Table H. - Engineering Index Properties

Carroll 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	
AlB:												
Altavista	0-9	Silt Loam	CL	A-4	0	0	95-100	90-100	65-100	35-90	21-41	6-17
		Loam	CL-ML	A-6								
		Fine Sandy Loam										
	9-37	Clay Loam	CL	A-6	0	0	95-100	90-100	70-100	30-80	27-44	12-25
		Loam	SC	A-7								
		Sandy Clay Loam	SC-SM									
	37-60	Sand	SW-SM	A-1	0	0-8	65-100	55-100	25-70	3-15	0-19	NP-3
		Gravelly Sand										
At:												
Atkins	0-8	Silt Loam	CL	A-4	0	0-2	80-100	70-100	60-100	40-90	29-43	9-17
		Loam	SC	A-6								
		Gravelly Loam										
	8-31	Sandy Clay Loam	CL	A-2	0	0-2	45-100	35-100	30-100	10-95	28-45	12-25
		Silty Clay Loam	GC	A-6								
		Very Gravelly Sandy Clay Loam	SC									
	31-35	Bedrock	---	---	---	---	---	---	---	---	---	---
BoE:												
Bolton	0-9	Loam	CL	A-4	0	0-2	85-100	80-100	55-95	30-75	22-41	6-17
		Fine Sandy Loam	CL-ML	A-6								
	9-48	Gravelly Sandy Clay Loam	CL	A-6	0	0-2	75-100	70-100	55-100	25-95	31-46	13-25
		Clay Loam		A-7								
		Silty Clay Loam										
		Sandy Clay Loam										
	48-60	Gravelly Sandy Clay Loam	CL	A-2	0	0-2	75-100	70-100	55-100	25-95	35-58	17-36
		Clay	SC	A-6								
		Sandy Clay Loam		A-7								
		Silty Clay Loam										

Table H. - Engineering Index Properties - Continued

Carroll 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	
BrC:												
Braddock	0-11	Cobbly Fine Sandy Loam	SC	A-2	0	25-50	85-95	80-90	55-75	30-50	20-33	4-12
			SC-SM	A-4								
	11-27	Clay Loam	CH	A-6	0	8-30	90-100	85-100	70-100	30-95	37-57	21-36
		Sandy Clay Loam	CL	A-7								
		Clay										
		Cobbly Clay Loam										
	27-60	Very Cobbly Clay Loam	CL	A-6	0	55-85	80-95	75-90	70-90	50-70	36-46	19-27
		Extremely Cobbly Clay Loam										
Bu:												
Buncombe	0-5	Loamy Fine Sand	SC-SM	A-2	0	0	98-100	98-100	50-85	15-45	0-26	NP-7
		Loamy Sand		A-4								
	5-40	Sand	SC-SM	A-2	0	0	98-100	98-100	50-85	5-45	0-25	NP-7
		Loamy Fine Sand		A-3								
		Loamy Sand		A-4								
	40-60	Loam	SC-SM	A-1	0	0	60-100	50-100	25-95	2-75	0-24	NP-7
		Gravelly Sand		A-2								
		Loamy Fine Sand		A-3								
				A-4								
Hatboro	---				---	---	---	---	---	---	---	---
CeB:												
Cecil	0-8	Gravelly Fine Sandy Loam	SC-SM	A-2	0	0-2	80-100	70-100	50-85	30-55	12-25	NP-7
		Fine Sandy Loam	SM	A-4								
	8-32	Clay Loam	MH	A-6	0	0-2	90-100	80-100	70-100	55-95	38-61	14-27
		Clay	ML	A-7								
	32-48	Clay Loam	CL	A-4	0	0-2	95-100	90-100	70-100	30-80	25-38	7-14
		Sandy Clay Loam	SC	A-6								
	48-60	Sandy Loam	CL-ML	A-2	0	0-2	90-100	80-100	50-95	25-75	12-30	NP-10
		Loam	SC	A-4								
		Sandy Clay Loam										

Table H. - Engineering Index Properties - Continued

Carroll 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	
CeB:												
CeB2:												
Cecil	0-8	Fine Sandy Loam	SC-SM	A-2	0	0-2	80-100	70-100	50-85	30-55	12-25	NP-7
		Gravelly Fine Sandy Loam	SM	A-4								
	8-32	Clay	MH	A-6	0	0-2	90-100	80-100	70-100	55-95	38-61	14-27
		Clay Loam	ML	A-7								
	32-48	Clay Loam	CL	A-4	0	0-2	95-100	90-100	70-100	30-80	25-38	7-14
		Sandy Clay Loam	SC	A-6								
	48-60	Loam	CL-ML	A-2	0	0-2	90-100	80-100	50-95	25-75	12-30	NP-10
		Sandy Clay Loam	SC	A-4								
		Sandy Loam										
CeC:												
Cecil	0-8	Gravelly Fine Sandy Loam	SC-SM	A-2	0	0-2	80-100	70-100	50-85	30-55	12-25	NP-7
		Fine Sandy Loam	SM	A-4								
	8-32	Clay	MH	A-6	0	0-2	90-100	80-100	70-100	55-95	38-61	14-27
		Clay Loam	ML	A-7								
	32-48	Clay Loam	CL	A-4	0	0-2	95-100	90-100	70-100	30-80	25-38	7-14
		Sandy Clay Loam	SC	A-6								
	48-60	Loam	CL-ML	A-2	0	0-2	90-100	80-100	50-95	25-75	12-30	NP-10
		Sandy Clay Loam	SC	A-4								
		Sandy Loam										
CeC2:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
CeC2:												
Cecil	0-8	Gravelly Fine Sandy Loam	SC-SM	A-2	0	0-2	80-100	70-100	50-85	30-55	12-25	NP-7
		Fine Sandy Loam	SM	A-4								
	8-32	Clay Loam	MH	A-6	0	0-2	90-100	80-100	70-100	55-95	38-61	14-27
		Clay	ML	A-7								
	32-48	Sandy Clay Loam	CL	A-4	0	0-2	95-100	90-100	70-100	30-80	25-38	7-14
		Clay Loam	SC	A-6								
	48-60	Loam	CL-ML	A-2	0	0-2	90-100	80-100	50-95	25-75	12-30	NP-10
		Sandy Clay Loam	SC	A-4								
		Sandy Loam										
CgB:												
Chester	0-7	Cobbly Loam	CL	A-4	0	0-30	85-100	80-100	70-95	50-75	22-41	6-17
		Loam		A-6								
	7-31	Loam	CL	A-6	0	0-2	85-100	80-100	70-100	50-95	27-44	12-25
		Clay Loam		A-7								
		Silty Clay Loam										
	31-60	Loam	CL	A-2	0	0-2	80-100	80-100	50-100	25-90	20-35	6-17
		Silt Loam	SC	A-4								
		Sandy Loam		A-6								
Glenelg	0-7	Loam	CL	A-4	0	0-30	85-100	80-100	70-95	50-75	27-41	9-17
		Cobbly Loam		A-6								
	7-40	Clay Loam	CL	A-6	0	0-2	85-100	80-100	70-100	50-95	27-44	12-25
		Loam		A-7								
		Silty Clay Loam										
	40-60	Loam	CL	A-2	0	0-2	85-100	80-100	50-100	25-90	16-31	2-13
		Silt Loam	CL-ML	A-4								
		Sandy Loam	SC									
CgC:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
CgC:												
Chester	0-7	Loam	CL	A-4	0	0-30	85-100	80-100	70-95	50-75	22-41	6-17
		Cobbly Loam		A-6								
	7-31	Clay Loam	CL	A-6	0	0-2	85-100	80-100	70-100	50-95	27-44	12-25
		Loam		A-7								
		Silty Clay Loam										
	31-60	Loam	CL	A-2	0	0-2	80-100	80-100	50-100	25-90	20-35	6-17
		Sandy Loam	SC	A-4								
		Silt Loam		A-6								
Glenelg	0-7	Loam	CL	A-4	0	0-30	85-100	80-100	70-95	50-75	27-41	9-17
		Cobbly Loam		A-6								
	7-40	Loam	CL	A-6	0	0-2	85-100	80-100	70-100	50-95	27-44	12-25
		Silty Clay Loam		A-7								
		Clay Loam										
	40-60	Loam	CL	A-2	0	0-2	85-100	80-100	50-100	25-90	16-31	2-13
		Silt Loam	CL-ML	A-4								
		Sandy Loam	SC									
CgC2:												
Chester	0-7	Cobbly Loam	CL	A-4	0	0-30	85-100	80-100	70-95	50-75	22-41	6-17
		Loam		A-6								
	7-31	Clay Loam	CL	A-6	0	0-2	85-100	80-100	70-100	50-95	27-44	12-25
		Loam		A-7								
		Silty Clay Loam										
	31-60	Sandy Loam	CL	A-2	0	0-2	80-100	80-100	50-100	25-90	20-35	6-17
		Loam	SC	A-4								
		Silt Loam		A-6								

Table H. - Engineering Index Properties - Continued

Carroll 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	
CgC2:												
Glenelg	0-7	Loam	CL	A-4	0	0-30	85-100	80-100	70-95	50-75	27-41	9-17
		Cobbly Loam		A-6								
	7-40	Silty Clay Loam	CL	A-6	0	0-2	85-100	80-100	70-100	50-95	27-44	12-25
		Clay Loam		A-7								
		Loam										
	40-60	Loam	CL	A-2	0	0-2	85-100	80-100	50-100	25-90	16-31	2-13
		Sandy Loam	CL-ML	A-4								
		Silt Loam	SC									
CgE:												
Chester	0-7	Cobbly Loam	CL	A-4	0	0-30	85-100	80-100	70-95	50-75	22-41	6-17
		Loam		A-6								
	7-31	Loam	CL	A-6	0	0-2	85-100	80-100	70-100	50-95	27-44	12-25
		Silty Clay Loam		A-7								
		Clay Loam										
	31-60	Sandy Loam	CL	A-2	0	0-2	80-100	80-100	50-100	25-90	20-35	6-17
		Loam	SC	A-4								
		Silt Loam		A-6								
Glenelg	0-7	Loam	CL	A-4	0	0-30	85-100	80-100	70-95	50-75	27-41	9-17
		Cobbly Loam		A-6								
	7-40	Loam	CL	A-6	0	0-2	85-100	80-100	70-100	50-95	27-44	12-25
		Clay Loam		A-7								
		Silty Clay Loam										
	40-60	Silt Loam	CL	A-2	0	0-2	85-100	80-100	50-100	25-90	16-31	2-13
		Sandy Loam	CL-ML	A-4								
		Loam	SC									
CgE2:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
CgE2:												
Chester	0-7	Cobbly Loam	CL	A-4	0	0-30	85-100	80-100	70-95	50-75	22-41	6-17
		Loam		A-6								
	7-31	Clay Loam	CL	A-6	0	0-2	85-100	80-100	70-100	50-95	27-44	12-25
		Silty Clay Loam		A-7								
		Loam										
	31-60	Sandy Loam	CL	A-2	0	0-2	80-100	80-100	50-100	25-90	20-35	6-17
		Loam	SC	A-4								
		Silt Loam		A-6								
Glenelg	0-7	Loam	CL	A-4	0	0-30	85-100	80-100	70-95	50-75	27-41	9-17
		Cobbly Loam		A-6								
	7-40	Silty Clay Loam	CL	A-6	0	0-2	85-100	80-100	70-100	50-95	27-44	12-25
		Clay Loam		A-7								
		Loam										
	40-60	Loam	CL	A-2	0	0-2	85-100	80-100	50-100	25-90	16-31	2-13
		Silt Loam	CL-ML	A-4								
		Sandy Loam	SC									
ChB:												
Chester	0-7	Loam	CL	A-4	0	0-30	85-100	80-100	70-95	50-75	22-41	6-17
		Cobbly Loam		A-6								
	7-31	Loam	CL	A-6	0	0-2	85-100	80-100	70-100	50-95	27-44	12-25
		Silty Clay Loam		A-7								
		Clay Loam										
	31-60	Sandy Loam	CL	A-2	0	0-2	80-100	80-100	50-100	25-90	20-35	6-17
		Loam	SC	A-4								
		Silt Loam		A-6								

