Table H. - Engineering Index Properties

Fairfax 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:												
Appling	0-9	Gravelly Loam	CL	A-2	0	5-15	70-95	50-85	42-81	30-64	17-43	2-21
			SC	A-4								
			SC-SM	A-6								
			SM									
	9-35	Sandy Clay	CH	A-7	0	0-5	95-100	90-100	81-96	63-95	42-66	24-43
		Clay	CL									
		Clay Loam										
	35-46	Sandy Clay Loam	CL	A-6	0	0-5	95-100	85-100	68-95	30-75	29-57	13-36
		Clay Loam	SC	A-7								
		Sandy Clay										
	46-65	Sandy Clay Loam	CL	A-2-4	0	0	80-100	75-100	45-100	25-80	16-49	2-28
		Sandy Loam	ML	A-4								
		Loam	SC	A-6								
		Clay Loam	SC-SM	A-7-6								
		Fine Sandy Loam	SM									
Worsham	---				---	---	---	---	---	---	---	---
Ab:												

Table H. - Engineering Index Properties - Continued

Fairfax 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	
Ab:												
Appling	0-9	Gravelly Loam	CL	A-2	0	5-15	70-95	50-85	42-81	30-64	17-43	2-21
			SC	A-4								
			SC-SM	A-6								
			SM									
	9-35	Sandy Clay	CH	A-7	0	0-5	95-100	90-100	81-96	63-95	42-66	24-43
		Clay	CL									
		Clay Loam										
	35-46	Clay Loam	CL	A-6	0	0-5	95-100	85-100	68-95	30-75	29-57	13-36
		Sandy Clay	SC	A-7								
		Sandy Clay Loam										
	46-65	Clay Loam	CL	A-2-4	0	0	80-100	75-100	45-100	25-80	16-49	2-28
		Sandy Clay Loam	ML	A-4								
		Loam	SC	A-6								
		Fine Sandy Loam	SC-SM	A-7-6								
		Sandy Loam	SM									
Worsham	---				---	---	---	---	---	---	---	---
Ac:												

Table H. - Engineering Index Properties - Continued

Fairfax 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:												
Appling	0-9	Gravelly Loam	CL	A-2	0	5-15	70-95	50-85	42-81	30-64	17-43	2-21
			SC	A-4								
			SC-SM	A-6								
			SM									
	9-35	Clay	CH	A-7	0	0-5	95-100	90-100	81-96	63-95	42-66	24-43
		Clay Loam	CL									
		Sandy Clay										
	35-46	Sandy Clay	CL	A-6	0	0-5	95-100	85-100	68-95	30-75	29-57	13-36
		Clay Loam	SC	A-7								
		Sandy Clay Loam										
	46-65	Clay Loam	CL	A-2-4	0	0	80-100	75-100	45-100	25-80	16-49	2-28
		Loam	ML	A-4								
		Fine Sandy Loam	SC	A-6								
		Sandy Clay Loam	SC-SM	A-7-6								
		Sandy Loam	SM									
Worsham	---				---	---	---	---	---	---	---	---
Ba:												
Beltsville	0-14	Loam	CL-ML	A-4	0	0	85-100	85-100	72-95	51-75	20-37	3-13
			ML									
	14-25	Silt Loam	CL	A-6	0	0	85-100	85-100	76-100	60-95	29-40	13-21
		Silty Clay Loam										
	25-50	Loam	CL	A-6	0	0	85-100	85-100	72-100	51-95	29-40	13-21
		Silt Loam										
		Silty Clay Loam										
	50-72	Sandy Loam	CL	A-2	0	0	60-100	55-100	33-100	16-80	20-40	6-21
		Gravelly Sandy Loam	SC	A-6								
		Clay Loam										
Bb:												

Table H. - Engineering Index Properties - Continued

Fairfax 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	
Bb:												
Beltsville	0-14	Silt Loam	CL-ML	A-4	0	0	85-100	85-100	76-100	60-90	20-37	3-13
			ML									
	14-25	Silty Clay Loam	CL	A-6	0	0	85-100	85-100	76-100	60-95	29-40	13-21
		Silt Loam										
	25-50	Silty Clay Loam	CL	A-6	0	0	85-100	85-100	72-100	51-95	29-40	13-21
		Silt Loam										
		Loam										
	50-72	Gravelly Sandy Loam	CL	A-2	0	0	60-100	55-100	33-100	16-80	20-44	6-25
		Sandy Loam	SC	A-6								
		Clay Loam										
Bc:												
Bermudian	0-8	Silt Loam	CL	A-4	0	0	90-100	85-100	76-100	60-90	25-41	6-17
				A-6								
	8-50	Channery Sandy Clay Loam	CL	A-6	0	0	65-95	65-95	44-95	20-90	27-45	11-25
		Gravelly Silty Clay Loam	SC	A-7-6								
		Silt Loam										
	50-60	Silty Clay Loam	CL-ML	A-1	0	0-15	50-98	40-95	20-95	2-90	16-44	2-25
		Very Gravelly Silt Loam	GM	A-2								
		Gravelly Sand	ML	A-4								
			SC									
			SM									
Bowmansville	---				---	---	---	---	---	---	---	---
Bd:												

Table H. - Engineering Index Properties - Continued

Fairfax 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	
Bd:												
Birdsboro	0-10	Silt Loam	CL CL-ML	A-4 A-6	0	0	95-100	80-100	72-100	56-90	22-43	6-18
	10-46	Gravelly Clay Loam Silt Loam Sandy Clay Loam	CL SC	A-6	0	0	70-100	70-100	56-100	24-90	29-44	13-25
	46-70	Very Gravelly Clay Loam Loam	GM ML SC SM	A-1 A-2	0	0-15	40-100	30-100	26-90	18-70	16-40	2-21
Be:												
Bowmansville	0-8	Silt Loam	ML SM	A-4	0	0-5	95-100	80-100	60-100	35-90	25-37	6-11
	8-31	Sandy Clay Loam Silty Clay Loam Silt Loam	CL SC	A-4 A-6	0	0-5	95-100	80-100	80-100	40-90	24-40	9-21
	31-50	Gravelly Silt Loam Sandy Loam Silty Clay Loam	CL	A-6	0	0-10	90-100	75-100	60-100	35-100	24-40	9-21
	50-60	Gravelly Silt Loam Silty Clay Loam Extremely Gravelly Sand	CL-ML GM ML SM	A-1 A-2 A-4 A-6	0	0-15	40-100	20-100	10-100	1-95	0-44	NP-25
Bf:												

Table H. - Engineering Index Properties - Continued

Fairfax 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	
Bf:												
Brecknock	0-8	Loam	CL	A-4 A-6	0	0-5	95-100	90-100	70-95	54-75	25-37	6-13
	8-36	Channery Silt Loam Clay Loam Silt Loam	CL	A-6	0	0	80-100	79-100	72-85	56-85	26-42	11-22
	36-46	Very Channery Clay Loam Channery Loam Channery Silt Loam	GC	A-2 A-6	0	0-15	30-90	30-90	10-85	10-75	26-42	11-22
	46-50	Bedrock	---	---	---	---	---	---	---	---	---	---
Croton	---				---	---	---	---	---	---	---	---
Bg:												
Brecknock	0-8	Loam	CL	A-4 A-6	0	0-5	95-100	90-100	70-95	54-75	25-37	6-13
	8-36	Channery Silt Loam Clay Loam Silt Loam	CL	A-6	0	0	80-100	79-100	72-85	56-85	26-42	11-22
	36-46	Very Channery Clay Loam Channery Loam Channery Silt Loam	GC	A-2 A-6	0	0-15	30-90	30-90	10-85	10-75	26-42	11-22
	46-50	Bedrock	---	---	---	---	---	---	---	---	---	---
Croton	---				---	---	---	---	---	---	---	---
Bh:												

Table H. - Engineering Index Properties - Continued

Fairfax 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	
Bh:												
Brecknock	0-8	Silt Loam	CL	A-4 A-6	0	0-5	95-100	85-100	76-100	60-90	25-37	6-13
	8-36	Channery Silt Loam Clay Loam Silt Loam	CL	A-6	0	0	80-100	79-100	72-85	56-85	26-42	11-22
	36-46	Very Channery Clay Loam Channery Loam Channery Silt Loam	GC	A-2 A-6	0	0-15	30-90	30-90	10-85	10-75	26-42	11-22
	46-50	Bedrock	---	---	---	---	---	---	---	---	---	---
Croton	---				---	---	---	---	---	---	---	---
Bk:												
Brecknock	0-8	Silt Loam	CL	A-4 A-6	0	0-5	95-100	85-100	76-100	60-90	25-37	6-13
	8-36	Channery Silt Loam Clay Loam Silt Loam	CL	A-6	0	0	80-100	79-100	72-85	56-85	26-42	11-22
	36-46	Very Channery Clay Loam Channery Loam Channery Silt Loam	GC	A-2 A-6	0	0-15	30-90	30-90	10-85	10-75	26-42	11-22
	46-50	Bedrock	---	---	---	---	---	---	---	---	---	---
Croton	---				---	---	---	---	---	---	---	---
Bm:												

