Engineering Properties (H)

Alleghany 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*	
1A:												
Alonzville, loam, rarely flooded	0-5	Loam	CL, CL-ML	A-4	0	0	85-100	80-100	65-95	45-75	21-31	6-11
	5-15	Fine sandy loam, Loam, Silt loam	CL, CL-ML, ML	A-2-4, A-4	0	0	85-100	80-100	55-100	30-90	16-31	3-11
	15-55	Clay loam, Loam, Silty clay loam, Silt loam	CL, CL-ML	A-4, A-6	0	0	85-100	80-100	65-100	45-95	23-38	7-15
	55-65	Clay loam, Gravelly loam, Gravelly sandy clay loam	CL, CL-ML, ML, SC, SC-SM, SM	A-1, A-2-4, A-4, A-6	0	0	65-100	55-100	45-100	20-80	16-38	3-15
2A:												
Alonzville, loam, protected	0-5	Loam	CL, CL-ML	A-4	0	0	85-100	80-100	65-95	45-75	21-31	6-11
	5-15	Fine sandy loam, Loam, Silt loam	CL, CL-ML, ML	A-2-4, A-4	0	0	85-100	80-100	55-100	30-90	16-31	3-11
	15-55	Clay loam, Loam, Silty clay loam, Silt loam	CL, CL-ML	A-4, A-6	0	0	85-100	80-100	65-100	45-95	23-38	7-15
	55-65	Clay loam, Gravelly loam, Gravelly sandy clay loam	CL, CL-ML, ML, SC, SC-SM, SM	A-1, A-2-4, A-4, A-6	0	0	65-100	55-100	45-100	20-80	16-38	3-15

Engineering Properties (H)

Alleghany 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*	
3C:												
Alticrest, channery sandy loam, very stony	0-4	Channery sandy loam	SC-SM, SM	A-1, A-2-4	0	0-10	70-85	60-80	35-55	15-35	14-23	2-7
	4-30	Channery fine sandy loam, Channery sandy loam	SC-SM, SM	A-1, A-2-4, A-4	0	0-10	70-85	60-80	35-65	15-45	14-23	2-7
	30-40	Bedrock	---	---	---	---	---	---	---	---	---	---
Dekalb, channery sandy loam, very stony	0-2	Channery sandy loam	SC, SC-SM, SM	A-1, A-2-4	0	10-25	70-90	60-85	35-60	20-35	14-25	NP-8
	2-30	Very channery fine sandy loam, Very channery loam, Very channery sandy loam	SC, SC-SM, SM	A-1, A-2-4, A-4	0	12-25	55-65	35-55	20-55	10-40	14-25	NP-8
	30-40	Bedrock	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
4D:												
Berks, channery silt loam	0-4	Channery silt loam	CL, CL-ML, ML, SC, SC-SM, SM	A-4	0	0-10	65-85	55-75	50-75	40-70	16-30	2-10
	4-11	Channery silty clay loam, Channery silt loam, Very channery silt loam, Extremely channery loam	CL, CL-ML, GC, GC-GM, SC, SC-SM	A-1, A-2-4, A-4, A-6	0	0-15	40-85	20-75	15-75	10-75	16-35	2-14
	11-22	Very channery silty clay loam, Very channery silt loam, Extremely channery loam, Extremely channery silt loam	GC, GC-GM, SC, SC-SM	A-1, A-2-4, A-4, A-6	0	0-15	40-65	20-50	15-50	10-50	16-35	2-14
	22-27	Very channery loam, Very channery silt loam, Extremely channery loam, Extremely channery silt loam	GC, GC-GM, GM, GP-GC, GP-GM, SC, SC-SM, SM	A-1, A-2-4, A-4	0	0-20	30-65	10-50	5-50	5-45	16-30	2-10
	27-37	Bedrock	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
4E:												
Berks, channery silt loam	0-4	Channery silt loam	CL, CL-ML, ML, SC, SC-SM, SM	A-4	0	0-10	65-85	55-75	50-75	40-70	16-30	2-10
	4-11	Channery silty clay loam, Channery silt loam, Very channery silt loam, Extremely channery loam	CL, CL-ML, GC, GC-GM, SC, SC-SM	A-1, A-2-4, A-4, A-6	0	0-15	40-85	20-75	15-75	10-75	16-35	2-14
	11-22	Very channery silty clay loam, Very channery silt loam, Extremely channery loam, Extremely channery silt loam	GC, GC-GM, SC, SC-SM	A-1, A-2-4, A-4, A-6	0	0-15	40-65	20-50	15-50	10-50	16-35	2-14
	22-27	Very channery loam, Very channery silt loam, Extremely channery loam, Extremely channery silt loam	GC, GC-GM, GM, GP-GC, GP-GM, SC, SC-SM, SM	A-1, A-2-4, A-4	0	0-20	30-65	10-50	5-50	5-45	16-30	2-10
	27-37	Bedrock	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
5C:												
Berks, channery silt loam	0-4	Channery silt loam	CL, CL-ML, ML, SC, SC-SM, SM	A-4	0	0-10	65-85	55-75	50-75	40-70	16-30	2-10
	4-11	Channery silty clay loam, Channery silt loam, Very channery silt loam, Extremely channery loam	CL, CL-ML, GC, GC-GM, SC, SC-SM	A-1, A-2-4, A-4, A-6	0	0-15	40-85	20-75	15-75	10-75	16-35	2-14
	11-22	Very channery silty clay loam, Very channery silt loam, Extremely channery loam, Extremely channery silt loam	GC, GC-GM, SC, SC-SM	A-1, A-2-4, A-4, A-6	0	0-15	40-65	20-50	15-50	10-50	16-35	2-14
	22-27	Very channery loam, Very channery silt loam, Extremely channery loam, Extremely channery silt loam	GC, GC-GM, GM, GP-GC, GP-GM, SC, SC-SM, SM	A-1, A-2-4, A-4	0	0-20	30-65	10-50	5-50	5-45	16-30	2-10
	27-37	Bedrock	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
5C:												
Weikert, channery silt loam	0-4	Channery silt loam	CL, CL-ML, SC, SC-SM	A-4	0	0-5	65-80	50-75	45-75	35-70	16-31	2-11
	4-16	Very channery loam, Very channery silt loam	GC, GC-GM, SC, SC-SM	A-2-4, A-4	0	0-10	45-60	30-50	25-50	15-45	16-31	2-11
	16-26	Bedrock	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
6F:												
Berks, channery silt loam	0-4	Channery silt loam	CL, CL-ML, ML, SC, SC-SM, SM	A-4	0	0-10	65-85	55-75	50-75	40-70	16-30	2-10
	4-11	Channery silty clay loam, Channery silt loam, Very channery silt loam, Extremely channery loam	CL, CL-ML, GC, GC-GM, SC, SC-SM	A-1, A-2-4, A-4, A-6	0	0-15	40-85	20-75	15-75	10-75	16-35	2-14
	11-22	Very channery silty clay loam, Very channery silt loam, Extremely channery loam, Extremely channery silt loam	GC, GC-GM, SC, SC-SM	A-1, A-2-4, A-4, A-6	0	0-15	40-65	20-50	15-50	10-50	16-35	2-14
	22-27	Very channery loam, Very channery silt loam, Extremely channery loam, Extremely channery silt loam	GC, GC-GM, GM, GP-GC, GP-GM, SC, SC-SM, SM	A-1, A-2-4, A-4	0	0-20	30-65	10-50	5-50	5-45	16-30	2-10
	27-37	Bedrock	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
6F:												
Weikert, channery silt loam	0-4	Channery silt loam	CL, CL-ML, SC, SC-SM	A-4	0	0-5	65-80	50-75	45-75	35-70	16-31	2-11
	4-16	Very channery loam, Very channery silt loam	GC, GC-GM, SC, SC-SM	A-2-4, A-4	0	0-10	45-60	30-50	25-50	15-45	16-31	2-11
	16-26	Bedrock	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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:												
Berks, channery silt loam, very stony	0-4	Channery silt loam	CL, CL-ML, ML, SC, SC-SM, SM	A-4	0	0-10	65-85	55-75	50-75	40-70	16-30	2-10
	4-11	Channery silty clay loam, Channery silt loam, Very channery silt loam, Extremely channery loam	CL, CL-ML, GC, GC-GM, SC, SC-SM	A-1, A-2-4, A-4, A-6	0	0-15	40-85	20-75	15-75	10-75	16-35	2-14
	11-22	Very channery silty clay loam, Very channery silt loam, Extremely channery loam, Extremely channery silt loam	GC, GC-GM, SC, SC-SM	A-1, A-2-4, A-4, A-6	0	0-15	40-65	20-50	15-50	10-50	16-35	2-14
	22-27	Very channery loam, Very channery silt loam, Extremely channery loam, Extremely channery silt loam	GC, GC-GM, GM, GP-GC, GP-GM, SC, SC-SM, SM	A-1, A-2-4, A-4	0	0-20	30-65	10-50	5-50	5-45	16-30	2-10
	27-37	Bedrock	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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:												
Weikert, channery silt loam, very stony	0-4	Channery silt loam	CL, CL-ML, SC, SC-SM	A-4	0	0-5	65-80	50-75	45-75	35-70	16-31	2-11
	4-16	Very channery loam, Very channery silt loam	GC, GC-GM, SC, SC-SM	A-2-4, A-4	0	0-10	45-60	30-50	25-50	15-45	16-31	2-11
	16-26	Bedrock	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
7E:												
Berks, channery silt loam, very stony	0-4	Channery silt loam	CL, CL-ML, ML, SC, SC-SM, SM	A-4	0	0-10	65-85	55-75	50-75	40-70	16-30	2-10
	4-11	Channery silty clay loam, Channery silt loam, Very channery silt loam, Extremely channery loam	CL, CL-ML, GC, GC-GM, SC, SC-SM	A-1, A-2-4, A-4, A-6	0	0-15	40-85	20-75	15-75	10-75	16-35	2-14
	11-22	Very channery silty clay loam, Very channery silt loam, Extremely channery loam, Extremely channery silt loam	GC, GC-GM, SC, SC-SM	A-1, A-2-4, A-4, A-6	0	0-15	40-65	20-50	15-50	10-50	16-35	2-14
	22-27	Very channery loam, Very channery silt loam, Extremely channery loam, Extremely channery silt loam	GC, GC-GM, GM, GP-GC, GP-GM, SC, SC-SM, SM	A-1, A-2-4, A-4	0	0-20	30-65	10-50	5-50	5-45	16-30	2-10
	27-37	Bedrock	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
7E:												
Weikert, channery silt loam, very stony	0-4	Channery silt loam	CL, CL-ML, SC, SC-SM	A-4	0	0-5	65-80	50-75	45-75	35-70	16-31	2-11
	4-16	Very channery loam, Very channery silt loam	GC, GC-GM, SC, SC-SM	A-2-4, A-4	0	0-10	45-60	30-50	25-50	15-45	16-31	2-11
	16-26	Bedrock	---	---	---	---	---	---	---	---	---	---
8E:												
Caneyville, silt loam, very rocky	0-10	Silt loam	CL	A-4, A-6	0	0-3	90-100	85-100	75-100	60-90	21-35	4-15
	10-16	Clay, Silty clay, Silty clay loam	CH, CL	A-7-6	0	0-3	85-100	80-100	70-100	60-95	44-66	22-39
	16-29	Clay, Silty clay	CH	A-7-6	0	0-8	85-100	80-100	75-100	60-95	48-66	25-39
	29-39	Bedrock	---	---	---	---	---	---	---	---	---	---
8F:												
Caneyville, silt loam, very rocky	0-10	Silt loam	CL	A-4, A-6	0	0-3	90-100	85-100	75-100	60-90	21-35	4-15
	10-16	Clay, Silty clay, Silty clay loam	CH, CL	A-7-6	0	0-3	85-100	80-100	70-100	60-95	44-66	22-39
	16-29	Clay, Silty clay	CH	A-7-6	0	0-8	85-100	80-100	75-100	60-95	48-66	25-39
	29-39	Bedrock	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
9D:												
Caneyville, silt loam, karst, very rocky	0-10	Silt loam	CL	A-4, A-6	0	0-3	90-100	85-100	75-100	60-90	21-35	4-15
	10-16	Clay, Silty clay, Silty clay loam	CH, CL	A-7-6	0	0-3	85-100	80-100	70-100	60-95	44-66	22-39
	16-29	Clay, Silty clay	CH	A-7-6	0	0-8	85-100	80-100	75-100	60-95	48-66	25-39
	29-39	Bedrock	---	---	---	---	---	---	---	---	---	---
10C:												
Caneyville, silt loam, karst	0-10	Silt loam	CL	A-4, A-6	0	0-3	90-100	85-100	75-100	60-90	21-35	4-15
	10-16	Clay, Silty clay, Silty clay loam	CH, CL	A-7-6	0	0-3	85-100	80-100	70-100	60-95	44-66	22-39
	16-29	Clay, Silty clay	CH	A-7-6	0	0-8	85-100	80-100	75-100	60-95	48-66	25-39
	29-39	Bedrock	---	---	---	---	---	---	---	---	---	---
Frederick, silt loam, karst	0-3	Silt loam	CL, CL-ML	A-4	0	0-3	85-100	80-100	70-100	60-90	19-31	5-11
	3-8	Gravelly silty clay loam, Loam, Silty clay loam, Silt loam	CL, CL-ML, SC, SC-SM	A-2-4, A-4, A-6	0	0-13	60-100	45-100	40-100	30-95	21-43	6-18
	8-20	Clay, Gravelly silty clay loam, Silty clay, Silty clay loam	CH, CL, MH, SC, SM	A-6, A-7	0	0-7	65-100	55-100	50-100	40-95	39-61	16-28
	20-72	Clay, Gravelly clay, Silty clay	CH, CL, MH, SC, SM	A-7	0	0-7	65-100	55-100	50-100	40-95	43-79	17-38