Table H. - Engineering Index Properties - Continued

Carroll 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	
ChB:												
Glenelg	0-7	Loam	CL	A-4	0	0-15	85-100	80-100	70-95	50-75	27-41	9-17
		Cobbly Loam		A-6								
	7-40	Clay Loam	CL	A-6	0	0-2	85-100	80-100	70-100	50-95	27-44	12-25
		Loam		A-7								
		Silty Clay Loam										
	40-60	Silt Loam	CL	A-2	0	0-2	85-100	80-100	50-100	25-90	16-31	2-13
		Sandy Loam	CL-ML	A-4								
		Loam	SC									
ChB2:												
Chester	0-7	Loam	CL	A-4	0	0-30	85-100	80-100	70-95	50-75	22-41	6-17
		Cobbly Loam		A-6								
	7-31	Loam	CL	A-6	0	0-2	85-100	80-100	70-100	50-95	27-44	12-25
		Silty Clay Loam		A-7								
		Clay Loam										
	31-60	Sandy Loam	CL	A-2	0	0-2	80-100	80-100	50-100	25-90	20-35	6-17
		Loam	SC	A-4								
		Silt Loam		A-6								
Glenelg	0-7	Cobbly Loam	CL	A-4	0	0-15	85-100	80-100	70-95	50-75	27-41	9-17
		Loam		A-6								
	7-40	Silty Clay Loam	CL	A-6	0	0-2	85-100	80-100	70-100	50-95	27-44	12-25
		Clay Loam		A-7								
		Loam										
	40-60	Sandy Loam	CL	A-2	0	0-2	85-100	80-100	50-100	25-90	16-31	2-13
		Loam	CL-ML	A-4								
		Silt Loam	SC									
ChC:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
ChC:												
Chester	0-7	Cobbly Loam	CL	A-4	0	0-30	85-100	80-100	70-95	50-75	22-41	6-17
		Loam		A-6								
	7-31	Clay Loam	CL	A-6	0	0-2	85-100	80-100	70-100	50-95	27-44	12-25
		Loam		A-7								
		Silty Clay Loam										
	31-60	Silt Loam	CL	A-2	0	0-2	80-100	80-100	50-100	25-90	20-35	6-17
		Loam	SC	A-4								
		Sandy Loam		A-6								
Glenelg	0-7	Loam	CL	A-4	0	0-15	85-100	80-100	70-95	50-75	27-41	9-17
		Cobbly Loam		A-6								
	7-40	Clay Loam	CL	A-6	0	0-2	85-100	80-100	70-100	50-95	27-44	12-25
		Silty Clay Loam		A-7								
		Loam										
	40-60	Silt Loam	CL	A-2	0	0-2	85-100	80-100	50-100	25-90	16-31	2-13
		Loam	CL-ML	A-4								
		Sandy Loam	SC									
ChC2:												
Chester	0-7	Cobbly Loam	CL	A-4	0	0-30	85-100	80-100	70-95	50-75	22-41	6-17
		Loam		A-6								
	7-31	Clay Loam	CL	A-6	0	0-2	85-100	80-100	70-100	50-95	27-44	12-25
		Silty Clay Loam		A-7								
		Loam										
	31-60	Sandy Loam	CL	A-2	0	0-2	80-100	80-100	50-100	25-90	20-35	6-17
		Loam	SC	A-4								
		Silt Loam		A-6								

