



ENGINEERING INDEX PROPERTIES--Continued  
 Lewis County, West Virginia: Detailed Soil Map Legend

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage Passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
GaD: Gilpin-----	0-7	silt loam	CL, CL-ML	A-4, A-6	0	0-5	80-95	75-90	70-85	65-80	20-40	4-15
	7-27	channery loam, channery silt loam, silty clay loam	CL, CL-ML, GC, SC	A-2, A-4, A-6	0	0-30	50-95	45-90	35-85	30-80	20-40	4-15
	27-30	channery loam, very channery silt loam, very channery silty clay loam	GC, GC-GM	A-1, A-2, A- 4, A-6	0	0-35	25-55	20-50	15-45	15-40	20-40	4-15
	30-34	unweathered bedrock			---	---	---	---	---	---	---	---
GaE: Gilpin-----	0-7	silt loam	CL, CL-ML	A-4, A-6	0	0-5	80-95	75-90	70-85	65-80	20-40	4-15
	7-27	channery loam, channery silt loam, silty clay loam	CL, CL-ML, GC, SC	A-2, A-4, A-6	0	0-30	50-95	45-90	35-85	30-80	20-40	4-15
	27-30	channery loam, very channery silt loam, very channery silty clay loam	GC, GC-GM	A-1, A-2, A- 4, A-6	0	0-35	25-55	20-50	15-45	15-40	20-40	4-15
	30-34	unweathered bedrock			---	---	---	---	---	---	---	---
GaF: Gilpin-----	0-7	silt loam	CL, CL-ML	A-4, A-6	0	0-5	80-95	75-90	70-85	65-80	20-40	4-15
	7-27	channery loam, channery silt loam, silty clay loam	CL, CL-ML, GC, SC	A-2, A-4, A-6	0	0-30	50-95	45-90	35-85	30-80	20-40	4-15
	27-30	channery loam, very channery silt loam, very channery silty clay loam	GC, GC-GM	A-1, A-2, A- 4, A-6	0	0-35	25-55	20-50	15-45	15-40	20-40	4-15
	30-34	unweathered bedrock			---	---	---	---	---	---	---	---
GDF: Gilpin-----	0-7	channery silt loam	CL, CL-ML, GC, SC	A-2, A-4, A-6	0-2	10-40	50-90	45-85	35-75	30-70	20-40	4-15
	7-27	channery silt loam, channery loam, silty clay loam	CL, CL-ML, GC-GM, SC	A-2, A-4, A-5	0	0-30	50-95	45-90	35-85	30-80	20-45	4-15
	27-30	channery loam, very channery silt loam, very channery silty clay loam	GC, GC-GM	A-1, A-2, A- 4, A-5	0	0-35	25-55	20-50	15-45	15-40	20-45	4-15
	30-34	unweathered bedrock			---	---	---	---	---	---	---	---
Dekalb-----	0-4	channery loam	CL-ML, GM, ML, SM	A-1, A-2, A-4	0-2	10-30	50-90	45-80	40-75	20-55	10-32	NP-10
	4-27	channery sandy	GC-GM, GM,	A-1, A-2, A-4	0	5-40	50-85	40-75	40-75	20-55	15-32	NP-9

