-100	80-100	72-95	60-95	33-66	22-39
		Clay	CL	A-7								
		Silty Clay Loam										
	34-60	Bedrock	---	---	---	---	---	---	---	---	---	---
Fc:												
Fauquier	0-6	Silt Loam	CL	A-4	0	0	80-100	80-100	72-100	56-90	22-39	4-18
			CL-ML	A-6								
	6-34	Silty Clay	CH	A-6	0	0-5	80-100	80-100	72-95	60-95	33-66	22-39
		Clay	CL	A-7								
		Silty Clay Loam										
	34-60	Bedrock	---	---	---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Fc:												
Fd:												
Fauquier	0-6	Silty Clay Loam	CL	A-4	0	0	80-100	80-100	76-100	68-95	22-39	4-18
			CL-ML	A-6								
				A-6								
	6-34	Clay	CH	A-6	0	0-5	80-100	80-100	72-95	60-95	33-66	22-39
		Silty Clay	CL	A-7								
		Silty Clay Loam		A-7								
	34-60	Bedrock	---	---	---	---	---	---	---	---	---	---
Fe:												
Fauquier	0-6	Silty Clay Loam	CL	A-4	0	0	80-100	80-100	76-100	68-95	22-39	4-18
			CL-ML	A-6								
				A-6								
	6-34	Silty Clay	CH	A-6	0	0-5	80-100	80-100	72-95	60-95	33-66	22-39
		Clay	CL	A-7								
		Silty Clay Loam		A-7								
	34-60	Bedrock	---	---	---	---	---	---	---	---	---	---
Ha:												
Halewood	0-7	Loam	CL	A-4	0	0-10	90-100	85-100	72-95	51-75	22-39	6-15
				A-6								
	7-30	Silty Clay Loam	CL	A-6	0	0-10	90-100	85-100	76-100	60-80	35-44	18-25
		Clay Loam		A-7								
		Silt Loam										
	30-65	Silt Loam	CL	A-4	0	0-10	90-100	85-100	72-95	64-75	20-35	6-16
		Loam		A-6								
		Sandy Loam										
Hb:												

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Hb:												
Halewood	0-7	Loam	CL	A-4	0	0-10	90-100	85-100	72-95	51-75	22-39	6-15
				A-6								
	7-30	Silt Loam	CL	A-6	0	0-10	90-100	85-100	76-100	60-80	35-44	18-25
		Silty Clay Loam		A-7								
		Clay Loam										
	30-65	Loam	CL	A-4	0	0-10	90-100	85-100	72-95	64-75	20-35	6-16
		Silt Loam		A-6								
		Sandy Loam										
Hc:												
Halewood	0-7	Loam	CL	A-4	0	0-10	90-100	85-100	72-95	51-75	22-39	6-15
				A-6								
	7-30	Clay Loam	CL	A-6	0	0-10	90-100	85-100	76-100	60-80	35-44	18-25
		Silt Loam		A-7								
		Silty Clay Loam										
	30-65	Silt Loam	CL	A-4	0	0-10	90-100	85-100	72-95	64-75	20-35	6-16
		Loam		A-6								
		Sandy Loam										
Hd:												
Hayesville	0-5	Loam	ML	A-4	0	0-5	90-100	85-95	72-90	51-71	13-24	NP-2
	5-58	Clay	ML	A-4	0	0-5	90-100	85-100	76-100	60-95	27-42	4-9
		Clay Loam										
	58-83	Loam	ML	A-4	0	0-5	90-100	90-100	72-100	32-80	20-34	2-7
		Clay Loam	SM									
		Sandy Clay Loam										
	83-87	Loam	ML	A-4	0	5-15	90-100	90-95	65-90	40-55	25-40	NP-12
		Fine Sandy Loam	SM	A-6								
		Sandy Clay Loam										
He:												