Table H. - Engineering Index Properties - Continued

Carroll 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	
ChC2:												
Glenelg	0-7	Loam	CL	A-4	0	0-15	85-100	80-100	70-95	50-75	27-41	9-17
		Cobbly Loam		A-6								
	7-40	Clay Loam	CL	A-6	0	0-2	85-100	80-100	70-100	50-95	27-44	12-25
		Silty Clay Loam		A-7								
		Loam										
	40-60	Loam	CL	A-2	0	0-2	85-100	80-100	50-100	25-90	16-31	2-13
		Silt Loam	CL-ML	A-4								
		Sandy Loam	SC									
ChE:												
Chester	0-7	Loam	CL	A-4	0	0-30	85-100	80-100	70-95	50-75	22-41	6-17
		Cobbly Loam		A-6								
	7-31	Silty Clay Loam	CL	A-6	0	0-2	85-100	80-100	70-100	50-95	27-44	12-25
		Clay Loam		A-7								
		Loam										
	31-60	Silt Loam	CL	A-2	0	0-2	80-100	80-100	50-100	25-90	20-35	6-17
		Sandy Loam	SC	A-4								
		Loam		A-6								
Glenelg	0-7	Cobbly Loam	CL	A-4	0	0-15	85-100	80-100	70-95	50-75	27-41	9-17
		Loam		A-6								
	7-40	Clay Loam	CL	A-6	0	0-2	85-100	80-100	70-100	50-95	27-44	12-25
		Loam		A-7								
		Silty Clay Loam										
	40-60	Sandy Loam	CL	A-2	0	0-2	85-100	80-100	50-100	25-90	16-31	2-13
		Silt Loam	CL-ML	A-4								
		Loam	SC									
ChE2:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
ChE2:												
Chester	0-7	Loam	CL	A-4	0	0-30	85-100	80-100	70-95	50-75	22-41	6-17
		Cobbly Loam		A-6								
	7-31	Loam	CL	A-6	0	0-2	85-100	80-100	70-100	50-95	27-44	12-25
		Silty Clay Loam		A-7								
		Clay Loam										
	31-60	Loam	CL	A-2	0	0-2	80-100	80-100	50-100	25-90	20-35	6-17
		Silt Loam	SC	A-4								
		Sandy Loam		A-6								
Glenelg	0-7	Loam	CL	A-4	0	0-15	85-100	80-100	70-95	50-75	27-41	9-17
		Cobbly Loam		A-6								
	7-40	Silty Clay Loam	CL	A-6	0	0-2	85-100	80-100	70-100	50-95	27-44	12-25
		Clay Loam		A-7								
		Loam										
	40-60	Sandy Loam	CL	A-2	0	0-2	85-100	80-100	50-100	25-90	16-31	2-13
		Loam	CL-ML	A-4								
		Silt Loam	SC									
ClC:												
Clymer	0-8	Loam	CL	A-4	0	0-2	85-100	80-100	55-95	30-75	27-45	9-18
		Fine Sandy Loam	SC	A-6								
	8-35	Clay Loam	CL	A-6	0	0-2	85-100	80-100	65-100	30-80	27-40	12-21
		Sandy Clay Loam	GC									
			SC									
	35-52	Gravelly Loam	GC	A-1	0	8-20	40-85	30-75	20-70	10-55	20-31	6-13
		Very Gravelly Sandy Loam	SC	A-2								
		Extremely Gravelly Sandy Loam		A-4								
	52-60	Bedrock	---	---	---	---	---	---	---	---	---	---
ClD:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
ClD:												
Clymer	0-8	Loam	CL	A-4	0	0-2	85-100	80-100	55-95	30-75	27-45	9-18
		Fine Sandy Loam	SC	A-6								
	8-35	Clay Loam	CL	A-6	0	0-2	85-100	80-100	65-100	30-80	27-40	12-21
		Sandy Clay Loam	GC									
			SC									
	35-52	Very Gravelly Sandy Loam	GC	A-1	0	8-20	40-85	30-75	20-70	10-55	20-31	6-13
		Extremely Gravelly Sandy Loam	SC	A-2								
				A-4								
		Gravelly Loam										
	52-60	Bedrock	---	---	---	---	---	---	---	---	---	---
Co:												
Codorus	0-14	Silt Loam	CL	A-4	0	0	85-100	80-100	50-100	25-95	29-47	9-21
		Sandy Loam	SC	A-6								
		Silty Clay Loam										
	14-30	Silt Loam	CL	A-6	0	0	85-100	80-100	70-100	50-95	27-44	12-25
		Silty Clay Loam										
		Loam										
	30-60	Sand	SP-SM	A-1	0	0	85-100	80-100	40-75	4-30	0-25	NP-7
		Loamy Sand		A-2								
Hatboro	---				---	---	---	---	---	---	---	---
Toxaway	---				---	---	---	---	---	---	---	---
Cs:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
Cs:												
Codorus	0-14	Silty Clay Loam	CL	A-4	0	0	85-100	80-100	50-100	25-95	29-47	9-21
		Sandy Loam	SC	A-6								
		Silt Loam										
	14-30	Loam	CL	A-6	0	0	85-100	80-100	70-100	50-95	27-44	12-25
		Silt Loam										
		Silty Clay Loam										
	30-60	Loamy Sand	SP-SM	A-1	0	0	85-100	80-100	40-75	4-30	0-25	NP-7
		Sand		A-2								
Hatboro	0-5	Gravelly Silt Loam	CL	A-4	0	0-2	65-100	55-100	50-100	40-90	25-39	6-13
		Silt Loam	ML	A-6								
	5-24	Gravelly Silt Loam	CL	A-6	0	0-5	65-100	55-100	50-100	40-95	27-44	12-25
		Silty Clay Loam										
		Silt Loam										
	24-48	Fine Sandy Loam	CL	A-2	0	0-5	65-100	55-100	35-85	15-55	20-32	6-13
		Gravelly Sandy Loam	SC	A-4								
	48-70	Extremely Gravelly Sand	GP	A-1	0	3-8	25-60	10-50	5-35	0-8	0-18	NP-1
		Gravelly Sand										
Cu:												
Comus	0-10	Fine Sandy Loam	CL	A-2	0	0-3	85-100	80-100	55-100	30-90	18-35	2-12
		Silt Loam	ML	A-4								
			SC-SM	A-6								
			SM									
	10-33	Fine Sandy Loam	CL	A-4	0	0-3	85-100	80-100	55-95	30-75	17-32	2-12
		Loam	GM	A-6								
			ML									
			SC									
	33-60	Extremely Gravelly Sand	SP-SM	A-1	0	3-20	35-65	25-55	12-40	1-15	0-21	NP-4
		Gravelly Loamy Sand										
		Very Gravelly Sand										
Hatboro	---				---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Carroll 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	
Cu:												
CyE:												
Corydon	0-6	Silty Clay Loam	CL	A-6	0	0-2	85-100	80-100	70-100	55-95	35-58	13-28
		Silt Loam		A-7								
	6-20	Silty Clay	CH	A-7	0	0-2	85-100	80-100	70-100	60-95	44-67	25-44
		Clay	CL									
		Silty Clay Loam										
	20-24	Bedrock	---	---	---	---	---	---	---	---	---	---
EdC:												
Edneyville	0-8	Loam	CL	A-2	0	0-2	85-100	80-100	50-95	25-75	18-35	2-12
		Sandy Loam	SC-SM	A-4								
		Fine Sandy Loam	SM	A-6								
	8-30	Sandy Clay Loam	CL	A-2	0	0-2	85-100	80-100	55-90	30-55	20-36	6-17
		Fine Sandy Loam	CL-ML	A-4								
			SC	A-6								
			SC-SM									
	30-60	Sandy Loam	SC	A-2	0	0-2	85-100	80-100	50-85	25-55	16-27	2-10
		Fine Sandy Loam	SC-SM	A-4								
EkC:												
Elioak	0-10	Fine Sandy Loam	ML	A-4	0	0-10	85-100	80-100	72-100	56-90	16-25	NP-3
		Silt Loam										
	10-32	Silty Clay	ML	A-4	0	0-5	85-100	80-100	76-95	68-95	27-49	4-12
		Silty Clay Loam		A-6								
		Clay Loam		A-7								
	32-60	Fine Sandy Loam	ML	A-4	0	0-2	85-100	80-100	72-95	56-90	16-24	NP-3
		Loam										
		Silt Loam										
EkC2:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
EkC2:												
Elioak	0-7	Fine Sandy Loam Silt Loam	ML	A-4	0	0-10	85-100	80-100	72-100	56-90	16-25	NP-3
	7-32	Silty Clay Loam Silty Clay Clay Loam	ML	A-4 A-6 A-7	0	0-5	85-100	80-100	76-95	68-95	27-49	4-12
	32-60	Fine Sandy Loam Loam Silt Loam	ML	A-4	0	0-2	85-100	80-100	72-95	56-90	16-24	NP-3
EkD:												
Elioak	0-10	Silt Loam Fine Sandy Loam	ML	A-4	0	0-10	85-100	80-100	72-100	56-90	16-25	NP-3
	10-32	Silty Clay Clay Loam Silty Clay Loam	ML	A-4 A-6 A-7	0	0-5	85-100	80-100	76-95	68-95	27-49	4-12
	32-60	Loam Silt Loam Fine Sandy Loam	ML	A-4	0	0-2	85-100	80-100	72-95	56-90	16-24	NP-3
EkD2:												
Elioak	0-7	Silt Loam Fine Sandy Loam	ML	A-4	0	0-10	85-100	80-100	72-100	56-90	16-25	NP-3
	7-32	Clay Loam Silty Clay Loam Silty Clay	ML	A-4 A-6 A-7	0	0-5	85-100	80-100	76-95	68-95	27-49	4-12
	32-60	Fine Sandy Loam Loam Silt Loam	ML	A-4	0	0-2	85-100	80-100	72-95	56-90	16-24	NP-3
FcC:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
FcC:												
Fletcher	0-7	Loam	CL	A-4	0	0	90-100	80-100	68-95	48-75	26-39	9-17
				A-6								
	7-31	Silty Clay Loam	CL	A-6	0	0-3	90-100	80-100	72-100	56-95	30-45	15-25
		Silt Loam										
	31-42	Silt Loam	CL	A-6	0	0-3	90-100	80-100	72-100	56-95	24-37	9-17
	42-79	Bedrock	---	---	---	---	---	---	---	---	---	---
FcD:												
Fletcher	0-7	Loam	CL	A-4	0	0	90-100	80-100	68-95	48-75	26-39	9-17
				A-6								
	7-31	Silt Loam	CL	A-6	0	0-3	90-100	80-100	72-100	56-95	30-45	15-25
		Silty Clay Loam										
	31-42	Silt Loam	CL	A-6	0	0-3	90-100	80-100	72-100	56-95	24-37	9-17
	42-79	Bedrock	---	---	---	---	---	---	---	---	---	---
GnC:												
Gilpin	0-8	Silt Loam	CL	A-4	0	0-5	80-100	80-95	70-95	55-85	26-45	9-18
			ML	A-6								
	8-24	Silty Clay Loam	CL	A-2	0	0-25	60-95	55-95	45-95	30-90	27-44	12-25
		Channery Silt Loam	GC	A-6								
		Channery Loam	SC									
	24-52	Very Channery Silty Clay Loam	GC	A-2	0	0-30	25-55	20-50	15-50	10-45	24-44	9-25
			GC-GM	A-4								
		Channery Loam		A-6								
		Extremely Channery Silt Loam										
		Very Channery Silt Loam										
	52-56	Bedrock	---	---	---	---	---	---	---	---	---	---
GnC2:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
GnC2:												
Gilpin	0-8	Silt Loam	CL	A-4	0	0-5	80-100	80-95	70-95	55-85	26-45	9-18
			ML	A-6								
	8-24	Channery Loam	CL	A-2	0	0-25	60-95	55-95	45-95	30-90	27-44	12-25
		Channery Silt Loam	GC	A-6								
		Silty Clay Loam	SC									
	24-52	Very Channery Silt Loam	GC	A-2	0	0-30	25-55	20-50	15-50	10-45	24-44	9-25
		Extremely Channery Silt Loam	GC-GM	A-4								
				A-6								
		Channery Loam										
		Very Channery Silty Clay Loam										
	52-56	Bedrock	---	---	---	---	---	---	---	---	---	---
GnD:												
Gilpin	0-8	Silt Loam	CL	A-4	0	0-5	80-100	80-95	70-95	55-85	26-45	9-18
			ML	A-6								
	8-24	Channery Loam	CL	A-2	0	0-25	60-95	55-95	45-95	30-90	27-44	12-25
		Channery Silt Loam	GC	A-6								
		Silty Clay Loam	SC									
	24-52	Channery Loam	GC	A-2	0	0-30	25-55	20-50	15-50	10-45	24-44	9-25
		Very Channery Silty Clay Loam	GC-GM	A-4								
				A-6								
		Very Channery Silt Loam										
		Extremely Channery Silt Loam										
	52-56	Bedrock	---	---	---	---	---	---	---	---	---	---
Gr:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
Gr:												
Gravelly alluvial land	0-15	Gravelly Loam	SC-SM	A-1	0	0	60-95	50-85	35-85	20-75	22-37	6-13
		Silt Loam	SM	A-2-4								
		Gravelly Fine Sandy Loam										
	15-42	Silty Clay Loam	GC-GM	A-1	0	0	60-95	50-85	35-85	20-80	21-46	6-24
		Gravelly Loam	GM	A-2-4								
		Gravelly Fine Sandy Loam	GP-GM	A-4								
			SC-SM									
			SM									
	42-46	Bedrock	---	---	---	---	---	---	---	---	---	---
Gu:												
Gullied land	---				---	---	---	---	---	---	---	---
Ha:												
Hatboro	0-5	Gravelly Silt Loam	CL	A-4	0	0-2	65-100	55-100	50-100	40-90	25-39	6-13
		Silt Loam	ML	A-6								
	5-24	Silty Clay Loam	CL	A-6	0	0-5	65-100	55-100	50-100	40-95	27-44	12-25
		Silt Loam										
		Gravelly Silt Loam										
	24-48	Gravelly Sandy Loam	CL	A-2	0	0-5	65-100	55-100	35-85	15-55	20-32	6-13
		Fine Sandy Loam	SC	A-4								
	48-70	Extremely Gravelly Sand	GP	A-1	0	3-8	25-60	10-50	5-35	0-8	0-18	NP-1
		Gravelly Sand										
Toxaway	---				---	---	---	---	---	---	---	---
Hb:												