Table H. - Engineering Index Properties - Continued

Fairfax 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	
Bm:												
Bremo	0-10	Silt Loam	CL CL-ML ML	A-4	0	0-5	80-90	75-90	65-85	50-65	17-28	2-10
	10-17	Very Gravelly Loam Gravelly Silt Loam Very Gravelly Silt Loam	CL CL-ML GC GC-GM SC	A-2 A-4 A-6	0	0-15	35-75	30-75	22-74	20-68	16-30	2-12
	17-25	Gravelly Sandy Loam Very Gravelly Loam Very Gravelly Silt Loam	GC-GM GC-GM GM	A-1 A-2 A-4	0	0-25	30-80	30-70	26-70	18-63	0-28	NP-10
	25-29	Bedrock	---	---	---	---	---	---	---	---	---	---
Orange	0-10	Silt Loam	CL CL-ML SC-SM	A-4 A-6	0	0	90-100	80-100	75-95	56-85	22-43	6-18
	10-38	Channery Silty Clay Loam Silty Clay Clay	CH SC	A-7	0	0	90-100	75-100	48-100	42-95	45-69	25-44
	38-58	Sandy Clay Loam Very Channery Silt Loam Sandy Loam	CL GC SC	A-6 A-7	0	0-35	70-100	40-100	24-100	12-90	20-44	6-25
	58-62	Bedrock	---	---	---	---	---	---	---	---	---	---
Bn:												

Table H. - Engineering Index Properties - Continued

Fairfax 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	
Bn:												
Bucks	0-15	Loam	CL	A-6	0	0	95-100	95-100	81-100	57-90	25-43	6-17
		Silt Loam	CL-ML									
	15-35	Channery Loam	CL	A-6	0	0	75-100	70-100	60-100	42-95	31-42	13-21
		Silt Loam										
		Silty Clay Loam										
	35-44	Channery Silt Loam	CL	A-4	0	0	65-90	35-85	32-85	24-81	20-40	6-21
		Silt Loam	SC	A-6								
		Silty Clay Loam										
	44-48	Bedrock	---	---	---	---	---	---	---	---	---	---
Croton	---				---	---	---	---	---	---	---	---
Bo:												
Bucks	0-15	Silt Loam	CL	A-4	0	0	95-100	95-100	85-100	65-95	25-43	6-17
			CL-ML									
	15-35	Channery Loam	CL	A-6	0	0	75-100	70-100	60-100	42-95	31-42	13-21
		Silty Clay Loam										
		Silt Loam										
	35-44	Silty Clay Loam	CL	A-4	0	0	65-90	35-85	32-85	24-81	20-40	6-21
		Silt Loam	SC	A-6								
		Channery Silt Loam										
	44-48	Bedrock	---	---	---	---	---	---	---	---	---	---
Croton	---				---	---	---	---	---	---	---	---
Ca:												

Table H. - Engineering Index Properties - Continued

Fairfax 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	
Ca:												
Calverton	0-10	Loam	CL	A-4	0	0	85-100	80-100	68-95	48-75	21-41	6-19
			CL-ML	A-6								
	10-19	Silty Clay Loam	CL	A-6	0	0	80-100	80-100	72-100	56-95	29-46	12-25
		Silt Loam		A-7								
	19-29	Silty Clay Loam	CL	A-6	0	0	85-100	80-100	72-100	56-95	29-46	12-25
		Silt Loam										
		Clay Loam										
	29-55	Very Channery Silt Loam	GC	A-1	0	0-10	30-75	30-75	27-75	21-68	20-53	6-32
		Channery Silt Loam		A-2								
				A-4								
				A-6								
	55-59	Bedrock	---	---	---	---	---	---	---	---	---	---
Croton	---				---	---	---	---	---	---	---	---
Cb:												
Calverton	0-10	Silt Loam	CL	A-4	0	0	85-100	85-100	76-100	60-90	21-41	6-19
			CL-ML	A-6								
	10-19	Silty Clay Loam	CL	A-6	0	0	80-100	80-100	72-100	56-95	29-46	12-25
		Silt Loam		A-7								
	19-29	Clay Loam	CL	A-6	0	0	85-100	80-100	72-100	56-95	29-46	12-25
		Silty Clay Loam										
		Silt Loam										
	29-55	Channery Silt Loam	GC	A-1	0	0-10	30-75	30-75	27-75	21-68	20-53	6-32
		Very Channery Silt Loam		A-2								
				A-4								
				A-6								
	55-59	Bedrock	---	---	---	---	---	---	---	---	---	---
Croton	---				---	---	---	---	---	---	---	---
Cc:												

Table H. - Engineering Index Properties - Continued

Fairfax 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	
Cc:												
Calverton	0-10	Silt Loam	CL CL-ML	A-4 A-6	0	0	85-100	85-100	76-100	60-90	21-41	6-19
	10-19	Silt Loam Silty Clay Loam	CL	A-6 A-7	0	0	80-100	80-100	72-100	56-95	29-46	12-25
	19-29	Clay Loam Silty Clay Loam Silt Loam	CL	A-6	0	0	85-100	80-100	72-100	56-95	29-46	12-25
	29-55	Channery Silt Loam Very Channery Silt Loam	GC	A-1 A-2 A-4 A-6	0	0-10	30-75	30-75	27-75	21-68	20-53	6-32
	55-59	Bedrock	---	---	---	---	---	---	---	---	---	---
Croton	---				---	---	---	---	---	---	---	---
Cd:												
Catlett	0-6	Gravelly Silt Loam	CL-ML GC GC-GM GM ML	A-4	0	0-5	55-80	50-75	45-75	35-68	19-39	3-17
	6-12	Extremely Gravelly Silt Loam Very Gravelly Silt Loam	GC GC-GM GM	A-1 A-2 A-4	0-2	0-10	25-65	20-65	18-65	14-58	18-36	3-17
	12-17	Extremely Gravelly Silt Loam Very Gravelly Silt Loam	GC GC-GM GM	A-1 A-2	0-2	0-10	25-45	20-45	18-45	14-40	18-36	3-17
	17-21	Bedrock	---	---	---	---	---	---	---	---	---	---
Croton	---				---	---	---	---	---	---	---	---
Ce:												

Table H. - Engineering Index Properties - Continued

Fairfax 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	
Ce:												
Catlett	0-6	Gravelly Silt Loam	CL-ML GC GC-GM GM ML	A-4	0	0-5	55-80	50-75	45-75	35-68	19-39	3-17
	6-12	Very Gravelly Silt Loam Extremely Gravelly Silt Loam	GC GC-GM GM	A-1 A-2 A-4	0-2	0-10	25-65	20-65	18-65	14-58	18-36	3-17
	12-17	Extremely Gravelly Silt Loam Very Gravelly Silt Loam	GC GC-GM GM	A-1 A-2	0-2	0-10	25-45	20-45	18-45	14-40	18-36	3-17
	17-21	Bedrock	---	---	---	---	---	---	---	---	---	---
Croton	---				---	---	---	---	---	---	---	---
Cf:												
Catlett	0-6	Gravelly Silt Loam	CL-ML GC GC-GM GM ML	A-4	0	0-5	55-80	50-75	45-75	35-68	19-39	3-17
	6-12	Extremely Gravelly Silt Loam Very Gravelly Silt Loam	GC GC-GM GM	A-1 A-2 A-4	0-2	0-10	25-65	20-65	18-65	14-58	18-36	3-17
	12-17	Extremely Gravelly Silt Loam Very Gravelly Silt Loam	GC GC-GM GM	A-1 A-2	0-2	0-10	25-45	20-45	18-45	14-40	18-36	3-17
	17-21	Bedrock	---	---	---	---	---	---	---	---	---	---
Croton	---				---	---	---	---	---	---	---	---
Cg:												

Table H. - Engineering Index Properties - Continued

Fairfax 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	
Cg:												
Chewacla	0-8	Silt Loam	CL CL-ML	A-4 A-6 A-7	0	0	98-100	95-100	86-100	66-90	22-52	6-24
	8-24	Silt Loam Clay Loam Silty Clay Loam	CL	A-6 A-7	0	0	96-100	95-100	86-100	66-95	28-47	12-24
	24-34	Sandy Clay Loam Sandy Loam Loam	CL SC-SM	A-6 A-7-6	0	0	96-100	95-100	57-90	28-65	28-47	12-24
	34-58	Silty Clay Loam Clay Loam Silt Loam	CL	A-6 A-7	0	0	85-100	80-100	72-100	56-95	28-47	12-24
	58-70	Sand	SM SP-SM SW-SM	A-2 A-2-4	0	0	80-100	75-100	40-70	3-15	0-23	NP-6
Wehadkee	---				---	---	---	---	---	---	---	---
Ch:												