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
He:												
Hayesville	0-7	Loam	ML	A-4	0	0-5	90-100	85-95	72-90	51-71	13-24	NP-2
	7-58	Clay Loam	ML	A-4	0	0-5	90-100	85-100	76-100	60-95	27-42	4-9
		Clay										
	58-83	Loam	ML	A-4	0	0-5	90-100	90-100	72-100	32-80	20-34	2-7
		Clay Loam	SM									
		Sandy Clay Loam										
	83-87	Sandy Clay Loam	ML	A-4	0	5-15	90-100	90-95	65-90	40-55	25-40	NP-12
		Loam	SM	A-6								
		Fine Sandy Loam										
Hf:												
Hayesville	0-7	Loam	ML	A-4	0	0-5	90-100	85-95	72-90	51-71	13-24	NP-2
	7-58	Clay	ML	A-4	0	0-5	90-100	85-100	76-100	60-95	27-42	4-9
		Clay Loam										
	58-83	Clay Loam	ML	A-4	0	0-5	90-100	90-100	72-100	32-80	20-34	2-7
		Sandy Clay Loam	SM									
		Loam										
	83-87	Fine Sandy Loam	ML	A-4	0	5-15	90-100	90-95	65-90	40-55	25-40	NP-12
		Loam	SM	A-6								
		Sandy Clay Loam										
Hg:												
Hazel	0-8	Loam	CL-ML	A-4	0-2	0-5	80-100	75-100	65-85	50-70	17-35	2-13
			ML									
	8-14	Loam	GM	A-4	0-5	0-30	80-100	75-100	64-95	45-75	20-32	NP-8
		Silt Loam	ML									
		Channery Sandy Loam	SM									
		Channery Fine Sandy Loam										
	14-38	Channery Silt Loam	GM	A-4	0-10	10-20	60-95	55-90	38-65	22-45	20-32	NP-8
		Channery Loam	SM									
		Channery Fine Sandy Loam										
	38-42	Bedrock	---	---	---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Hh:												
Hazel	0-8	Loam	CL-ML	A-4	0-2	0-5	80-100	75-100	65-85	50-70	17-35	2-13
			ML									
	8-14	Channery Sandy Loam	GM	A-4	0-5	0-30	80-100	75-100	64-95	45-75	20-32	NP-8
		Channery Fine Sandy Loam	ML									
		Loam	SM									
		Silt Loam										
	14-38	Channery Silt Loam	GM	A-4	0-10	10-20	60-95	55-90	38-65	22-45	20-32	NP-8
		Channery Loam	SM									
		Channery Fine Sandy Loam										
	38-42	Bedrock	---	---	---	---	---	---	---	---	---	---
Hk:												
Helena	0-8	Fine Sandy Loam	ML	A-2	0	0-5	80-100	75-100	52-85	30-55	17-35	2-13
			SC	A-4								
			SC-SM									
			SM									
	8-16	Sandy Clay Loam	CL	A-6	0	0-5	85-100	80-100	76-95	68-90	31-46	13-25
		Clay Loam		A-7								
		Silty Clay Loam										
	16-37	Clay	CH	A-7	0	0-5	60-100	55-100	50-90	45-80	45-69	25-44
		Clay Loam										
		Sandy Clay										
		Gravelly Clay										
	37-58	Loam	CL	A-4	0	0-2	90-100	80-100	50-95	25-75	22-33	6-14
		Sandy Loam										
Hl:												

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Hl:												
Hiwassee	0-7	Loam	CL CL-ML	A-4 A-6 A-7-6	0	0	95-100	90-100	76-95	54-75	21-43	6-21
	7-82	Clay Loam Silty Clay Clay	CH	A-7 A-7-6	0	0	95-100	90-100	81-100	68-95	42-66	24-43
	82-96	Sandy Clay Loam Loam Sandy Loam	CL ML SC-SM SM	A-4 A-6 A-7	0	0-5	80-100	75-100	64-90	45-70	18-44	3-25
Hm:												
Hiwassee	0-7	Loam	CL CL-ML	A-4 A-6 A-7-6	0	0	95-100	90-100	76-95	54-75	21-43	6-21
	7-82	Silty Clay Clay Clay Loam	CH	A-7 A-7-6	0	0	95-100	90-100	81-100	68-95	42-66	24-43
	82-96	Sandy Clay Loam Loam Sandy Loam	CL ML SC-SM SM	A-4 A-6 A-7	0	0-5	80-100	75-100	64-90	45-70	18-44	3-25
Hn:												

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Hn:												
Hiwassee	0-7	Loam	CL CL-ML	A-4 A-6 A-7-6	0	0	95-100	90-100	76-95	54-75	21-43	6-21
	7-82	Clay Loam Silty Clay Clay	CH	A-7 A-7-6	0	0	95-100	90-100	81-100	68-95	42-66	24-43
	82-96	Loam Sandy Loam Sandy Clay Loam	CL ML SC-SM SM	A-4 A-6 A-7	0	0-5	80-100	75-100	64-90	45-70	18-44	3-25
Ho:												
Hiwassee	0-9	Loam	CL CL-ML	A-4 A-6 A-7-6	0	0	95-100	90-100	76-95	54-75	21-43	6-21
	9-82	Clay Loam Silty Clay Clay	CH	A-7 A-7-6	0	0	95-100	90-100	81-100	68-95	42-66	24-43
	82-96	Sandy Clay Loam Loam Sandy Loam	CL ML SC-SM SM	A-4 A-6 A-7	0	0-5	80-100	75-100	64-90	45-70	18-44	3-25
Hp:												

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Hp:												
Hiwassee	0-9	Loam	CL CL-ML	A-4 A-6 A-7-6	0	0	95-100	90-100	76-95	54-75	21-43	6-21
	9-82	Clay Loam Silty Clay Clay	CH	A-7 A-7-6	0	0	95-100	90-100	81-100	68-95	42-66	24-43
	82-96	Sandy Loam Sandy Clay Loam Loam	CL ML SC-SM SM	A-4 A-6 A-7	0	0-5	80-100	75-100	64-90	45-70	18-44	3-25
Ia:												
Iredell	0-7	Silt Loam	CL	A-4 A-6	0	0	95-100	90-100	81-100	63-90	26-47	9-24
	7-32	Clay	CH	A-7	0	0	75-100	70-100	63-90	52-80	51-79	29-46
	32-66	Sandy Clay Loam Loam Clay Loam	CL	A-7	0-1	0-1	90-100	85-100	72-95	51-75	28-48	10-25
	66-70	Bedrock	---	---	0	0	---	---	---	---	---	---
Ib:												
Iredell	0-7	Silt Loam	CL	A-4 A-6	0	0	95-100	90-100	81-100	63-90	26-47	9-24
	7-32	Clay	CH	A-7	0	0	75-100	70-100	63-90	52-80	51-79	29-46
	32-66	Clay Loam Sandy Clay Loam Loam	CL	A-7	0-1	0-1	90-100	85-100	72-95	51-75	28-48	10-25
	66-70	Bedrock	---	---	0	0	---	---	---	---	---	---
Ic:												

