

TABLE 20.--ENGINEERING INDEX PROPERTIES

(The symbol < means less than; > means more than. Absence of an entry indicates that data were not estimated)

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	
AmD2: Amanda-----	0-9	Silt loam	ML, CL-ML, CL	A-4, A-6	0	0-5	90-100	85-100	75-100	55-90	20-40	3-15
	9-42	Silty clay loam, clay loam, loam	CL, CL-ML	A-4, A-6	0	0-5	90-100	85-100	80-100	60-95	25-40	5-20
	42-80	Silt loam, loam	ML, CL-ML, CL	A-4, A-6	0-1	0-5	95-100	85-95	65-95	50-75	20-35	3-15
AmE: Amanda-----	0-9	Silt loam	ML, CL-ML, CL	A-4, A-6	0	0-5	90-100	85-100	75-100	55-90	20-40	3-15
	9-43	Silty clay loam, clay loam, loam	CL, CL-ML	A-4, A-6	0	0-5	90-100	85-100	80-100	60-95	25-40	5-20
	43-80	Silt loam, loam	ML, CL-ML, CL	A-4, A-6	0-1	0-5	95-100	85-95	65-95	50-75	20-35	3-15
AmF: Amanda-----	0-8	Silt loam	ML, CL-ML, CL	A-4, A-6	0	0-5	90-100	85-100	75-100	55-90	20-40	3-15
	8-48	Silty clay loam, silt loam, clay loam	CL, CL-ML	A-4, A-6	0	0-5	90-100	85-100	80-100	60-95	25-40	5-20
	48-80	Loam, silt loam	ML, CL-ML, CL	A-4, A-6	0-1	0-5	95-100	85-95	65-95	50-75	20-35	3-15
BeA: Bennington-----	0-10	Silt loam	ML, CL, CL-ML	A-4, A-6	0	0-2	95-100	90-100	85-100	65-90	25-40	3-15
	10-54	Silty clay loam, clay loam, clay	CL, CH	A-7, A-6	0	0-2	95-100	90-100	75-100	70-95	30-52	12-30
	54-80	Silty clay loam, clay loam, silt loam	CL, CL-ML	A-6, A-4	0-1	0-2	80-100	80-95	70-95	55-90	25-40	6-20
BeB: Bennington-----	0-9	Silt loam	ML, CL, CL-ML	A-4, A-6	0	0-2	95-100	90-100	85-100	65-90	25-40	3-15
	9-55	Silty clay loam, clay loam, clay	CL, CH	A-7, A-6	0	0-2	95-100	90-100	75-100	70-95	30-52	12-30
	55-80	Silty clay	CL, CL-ML	A-6, A-4	0-1	0-2	80-100	80-95	70-95	55-90	25-40	6-20

		loam, clay loam, silt loam											
BoA: Blount-----	0-9	Silt loam	CL	A-6, A-4	0	0-5	95-100	95-100	90-100	80-95	25-40	8-20	
	9-27	Silty clay loam, clay, clay loam	CH, CL	A-7, A-6	0-1	0-5	95-100	85-95	70-90	60-90	35-60	15-35	
	27-38	Silty clay loam, clay loam	CL	A-6, A-7	0-1	0-5	95-100	75-95	65-90	60-90	35-50	10-25	
	38-80	Silty clay loam, clay loam	CL	A-6, A-7	0-1	0-5	90-100	75-95	65-95	60-90	35-50	10-25	
BoB: Blount-----	0-8	Silt loam	CL	A-6, A-4	0	0-5	95-100	95-100	90-100	80-95	25-40	8-20	
	8-32	Silty clay loam, clay, clay loam	CH, CL	A-7, A-6	0-1	0-5	95-100	85-95	70-90	60-90	35-60	15-35	
	32-42	Silty clay loam, clay loam	CL	A-6, A-7	0-1	0-5	95-100	75-95	65-90	60-90	35-50	10-25	
	42-80	Silty clay loam, clay loam	CL	A-6, A-7	0-1	0-5	90-100	75-95	65-95	60-90	35-50	10-25	