Engineering Properties (H)

Alleghany 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*	
10D:												
Caneyville, silt loam, karst	0-10	Silt loam	CL	A-4, A-6	0	0-3	90-100	85-100	75-100	60-90	21-35	4-15
	10-16	Clay, Silty clay, Silty clay loam	CH, CL	A-7-6	0	0-3	85-100	80-100	70-100	60-95	44-66	22-39
	16-29	Clay, Silty clay	CH	A-7-6	0	0-8	85-100	80-100	75-100	60-95	48-66	25-39
	29-39	Bedrock	---	---	---	---	---	---	---	---	---	---
Frederick, silt loam, karst	0-3	Silt loam	CL, CL-ML	A-4	0	0-3	85-100	80-100	70-100	60-90	19-31	5-11
	3-8	Gravelly silty clay loam, Loam, Silty clay loam, Silt loam	CL, CL-ML, SC, SC-SM	A-2-4, A-4, A-6	0	0-13	60-100	45-100	40-100	30-95	21-43	6-18
	8-20	Clay, Gravelly silty clay loam, Silty clay, Silty clay loam	CH, CL, MH, SC, SM	A-6, A-7	0	0-7	65-100	55-100	50-100	40-95	39-61	16-28
	20-72	Clay, Gravelly clay, Silty clay	CH, CL, MH, SC, SM	A-7	0	0-7	65-100	55-100	50-100	40-95	43-79	17-38
10E:												
Caneyville, silt loam, karst	0-10	Silt loam	CL	A-4, A-6	0	0-3	90-100	85-100	75-100	60-90	21-35	4-15
	10-16	Clay, Silty clay, Silty clay loam	CH, CL	A-7-6	0	0-3	85-100	80-100	70-100	60-95	44-66	22-39
	16-29	Clay, Silty clay	CH	A-7-6	0	0-8	85-100	80-100	75-100	60-95	48-66	25-39
	29-39	Bedrock	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
10E:												
Frederick, silt loam, karst	0-3	Silt loam	CL, CL-ML	A-4	0	0-3	85-100	80-100	70-100	60-90	19-31	5-11
	3-8	Gravelly silty clay loam, Loam, Silty clay loam, Silt loam	CL, CL-ML, SC, SC-SM	A-2-4, A-4, A-6	0	0-13	60-100	45-100	40-100	30-95	21-43	6-18
	8-20	Clay, Gravelly silty clay loam, Silty clay, Silty clay loam	CH, CL, MH, SC, SM	A-6, A-7	0	0-7	65-100	55-100	50-100	40-95	39-61	16-28
	20-72	Clay, Gravelly clay, Silty clay	CH, CL, MH, SC, SM	A-7	0	0-7	65-100	55-100	50-100	40-95	43-79	17-38
11B:												
Cottonbend, silt loam	0-8	Silt loam	CL, CL-ML, ML	A-4	0	0	80-100	75-100	70-100	55-90	16-31	3-11
	8-17	Fine sandy loam, Loam, Silt loam	CL, CL-ML, ML, SC, SC-SM, SM	A-4	0	0-5	85-100	80-100	55-100	30-90	16-31	3-11
	17-52	Loam, Sandy clay loam, Silty clay loam	CL, CL-ML, SC, SC-SM	A-2-4, A-4, A-6	0	0-5	85-100	80-100	65-100	30-95	23-39	7-16
	52-72	Clay, Gravelly loam, Very gravelly sandy clay loam	CL, CL-ML, SC, SC-SM	A-2-4, A-4, A-6, A-7-6	0	0-15	65-100	55-100	45-100	20-95	23-52	7-23

Engineering Properties (H)

Alleghany 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*	
11B:												
Purdy	---	---	---	---	---	---	---	---	---	---	---	---
11C:												
Cottonbend, silt loam	0-8	Silt loam	CL, CL-ML, ML	A-4	0	0	80-100	75-100	70-100	55-90	16-31	3-11
	8-17	Fine sandy loam, Loam, Silt loam	CL, CL-ML, ML, SC, SC-SM, SM	A-4	0	0-5	85-100	80-100	55-100	30-90	16-31	3-11
	17-52	Loam, Sandy clay loam, Silty clay loam	CL, CL-ML, SC, SC-SM	A-2-4, A-4, A-6	0	0-5	85-100	80-100	65-100	30-95	23-39	7-16
	52-72	Clay, Gravelly loam, Very gravelly sandy clay loam	CL, CL-ML, SC, SC-SM	A-2-4, A-4, A-6, A-7-6	0	0-15	65-100	55-100	45-100	20-95	23-52	7-23
Purdy	---	---	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
12B:												
Cottonbend, silt loam	0-8	Silt loam	CL, CL-ML, ML	A-4	0	0	80-100	75-100	70-100	55-90	16-31	3-11
	8-17	Fine sandy loam, Loam, Silt loam	CL, CL-ML, ML, SC, SC-SM, SM	A-4	0	0-5	85-100	80-100	55-100	30-90	16-31	3-11
	17-52	Loam, Sandy clay loam, Silty clay loam	CL, CL-ML, SC, SC-SM	A-2-4, A-4, A-6	0	0-5	85-100	80-100	65-100	30-95	23-39	7-16
	52-72	Clay, Gravelly loam, Very gravelly sandy clay loam	CL, CL-ML, SC, SC-SM	A-2-4, A-4, A-6, A-7-6	0	0-15	65-100	55-100	45-100	20-95	23-52	7-23
Urban land	0-6	Variable	---	---	---	---	---	---	---	---	0-14	---
Purdy	---	---	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
12C:												
Cottonbend, silt loam	0-8	Silt loam	CL, CL-ML, ML	A-4	0	0	80-100	75-100	70-100	55-90	16-31	3-11
	8-17	Fine sandy loam, Loam, Silt loam	CL, CL-ML, ML, SC, SC-SM, SM	A-4	0	0-5	85-100	80-100	55-100	30-90	16-31	3-11
	17-52	Loam, Sandy clay loam, Silty clay loam	CL, CL-ML, SC, SC-SM	A-2-4, A-4, A-6	0	0-5	85-100	80-100	65-100	30-95	23-39	7-16
	52-72	Clay, Gravelly loam, Very gravelly sandy clay loam	CL, CL-ML, SC, SC-SM	A-2-4, A-4, A-6, A-7-6	0	0-15	65-100	55-100	45-100	20-95	23-52	7-23
Urban land	0-6	Variable	---	---	---	---	---	---	---	---	0-14	---
Purdy	---	---	---	---	---	---	---	---	---	---	---	---
13A:												
Coursey, silt loam, rarely flooded	0-5	Silt loam	CL, CL-ML	A-4	0	0-5	80-100	80-100	75-100	55-90	23-31	7-11
	5-12	Gravelly loam, Loam	CL, CL-ML, SC, SC-SM	A-4	0	0-5	65-100	55-100	45-95	35-75	21-31	6-11
	12-60	Gravelly clay loam, Loam	CL, CL-ML, SC, SC-SM	A-4, A-6	0	0-10	70-100	60-100	50-100	35-80	23-39	7-16
Purdy	---	---	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
14B:												
Coursey, silt loam, rarely flooded	0-5	Silt loam	CL, CL-ML	A-4	0	0-5	80-100	80-100	75-100	55-90	23-31	7-11
	5-12	Gravelly loam, Loam	CL, CL-ML, SC, SC-SM	A-4	0	0-5	65-100	55-100	45-95	35-75	21-31	6-11
	12-60	Gravelly clay loam, Loam	CL, CL-ML, SC, SC-SM	A-4, A-6	0	0-10	70-100	60-100	50-100	35-80	23-39	7-16
Ogles, very cobbly loam, occasionally flooded	0-5	Very cobbly loam	SC, SC-SM	A-2-4, A-4	0	30-45	60-75	45-65	40-65	30-50	21-31	6-11
	5-28	Very cobbly loam, Extremely cobbly sandy loam	SC, SC-SM	A-1, A-2-4	0	30-45	55-75	35-70	25-65	10-50	16-31	3-11
	28-60	Very cobbly sandy loam, Extremely cobbly loamy sand, Extremely cobbly sandy loam	GW-GC, SC, SC-SM	A-1, A-2-4	0	20-40	40-75	20-65	10-50	5-25	16-25	3-8
Shelocta, silt loam	0-2	Silt loam	CL, CL-ML	A-4	0	0-10	85-95	80-95	70-95	55-85	16-30	3-11
	2-7	Channery loam, Channery silt loam, Silt loam	CL, CL-ML, SC, SC-SM	A-4	0	0-10	65-95	55-90	45-90	35-80	16-30	3-11
	7-60	Channery loam, Channery silt loam, Silty clay loam	CL, SC	A-4, A-6	0	0-10	65-95	55-90	45-90	35-85	23-39	7-16
	60-65	Channery silty clay loam, Channery silt loam, Extremely channery loam	CL, GC, SC	A-2-4, A-4, A-6	0	0-10	40-80	25-75	20-75	15-70	23-39	7-16
Purdy or other poorly drained soils	---	---	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
15F:												
Dekalb, channery sandy loam, extremely stony	0-2	Channery sandy loam	SC, SC-SM, SM	A-1, A-2-4	0	10-25	70-90	60-85	35-60	20-35	14-25	NP-8
	2-30	Very channery fine sandy loam, Very channery loam, Very channery sandy loam	SC, SC-SM, SM	A-1, A-2-4, A-4	0	12-25	55-65	35-55	20-55	10-40	14-25	NP-8
	30-40	Bedrock	---	---	---	---	---	---	---	---	---	---
16D:												
Dekalb, channery sandy loam, very stony	0-2	Channery sandy loam	SC, SC-SM, SM	A-1, A-2-4	0	10-25	70-90	60-85	35-60	20-35	14-25	NP-8
	2-30	Very channery fine sandy loam, Very channery loam, Very channery sandy loam	SC, SC-SM, SM	A-1, A-2-4, A-4	0	12-25	55-65	35-55	20-55	10-40	14-25	NP-8
	30-40	Bedrock	---	---	---	---	---	---	---	---	---	---
Alticrest, channery sandy loam, very stony	0-4	Channery sandy loam	SC-SM, SM	A-1, A-2-4	0	0-10	70-85	60-80	35-55	15-35	14-23	2-7
	4-30	Channery fine sandy loam, Channery sandy loam	SC-SM, SM	A-1, A-2-4, A-4	0	0-10	70-85	60-80	35-65	15-45	14-23	2-7
	30-40	Bedrock	---	---	---	---	---	---	---	---	---	---
16E:												
Dekalb, channery sandy loam, very stony	0-2	Channery sandy loam	SC, SC-SM, SM	A-1, A-2-4	0	10-25	70-90	60-85	35-60	20-35	14-25	NP-8
	2-30	Very channery fine sandy loam, Very channery loam, Very channery sandy loam	SC, SC-SM, SM	A-1, A-2-4, A-4	0	12-25	55-65	35-55	20-55	10-40	14-25	NP-8
	30-40	Bedrock	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
16E:												
Alticrest, channery sandy loam, very stony	0-4	Channery sandy loam	SC-SM, SM	A-1, A-2-4	0	0-10	70-85	60-80	35-55	15-35	14-23	2-7
	4-30	Channery fine sandy loam, Channery sandy loam	SC-SM, SM	A-1, A-2-4, A-4	0	0-10	70-85	60-80	35-65	15-45	14-23	2-7
	30-40	Bedrock	---	---	---	---	---	---	---	---	---	---
17D:												
Dekalb, channery sandy loam, very stony	0-2	Channery sandy loam	SC, SC-SM, SM	A-1, A-2-4	0	10-25	70-90	60-85	35-60	20-35	14-25	NP-8
	2-30	Very channery fine sandy loam, Very channery loam, Very channery sandy loam	SC, SC-SM, SM	A-1, A-2-4, A-4	0	12-25	55-65	35-55	20-55	10-40	14-25	NP-8
	30-40	Bedrock	---	---	---	---	---	---	---	---	---	---
Lily, sandy loam, very stony	0-3	Sandy loam	SC, SC-SM, SM	A-2-4	0	0	80-95	75-90	45-65	25-35	13-25	1-8
	3-17	Gravelly fine sandy loam, Gravelly sandy loam, Loam	CL, CL-ML, ML, SC, SC-SM, SM	A-1, A-2-4, A-4	0	0	65-90	55-90	30-85	15-70	13-25	1-8
	17-32	Clay loam, Gravelly clay loam, Gravelly loam, Sandy clay loam	CL, CL-ML, SC, SC-SM	A-2-4, A-6	0	0	60-90	50-90	40-90	15-70	23-39	7-16
	32-42	Bedrock	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
17D:												
McClung, sandy loam	0-3	Fine sandy loam, Loamy fine sand, Loamy sand, Sandy loam	SC, SC-SM, SM	A-1, A-2-4, A-4	0	0	85-100	75-100	35-85	10-55	12-25	1-8
	3-11	Fine sandy loam, Gravelly loam, Sandy loam	CL, CL-ML, ML, SC, SC-SM, SM	A-1, A-2-4, A-4	0	0	65-100	50-100	30-95	15-75	16-30	1-11
	11-19	Gravelly loam, Loam, Sandy loam	CL, CL-ML, ML, SC, SC-SM, SM	A-1, A-2-4, A-4	0	0	65-100	50-100	30-95	15-75	16-31	1-11
	19-65	Gravelly clay loam, Sandy clay, Sandy clay loam	CL, SC	A-2-4, A-4, A-6	0	0	65-100	50-100	50-100	20-80	23-43	1-18
18E:												
Dekalb, channery sandy loam, very stony	0-2	Channery sandy loam	SC, SC-SM, SM	A-1, A-2-4	0	10-25	70-90	60-85	35-60	20-35	14-25	NP-8
	2-30	Very channery fine sandy loam, Very channery loam, Very channery sandy loam	SC, SC-SM, SM	A-1, A-2-4, A-4	0	12-25	55-65	35-55	20-55	10-40	14-25	NP-8
	30-40	Bedrock	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
18E:												
Lily, sandy loam, very stony	0-3	Sandy loam	SC, SC-SM, SM	A-2-4	0	0	80-95	75-90	45-65	25-35	13-25	1-8
	3-17	Gravelly fine sandy loam, Gravelly sandy loam, Loam	CL, CL-ML, ML, SC, SC-SM, SM	A-1, A-2-4, A-4	0	0	65-90	55-90	30-85	15-70	13-25	1-8
	17-32	Clay loam, Gravelly clay loam, Gravelly loam, Sandy clay loam	CL, CL-ML, SC, SC-SM	A-2-4, A-6	0	0	60-90	50-90	40-90	15-70	23-39	7-16
	32-42	Bedrock	---	---	---	---	---	---	---	---	---	---
19E:												
Dekalb, channery sandy loam, extremely stony	0-2	Channery sandy loam	SC, SC-SM, SM	A-1, A-2-4	0	10-25	70-90	60-85	35-60	20-35	14-25	NP-8
	2-30	Very channery fine sandy loam, Very channery loam, Very channery sandy loam	SC, SC-SM, SM	A-1, A-2-4, A-4	0	12-25	55-65	35-55	20-55	10-40	14-25	NP-8
	30-40	Bedrock	---	---	---	---	---	---	---	---	---	---
Rock outcrop	0-60	Bedrock	---	---	---	---	---	---	---	---	---	---
20E:												
Dekalb, channery sandy loam, very stony	0-2	Channery sandy loam	SC, SC-SM, SM	A-1, A-2-4	0	10-25	70-90	60-85	35-60	20-35	14-25	NP-8
	2-30	Very channery fine sandy loam, Very channery loam, Very channery sandy loam	SC, SC-SM, SM	A-1, A-2-4, A-4	0	12-25	55-65	35-55	20-55	10-40	14-25	NP-8
	30-40	Bedrock	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
20E:												
Watahala, very gravelly sandy loam	0-3	Very gravelly sandy loam	SC, SC-SM	A-1, A-2-4	0	0-7	55-60	40-45	25-35	10-20	16-25	3-8
	3-27	Gravelly loam, Gravelly silt loam, Very gravelly loam, Very gravelly silt loam	CL, CL-ML, SC, SC-SM	A-2-4, A-4	0	0-15	60-80	45-75	40-75	30-65	16-30	3-11
	27-37	Gravelly clay loam, Gravelly loam, Gravelly silty clay loam, Gravelly silt loam	CL, CL-ML, SC, SC-SM	A-4, A-6	0	0-15	70-80	60-75	50-75	35-70	23-39	7-16
	37-61	Clay, Gravelly clay, Silty clay	CH, CL, MH, SC, SM	A-7	0	0-10	65-100	55-100	50-100	40-95	45-70	20-33
McClung, sandy loam	0-3	Fine sandy loam, Loamy fine sand, Loamy sand, Sandy loam	SC, SC-SM, SM	A-1, A-2-4, A-4	0	0	85-100	75-100	35-85	10-55	12-25	1-8
	3-11	Fine sandy loam, Gravelly loam, Sandy loam	CL, CL-ML, ML, SC, SC-SM, SM	A-1, A-2-4, A-4	0	0	65-100	50-100	30-95	15-75	16-30	1-11
	11-19	Gravelly loam, Loam, Sandy loam	CL, CL-ML, ML, SC, SC-SM, SM	A-1, A-2-4, A-4	0	0	65-100	50-100	30-95	15-75	16-31	1-11
	19-65	Gravelly clay loam, Sandy clay, Sandy clay loam	CL, SC	A-2-4, A-4, A-6	0	0	65-100	50-100	50-100	20-80	23-43	1-18