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Ic:												
Iredell	0-7	Silt Loam	CL	A-4 A-6	0	0	95-100	90-100	81-100	63-90	26-47	9-24
	7-32	Clay	CH	A-7	0	0	75-100	70-100	63-90	52-80	51-79	29-46
	32-66	Sandy Clay Loam Loam Clay Loam	CL	A-7	0-1	0-1	90-100	85-100	72-95	51-75	28-48	10-25
	66-70	Bedrock	---	---	0	0	---	---	---	---	---	---
Id:												
Iredell	0-7	Silt Loam	CL	A-4 A-6	0	0	95-100	90-100	81-100	63-90	26-47	9-24
	7-32	Clay	CH	A-7	0	0	75-100	70-100	63-90	52-80	51-79	29-46
	32-66	Clay Loam Sandy Clay Loam Loam	CL	A-7	0-1	0-1	90-100	85-100	72-95	51-75	28-48	10-25
	66-70	Bedrock	---	---	0	0	---	---	---	---	---	---
Ie:												
Iredell	0-7	Silt Loam	CL	A-4 A-6	0	0	95-100	90-100	81-100	63-90	26-47	9-24
	7-32	Clay	CH	A-7	0	0	75-100	70-100	63-90	52-80	51-79	29-46
	32-66	Loam Clay Loam Sandy Clay Loam	CL	A-7	0-1	0-1	90-100	85-100	72-95	51-75	28-48	10-25
	66-70	Bedrock	---	---	0	0	---	---	---	---	---	---
Ka:												

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Ka:												
Kelly	0-9	Loam	CL	A-4	0	0	90-100	80-100	70-100	50-90	26-42	9-22
		Silt Loam		A-6								
	9-38	Silty Clay Loam	CH	A-7-6	0	0	90-100	80-100	72-100	56-95	50-76	28-49
		Silty Clay										
		Clay Loam										
		Clay										
	38-41	Clay	CH	A-6	0	0-8	75-98	50-95	40-95	20-90	36-66	17-41
		Gravelly Silty Clay	CL	A-7-6								
		Sandy Clay Loam										
		Silt Loam										
		Silty Clay										
	41-45	Bedrock	---	---	---	---	---	---	---	---	---	---
	45-49	Bedrock	---	---	---	---	---	---	---	---	---	---
La:												
Lansdale	0-14	Loam	CL-ML	A-2	0	0-2	70-100	65-95	55-90	30-70	20-35	2-10
			ML	A-4								
			SC-SM									
			SM									
	14-30	Sandy Loam	SC	A-2	0	0-10	80-100	75-95	45-65	25-35	21-37	6-17
		Channery Sandy Loam	SC-SM									
		Sandy Clay Loam										
	30-45	Very Channery Sandy Loam	SC	A-1	0	0-20	65-90	60-85	36-55	18-30	20-30	6-12
		Channery Sandy Loam	SC-SM	A-2								
	45-49	Bedrock	---	---	---	---	---	---	---	---	---	---
Lb:												

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Lb:												
Lansdale	0-14	Loam	CL-ML	A-2	0	0-2	70-100	65-95	55-90	30-70	20-35	2-10
			ML	A-4								
			SC-SM									
			SM									
	14-30	Channery Sandy Loam	SC	A-2	0	0-10	80-100	75-95	45-65	25-35	21-37	6-17
		Sandy Clay Loam	SC-SM									
		Sandy Loam										
	30-45	Very Channery Sandy Loam	SC	A-1	0	0-20	65-90	60-85	36-55	18-30	20-30	6-12
		Channery Sandy Loam	SC-SM	A-2								
	45-49	Bedrock	---	---	---	---	---	---	---	---	---	---
Lc:												
Lignum	0-4	Silt Loam	CL	A-4	0	0	75-100	70-100	63-100	49-90	21-39	6-17
			CL-ML	A-6								
	4-14	Silty Clay Loam	CH	A-7	0	0-5	85-100	80-100	76-95	68-85	35-55	17-32
		Clay	CL									
		Silty Clay										
	14-37	Sandy Clay Loam	CL	A-6	0	0-5	85-100	80-100	76-95	68-90	29-49	13-28
		Silty Clay Loam		A-7								
		Gravelly Sandy Clay Loam										
	37-51	Gravelly Sandy Clay Loam	CL	A-6	0	0	75-100	70-100	56-80	24-55	26-46	10-25
		Silty Clay Loam	SC	A-7								
	51-87	Bedrock	---	---	---	---	---	---	---	---	---	---
	87-91	Bedrock	---	---	---	---	---	---	---	---	---	---
Ld:												