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	
CaB: Cardington-----	0-8	Silt loam	ML, CL-ML, CL	A-4, A-6	0	0-2	95-100	90-100	80-100	65-90	20-40	4-15
	8-38	Silty clay loam, clay loam, silty clay	CL, CH	A-7, A-6	0	0-2	80-100	75-100	70-100	65-90	30-50	10-30
	38-60	Clay loam, silty clay loam, silt loam	CL, ML, CL-ML	A-6, A-4	0-1	0-5	80-100	80-95	70-95	55-85	22-40	3-20
CaC2: Cardington-----	0-9	Silt loam	ML, CL-ML, CL	A-4, A-6	0	0-2	95-100	90-100	80-100	65-90	20-40	4-15
	9-43	Silty clay loam, silty	CL, CH	A-7, A-6	0	0-2	80-100	75-100	70-100	65-90	30-50	10-30

	43-80	clay, clay loam Silty clay loam, clay loam, silt loam	CL, ML, CL-ML	A-6, A-4	0-1	0-5	80-100	80-95	70-95	55-85	22-40	3-20
CeB: Centerburg-----	0-6	Silt loam	ML, CL-ML, CL	A-4, A-6	0	0-5	90-100	85-100	80-100	65-90	20-30	3-15
	6-12	Silty clay loam, clay loam, silt loam	CL, CL-ML	A-6, A-4	0	0-5	90-100	75-100	70-100	55-90	25-40	5-20
	12-50	Clay loam, loam, silt loam	CL, CL-ML	A-4, A-6	0	0-5	85-100	75-95	70-95	55-85	25-40	5-20
	50-80	Loam, silt loam	ML, CL-ML, CL	A-4, A-6	0-1	0-5	85-100	75-95	65-95	50-85	20-30	3-15
CeC2: Centerburg-----	0-7	Silt loam	ML, CL-ML, CL	A-4, A-6	0	0-5	90-100	85-100	80-100	65-90	20-30	3-15
	7-31	Clay loam, silty clay loam, silt loam	CL, CL-ML	A-6, A-4	0	0-5	85-100	75-95	70-95	55-85	25-40	5-20
	31-80	Loam, silt loam	ML, CL-ML, CL	A-4, A-6	0-1	0-5	85-100	75-95	65-95	50-85	20-30	3-15
CnA: Condit-----	0-10	Silt loam	ML, CL, CL-ML	A-4, A-6	0	0-2	95-100	95-100	90-100	80-90	22-40	3-16
	10-70	Silty clay loam, clay loam	CL, CH	A-6, A-7	0	0-2	95-100	85-100	80-100	70-90	35-55	12-28
	70-80	Silty clay loam, clay loam	CL, CL-ML	A-6, A-4	0-1	0-2	90-100	80-100	70-95	65-85	25-40	6-20
EdA: Edwards-----	0-19	Muck	PT	A-8	0	0	0	0	0	0	---	NP
	19-80	Marl			0	0	0	0	0	0	---	NP

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
GaC2: Gallman-----	0-7	Loam	ML, CL-ML, CL	A-4	0	0	90-100	85-100	65-100	50-100	25-35	4-10
	7-50	Gravelly clay	CL-ML, SC,	A-6, A-4, A-2	0	0	70-100	45-95	35-90	30-70	20-40	5-17

		loam, gravelly loam, very gravelly loam	CL, GC										
	50-80	Very gravelly sandy loam, loam, sandy loam	CL, CL-ML, GC, SC	A-2, A-4, A-6	0	0	60-100	45-90	40-80	30-65	15-30	5-15	
GbA: Gallman-----	0-10	Silt loam	ML, CL-ML, CL	A-4	0	0	90-100	85-100	65-100	50-100	20-35	3-10	
	10-56	Gravelly clay loam, clay loam, sandy clay loam	CL, CL-ML, GC, SC	A-4, A-2, A-6	0	0	70-100	45-95	35-90	30-70	20-40	5-17	
	56-80	Gravelly loam, loam, very gravelly sandy loam	CL, CL-ML, SC, GC	A-4, A-2, A-6	0	0	60-100	45-90	40-80	30-65	15-30	5-15	
GbB: Gallman-----	0-9	Silt loam	ML, CL-ML, CL	A-4	0	0	90-100	85-100	65-100	50-100	20-35	3-10	
	9-73	Loam, sandy clay loam, very gravelly clay loam	CL, CL-ML, GC, SC	A-4, A-2, A-6	0	0	70-100	45-95	35-90	30-70	20-40	5-17	
	73-80	Loam, gravelly loam, very gravelly sandy loam	CL, CL-ML, SC, GC	A-4, A-2, A-6	0	0	60-100	45-90	40-80	30-65	15-30	5-15	
GcB: Gallman-----	0-12	Silt loam	ML, CL-ML, CL	A-4, A-6	0	0	95-100	95-100	85-95	70-95	20-40	4-15	
	12-60	Gravelly clay loam, sandy clay loam, very gravelly coarse sandy loam	CL, SM, GC, SC	A-2, A-4, A-6	0	0-2	75-100	45-95	40-95	30-85	20-40	5-20	
	60-65	Very gravelly sandy loam, loam, sandy loam	GM, SP-SM, SM	A-2, A-4	0	0-2	60-95	45-95	30-75	10-50	0-20	NP-10	
	65-80	Silty clay loam	CL, CL-ML	A-6, A-4	0-1	0-5	95-100	85-100	80-95	65-90	20-40	5-20	