Engineering Properties (H)

Alleghany 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*	
21A:												
Dunning, silt loam, occasionally flooded	0-3	Silt loam	CL, CL-ML	A-4	0	0-2	98-100	95-100	85-100	65-90	18-31	4-11
	3-10	Silty clay loam, Silt loam	CL, CL-ML	A-4, A-6	0	0-2	98-100	95-100	85-100	70-95	18-39	4-16
	10-32	Clay, Silty clay, Silty clay loam	CH, CL, MH	A-6, A-7	0	0-2	98-100	95-100	85-100	75-95	39-61	16-28
	32-60	Clay, Silty clay, Silty clay loam, Stratified sandy loam to loam to silt loam	CH, CL, CL-ML, MH, SC, SC-SM, SM	A-2-4, A-6, A-7	0	0-2	98-100	95-100	60-100	30-95	16-61	3-28

Engineering Properties (H)

Alleghany 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:												
Escatawba, loam, very stony	0-3	Loam	CL, CL-ML, ML	A-4	0	0-10	85-100	80-100	70-95	50-75	16-30	3-11
	3-17	Cobbly fine sandy loam, Loam, Silt loam	CL, CL-ML, ML, SC, SC-SM, SM	A-2-4, A-4	0	0-15	80-100	75-100	50-100	30-90	14-30	2-11
	17-30	Cobbly clay loam, Gravelly silty clay loam, Loam, Silt loam	CL, CL-ML, SC, SC-SM	A-4, A-6	0	0-15	70-100	60-100	50-100	35-95	23-38	7-15
	30-50	Cobbly clay, Clay loam, Gravelly clay loam, Gravelly silty clay loam	CL, SC	A-6, A-7-6	0-5	0-15	70-85	60-85	55-85	45-80	39-52	16-23
	50-60	Cobbly clay loam, Gravelly clay, Very gravelly silty clay loam	CH, CL, MH, SC, SM	A-6, A-7	0-5	10-20	60-85	50-80	45-80	35-75	39-66	16-31
Poorly drained soils	---	---	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
22C:												
Escatawba, loam, very stony	0-3	Loam	CL, CL-ML, ML	A-4	0	0-10	85-100	80-100	70-95	50-75	16-30	3-11
	3-17	Cobbly fine sandy loam, Loam, Silt loam	CL, CL-ML, ML, SC, SC-SM, SM	A-2-4, A-4	0	0-15	80-100	75-100	50-100	30-90	14-30	2-11
	17-30	Cobbly clay loam, Gravelly silty clay loam, Loam, Silt loam	CL, CL-ML, SC, SC-SM	A-4, A-6	0	0-15	70-100	60-100	50-100	35-95	23-38	7-15
	30-50	Cobbly clay, Clay loam, Gravelly clay loam, Gravelly silty clay loam	CL, SC	A-6, A-7-6	0-5	0-15	70-85	60-85	55-85	45-80	39-52	16-23
	50-60	Cobbly clay loam, Gravelly clay, Very gravelly silty clay loam	CH, CL, MH, SC, SM	A-6, A-7	0-5	10-20	60-85	50-80	45-80	35-75	39-66	16-31
Poorly drained soils	---	---	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
22D:												
Escatawba, loam, very stony	0-3	Loam	CL, CL-ML, ML	A-4	0	0-10	85-100	80-100	70-95	50-75	16-30	3-11
	3-17	Cobbly fine sandy loam, Loam, Silt loam	CL, CL-ML, ML, SC, SC-SM, SM	A-2-4, A-4	0	0-15	80-100	75-100	50-100	30-90	14-30	2-11
	17-30	Cobbly clay loam, Gravelly silty clay loam, Loam, Silt loam	CL, CL-ML, SC, SC-SM	A-4, A-6	0	0-15	70-100	60-100	50-100	35-95	23-38	7-15
	30-50	Cobbly clay, Clay loam, Gravelly clay loam, Gravelly silty clay loam	CL, SC	A-6, A-7-6	0-5	0-15	70-85	60-85	55-85	45-80	39-52	16-23
	50-60	Cobbly clay loam, Gravelly clay, Very gravelly silty clay loam	CH, CL, MH, SC, SM	A-6, A-7	0-5	10-20	60-85	50-80	45-80	35-75	39-66	16-31
23C:												
Faywood, silty clay loam	0-6	Silty clay loam	CL	A-6	0	0	80-100	75-100	70-100	65-95	31-43	11-18
	6-24	Clay, Silty clay, Silty clay loam	CH, CL, MH	A-7	0	0	80-100	75-100	70-100	55-95	39-61	16-28
	24-34	Bedrock	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
23C:												
Poplimento, silty clay loam	0-5	Silty clay loam	CL	A-6	0	0-5	85-100	80-100	75-100	70-95	31-43	11-18
	5-20	Clay, Silty clay, Silty clay loam	CH, CL, MH, ML	A-7	0	0-5	85-100	80-100	75-100	60-95	39-61	16-28
	20-35	Channery clay, Very channery silty clay loam, Silty clay	CH, CL, MH, ML, SC, SM	A-2-7, A-7	0	0-10	50-100	35-100	35-100	30-95	39-61	16-28
	35-60	Channery silty clay, Very channery silty clay loam, Silty clay loam	CL, SC	A-2-6, A-6, A-7	0	0-15	50-100	35-100	35-100	30-95	31-52	11-23
23D:												
Faywood, silty clay loam	0-6	Silty clay loam	CL	A-6	0	0	80-100	75-100	70-100	65-95	31-43	11-18
	6-24	Clay, Silty clay, Silty clay loam	CH, CL, MH	A-7	0	0	80-100	75-100	70-100	55-95	39-61	16-28
	24-34	Bedrock	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
23D:												
Poplimento, silty clay loam	0-5	Silty clay loam	CL	A-6	0	0-5	85-100	80-100	75-100	70-95	31-43	11-18
	5-20	Clay, Silty clay, Silty clay loam	CH, CL, MH, ML	A-7	0	0-5	85-100	80-100	75-100	60-95	39-61	16-28
	20-35	Channery clay, Very channery silty clay loam, Silty clay	CH, CL, MH, ML, SC, SM	A-2-7, A-7	0	0-10	50-100	35-100	35-100	30-95	39-61	16-28
	35-60	Channery silty clay, Very channery silty clay loam, Silty clay loam	CL, SC	A-2-6, A-6, A-7	0	0-15	50-100	35-100	35-100	30-95	31-52	11-23
23E:												
Faywood, silty clay loam	0-6	Silty clay loam	CL	A-6	0	0	80-100	75-100	70-100	65-95	31-43	11-18
	6-24	Clay, Silty clay, Silty clay loam	CH, CL, MH	A-7	0	0	80-100	75-100	70-100	55-95	39-61	16-28
	24-34	Bedrock	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
23E:												
Poplimento, silty clay loam	0-5	Silty clay loam	CL	A-6	0	0-5	85-100	80-100	75-100	70-95	31-43	11-18
	5-20	Clay, Silty clay, Silty clay loam	CH, CL, MH, ML	A-7	0	0-5	85-100	80-100	75-100	60-95	39-61	16-28
	20-35	Channery clay, Very channery silty clay loam, Silty clay	CH, CL, MH, ML, SC, SM	A-2-7, A-7	0	0-10	50-100	35-100	35-100	30-95	39-61	16-28
	35-60	Channery silty clay, Very channery silty clay loam, Silty clay loam	CL, SC	A-2-6, A-6, A-7	0	0-15	50-100	35-100	35-100	30-95	31-52	11-23
24C:												
Frederick, silt loam	0-3	Silt loam	CL, CL-ML	A-4	0	0-3	85-100	80-100	70-100	60-90	19-31	5-11
	3-8	Gravelly silty clay loam, Loam, Silty clay loam, Silt loam	CL, CL-ML, SC, SC-SM	A-2-4, A-4, A-6	0	0-13	60-100	45-100	40-100	30-95	21-43	6-18
	8-20	Clay, Gravelly silty clay loam, Silty clay, Silty clay loam	CH, CL, MH, SC, SM	A-6, A-7	0	0-7	65-100	55-100	50-100	40-95	39-61	16-28
	20-72	Clay, Gravelly clay, Silty clay	CH, CL, MH, SC, SM	A-7	0	0-7	65-100	55-100	50-100	40-95	43-79	17-38

