

Table H. - Engineering Index Properties

Middlesex 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	
1: Ackwater	0-6	Silt Loam Fine Sandy Loam Loam	CL-ML ML SC SM	A-4	0	0	95-100	90-100	65-100	35-90	19-26	3-8
	6-23	Silty Clay Silty Clay Loam Clay Loam Clay	CL	A-6 A-7-6	0	0	95-100	90-100	80-100	65-95	34-48	14-25
	23-60	Clay Silty Clay Silty Clay Loam	CH CL	A-7-6	0	0	95-100	90-100	85-100	70-95	44-66	22-39
Slagle	---				---	---	---	---	---	---	---	---
Emporia	---				---	---	---	---	---	---	---	---
Bethera	---				---	---	---	---	---	---	---	---
Daleville	---				---	---	---	---	---	---	---	---

2B:

Table H. - Engineering Index Properties - Continued

Middlesex 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	
2B: Bama	0-12	Loam Sandy Loam	CL-ML ML SC SC-SM	A-4	0	0	97-100	95-100	60-95	30-75	13-27	NP-8
	12-32	Loam Clay Loam	CL CL-ML SC-SM	A-4 A-6	0	0	97-100	95-100	80-100	60-80	23-36	6-13
	32-60	Clay Loam Loam	CL	A-4 A-6	0	0	97-100	95-100	80-100	60-80	25-38	7-14
Emporia	---				---	---	---	---	---	---	---	---
Kempsville	---				---	---	---	---	---	---	---	---
3: Bethera	0-6	Fine Sandy Loam Loam Silt Loam	CL	A-4 A-6	0	0	100	95-100	65-100	40-90	21-30	4-11
	6-34	Clay Silty Clay Loam Silty Clay Sandy Clay Clay Loam	CH CL	A-7-6	0	0	100	98-100	85-100	45-95	44-57	22-32
	34-60	Clay Sandy Clay Loam Sandy Clay	CH CL	A-6 A-7-6	0	0	100	98-100	80-100	35-95	30-57	11-32

Table H. - Engineering Index Properties - Continued

Middlesex 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	
3:												
Daleville	0-9	Silt Loam Fine Sandy Loam Loam	CL-ML ML	A-4	0	0	100	100	70-100	40-90	16-25	2-7
	9-60	Clay Loam Loam Sandy Clay Loam	CL	A-6	0	0	100	100	80-100	35-80	25-38	7-14
Ackwater	---				---	---	---	---	---	---	---	---
Craven	---				---	---	---	---	---	---	---	---
Eunola	---				---	---	---	---	---	---	---	---
Myatt	---				---	---	---	---	---	---	---	---
Slagle	---				---	---	---	---	---	---	---	---
4:												
Catpoint	0-11	Sand Fine Sand Loamy Sand	SC-SM SM SW-SM	A-1-b A-2-4	0	0	85-100	80-100	40-80	4-35	7-16	NP-2
	11-57	Loamy Sand Sand	SC-SM SM SW SW-SM	A-1-b A-2-4 A-3	0	0	85-100	80-100	40-75	4-30	7-16	NP-2
	57-72	Loamy Sand Sand	SC-SM SM SW-SM	A-1-b A-2-4 A-3	0	0-3	85-100	80-100	40-75	4-30	7-16	NP-2
Pactolus	---				---	---	---	---	---	---	---	---
Kenansville	---				---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Middlesex 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	
4:												
Rumford	---				---	---	---	---	---	---	---	---
Nansemond	---				---	---	---	---	---	---	---	---
5A:												
Craven	0-2	Silt Loam Loam Fine Sandy Loam	CL ML SC SM	A-4	0	0	100	95-100	65-100	40-90	13-31	NP-10
	2-28	Sandy Clay Loam Clay Clay Loam	CH CL MH ML	A-7	0	0	100	95-100	75-100	35-95	38-61	14-27
	28-66	Loamy Sand Sandy Loam Sandy Clay Loam	SC SC-SM SM	A-2-4 A-4 A-6	0	0	100	95-100	50-90	15-55	12-38	NP-14
Slagle	---				---	---	---	---	---	---	---	---
Bethera	---				---	---	---	---	---	---	---	---
Daleville	---				---	---	---	---	---	---	---	---
5B:												