Table H. - Engineering Index Properties - Continued

Carroll 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:												
Hatboro	0-5	Gravelly Silt Loam	CL	A-4	0	0-2	65-100	55-100	50-100	40-90	25-39	6-13
		Silt Loam	ML	A-6								
	5-24	Silty Clay Loam	CL	A-6	0	0-5	65-100	55-100	50-100	40-95	27-44	12-25
		Silt Loam										
		Gravelly Silt Loam										
	24-48	Gravelly Sandy Loam	CL	A-2	0	0-5	65-100	55-100	35-85	15-55	20-32	6-13
		Fine Sandy Loam	SC	A-4								
	48-70	Extremely Gravelly Sand	GP	A-1	0	3-8	25-60	10-50	5-35	0-8	0-18	NP-1
		Gravelly Sand										
Toxaway	0-38	Silt Loam	CL-ML	A-6	0	0	95-100	90-100	85-100	65-90	23-58	4-18
			MH	A-7								
			ML									
	38-60	Gravelly Sandy Loam	SC	A-1	0	5-15	65-100	60-95	30-60	3-14	0-35	1-13
		Gravelly Loamy Sand	SM	A-2								
			SP-SM									
HcC:												
Hayesville	0-6	Cobbly Loam	ML	A-4	---	0-35	90-100	85-100	75-90	55-70	11-25	NP-3
	6-41	Clay	ML	A-4	---	0-5	90-100	85-100	75-90	55-70	27-42	4-9
		Clay Loam										
	41-86	Fine Sandy Loam	SM	A-2	---	0-5	80-100	75-100	45-65	25-35	11-31	NP-5
		Loam										
		Gravelly Sandy Loam										
		Sandy Clay Loam										
HcD2:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
HcD2:												
Hayesville	0-4	Cobbly Loam	ML	A-4	---	0-35	90-100	85-100	75-90	55-70	11-25	NP-3
	4-41	Clay	ML	A-4	---	0-5	90-100	85-100	75-90	55-70	27-42	4-9
		Clay Loam										
	41-86	Gravelly Sandy Loam	SM	A-2	---	0-5	80-100	75-100	45-65	25-35	11-31	NP-5
		Sandy Clay Loam										
		Fine Sandy Loam										
		Loam										
HeB:												
Hayesville	0-6	Loam	ML	A-4	---	0-5	90-100	85-100	75-90	55-70	11-25	NP-3
	6-41	Clay	ML	A-4	---	0-5	90-100	85-100	75-90	55-70	27-42	4-9
		Clay Loam										
	41-86	Fine Sandy Loam	SM	A-2	---	0-5	80-100	75-100	45-65	25-35	11-31	NP-5
		Loam										
		Gravelly Sandy Loam										
		Sandy Clay Loam										
HeB2:												
Hayesville	0-4	Loam	ML	A-4	---	0-5	90-100	85-100	75-90	55-70	11-25	NP-3
	4-41	Clay	ML	A-4	---	0-5	90-100	85-100	75-90	55-70	27-42	4-9
		Clay Loam										
	41-86	Sandy Clay Loam	SM	A-2	---	0-5	80-100	75-100	45-65	25-35	11-31	NP-5
		Fine Sandy Loam										
		Loam										
		Gravelly Sandy Loam										
HeC:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
HeC:												
Hayesville	0-6	Loam	ML	A-4	---	0-5	90-100	85-100	75-90	55-70	11-25	NP-3
	6-41	Clay Loam	ML	A-4	---	0-5	90-100	85-100	75-90	55-70	27-42	4-9
		Clay										
	41-86	Loam	SM	A-2	---	0-5	80-100	75-100	45-65	25-35	11-31	NP-5
		Gravelly Sandy Loam										
		Fine Sandy Loam										
		Sandy Clay Loam										
HeC2:												
Hayesville	0-4	Loam	ML	A-4	---	0-5	90-100	85-100	75-90	55-70	11-25	NP-3
	4-41	Clay	ML	A-4	---	0-5	90-100	85-100	75-90	55-70	27-42	4-9
		Clay Loam										
	41-86	Loam	SM	A-2	---	0-5	80-100	75-100	45-65	25-35	11-31	NP-5
		Fine Sandy Loam										
		Gravelly Sandy Loam										
		Sandy Clay Loam										
HeD:												
Hayesville	0-6	Loam	ML	A-4	---	0-5	90-100	85-100	75-90	55-70	11-25	NP-3
	6-41	Clay	ML	A-4	---	0-5	90-100	85-100	75-90	55-70	27-42	4-9
		Clay Loam										
	41-86	Loam	SM	A-2	---	0-5	80-100	75-100	45-65	25-35	11-31	NP-5
		Gravelly Sandy Loam										
		Sandy Clay Loam										
		Fine Sandy Loam										
HeD2:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
HeD2:												
Hayesville	0-4	Loam	ML	A-4	---	0-5	90-100	85-100	75-90	55-70	11-25	NP-3
	4-41	Clay Loam Clay	ML	A-4	---	0-5	90-100	85-100	75-90	55-70	27-42	4-9
	41-86	Fine Sandy Loam Loam Gravelly Sandy Loam Sandy Clay Loam	SM	A-2	---	0-5	80-100	75-100	45-65	25-35	11-31	NP-5
HmE:												
Hazel	0-11	Channery Silt Loam	CL-ML GC ML	A-4	0	0-5	60-80	55-75	50-70	40-60	18-35	2-13
	11-17	Silt Loam Channery Sandy Loam Very Channery Fine Sandy Loam Channery Silt Loam	CL	A-4	0	0-30	60-95	55-95	50-90	40-80	21-30	6-12
	17-25	Very Channery Silt Loam Channery Loam Channery Fine Sandy Loam	CL	A-4	0	10-30	60-85	55-80	50-75	40-65	21-30	6-12
	25-35	Bedrock	---	---	---	---	---	---	---	---	---	---
HmF:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
HmF:												
Hazel	0-11	Channery Silt Loam	CL-ML GC ML	A-4	0	0-5	60-80	55-75	50-70	40-60	18-35	2-13
	11-17	Channery Silt Loam Channery Sandy Loam Very Channery Fine Sandy Loam Silt Loam	CL	A-4	0	0-30	60-95	55-95	50-90	40-80	21-30	6-12
	17-25	Very Channery Silt Loam Channery Loam Channery Fine Sandy Loam	CL	A-4	0	10-30	60-85	55-80	50-75	40-65	21-30	6-12
	25-35	Bedrock	---	---	---	---	---	---	---	---	---	---
HnC:												
Hazel	0-11	Silt Loam	CL CL-ML ML	A-4	0	0-5	90-100	85-100	80-90	70-80	18-35	2-13
	11-17	Channery Silt Loam Very Channery Fine Sandy Loam Channery Sandy Loam Silt Loam	CL	A-4	0	0-30	60-95	55-95	50-90	40-80	21-30	6-12
	17-25	Very Channery Silt Loam Channery Fine Sandy Loam Channery Loam	CL	A-4	0	10-30	60-85	55-80	50-75	40-65	21-30	6-12
	25-35	Bedrock	---	---	---	---	---	---	---	---	---	---
HnE:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
HnE:												
Hazel	0-11	Silt Loam	CL	A-4	0	0-5	90-100	85-100	80-90	70-80	18-35	2-13
			CL-ML									
			ML									
	11-17	Channery Sandy Loam	CL	A-4	0	0-30	60-95	55-95	50-90	40-80	21-30	6-12
		Channery Silt Loam										
		Silt Loam										
		Very Channery Fine Sandy Loam										
	17-25	Very Channery Silt Loam	CL	A-4	0	10-30	60-85	55-80	50-75	40-65	21-30	6-12
		Channery Loam										
		Channery Fine Sandy Loam										
	25-35	Bedrock	---	---	---	---	---	---	---	---	---	---
HtB:												
Hiwassee	0-9	Loam	ML	A-4	0	0-2	95-100	90-100	80-95	60-75	13-25	NP-2
	9-34	Clay Loam	ML	A-4	0	0-2	95-100	90-100	85-100	80-95	31-49	5-12
		Silty Clay										
		Clay										
	34-60	Clay Loam	GM	A-2	0	0-5	40-85	35-80	32-75	25-60	11-38	NP-8
		Clay	ML	A-4								
		Gravelly Sandy Clay Loam	SC-SM									
		Very Gravelly Clay Loam	SM									
Turbeville	0-8	Fine Sandy Loam	ML	A-4	0	0-2	90-100	90-100	80-95	60-75	16-24	NP-3
		Loam										
	8-36	Gravelly Sandy Clay Loam	ML	A-4	0	0-2	90-100	90-100	85-100	70-80	24-34	3-7
		Clay Loam										
		Loam										
	36-80	Very Gravelly Clay Loam	GM	A-4	0	0-5	45-100	40-100	36-90	28-70	27-49	4-12
		Clay Loam		A-7								
		Gravelly Clay										
		Sandy Clay										

Table H. - Engineering Index Properties - Continued

Carroll 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	
HtC:												
Hiwassee	0-9	Loam	ML	A-4	0	0-2	95-100	90-100	80-95	60-75	13-25	NP-2
	9-34	Silty Clay	ML	A-4	0	0-2	95-100	90-100	85-100	80-95	31-49	5-12
		Clay										
		Clay Loam										
	34-60	Clay	GM	A-2	0	0-5	40-85	35-80	32-75	25-60	11-38	NP-8
		Very Gravelly Clay Loam	ML	A-4								
		Clay Loam	SC-SM									
		Gravelly Sandy Clay Loam	SM									
Turbeville	0-8	Loam	ML	A-4	0	0-2	90-100	90-100	80-95	60-75	16-24	NP-3
		Fine Sandy Loam										
	8-36	Gravelly Sandy Clay Loam	ML	A-4	0	0-2	90-100	90-100	85-100	70-80	24-34	3-7
		Clay Loam										
		Loam										
	36-80	Very Gravelly Clay Loam	GM	A-4	0	0-5	45-100	40-100	36-90	28-70	27-49	4-12
		Gravelly Clay		A-7								
		Sandy Clay										
		Clay Loam										
HtD:												
Hiwassee	0-9	Loam	ML	A-4	0	0-2	95-100	90-100	80-95	60-75	13-25	NP-2
	9-34	Clay Loam	ML	A-4	0	0-2	95-100	90-100	85-100	80-95	31-49	5-12
		Silty Clay										
		Clay										
	34-60	Very Gravelly Clay Loam	GM	A-2	0	0-5	40-85	35-80	32-75	25-60	11-38	NP-8
		Clay Loam	ML	A-4								
		Gravelly Sandy Clay Loam	SC-SM									
		Clay	SM									

Table H. - Engineering Index Properties - Continued

Carroll 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	
HtD:												
Turbeville	0-8	Fine Sandy Loam Loam	ML	A-4	0	0-2	90-100	90-100	80-95	60-75	16-24	NP-3
	8-36	Gravelly Sandy Clay Loam Clay Loam Loam	ML	A-4	0	0-2	90-100	90-100	85-100	70-80	24-34	3-7
	36-80	Very Gravelly Clay Loam Gravelly Clay Sandy Clay Clay Loam	GM	A-4 A-7	0	0-5	45-100	40-100	36-90	28-70	27-49	4-12
HuC:												
Hiwassee	0-9	Cobbly Fine Sandy Loam	SC-SM SM	A-4	0	0-30	90-100	85-100	65-75	40-50	11-20	NP-2
	9-34	Silty Clay Clay Loam Clay	ML	A-4	0	0-2	95-100	90-100	85-100	80-95	31-49	5-12
	34-60	Very Gravelly Clay Loam Clay Clay Loam Gravelly Sandy Clay Loam	GM ML SC-SM SM	A-2 A-4	0	0-5	40-85	35-80	32-75	25-60	11-38	NP-8
Turbeville	0-8	Cobbly Fine Sandy Loam	ML SC-SM SM	A-2 A-4	0	15-30	85-100	80-100	56-85	32-55	11-19	NP-1
	8-36	Loam Clay Loam Gravelly Sandy Clay Loam	ML	A-4	0	0-2	90-100	90-100	85-100	70-80	24-34	3-7
	36-80	Very Gravelly Clay Loam Sandy Clay Gravelly Clay Clay Loam	GM	A-4 A-7	0	0-5	45-100	40-100	36-90	28-70	27-49	4-12
HuD:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
HuD:												
Hiwassee	0-9	Cobbly Fine Sandy Loam	SC-SM	A-4	0	0-30	90-100	85-100	65-75	40-50	11-20	NP-2
			SM									
	9-34	Silty Clay	ML	A-4	0	0-2	95-100	90-100	85-100	80-95	31-49	5-12
		Clay Loam										
		Clay										
	34-60	Clay Loam	GM	A-2	0	0-5	40-85	35-80	32-75	25-60	11-38	NP-8
		Gravelly Sandy Clay Loam	ML	A-4								
		Clay	SC-SM									
		Very Gravelly Clay Loam	SM									
Turbeville	0-8	Cobbly Fine Sandy Loam	ML	A-2	0	15-30	85-100	80-100	56-85	32-55	11-19	NP-1
			SC-SM	A-4								
			SM									
	8-36	Loam	ML	A-4	0	0-2	90-100	90-100	85-100	70-80	24-34	3-7
		Gravelly Sandy Clay Loam										
		Clay Loam										
	36-80	Very Gravelly Clay Loam	GM	A-4	0	0-5	45-100	40-100	36-90	28-70	27-49	4-12
		Gravelly Clay		A-7								
		Sandy Clay										
		Clay Loam										
HvC:												
Hiwassee	0-9	Fine Sandy Loam	SC-SM	A-4	0	0-2	95-100	90-100	70-80	40-50	11-20	NP-2
			SM									
	9-34	Clay Loam	ML	A-4	0	0-2	95-100	90-100	85-100	80-95	31-49	5-12
		Silty Clay										
		Clay										
	34-60	Clay Loam	GM	A-2	0	0-5	40-85	35-80	32-75	25-60	11-38	NP-8
		Gravelly Sandy Clay Loam	ML	A-4								
		Clay	SC-SM									
		Very Gravelly Clay Loam	SM									