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Ld:												
Lloyd	0-9	Clay Loam	CL	A-6	0	0	85-100	80-100	75-100	60-80	38-53	19-29
				A-7								
	9-40	Clay Loam	CH	A-7	0	0	85-100	80-100	72-90	60-90	44-77	25-51
		Clay										
	40-49	Clay Loam	CH	A-6	0	0	85-100	80-100	72-95	56-75	40-59	21-36
		Silty Clay Loam	CL	A-7								
		Clay										
	49-88	Silt Loam	CL	A-6	0	0	75-100	70-100	60-90	42-70	31-50	13-29
		Loam		A-7								
		Clay Loam										
Le:												
Lloyd	0-9	Clay Loam	CL	A-6	0	0	85-100	80-100	75-100	60-80	38-53	19-29
				A-7								
	9-40	Clay	CH	A-7	0	0	85-100	80-100	72-90	60-90	44-77	25-51
		Clay Loam										
	40-49	Clay Loam	CH	A-6	0	0	85-100	80-100	72-95	56-75	40-59	21-36
		Clay	CL	A-7								
		Silty Clay Loam										
	49-88	Silt Loam	CL	A-6	0	0	75-100	70-100	60-90	42-70	31-50	13-29
		Loam		A-7								
		Clay Loam										
Lf:												

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Lf:												
Lloyd	0-9	Loam	CL	A-4 A-6	0	0	80-100	75-100	64-95	45-75	27-41	9-19
	9-40	Clay Loam Clay	CH	A-7	0	0	85-100	80-100	72-90	60-90	44-77	25-51
	40-49	Silty Clay Loam Clay Loam Clay	CH CL	A-6 A-7	0	0	85-100	80-100	72-95	56-75	40-59	21-36
	49-88	Clay Loam Loam Silt Loam	CL	A-6 A-7	0	0	75-100	70-100	60-90	42-70	31-50	13-29
Lg:												
Lloyd	0-9	Loam	CL	A-4 A-6	0	0	80-100	75-100	64-95	45-75	27-41	9-19
	9-40	Clay Loam Clay	CH	A-7	0	0	85-100	80-100	72-90	60-90	44-77	25-51
	40-49	Clay Loam Silty Clay Loam Clay	CH CL	A-6 A-7	0	0	85-100	80-100	72-95	56-75	40-59	21-36
	49-88	Silt Loam Loam Clay Loam	CL	A-6 A-7	0	0	75-100	70-100	60-90	42-70	31-50	13-29
Lh:												
Louisburg	0-12	Fine Sandy Loam	SC-SM SM	A-4	0	0-15	80-100	75-100	55-85	35-55	17-31	2-10
	12-22	Sandy Loam	SC-SM SM	A-2 A-4	0	0-15	80-100	75-100	45-70	22-40	18-30	3-12
	22-29	Coarse Sandy Loam	SC-SM	A-2 A-4	0	0-5	80-100	75-100	52-70	30-40	18-27	3-10
	29-34	Bedrock	---	---	---	---	---	---	---	---	---	---
Lk:												

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Lk:												
Louisburg	0-12	Fine Sandy Loam	SC-SM	A-4	0	0-15	80-100	75-100	55-85	35-55	17-31	2-10
			SM									
	12-22	Sandy Loam	SC-SM	A-2	0	0-15	80-100	75-100	45-70	22-40	18-30	3-12
			SM	A-4								
	22-29	Coarse Sandy Loam	SC-SM	A-2	0	0-5	80-100	75-100	52-70	30-40	18-27	3-10
				A-4								
	29-34	Bedrock	---	---	---	---	---	---	---	---	---	---
Ma:												
Manor	0-7	Silt Loam	CL	A-4	0	0	90-100	85-100	76-100	60-75	22-41	6-17
				A-6								
	7-19	Channery Loam	CL	A-4	0	0-10	95-100	90-100	76-95	54-75	20-36	6-17
		Silt Loam		A-6								
		Loam										
	19-52	Channery Sandy Loam	SC-SM	A-1	0	0-5	65-100	60-100	42-70	24-40	16-32	2-13
		Sandy Loam	SM	A-2								
		Loam		A-4								
		Channery Fine Sandy Loam		A-6								
Mb:												
Manor	0-7	Silt Loam	CL	A-4	0	0	90-100	85-100	76-100	60-75	22-41	6-17
				A-6								
	7-19	Channery Loam	CL	A-4	0	0-10	95-100	90-100	76-95	54-75	20-36	6-17
		Loam		A-6								
		Silt Loam										
	19-52	Channery Sandy Loam	SC-SM	A-1	0	0-5	65-100	60-100	42-70	24-40	16-32	2-13
		Channery Fine Sandy Loam	SM	A-2								
		Loam		A-4								
		Sandy Loam		A-6								
Mc:												