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	
GwB:													
Glynwood-----	0-8	Silt loam	CL-ML, CL	A-4, A-6	0	0	95-100	90-100	80-100	55-90	23-40	4-20	
	8-25	Silty clay loam, clay, clay loam	CL, CH	A-7, A-6	0-1	0-5	95-100	85-100	75-100	65-95	35-60	15-35	
	25-33	Silty clay loam, clay loam	CL	A-6, A-4, A-7	0-1	0-5	95-100	75-95	65-95	65-90	35-50	10-25	
	33-80	Silty clay loam, clay loam	CL	A-6, A-7	0-1	0-5	95-100	75-95	65-95	65-90	35-50	10-25	
GwC2:													
Glynwood-----	0-7	Silt loam	CL-ML, CL	A-4, A-6	0	0	95-100	90-100	80-100	55-90	23-40	4-20	
	7-22	Silty clay loam, clay, clay loam	CL, CH	A-7, A-6	0-1	0-5	95-100	85-100	75-100	65-95	35-60	15-35	
	22-36	Silty clay loam, clay loam	CL	A-6, A-4, A-7	0-1	0-5	95-100	75-95	65-95	65-90	35-50	10-25	
	36-80	Silty clay loam, clay loam	CL	A-6, A-7	0-1	0-5	95-100	75-95	65-95	65-90	35-50	10-25	
GzC3:													
Glynwood-----	0-7	Silty clay loam	CL	A-6, A-7	0	0-2	95-100	90-100	80-100	65-95	25-45	10-25	
	7-18	Silty clay, clay, clay loam	CL, CH	A-7, A-6	0-1	0-5	95-100	85-100	75-100	65-95	35-60	15-35	
	18-36	Silty clay loam, clay loam	CL	A-6, A-4, A-7	0-1	0-5	95-100	75-95	65-95	65-90	35-50	10-25	
	36-80	Silty clay loam, clay loam	CL	A-6, A-7	0-1	0-5	95-100	75-95	65-95	65-90	35-50	10-25	
HeF:													
Heverlo-----	0-10	Silt loam	CL-ML, CL	A-4, A-6	0	0-5	90-100	85-100	80-100	60-90	20-30	5-15	
	10-27	Silty clay loam, channery clay loam, gravelly clay	CL, GM, GC, SC	A-6, A-7	0	0-5	70-100	50-95	50-90	40-90	40-50	20-30	
	27-37	Weathered bedrock			0	0	0	0	0	0	---	NP	
HyA:													
Hyatts-----	0-11	Silt loam	CL, CL-ML	A-4, A-6	0	0-2	95-100	90-100	85-100	65-90	20-30	5-15	
	11-35	Silty clay loam, silty clay	CL	A-6, A-7	0	0-2	85-100	85-100	75-100	70-95	40-50	20-25	

	35-46	Silty clay, channery silty clay loam	CH, CL	A-7	0	0-5	85-100	65-100	65-95	60-95	40-60	20-35
	46-56	Weathered bedrock			0	0	0	0	0	0	---	NP
HyB:												
Hyatts-----	0-9	Silt loam	CL, CL-ML	A-4, A-6	0	0-2	95-100	90-100	85-100	65-90	20-30	5-15
	9-50	Silty clay loam, silty clay	CL	A-6, A-7	0	0-2	85-100	85-100	75-100	70-95	40-50	20-25
	50-58	Silty clay loam, channery silty clay loam, channery silty clay	CH, CL	A-7	0	0-5	85-100	65-100	65-95	60-95	40-60	20-35
	58-68	Weathered bedrock			0	0	0	0	0	0	---	NP
JmA:												
Jimtown-----	0-10	Silt loam	ML, CL-ML, CL	A-4	0	0	95-100	90-100	60-95	50-80	20-30	NP-10
	10-47	Silty clay loam, silt loam, sandy loam	CL-ML, CL, SM, SC	A-4, A-6, A-2	0	0-2	75-100	55-100	45-95	30-75	25-40	4-15
	47-80	Stratified sandy loam to gravelly clay loam	SM, GM	A-1, A-4, A-2	0	0-5	45-90	30-90	20-75	10-50	15-30	5-15