Table H. - Engineering Index Properties - Continued

Carroll 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	
HvC:												
Turbeville	0-8	Fine Sandy Loam	ML SC-SM SM	A-4	0	0-2	95-100	90-100	63-85	36-55	8-19	NP-1
	8-36	Loam Gravelly Sandy Clay Loam Clay Loam	ML	A-4	0	0-2	90-100	90-100	85-100	70-80	24-34	3-7
	36-80	Gravelly Clay Very Gravelly Clay Loam Clay Loam Sandy Clay	GM	A-4 A-7	0	0-5	45-100	40-100	36-90	28-70	27-49	4-12
LcE:												
Louisa	0-8	Gravelly Sandy Loam Loam	CL	A-4 A-6	0	0	80-100	75-95	75-85	60-70	22-39	6-17
	8-20	Gravelly Clay Loam Gravelly Sandy Loam Gravelly Loam	SC	A-4 A-6	0	0-5	70-100	65-95	55-85	40-65	23-45	7-25
	20-25	Very Gravelly Sandy Loam Gravelly Loam Very Gravelly Loam	GC SC	A-4 A-6	0	8-40	70-95	60-80	55-75	40-55	21-36	6-17
	25-35	Bedrock	---	---	0	---	---	---	---	---	---	---
LoD:												
Louisburg	0-9	Fine Sandy Loam Gravelly Sandy Loam Sandy Loam	SC-SM SM	A-2	0	0-15	75-100	70-100	45-65	25-35	12-20	NP-4
	9-23	Loam Sandy Loam Cobbly Sandy Loam	SC-SM SM	A-1 A-2	0	0-15	70-100	65-100	40-60	20-30	13-23	NP-6
	23-33	Bedrock	---	---	0	---	---	---	---	---	---	---
LoE:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
LoE:												
Louisburg	0-9	Gravelly Sandy Loam	SC-SM	A-2	0	0-15	75-100	70-100	45-65	25-35	12-20	NP-4
		Sandy Loam	SM									
		Fine Sandy Loam										
	9-23	Loam	SC-SM	A-1	0	0-15	70-100	65-100	40-60	20-30	13-23	NP-6
		Sandy Loam	SM	A-2								
		Cobbly Sandy Loam										
	23-33	Bedrock	---	---	0	---	---	---	---	---	---	---
MaC:												
Madison	0-7	Cobbly Fine Sandy Loam	ML	A-4	0	0-30	85-100	80-100	60-80	40-55	9-20	NP-2
			SM									
	7-29	Clay Loam	ML	A-4	0	0-3	90-100	85-100	80-95	65-75	27-42	4-9
		Clay										
		Sandy Clay										
	29-34	Clay Loam	SM	A-4	0	0-3	90-100	85-100	70-85	35-50	24-31	3-5
		Sandy Clay Loam										
		Loam										
	34-95	Sandy Clay Loam	SM	A-2	0	0-5	85-100	80-100	50-65	30-40	9-20	NP-2
		Sandy Loam		A-4								
		Gravelly Sandy Loam										
		Loam										
MaC2:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
MaC2:												
Madison	0-5	Cobbly Fine Sandy Loam	ML SM	A-4	0	0-30	85-100	80-100	60-80	40-55	9-20	NP-2
	5-29	Sandy Clay Clay Loam Clay	ML	A-4	0	0-3	90-100	85-100	80-95	65-75	27-42	4-9
	29-34	Loam Clay Loam Sandy Clay Loam	SM	A-4	0	0-3	90-100	85-100	70-85	35-50	24-31	3-5
	34-95	Loam Sandy Clay Loam Gravelly Sandy Loam Sandy Loam	SM	A-2 A-4	0	0-5	85-100	80-100	50-65	30-40	9-20	NP-2
MaD:												
Madison	0-7	Cobbly Fine Sandy Loam	ML SM	A-4	0	0-30	85-100	80-100	60-80	40-55	9-20	NP-2
	7-29	Sandy Clay Clay Loam Clay	ML	A-4	0	0-3	90-100	85-100	80-95	65-75	27-42	4-9
	29-34	Sandy Clay Loam Loam Clay Loam	SM	A-4	0	0-3	90-100	85-100	70-85	35-50	24-31	3-5
	34-95	Gravelly Sandy Loam Loam Sandy Loam Sandy Clay Loam	SM	A-2 A-4	0	0-5	85-100	80-100	50-65	30-40	9-20	NP-2
MaD2:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
MaD2:												
Madison	0-5	Cobbly Fine Sandy Loam	ML SM	A-4	0	0-30	85-100	80-100	60-80	40-55	9-20	NP-2
	5-29	Clay Sandy Clay Clay Loam	ML	A-4	0	0-3	90-100	85-100	80-95	65-75	27-42	4-9
	29-34	Loam Clay Loam Sandy Clay Loam	SM	A-4	0	0-3	90-100	85-100	70-85	35-50	24-31	3-5
	34-95	Loam Sandy Clay Loam Gravelly Sandy Loam Sandy Loam	SM	A-2 A-4	0	0-5	85-100	80-100	50-65	30-40	9-20	NP-2
MaE:												
Madison	0-7	Cobbly Fine Sandy Loam	ML SM	A-4	0	0-30	85-100	80-100	60-80	40-55	9-20	NP-2
	7-29	Sandy Clay Clay Loam Clay	ML	A-4	0	0-3	90-100	85-100	80-95	65-75	27-42	4-9
	29-34	Sandy Clay Loam Loam Clay Loam	SM	A-4	0	0-3	90-100	85-100	70-85	35-50	24-31	3-5
	34-95	Sandy Clay Loam Loam Sandy Loam Gravelly Sandy Loam	SM	A-2 A-4	0	0-5	85-100	80-100	50-65	30-40	9-20	NP-2
MdB:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
MdB:												
Madison	0-7	Fine Sandy Loam	ML SM	A-4	0	0-3	90-100	85-100	60-75	35-55	9-20	NP-2
	7-29	Sandy Clay Clay Loam Clay	ML	A-4	0	0-3	90-100	85-100	80-95	65-75	27-42	4-9
	29-34	Loam Sandy Clay Loam Clay Loam	SM	A-4	0	0-3	90-100	85-100	70-85	35-50	24-31	3-5
	34-95	Loam Sandy Loam Gravelly Sandy Loam Sandy Clay Loam	SM	A-2 A-4	0	0-5	85-100	80-100	50-65	30-40	9-20	NP-2
MdB2:												
Madison	0-5	Fine Sandy Loam	ML SM	A-4	0	0-3	90-100	85-100	60-75	35-55	9-20	NP-2
	5-29	Clay Loam Clay Sandy Clay	ML	A-4	0	0-3	90-100	85-100	80-95	65-75	27-42	4-9
	29-34	Sandy Clay Loam Loam Clay Loam	SM	A-4	0	0-3	90-100	85-100	70-85	35-50	24-31	3-5
	34-95	Loam Sandy Loam Gravelly Sandy Loam Sandy Clay Loam	SM	A-2 A-4	0	0-5	85-100	80-100	50-65	30-40	9-20	NP-2
MdC:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
MdC:												
Madison	0-7	Fine Sandy Loam	ML SM	A-4	0	0-3	90-100	85-100	60-75	35-55	9-20	NP-2
	7-29	Sandy Clay Clay Loam Clay	ML	A-4	0	0-3	90-100	85-100	80-95	65-75	27-42	4-9
	29-34	Loam Clay Loam Sandy Clay Loam	SM	A-4	0	0-3	90-100	85-100	70-85	35-50	24-31	3-5
	34-95	Gravelly Sandy Loam Loam Sandy Loam Sandy Clay Loam	SM	A-2 A-4	0	0-5	85-100	80-100	50-65	30-40	9-20	NP-2
MdC2:												
Madison	0-5	Fine Sandy Loam	ML SM	A-4	0	0-3	90-100	85-100	60-75	35-55	9-20	NP-2
	5-29	Clay Loam Clay Sandy Clay	ML	A-4	0	0-3	90-100	85-100	80-95	65-75	27-42	4-9
	29-34	Clay Loam Sandy Clay Loam Loam	SM	A-4	0	0-3	90-100	85-100	70-85	35-50	24-31	3-5
	34-95	Sandy Loam Sandy Clay Loam Loam Gravelly Sandy Loam	SM	A-2 A-4	0	0-5	85-100	80-100	50-65	30-40	9-20	NP-2
MdD:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
MdD:												
Madison	0-7	Fine Sandy Loam	ML SM	A-4	0	0-3	90-100	85-100	60-75	35-55	9-20	NP-2
	7-29	Sandy Clay Clay Loam Clay	ML	A-4	0	0-3	90-100	85-100	80-95	65-75	27-42	4-9
	29-34	Clay Loam Sandy Clay Loam Loam	SM	A-4	0	0-3	90-100	85-100	70-85	35-50	24-31	3-5
	34-95	Sandy Loam Gravelly Sandy Loam Loam Sandy Clay Loam	SM	A-2 A-4	0	0-5	85-100	80-100	50-65	30-40	9-20	NP-2
MdD2:												
Madison	0-5	Fine Sandy Loam	ML SM	A-4	0	0-3	90-100	85-100	60-75	35-55	9-20	NP-2
	5-29	Sandy Clay Clay Loam Clay	ML	A-4	0	0-3	90-100	85-100	80-95	65-75	27-42	4-9
	29-34	Clay Loam Sandy Clay Loam Loam	SM	A-4	0	0-3	90-100	85-100	70-85	35-50	24-31	3-5
	34-95	Sandy Clay Loam Sandy Loam Gravelly Sandy Loam Loam	SM	A-2 A-4	0	0-5	85-100	80-100	50-65	30-40	9-20	NP-2
MdE:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
MdE:												
Madison	0-7	Fine Sandy Loam	ML SM	A-4	0	0-3	90-100	85-100	60-75	35-55	9-20	NP-2
	7-29	Clay Loam Clay Sandy Clay	ML	A-4	0	0-3	90-100	85-100	80-95	65-75	27-42	4-9
	29-34	Loam Clay Loam Sandy Clay Loam	SM	A-4	0	0-3	90-100	85-100	70-85	35-50	24-31	3-5
	34-95	Gravelly Sandy Loam Sandy Clay Loam Loam Sandy Loam	SM	A-2 A-4	0	0-5	85-100	80-100	50-65	30-40	9-20	NP-2
MdE2:												
Madison	0-5	Fine Sandy Loam	ML SM	A-4	0	0-3	90-100	85-100	60-75	35-55	9-20	NP-2
	5-29	Sandy Clay Clay Loam Clay	ML	A-4	0	0-3	90-100	85-100	80-95	65-75	27-42	4-9
	29-34	Sandy Clay Loam Loam Clay Loam	SM	A-4	0	0-3	90-100	85-100	70-85	35-50	24-31	3-5
	34-95	Sandy Clay Loam Sandy Loam Loam Gravelly Sandy Loam	SM	A-2 A-4	0	0-5	85-100	80-100	50-65	30-40	9-20	NP-2
ML:												
Made land	---				---	---	---	---	---	---	---	---
MnC:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
MnC:												
Manor	0-8	Loam	CL	A-4 A-6	0	0	85-100	80-100	70-90	55-70	23-41	6-17
	8-17	Silt Loam Gravelly Loam Loam	CL	A-4 A-6	0	0-10	65-100	60-100	55-85	40-70	21-36	6-17
	17-82	Sandy Loam Loam Very Gravelly Sandy Loam	GC SC-SM SM	A-1 A-2	0	0-5	50-100	45-100	30-60	15-30	16-31	2-13
MnD:												
Manor	0-8	Loam	CL	A-4 A-6	0	0	85-100	80-100	70-90	55-70	23-41	6-17