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Mc:												
Manor	0-9	Silt Loam	CL	A-4	0	0	90-100	85-100	76-100	60-75	22-41	6-17
				A-6								
	9-19	Channery Loam	CL	A-4	0	0-10	95-100	90-100	76-95	54-75	20-36	6-17
		Silt Loam		A-6								
		Loam										
	19-52	Channery Fine Sandy Loam	SC-SM	A-1	0	0-5	65-100	60-100	42-70	24-40	16-32	2-13
		Loam	SM	A-2								
		Channery Sandy Loam		A-4								
		Sandy Loam		A-6								
Md:												
Manteo	0-6	Channery Silt Loam	CL	A-4	0-5	0-15	60-80	50-75	45-75	35-68	13-31	NP-10
			CL-ML									
			GC									
			GM									
			ML									
	6-18	Channery Silt Loam	CL	A-1	0-5	0-35	40-90	30-75	27-75	21-68	16-38	2-14
		Very Channery Silt Loam	GC	A-2								
		Channery Clay Loam	GM	A-4								
			ML	A-6								
	18-22	Bedrock	---	---	---	---	---	---	---	---	---	---
Me:												
Manteo	0-6	Channery Silt Loam	CL	A-4	0-5	0-15	60-80	50-75	45-75	35-68	13-31	NP-10
			CL-ML									
			GC									
			GM									
			ML									
	6-18	Channery Clay Loam	CL	A-1	0-5	0-35	40-90	30-75	27-75	21-68	16-38	2-14
		Channery Silt Loam	GC	A-2								
		Very Channery Silt Loam	GM	A-4								
			ML	A-6								
	18-22	Bedrock	---	---	---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Me:												
Mf:												
Masada	0-7	Loam	CL	A-4	0	0-5	90-100	80-100	68-95	48-75	16-31	2-10
			CL-ML									
			ML									
			SC									
			SM									
	7-33	Clay	CH	A-6	0	0-10	80-100	60-100	54-100	42-95	31-56	10-24
		Gravelly Clay	CL	A-7								
		Clay Loam	ML									
	33-62	Clay Loam	CL	A-6	0	0-10	80-100	70-100	56-100	24-80	30-43	10-17
		Gravelly Sandy Clay Loam		A-7								
		Loam										
Mg:												
Masada	0-7	Loam	CL	A-4	0	0-5	90-100	80-100	68-95	48-75	16-31	2-10
			CL-ML									
			ML									
			SC									
			SM									
	7-33	Gravelly Clay	CH	A-6	0	0-10	80-100	60-100	54-100	42-95	31-56	10-24
		Clay	CL	A-7								
		Clay Loam	ML									
	33-62	Gravelly Sandy Clay Loam	CL	A-6	0	0-10	80-100	70-100	56-100	24-80	30-43	10-17
		Clay Loam		A-7								
		Loam										
Mh:												

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Mh:												
Mecklenburg	0-8	Silt Loam	CL	A-4	0	0-5	80-100	75-100	52-95	52-90	20-39	4-17
			CL-ML	A-6								
	8-33	Clay	CH	A-7	0	0-5	90-100	90-100	81-100	68-95	48-68	28-44
	33-37	Clay Loam	CL	A-6	0	0-5	95-100	90-100	72-90	32-55	29-44	13-25
		Sandy Clay Loam	SC	A-7								
		Loam										
	37-63	Sandy Clay Loam	SC	A-4	0	0-5	95-100	90-100	55-90	25-55	20-39	6-21
		Sandy Loam		A-6								
Mk:												
Mixed alluvium	---				---	---	---	---	---	---	---	---
Na:												
Nason	0-8	Silt Loam	CL	A-4	0	0-5	80-100	80-100	72-100	56-90	16-31	2-10
			CL-ML									
			ML									
	8-39	Clay	CH	A-7	0	0-5	80-100	80-100	76-100	68-95	38-52	14-22
		Silty Clay	CL									
		Silty Clay Loam	ML									
	39-50	Loam	CL	A-4	0	0-5	55-85	55-85	50-85	38-76	16-30	2-10
		Silt Loam	CL-ML									
		Channery Silt Loam	GC-GM									
			SC									
	50-54	Bedrock	---	---	---	---	---	---	---	---	---	NP
Nb:												

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Nb:												
Nason	0-8	Silt Loam	CL CL-ML ML	A-4	0	0-5	80-100	80-100	72-100	56-90	16-31	2-10
	8-39	Silty Clay Clay Silty Clay Loam	CH CL ML	A-7	0	0-5	80-100	80-100	76-100	68-95	38-52	14-22
	39-50	Loam Channery Silt Loam Silt Loam	CL CL-ML GC-GM SC	A-4	0	0-5	55-85	55-85	50-85	38-76	16-30	2-10
	50-54	Bedrock	---	---	---	---	---	---	---	---	---	NP
Nc:												
Nason	0-8	Silt Loam	CL CL-ML ML	A-4	0	0-5	80-100	80-100	72-100	56-90	16-31	2-10
	8-39	Clay Silty Clay Silty Clay Loam	CH CL ML	A-7	0	0-5	80-100	80-100	76-100	68-95	38-52	14-22
	39-50	Loam Silt Loam Channery Silt Loam	CL CL-ML GC-GM SC	A-4	0	0-5	55-85	55-85	50-85	38-76	16-30	2-10
	50-54	Bedrock	---	---	---	---	---	---	---	---	---	NP
Pa:												