Table H. - Engineering Index Properties - Continued

Fairfax 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:												
Colfax	0-12	Silt Loam	CL CL-ML ML	A-4	0	0-3	95-100	85-100	72-95	51-75	20-41	3-17
	12-30	Loam Clay Loam Sandy Clay Loam	CL SC	A-6 A-7-6	0	0-3	90-100	80-100	68-100	48-80	30-47	13-24
	30-40	Clay Loam Sandy Clay Loam Loam	CL SC	A-4 A-6	0	0-3	90-100	80-100	68-100	48-80	26-47	9-24
	40-50	Sandy Clay Loam Sandy Loam	CL SC	A-2 A-4 A-6	0	0-3	95-100	85-100	51-90	26-65	26-43	9-21
	50-60	Sandy Loam	SC SC-SM SM	A-2 A-2-4	0	0	80-100	75-100	45-70	25-40	16-32	2-13
Worsham	---				---	---	---	---	---	---	---	---
Ck:												
Croton	0-9	Silt Loam	CL	A-4 A-6	0	0	90-100	85-100	85-100	76-90	31-49	9-20
	9-18	Silty Clay Loam Silt Loam	CL	A-6	0	0-10	90-100	85-100	85-100	76-95	32-47	13-25
	18-36	Silty Clay Loam Silt Loam Channery Silt Loam	CL	A-6	0	0-10	90-100	70-100	63-100	49-95	29-40	13-21
	36-48	Channery Clay Loam Channery Silty Clay Loam Channery Silt Loam	CL	A-6	0	0-10	75-100	50-100	45-100	35-95	29-40	13-21
	48-52	Bedrock	---	---	---	---	---	---	---	---	---	---
Ea:												

Table H. - Engineering Index Properties - Continued

Fairfax 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	
Ea:												
Elbert	0-11	Silt Loam	CL	A-6	0	0	95-100	95-100	86-100	66-90	27-43	9-18
	11-41	Clay	CH	A-7	0	0	95-100	95-100	86-100	71-95	49-69	29-44
	41-52	Clay	CH	A-7	0	0	95-100	95-100	86-100	60-95	41-61	21-37
		Clay Loam										
		Sandy Clay										
	52-58	Gravelly Sandy Loam	SC	A-2	0	0	65-100	60-100	36-90	18-55	20-32	6-13
		Sandy Loam										
		Sandy Clay Loam										
	58-62	Bedrock	---	---	---	---	---	---	---	---	---	---
Eb:												
Elioak	0-15	Silt Loam	CL	A-4	0	0-10	85-100	80-100	72-100	56-90	27-43	9-18
				A-6								
				A-7								
	15-42	Clay Loam	CH	A-6	0	0-5	85-100	80-100	72-100	56-95	37-66	21-43
		Silty Clay Loam	CL	A-7								
		Silty Clay										
	42-60	Gravelly Fine Sandy Loam	CL	A-2	0	0-5	70-100	70-100	49-100	28-90	24-38	9-19
		Loam		A-4								
		Silt Loam		A-6								
Worsham	---				---	---	---	---	---	---	---	---
Ec:												
Elioak	0-15	Silt Loam	CL	A-4	0	0-10	85-100	80-100	72-100	56-90	27-43	9-18
				A-6								
				A-7								
	15-42	Clay Loam	CH	A-6	0	0-5	85-100	80-100	72-100	56-95	37-66	21-43
		Silty Clay Loam	CL	A-7								
		Silty Clay										
	42-60	Silt Loam	CL	A-2	0	0-5	70-100	70-100	49-100	28-90	24-38	9-19
		Gravelly Fine Sandy Loam		A-4								
		Loam		A-6								

Table H. - Engineering Index Properties - Continued

Fairfax 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:												
Worsham	---				---	---	---	---	---	---	---	---
Ed:												
Elioak	0-15	Silt Loam	CL	A-4	0	0-10	85-100	80-100	72-100	56-90	27-43	9-18
				A-6								
				A-7								
	15-42	Silty Clay Loam	CH	A-6	0	0-5	85-100	80-100	72-100	56-95	37-66	21-43
		Silty Clay	CL	A-7								
		Clay Loam										
	42-60	Gravelly Fine Sandy Loam	CL	A-2	0	0-5	70-100	70-100	49-100	28-90	24-38	9-19
		Loam		A-4								
		Silt Loam		A-6								
Worsham	---				---	---	---	---	---	---	---	---
Ee:												
Elioak	0-15	Silt Loam	CL	A-4	0	0-10	85-100	80-100	72-100	56-90	27-43	9-18
				A-6								
				A-7								
	15-42	Silty Clay	CH	A-6	0	0-5	85-100	80-100	72-100	56-95	37-66	21-43
		Clay Loam	CL	A-7								
		Silty Clay Loam										
	42-60	Silt Loam	CL	A-2	0	0-5	70-100	70-100	49-100	28-90	24-38	9-19
		Gravelly Fine Sandy Loam		A-4								
		Loam		A-6								
Worsham	---				---	---	---	---	---	---	---	---
Ef:												

Table H. - Engineering Index Properties - Continued

Fairfax 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	
Ef:												
Elkton	0-10	Silt Loam	CL CL-ML	A-4 A-6	0	0	100	100	90-100	70-90	23-43	6-17
	10-36	Silty Clay Loam	CL	A-6 A-7	0	0	100	100	95-100	90-95	37-46	19-25
	36-60	Silty Clay Silty Clay Loam	CH CL	A-6 A-7	0	0	100	100	95-100	90-95	37-55	19-32
	60-65	Very Fine Sandy Loam	CL SC	A-4 A-6	0	0	100	95-100	71-90	33-55	24-32	9-13
Eg:												
Enon	0-8	Silt Loam Fine Sandy Loam	CL-ML SC SC-SM SM	A-2-4 A-4	0	0-5	80-100	80-100	56-100	34-90	17-31	2-10
	8-11	Sandy Clay Loam Clay Loam	CL SC	A-6	0	0-5	80-100	80-100	64-100	28-80	29-44	13-25
	11-33	Clay Clay Loam	CH CL	A-7 A-7-6	0	0-5	85-100	76-100	68-100	52-95	45-69	25-44
	33-75	Loam	CL CL-ML ML SC-SM SM	A-4	0	0	80-100	75-100	65-95	45-75	18-38	3-19
Eh:												

Table H. - Engineering Index Properties - Continued

Fairfax 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	
Eh:												
Enon	0-8	Fine Sandy Loam	CL-ML	A-2-4	0	0-5	80-100	80-100	56-100	34-90	17-31	2-10
		Silt Loam	SC	A-4								
			SC-SM									
			SM									
	8-11	Sandy Clay Loam	CL	A-6	0	0-5	80-100	80-100	64-100	28-80	29-44	13-25
		Clay Loam	SC									
	11-33	Clay	CH	A-7	0	0-5	85-100	76-100	68-100	52-95	45-69	25-44
		Clay Loam	CL	A-7-6								
	33-75	Loam	CL	A-4	0	0	80-100	75-100	65-95	45-75	18-38	3-19
			CL-ML									
			ML									
			SC-SM									
			SM									
Fa:												
Fairfax	0-9	Loam	CL	A-4	0	0	95-100	85-100	72-95	51-75	22-35	6-13
			CL-ML									
	9-19	Silty Clay Loam	CL	A-6	0	0	95-100	85-100	76-100	60-95	37-46	19-25
		Clay Loam		A-7								
	19-24	Gravelly Clay	CH	A-7	0	0	75-85	65-75	60-75	46-71	43-59	25-36
		Gravelly Silty Clay Loam	CL									
		Gravelly Clay Loam										
	24-40	Silty Clay Loam	CH	A-7	0	0	100	100	90-100	70-95	43-59	25-36
		Clay Loam	CL									
		Clay										
	40-80	Silt Loam	CL	A-4	0	0	95-100	85-100	75-100	51-90	20-44	6-25
		Loam	CL-ML	A-6								
		Clay Loam										
Fb:												

Table H. - Engineering Index Properties - Continued

Fairfax 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	
Fb:												
Fairfax	0-9	Silt Loam	CL CL-ML	A-4	0	0	95-100	90-100	81-100	63-90	22-35	6-13
	9-19	Clay Loam Silty Clay Loam	CL	A-6 A-7	0	0	95-100	85-100	76-100	60-95	37-46	19-25
	19-24	Gravelly Silty Clay Loam Gravelly Clay Gravelly Clay Loam	CH CL	A-7	0	0	75-85	65-75	60-75	46-71	43-59	25-36
	24-40	Silty Clay Loam Clay Clay Loam	CH CL	A-7	0	0	100	100	90-100	70-95	43-59	25-36
	40-80	Clay Loam Silt Loam Loam	CL CL-ML	A-4 A-6	0	0	95-100	85-100	75-100	51-90	20-44	6-25
Fc:												
Fairfax	0-9	Silt Loam	CL CL-ML	A-4	0	0	95-100	90-100	81-100	63-90	22-35	6-13
	9-19	Clay Loam Silty Clay Loam	CL	A-6 A-7	0	0	95-100	85-100	76-100	60-95	37-46	19-25
	19-24	Gravelly Clay Loam Gravelly Silty Clay Loam Gravelly Clay	CH CL	A-7	0	0	75-85	65-75	60-75	46-71	43-59	25-36
	24-40	Clay Loam Silty Clay Loam Clay	CH CL	A-7	0	0	100	100	90-100	70-95	43-59	25-36
	40-80	Clay Loam Loam Silt Loam	CL CL-ML	A-4 A-6	0	0	95-100	85-100	75-100	51-90	20-44	6-25
Ga:												