Table H. - Engineering Index Properties - Continued

Middlesex 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	
5B: Craven	0-2	Loam Silt Loam Fine Sandy Loam	CL ML SC SM	A-4	0	0	100	95-100	65-100	40-90	13-31	NP-10
	2-28	Clay Clay Loam Sandy Clay Loam	CH CL MH ML	A-7	0	0	100	95-100	75-100	35-95	38-61	14-27
	28-66	Loamy Sand Sandy Loam Sandy Clay Loam	SC SC-SM SM	A-2-4 A-4 A-6	0	0	100	95-100	50-90	15-55	12-38	NP-14
Slagle	---				---	---	---	---	---	---	---	---
Bethera	---				---	---	---	---	---	---	---	---
Daleville	---				---	---	---	---	---	---	---	---

6A:

Table H. - Engineering Index Properties - Continued

Middlesex 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	
6A: Emporia	0-14	Loam Sandy Loam Fine Sandy Loam	ML SM	A-2-4 A-4	0	0-3	90-100	80-100	50-95	25-75	13-23	NP-6
	14-31	Clay Loam Loam Sandy Loam Sandy Clay Loam Fine Sandy Loam	CL SC	A-2-4 A-4 A-6	0	0-3	90-100	80-100	50-100	25-80	23-38	6-14
	31-59	Clay Sandy Clay Sandy Clay Loam Clay Loam	CL SC	A-2-4 A-4 A-6 A-7	0	0-3	90-100	80-100	65-100	30-95	26-43	8-17
	59-66	Sandy Clay Loam Stratified Sandy Loam To Clay	CL ML SC SM	A-2-4 A-4 A-6	0	0-3	90-100	80-100	50-100	25-95	12-43	NP-17
Slagle	---				---	---	---	---	---	---	---	---
Suffolk	---				---	---	---	---	---	---	---	---
Eunola	---				---	---	---	---	---	---	---	---

6B:

Table H. - Engineering Index Properties - Continued

Middlesex 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	
6B: Emporia	0-14	Loam Fine Sandy Loam Sandy Loam	ML SM	A-2-4 A-4	0	0-3	90-100	80-100	50-95	25-75	13-23	NP-6
	14-31	Sandy Clay Loam Sandy Loam Fine Sandy Loam Loam Clay Loam	CL SC	A-2-4 A-4 A-6	0	0-3	90-100	80-100	50-100	25-80	23-38	6-14
	31-59	Sandy Clay Clay Sandy Clay Loam Clay Loam	CL SC	A-2-4 A-4 A-6 A-7	0	0-3	90-100	80-100	65-100	30-95	26-43	8-17
	59-66	Stratified Sandy Loam To Clay Sandy Clay Loam	CL ML SC SM	A-2-4 A-4 A-6	0	0-3	90-100	80-100	50-100	25-95	12-43	NP-17
Kempsville	---				---	---	---	---	---	---	---	---
Slagle	---				---	---	---	---	---	---	---	---
Bama	---				---	---	---	---	---	---	---	---

7D:

Table H. - Engineering Index Properties - Continued

Middlesex 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	
7D: Emporia	0-14	Fine Sandy Loam	ML	A-2-4	0	0-3	90-100	80-100	50-95	25-75	13-23	NP-6
		Sandy Loam	SM	A-4								
		Loam										
	14-31	Sandy Clay Loam	CL	A-2-4	0	0-3	90-100	80-100	50-100	25-80	23-38	6-14
		Sandy Loam	SC	A-4								
		Clay Loam		A-6								
		Fine Sandy Loam										
		Loam										
	31-59	Clay	CL	A-2-4	0	0-3	90-100	80-100	65-100	30-95	26-43	8-17
		Sandy Clay	SC	A-4								
		Clay Loam		A-6								
		Sandy Clay Loam		A-7								
	59-66	Sandy Clay Loam	CL	A-2-4	0	0-3	90-100	80-100	50-100	25-95	12-43	NP-17
		Stratified Sandy Loam To Clay	ML	A-4								
			SC	A-6								
			SM									
Nevarc	0-14	Loam	CL-ML	A-4	0	0	95-100	90-100	55-100	30-90	16-30	2-10
		Sandy Loam	ML									
		Fine Sandy Loam	SC									
		Silt Loam	SM									
	14-51	Sandy Clay	CH	A-6	0	0	95-100	90-100	70-100	30-95	38-56	14-24
		Sandy Clay Loam	CL	A-7								
		Clay	ML									
		Clay Loam										
		Silty Clay										
	51-64	Sandy Clay Loam	CL	A-1	0	0-2	95-100	90-100	45-100	15-95	16-38	2-14
		Stratified Loamy Sand To Clay	ML	A-2-4								
			SC	A-4								
			SM	A-6								
Ackwater	---				---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Middlesex 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	
7D:												
Bama	---				---	---	---	---	---	---	---	---
Kempsville	---				---	---	---	---	---	---	---	---
Slagle	---				---	---	---	---	---	---	---	---
7F:												
Emporia	0-14	Sandy Loam Fine Sandy Loam Loam	ML SM	A-2-4 A-4	0	0-3	90-100	80-100	50-95	25-75	13-23	NP-6
	14-31	Sandy Clay Loam Loam Fine Sandy Loam Clay Loam Sandy Loam	CL SC	A-2-4 A-4 A-6	0	0-3	90-100	80-100	50-100	25-80	23-38	6-14
	31-59	Clay Sandy Clay Clay Loam Sandy Clay Loam	CL SC	A-2-4 A-4 A-6 A-7	0	0-3	90-100	80-100	65-100	30-95	26-43	8-17
	59-66	Stratified Sandy Loam To Clay Sandy Clay Loam	CL ML SC SM	A-2-4 A-4 A-6	0	0-3	90-100	80-100	50-100	25-95	12-43	NP-17

Table H. - Engineering Index Properties - Continued

Middlesex 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	
7F: Nevarc	0-14	Fine Sandy Loam	CL-ML	A-4	0	0	95-100	90-100	55-100	30-90	16-30	2-10
		Loam	ML									
		Silt Loam	SC									
		Sandy Loam	SM									
	14-51	Silty Clay	CH	A-6	0	0	95-100	90-100	70-100	30-95	38-56	14-24
		Sandy Clay Loam	CL	A-7								
		Sandy Clay	ML									
		Clay										
		Clay Loam										
	51-64	Stratified Loamy Sand To Clay	CL	A-1	0	0-2	95-100	90-100	45-100	15-95	16-38	2-14
		Sandy Clay Loam	ML	A-2-4								
			SC	A-4								
			SM	A-6								
Ackwater	---				---	---	---	---	---	---	---	---
Bama	---				---	---	---	---	---	---	---	---
Kempsville	---				---	---	---	---	---	---	---	---
Slagle	---				---	---	---	---	---	---	---	---

8:

Table H. - Engineering Index Properties - Continued

Middlesex 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	
8: Eunola	0-9	Fine Sandy Loam Sandy Loam Loam	ML SM	A-2-4 A-4	0	0	100	98-100	60-95	30-75	16-25	2-7
	9-28	Sandy Clay Loam Clay Loam Fine Sandy Loam Loam	CL SC SC-SM	A-4 A-6	0	0	100	98-100	70-100	35-80	23-38	6-14
	28-41	Sandy Loam Fine Sandy Loam	CL ML SC SM	A-2-4 A-4 A-6	0	0	100	98-100	60-85	30-55	16-38	3-15
	41-60	Sandy Loam Loamy Sand Sand	SM SP-SM	A-2-4 A-3	0	0	100	98-100	50-70	5-40	9-17	NP-2
Nansemond	---				---	---	---	---	---	---	---	---
Kenansville	---				---	---	---	---	---	---	---	---
Myatt	---				---	---	---	---	---	---	---	---
Pactolus	---				---	---	---	---	---	---	---	---

9A:

Table H. - Engineering Index Properties - Continued

Middlesex 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	
9A: Kempsville	0-6	Fine Sandy Loam Sandy Loam	CL-ML ML SC-SM	A-2-4 A-4	0	0-2	95-100	90-100	55-85	30-55	12-20	NP-4
	6-31	Loam Sandy Loam Sandy Clay Loam	CL ML SC SM	A-2-4 A-4	0	0-2	95-100	90-100	55-95	30-75	18-34	3-12
	31-51	Sandy Clay Loam Loam Sandy Loam	CL SC	A-2-4 A-6	0	0-2	95-100	90-100	55-95	30-75	18-38	3-14
	51-62	Sandy Loam Sandy Clay Loam Gravelly Sandy Loam Loamy Sand	SC SC-SM SM	A-1-b A-2-4 A-4 A-6	0	0-3	80-100	70-100	40-90	20-55	12-34	NP-12
Emporia	---				---	---	---	---	---	---	---	---
Suffolk	---				---	---	---	---	---	---	---	---
9B:												

Table H. - Engineering Index Properties - Continued

Middlesex 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	
9B: Kempsville	0-6	Fine Sandy Loam Sandy Loam	CL-ML ML SC-SM	A-2-4 A-4	0	0-2	95-100	90-100	55-85	30-55	12-20	NP-4
	6-31	Loam Sandy Loam Sandy Clay Loam	CL ML SC SM	A-2-4 A-4	0	0-2	95-100	90-100	55-95	30-75	18-34	3-12
	31-51	Sandy Loam Sandy Clay Loam Loam	CL SC	A-2-4 A-6	0	0-2	95-100	90-100	55-95	30-75	18-38	3-14
	51-62	Gravelly Sandy Loam Loamy Sand Sandy Loam Sandy Clay Loam	SC SC-SM SM	A-1-b A-2-4 A-4 A-6	0	0-3	80-100	70-100	40-90	20-55	12-34	NP-12
Emporia	---				---	---	---	---	---	---	---	---
Suffolk	---				---	---	---	---	---	---	---	---
Bama	---				---	---	---	---	---	---	---	---
10: Kenansville	0-26	Fine Sand Loamy Fine Sand Loamy Sand	SC-SM SM	A-2-4	0	0	100	95-100	50-85	15-45	10-16	NP-2
	26-48	Sandy Loam Sandy Clay Loam Fine Sandy Loam	ML SC-SM SM	A-2-4 A-4	0	0	100	95-100	60-90	30-55	12-23	NP-6
	48-60	Fine Sand Loamy Sand Sand	SC-SM SM	A-2-4 A-3	0	0	100	95-100	50-80	5-35	8-16	NP-2

Table H. - Engineering Index Properties - Continued

Middlesex 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	
10:												
Kempsville	---				---	---	---	---	---	---	---	---
Suffolk	---				---	---	---	---	---	---	---	---
Emporia	---				---	---	---	---	---	---	---	---
Eunola	---				---	---	---	---	---	---	---	---
Nansemond	---				---	---	---	---	---	---	---	---
11:												
Kinston	0-10	Fine Sandy Loam Loam	CL CL-ML	A-4	0	0	100	95-100	65-100	40-90	12-31	NP-10
	10-50	Silt Loam Loam Sandy Loam Sandy Clay Loam Clay Loam	ML CL	A-4 A-6	0	0	100	95-100	60-100	30-80	23-38	6-14
	50-60	Clay Loam Sandy Loam Sandy Clay Loam Loam	CL SC-SM	A-2-4 A-4 A-6	0	0	100	95-100	60-100	30-80	16-38	2-14