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Pa:												
Penn	0-7	Silt Loam	CL	A-4	0	0-5	95-100	80-95	72-95	56-85	21-30	4-11
	7-21	Channery Silt Loam	CL	A-2	0	0-10	55-75	55-75	42-75	30-68	28-41	10-19
		Channery Silty Clay Loam	SC	A-6								
		Channery Loam										
	21-29	Extremely Channery Silt Loam	CL	A-2	0	0-15	25-60	20-55	18-55	14-50	28-34	10-14
		Very Channery Loam	GC									
		Very Channery Silt Loam	SC									
	29-33	Bedrock	---	---	---	---	---	---	---	---	---	NP
Pb:												
Penn	0-7	Silt Loam	CL	A-4	0	0-5	95-100	80-95	72-95	56-85	21-30	4-11
	7-21	Channery Loam	CL	A-2	0	0-10	55-75	55-75	42-75	30-68	28-41	10-19
		Channery Silty Clay Loam	SC	A-6								
		Channery Silt Loam										
	21-29	Extremely Channery Silt Loam	CL	A-2	0	0-15	25-60	20-55	18-55	14-50	28-34	10-14
		Very Channery Loam	GC									
		Very Channery Silt Loam	SC									
	29-33	Bedrock	---	---	---	---	---	---	---	---	---	NP
Pc:												
Penn	0-7	Silt Loam	CL	A-4	0	0-5	95-100	80-95	72-95	56-85	21-30	4-11
	7-21	Channery Silty Clay Loam	CL	A-2	0	0-10	55-75	55-75	42-75	30-68	28-41	10-19
		Channery Loam	SC	A-6								
		Channery Silt Loam										
	21-29	Very Channery Loam	CL	A-2	0	0-15	25-60	20-55	18-55	14-50	28-34	10-14
		Very Channery Silt Loam	GC									
		Extremely Channery Silt Loam	SC									
	29-33	Bedrock	---	---	---	---	---	---	---	---	---	NP
Ra:												

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Ra:												
Rapidan	0-6	Silty Clay Loam	CL	A-6	0	0-5	85-100	85-100	81-100	72-95	21-38	10-14
	6-54	Clay	CH	A-7	0	0-5	80-100	80-100	68-100	52-95	38-66	14-30
		Silty Clay Loam	CL									
		Silty Clay	MH									
		Clay Loam										
	54-70	Gravelly Silty Clay Loam	CL	A-2	0	0-10	40-100	35-100	30-100	21-95	25-43	7-17
		Loam	GC	A-4								
		Very Gravelly Clay Loam		A-6								
		Very Gravelly Silty Clay Loam										
Rb:												
Rapidan	0-6	Silty Clay Loam	CL	A-6	0	0-5	85-100	85-100	81-100	72-95	21-38	10-14
	6-54	Silty Clay Loam	CH	A-7	0	0-5	80-100	80-100	68-100	52-95	38-66	14-30
		Clay Loam	CL									
		Clay	MH									
		Silty Clay										
	54-70	Very Gravelly Clay Loam	CL	A-2	0	0-10	40-100	35-100	30-100	21-95	25-43	7-17
		Loam	GC	A-4								
		Very Gravelly Silty Clay Loam		A-6								
		Gravelly Silty Clay Loam										
Rc:												

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Rc:												
Rapidan	0-6	Silty Clay Loam	CL	A-6	0	0-5	85-100	85-100	81-100	72-95	21-38	10-14
	6-54	Clay Loam	CH	A-7	0	0-5	80-100	80-100	68-100	52-95	38-66	14-30
		Silty Clay	CL									
		Clay	MH									
		Silty Clay Loam										
	54-70	Gravelly Silty Clay Loam	CL	A-2	0	0-10	40-100	35-100	30-100	21-95	25-43	7-17
		Very Gravelly Silty Clay Loam	GC	A-4								
				A-6								
		Loam										
		Very Gravelly Clay Loam										
Rd:												
Roanoke	0-9	Silt Loam	CL	A-4	0	0	95-100	90-100	81-100	63-90	21-41	6-19
			CL-ML	A-6								
			SC-SM									
	9-15	Clay Loam	CL	A-6	0	0	95-100	90-100	86-100	76-95	31-47	13-25
		Silty Clay Loam		A-7								
	15-46	Clay Loam	CH	A-7	0	0	90-100	90-100	81-100	68-95	43-67	25-44
		Silty Clay	CL									
		Clay										
	46-62	Stratified Gravelly Sand To Gravelly Clay	SC	A-1	0	0	60-85	50-75	25-75	2-70	0-54	NP-32
				A-2								
				A-4								
Re:												
Rough gullied land	---				---	---	---	---	---	---	---	---
Sa:												

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Sa:												
Seneca	0-14	Fine Sandy Loam	SC	A-2	0	0	85-100	80-100	56-85	32-55	18-33	2-12
			SC-SM	A-4								
			SM									
	14-36	Sandy Loam	CL	A-2	0	0	75-100	70-100	56-85	24-55	28-45	12-25
		Clay Loam	SC	A-6								
		Sandy Clay Loam										
	36-45	Silty Clay Loam	CH	A-6	0	0-5	75-100	70-95	63-86	49-70	40-55	21-32
		Clay	CL	A-7								
		Gravelly Clay Loam										
	45-49	Gravelly Sandy Loam	SC	A-2	0	0-5	65-100	60-85	36-60	18-34	20-38	6-19
		Loam										
		Silt Loam										
Sb:												
Stanton	0-9	Silt Loam	CL	A-4	0	0-1	90-100	90-100	85-95	75-90	31-49	9-20
				A-6								
	9-18	Channery Silt Loam	CL	A-6	0	0	90-100	85-95	80-90	70-85	32-47	13-25
		Silty Clay Loam										
		Silt Loam										
	18-48	Channery Silt Loam	CL	A-6	0	0	90-100	85-95	80-90	70-85	29-40	13-21
		Silty Clay Loam										
		Silt Loam										
	48-52	Channery Silt Loam	CL	A-6	0	0-10	75-95	65-80	60-75	50-70	29-40	13-21
		Channery Clay Loam										
		Channery Silty Clay Loam										
Sc:												