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			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In	loam, channery loam, very channery sandy loam	ML, SM		Pct	Pct					Pct	
	27-34	channery sandy loam, flaggy sandy loam, very flaggy loamy sand	GC, GM, SC, SM	A-1, A-2, A-4	0	10-50	45-85	25-75	20-65	15-40	15-32	NP-9
	34-38	unweathered bedrock			---	---	---	---	---	---	---	---
Other soils-----	---	---	---	---	---	---	---	---	---	---	---	---
GuC: Gilpin-----	0-7	silt loam	CL, CL-ML	A-4, A-6	0	0-5	80-95	75-90	70-85	65-80	20-40	4-15
	7-27	channery loam, channery silt loam, silty clay loam	CL, CL-ML, GC, SC	A-2, A-4, A-6	0	0-30	50-95	45-90	35-85	30-80	20-40	4-15
	27-30	channery loam, very channery silt loam, very channery silty clay loam	GC, GC-GM	A-1, A-2, A- 4, A-6	0	0-35	25-55	20-50	15-45	15-40	20-40	4-15
	30-34	unweathered bedrock			---	---	---	---	---	---	---	---
Upshur-----	0-5	silt loam	CL, ML	A-4, A-6	0	0	95-100	95-100	85-100	65-90	15-60	5-15
	5-39	silty clay, clay	CH, CL, MH	A-7	0	0	95-100	95-100	90-100	85-100	45-80	20-40
	39-65	silty clay loam, silty clay, clay	CH, CL, MH, ML	A-6, A-7	0	0	80-100	65-100	60-100	55-95	35-55	11-25
Other soils-----	---	---	---	---	---	---	---	---	---	---	---	---
GuD: Gilpin-----	0-7	silt loam	CL, CL-ML	A-4, A-6	0	0-5	80-95	75-90	70-85	65-80	20-40	4-15
	7-27	channery loam, channery silt loam, silty clay loam	CL, CL-ML, GC, SC	A-2, A-4, A-6	0	0-30	50-95	45-90	35-85	30-80	20-40	4-15
	27-30	channery loam, very channery silt loam, very channery silty clay loam	GC-GM, GC	A-1, A-2, A- 4, A-6	0	0-35	25-55	20-50	15-45	15-40	20-40	4-15
	30-34	unweathered bedrock			---	---	---	---	---	---	---	---
Upshur-----	0-5	silt loam	CL, CL-ML, ML	A-4, A-6	0	0	95-100	95-100	85-100	65-90	15-60	5-15
	5-39	silty clay, clay	CH, CL, MH	A-7	0	0	95-100	95-100	90-100	85-100	45-75	20-40
	39-65	silty clay loam, silty clay, clay	CH, CL, MH, ML	A-6, A-7	0	0	80-100	65-100	60-100	55-95	35-55	11-25
Other soils-----	---	---	---	---	---	---	---	---	---	---	---	---
GuE: Gilpin-----	0-7	silt loam	CL, CL-ML	A-4, A-6	0	0-5	80-95	75-90	70-85	65-80	20-40	4-15
	7-27	channery loam,	CL, CL-ML,	A-2, A-4, A-6	0	0-30	50-95	45-90	35-85	30-80	20-40	4-15

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Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage Passing sieve number--				Liquid limit Pct	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In	channery silt loam, silty clay loam	GC, SC		Pct	Pct					Pct	
	27-30	channery loam, very channery silt loam, very channery silty clay loam	GC, GC-GM	A-1, A-2, A- 4, A-6	0	0-35	25-55	20-50	15-45	15-40	20-40	4-15
	30-34	unweathered bedrock			---	---	---	---	---	---	---	---
Upshur-----	0-5	silt loam	CL, CL-ML, ML	A-4, A-6	0	0	95-100	95-100	85-100	65-90	15-60	5-15
	5-39	silty clay, clay	CH, CL, MH	A-7	0	0	95-100	95-100	90-100	85-100	45-75	20-40
	39-65	silty clay loam, silty clay, clay	CH, CL, MH, ML	A-6, A-7	0	0	80-100	65-100	60-100	55-95	35-55	11-25
Other soils----	---	---	---	---	---	---	---	---	---	---	---	---
GwF3:												
Gilpin-----	0-7	silt loam	CL, CL-ML	A-4, A-6	0	0-5	80-95	75-90	70-85	65-80	20-40	4-15
	7-27	channery loam, channery silt loam, silty clay loam	CL, CL-ML, GC, SC	A-2, A-4, A-6	0	0-30	50-95	45-90	35-85	30-80	20-40	4-15
	27-30	channery loam, very channery silt loam, very channery silty clay loam	GC, GC-GM	A-1, A-2, A- 4, A-6	0	0-35	25-55	20-50	15-45	15-40	20-40	4-15
	30-34	unweathered bedrock			---	---	---	---	---	---	---	---
Upshur-----	0-5	silt loam	CL, CL-ML, ML	A-4, A-6	0	0	95-100	95-100	85-100	65-90	15-60	5-15
	5-39	silty clay, clay	CH, CL, MH	A-7	0	0	95-100	95-100	90-100	85-100	45-75	20-40
	39-65	channery silty clay loam, silty clay, clay	CH, CL, MH, ML	A-6, A-7	0	0	80-100	65-100	60-100	55-95	35-55	11-25
Other soils----	---	---	---	---	---	---	---	---	---	---	---	---
Ha:												
Hackers-----	0-10	silt loam	CL, CL-ML, ML	A-4, A-6	0	0	90-100	90-100	75-100	60-90	20-35	3-12
	10-54	silt loam, clay loam, silty clay loam	CL, CL-ML, ML	A-4, A-6	0	0	90-100	90-100	90-100	75-95	15-60	4-18
	54-65	stratified fine sandy loam to silty clay loam	CL, ML, SC, SM	A-4, A-6	0	0	85-100	60-100	55-95	40-85	20-40	1-15
JaE:												
Janelew-----	0-3	channery silt loam	CL, CL-ML, GC-GM, ML	A-4, A-6	0	0-5	55-80	50-75	45-70	40-65	15-60	4-18
	3-65	channery silty clay loam, very channery silty clay loam	GC, SC	A-2, A-4, A-6	0	10-25	35-70	30-65	30-60	25-50	25-40	8-14