	8-17	Silt Loam Loam Gravelly Loam	CL	A-4 A-6	0	0-10	65-100	60-100	55-85	40-70	21-36	6-17
	17-82	Loam Very Gravelly Sandy Loam Sandy Loam	GC SC-SM SM	A-1 A-2	0	0-5	50-100	45-100	30-60	15-30	16-31	2-13
MnE:												
Manor	0-8	Loam	CL	A-4 A-6	0	0	85-100	80-100	70-90	55-70	23-41	6-17
	8-17	Silt Loam Gravelly Loam Loam	CL	A-4 A-6	0	0-10	65-100	60-100	55-85	40-70	21-36	6-17
	17-82	Sandy Loam Loam Very Gravelly Sandy Loam	GC SC-SM SM	A-1 A-2	0	0-5	50-100	45-100	30-60	15-30	16-31	2-13
MnF:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
MnF:												
Manor	0-8	Loam	CL	A-4 A-6	0	0	85-100	80-100	70-90	55-70	23-41	6-17
	8-17	Gravelly Loam Silt Loam Loam	CL	A-4 A-6	0	0-10	65-100	60-100	55-85	40-70	21-36	6-17
	17-82	Very Gravelly Sandy Loam Loam Sandy Loam	GC SC-SM SM	A-1 A-2	0	0-5	50-100	45-100	30-60	15-30	16-31	2-13
MoC:												
Manor	0-8	Loam	CL	A-4 A-6	0	0	85-100	80-100	70-90	55-70	23-41	6-17
	8-17	Gravelly Loam Silt Loam Loam	CL	A-4 A-6	0	0-10	65-100	60-100	55-85	40-70	21-36	6-17
	17-82	Loam Very Gravelly Sandy Loam Sandy Loam	GC SC-SM SM	A-1 A-2	0	0-5	50-100	45-100	30-60	15-30	16-31	2-13
MoE:												
Manor	0-8	Loam	CL	A-4 A-6	0	0	85-100	80-100	70-90	55-70	23-41	6-17
	8-17	Silt Loam Loam Gravelly Loam	CL	A-4 A-6	0	0-10	65-100	60-100	55-85	40-70	21-36	6-17
	17-82	Sandy Loam Loam Very Gravelly Sandy Loam	GC SC-SM SM	A-1 A-2	0	0-5	50-100	45-100	30-60	15-30	16-31	2-13
MoF:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
MoF:												
Manor	0-8	Loam	CL	A-4 A-6	0	0	85-100	80-100	70-90	55-70	23-41	6-17
	8-17	Gravelly Loam Silt Loam Loam	CL	A-4 A-6	0	0-10	65-100	60-100	55-85	40-70	21-36	6-17
	17-82	Sandy Loam Loam Very Gravelly Sandy Loam	GC SC-SM SM	A-1 A-2	0	0-5	50-100	45-100	30-60	15-30	16-31	2-13
MrB:												
Myersville	0-7	Gravelly Loam Loam	CL CL-ML ML	A-4	0	0-3	95-100	80-100	70-90	55-70	19-37	2-13
	7-12	Silty Clay Loam Clay Loam Gravelly Clay Loam	CL	A-6	0	0-3	70-100	60-100	55-90	45-75	29-45	12-25
	12-47	Silty Clay Loam Silt Loam Gravelly Silty Clay Loam Very Gravelly Silty Clay Loam	CL CL-ML GC	A-4 A-6	0	0-3	50-95	45-95	44-90	38-85	21-42	6-22
	47-74	Bedrock	---	---	---	---	---	---	---	---	---	---
MrC:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
MrC:												
Myersville	0-7	Gravelly Loam	CL	A-4	0	0-3	95-100	80-100	70-90	55-70	19-37	2-13
		Loam	CL-ML									
			ML									
	7-12	Silty Clay Loam	CL	A-6	0	0-3	70-100	60-100	55-90	45-75	29-45	12-25
		Gravelly Clay Loam										
		Clay Loam										
	12-47	Gravelly Silty Clay Loam	CL	A-4	0	0-3	50-95	45-95	44-90	38-85	21-42	6-22
		Silty Clay Loam	CL-ML	A-6								
		Silt Loam	GC									
		Very Gravelly Silty Clay Loam										
	47-74	Bedrock	---	---	---	---	---	---	---	---	---	---
MrC2:												
Myersville	0-5	Loam	CL	A-4	0	0-3	95-100	80-100	70-90	55-70	19-37	2-13
		Gravelly Loam	CL-ML									
			ML									
	5-12	Gravelly Clay Loam	CL	A-6	0	0-3	70-100	60-100	55-90	45-75	29-45	12-25
		Clay Loam										
		Silty Clay Loam										
	12-47	Silt Loam	CL	A-4	0	0-3	50-95	45-95	44-90	38-85	21-42	6-22
		Silty Clay Loam	CL-ML	A-6								
		Very Gravelly Silty Clay Loam	GC									
		Gravelly Silty Clay Loam										
	47-74	Bedrock	---	---	---	---	---	---	---	---	---	---
MrE:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
MrE:												
Myersville	0-7	Gravelly Loam	CL	A-4	0	0-3	95-100	80-100	70-90	55-70	19-37	2-13
		Loam	CL-ML									
			ML									
	7-12	Gravelly Clay Loam	CL	A-6	0	0-3	70-100	60-100	55-90	45-75	29-45	12-25
		Clay Loam										
		Silty Clay Loam										
	12-47	Silt Loam	CL	A-4	0	0-3	50-95	45-95	44-90	38-85	21-42	6-22
		Very Gravelly Silty Clay Loam	CL-ML	A-6								
			GC									
		Silty Clay Loam										
		Gravelly Silty Clay Loam										
	47-74	Bedrock	---	---	---	---	---	---	---	---	---	---
MrE2:												
Myersville	0-5	Gravelly Loam	CL	A-4	0	0-3	95-100	80-100	70-90	55-70	19-37	2-13
		Loam	CL-ML									
			ML									
	5-12	Clay Loam	CL	A-6	0	0-3	70-100	60-100	55-90	45-75	29-45	12-25
		Silty Clay Loam										
		Gravelly Clay Loam										
	12-47	Gravelly Silty Clay Loam	CL	A-4	0	0-3	50-95	45-95	44-90	38-85	21-42	6-22
		Very Gravelly Silty Clay Loam	CL-ML	A-6								
			GC									
		Silty Clay Loam										
		Silt Loam										
	47-74	Bedrock	---	---	---	---	---	---	---	---	---	---
MsC:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
MsC:												
Myersville	0-7	Gravelly Loam	CL	A-4	0	0-3	95-100	80-100	70-90	55-70	19-37	2-13
		Loam	CL-ML									
			ML									
	7-12	Gravelly Clay Loam	CL	A-6	0	0-3	70-100	60-100	55-90	45-75	29-45	12-25
		Clay Loam										
		Silty Clay Loam										
	12-47	Silt Loam	CL	A-4	0	0-3	50-95	45-95	44-90	38-85	21-42	6-22
		Very Gravelly Silty Clay Loam	CL-ML	A-6								
			GC									
		Silty Clay Loam										
		Gravelly Silty Clay Loam										
	47-74	Bedrock	---	---	---	---	---	---	---	---	---	---
MsE:												
Myersville	0-7	Loam	CL	A-4	0	0-3	95-100	80-100	70-90	55-70	19-37	2-13
		Gravelly Loam	CL-ML									
			ML									
	7-12	Gravelly Clay Loam	CL	A-6	0	0-3	70-100	60-100	55-90	45-75	29-45	12-25
		Clay Loam										
		Silty Clay Loam										
	12-47	Silty Clay Loam	CL	A-4	0	0-3	50-95	45-95	44-90	38-85	21-42	6-22
		Gravelly Silty Clay Loam	CL-ML	A-6								
		Very Gravelly Silty Clay Loam	GC									
		Silt Loam										
	47-74	Bedrock	---	---	---	---	---	---	---	---	---	---
MyC:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
MyC:												
Myersville	0-7	Gravelly Loam	CL	A-4	0	0-3	95-100	80-100	70-90	55-70	19-37	2-13
		Loam	CL-ML									
			ML									
	7-12	Gravelly Clay Loam	CL	A-6	0	0-3	70-100	60-100	55-90	45-75	29-45	12-25
		Clay Loam										
		Silty Clay Loam										
	12-47	Silt Loam	CL	A-4	0	0-3	50-95	45-95	44-90	38-85	21-42	6-22
		Very Gravelly Silty Clay Loam	CL-ML	A-6								
			GC									
		Silty Clay Loam										
		Gravelly Silty Clay Loam										
	47-74	Bedrock	---	---	---	---	---	---	---	---	---	---
MyE:												
Myersville	0-7	Gravelly Loam	CL	A-4	0	0-3	95-100	80-100	70-90	55-70	19-37	2-13
		Loam	CL-ML									
			ML									
	7-12	Clay Loam	CL	A-6	0	0-3	70-100	60-100	55-90	45-75	29-45	12-25
		Silty Clay Loam										
		Gravelly Clay Loam										
	12-47	Gravelly Silty Clay Loam	CL	A-4	0	0-3	50-95	45-95	44-90	38-85	21-42	6-22
		Silt Loam	CL-ML	A-6								
		Silty Clay Loam	GC									
		Very Gravelly Silty Clay Loam										
	47-74	Bedrock	---	---	---	---	---	---	---	---	---	---
PoC:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
PoC:												
Porters	0-9	Loam	CL CL-ML ML	A-4	0	0-5	85-100	80-100	60-85	45-65	16-30	2-10
	9-30	Fine Sandy Loam Sandy Loam Loam Gravelly Sandy Loam	CL-ML ML SC-SM	A-4	0	0-10	85-100	80-100	70-90	50-65	13-25	NP-7
	30-43	Bedrock	---	---	0	---	---	---	---	---	---	---
PoD:												
Porters	0-9	Loam	CL CL-ML ML	A-4	0	0-5	85-100	80-100	60-85	45-65	16-30	2-10
	9-30	Loam Gravelly Sandy Loam Fine Sandy Loam Sandy Loam	CL-ML ML SC-SM	A-4	0	0-10	85-100	80-100	70-90	50-65	13-25	NP-7
	30-43	Bedrock	---	---	0	---	---	---	---	---	---	---
PoE:												
Porters	0-9	Loam	CL CL-ML ML	A-4	0	0-5	85-100	80-100	60-85	45-65	16-30	2-10
	9-30	Gravelly Sandy Loam Fine Sandy Loam Loam Sandy Loam	CL-ML ML SC-SM	A-4	0	0-10	85-100	80-100	70-90	50-65	13-25	NP-7
	30-43	Bedrock	---	---	0	---	---	---	---	---	---	---
PoF:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
PoF:												
Porters	0-9	Loam	CL CL-ML ML	A-4	0	0-5	85-100	80-100	60-85	45-65	16-30	2-10