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Sc:												
Starr	0-18	Silt Loam	CL	A-4	0	0	90-100	90-100	81-100	63-90	20-38	4-14
			CL-ML	A-6								
	18-53	Silt Loam	CL	A-4	0	0	90-100	85-100	76-100	60-95	23-38	6-14
		Clay Loam	CL-ML	A-6								
		Silty Clay Loam										
	53-68	Clay Loam	CL	A-4	0	0-10	75-95	75-95	68-95	52-76	16-38	2-14
		Gravelly Clay Loam	SC-SM	A-6								
Sd:												
State	0-18	Loam	CL	A-4	0	0	95-100	90-100	76-95	54-75	21-41	6-19
				A-6								
	18-61	Sandy Clay Loam	CL	A-6	0	0	95-100	90-100	72-90	32-55	28-45	12-24
		Clay Loam	SC									
		Loam										
	61-65	Gravelly Sand	GP	A-1	0	0	60-85	50-75	25-75	2-70	0-31	NP-13
		Gravelly Silt Loam	SC-SM	A-2								
			SM	A-3								
			SP-SM	A-4								
Se:												
Stony land (acidic rocks)	---				---	---	---	---	---	---	---	---
Sf:												
Stony land (basic rocks)	---				---	---	---	---	---	---	---	---
Ta:												
Tatum	0-6	Silty Clay Loam	CL	A-4	0	0	80-100	70-100	63-100	49-95	23-52	7-28
		Silt Loam	CL-ML	A-6								
	6-42	Silty Clay Loam	CH	A-7	0	0	80-100	70-100	63-100	52-95	43-67	25-44
		Clay										
		Silty Clay										
	42-62	Bedrock	---	---	---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Ta:												
Tb:												
Tatum	0-6	Silt Loam	CL	A-4	0	0	80-100	70-100	63-100	49-95	23-52	7-28
		Silty Clay Loam	CL-ML	A-6								
	6-42	Clay	CH	A-7	0	0	80-100	70-100	63-100	52-95	43-67	25-44
		Silty Clay										
		Silty Clay Loam										
	42-62	Bedrock	---	---	---	---	---	---	---	---	---	---
Tc:												
Tatum	0-6	Silty Clay Loam	CL	A-4	0	0	80-100	70-100	63-100	49-95	23-52	7-28
		Silt Loam	CL-ML	A-6								
	6-42	Clay	CH	A-7	0	0	80-100	70-100	63-100	52-95	43-67	25-44
		Silty Clay										
		Silty Clay Loam										
	42-62	Bedrock	---	---	---	---	---	---	---	---	---	---
Td:												
Tatum	0-6	Silt Loam	CL	A-4	0	0	80-100	70-100	63-100	49-95	23-52	7-28
		Silty Clay Loam	CL-ML	A-6								
				A-7								
	6-42	Clay	CH	A-7	0	0	80-100	70-100	63-100	52-95	43-67	25-44
		Silty Clay										
		Silty Clay Loam										
	42-62	Bedrock	---	---	---	---	---	---	---	---	---	---
Te:												

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Te:												
Tatum	0-6	Silt Loam	CL	A-4	0	0	80-100	70-100	63-100	49-95	23-52	7-28
		Silty Clay Loam	CL-ML	A-6								
				A-7								
	6-42	Silty Clay Loam	CH	A-7	0	0	80-100	70-100	63-100	52-95	43-67	25-44
		Silty Clay										
		Clay										
	42-62	Bedrock	---	---	---	---	---	---	---	---	---	---
Va:												
Very stony land (acidic rock	---				---	---	---	---	---	---	---	---
Vb:												
Very stony land (basic rocks)	---				---	---	---	---	---	---	---	---
Wa:												
Wadesboro	0-6	Silt Loam	CL	A-4	0	0-5	90-100	90-100	85-100	75-90	23-41	7-19
	6-24	Sandy Clay Loam	CL	A-6	0	0-2	95-100	90-100	86-100	76-95	30-50	13-28
		Clay Loam		A-7-6								
		Silty Clay Loam										
	24-48	Silty Clay	CH	A-7	0	0-2	95-100	90-100	80-100	68-95	43-67	25-44
		Sandy Clay	CL									
		Clay										
	48-62	Bedrock	GP	A-1	---	---	---	---	---	---	---	---
Wb:												