Table H. - Engineering Index Properties - Continued

Fairfax 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	
Ga:												
Galestown	0-40	Loamy Fine Sand	SC-SM	A-1	0	0	95-100	90-100	45-85	14-45	16-26	1-6
			SM	A-2								
	40-60	Loamy Fine Sand	SC-SM	A-1	0	0	95-100	90-100	45-85	4-45	15-23	1-6
		Sand	SM	A-2								
		Loamy Sand	SP-SM									
	60-65	Loamy Sand	SM	A-1	0	0	75-100	70-100	35-75	4-30	0-20	NP-3
		Sand	SP	A-2								
		Gravelly Sand	SP-SM	A-3								
Gb:												
Glenelg	0-6	Silt Loam	CL	A-4	0	0	85-100	80-100	72-100	56-90	27-41	9-17
				A-6								
	6-24	Silty Clay Loam	CL	A-6	0	0-10	60-100	50-100	42-100	30-95	29-42	13-22
		Channery Silt Loam		A-7								
		Loam										
	24-60	Loam	CL	A-2	0	0	60-100	50-100	30-95	15-75	16-32	2-13
		Channery Loam	GM	A-4								
		Sandy Loam	ML									
			SM									
Worsham	---				---	---	---	---	---	---	---	---
Gc:												
Glenelg	0-6	Silt Loam	CL	A-4	0	0	85-100	80-100	72-100	56-90	27-41	9-17
				A-6								
	6-24	Silty Clay Loam	CL	A-6	0	0-10	60-100	50-100	42-100	30-95	29-42	13-22
		Channery Silt Loam		A-7								
		Loam										
	24-60	Loam	CL	A-2	0	0	60-100	50-100	30-95	15-75	16-32	2-13
		Sandy Loam	GM	A-4								
		Channery Loam	ML									
			SM									

Table H. - Engineering Index Properties - Continued

Fairfax 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	
Gc:												
Worsham	---				---	---	---	---	---	---	---	---
Gd:												
Glenelg	0-6	Silt Loam	CL	A-4 A-6	0	0	85-100	80-100	72-100	56-90	27-41	9-17
	6-24	Channery Silt Loam Silty Clay Loam Loam	CL	A-6 A-7	0	0-10	60-100	50-100	42-100	30-95	29-42	13-22
	24-60	Sandy Loam Channery Loam Loam	CL GM ML SM	A-2 A-4	0	0	60-100	50-100	30-95	15-75	16-32	2-13
Worsham	---				---	---	---	---	---	---	---	---
Ge:												
Glenelg	0-6	Silt Loam	CL	A-4 A-6	0	0	85-100	80-100	72-100	56-90	27-41	9-17
	6-24	Silty Clay Loam Channery Silt Loam Loam	CL	A-6 A-7	0	0-10	60-100	50-100	42-100	30-95	29-42	13-22
	24-60	Sandy Loam Loam Channery Loam	CL GM ML SM	A-2 A-4	0	0	60-100	50-100	30-95	15-75	16-32	2-13
Worsham	---				---	---	---	---	---	---	---	---
Gf:												

Table H. - Engineering Index Properties - Continued

Fairfax 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	
Gf:												
Glenelg	0-6	Silt Loam	CL	A-4 A-6	0	0	85-100	80-100	72-100	56-90	27-41	9-17
	6-24	Silty Clay Loam Channery Silt Loam Loam	CL	A-6 A-7	0	0-10	60-100	50-100	42-100	30-95	29-42	13-22
	24-60	Channery Loam Sandy Loam Loam	CL GM ML SM	A-2 A-4	0	0	60-100	50-100	30-95	15-75	16-32	2-13
Worsham	---				---	---	---	---	---	---	---	---
Gg:												
Glenville	0-9	Silt Loam	CL	A-4	0	0	85-100	80-100	72-100	56-90	25-39	6-13
	9-18	Channery Silty Clay Loam Channery Loam Silt Loam	CL SC	A-6	0	0-10	70-100	50-100	42-100	30-95	29-44	13-25
	18-40	Silt Loam Channery Loam Silty Clay Loam	CL SC	A-6	0	0-10	65-100	50-100	42-100	30-95	29-44	13-25
	40-62	Very Channery Sandy Loam Channery Loam Channery Fine Sandy Loam	CL-ML GM ML SC SM	A-1 A-2 A-4	0	0-15	45-100	30-100	18-95	9-75	16-36	2-17
Worsham	---				---	---	---	---	---	---	---	---
Ha:												
Hilly land	---				---	---	---	---	---	---	---	---
Hb:												

Table H. - Engineering Index Properties - Continued

Fairfax 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:												
Huntington	0-11	Silt Loam	CL	A-6	0	0	95-100	95-100	86-100	66-90	33-52	11-20
			ML	A-7								
	11-64	Silty Clay Loam	CL	A-6	0	0	95-100	95-100	86-100	66-95	27-40	12-21
		Silt Loam										
	64-74	Fine Sandy Loam	CL	A-2-4	0	0	80-100	55-100	33-90	16-65	16-44	2-25
		Gravelly Sandy Clay Loam	SC	A-4								
		Sandy Loam	SC-SM	A-6								
		Sandy Clay Loam	SM									
Flooded soils	---				---	---	---	---	---	---	---	---
Ia:												
Iredell	0-7	Silt Loam	CL	A-4	0-1	0-1	99-100	95-100	86-100	66-95	26-47	9-24
				A-6								
	7-24	Clay	CH	A-7	0	0	99-100	85-100	76-100	64-95	51-79	29-46
	24-27	Clay Loam	CL	A-6	0-1	0-1	98-100	85-100	72-100	51-80	28-48	10-25
		Sandy Clay Loam		A-7								
		Loam										
	27-62	Clay Loam	CL	A-2-4	0	0	80-100	75-100	40-100	4-80	0-49	NP-28
		Sand	SM	A-6								
			SW-SM	A-7-6								
Elbert	---				---	---	---	---	---	---	---	---
Ib:												

Table H. - Engineering Index Properties - Continued

Fairfax 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	
Ib:												
Iredell	0-7	Silt Loam	CL	A-4	0-1	0-1	99-100	95-100	86-100	66-95	26-47	9-24
				A-6								
	7-24	Clay	CH	A-7	0	0	99-100	85-100	76-100	64-95	51-79	29-46
	24-27	Clay Loam	CL	A-6	0-1	0-1	98-100	85-100	72-100	51-80	28-48	10-25
		Sandy Clay Loam		A-7								
		Loam										
	27-62	Sand	CL	A-2-4	0	0	80-100	75-100	40-100	4-80	0-49	NP-28
		Clay Loam	SM	A-6								
			SW-SM	A-7-6								
Mecklenburg	0-8	Silt Loam	CL	A-4	0	0-5	90-100	80-100	56-100	32-90	20-39	4-17
		Fine Sandy Loam	CL-ML	A-6								
	8-25	Clay	CH	A-7	0	0-5	90-100	85-100	76-100	64-95	48-67	28-44
	25-36	Sandy Clay Loam	CL	A-6	---	0-5	90-100	85-100	72-100	51-80	29-44	13-25
		Clay Loam		A-7								
		Loam										
	36-66	Sandy Clay Loam	CL	A-6	0	0	80-100	75-100	60-90	26-65	29-44	13-25
			SC									
Elbert	---				---	---	---	---	---	---	---	---
Ic:												
Iredell	0-7	Silt Loam	CL	A-4	0-1	0-1	99-100	95-100	86-100	66-95	26-47	9-24
				A-6								
	7-24	Clay	CH	A-7	0	0	99-100	85-100	76-100	64-95	51-79	29-46
	24-27	Sandy Clay Loam	CL	A-6	0-1	0-1	98-100	85-100	72-100	51-80	28-48	10-25
		Loam		A-7								
		Clay Loam										
	27-62	Clay Loam	CL	A-2-4	0	0	80-100	75-100	40-100	4-80	0-49	NP-28
		Sand	SM	A-6								
			SW-SM	A-7-6								