Table H. - Engineering Index Properties - Continued

Middlesex 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	
11: Bibb	0-32	Loamy Sand Loam Sandy Loam	SC-SM SM	A-2-4 A-4	0	0-3	90-100	85-100	40-70	15-40	9-23	NP-6
	32-40	Loamy Sand Fine Sandy Loam Sand Sandy Loam Loam	CL-ML ML SC-SM SM	A-2-4 A-4	0	0-3	90-100	85-100	40-95	5-75	9-23	NP-6
	40-60	Gravelly Sand Loam Sandy Loam Loamy Sand Sand	SP-SM	A-2-4 A-3 A-4	0	0-5	80-100	70-100	35-95	4-75	9-23	NP-6
Ochlockonee	---				---	---	---	---	---	---	---	---
Pocaty	---				---	---	---	---	---	---	---	---
12: Lumbee	0-7	Loam Sandy Loam Silt Loam Fine Sandy Loam	CL CL-ML ML	A-4	0	0	95-100	90-100	55-100	30-90	16-31	2-10
	7-27	Loam Clay Loam Silt Loam Sandy Clay Loam	CL SC	A-4 A-6	0	0	95-100	90-100	70-100	30-90	23-38	6-14
	27-60	Loamy Sand Sand	SM SP SP-SM	A-2-4 A-3	0	0	95-100	90-100	45-75	4-30	8-16	NP-2
Eunola	---				---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Middlesex 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	
12:												
Myatt	---				---	---	---	---	---	---	---	---
13:												
Myatt	0-11	Loam Fine Sandy Loam	CL-ML ML	A-4	0	0	97-100	95-100	65-95	40-75	16-30	2-10
	11-40	Sandy Clay Loam Loam Clay Loam	CL SC	A-4 A-6	0	0	97-100	95-100	75-100	35-80	23-38	6-14
	40-60	Sandy Loam Loamy Fine Sand Loamy Sand	SC-SM	A-2-4 A-4	0	0	97-100	95-100	50-85	15-45	12-25	NP-7
Nansemond	---				---	---	---	---	---	---	---	---
Eunola	---				---	---	---	---	---	---	---	---
Bibb	---				---	---	---	---	---	---	---	---
Kinston	---				---	---	---	---	---	---	---	---
Pactolus	---				---	---	---	---	---	---	---	---
14:												

Table H. - Engineering Index Properties - Continued

Middlesex 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	
14: Nansemond	0-18	Sandy Loam Loamy Sand Fine Sandy Loam Loamy Fine Sand	SC-SM SM	A-2-4 A-4	0	0	100	95-100	50-85	15-55	11-16	NP-2
	18-28	Sandy Loam Fine Sandy Loam	ML SC-SM SM	A-2-4 A-4	0	0	100	95-100	60-85	30-55	16-23	2-6
	28-44	Loam Fine Sandy Loam Sandy Loam	SC-SM SM	A-2-4 A-4	0	0	100	95-100	60-95	30-75	11-23	NP-6
	44-60	Sandy Loam Loamy Fine Sand Loamy Sand	SC-SM SM	A-2-4 A-4	0	0	100	95-100	50-85	15-45	9-18	NP-3
Ackwater	---				---	---	---	---	---	---	---	---
Eunola	---				---	---	---	---	---	---	---	---
Myatt	---				---	---	---	---	---	---	---	---
15: Ochlockonee	0-7	Fine Sandy Loam Loam Silt Loam Sandy Loam	CL-ML ML	A-4	0	0	100	95-100	60-100	30-90	13-27	NP-8
	7-34	Sandy Loam Loam Silt Loam	ML SM	A-4	0	0	100	95-100	60-100	30-90	14-23	1-6
	34-62	Sandy Loam Loam Silt Loam Sandy Clay Loam	CL ML SC SM	A-2-4 A-4	0	0	100	95-100	60-100	30-90	10-30	NP-10