Engineering Properties (H)

Alleghany 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*	
24D:												
Frederick, silt loam	0-3	Silt loam	CL, CL-ML	A-4	0	0-3	85-100	80-100	70-100	60-90	19-31	5-11
	3-8	Gravelly silty clay loam, Loam, Silty clay loam, Silt loam	CL, CL-ML, SC, SC-SM	A-2-4, A-4, A-6	0	0-13	60-100	45-100	40-100	30-95	21-43	6-18
	8-20	Clay, Gravelly silty clay loam, Silty clay, Silty clay loam	CH, CL, MH, SC, SM	A-6, A-7	0	0-7	65-100	55-100	50-100	40-95	39-61	16-28
	20-72	Clay, Gravelly clay, Silty clay	CH, CL, MH, SC, SM	A-7	0	0-7	65-100	55-100	50-100	40-95	43-79	17-38
25C:												
Frederick, gravelly silt loam	0-3	Gravelly silt loam	CL, CL-ML, SC, SC-SM	A-4	0	0-7	65-80	55-75	50-75	40-65	19-31	5-11
	3-8	Gravelly silty clay loam, Loam, Silty clay loam, Silt loam	CL, CL-ML, SC, SC-SM	A-2-4, A-4, A-6	0	0-13	60-100	45-100	40-100	30-95	21-43	6-18
	8-20	Clay, Gravelly silty clay loam, Silty clay, Silty clay loam	CH, CL, MH, SC, SM	A-6, A-7	0	0-7	65-100	55-100	50-100	40-95	39-61	16-28
	20-72	Clay, Gravelly clay, Silty clay	CH, CL, MH, SC, SM	A-7	0	0-7	65-100	55-100	50-100	40-95	43-79	17-38

Engineering Properties (H)

Alleghany 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*	
25C:												
Watahala, very gravelly sandy loam	0-3	Very gravelly sandy loam	SC, SC-SM	A-1, A-2-4	0	0-7	55-60	40-45	25-35	10-20	16-25	3-8
	3-27	Gravelly loam, Gravelly silt loam, Very gravelly loam, Very gravelly silt loam	CL, CL-ML, SC, SC-SM	A-2-4, A-4	0	0-15	60-80	45-75	40-75	30-65	16-30	3-11
	27-37	Gravelly clay loam, Gravelly loam, Gravelly silty clay loam, Gravelly silt loam	CL, CL-ML, SC, SC-SM	A-4, A-6	0	0-15	70-80	60-75	50-75	35-70	23-39	7-16
	37-61	Clay, Gravelly clay, Silty clay	CH, CL, MH, SC, SM	A-7	0	0-10	65-100	55-100	50-100	40-95	45-70	20-33
25D:												
Frederick, gravelly silt loam	0-3	Gravelly silt loam	CL, CL-ML, SC, SC-SM	A-4	0	0-7	65-80	55-75	50-75	40-65	19-31	5-11
	3-8	Gravelly silty clay loam, Loam, Silty clay loam, Silt loam	CL, CL-ML, SC, SC-SM	A-2-4, A-4, A-6	0	0-13	60-100	45-100	40-100	30-95	21-43	6-18
	8-20	Clay, Gravelly silty clay loam, Silty clay, Silty clay loam	CH, CL, MH, SC, SM	A-6, A-7	0	0-7	65-100	55-100	50-100	40-95	39-61	16-28
	20-72	Clay, Gravelly clay, Silty clay	CH, CL, MH, SC, SM	A-7	0	0-7	65-100	55-100	50-100	40-95	43-79	17-38

Engineering Properties (H)

Alleghany 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*	
25D:												
Watahala, very gravelly sandy loam	0-3	Very gravelly sandy loam	SC, SC-SM	A-1, A-2-4	0	0-7	55-60	40-45	25-35	10-20	16-25	3-8
	3-27	Gravelly loam, Gravelly silt loam, Very gravelly loam, Very gravelly silt loam	CL, CL-ML, SC, SC-SM	A-2-4, A-4	0	0-15	60-80	45-75	40-75	30-65	16-30	3-11
	27-37	Gravelly clay loam, Gravelly loam, Gravelly silty clay loam, Gravelly silt loam	CL, CL-ML, SC, SC-SM	A-4, A-6	0	0-15	70-80	60-75	50-75	35-70	23-39	7-16
	37-61	Clay, Gravelly clay, Silty clay	CH, CL, MH, SC, SM	A-7	0	0-10	65-100	55-100	50-100	40-95	45-70	20-33
26C:												
Gilpin, silt loam	0-2	Silt loam	CL, CL-ML	A-4	0	0	80-95	75-90	70-90	55-80	21-31	6-11
	2-7	Channery loam, Channery silt loam, Silt loam	CL, CL-ML, SC, SC-SM	A-2-4, A-4	0	0	60-95	50-90	45-90	30-80	21-31	6-11
	7-26	Channery loam, Channery silty clay loam, Silt loam	CL, SC	A-2-4, A-6	0	0	60-95	50-90	45-90	30-85	23-39	7-16
	26-32	Channery silt loam, Very channery loam, Very channery silty clay loam	SC, SC-SM	A-2-4, A-2-6, A-6	0	0	50-65	35-50	30-50	20-50	21-39	6-16
	32-42	Bedrock	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
26D:												
Gilpin, silt loam	0-2	Silt loam	CL, CL-ML	A-4	0	0	80-95	75-90	70-90	55-80	21-31	6-11
	2-7	Channery loam, Channery silt loam, Silt loam	CL, CL-ML, SC, SC-SM	A-2-4, A-4	0	0	60-95	50-90	45-90	30-80	21-31	6-11
	7-26	Channery loam, Channery silty clay loam, Silt loam	CL, SC	A-2-4, A-6	0	0	60-95	50-90	45-90	30-85	23-39	7-16
	26-32	Channery silt loam, Very channery loam, Very channery silty clay loam	SC, SC-SM	A-2-4, A-2-6, A-6	0	0	50-65	35-50	30-50	20-50	21-39	6-16
	32-42	Bedrock	---	---	---	---	---	---	---	---	---	---
27A:												
Gladehill, loam, occasionally flooded	0-7	Loam	CL-ML, ML	A-4	0	0	85-100	75-100	65-95	45-75	13-23	1-7
	7-14	Fine sandy loam, Loam, Sandy loam	CL-ML, ML, SC-SM, SM	A-2-4, A-4	0	0	85-100	80-100	45-95	25-75	12-23	1-7
	14-40	Fine sandy loam, Loam, Sandy loam	CL-ML, ML, SC-SM, SM	A-2-4, A-4	0	0	85-100	80-100	45-95	25-75	12-23	1-7
	40-60	Fine sandy loam, Gravelly sandy loam, Loam, Sandy clay loam	CL, CL-ML, ML, SC, SC-SM, SM	A-1, A-2-4, A-4	0	0	65-100	55-100	30-95	15-75	12-30	1-11

Engineering Properties (H)