Table H. - Engineering Index Properties - Continued

Fairfax 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:												
Mecklenburg	0-8	Silt Loam	CL	A-4	0	0-5	90-100	80-100	56-100	32-90	20-39	4-17
		Fine Sandy Loam	CL-ML	A-6								
	8-25	Clay	CH	A-7	0	0-5	90-100	85-100	76-100	64-95	48-67	28-44
	25-36	Sandy Clay Loam	CL	A-6	---	0-5	90-100	85-100	72-100	51-80	29-44	13-25
		Loam		A-7								
		Clay Loam										
	36-66	Sandy Clay Loam	CL	A-6	0	0	80-100	75-100	60-90	26-65	29-44	13-25
			SC									
Elbert	---				---	---	---	---	---	---	---	---
Id:												
Iredell	0-7	Stony Silt Loam	CL	A-4	5-10	0-5	65-85	65-85	58-85	46-85	21-39	6-17
			SC	A-6								
	7-24	Clay	CH	A-7	0	0	99-100	85-100	76-100	64-95	51-79	29-46
	24-27	Clay Loam	CL	A-6	0-1	0-1	98-100	85-100	72-100	51-80	28-48	10-25
		Sandy Clay Loam		A-7								
		Loam										
	27-62	Clay Loam	CL	A-2-4	0	0	80-100	75-100	40-100	4-80	0-49	NP-28
		Sand	SM	A-6								
			SW-SM	A-7-6								
Mecklenburg	0-8	Gravelly Silt Loam	CL	A-6	0-10	2-10	60-100	50-100	45-100	35-90	20-39	4-17
	8-25	Clay	CH	A-7	0	0-5	90-100	85-100	76-100	64-95	48-67	28-44
	25-36	Loam	CL	A-6	---	0-5	90-100	85-100	72-100	51-80	29-44	13-25
		Clay Loam		A-7								
		Sandy Clay Loam										
	36-66	Sandy Clay Loam	CL	A-6	0	0	80-100	75-100	60-90	26-65	29-44	13-25
			SC									
Elbert	---				---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Fairfax 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	
Ie:												
Iredell	0-7	Stony Silt Loam	CL	A-4	5-10	0-5	65-100	65-100	58-100	46-90	21-39	6-17
			SC	A-6								
	7-24	Clay	CH	A-7	0	0	99-100	85-100	76-100	64-95	51-79	29-46
	24-27	Clay Loam	CL	A-6	0-1	0-1	98-100	85-100	72-100	51-80	28-48	10-25
		Sandy Clay Loam		A-7								
		Loam										
	27-62	Clay Loam	CL	A-2-4	0	0	80-100	75-100	40-100	4-80	0-49	NP-28
		Sand	SM	A-6								
			SW-SM	A-7-6								
Mecklenburg	0-8	Gravelly Silt Loam	CL	A-6	0-10	2-10	60-100	50-100	45-100	35-90	20-39	4-17
	8-25	Clay	CH	A-7	0	0-5	90-100	85-100	76-100	64-95	48-67	28-44
	25-36	Clay Loam	CL	A-6	---	0-5	90-100	85-100	72-100	51-80	29-44	13-25
		Sandy Clay Loam		A-7								
		Loam										
	36-66	Sandy Clay Loam	CL	A-6	0	0	80-100	75-100	60-90	26-65	29-44	13-25
			SC									
Elbert	---				---	---	---	---	---	---	---	---
Ka:												
Kelly	0-9	Silt Loam	CL	A-4	0	0	90-100	80-100	72-100	56-90	21-41	6-19
				A-6								
	9-38	Sandy Clay Loam	CH	A-7	0	0	90-100	75-100	60-100	26-95	41-69	21-44
		Clay	CL									
		Silty Clay Loam	SC									
	38-41	Sandy Clay Loam	CH	A-2	0	0-10	50-100	50-100	40-100	18-95	32-61	14-37
		Gravelly Silty Clay	CL	A-6								
		Clay	GC-GM	A-7								
	41-45	Bedrock	---	---	---	---	---	---	---	---	---	---
	45-49	Bedrock	---	---	---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Fairfax 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:												
Elbert	---				---	---	---	---	---	---	---	---
La:												
Lenoir	0-8	Silt Loam	CL CL-ML ML	A-4	0	0	100	100	90-100	70-90	21-39	3-13
	8-75	Clay Clay Loam Silty Clay	CH CL	A-7	0	0	100	100	90-100	70-95	43-67	25-44
Elkton	---				---	---	---	---	---	---	---	---
Lb:												
Lindside	0-8	Silt Loam	CL	A-4 A-6	0	0	100	95-100	90-100	70-90	29-45	9-18
	8-44	Silt Loam Silty Clay Loam Very Fine Sandy Loam	CL	A-6	0	0	100	95-100	81-100	48-95	27-44	12-25
	44-60	Silty Clay Loam Gravelly Sandy Loam	CL SC	A-2 A-6	0	0	60-100	50-100	30-100	15-95	27-44	12-25
Lc:												

Table H. - Engineering Index Properties - Continued

Fairfax 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	
Lc:												
Lloyd	0-9	Loam	CL	A-4 A-6	0	0	90-100	75-100	64-95	45-75	27-41	9-19
	9-46	Clay Loam Clay	CH	A-7	0	0	90-100	75-100	68-100	52-95	43-76	25-51
	46-56	Silty Clay Loam Clay Loam Clay	CH CL	A-6 A-7	0	0	90-100	75-100	68-100	52-95	39-59	21-36
	56-72	Gravelly Loam	CL CL-ML ML SC-SM SM	A-4	0	0	80-100	50-100	42-95	30-75	18-38	3-19
Ld:												
Louisburg	0-7	Coarse Sandy Loam	SC-SM SM	A-2	0	0	80-100	75-100	45-70	25-40	17-31	2-10
	7-24	Sandy Loam	SC SC-SM SM	A-2 A-4	0	0	85-100	75-100	45-70	22-40	18-30	3-12
	24-60	Sandy Loam Sandy Clay Loam Fine Sandy Loam	CL SC SC-SM SM	A-2-4 A-4 A-6	0	0	80-100	75-100	45-90	22-65	16-44	2-25
Worsham	---				---	---	---	---	---	---	---	---
Le:												

Table H. - Engineering Index Properties - Continued

Fairfax 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	
Le:												
Louisburg	0-7	Coarse Sandy Loam	SC-SM SM	A-2	0	0	80-100	75-100	45-70	25-40	17-31	2-10
	7-24	Sandy Loam	SC SC-SM SM	A-2 A-4	0	0	85-100	75-100	45-70	22-40	18-30	3-12
	24-60	Sandy Loam Sandy Clay Loam Fine Sandy Loam	CL SC SC-SM SM	A-2-4 A-4 A-6	0	0	80-100	75-100	45-90	22-65	16-44	2-25
Worsham	---				---	---	---	---	---	---	---	---
Lf:												
Louisburg	0-7	Coarse Sandy Loam	SC-SM SM	A-2	0	0	80-100	75-100	45-70	25-40	17-31	2-10
	7-24	Sandy Loam	SC SC-SM SM	A-2 A-4	0	0	85-100	75-100	45-70	22-40	18-30	3-12
	24-60	Sandy Loam Sandy Clay Loam Fine Sandy Loam	CL SC SC-SM SM	A-2-4 A-4 A-6	0	0	80-100	75-100	45-90	22-65	16-44	2-25
Worsham	---				---	---	---	---	---	---	---	---
Lg:												

Table H. - Engineering Index Properties - Continued

Fairfax 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	
Lg:												
Lunt	0-7	Fine Sandy Loam	CL	A-2	0	0	85-100	85-100	60-85	34-55	21-41	6-19
				A-4								
				A-6								
	7-39	Clay Loam	CH	A-7	0	0	85-100	85-100	75-100	60-95	45-69	25-44
		Sandy Clay	CL									
		Clay										
	39-75	Gravelly Sandy Loam	CL	A-2-4	0	0	60-100	50-100	30-100	15-80	16-61	2-39
		Sandy Clay	CL-ML	A-2-6								
		Sandy Clay Loam	SC	A-4								
		Fine Sandy Loam	SC-SM	A-6								
		Sandy Loam	SM									
Lh:												
Lunt	0-7	Fine Sandy Loam	CL	A-2	0	0	85-100	85-100	60-85	34-55	21-41	6-19
				A-4								
				A-6								
	7-39	Sandy Clay	CH	A-7	0	0	85-100	85-100	75-100	60-95	45-69	25-44
		Clay	CL									
		Clay Loam										
	39-75	Sandy Clay Loam	CL	A-2-4	0	0	60-100	50-100	30-100	15-80	16-61	2-39
		Fine Sandy Loam	CL-ML	A-2-6								
		Sandy Loam	SC	A-4								
		Sandy Clay	SC-SM	A-6								
		Gravelly Sandy Loam	SM									
Lk:												

Table H. - Engineering Index Properties - Continued

Fairfax 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:												
Lunt	0-7	Fine Sandy Loam	CL	A-2 A-4 A-6	0	0	85-100	85-100	60-85	34-55	21-41	6-19
	7-39	Sandy Clay Clay Clay Loam	CH CL	A-7	0	0	85-100	85-100	75-100	60-95	45-69	25-44
	39-75	Fine Sandy Loam Sandy Loam Gravelly Sandy Loam Sandy Clay Sandy Clay Loam	CL CL-ML SC SC-SM SM	A-2-4 A-2-6 A-4 A-6	0	0	60-100	50-100	30-100	15-80	16-61	2-39
Ma:												
Manassas	0-16	Silt Loam	CL CL-ML ML	A-4 A-6	0	0	90-100	80-100	72-100	56-90	25-45	6-18
	16-40	Clay Loam Extremely Channery Silt Loam Silty Clay Loam Silt Loam	CL	A-6 A-7	0	0	90-100	25-100	22-100	18-95	29-44	13-25
	40-60	Very Channery Silt Loam	CL GC GC-GM SC	A-2 A-4 A-6	0	0-10	45-100	35-100	32-100	24-90	24-40	9-21
Mb:												