Table H. - Engineering Index Properties - Continued

Middlesex 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	
15:												
Pactolus	---				---	---	---	---	---	---	---	---
Bibb	---				---	---	---	---	---	---	---	---
Emporia	---				---	---	---	---	---	---	---	---
Kenansville	---				---	---	---	---	---	---	---	---
Kinston	---				---	---	---	---	---	---	---	---
16:												
Pactolus	0-32	Loamy Sand	SC-SM	A-2-4	0	0	100	100	50-85	15-45	9-18	NP-3
		Loamy Fine Sand	SM									
	32-80	Loamy Fine Sand	SC-SM	A-2-4	0	0	100	100	50-85	5-45	9-18	NP-3
		Sand	SM	A-3								
		Fine Sand	SP-SM									
Catpoint	---				---	---	---	---	---	---	---	---
Kenansville	---				---	---	---	---	---	---	---	---
Myatt	---				---	---	---	---	---	---	---	---
Nansemond	---				---	---	---	---	---	---	---	---
Rumford	---				---	---	---	---	---	---	---	---
Suffolk	---				---	---	---	---	---	---	---	---

17:

Table H. - Engineering Index Properties - Continued

Middlesex 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	
17:												
Pocaty	0-6	Muck	PT	A-8	0	0	100	100	---	---	---	---
	6-40	Muck	PT	A-8	0	0	100	100	---	---	---	---
		Mucky Peat										
	40-72	Muck	PT	A-8	0	0	100	100	---	---	---	---
Bibb	---				---	---	---	---	---	---	---	---
Kinston	---				---	---	---	---	---	---	---	---
18A:												
Rumford	0-14	Loamy Sand	SC-SM	A-2-4	0	0	95-100	92-100	45-85	15-55	12-20	NP-4
		Loamy Fine Sand	SM	A-4								
		Fine Sandy Loam										
	14-37	Sandy Clay Loam	SC-SM	A-2-4	0	0	95-100	92-100	55-90	30-55	14-23	1-6
		Sandy Loam	SM	A-4								
		Fine Sandy Loam										
	37-60	Stratified Sand To Fine	SC-SM	A-1-b	0	0	95-100	92-100	45-85	4-55	9-23	NP-6
		Sandy Loam	SM	A-2-4								
		Loamy Fine Sand	SP	A-3								
				A-4								
Kenansville	---				---	---	---	---	---	---	---	---
Suffolk	---				---	---	---	---	---	---	---	---
Catpoint	---				---	---	---	---	---	---	---	---
Eunola	---				---	---	---	---	---	---	---	---
Nansemond	---				---	---	---	---	---	---	---	---

18B:

Table H. - Engineering Index Properties - Continued

Middlesex 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	
18B:												
Rumford	0-14	Loamy Sand	SC-SM	A-2-4	0	0	95-100	92-100	45-85	15-55	12-20	NP-4
		Loamy Fine Sand	SM	A-4								
		Fine Sandy Loam										
	14-37	Sandy Clay Loam	SC-SM	A-2-4	0	0	95-100	92-100	55-90	30-55	14-23	1-6
		Sandy Loam	SM	A-4								
		Fine Sandy Loam										
	37-60	Stratified Sand To Fine Sandy Loam	SC-SM	A-1-b	0	0	95-100	92-100	45-85	4-55	9-23	NP-6
		Loamy Fine Sand	SM	A-2-4								
			SP	A-3								
				A-4								
Catpoint	---				---	---	---	---	---	---	---	---
Kenansville	---				---	---	---	---	---	---	---	---
Suffolk	---				---	---	---	---	---	---	---	---
Eunola	---				---	---	---	---	---	---	---	---
Pactolus	---				---	---	---	---	---	---	---	---
19A:												