Alleghany 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*	
28A:												
Gladehill, loam, protected	0-7	Loam	CL-ML, ML	A-4	0	0	85-100	75-100	65-95	45-75	13-23	1-7
	7-14	Fine sandy loam, Loam, Sandy loam	CL-ML, ML, SC-SM, SM	A-2-4, A-4	0	0	85-100	80-100	45-95	25-75	12-23	1-7
	14-40	Fine sandy loam, Loam, Sandy loam	CL-ML, ML, SC-SM, SM	A-2-4, A-4	0	0	85-100	80-100	45-95	25-75	12-23	1-7
	40-60	Fine sandy loam, Gravelly sandy loam, Loam, Sandy clay loam	CL, CL-ML, ML, SC, SC-SM, SM	A-1, A-2-4, A-4	0	0	65-100	55-100	30-95	15-75	12-30	1-11
29:												
Landfills	0-39	Material	---	---	---	---	---	---	---	---	---	---
30C:												
Lehew, channery sandy loam, very stony	0-2	Channery sandy loam	SC-SM, SM	A-1, A-2-4	0	5-10	65-80	55-75	30-55	15-30	11-21	NP-6
	2-15	Channery sandy loam, Very channery loam	SC-SM, SM	A-1, A-2-4, A-4	0	5-10	60-75	45-65	30-65	15-50	12-23	1-7
	15-27	Very channery loam, Extremely channery sandy loam	GC-GM, GM, SC-SM, SM	A-1, A-2-4	0	5-15	40-60	20-50	15-50	5-40	12-23	1-7
	27-37	Bedrock	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
30C:												
Berks, channery silt loam, very stony	0-4	Channery silt loam	CL, CL-ML, ML, SC, SC-SM, SM	A-4	0	0-10	65-85	55-75	50-75	40-70	16-30	2-10
	4-11	Channery silty clay loam, Channery silt loam, Very channery silt loam, Extremely channery loam	CL, CL-ML, GC, GC-GM, SC, SC-SM	A-1, A-2-4, A-4, A-6	0	0-15	40-85	20-75	15-75	10-75	16-35	2-14
	11-22	Very channery silty clay loam, Very channery silt loam, Extremely channery loam, Extremely channery silt loam	GC, GC-GM, SC, SC-SM	A-1, A-2-4, A-4, A-6	0	0-15	40-65	20-50	15-50	10-50	16-35	2-14
	22-27	Very channery loam, Very channery silt loam, Extremely channery loam, Extremely channery silt loam	GC, GC-GM, GM, GP-GC, GP-GM, SC, SC-SM, SM	A-1, A-2-4, A-4	0	0-20	30-65	10-50	5-50	5-45	16-30	2-10
	27-37	Bedrock	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
30D:												
Lehew, channery sandy loam, very stony	0-2	Channery sandy loam	SC-SM, SM	A-1, A-2-4	0	5-10	65-80	55-75	30-55	15-30	11-21	NP-6
	2-15	Channery sandy loam, Very channery loam	SC-SM, SM	A-1, A-2-4, A-4	0	5-10	60-75	45-65	30-65	15-50	12-23	1-7
	15-27	Very channery loam, Extremely channery sandy loam	GC-GM, GM, SC-SM, SM	A-1, A-2-4	0	5-15	40-60	20-50	15-50	5-40	12-23	1-7
	27-37	Bedrock	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
30D:												
Berks, channery silt loam, very stony	0-4	Channery silt loam	CL, CL-ML, ML, SC, SC-SM, SM	A-4	0	0-10	65-85	55-75	50-75	40-70	16-30	2-10
	4-11	Channery silty clay loam, Channery silt loam, Very channery silt loam, Extremely channery loam	CL, CL-ML, GC, GC-GM, SC, SC-SM	A-1, A-2-4, A-4, A-6	0	0-15	40-85	20-75	15-75	10-75	16-35	2-14
	11-22	Very channery silty clay loam, Very channery silt loam, Extremely channery loam, Extremely channery silt loam	GC, GC-GM, SC, SC-SM	A-1, A-2-4, A-4, A-6	0	0-15	40-65	20-50	15-50	10-50	16-35	2-14
	22-27	Very channery loam, Very channery silt loam, Extremely channery loam, Extremely channery silt loam	GC, GC-GM, GM, GP-GC, GP-GM, SC, SC-SM, SM	A-1, A-2-4, A-4	0	0-20	30-65	10-50	5-50	5-45	16-30	2-10
	27-37	Bedrock	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
30E:												
Lehew, channery sandy loam, very stony	0-2	Channery sandy loam	SC-SM, SM	A-1, A-2-4	0	5-10	65-80	55-75	30-55	15-30	11-21	NP-6
	2-15	Channery sandy loam, Very channery loam	SC-SM, SM	A-1, A-2-4, A-4	0	5-10	60-75	45-65	30-65	15-50	12-23	1-7
	15-27	Very channery loam, Extremely channery sandy loam	GC-GM, GM, SC-SM, SM	A-1, A-2-4	0	5-15	40-60	20-50	15-50	5-40	12-23	1-7
	27-37	Bedrock	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
30E:												
Berks, channery silt loam, very stony	0-4	Channery silt loam	CL, CL-ML, ML, SC, SC-SM, SM	A-4	0	0-10	65-85	55-75	50-75	40-70	16-30	2-10
	4-11	Channery silty clay loam, Channery silt loam, Very channery silt loam, Extremely channery loam	CL, CL-ML, GC, GC-GM, SC, SC-SM	A-1, A-2-4, A-4, A-6	0	0-15	40-85	20-75	15-75	10-75	16-35	2-14
	11-22	Very channery silty clay loam, Very channery silt loam, Extremely channery loam, Extremely channery silt loam	GC, GC-GM, SC, SC-SM	A-1, A-2-4, A-4, A-6	0	0-15	40-65	20-50	15-50	10-50	16-35	2-14
	22-27	Very channery loam, Very channery silt loam, Extremely channery loam, Extremely channery silt loam	GC, GC-GM, GM, GP-GC, GP-GM, SC, SC-SM, SM	A-1, A-2-4, A-4	0	0-20	30-65	10-50	5-50	5-45	16-30	2-10
	27-37	Bedrock	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
31F:												
Lehew, channery sandy loam, extremely stony	0-2	Channery sandy loam	SC-SM, SM	A-1, A-2-4	0	5-10	65-80	55-75	30-55	15-30	11-21	NP-6
	2-15	Channery sandy loam, Very channery loam	SC-SM, SM	A-1, A-2-4, A-4	0	5-10	60-75	45-65	30-65	15-50	12-23	1-7
	15-27	Very channery loam, Extremely channery sandy loam	GC-GM, GM, SC-SM, SM	A-1, A-2-4	0	5-15	40-60	20-50	15-50	5-40	12-23	1-7
	27-37	Bedrock	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
31F:												
Berks, channery silt loam, extremely stony	0-4	Channery silt loam	CL, CL-ML, ML, SC, SC-SM, SM	A-4	0	0-10	65-85	55-75	50-75	40-70	16-30	2-10
	4-11	Channery silty clay loam, Channery silt loam, Very channery silt loam, Extremely channery loam	CL, CL-ML, GC, GC-GM, SC, SC-SM	A-1, A-2-4, A-4, A-6	0	0-15	40-85	20-75	15-75	10-75	16-35	2-14
	11-22	Very channery silty clay loam, Very channery silt loam, Extremely channery loam, Extremely channery silt loam	GC, GC-GM, SC, SC-SM	A-1, A-2-4, A-4, A-6	0	0-15	40-65	20-50	15-50	10-50	16-35	2-14
	22-27	Very channery loam, Very channery silt loam, Extremely channery loam, Extremely channery silt loam	GC, GC-GM, GM, GP-GC, GP-GM, SC, SC-SM, SM	A-1, A-2-4, A-4	0	0-20	30-65	10-50	5-50	5-45	16-30	2-10
	27-37	Bedrock	---	---	---	---	---	---	---	---	---	---
Rock outcrop	---	---	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
32C:												
Lily, sandy loam	0-3	Sandy loam	SC, SC-SM, SM	A-2-4	0	0	80-95	75-90	45-65	25-35	13-25	1-8
	3-17	Gravelly fine sandy loam, Gravelly sandy loam, Loam	CL, CL-ML, ML, SC, SC-SM, SM	A-1, A-2-4, A-4	0	0	65-90	55-90	30-85	15-70	13-25	1-8
	17-32	Clay loam, Gravelly clay loam, Gravelly loam, Sandy clay loam	CL, CL-ML, SC, SC-SM	A-2-4, A-6	0	0	60-90	50-90	40-90	15-70	23-39	7-16
	32-42	Bedrock	---	---	---	---	---	---	---	---	---	---
33D:												
Lily, sandy loam, very stony	0-3	Sandy loam	SC, SC-SM, SM	A-2-4	0	0	80-95	75-90	45-65	25-35	13-25	1-8
	3-17	Gravelly fine sandy loam, Gravelly sandy loam, Loam	CL, CL-ML, ML, SC, SC-SM, SM	A-1, A-2-4, A-4	0	0	65-90	55-90	30-85	15-70	13-25	1-8
	17-32	Clay loam, Gravelly clay loam, Gravelly loam, Sandy clay loam	CL, CL-ML, SC, SC-SM	A-2-4, A-6	0	0	60-90	50-90	40-90	15-70	23-39	7-16
	32-42	Bedrock	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
34C:												
Lily, sandy loam	0-3	Sandy loam	SC, SC-SM, SM	A-2-4	0	0	80-95	75-90	45-65	25-35	13-25	1-8
	3-17	Gravelly fine sandy loam, Gravelly sandy loam, Loam	CL, CL-ML, ML, SC, SC-SM, SM	A-1, A-2-4, A-4	0	0	65-90	55-90	30-85	15-70	13-25	1-8
	17-32	Clay loam, Gravelly clay loam, Gravelly loam, Sandy clay loam	CL, CL-ML, SC, SC-SM	A-2-4, A-6	0	0	60-90	50-90	40-90	15-70	23-39	7-16
	32-42	Bedrock	---	---	---	---	---	---	---	---	---	---
McClung, sandy loam	0-3	Fine sandy loam, Loamy fine sand, Loamy sand, Sandy loam	SC, SC-SM, SM	A-1, A-2-4, A-4	0	0	85-100	75-100	35-85	10-55	12-25	1-8
	3-11	Fine sandy loam, Gravelly loam, Sandy loam	CL, CL-ML, ML, SC, SC-SM, SM	A-1, A-2-4, A-4	0	0	65-100	50-100	30-95	15-75	16-30	1-11
	11-19	Gravelly loam, Loam, Sandy loam	CL, CL-ML, ML, SC, SC-SM, SM	A-1, A-2-4, A-4	0	0	65-100	50-100	30-95	15-75	16-31	1-11
	19-65	Gravelly clay loam, Sandy clay, Sandy clay loam	CL, SC	A-2-4, A-4, A-6	0	0	65-100	50-100	50-100	20-80	23-43	1-18

Engineering Properties (H)

Alleghany 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*	
34C:												
Dekalb, channery sandy loam, very stony	0-2	Channery sandy loam	SC, SC-SM, SM	A-1, A-2-4	0	10-25	70-90	60-85	35-60	20-35	14-25	NP-8
	2-30	Very channery fine sandy loam, Very channery loam, Very channery sandy loam	SC, SC-SM, SM	A-1, A-2-4, A-4	0	12-25	55-65	35-55	20-55	10-40	14-25	NP-8
	30-40	Bedrock	---	---	---	---	---	---	---	---	---	---
35C:												
Macove, channery silt loam, very stony	0-1	Channery silt loam	CL, CL-ML, ML, SC, SC-SM, SM	A-4	0-10	0-10	65-80	55-75	50-70	40-65	16-30	3-11
	1-4	Channery loam, Very channery silt loam	CL, CL-ML, ML, SC, SC-SM, SM	A-4	0-10	0-15	65-85	55-80	50-80	35-70	16-30	3-11
	4-7	Channery silt loam, Very channery loam	CL, CL-ML, ML, SC, SC-SM, SM	A-1, A-2-4, A-4	0-10	0-15	50-85	35-75	30-75	20-65	16-30	3-11
	7-65	Very bouldery loam, Very channery silty clay loam, Extremely channery silt loam	CL, CL-ML, ML, SC, SC-SM, SM	A-2-4, A-4, A-6	0-30	10-15	55-85	40-80	35-80	25-75	16-39	3-16

Engineering Properties (H)

Alleghany 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*	
36A:												
Massanetta, silt loam, occasionally flooded	0-12	Loam, Silt loam	CL	A-6	0	0	90-100	85-100	70-100	50-90	30-36	11-16
	12-39	Loam, Silty clay loam, Silt loam	CL	A-6	0	0	90-100	85-100	70-100	50-95	30-41	11-20
	39-61	Loam, Silty clay loam, Silt loam, Sandy loam	CL, CL-ML, SC, SC-SM	A-2-4, A-6	0	0	85-100	75-100	45-100	25-95	21-41	4-20
	61-70	Loamy sand, Stratified loamy sand to silt loam to clay	CH, CL, CL-ML, ML, SC, SC-SM, SM	A-1, A-2-4, A-6, A-7-6	0	0	85-100	75-100	40-100	10-95	17-57	1-32
Dunning	---	---	---	---	---	---	---	---	---	---	---	---
Purdy	---	---	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
37D:												
McClung, sandy loam	0-3	Fine sandy loam, Loamy fine sand, Loamy sand, Sandy loam	SC, SC-SM, SM	A-1, A-2-4, A-4	0	0	85-100	75-100	35-85	10-55	12-25	1-8
	3-11	Fine sandy loam, Gravelly loam, Sandy loam	CL, CL-ML, ML, SC, SC-SM, SM	A-1, A-2-4, A-4	0	0	65-100	50-100	30-95	15-75	16-30	1-11
	11-19	Gravelly loam, Loam, Sandy loam	CL, CL-ML, ML, SC, SC-SM, SM	A-1, A-2-4, A-4	0	0	65-100	50-100	30-95	15-75	16-31	1-11
	19-65	Gravelly clay loam, Sandy clay, Sandy clay loam	CL, SC	A-2-4, A-4, A-6	0	0	65-100	50-100	50-100	20-80	23-43	1-18
Watahala, very gravelly sandy loam	0-3	Very gravelly sandy loam	SC, SC-SM	A-1, A-2-4	0	0-7	55-60	40-45	25-35	10-20	16-25	3-8
	3-27	Gravelly loam, Gravelly silt loam, Very gravelly loam, Very gravelly silt loam	CL, CL-ML, SC, SC-SM	A-2-4, A-4	0	0-15	60-80	45-75	40-75	30-65	16-30	3-11
	27-37	Gravelly clay loam, Gravelly loam, Gravelly silty clay loam, Gravelly silt loam	CL, CL-ML, SC, SC-SM	A-4, A-6	0	0-15	70-80	60-75	50-75	35-70	23-39	7-16
	37-61	Clay, Gravelly clay, Silty clay	CH, CL, MH, SC, SM	A-7	0	0-10	65-100	55-100	50-100	40-95	45-70	20-33

Engineering Properties (H)

Alleghany 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*	
37D:												
Dekalb, channery sandy loam, very stony	0-2	Channery sandy loam	SC, SC-SM, SM	A-1, A-2-4	0	10-25	70-90	60-85	35-60	20-35	14-25	NP-8
	2-30	Very channery fine sandy loam, Very channery loam, Very channery sandy loam	SC, SC-SM, SM	A-1, A-2-4, A-4	0	12-25	55-65	35-55	20-55	10-40	14-25	NP-8
	30-40	Bedrock	---	---	---	---	---	---	---	---	---	---
38B:												
Murrill, loam	0-4	Loam	CL, CL-ML	A-4	0	0	80-90	75-85	65-80	45-60	16-25	3-8
	4-10	Channery silt loam, Channery sandy loam, Loam	CL, CL-ML, SC, SC-SM	A-1, A-2-4, A-4, A-6	0	0-7	75-85	65-85	40-85	20-75	16-30	3-11
	10-40	Channery clay loam, Channery silty clay loam, Channery silt loam, Silty clay loam	CL, CL-ML, SC, SC-SM	A-4, A-6	0	0-7	75-85	65-85	55-85	40-80	23-39	7-16
	40-65	Channery clay loam, Silty clay, Silty clay loam	CL	A-6, A-7	0	0-7	80-100	70-100	65-100	50-95	31-57	11-26
38C:												
Murrill, loam	0-4	Loam	CL, CL-ML	A-4	0	0	80-90	75-85	65-80	45-60	16-25	3-8
	4-10	Channery silt loam, Channery sandy loam, Loam	CL, CL-ML, SC, SC-SM	A-1, A-2-4, A-4, A-6	0	0-7	75-85	65-85	40-85	20-75	16-30	3-11
	10-40	Channery clay loam, Channery silty clay loam, Channery silt loam, Silty clay loam	CL, CL-ML, SC, SC-SM	A-4, A-6	0	0-7	75-85	65-85	55-85	40-80	23-39	7-16
	40-65	Channery clay loam, Silty clay, Silty clay loam	CL	A-6, A-7	0	0-7	80-100	70-100	65-100	50-95	31-57	11-26