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	
LbF:												
Latham-----	0-3	Silt loam	CL-ML, CL	A-4, A-6	0	0-5	85-100	80-100	70-100	65-90	20-40	5-15
	3-30	Silty clay, silty clay loam, channery silty clay loam	CH, CL	A-7	0	0-10	85-100	55-95	55-95	50-90	40-65	20-40
	30-40	Weathered bedrock			0	0	0	0	0	0	---	NP
Brecksville-----	0-3	Silt loam	CL, CL-ML	A-4, A-6	0	0	90-100	85-100	75-100	60-90	25-40	5-15
	3-22	Silty clay loam, channery	CL, GC	A-6, A-7	0	0-10	70-95	45-95	40-95	40-90	30-50	10-25

	22-32	silty clay loam, very channery silty clay loam Weathered bedrock			0	0	0	0	0	0	---	NP
LeE: Leoni-----	0-7	Gravelly loam, very gravelly loam	SM, SC	A-2, A-4	0-2	0-5	75-95	45-75	40-70	30-50	0-30	NP-7
	7-37	Very gravelly clay loam, very gravelly loam, very gravelly sandy loam	SC, SW-SM	A-6, A-4, A-2	0-2	0-5	70-90	25-50	15-45	10-40	20-40	10-15
	37-80	Very gravelly sandy loam, gravelly loamy sand, loamy sand	SC, SW-SM	A-2, A-1, A-4	0-2	0-10	60-90	45-85	10-60	5-40	0-20	NP-8
LoA: Lobdell-----	0-9	Silt loam	ML, CL-ML, CL	A-4	0	0	95-100	90-100	80-100	65-90	20-30	NP-10
	9-48	Loam, clay loam, silt loam	ML, SM, CL-ML, CL	A-4	0	0-5	85-100	75-95	60-90	45-80	15-35	NP-10
	48-65	Stratified very channery clay loam to very channery loam	SM, SC, ML, CL	A-2, A-4, A-1	0-5	5-30	65-90	35-75	30-70	20-65	0-30	NP-15
LsA: Lobdell-----	0-11	Silt loam	ML, CL-ML, CL	A-4	0	0	95-100	90-100	80-100	65-90	20-30	NP-10
	11-44	Loam, silt loam, clay loam	ML, CL-ML, CL	A-4	0	0-5	85-100	75-95	60-90	45-80	20-35	NP-15
	44-80	Stratified channery loam to very channery sandy loam	SM, SC, ML, CL	A-2, A-4, A-1	0-5	5-30	65-90	35-75	30-70	20-65	0-30	NP-15
Sloan-----	0-8	Silt loam	CL, CL-ML, ML	A-4	0	0	100	95-100	80-95	70-90	20-30	4-10
	8-19	Silty clay loam	CL	A-6, A-7-6	0	0	100	95-100	90-100	85-95	30-48	10-25
	19-25	Silty clay loam, silt loam, clay loam	CL, CL-ML	A-4, A-6, A-7	0	0	95-100	90-100	60-90	50-80	20-45	5-18
	25-64	Stratified silty clay	SM, CL, CL-ML, GC	A-4, A-6, A-2-4, A-2-6	0	0	60-95	50-95	40-85	25-70	20-40	4-12

	64-80	loam to loam Clay loam	CL	A-6, A-7-6	0-1	0-5	90-100	75-95	70-95	65-85	30-45	NP-30
LvB: Loudonville-----	0-12	Silt loam	ML, CL-ML, CL	A-4, A-6	0	0-1	95-100	90-100	75-95	55-90	20-35	2-15
	12-33	Silty clay loam, silt loam, channery clay loam	SM, CL, CL-ML, SC	A-4, A-6, A-7	0	0-2	90-100	60-95	50-90	40-85	25-42	6-20
	33-34	Unweathered bedrock			0	0	0	0	0	0	---	NP