Table H. - Engineering Index Properties - Continued

Middlesex 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	
19A: Slagle	0-9	Loam Sandy Loam Silt Loam	CL-ML ML	A-4	0	0-2	90-100	85-100	50-100	25-90	16-31	2-10
	9-24	Clay Loam Loam Sandy Loam	CL CL-ML ML SC SC-SM	A-4 A-6	0	0-2	90-100	85-100	50-100	25-80	18-38	3-14
	24-38	Sandy Clay Loam Clay Loam Loam	CL SC	A-4 A-6 A-7	0	0-2	90-100	85-100	70-100	30-80	23-43	6-17
	38-60	Loam Sandy Clay Loam Clay Loam Clay	CL ML SC SM	A-2-4 A-4 A-6	0	0-5	90-100	85-100	70-100	30-95	16-48	2-20
Emporia	---				---	---	---	---	---	---	---	---
Eunola	---				---	---	---	---	---	---	---	---
19B:												

Table H. - Engineering Index Properties - Continued

Middlesex 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	
19B:												
Slagle	0-9	Silt Loam Sandy Loam Loam	CL-ML ML	A-4	0	0-2	90-100	85-100	50-100	25-90	16-31	2-10
	9-24	Sandy Loam Clay Loam Loam	CL CL-ML ML SC SC-SM	A-4 A-6	0	0-2	90-100	85-100	50-100	25-80	18-38	3-14
	24-38	Clay Loam Loam Sandy Clay Loam	CL SC	A-4 A-6 A-7	0	0-2	90-100	85-100	70-100	30-80	23-43	6-17
	38-60	Sandy Clay Loam Clay Clay Loam Loam	CL ML SC SM	A-2-4 A-4 A-6	0	0-5	90-100	85-100	70-100	30-95	16-48	2-20
Emporia	---				---	---	---	---	---	---	---	---
Eunola	---				---	---	---	---	---	---	---	---
20A:												
Suffolk	0-12	Loamy Sand Sandy Loam Fine Sandy Loam	CL-ML ML SC-SM SM	A-2-4 A-4	0	0	95-100	90-100	45-85	15-55	12-23	NP-6
	12-38	Fine Sandy Loam Sandy Loam Sandy Clay Loam	CL SC	A-2-4 A-4 A-6	0	0	95-100	90-100	55-90	30-55	16-37	2-14
	38-62	Loamy Sand Sand Fine Sand	SC-SM SM SP	A-1-b A-2-4 A-3	0	0	95-100	90-100	45-80	3-35	11-16	NP-2

Table H. - Engineering Index Properties - Continued

Middlesex 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	
20A:												
Rumford	---				---	---	---	---	---	---	---	---
Kempsville	---				---	---	---	---	---	---	---	---
Eunola	---				---	---	---	---	---	---	---	---
20B:												
Suffolk	0-12	Sandy Loam Loamy Sand Fine Sandy Loam	CL-ML ML SC-SM	A-2-4 A-4	0	0	95-100	90-100	45-85	15-55	12-23	NP-6
	12-38	Sandy Loam Sandy Clay Loam Fine Sandy Loam	CL SC	A-2-4 A-4 A-6	0	0	95-100	90-100	55-90	30-55	16-37	2-14
	38-62	Sand Fine Sand Loamy Sand	SC-SM SM SP	A-1-b A-2-4 A-3	0	0	95-100	90-100	45-80	3-35	11-16	NP-2
Rumford	---				---	---	---	---	---	---	---	---
Kempsville	---				---	---	---	---	---	---	---	---
Eunola	---				---	---	---	---	---	---	---	---
21D:												