Engineering Properties (H)

Alleghany 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*	
38D:												
Murrill, loam	0-4	Loam	CL, CL-ML	A-4	0	0	80-90	75-85	65-80	45-60	16-25	3-8
	4-10	Channery silt loam, Channery sandy loam, Loam	CL, CL-ML, SC, SC-SM	A-1, A-2-4, A-4, A-6	0	0-7	75-85	65-85	40-85	20-75	16-30	3-11
	10-40	Channery clay loam, Channery silty clay loam, Channery silt loam, Silty clay loam	CL, CL-ML, SC, SC-SM	A-4, A-6	0	0-7	75-85	65-85	55-85	40-80	23-39	7-16
	40-65	Channery clay loam, Silty clay, Silty clay loam	CL	A-6, A-7	0	0-7	80-100	70-100	65-100	50-95	31-57	11-26
39C:												
Murrill, cobbly loam, very stony	0-4	Cobbly loam	CL, CL-ML	A-4	0	25-40	90-100	90-100	75-95	50-75	16-25	3-8
	4-10	Channery silt loam, Channery sandy loam, Loam	CL, CL-ML, SC, SC-SM	A-1, A-2-4, A-4, A-6	0	0-7	75-85	65-85	40-85	20-75	16-30	3-11
	10-40	Channery clay loam, Channery silty clay loam, Channery silt loam, Silty clay loam	CL, CL-ML, SC, SC-SM	A-4, A-6	0	0-7	75-85	65-85	55-85	40-80	23-39	7-16
	40-65	Channery clay loam, Silty clay, Silty clay loam	CL	A-6, A-7	0	0-7	80-100	70-100	65-100	50-95	31-57	11-26

Engineering Properties (H)

Alleghany 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*	
39D:												
Murrill, cobbly loam, very stony	0-4	Cobbly loam	CL, CL-ML	A-4	0	25-40	90-100	90-100	75-95	50-75	16-25	3-8
	4-10	Channery silt loam, Channery sandy loam, Loam	CL, CL-ML, SC, SC-SM	A-1, A-2-4, A-4, A-6	0	0-7	75-85	65-85	40-85	20-75	16-30	3-11
	10-40	Channery clay loam, Channery silty clay loam, Channery silt loam, Silty clay loam	CL, CL-ML, SC, SC-SM	A-4, A-6	0	0-7	75-85	65-85	55-85	40-80	23-39	7-16
	40-65	Channery clay loam, Silty clay, Silty clay loam	CL	A-6, A-7	0	0-7	80-100	70-100	65-100	50-95	31-57	11-26
40B:												
Nicelytown, silt loam	0-5	Silt loam	CL, CL-ML	A-4	0	0-10	85-100	80-100	75-100	60-90	13-31	1-11
	5-8	Fine sandy loam, Loam, Silt loam	CL, CL-ML, SC, SC-SM	A-4	0	0-10	85-100	80-100	60-100	35-90	13-31	1-11
	8-34	Clay loam, Gravelly silt loam, Silty clay loam	CL, SC	A-4, A-6	0	0-15	70-100	60-100	50-100	35-95	23-39	7-16
	34-65	Gravelly silty clay loam, Very gravelly loam, Silty clay loam	CL, SC	A-2-4, A-6	0	0-15	60-100	45-100	40-100	25-95	23-39	7-16
Purdy	---	---	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
40C:												
Nicelytown, silt loam	0-5	Silt loam	CL, CL-ML	A-4	0	0-10	85-100	80-100	75-100	60-90	13-31	1-11
	5-8	Fine sandy loam, Loam, Silt loam	CL, CL-ML, SC, SC-SM	A-4	0	0-10	85-100	80-100	60-100	35-90	13-31	1-11
	8-34	Clay loam, Gravelly silt loam, Silty clay loam	CL, SC	A-4, A-6	0	0-15	70-100	60-100	50-100	35-95	23-39	7-16
	34-65	Gravelly silty clay loam, Very gravelly loam, Silty clay loam	CL, SC	A-2-4, A-6	0	0-15	60-100	45-100	40-100	25-95	23-39	7-16
Purdy	---	---	---	---	---	---	---	---	---	---	---	---
41A:												
Ogles, very cobbly loam, occasionally flooded	0-5	Very cobbly loam	SC, SC-SM	A-2-4, A-4	0	30-45	60-75	45-65	40-65	30-50	21-31	6-11
	5-28	Very cobbly loam, Extremely cobbly sandy loam	SC, SC-SM	A-1, A-2-4	0	30-45	55-75	35-70	25-65	10-50	16-31	3-11
	28-60	Very cobbly sandy loam, Extremely cobbly loamy sand, Extremely cobbly sandy loam	GW-GC, SC, SC-SM	A-1, A-2-4	0	20-40	40-75	20-65	10-50	5-25	16-25	3-8
42B:												
Oriskany, cobbly sandy loam, very stony	0-6	Cobbly sandy loam	SC-SM	A-2-4	0-10	20-30	85-95	75-90	45-65	20-35	12-21	1-6
	6-11	Cobbly sandy loam, Extremely cobbly loam, Stony sandy loam	CL, CL-ML, SC, SC-SM	A-1, A-2-4, A-4	0-15	20-35	55-90	40-90	25-85	10-65	12-30	1-11
	11-65	Very cobbly loam, Extremely cobbly loam, Extremely cobbly sandy clay loam, Very stony clay loam	SC, SC-SM	A-2-4, A-2-6, A-4, A-6	5-20	20-40	50-75	30-70	25-65	10-55	21-39	6-16

Engineering Properties (H)

Alleghany 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*	
43C:												
Oriskany, cobbly sandy loam, extremely stony	0-6	Cobbly sandy loam	SC-SM	A-2-4	0-10	20-30	85-95	75-90	45-65	20-35	12-21	1-6
	6-11	Cobbly sandy loam, Extremely cobbly loam, Stony sandy loam	CL, CL-ML, SC, SC-SM	A-1, A-2-4, A-4	0-15	20-35	55-90	40-90	25-85	10-65	12-30	1-11
	11-65	Very cobbly loam, Extremely cobbly loam, Extremely cobbly sandy clay loam, Very stony clay loam	SC, SC-SM	A-2-4, A-2-6, A-4, A-6	5-20	20-40	50-75	30-70	25-65	10-55	21-39	6-16
43D:												
Oriskany, cobbly sandy loam, extremely stony	0-6	Cobbly sandy loam	SC-SM	A-2-4	0-10	20-30	85-95	75-90	45-65	20-35	12-21	1-6
	6-11	Cobbly sandy loam, Extremely cobbly loam, Stony sandy loam	CL, CL-ML, SC, SC-SM	A-1, A-2-4, A-4	0-15	20-35	55-90	40-90	25-85	10-65	12-30	1-11
	11-65	Very cobbly loam, Extremely cobbly loam, Extremely cobbly sandy clay loam, Very stony clay loam	SC, SC-SM	A-2-4, A-2-6, A-4, A-6	5-20	20-40	50-75	30-70	25-65	10-55	21-39	6-16
43E:												
Oriskany, cobbly sandy loam, extremely stony	0-6	Cobbly sandy loam	SC-SM	A-2-4	0-10	20-30	85-95	75-90	45-65	20-35	12-21	1-6
	6-11	Cobbly sandy loam, Extremely cobbly loam, Stony sandy loam	CL, CL-ML, SC, SC-SM	A-1, A-2-4, A-4	0-15	20-35	55-90	40-90	25-85	10-65	12-30	1-11
	11-65	Very cobbly loam, Extremely cobbly loam, Extremely cobbly sandy clay loam, Very stony clay loam	SC, SC-SM	A-2-4, A-2-6, A-4, A-6	5-20	20-40	50-75	30-70	25-65	10-55	21-39	6-16

Engineering Properties (H)

Alleghany 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*	
44E:												
Oriskany, extremely bouldery sandy loam	0-6	Extremely bouldery sandy loam	SC-SM	A-1, A-2-4	50-55	10-15	70-80	60-70	40-45	20-25	12-21	1-6
	6-11	Cobbly sandy loam, Extremely cobbly loam, Stony sandy loam	CL, CL-ML, SC, SC-SM	A-1, A-2-4, A-4	0-15	20-35	55-90	40-90	25-85	10-65	12-30	1-11
	11-65	Very cobbly loam, Extremely cobbly loam, Extremely cobbly sandy clay loam, Very stony clay loam	SC, SC-SM	A-2-4, A-2-6, A-4, A-6	5-20	20-40	50-75	30-70	25-65	10-55	21-39	6-16
45C:												
Oriskany, cobbly sandy loam, very stony	0-6	Cobbly sandy loam	SC-SM	A-2-4	0-10	20-30	85-95	75-90	45-65	20-35	12-21	1-6
	6-11	Cobbly sandy loam, Extremely cobbly loam, Stony sandy loam	CL, CL-ML, SC, SC-SM	A-1, A-2-4, A-4	0-15	20-35	55-90	40-90	25-85	10-65	12-30	1-11
	11-65	Very cobbly loam, Extremely cobbly loam, Extremely cobbly sandy clay loam, Very stony clay loam	SC, SC-SM	A-2-4, A-2-6, A-4, A-6	5-20	20-40	50-75	30-70	25-65	10-55	21-39	6-16
Murrill, cobbly loam, very stony	0-4	Cobbly loam	CL, CL-ML	A-4	0	25-40	90-100	90-100	75-95	50-75	16-25	3-8
	4-10	Channery silt loam, Channery sandy loam, Loam	CL, CL-ML, SC, SC-SM	A-1, A-2-4, A-4, A-6	0	0-7	75-85	65-85	40-85	20-75	16-30	3-11
	10-40	Channery clay loam, Channery silty clay loam, Channery silt loam, Silty clay loam	CL, CL-ML, SC, SC-SM	A-4, A-6	0	0-7	75-85	65-85	55-85	40-80	23-39	7-16
	40-65	Channery clay loam, Silty clay, Silty clay loam	CL	A-6, A-7	0	0-7	80-100	70-100	65-100	50-95	31-57	11-26

Engineering Properties (H)

Alleghany 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*	
45D:												
Oriskany, cobbly sandy loam, very stony	0-6	Cobbly sandy loam	SC-SM	A-2-4	0-10	20-30	85-95	75-90	45-65	20-35	12-21	1-6
	6-11	Cobbly sandy loam, Extremely cobbly loam, Stony sandy loam	CL, CL-ML, SC, SC-SM	A-1, A-2-4, A-4	0-15	20-35	55-90	40-90	25-85	10-65	12-30	1-11
	11-65	Very cobbly loam, Extremely cobbly loam, Extremely cobbly sandy clay loam, Very stony clay loam	SC, SC-SM	A-2-4, A-2-6, A-4, A-6	5-20	20-40	50-75	30-70	25-65	10-55	21-39	6-16
Murrill, cobbly loam, very stony	0-4	Cobbly loam	CL, CL-ML	A-4	0	25-40	90-100	90-100	75-95	50-75	16-25	3-8
	4-10	Channery silt loam, Channery sandy loam, Loam	CL, CL-ML, SC, SC-SM	A-1, A-2-4, A-4, A-6	0	0-7	75-85	65-85	40-85	20-75	16-30	3-11
	10-40	Channery clay loam, Channery silty clay loam, Channery silt loam, Silty clay loam	CL, CL-ML, SC, SC-SM	A-4, A-6	0	0-7	75-85	65-85	55-85	40-80	23-39	7-16
	40-65	Channery clay loam, Silty clay, Silty clay loam	CL	A-6, A-7	0	0-7	80-100	70-100	65-100	50-95	31-57	11-26
45E:												
Oriskany, cobbly sandy loam, extremely stony	0-6	Cobbly sandy loam	SC-SM	A-2-4	0-10	20-30	85-95	75-90	45-65	20-35	12-21	1-6
	6-11	Cobbly sandy loam, Extremely cobbly loam, Stony sandy loam	CL, CL-ML, SC, SC-SM	A-1, A-2-4, A-4	0-15	20-35	55-90	40-90	25-85	10-65	12-30	1-11
	11-65	Very cobbly loam, Extremely cobbly loam, Extremely cobbly sandy clay loam, Very stony clay loam	SC, SC-SM	A-2-4, A-2-6, A-4, A-6	5-20	20-40	50-75	30-70	25-65	10-55	21-39	6-16