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Wb:												
Wadesboro	0-6	Silt Loam	CL	A-4	0	0-5	90-100	90-100	85-100	75-90	23-41	7-19
	6-24	Silty Clay Loam	CL	A-6	0	0-2	95-100	90-100	86-100	76-95	30-50	13-28
		Sandy Clay Loam		A-7-6								
		Clay Loam										
	24-48	Clay	CH	A-7	0	0-2	95-100	90-100	80-100	68-95	43-67	25-44
		Silty Clay	CL									
		Sandy Clay										
	48-62	Bedrock	GP	A-1	---	---	---	---	---	---	---	---
Wc:												
Watt	0-6	Silt Loam	CL	A-4	0	0-5	85-100	75-100	68-90	52-85	21-41	6-19
			CL-ML	A-6								
	6-10	Very Channery Silty Clay Loam	CL	A-6	0	10-20	35-65	30-60	27-55	21-50	28-42	12-22
			GC									
		Very Channery Silt Loam	SC									
			SC-SM									
	10-20	Channery Loam	GC	A-2	0	15-40	45-70	40-65	36-58	28-46	16-38	2-19
		Channery Silt Loam	GC-GM	A-4								
		Very Channery Silt Loam	GM	A-6								
			SC-SM									
	20-24	Bedrock	---	---	---	---	---	---	---	---	---	---
Wd:												

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Wd:												
Watt	0-6	Silt Loam	CL CL-ML	A-4 A-6	0	0-5	85-100	75-100	68-90	52-85	21-41	6-19
	6-10	Very Channery Silty Clay Loam Very Channery Silt Loam	CL GC SC SC-SM	A-6	0	10-20	35-65	30-60	27-55	21-50	28-42	12-22
	10-20	Channery Silt Loam Channery Loam Very Channery Silt Loam	GC GC-GM GM SC-SM	A-2 A-4 A-6	0	15-40	45-70	40-65	36-58	28-46	16-38	2-19
	20-24	Bedrock	---	---	---	---	---	---	---	---	---	---
We:												
Wehadkee	0-11	Silt Loam	CL ML	A-6 A-7	0	0	95-100	90-100	81-100	63-90	21-47	3-18
	11-52	Very Fine Sandy Loam Silty Clay Loam Silt Loam	CL	A-6 A-7	0	0	95-100	90-100	86-100	76-95	29-47	12-24
	52-68	Fine Sandy Loam Sand Clay Loam	SC	A-4	0	0	95-100	90-100	45-100	4-80	0-45	NP-25
Wf:												
Wilkes	0-6	Sandy Loam	SC SM	A-2 A-4	0	0-10	80-100	75-100	48-70	24-40	17-35	2-13
	6-16	Loam Sandy Loam Clay Loam Sandy Clay Loam	SC	A-2 A-6 A-7	0	0-10	65-100	60-100	36-70	18-40	22-50	6-29
	16-26	Bedrock	---	---	---	---	---	---	---	---	---	---
	26-30	Bedrock	---	---	---	---	---	---	---	---	---	---
Wg:												

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Wg:												
Worsham	0-7	Silt Loam	CL	A-4	0	0-5	95-100	90-100	85-95	75-90	22-41	6-17
			CL-ML	A-6								
	7-44	Clay	CH	A-6	0	0-5	95-100	90-100	85-95	65-75	40-64	21-40
		Sandy Clay	CL	A-7								
		Sandy Clay Loam										
		Clay Loam										
	44-76	Sandy Clay Loam	CL	A-6	0	0-5	95-100	90-100	65-75	40-55	22-50	6-29
		Fine Sandy Loam	SC	A-7								
		Clay Loam										
Ya:												
Yadkin	0-6	Loam	CL	A-4	0	0	80-100	75-95	70-85	55-65	19-39	3-17
	6-64	Clay	CH	A-7	0	0-10	75-100	70-100	65-90	60-80	46-70	28-47
		Gravelly Clay										
Za:												
Zion	0-9	Silt Loam	CL	A-4	0	0-5	75-100	70-100	65-95	50-85	21-39	6-17
			CL-ML	A-6								
	9-18	Very Gravelly Silty Clay Loam	GC	A-2	0	0	30-90	25-80	24-80	21-75	30-50	13-28
			SC	A-6								
		Gravelly Loam		A-7								
		Gravelly Clay Loam										
		Very Gravelly Clay Loam										
	18-24	Silty Clay Loam	CH	A-7	0	0	95-100	80-100	75-100	65-95	46-70	25-44
		Silty Clay	CL									
		Clay										
	24-29	Clay	CH	A-7	0	0-20	65-95	60-90	55-85	45-70	45-60	25-37
		Clay Loam	GC									
		Gravelly Clay	SC									
	29-33	Bedrock	---	---	0	0	---	---	---	---	---	---
Zb:												

Table H. - Engineering Index Properties - Continued

Culpeper County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Zb:												
Zion	0-7	Silt Loam	CL CL-ML	A-4 A-6	0	0-5	75-100	70-100	65-95	50-85	21-39	6-17
	7-18	Very Gravelly Silty Clay Loam Gravelly Loam Gravelly Clay Loam Very Gravelly Clay Loam	GC SC	A-2 A-6 A-7	0	0	30-90	25-80	24-80	21-75	30-50	13-28
	18-24	Silty Clay Loam Silty Clay Clay	CH CL	A-7	0	0	95-100	80-100	75-100	65-95	46-70	25-44
	24-29	Clay Loam Gravelly Clay Clay	CH GC SC	A-7	0	0-20	65-95	60-90	55-85	45-70	45-60	25-37
	29-33	Bedrock	---	---	0	0	---	---	---	---	---	---