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	
LyD2: Lybrand-----	0-9	Silt loam	CL	A-6, A-4	0	0-5	95-100	95-100	90-100	70-90	30-40	10-15
	9-33	Silty clay loam, silty clay, clay loam	CL, CH	A-7	0-1	0-5	95-100	85-100	85-95	65-90	40-60	20-30
	33-45	Silty clay loam, clay loam	CL	A-6, A-4, A-7	0-1	0-5	95-100	75-95	65-95	65-90	35-50	10-25
	45-80	Silty clay loam, clay loam	CL	A-7, A-6	0-1	0-5	95-100	75-95	65-95	65-90	35-50	10-25
LyE2: Lybrand-----	0-7	Silt loam	CL	A-6, A-4	0	0-5	95-100	95-100	90-100	70-90	30-40	10-15
	7-25	Silty clay loam, silty clay, clay loam	CL, CH	A-7	0-1	0-5	95-100	85-100	85-95	65-90	40-60	20-30
	25-37	Silty clay loam, clay loam	CL	A-6, A-4, A-7	0-1	0-5	95-100	75-95	65-95	65-90	35-50	10-25
	37-80	Silty clay loam, clay loam	CL	A-7, A-6	0-1	0-5	95-100	75-95	65-95	65-90	35-50	10-25
LzD3: Lybrand-----	0-2	Silty clay loam	CL	A-6, A-7	0	0-5	95-100	90-100	85-95	80-90	35-45	15-20
	2-15	Silty clay loam, silty clay, clay	CL, CH	A-7	0-1	0-5	95-100	85-100	85-95	65-90	40-60	20-30

	15-32	loam Silty clay loam, clay loam	CL	A-6, A-4, A-7	0-1	0-5	95-100	75-95	65-95	65-90	35-50	10-25
	32-80	Silty clay loam, clay loam	CL	A-7, A-6	0-1	0-5	95-100	75-95	65-95	65-90	35-50	10-25
MaB:												
Martinsville----	0-7	Loam	CL, CL-ML, ML	A-4, A-6	0	0	100	85-100	70-100	50-90	23-40	3-20
	7-40	Clay loam, loam, sandy clay loam	SC-SM, CL-ML, CL, SC	A-2, A-4, A-6, A-7	0	0	95-100	85-100	70-100	30-75	20-50	5-30
	40-80	Sandy clay loam, clay loam, sandy loam	SM, SC-SM, CL-ML, SC	A-4, A-2-4, A-6, A-2-6	0	0	95-100	85-100	50-95	25-70	15-30	5-15
MbB:												
Martinsville----	0-11	Loam	CL-ML, CL	A-4, A-6	0	0	100	90-100	75-100	55-90	0-30	4-11
	11-55	Clay loam, loam, sandy loam	CL	A-4, A-6	0	0	100	90-100	75-100	55-90	25-40	9-20
	55-65	Stratified sandy loam to loamy sand	SC-SM, SC, CL, CL-ML	A-4, A-6, A-2-4, A-2-6	0	0	95-100	85-100	50-95	30-65	10-30	5-10
	65-80	Loam	CL-ML, ML, CL	A-4, A-6	0	0-3	90-100	85-95	70-85	50-75	15-40	5-20
McD2:												
Mentor-----	0-7	Silt loam	ML, CL, CL-ML	A-4, A-6	0	0	95-100	95-100	90-100	70-90	20-35	3-14
	7-62	Silty clay loam, silt loam	CL, CL-ML	A-4, A-6	0	0	95-100	95-100	90-100	80-95	20-40	4-18
	62-80	Stratified silt to very fine sandy loam	ML, CL, SM, SC	A-4, A-6	0	0	90-100	85-100	80-95	45-85	20-40	2-15

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10	3-10	4	10	40	200		
					inches	inches						
	In				Pct	Pct					Pct	
MfA:												
Millgrove-----	0-12	Silt loam	ML, CL, CL-ML	A-4, A-6	0	0	95-100	90-95	70-95	55-90	20-40	3-16
	12-38	Clay loam, silty clay loam, loam	CL, SC	A-6	0	0	85-100	80-100	70-95	40-75	25-40	11-26
	38-50	Gravelly loam,	CL, CL-ML, SC	A-4, A-6, A-2	0	0-5	60-95	35-85	35-80	30-60	20-40	4-15