Table H. - Engineering Index Properties - Continued

Fairfax 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	
Mb:												
Manor	0-10	Silt Loam	CL	A-4 A-6	0	0	85-100	80-100	72-100	56-90	22-41	6-17
	10-20	Loam Silt Loam Channery Loam	CL	A-2-4 A-2-6 A-4 A-6	0	0-10	65-100	50-100	42-100	30-90	20-36	6-17
	20-72	Channery Sandy Loam Sandy Loam Loam	CL CL-ML SC-SM SM	A-1 A-2 A-4 A-6	0	0-5	65-100	50-100	30-95	15-75	16-32	2-13
Worsham	---				---	---	---	---	---	---	---	---
Mc:												
Manor	0-10	Silt Loam	CL	A-4 A-6	0	0	85-100	80-100	72-100	56-90	22-41	6-17
	10-20	Channery Loam Silt Loam Loam	CL	A-2-4 A-2-6 A-4 A-6	0	0-10	65-100	50-100	42-100	30-90	20-36	6-17
	20-72	Channery Sandy Loam Sandy Loam Loam	CL CL-ML SC-SM SM	A-1 A-2 A-4 A-6	0	0-5	65-100	50-100	30-95	15-75	16-32	2-13
Worsham	---				---	---	---	---	---	---	---	---
Md:												

Table H. - Engineering Index Properties - Continued

Fairfax 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	
Md:												
Manor	0-10	Silt Loam	CL	A-4	0	0	85-100	80-100	72-100	56-90	22-41	6-17
				A-6								
	10-20	Loam	CL	A-2-4	0	0-10	65-100	50-100	42-100	30-90	20-36	6-17
		Channery Loam		A-2-6								
		Silt Loam		A-4								
				A-6								
	20-72	Loam	CL	A-1	0	0-5	65-100	50-100	30-95	15-75	16-32	2-13
		Channery Sandy Loam	CL-ML	A-2								
		Sandy Loam	SC-SM	A-4								
			SM	A-6								
Worsham	---				---	---	---	---	---	---	---	---
Me:												
Manor	0-10	Silt Loam	CL	A-4	0	0	85-100	80-100	72-100	56-90	22-41	6-17
				A-6								
	10-20	Channery Loam	CL	A-2-4	0	0-10	65-100	50-100	42-100	30-90	20-36	6-17
		Silt Loam		A-2-6								
		Loam		A-4								
				A-6								
	20-72	Channery Sandy Loam	CL	A-1	0	0-5	65-100	50-100	30-95	15-75	16-32	2-13
		Sandy Loam	CL-ML	A-2								
		Loam	SC-SM	A-4								
			SM	A-6								
Worsham	---				---	---	---	---	---	---	---	---
Mf:												

Table H. - Engineering Index Properties - Continued

Fairfax 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	
Mf:												
Marsh	0-4	Silty Clay	CH	A-6	0	0	100	100	90-100	70-95	30-57	11-32
		Silty Clay Loam	CL	A-7-6								
		Mucky Silt Loam										
		Silt Loam										
	4-62	Silty Clay Loam	CH	A-7-6	0	0	100	100	90-100	75-95	44-66	22-39
		Clay	CL									
		Silty Clay										
		Mucky Silty Clay										
Mg:												
Masada	0-10	Gravelly Loam	CL	A-2	0	0-5	60-85	50-75	42-71	30-56	17-35	2-13
			GC	A-4								
			GC-GM									
			ML									
			SC-SM									
	10-55	Clay	CH	A-7	0	0	55-100	50-100	45-100	35-95	42-61	24-39
		Gravelly Clay	CL									
		Gravelly Clay Loam	GC									
	55-75	Cobbly Clay Loam	CL	A-6	0	0	55-100	50-100	45-100	35-80	37-49	21-28
		Gravelly Clay Loam	GC	A-7								
		Clay Loam	SC									
Mh:												
Matapeake	0-16	Silt Loam	CL	A-4	0	0	100	100	90-100	70-100	18-31	2-10
			CL-ML									
			ML									
	16-34	Silty Clay Loam	CL	A-6	0	0	100	100	85-100	60-95	27-40	12-21
		Silt Loam										
		Loam										
	34-62	Sand	SC-SM	A-2	0	0	95-100	85-100	42-70	5-40	0-32	NP-13
		Sandy Loam	SM	A-3								
		Loamy Sand	SP-SM	A-4								

Table H. - Engineering Index Properties - Continued

Fairfax 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	
Mk:												
Matapeake	0-16	Silt Loam	CL	A-4	0	0	100	100	90-100	70-100	18-31	2-10
			CL-ML									
			ML									
	16-34	Silt Loam	CL	A-6	0	0	100	100	85-100	60-95	27-40	12-21
		Loam										
		Silty Clay Loam										
	34-62	Sand	SC-SM	A-2	0	0	95-100	85-100	42-70	5-40	0-32	NP-13
		Loamy Sand	SM	A-3								
		Sandy Loam	SP-SM	A-4								
Mm:												
Mattapex	0-15	Silt Loam	CL	A-4	0	0	95-100	90-100	81-100	63-90	21-35	6-12
			CL-ML									
	15-36	Silt Loam	CL	A-6	0	0	100	100	90-100	70-95	27-40	12-21
		Silty Clay Loam										
	36-60	Loam	CL	A-2	0	0	95-100	90-100	45-95	15-75	18-27	4-10
		Fine Sandy Loam	CL-ML	A-4								
		Loamy Sand	SC									
	60-65	Loamy Sand	SM	A-2	0	0	95-100	90-100	45-75	5-30	0-21	NP-4
		Sand	SP-SM									
Mn:												
Mattapex	0-15	Silt Loam	CL	A-4	0	0	95-100	90-100	81-100	63-90	21-35	6-12
			CL-ML									
	15-36	Silty Clay Loam	CL	A-6	0	0	100	100	90-100	70-95	27-40	12-21
		Silt Loam										
	36-60	Fine Sandy Loam	CL	A-2	0	0	95-100	90-100	45-95	15-75	18-27	4-10
		Loam	CL-ML	A-4								
		Loamy Sand	SC									
	60-65	Loamy Sand	SM	A-2	0	0	95-100	90-100	45-75	5-30	0-21	NP-4
		Sand	SP-SM									
Mo:												

Table H. - Engineering Index Properties - Continued

Fairfax 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	
Mo:												
Mayodan	0-12	Silt Loam	CL	A-4	0	0-5	92-100	83-100	75-100	59-90	17-35	2-13
	12-18	Clay Loam	CL	A-6	0	0-2	95-100	95-100	76-100	33-95	30-50	13-28
		Sandy Clay Loam		A-7-6								
		Silty Clay Loam										
	18-47	Sandy Clay	CH	A-7	0	0-2	95-100	90-100	76-100	40-95	43-67	25-44
		Clay	CL									
		Silty Clay										
	47-60	Loam	CL	A-2-4	0	0	80-100	75-100	45-100	22-80	16-49	2-28
		Clay Loam	ML	A-4								
		Sandy Clay Loam	SC	A-6								
		Sandy Loam	SC-SM	A-7-6								
		Fine Sandy Loam	SM									
Croton	---				---	---	---	---	---	---	---	---
Mp:												
Meadowville	0-14	Silt Loam	CL	A-4	0	0	90-100	75-100	68-100	52-90	25-45	6-18
			CL-ML	A-6								
			ML									
	14-46	Clay Loam	CL	A-6	0	0	90-100	75-100	65-100	56-95	31-46	13-25
		Silty Clay Loam		A-7								
		Loam										
	46-52	Sandy Clay	CH	A-2	0	0-5	75-100	75-100	60-95	26-60	31-59	13-36
		Sandy Clay Loam	CL	A-6								
			SC	A-7								
	52-76	Sandy Loam	CL	A-2	0	0-5	75-100	75-100	45-100	25-90	24-38	9-19
		Silt Loam	SC	A-4								
		Sandy Clay Loam		A-6								
Mr:												