	9-30	Gravelly Sandy Loam Fine Sandy Loam Sandy Loam Loam	CL-ML ML SC-SM	A-4	0	0-10	85-100	80-100	70-90	50-65	13-25	NP-7
	30-43	Bedrock	---	---	0	---	---	---	---	---	---	---
QU:												
Mines	---				---	---	---	---	---	---	---	---
Quarries	---				---	---	---	---	---	---	---	---
RaC:												
Rabun	0-8	Silt Loam	CL CL-ML ML	A-4	0	0-2	90-100	80-95	75-90	65-80	18-31	3-10
	8-13	Silty Clay Clay Silty Clay Loam Clay Loam	CH CL MH ML	A-6 A-7	0	0-5	90-100	80-100	76-95	68-90	34-61	12-27
	13-42	Silty Clay Loam Clay Loam Clay Silty Clay	CL MH ML	A-6 A-7	0	0-13	90-100	90-100	90-100	85-95	38-79	14-37
	42-60	Clay Loam Gravelly Silt Loam Loam	CL-ML	A-4	0	0-5	70-100	65-95	60-90	55-75	18-38	3-14
RaD:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
RaD:												
Rabun	0-8	Silt Loam	CL CL-ML ML	A-4	0	0-2	90-100	80-95	75-90	65-80	18-31	3-10
	8-13	Silty Clay Loam Silty Clay Clay Clay Loam	CH CL MH ML	A-6 A-7	0	0-5	90-100	80-100	76-95	68-90	34-61	12-27
	13-42	Silty Clay Loam Silty Clay Clay Clay Loam	CL MH ML	A-6 A-7	0	0-13	90-100	90-100	90-100	85-95	38-79	14-37
	42-60	Clay Loam Gravelly Silt Loam Loam	CL-ML	A-4	0	0-5	70-100	65-95	60-90	55-75	18-38	3-14
RaD2:												
Rabun	0-6	Silt Loam	CL CL-ML ML	A-4	0	0-2	90-100	80-95	75-90	65-80	18-31	3-10
	6-13	Silty Clay Loam Silty Clay Clay Clay Loam	CH CL MH ML	A-6 A-7	0	0-5	90-100	80-100	76-95	68-90	34-61	12-27
	13-42	Clay Loam Clay Silty Clay Loam Silty Clay	CL MH ML	A-6 A-7	0	0-13	90-100	90-100	90-100	85-95	38-79	14-37
	42-60	Loam Clay Loam Gravelly Silt Loam	CL-ML	A-4	0	0-5	70-100	65-95	60-90	55-75	18-38	3-14
RaE:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
RaE:												
Rabun	0-8	Silt Loam	CL CL-ML ML	A-4	0	0-2	90-100	80-95	75-90	65-80	18-31	3-10
	8-13	Clay Silty Clay Loam Silty Clay Clay Loam	CH CL MH ML	A-6 A-7	0	0-5	90-100	80-100	76-95	68-90	34-61	12-27
	13-42	Silty Clay Loam Clay Loam Silty Clay Clay	CL MH ML	A-6 A-7	0	0-13	90-100	90-100	90-100	85-95	38-79	14-37
	42-60	Loam Clay Loam Gravelly Silt Loam	CL-ML	A-4	0	0-5	70-100	65-95	60-90	55-75	18-38	3-14
Rg:												
Rock land	---				---	---	---	---	---	---	---	---
Rl:												
Rock land	---				---	---	---	---	---	---	---	---
RmE:												
Ramsey	0-2	Very Stony Loam	ML SC-SM	A-4	3-55	0-10	85-100	80-95	70-85	50-65	14-30	1-5
	2-19	Loam Stony Fine Sandy Loam Sandy Loam	ML SC-SM SM	A-4	0-45	0-10	85-100	80-95	60-75	35-50	14-30	1-5
	19-29	Bedrock	---	---	---	---	---	---	---	---	---	---
RmF:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
RmF:												
Ramsey	0-2	Very Stony Loam	ML SC-SM	A-4	3-55	0-10	85-100	80-95	70-85	50-65	14-30	1-5
	2-19	Stony Fine Sandy Loam Sandy Loam Loam	ML SC-SM SM	A-4	0-45	0-10	85-100	80-95	60-75	35-50	14-30	1-5
	19-29	Bedrock	---	---	---	---	---	---	---	---	---	---
Rr:												
Rock land	---				---	---	---	---	---	---	---	---
ScD:												
Shelocta	0-7	Cobbly Fine Sandy Loam	SC	A-4 A-6	0	0-5	85-100	80-95	60-75	35-45	22-45	6-17
	7-50	Clay Loam Silty Clay Loam Loam Silt Loam Gravelly Silty Clay Loam	CL GC SC	A-6	0	0-10	65-95	60-90	45-85	40-70	30-47	12-24
	50-65	Gravelly Silt Loam Gravelly Silty Clay Loam Very Gravelly Clay Loam	CL GC	A-6	0	0-15	40-80	35-75	25-70	20-55	26-44	10-24
ShB:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
ShB:												
Shelocta	0-7	Fine Sandy Loam	CL-ML	A-4	0	0-5	90-95	85-95	60-75	35-50	22-45	6-17
		Loam	ML	A-6								
			SC									
	7-50	Silty Clay Loam	CL	A-6	0	0-10	65-95	60-90	45-85	40-70	30-47	12-24
		Loam	GC									
		Silt Loam	SC									
		Gravelly Silty Clay Loam										
		Clay Loam										
	50-65	Very Gravelly Clay Loam	CL	A-6	0	0-15	40-80	35-75	25-70	20-55	26-44	10-24
		Gravelly Silt Loam	GC									
		Gravelly Silty Clay Loam										
ShC:												
Shelocta	0-7	Fine Sandy Loam	CL-ML	A-4	0	0-5	90-95	85-95	60-75	35-50	22-45	6-17
		Loam	ML	A-6								
			SC									
	7-50	Silty Clay Loam	CL	A-6	0	0-10	65-95	60-90	45-85	40-70	30-47	12-24
		Gravelly Silty Clay Loam	GC									
		Loam	SC									
		Clay Loam										
		Silt Loam										
	50-65	Gravelly Silty Clay Loam	CL	A-6	0	0-15	40-80	35-75	25-70	20-55	26-44	10-24
		Gravelly Silt Loam	GC									
		Very Gravelly Clay Loam										
ShD:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
ShD:												
Shelocta	0-7	Fine Sandy Loam	CL-ML	A-4	0	0-5	90-95	85-95	60-75	35-50	22-45	6-17
		Loam	ML	A-6								
			SC									
	7-50	Loam	CL	A-6	0	0-10	65-95	60-90	45-85	40-70	30-47	12-24
		Gravelly Silty Clay Loam	GC									
		Silt Loam	SC									
		Silty Clay Loam										
		Clay Loam										
	50-65	Gravelly Silt Loam	CL	A-6	0	0-15	40-80	35-75	25-70	20-55	26-44	10-24
		Gravelly Silty Clay Loam	GC									
		Very Gravelly Clay Loam										
SrB:												
Starr	0-16	Loam	CL	A-6	0	0	90-100	90-100	80-90	60-70	22-39	6-17
			CL-ML									
	16-36	Clay Loam	CL	A-6	0	0	95-100	90-100	85-95	65-75	29-45	12-25
		Silty Clay Loam		A-7								
		Sandy Clay Loam										
	36-60	Clay Loam	SC	A-2	---	0-10	65-100	60-95	40-60	20-35	21-44	6-25
		Sandy Clay Loam	SC-SM									
		Gravelly Sandy Loam										
SrC:												
Starr	0-16	Loam	CL	A-6	0	0	90-100	90-100	80-90	60-70	22-39	6-17
			CL-ML									
	16-36	Silty Clay Loam	CL	A-6	0	0	95-100	90-100	85-95	65-75	29-45	12-25
		Clay Loam		A-7								
		Sandy Clay Loam										
	36-60	Gravelly Sandy Loam	SC	A-2	---	0-10	65-100	60-95	40-60	20-35	21-44	6-25
		Clay Loam	SC-SM									
		Sandy Clay Loam										
SsA:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
SsA:												
State	0-10	Fine Sandy Loam	CL-ML ML SC-SM SM	A-4	0	0	95-100	90-100	65-80	45-55	18-30	2-10
	10-31	Clay Loam Loam Sandy Clay Loam	CL SC	A-6	0	0	95-100	90-100	75-85	35-55	29-45	12-24
	31-60	Loamy Sand	SC-SM SM SP-SM	A-1 A-2	0	0	85-100	80-100	40-70	12-30	0-26	NP-10
SsB:												
State	0-10	Fine Sandy Loam	CL-ML ML SC-SM SM	A-4	0	0	95-100	90-100	65-80	45-55	18-30	2-10
	10-31	Clay Loam Loam Sandy Clay Loam	CL SC	A-6	0	0	95-100	90-100	75-85	35-55	29-45	12-24
	31-60	Loamy Sand	SC-SM SM SP-SM	A-1 A-2	0	0	85-100	80-100	40-70	12-30	0-26	NP-10
St:												
Stony colluvial land	---				---	---	---	---	---	---	---	---
SuC:												
Stony land	---				---	---	---	---	---	---	---	---
SuE:												
Stony land	---				---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Carroll 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	
SuF:												
Stony land	---				---	---	---	---	---	---	---	---
TaC:												
Talladega	0-6	Silt Loam	CL	A-6	0	0-3	75-90	70-85	65-80	55-70	28-41	10-19
		Channery Silt Loam	SC-SM									
	6-12	Very Channery Silty Clay Loam	GC	A-4	0	5-10	50-60	45-55	45-55	35-50	23-45	7-25
		Very Channery Silt Loam		A-6								
		Very Channery Clay Loam										
	12-52	Bedrock	---	---	0	---	---	---	---	---	---	---
TaD:												
Talladega	0-6	Channery Silt Loam	CL	A-6	0	0-3	75-90	70-85	65-80	55-70	28-41	10-19
		Silt Loam	SC-SM									
	6-12	Very Channery Clay Loam	GC	A-4	0	5-10	50-60	45-55	45-55	35-50	23-45	7-25
		Very Channery Silt Loam		A-6								
		Very Channery Silty Clay Loam										
	12-52	Bedrock	---	---	0	---	---	---	---	---	---	---
TaE:												
Talladega	0-6	Channery Silt Loam	CL	A-6	0	0-3	75-90	70-85	65-80	55-70	28-41	10-19
		Silt Loam	SC-SM									
	6-12	Very Channery Silty Clay Loam	GC	A-4	0	5-10	50-60	45-55	45-55	35-50	23-45	7-25
		Very Channery Silt Loam		A-6								
		Very Channery Clay Loam										
	12-52	Bedrock	---	---	0	---	---	---	---	---	---	---