Engineering Properties (H)

Alleghany 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*	
45E:												
Murrill, cobbly loam, extremely stony	0-4	Cobbly loam	CL, CL-ML	A-4	0	25-40	90-100	90-100	75-95	50-75	16-25	3-8
	4-10	Channery silt loam, Channery sandy loam, Loam	CL, CL-ML, SC, SC-SM	A-1, A-2-4, A-4, A-6	0	0-7	75-85	65-85	40-85	20-75	16-30	3-11
	10-40	Channery clay loam, Channery silty clay loam, Channery silt loam, Silty clay loam	CL, CL-ML, SC, SC-SM	A-4, A-6	0	0-7	75-85	65-85	55-85	40-80	23-39	7-16
	40-65	Channery clay loam, Silty clay, Silty clay loam	CL	A-6, A-7	0	0-7	80-100	70-100	65-100	50-95	31-57	11-26
46A:												
Purdy, silty clay loam	0-8	Silty clay loam	CL	A-6	0	0	95-100	90-100	90-100	75-95	31-43	11-18
	8-13	Clay loam, Silty clay loam, Silt loam	CL	A-4, A-6	0	0	95-100	90-100	90-100	65-95	25-43	8-18
	13-31	Clay, Silty clay, Silty clay loam	CH, CL, MH	A-7	0	0	95-100	90-100	90-100	70-95	39-57	16-26
	31-60	Clay, Clay loam, Silty clay	CH, CL, MH	A-7	0	0-3	95-100	95-100	85-100	65-95	39-57	16-26

Engineering Properties (H)

Alleghany 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*	
47C:												
Shelocta, silt loam	0-2	Silt loam	CL, CL-ML	A-4	0	0-10	85-95	80-95	70-95	55-85	16-30	3-11
	2-7	Channery loam, Channery silt loam, Silt loam	CL, CL-ML, SC, SC-SM	A-4	0	0-10	65-95	55-90	45-90	35-80	16-30	3-11
	7-60	Channery loam, Channery silt loam, Silty clay loam	CL, SC	A-4, A-6	0	0-10	65-95	55-90	45-90	35-85	23-39	7-16
	60-65	Channery silty clay loam, Channery silt loam, Extremely channery loam	CL, GC, SC	A-2-4, A-4, A-6	0	0-10	40-80	25-75	20-75	15-70	23-39	7-16

Engineering Properties (H)

Alleghany 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*	
47C:												
Berks, channery silt loam	0-4	Channery silt loam	CL, CL-ML, ML, SC, SC-SM, SM	A-4	0	0-10	65-85	55-75	50-75	40-70	16-30	2-10
	4-11	Channery silty clay loam, Channery silt loam, Very channery silt loam, Extremely channery loam	CL, CL-ML, GC, GC-GM, SC, SC-SM	A-1, A-2-4, A-4, A-6	0	0-15	40-85	20-75	15-75	10-75	16-35	2-14
	11-22	Very channery silty clay loam, Very channery silt loam, Extremely channery loam, Extremely channery silt loam	GC, GC-GM, SC, SC-SM	A-1, A-2-4, A-4, A-6	0	0-15	40-65	20-50	15-50	10-50	16-35	2-14
	22-27	Very channery loam, Very channery silt loam, Extremely channery loam, Extremely channery silt loam	GC, GC-GM, GM, GP-GC, GP-GM, SC, SC-SM, SM	A-1, A-2-4, A-4	0	0-20	30-65	10-50	5-50	5-45	16-30	2-10
	27-37	Bedrock	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
47D:												
Shelocta, silt loam	0-2	Silt loam	CL, CL-ML	A-4	0	0-10	85-95	80-95	70-95	55-85	16-30	3-11
	2-7	Channery loam, Channery silt loam, Silt loam	CL, CL-ML, SC, SC-SM	A-4	0	0-10	65-95	55-90	45-90	35-80	16-30	3-11
	7-60	Channery loam, Channery silt loam, Silty clay loam	CL, SC	A-4, A-6	0	0-10	65-95	55-90	45-90	35-85	23-39	7-16
	60-65	Channery silty clay loam, Channery silt loam, Extremely channery loam	CL, GC, SC	A-2-4, A-4, A-6	0	0-10	40-80	25-75	20-75	15-70	23-39	7-16

Engineering Properties (H)

Alleghany 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*	
47D:												
Berks, channery silt loam	0-4	Channery silt loam	CL, CL-ML, ML, SC, SC-SM, SM	A-4	0	0-10	65-85	55-75	50-75	40-70	16-30	2-10
	4-11	Channery silty clay loam, Channery silt loam, Very channery silt loam, Extremely channery loam	CL, CL-ML, GC, GC-GM, SC, SC-SM	A-1, A-2-4, A-4, A-6	0	0-15	40-85	20-75	15-75	10-75	16-35	2-14
	11-22	Very channery silty clay loam, Very channery silt loam, Extremely channery loam, Extremely channery silt loam	GC, GC-GM, SC, SC-SM	A-1, A-2-4, A-4, A-6	0	0-15	40-65	20-50	15-50	10-50	16-35	2-14
	22-27	Very channery loam, Very channery silt loam, Extremely channery loam, Extremely channery silt loam	GC, GC-GM, GM, GP-GC, GP-GM, SC, SC-SM, SM	A-1, A-2-4, A-4	0	0-20	30-65	10-50	5-50	5-45	16-30	2-10
	27-37	Bedrock	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
47E:												
Shelocta, silt loam	0-2	Silt loam	CL, CL-ML	A-4	0	0-10	85-95	80-95	70-95	55-85	16-30	3-11
	2-7	Channery loam, Channery silt loam, Silt loam	CL, CL-ML, SC, SC-SM	A-4	0	0-10	65-95	55-90	45-90	35-80	16-30	3-11
	7-60	Channery loam, Channery silt loam, Silty clay loam	CL, SC	A-4, A-6	0	0-10	65-95	55-90	45-90	35-85	23-39	7-16
	60-65	Channery silty clay loam, Channery silt loam, Extremely channery loam	CL, GC, SC	A-2-4, A-4, A-6	0	0-10	40-80	25-75	20-75	15-70	23-39	7-16

Engineering Properties (H)

Alleghany 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*	
47E:												
Berks, channery silt loam	0-4	Channery silt loam	CL, CL-ML, ML, SC, SC-SM, SM	A-4	0	0-10	65-85	55-75	50-75	40-70	16-30	2-10
	4-11	Channery silty clay loam, Channery silt loam, Very channery silt loam, Extremely channery loam	CL, CL-ML, GC, GC-GM, SC, SC-SM	A-1, A-2-4, A-4, A-6	0	0-15	40-85	20-75	15-75	10-75	16-35	2-14
	11-22	Very channery silty clay loam, Very channery silt loam, Extremely channery loam, Extremely channery silt loam	GC, GC-GM, SC, SC-SM	A-1, A-2-4, A-4, A-6	0	0-15	40-65	20-50	15-50	10-50	16-35	2-14
	22-27	Very channery loam, Very channery silt loam, Extremely channery loam, Extremely channery silt loam	GC, GC-GM, GM, GP-GC, GP-GM, SC, SC-SM, SM	A-1, A-2-4, A-4	0	0-20	30-65	10-50	5-50	5-45	16-30	2-10
	27-37	Bedrock	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
48B:												
Sugarhol, silt loam	0-2	Silt loam	CL, CL-ML	A-4	0	0-10	85-100	80-100	75-100	55-90	21-31	6-11
	2-11	Clay loam, Loam, Silt loam	CL, CL-ML	A-4	0	0-10	85-100	80-100	70-100	50-90	21-34	6-13
	11-61	Clay, Gravelly clay loam, Silty clay	CH, CL, SC	A-6, A-7	0	0-15	70-100	60-100	55-100	45-95	39-70	16-33
Purdy	---	---	---	---	---	---	---	---	---	---	---	---
48C:												
Sugarhol, silt loam	0-2	Silt loam	CL, CL-ML	A-4	0	0-10	85-100	80-100	75-100	55-90	21-31	6-11
	2-11	Clay loam, Loam, Silt loam	CL, CL-ML	A-4	0	0-10	85-100	80-100	70-100	50-90	21-34	6-13
	11-61	Clay, Gravelly clay loam, Silty clay	CH, CL, SC	A-6, A-7	0	0-15	70-100	60-100	55-100	45-95	39-70	16-33
Purdy	---	---	---	---	---	---	---	---	---	---	---	---
49:												
Udorthents	0-60	Variable	---	---	---	---	---	---	---	---	---	---
Rock outcrop	0-60	Bedrock	---	---	---	---	---	---	---	---	0-14	---
50:												
Urban land	0-6	Variable	---	---	---	---	---	---	---	---	---	---
Udorthents	0-60	Variable	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
51E:												
Watahala, very gravelly sandy loam, very rocky	0-3	Very gravelly sandy loam	SC, SC-SM	A-1, A-2-4	0	0-7	55-60	40-45	25-35	10-20	16-25	3-8
	3-27	Gravelly loam, Gravelly silt loam, Very gravelly loam, Very gravelly silt loam	CL, CL-ML, SC, SC-SM	A-2-4, A-4	0	0-15	60-80	45-75	40-75	30-65	16-30	3-11
	27-37	Gravelly clay loam, Gravelly loam, Gravelly silty clay loam, Gravelly silt loam	CL, CL-ML, SC, SC-SM	A-4, A-6	0	0-15	70-80	60-75	50-75	35-70	23-39	7-16
	37-61	Clay, Gravelly clay, Silty clay	CH, CL, MH, SC, SM	A-7	0	0-10	65-100	55-100	50-100	40-95	45-70	20-33
Frederick, gravelly silt loam, very rocky	0-3	Gravelly silt loam	CL, CL-ML, SC, SC-SM	A-4	0	0-7	65-80	55-75	50-75	40-65	19-31	5-11
	3-8	Gravelly silty clay loam, Loam, Silty clay loam, Silt loam	CL, CL-ML, SC, SC-SM	A-2-4, A-4, A-6	0	0-13	60-100	45-100	40-100	30-95	21-43	6-18
	8-20	Clay, Gravelly silty clay loam, Silty clay, Silty clay loam	CH, CL, MH, SC, SM	A-6, A-7	0	0-7	65-100	55-100	50-100	40-95	39-61	16-28
	20-72	Clay, Gravelly clay, Silty clay	CH, CL, MH, SC, SM	A-7	0	0-7	65-100	55-100	50-100	40-95	43-79	17-38

Engineering Properties (H)