Table H. - Engineering Index Properties - Continued

Fairfax 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	
Mr:												
Mixed alluvial land	0-9	Loamy Sand Very Gravelly Sand Sand	CL	A-6	0	0	60-100	50-100	25-75	2-30	0-29	NP-4
	9-45	Very Gravelly Sand Loamy Sand Sand	CL SC SC-SM	A-2 A-6	0	0	60-100	50-100	25-75	2-30	0-21	NP-4
	45-72	Very Gravelly Sand Loamy Sand Sand	SC SC-SM	A-1 A-2	0	0	40-100	30-100	15-75	2-30	0-21	NP-4
Poorly drained soils	---				---	---	---	---	---	---	---	---
Ms:												
Montalto	0-11	Silt Loam	CL	A-6 A-7	0	0-5	95-100	80-100	72-100	56-90	29-49	12-24
	11-45	Clay Silty Clay Clay Loam	CH CL	A-7	0	0-5	95-100	80-100	72-100	56-95	39-63	21-40
	45-62	Clay Loam Silty Clay Loam Loam	CL	A-6 A-7	0	0-10	90-100	80-100	68-100	48-95	31-50	13-29
Oa:												
Orange	0-10	Silt Loam	CL CL-ML SC-SM	A-4 A-6	0	0	90-100	80-100	75-95	56-85	22-43	6-18
	10-38	Channery Silty Clay Loam Silty Clay Clay	CH SC	A-7	0	0	90-100	75-100	48-100	42-95	45-69	25-44
	38-58	Sandy Clay Loam Very Channery Silt Loam Sandy Loam	CL GC SC	A-6 A-7	0	0	70-100	40-100	24-100	12-90	20-44	6-25
	58-62	Bedrock	---	---	---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Fairfax 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	
Oa:												
Elbert	---				---	---	---	---	---	---	---	---
Pa:												
Penn	0-8	Fine Sandy Loam	SC SC-SM SM	A-2-4 A-4	0	0	80-100	80-100	56-85	32-55	16-32	2-13
	8-21	Channery Loam Channery Silt Loam Channery Silty Clay Loam	CL	A-2 A-6	0	0-10	55-100	50-100	42-100	30-95	27-42	12-22
	21-34	Channery Silt Loam Very Channery Loam Very Channery Silt Loam	CL GC	A-2 A-6	0	0-15	35-100	30-75	26-75	18-68	27-36	12-17
	34-38	Bedrock	---	---	---	---	---	---	---	---	---	---
Croton	---				---	---	---	---	---	---	---	---
Pb:												
Penn	0-8	Fine Sandy Loam	SC SC-SM SM	A-2-4 A-4	0	0	80-100	80-100	56-85	32-55	16-32	2-13
	8-21	Channery Loam Channery Silt Loam Channery Silty Clay Loam	CL	A-2 A-6	0	0-10	55-100	50-100	42-100	30-95	27-42	12-22
	21-34	Channery Silt Loam Very Channery Silt Loam Very Channery Loam	CL GC	A-2 A-6	0	0-15	35-100	30-75	26-75	18-68	27-36	12-17
	34-38	Bedrock	---	---	---	---	---	---	---	---	---	---
Croton	---				---	---	---	---	---	---	---	---
Pc:												

Table H. - Engineering Index Properties - Continued

Fairfax 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	
Pc:												
Penn	0-8	Fine Sandy Loam	SC SC-SM SM	A-2-4 A-4	0	0	80-100	80-100	56-85	32-55	16-32	2-13
	8-21	Channery Silty Clay Loam Channery Loam Channery Silt Loam	CL	A-2 A-6	0	0-10	55-100	50-100	42-100	30-95	27-42	12-22
	21-34	Channery Silt Loam Very Channery Loam Very Channery Silt Loam	CL GC	A-2 A-6	0	0-15	35-100	30-75	26-75	18-68	27-36	12-17
	34-38	Bedrock	---	---	---	---	---	---	---	---	---	---
Croton	---				---	---	---	---	---	---	---	---
Pd:												
Penn	0-8	Loam	CL	A-4	0	0-5	95-100	80-100	68-95	48-75	22-37	6-13
	8-21	Channery Loam Channery Silt Loam Channery Silty Clay Loam	CL	A-2 A-6	0	0-10	55-100	50-100	42-100	30-95	27-42	12-22
	21-34	Channery Silt Loam Very Channery Loam Very Channery Silt Loam	CL GC	A-2 A-6	0	0-15	35-100	30-75	26-75	18-68	27-36	12-17
	34-38	Bedrock	---	---	---	---	---	---	---	---	---	---
Croton	---				---	---	---	---	---	---	---	---
Pe:												

Table H. - Engineering Index Properties - Continued

Fairfax 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	
Pe:												
Penn	0-8	Loam	CL	A-4	0	0-5	95-100	80-100	68-95	48-75	22-37	6-13
	8-21	Channery Silty Clay Loam	CL	A-2	0	0-10	55-100	50-100	42-100	30-95	27-42	12-22
		Channery Loam		A-6								
		Channery Silt Loam										
	21-34	Very Channery Loam	CL	A-2	0	0-15	35-100	30-75	26-75	18-68	27-36	12-17
		Channery Silt Loam	GC	A-6								
		Very Channery Silt Loam										
	34-38	Bedrock	---	---	---	---	---	---	---	---	---	---
Croton	---				---	---	---	---	---	---	---	---
Pf:												
Penn	0-8	Loam	CL	A-4	0	0-5	95-100	80-100	68-95	48-75	22-37	6-13
	8-21	Channery Silty Clay Loam	CL	A-2	0	0-10	55-100	50-100	42-100	30-95	27-42	12-22
		Channery Loam		A-6								
		Channery Silt Loam										
	21-34	Channery Silt Loam	CL	A-2	0	0-15	35-100	30-75	26-75	18-68	27-36	12-17
		Very Channery Loam	GC	A-6								
		Very Channery Silt Loam										
	34-38	Bedrock	---	---	---	---	---	---	---	---	---	---
Croton	---				---	---	---	---	---	---	---	---
Pg:												

Table H. - Engineering Index Properties - Continued

Fairfax 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	
Pg:												
Penn	0-8	Channery Silt Loam	CL CL-ML ML SC SC-SM SM	A-4	0	0	60-80	50-75	45-75	35-68	18-38	3-19
	8-21	Channery Silty Clay Loam Channery Loam Channery Silt Loam	CL	A-2 A-6	0	0-10	55-100	50-100	42-100	30-95	27-42	12-22
	21-34	Very Channery Silt Loam Channery Silt Loam Very Channery Loam	CL GC	A-2 A-6	0	0-15	35-100	30-75	26-75	18-68	27-36	12-17
	34-38	Bedrock	---	---	---	---	---	---	---	---	---	---
Croton	---				---	---	---	---	---	---	---	---
Ph:												
Penn	0-8	Channery Silt Loam	CL CL-ML ML SC SC-SM SM	A-4	0	0	60-80	50-75	45-75	35-68	18-38	3-19
	8-21	Channery Silty Clay Loam Channery Loam Channery Silt Loam	CL	A-2 A-6	0	0-10	55-100	50-100	42-100	30-95	27-42	12-22
	21-34	Very Channery Silt Loam Channery Silt Loam Very Channery Loam	CL GC	A-2 A-6	0	0-15	35-100	30-75	26-75	18-68	27-36	12-17
	34-38	Bedrock	---	---	---	---	---	---	---	---	---	---
Croton	---				---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Fairfax 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	
Ph:												
Pk:												
Penn	0-8	Channery Silt Loam	CL CL-ML ML SC SC-SM SM	A-4	0	0	60-80	50-75	45-75	35-68	18-38	3-19
	8-21	Channery Silty Clay Loam Channery Loam Channery Silt Loam	CL	A-2 A-6	0	0-10	55-100	50-100	42-100	30-95	27-42	12-22
	21-34	Channery Silt Loam Very Channery Loam Very Channery Silt Loam	CL GC	A-2 A-6	0	0-15	35-100	30-75	26-75	18-68	27-36	12-17
	34-38	Bedrock	---	---	---	---	---	---	---	---	---	---
Croton	---				---	---	---	---	---	---	---	---
Pm:												
Penn	0-8	Silt Loam	CL	A-4	0	0-5	95-100	80-100	72-100	56-90	22-37	6-13
	8-21	Channery Silt Loam Channery Silty Clay Loam Channery Loam	CL	A-2 A-6	0	0-10	55-100	50-100	42-100	30-95	27-42	12-22
	21-34	Very Channery Silt Loam Channery Silt Loam Very Channery Loam	CL GC	A-2 A-6	0	0-15	35-100	30-75	26-75	18-68	27-36	12-17
	34-38	Bedrock	---	---	---	---	---	---	---	---	---	---
Croton	---				---	---	---	---	---	---	---	---
Pn:												

Table H. - Engineering Index Properties - Continued

Fairfax 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	
Pn:												
Penn	0-8	Silt Loam	CL	A-4	0	0-5	95-100	80-100	72-100	56-90	22-37	6-13
	8-21	Channery Silty Clay Loam	CL	A-2	0	0-10	55-100	50-100	42-100	30-95	27-42	12-22
		Channery Loam		A-6								
		Channery Silt Loam										
	21-34	Channery Silt Loam	CL	A-2	0	0-15	35-100	30-75	26-75	18-68	27-36	12-17
		Very Channery Loam	GC	A-6								
		Very Channery Silt Loam										
	34-38	Bedrock	---	---	---	---	---	---	---	---	---	---
Croton	---				---	---	---	---	---	---	---	---
Po:												
Penn	0-8	Silt Loam	CL	A-4	0	0-5	95-100	80-100	72-100	56-90	22-37	6-13
	8-21	Channery Silt Loam	CL	A-2	0	0-10	55-100	50-100	42-100	30-95	27-42	12-22
		Channery Loam		A-6								
		Channery Silty Clay Loam										
	21-34	Channery Silt Loam	CL	A-2	0	0-15	35-100	30-75	26-75	18-68	27-36	12-17
		Very Channery Loam	GC	A-6								
		Very Channery Silt Loam										
	34-38	Bedrock	---	---	---	---	---	---	---	---	---	---
Croton	---				---	---	---	---	---	---	---	---
Ra:												