To:

Table H. - Engineering Index Properties - Continued

Carroll 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	
To:												
Toxaway	0-38	Silt Loam	CL-ML MH ML	A-6 A-7	0	0	95-100	90-100	85-100	65-90	23-58	4-18
	38-60	Gravelly Loamy Sand Gravelly Sandy Loam	SC SM SP-SM	A-1 A-2	0	5-15	65-100	60-95	30-60	3-14	0-35	1-13
Hatboro	---				---	---	---	---	---	---	---	---
TsC:												
Tusquitee	0-15	Cobbly Loam	ML	A-4 A-5	0	0-35	90-100	85-100	75-90	55-70	25-47	3-13
	15-48	Sandy Loam Gravelly Loam Clay Loam Fine Sandy Loam	CL SC-SM	A-4 A-6	0	0-15	70-100	65-100	60-95	50-75	18-40	4-21
	48-60	Very Gravelly Loam Gravelly Sandy Loam Gravelly Fine Sandy Loam	GC GC-GM GM SC-SM SM	A-4	0	5-35	55-85	50-80	45-70	35-50	16-31	2-13
TuB:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
TuB:												
Tusquitee	0-15	Loam	ML	A-4 A-5	0	0-10	95-100	90-100	85-90	60-70	25-47	3-13
	15-48	Fine Sandy Loam Sandy Loam Gravelly Loam Clay Loam	CL SC-SM	A-4 A-6	0	0-15	70-100	65-100	60-95	50-75	18-40	4-21
	48-60	Very Gravelly Loam Gravelly Fine Sandy Loam Gravelly Sandy Loam	GC GC-GM GM SC-SM SM	A-4	0	5-35	55-85	50-80	45-70	35-50	16-31	2-13
TuC:												
Tusquitee	0-15	Loam	ML	A-4 A-5	0	0-10	95-100	90-100	85-90	60-70	25-47	3-13
	15-48	Gravelly Loam Clay Loam Fine Sandy Loam Sandy Loam	CL SC-SM	A-4 A-6	0	0-15	70-100	65-100	60-95	50-75	18-40	4-21
	48-60	Gravelly Fine Sandy Loam Gravelly Sandy Loam Very Gravelly Loam	GC GC-GM GM SC-SM SM	A-4	0	5-35	55-85	50-80	45-70	35-50	16-31	2-13
TuD:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
TuD:												
Tusquitee	0-15	Loam	ML	A-4 A-5	0	0-10	95-100	90-100	85-90	60-70	25-47	3-13
	15-48	Clay Loam Fine Sandy Loam Sandy Loam Gravelly Loam	CL SC-SM	A-4 A-6	0	0-15	70-100	65-100	60-95	50-75	18-40	4-21
	48-60	Very Gravelly Loam Gravelly Fine Sandy Loam Gravelly Sandy Loam	GC GC-GM GM SC-SM SM	A-4	0	5-35	55-85	50-80	45-70	35-50	16-31	2-13
TvC:												
Tusquitee	0-15	Loam	ML	A-4 A-5	0	0-10	95-100	90-100	85-90	60-70	25-47	3-13
	15-48	Fine Sandy Loam Clay Loam Gravelly Loam Sandy Loam	CL SC-SM	A-4 A-6	0	0-15	70-100	65-100	60-95	50-75	18-40	4-21
	48-60	Very Gravelly Loam Gravelly Fine Sandy Loam Gravelly Sandy Loam	GC GC-GM GM SC-SM SM	A-4	0	5-35	55-85	50-80	45-70	35-50	16-31	2-13
TvD:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
TvD:												
Tusquitee	0-15	Loam	ML	A-4 A-5	0	0-10	95-100	90-100	85-90	60-70	25-47	3-13
	15-48	Sandy Loam Fine Sandy Loam Clay Loam Gravelly Loam	CL SC-SM	A-4 A-6	0	0-15	70-100	65-100	60-95	50-75	18-40	4-21
	48-60	Gravelly Sandy Loam Very Gravelly Loam Gravelly Fine Sandy Loam	GC GC-GM GM SC-SM SM	A-4	0	5-35	55-85	50-80	45-70	35-50	16-31	2-13
W:												
Water	---				---	---	---	---	---	---	---	---
WaC:												
Watauga	0-7	Cobbly Silt Loam	CL ML SC-SM	A-4	0	0-20	90-100	85-100	80-95	65-85	19-45	2-17
	7-29	Silty Clay Loam Clay Loam Sandy Clay Loam Loam	CL	A-6 A-7	0	0-5	90-100	90-100	86-100	76-95	26-45	10-25
	29-72	Gravelly Loam Sandy Loam Loam Fine Sandy Loam	CL	A-4	0	0-10	90-100	85-100	75-90	60-70	16-31	2-13
WaD:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
WaD:												
Watauga	0-7	Cobbly Silt Loam	CL ML SC-SM	A-4	0	0-20	90-100	85-100	80-95	65-85	19-45	2-17
	7-29	Sandy Clay Loam Loam Clay Loam Silty Clay Loam	CL	A-6 A-7	0	0-5	90-100	90-100	86-100	76-95	26-45	10-25
	29-72	Sandy Loam Loam Gravelly Loam Fine Sandy Loam	CL	A-4	0	0-10	90-100	85-100	75-90	60-70	16-31	2-13
WaE:												
Watauga	0-7	Cobbly Silt Loam	CL ML SC-SM	A-4	0	0-20	90-100	85-100	80-95	65-85	19-45	2-17
	7-29	Loam Clay Loam Sandy Clay Loam Silty Clay Loam	CL	A-6 A-7	0	0-5	90-100	90-100	86-100	76-95	26-45	10-25
	29-72	Loam Gravelly Loam Sandy Loam Fine Sandy Loam	CL	A-4	0	0-10	90-100	85-100	75-90	60-70	16-31	2-13
WgC:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
WgC:												
Watauga	0-7	Silt Loam	CL SC-SM	A-4	0	0-10	90-100	90-98	85-95	75-85	19-45	2-17
	7-29	Silty Clay Loam Sandy Clay Loam Loam Clay Loam	CL	A-6 A-7	0	0-5	90-100	90-100	86-100	76-95	26-45	10-25
	29-72	Gravelly Loam Loam Sandy Loam Fine Sandy Loam	CL	A-4	0	0-10	90-100	85-100	75-90	60-70	16-31	2-13
WgD:												
Watauga	0-7	Silt Loam	CL SC-SM	A-4	0	0-10	90-100	90-98	85-95	75-85	19-45	2-17
	7-29	Silty Clay Loam Sandy Clay Loam Loam Clay Loam	CL	A-6 A-7	0	0-5	90-100	90-100	86-100	76-95	26-45	10-25
	29-72	Gravelly Loam Sandy Loam Loam Fine Sandy Loam	CL	A-4	0	0-10	90-100	85-100	75-90	60-70	16-31	2-13
WgE:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
WgE:												
Watauga	0-7	Silt Loam	CL SC-SM	A-4	0	0-10	90-100	90-98	85-95	75-85	19-45	2-17
	7-29	Silty Clay Loam Sandy Clay Loam Loam Clay Loam	CL	A-6 A-7	0	0-5	90-100	90-100	86-100	76-95	26-45	10-25
	29-72	Sandy Loam Loam Gravelly Loam Fine Sandy Loam	CL	A-4	0	0-10	90-100	85-100	75-90	60-70	16-31	2-13
WhC:												
Weikert	0-6	Channery Silt Loam	CL ML	A-6	0	0-10	65-95	60-90	55-85	50-75	28-45	10-18
	6-22	Channery Loam Extremely Channery Silt Loam Gravelly Loam Very Channery Silt Loam	GC	A-2	0	0-20	20-55	15-50	14-45	10-35	26-38	10-19
	22-32	Bedrock	---	---	---	---	---	---	---	---	---	---
WhD:												
Weikert	0-6	Channery Silt Loam	CL ML	A-6	0	0-10	65-95	60-90	55-85	50-75	28-45	10-18
	6-22	Channery Loam Gravelly Loam Very Channery Silt Loam Extremely Channery Silt Loam	GC	A-2	0	0-20	20-55	15-50	14-45	10-35	26-38	10-19
	22-32	Bedrock	---	---	---	---	---	---	---	---	---	---
WhE:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
WhE:												
Weikert	0-6	Channery Silt Loam	CL ML	A-6	0	0-10	65-95	60-90	55-85	50-75	28-45	10-18
	6-22	Extremely Channery Silt Loam Gravelly Loam Very Channery Silt Loam Channery Loam	GC	A-2	0	0-20	20-55	15-50	14-45	10-35	26-38	10-19
	22-32	Bedrock	---	---	---	---	---	---	---	---	---	---
WkD:												
Weikert	0-6	Very Channery Silt Loam	CL GC ML	A-6	0	0-10	50-95	45-90	40-85	32-65	28-45	10-18
	6-22	Gravelly Loam Extremely Channery Silt Loam Channery Loam Very Channery Silt Loam	GC	A-2	0	0-20	20-55	15-50	14-45	10-35	26-38	10-19
	22-32	Bedrock	---	---	---	---	---	---	---	---	---	---
WkE:												
Weikert	0-6	Very Channery Silt Loam	CL GC ML	A-6	0	0-10	50-95	45-90	40-85	32-65	28-45	10-18
	6-22	Extremely Channery Silt Loam Gravelly Loam Very Channery Silt Loam Channery Loam	GC	A-2	0	0-20	20-55	15-50	14-45	10-35	26-38	10-19
	22-32	Bedrock	---	---	---	---	---	---	---	---	---	---
WkF:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
WkF:												
Weikert	0-6	Very Channery Silt Loam	CL GC ML	A-6	0	0-10	50-95	45-90	40-85	32-65	28-45	10-18
	6-22	Gravelly Loam Very Channery Silt Loam Channery Loam Extremely Channery Silt Loam	GC	A-2	0	0-20	20-55	15-50	14-45	10-35	26-38	10-19
	22-32	Bedrock	---	---	---	---	---	---	---	---	---	---
WmB:												
Wickham	0-10	Loam	CL-ML SC-SM	A-4	0	0	95-100	90-100	80-90	60-70	20-30	4-10
	10-46	Loam Clay Loam Sandy Clay Loam	CL	A-6 A-7-6	0	0	95-100	90-100	85-95	70-80	29-45	12-25
	46-85	Loam Sandy Loam Loamy Sand	SC-SM	A-2	0	0	90-100	90-100	55-70	20-30	21-26	6-10
WmC:												
Wickham	0-10	Loam	CL-ML SC-SM	A-4	0	0	95-100	90-100	80-90	60-70	20-30	4-10
	10-46	Loam Clay Loam Sandy Clay Loam	CL	A-6 A-7-6	0	0	95-100	90-100	85-95	70-80	29-45	12-25
	46-85	Sandy Loam Loam Loamy Sand	SC-SM	A-2	0	0	90-100	90-100	55-70	20-30	21-26	6-10
WsB:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
WsB:												
Wickham	0-10	Fine Sandy Loam	CL-ML SC-SM	A-4	0	0	95-100	90-100	70-80	45-55	20-30	4-10
	10-46	Sandy Clay Loam Clay Loam Loam	CL	A-6 A-7-6	0	0	95-100	90-100	85-95	70-80	29-45	12-25
	46-85	Sandy Loam Loam Loamy Sand	SC-SM	A-2	0	0	90-100	90-100	55-70	20-30	21-26	6-10
WsC:												
Wickham	0-10	Fine Sandy Loam	CL-ML SC-SM	A-4	0	0	95-100	90-100	70-80	45-55	20-30	4-10
	10-46	Clay Loam Loam Sandy Clay Loam	CL	A-6 A-7-6	0	0	95-100	90-100	85-95	70-80	29-45	12-25
	46-85	Sandy Loam Loam Loamy Sand	SC-SM	A-2	0	0	90-100	90-100	55-70	20-30	21-26	6-10
WsC2:												
Wickham	0-6	Fine Sandy Loam	CL-ML SC-SM	A-4	0	0	95-100	90-100	70-80	45-55	20-30	4-10
	6-46	Sandy Clay Loam Loam Clay Loam	CL	A-6 A-7-6	0	0	95-100	90-100	85-95	70-80	29-45	12-25
	46-85	Loamy Sand Sandy Loam Loam	SC-SM	A-2	0	0	90-100	90-100	55-70	20-30	21-26	6-10
WtB:												

Table H. - Engineering Index Properties - Continued

Carroll 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	
WtB:												
Worsham	0-8	Loam	CL CL-ML	A-4 A-6	0	0-5	90-100	90-100	80-90	60-70	23-41	6-17
	8-33	Clay Loam Sandy Clay Loam Clay	CH CL	A-7	0	0-5	90-100	90-100	85-95	65-75	42-66	22-40
	33-57	Sandy Clay Loam Sandy Loam Clay Loam	CL SC	A-6 A-7	0	0-10	85-100	80-100	65-80	35-55	20-50	8-30