Table H. - Engineering Index Properties - Continued

Middlesex 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	
21D:												
Suffolk	0-12	Loamy Sand	CL-ML	A-2-4	0	0	95-100	90-100	45-85	15-55	12-23	NP-6
		Sandy Loam	ML	A-4								
		Fine Sandy Loam	SC-SM									
			SM									
	12-38	Fine Sandy Loam	CL	A-2-4	0	0	95-100	90-100	55-90	30-55	16-37	2-14
		Sandy Loam	SC	A-4								
		Sandy Clay Loam		A-6								
	38-62	Loamy Sand	SC-SM	A-1-b	0	0	95-100	90-100	45-80	3-35	11-16	NP-2
		Sand	SM	A-2-4								
		Fine Sand	SP	A-3								
Remlik	0-27	Loamy Fine Sand	SC-SM	A-1-b	0	0	95-100	90-100	45-85	15-45	7-16	NP-2
		Loamy Sand	SM	A-2-4								
		Fine Sand										
	27-38	Sandy Clay Loam	SC	A-2-4	0	0	95-100	90-100	55-90	30-55	14-30	1-10
		Fine Sandy Loam	SC-SM	A-4								
		Sandy Loam	SM									
	38-70	Loamy Fine Sand	SC-SM	A-2-4	0	0	95-100	90-100	45-85	4-45	9-18	NP-3
		Stratified Sand To Loamy	SM	A-3								
		Fine Sand	SP-SM									
Craven	---				---	---	---	---	---	---	---	---
Emporia	---				---	---	---	---	---	---	---	---
Ochlockonee	---				---	---	---	---	---	---	---	---
Bibb	---				---	---	---	---	---	---	---	---
Kinston	---				---	---	---	---	---	---	---	---

21F:

Table H. - Engineering Index Properties - Continued

Middlesex 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	
21F:												
Suffolk	0-12	Fine Sandy Loam	CL-ML	A-2-4	0	0	95-100	90-100	45-85	15-55	12-23	NP-6
		Loamy Sand	ML	A-4								
		Sandy Loam	SC-SM									
			SM									
	12-38	Fine Sandy Loam	CL	A-2-4	0	0	95-100	90-100	55-90	30-55	16-37	2-14
		Sandy Loam	SC	A-4								
		Sandy Clay Loam		A-6								
	38-62	Sand	SC-SM	A-1-b	0	0	95-100	90-100	45-80	3-35	11-16	NP-2
		Fine Sand	SM	A-2-4								
		Loamy Sand	SP	A-3								
Remlik	0-27	Loamy Fine Sand	SC-SM	A-1-b	0	0	95-100	90-100	45-85	15-45	7-16	NP-2
		Fine Sand	SM	A-2-4								
		Loamy Sand										
	27-38	Sandy Loam	SC	A-2-4	0	0	95-100	90-100	55-90	30-55	14-30	1-10
		Fine Sandy Loam	SC-SM	A-4								
		Sandy Clay Loam	SM									
	38-70	Stratified Sand To Loamy	SC-SM	A-2-4	0	0	95-100	90-100	45-85	4-45	9-18	NP-3
		Fine Sand	SM	A-3								
		Loamy Fine Sand	SP-SM									
Craven	---				---	---	---	---	---	---	---	---
Emporia	---				---	---	---	---	---	---	---	---
Ochlockonee	---				---	---	---	---	---	---	---	---
Bibb	---				---	---	---	---	---	---	---	---
Kinston	---				---	---	---	---	---	---	---	---

22B:

Table H. - Engineering Index Properties - Continued

Middlesex 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	
22B:												
Udorthents	---				---	---	---	---	---	---	---	---
Psamments	0-6	Sand	SC-SM	A-2-4	0	0	100	100	50-80	5-35	8-10	NP-3
		Fine Sand	SM	A-3								
	6-60	Fine Sand	SC-SM	A-2-4	0	0	100	100	50-80	5-35	8-10	NP-3
		Sand	SM	A-3								
			SP-SM									
W:												
Water	---				---	---	---	---	---	---	---	---