Table H. - Engineering Index Properties - Continued

Fairfax 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:												
Raritan	0-9	Silt Loam	CL ML	A-4	0	0	85-100	75-100	68-100	52-90	25-39	6-13
	9-27	Silt Loam Loam Clay Loam	CL	A-6	0	0-5	90-100	75-100	64-100	45-90	27-43	12-24
	27-43	Clay Loam Silt Loam Loam	CL	A-6	0	0-5	90-100	75-100	68-100	52-90	27-43	12-24
	43-55	Very Gravelly Silt Loam	CL CL-ML ML SC-SM	A-4	0	0	80-100	35-100	32-100	24-90	18-38	3-19
Bowmansville	---				---	---	---	---	---	---	---	---
Rb:												
Readington	0-8	Silt Loam	CL	A-4 A-6	0	0-5	90-100	80-100	72-100	56-90	27-37	9-13
	8-29	Silty Clay Loam Channery Silt Loam Loam	CL	A-6	0	0	80-100	60-100	51-100	36-95	27-44	12-25
	29-50	Channery Silt Loam Channery Loam Silt Loam	CL	A-2 A-6	0	0-10	60-100	50-100	42-100	30-90	29-40	13-21
	50-54	Bedrock	---	---	---	---	---	---	---	---	---	---
Rc:												
Rocky land, basic	---				---	---	---	---	---	---	---	---
Elbert	---				---	---	---	---	---	---	---	---
Rd:												

Table H. - Engineering Index Properties - Continued

Fairfax 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	
Rd:												
Rocky land, acidic	---				---	---	---	---	---	---	---	---
Elbert	---				---	---	---	---	---	---	---	---
Re:												
Rocky land, acidic	---				---	---	---	---	---	---	---	---
Elbert	---				---	---	---	---	---	---	---	---
Rf:												
Rolling land	---				---	---	---	---	---	---	---	---
Rg:												
Rowland	0-10	Silt Loam	CL	A-4	0	0-5	95-100	85-100	76-100	60-90	25-39	6-13
			ML									
	10-18	Loam	CL	A-4	0	0-5	95-100	85-100	72-100	51-90	26-43	9-22
		Silt Loam		A-6								
		Sandy Clay Loam		A-7								
	18-35	Gravelly Silty Clay Loam	CL	A-4	0	0-10	90-100	65-100	55-100	29-95	26-47	9-26
		Silt Loam		A-6								
		Sandy Clay		A-7								
	35-60	Very Fine Sandy Loam	GM	A-1	0	0-5	30-95	20-85	10-80	1-55	0-26	NP-7
		Extremely Gravelly Sand	SC-SM	A-2								
			SM	A-4								
Bowmansville	---				---	---	---	---	---	---	---	---
Sa:												

Table H. - Engineering Index Properties - Continued

Fairfax 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:												
Sassafras	0-9	Fine Sandy Loam	SC-SM	A-2	0	0	85-100	80-100	56-85	32-55	0-28	NP-7
			SM	A-4								
	9-40	Sandy Loam	CL	A-2	0	0	85-100	80-100	50-95	25-75	27-38	12-19
		Sandy Clay Loam	SC	A-6								
		Loam	SC-SM									
	40-70	Sand	SC	A-1	0	0	70-100	50-100	30-70	5-39	0-28	NP-10
		Gravelly Sandy Loam	SC-SM	A-2								
			SM	A-3								
			SP-SM	A-4								
Sb:												
Sassafras	0-9	Fine Sandy Loam	SC-SM	A-2	0	0	85-100	80-100	56-85	32-55	0-28	NP-7
			SM	A-4								
	9-40	Sandy Loam	CL	A-2	0	0	85-100	80-100	50-95	25-75	27-38	12-19
		Sandy Clay Loam	SC	A-6								
		Loam	SC-SM									
	40-70	Gravelly Sandy Loam	SC	A-1	0	0	70-100	50-100	30-70	5-39	0-28	NP-10
		Sand	SC-SM	A-2								
			SM	A-3								
			SP-SM	A-4								
Sc:												
Sassafras	0-9	Fine Sandy Loam	SC-SM	A-2	0	0	85-100	80-100	56-85	32-55	0-28	NP-7
			SM	A-4								
	9-40	Sandy Clay Loam	CL	A-2	0	0	85-100	80-100	50-95	25-75	27-38	12-19
		Loam	SC	A-6								
		Sandy Loam	SC-SM									
	40-70	Sand	SC	A-1	0	0	70-100	50-100	30-70	5-39	0-28	NP-10
		Gravelly Sandy Loam	SC-SM	A-2								
			SM	A-3								
			SP-SM	A-4								
Sd:												

Table H. - Engineering Index Properties - Continued

Fairfax 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	
Sd:												
Steep land	---				---	---	---	---	---	---	---	---
Se:												
Swamp	0-13	Mucky Sandy Loam	CL	A-2-4	0	0	100	100	60-100	30-90	16-28	NP-10
		Mucky Silt Loam	CL-ML	A-4								
			SC									
	13-40	Coarse Sand	CL	A-2-4	0	0	100	100	50-95	5-75	16-28	NP-10
		Loam	CL-ML	A-4								
		Sandy Loam	ML									
			SC									
	40-80	Coarse Sand	CL	A-2-4	0	0	100	100	50-95	5-75	16-28	NP-10
		Loam	CL-ML	A-4								
		Mucky Sandy Loam	ML									
			SC									
Va:												
Very rocky land, acidic	---				---	---	---	---	---	---	---	---
Vb:												
Very rocky land, basic	---				---	---	---	---	---	---	---	---
Wa:												
Wehadkee	0-8	Silt Loam	CL	A-6	0	0	100	98-100	66-100	38-90	21-58	3-28
		Fine Sandy Loam	ML	A-7								
	8-40	Silty Clay Loam	CL	A-6	0	0	100	99-100	85-100	50-95	27-48	12-24
		Sandy Clay Loam		A-7								
		Silt Loam										
		Very Fine Sandy Loam										
	40-50	Sandy Loam	CL	A-2-4	0	0	80-100	75-100	38-100	4-80	0-49	NP-28
		Clay Loam	SC	A-4								
		Sand	SM	A-6								
			SW-SM	A-7-6								

Table H. - Engineering Index Properties - Continued

Fairfax 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	
Wa:												
Wb:												
Wickham	0-9	Loam	CL-ML SC-SM	A-4	0	0	95-100	90-100	76-95	54-75	20-31	4-10
	9-40	Loam Clay Loam Sandy Clay Loam	CL	A-6 A-7-6	0	0	95-100	90-100	76-100	54-80	27-44	12-25
	40-70	Sand Loamy Sand	SC-SM SM SW-SM	A-2 A-2-4	0	0	80-100	75-100	40-75	3-30	0-27	NP-10
Hiwassee	0-7	Loam	CL CL-ML	A-4 A-6 A-7-6	---	0-2	95-100	95-100	81-95	57-75	21-47	6-24
	7-61	Silty Clay Clay Loam Clay	CL	A-7 A-7-6	---	0-2	95-100	95-100	86-100	66-95	42-66	24-43
	61-70	Sandy Clay Loam Loam Sandy Loam	CL ML SC SC-SM SM	A-4 A-6 A-7	0	0-5	90-100	85-100	51-90	26-70	18-44	3-25
Wc:												
Woodstown	0-11	Fine Sandy Loam	CL-ML SC-SM SM	A-2 A-4	0	0	90-100	80-100	56-85	32-55	18-33	2-12
	11-29	Sandy Loam Loam Sandy Clay Loam	CL SC SC-SM	A-2 A-6	0	0	90-100	70-100	42-90	21-60	27-40	12-21
	29-60	Sandy Loam Gravelly Sand	SC-SM SM SP-SM	A-1 A-2	0	0	80-100	70-95	35-66	5-38	16-30	2-12

Table H. - Engineering Index Properties - Continued

Fairfax 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	
Wc:												
Wd:												
Woodstown	0-11	Fine Sandy Loam	CL-ML SC-SM SM	A-2 A-4	0	0	90-100	80-100	56-85	32-55	18-33	2-12
	11-29	Sandy Clay Loam Sandy Loam Loam	CL SC SC-SM	A-2 A-6	0	0	90-100	70-100	42-90	21-60	27-40	12-21
	29-60	Sandy Loam Gravelly Sand	SC-SM SM SP-SM	A-1 A-2	0	0	80-100	70-95	35-66	5-38	16-30	2-12
We:												
Worsham	0-8	Silt Loam Fine Sandy Loam	CL CL-ML SC	A-4 A-6	0	0-5	90-100	85-100	60-100	34-90	22-41	6-17
	8-50	Sandy Clay Sandy Clay Loam Clay	CH CL SC	A-2 A-7	0	0-5	90-100	85-100	68-100	30-95	39-67	21-40
	50-70	Sandy Clay Loam Sandy Loam Clay Loam	CL SC	A-2 A-4 A-6 A-7	0	0-10	90-100	80-95	48-95	24-76	22-54	6-28
ZZ900:												
Mines	---				---	---	---	---	---	---	---	---
ZZ901:												
Urban land	---				---	---	---	---	---	---	---	---