Alleghany 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*	
52D:												
Weikert, channery silt loam	0-4	Channery silt loam	CL, CL-ML, SC, SC-SM	A-4	0	0-5	65-80	50-75	45-75	35-70	16-31	2-11
	4-16	Very channery loam, Very channery silt loam	GC, GC-GM, SC, SC-SM	A-2-4, A-4	0	0-10	45-60	30-50	25-50	15-45	16-31	2-11
	16-26	Bedrock	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
52D:												
Berks, channery silt loam	0-4	Channery silt loam	CL, CL-ML, ML, SC, SC-SM, SM	A-4	0	0-10	65-85	55-75	50-75	40-70	16-30	2-10
	4-11	Channery silty clay loam, Channery silt loam, Very channery silt loam, Extremely channery loam	CL, CL-ML, GC, GC-GM, SC, SC-SM	A-1, A-2-4, A-4, A-6	0	0-15	40-85	20-75	15-75	10-75	16-35	2-14
	11-22	Very channery silty clay loam, Very channery silt loam, Extremely channery loam, Extremely channery silt loam	GC, GC-GM, SC, SC-SM	A-1, A-2-4, A-4, A-6	0	0-15	40-65	20-50	15-50	10-50	16-35	2-14
	22-27	Very channery loam, Very channery silt loam, Extremely channery loam, Extremely channery silt loam	GC, GC-GM, GM, GP-GC, GP-GM, SC, SC-SM, SM	A-1, A-2-4, A-4	0	0-20	30-65	10-50	5-50	5-45	16-30	2-10
	27-37	Bedrock	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
52D:												
Rough, very channery silt loam	0-1	Very channery silt loam	GC, GC-GM, GM	A-1, A-2-4, A-4	0	0-10	45-60	30-50	25-50	20-45	16-30	3-11
	1-5	Very channery loam, Extremely channery silt loam	GC, GC-GM, GM, GW-GM, SC, SC-SM, SM	A-1, A-2-4, A-4	0	0-10	35-60	15-50	10-50	10-45	16-30	3-11
	5-7	Very channery loam, Extremely channery silt loam	GC, GC-GM, GM, GW-GC	A-1, A-2-4	0	5-20	35-55	10-40	10-40	5-35	16-30	3-11
	7-17	Bedrock	---	---	---	---	---	---	---	---	---	---
52E:												
Weikert, channery silt loam	0-4	Channery silt loam	CL, CL-ML, SC, SC-SM	A-4	0	0-5	65-80	50-75	45-75	35-70	16-31	2-11
	4-16	Very channery loam, Very channery silt loam	GC, GC-GM, SC, SC-SM	A-2-4, A-4	0	0-10	45-60	30-50	25-50	15-45	16-31	2-11
	16-26	Bedrock	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
52E:												
Berks, channery silt loam	0-4	Channery silt loam	CL, CL-ML, ML, SC, SC-SM, SM	A-4	0	0-10	65-85	55-75	50-75	40-70	16-30	2-10
	4-11	Channery silty clay loam, Channery silt loam, Very channery silt loam, Extremely channery loam	CL, CL-ML, GC, GC-GM, SC, SC-SM	A-1, A-2-4, A-4, A-6	0	0-15	40-85	20-75	15-75	10-75	16-35	2-14
	11-22	Very channery silty clay loam, Very channery silt loam, Extremely channery loam, Extremely channery silt loam	GC, GC-GM, SC, SC-SM	A-1, A-2-4, A-4, A-6	0	0-15	40-65	20-50	15-50	10-50	16-35	2-14
	22-27	Very channery loam, Very channery silt loam, Extremely channery loam, Extremely channery silt loam	GC, GC-GM, GM, GP-GC, GP-GM, SC, SC-SM, SM	A-1, A-2-4, A-4	0	0-20	30-65	10-50	5-50	5-45	16-30	2-10
	27-37	Bedrock	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
52E:												
Rough, very channery silt loam	0-1	Very channery silt loam	GC, GC-GM, GM	A-1, A-2-4, A-4	0	0-10	45-60	30-50	25-50	20-45	16-30	3-11
	1-5	Very channery loam, Extremely channery silt loam	GC, GC-GM, GM, GW-GM, SC, SC-SM, SM	A-1, A-2-4, A-4	0	0-10	35-60	15-50	10-50	10-45	16-30	3-11
	5-7	Very channery loam, Extremely channery silt loam	GC, GC-GM, GM, GW-GC	A-1, A-2-4	0	5-20	35-55	10-40	10-40	5-35	16-30	3-11
	7-17	Bedrock	---	---	---	---	---	---	---	---	---	---
52F:												
Weikert, channery silt loam, very stony	0-4	Channery silt loam	CL, CL-ML, SC, SC-SM	A-4	0	0-5	65-80	50-75	45-75	35-70	16-31	2-11
	4-16	Very channery loam, Very channery silt loam	GC, GC-GM, SC, SC-SM	A-2-4, A-4	0	0-10	45-60	30-50	25-50	15-45	16-31	2-11
	16-26	Bedrock	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
52F:												
Berks, channery silt loam, very stony	0-4	Channery silt loam	CL, CL-ML, ML, SC, SC-SM, SM	A-4	0	0-10	65-85	55-75	50-75	40-70	16-30	2-10
	4-11	Channery silty clay loam, Channery silt loam, Very channery silt loam, Extremely channery loam	CL, CL-ML, GC, GC-GM, SC, SC-SM	A-1, A-2-4, A-4, A-6	0	0-15	40-85	20-75	15-75	10-75	16-35	2-14
	11-22	Very channery silty clay loam, Very channery silt loam, Extremely channery loam, Extremely channery silt loam	GC, GC-GM, SC, SC-SM	A-1, A-2-4, A-4, A-6	0	0-15	40-65	20-50	15-50	10-50	16-35	2-14
	22-27	Very channery loam, Very channery silt loam, Extremely channery loam, Extremely channery silt loam	GC, GC-GM, GM, GP-GC, GP-GM, SC, SC-SM, SM	A-1, A-2-4, A-4	0	0-20	30-65	10-50	5-50	5-45	16-30	2-10
	27-37	Bedrock	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
52F:												
Rough, very channery silt loam, very stony	0-1	Very channery silt loam	GC, GC-GM, GM	A-1, A-2-4, A-4	0	0-10	45-60	30-50	25-50	20-45	16-30	3-11
	1-5	Very channery loam, Extremely channery silt loam	GC, GC-GM, GM, GW-GM, SC, SC-SM, SM	A-1, A-2-4, A-4	0	0-10	35-60	15-50	10-50	10-45	16-30	3-11
	5-7	Very channery loam, Extremely channery silt loam	GC, GC-GM, GM, GW-GC	A-1, A-2-4	0	5-20	35-55	10-40	10-40	5-35	16-30	3-11
	7-17	Bedrock	---	---	---	---	---	---	---	---	---	---
53F:												
Weikert, channery silt loam	0-4	Channery silt loam	CL, CL-ML, SC, SC-SM	A-4	0	0-5	65-80	50-75	45-75	35-70	16-31	2-11
	4-16	Very channery loam, Very channery silt loam	GC, GC-GM, SC, SC-SM	A-2-4, A-4	0	0-10	45-60	30-50	25-50	15-45	16-31	2-11
	16-26	Bedrock	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
53F:												
Rough, very channery silt loam	0-1	Very channery silt loam	GC, GC-GM, GM	A-1, A-2-4, A-4	0	0-10	45-60	30-50	25-50	20-45	16-30	3-11
	1-5	Very channery loam, Extremely channery silt loam	GC, GC-GM, GM, GW-GM, SC, SC-SM, SM	A-1, A-2-4, A-4	0	0-10	35-60	15-50	10-50	10-45	16-30	3-11
	5-7	Very channery loam, Extremely channery silt loam	GC, GC-GM, GM, GW-GC	A-1, A-2-4	0	5-20	35-55	10-40	10-40	5-35	16-30	3-11
	7-17	Bedrock	---	---	---	---	---	---	---	---	---	---
54F:												
Weikert, channery silt loam	0-4	Channery silt loam	CL, CL-ML, SC, SC-SM	A-4	0	0-5	65-80	50-75	45-75	35-70	16-31	2-11
	4-16	Very channery loam, Very channery silt loam	GC, GC-GM, SC, SC-SM	A-2-4, A-4	0	0-10	45-60	30-50	25-50	15-45	16-31	2-11
	16-26	Bedrock	---	---	---	---	---	---	---	---	---	---
Rock outcrop	0-60	Bedrock	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
54F:												
Rough, very channery silt loam	0-1	Very channery silt loam	GC, GC-GM, GM	A-1, A-2-4, A-4	0	0-10	45-60	30-50	25-50	20-45	16-30	3-11
	1-5	Very channery loam, Extremely channery silt loam	GC, GC-GM, GM, GW-GM, SC, SC-SM, SM	A-1, A-2-4, A-4	0	0-10	35-60	15-50	10-50	10-45	16-30	3-11
	5-7	Very channery loam, Extremely channery silt loam	GC, GC-GM, GM, GW-GC	A-1, A-2-4	0	5-20	35-55	10-40	10-40	5-35	16-30	3-11
	7-17	Bedrock	---	---	---	---	---	---	---	---	---	---
55C:												
Wharton, silt loam	0-3	Silt loam	CL, CL-ML	A-4	0	0-5	80-100	75-100	65-100	50-90	16-30	2-11
	3-8	Channery silt loam, Silty clay loam, Silt loam	CL, CL-ML	A-4, A-6	0	0-5	75-100	70-100	60-100	45-95	21-34	6-13
	8-44	Clay, Channery silty clay, Silty clay loam	CL	A-4, A-6	0	0-5	80-100	70-100	65-100	55-95	25-52	7-22
	44-62	Channery clay loam, Very channery silt loam, Silty clay loam	CL, SC	A-2-4, A-6	0	0-10	55-100	40-100	35-100	30-95	25-52	7-22

Engineering Properties (H)

Alleghany 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*	
55C:												
Blairton, silt loam	0-9	Silt loam	CL, CL-ML, ML	A-4	0	0	80-100	75-100	70-100	55-90	16-31	3-11
	9-31	Channery silt loam, Silty clay loam	CL, CL-ML	A-4, A-6	0	0-5	80-100	75-100	70-100	55-95	23-39	7-16
	31-38	Channery silty clay, Channery silty clay loam, Very channery silt loam	CL, SC	A-2-4, A-6, A-7-6	0	0-10	55-85	40-80	35-80	30-75	25-52	8-23
	38-48	Bedrock	---	---	---	---	---	---	---	---	---	---
55D:												
Wharton, silt loam	0-3	Silt loam	CL, CL-ML	A-4	0	0-5	80-100	75-100	65-100	50-90	16-30	2-11
	3-8	Channery silt loam, Silty clay loam, Silt loam	CL, CL-ML	A-4, A-6	0	0-5	75-100	70-100	60-100	45-95	21-34	6-13
	8-44	Clay, Channery silty clay, Silty clay loam	CL	A-4, A-6	0	0-5	80-100	70-100	65-100	55-95	25-52	7-22
	44-62	Channery clay loam, Very channery silt loam, Silty clay loam	CL, SC	A-2-4, A-6	0	0-10	55-100	40-100	35-100	30-95	25-52	7-22
Blairton, silt loam	0-9	Silt loam	CL, CL-ML, ML	A-4	0	0	80-100	75-100	70-100	55-90	16-31	3-11
	9-31	Channery silt loam, Silty clay loam	CL, CL-ML	A-4, A-6	0	0-5	80-100	75-100	70-100	55-95	23-39	7-16
	31-38	Channery silty clay, Channery silty clay loam, Very channery silt loam	CL, SC	A-2-4, A-6, A-7-6	0	0-10	55-85	40-80	35-80	30-75	25-52	8-23
	38-48	Bedrock	---	---	---	---	---	---	---	---	---	---

Engineering Properties (H)

Alleghany 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*	
56A:												
Wolfgap, loam, occasionally flooded	0-18	Loam	CL, CL-ML	A-4	0	0-10	85-100	80-100	70-95	50-75	18-25	4-8
	18-60	Clay loam, Gravelly silt loam, Loam, Sandy clay loam	CL, SC	A-2-4, A-4, A-6	0	0-15	70-100	60-100	50-100	20-90	23-39	7-16
57A:												
Wolfgap, loam, protected	0-18	Loam	CL, CL-ML	A-4	0	0-10	85-100	80-100	70-95	50-75	18-25	4-8
	18-60	Clay loam, Gravelly silt loam, Loam, Sandy clay loam	CL, SC	A-2-4, A-4, A-6	0	0-15	70-100	60-100	50-100	20-90	23-39	7-16
58B:												
Zoar, silt loam	0-8	Silt loam	CL, CL-ML	A-4	0	0-2	95-100	95-100	85-100	65-90	21-31	6-11
	8-15	Silty clay loam, Silt loam	CL, CL-ML	A-4, A-6	0	0-2	95-100	95-100	85-100	65-95	21-39	6-16
	15-42	Clay, Silty clay, Silty clay loam	CL	A-6, A-7	0	0-2	95-100	95-100	85-100	70-95	39-52	16-23
	42-60	Clay, Silty clay, Silty clay loam	CL	A-6, A-7	0	0-2	85-100	80-100	70-100	60-95	39-52	16-23
Purdy	---	---	---	---	---	---	---	---	---	---	---	---
59B:												
Zoar, silt loam	0-8	Silt loam	CL, CL-ML	A-4	0	0-2	95-100	95-100	85-100	65-90	21-31	6-11
	8-15	Silty clay loam, Silt loam	CL, CL-ML	A-4, A-6	0	0-2	95-100	95-100	85-100	65-95	21-39	6-16
	15-42	Clay, Silty clay, Silty clay loam	CL	A-6, A-7	0	0-2	95-100	95-100	85-100	70-95	39-52	16-23
	42-60	Clay, Silty clay, Silty clay loam	CL	A-6, A-7	0	0-2	85-100	80-100	70-100	60-95	39-52	16-23

Engineering Properties (H)

Alleghany 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*	
59B:												
Urban land	0-6	Variable	---	---	---	---	---	---	---	---	0-14	---
Purdy	---	---	---	---	---	---	---	---	---	---	---	---
W:												
Water	---	---	---	---	---	---	---	---	---	---	---	---