	50-80	clay loam, very gravelly sandy loam Stratified extremely gravelly loam to very cobbly coarse sandy loam	SC, SC-SM, SW-SM	A-2, A-4	0	0-5	60-85	10-50	10-45	5-40	15-35	NP-10
MgA:												
Millgrove-----	0-15	Silty clay loam	CL, ML	A-4, A-6, A-7	0	0	85-100	80-100	75-100	70-95	25-45	7-16
	15-45	Silty clay loam, loam, clay loam	CL, SC	A-6	0	0	85-100	80-100	70-95	40-75	25-40	11-26
	45-55	Gravelly silt loam, gravelly clay loam, very gravelly sandy loam	CL, CL-ML, SC	A-4, A-6, A-2	0	0-5	60-95	35-85	35-80	30-60	20-40	4-15
	55-80	Stratified very gravelly loam to very gravelly silt loam	SC, SC-SM, SW-SM	A-2, A-4	0	0-5	60-85	10-50	10-45	5-40	15-35	NP-10
MhA:												
Millgrove-----	0-10	Silty clay loam	CL	A-6, A-7	0	0	90-100	80-100	75-95	70-90	30-40	10-20
	10-27	Silty clay loam, clay loam, loam	CL, CL-ML	A-6, A-7, A-4	0	0	90-100	75-90	70-90	65-90	20-40	5-15
	27-34	Very gravelly clay loam, gravelly loam, gravelly sandy loam	CL-ML, CL, GC, SC	A-2, A-4, A-6	0-5	5-50	50-80	40-70	35-65	30-65	20-40	5-15
	34-80	Stratified extremely gravelly loam to extremely cobbly sandy loam	CL-ML, ML, GM, SC	A-2, A-4, A-1	0-10	10-50	40-80	35-70	30-60	20-55	0-20	NP-10
MoB:												
Milton-----	0-10	Silt loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-100	70-95	20-40	4-20
	10-28	Clay loam, clay, silty clay loam	CL, CH	A-6, A-7	0	0	95-100	80-100	75-100	70-95	32-60	12-30
	28-31	Extremely gravelly clay loam, silty	CH, CL, GM, GC	A-7, A-6	0-1	0-15	45-100	30-95	30-95	25-90	32-55	14-33

	31-32	clay loam, clay Unweathered bedrock			0	0	0	0	0	0	---	NP
MoC2: Milton-----	0-10	Silt loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-100	70-95	20-40	4-20
	10-28	Silty clay loam, loam, clay	CL, CH	A-6, A-7	0	0	95-100	80-100	75-100	70-95	32-60	12-30
	28-29	Unweathered bedrock			0	0	0	0	0	0	---	NP

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	
MpD2: Milton-----	0-8	Silt loam	CL, CL-ML	A-4, A-6	0	0	95-100	90-100	85-100	70-95	20-40	4-20
	8-22	Silty clay loam, clay loam, clay	CL, CH	A-6, A-7	0	0	95-100	80-100	75-100	70-95	32-60	12-30
	22-23	Unweathered bedrock			0	0	0	0	0	0	---	NP
Lybrand-----	0-7	Silt loam	CL	A-6, A-4	0	0-5	95-100	95-100	90-100	70-90	30-40	10-15
	7-30	Silty clay loam, silty clay, clay loam	CL, CH	A-7	0-1	0-5	95-100	85-100	85-95	65-90	40-60	20-30
	30-48	Silty clay loam, clay loam	CL	A-6, A-4, A-7	0-1	0-5	95-100	75-95	65-95	65-90	35-50	10-25
	48-80	Silty clay loam, clay loam	CL	A-7, A-6	0-1	0-5	95-100	75-95	65-95	65-90	35-50	10-25
PaA: Pacer-----	0-14	Silt loam	CL, CL-ML	A-4, A-6	0	0	95-100	80-100	75-100	75-95	20-40	5-15
	14-51	Gravelly clay loam, very gravelly loam, gravelly sandy clay loam	CL, SC, GC, GM	A-6, A-4, A-2	0	0-2	60-100	35-75	35-70	20-60	30-40	10-20
	51-80	Silt loam, loam	CL, CL-ML	A-6, A-4	0	0-1	95-100	80-97	75-95	70-95	20-40	5-15
PwA: Pewamo-----	0-13	Silty clay	CL	A-6, A-7	0	0-5	95-100	90-100	75-100	70-90	35-50	15-25

		loam, silty clay											
	13-57	Silty clay, silty clay loam, clay loam	CL, CH	A-7	0	0-5	95-100	85-100	75-100	75-95	40-55	20-35	
	57-80	Silty clay loam, clay loam	CL	A-7	0	0-5	95-100	75-100	75-100	70-90	35-50	15-25	
Pz: Pits.													
RdB2: Rarden-----	0-3	Silt loam	ML, CL-ML, CL	A-4, A-6	0	0	100	95-100	90-100	85-95	25-40	4-15	
	3-33	Silty clay, silty clay loam, channery clay	CH, CL	A-7	0	0-10	85-100	70-100	65-100	60-100	40-70	20-40	
	33-43	Weathered bedrock			0	0	0	0	0	0	---	NP	
RdC2: Rarden-----	0-3	Silt loam	ML, CL-ML, CL	A-4, A-6	0	0	100	95-100	90-100	85-95	25-40	4-15	
	3-34	Silty clay, silty clay loam, channery clay	CH, CL	A-7	0	0-10	85-100	70-100	65-100	60-100	40-70	20-40	
	34-44	Weathered bedrock			0	0	0	0	0	0	---	NP	
RdF2: Rarden-----	0-3	Silt loam	ML, CL-ML, CL	A-4, A-6	0	0	100	95-100	90-100	85-95	25-40	4-15	
	3-38	Silty clay, silty clay loam, channery clay	CH, CL	A-7	0	0-10	85-100	70-100	65-100	60-100	40-70	20-40	
	38-48	Weathered bedrock			0	0	0	0	0	0	---	NP	
RoA: Rossburg-----	0-20	Silt loam	CL-ML, CL	A-4, A-6	0	0	95-100	90-100	80-100	60-90	20-35	5-15	
	20-67	Silt loam, loam	CL-ML, CL	A-4, A-6	0	0	90-100	85-100	70-95	50-80	20-35	5-15	
	67-80	Stratified silt loam to loam	ML, CL, SM, SC	A-4, A-2-4	0	0	80-100	70-100	45-90	27-70	15-25	NP-10	

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		

	In				Pct	Pct					Pct	
RsA:												
Rossburg-----	0-12	Silt loam	CL-ML, CL	A-4, A-6	0	0	95-100	90-100	80-100	60-90	20-35	5-15
	12-40	Silt loam, loam	CL-ML, CL	A-4, A-6	0	0	90-100	85-100	70-95	50-80	20-35	5-15
	40-80	Stratified silt loam to gravelly sandy loam	ML, CL, SM, SC	A-4, A-2-4	0	0	80-100	70-100	45-90	27-70	15-25	NP-10
Sloan-----	0-15	Silt loam	CL, ML, CL-ML	A-6, A-4	0	0	100	95-100	85-100	70-95	20-40	3-15
	15-35	Silt loam, silty clay loam, clay loam	CL	A-6, A-7, A-4	0	0	100	90-100	85-100	75-95	30-45	8-18
	35-80	Stratified silty clay loam to gravelly loam	ML, CL	A-4, A-6	0	0	85-100	50-100	45-95	40-90	25-40	3-15
ScA:												
Scioto-----	0-10	Silt loam	CL, CL-ML	A-4, A-6	0	0-5	95-100	80-100	80-100	70-95	20-40	5-15
	10-16	Clay, clay loam, silty clay loam	CL, CH	A-7	0	0-5	95-100	80-95	75-95	70-90	40-60	20-30
	16-51	Extremely cobbly silt loam, extremely cobbly loam, extremely cobbly silty clay loam	GM, GC, SC, SW-SC	A-2	0-5	5-50	60-80	30-50	15-35	5-35	30-40	10-20
	51-80	Extremely stony coarse sandy loam, extremely cobbly loamy coarse sand, extremely cobbly loam	GP-GM, GP-GC, SM, SW-SM	A-2, A-1-B	0-40	10-50	60-80	10-30	5-15	5-10	0-30	NP-10
ScB:												
Scioto-----	0-12	Silt loam	CL, CL-ML	A-4, A-6	0	0-5	95-100	80-100	80-100	70-95	20-40	5-15
	12-20	Silty clay loam, clay loam, clay	CL, CH	A-7	0	0-5	95-100	80-95	75-95	70-90	40-60	20-30
	20-37	Very gravelly silty clay loam, extremely gravelly loam,	GM, GC, SC, SW-SC	A-2	0-5	5-50	60-80	30-50	15-35	5-35	30-40	10-20

	37-80	extremely cobbly silt loam Extremely stony sandy loam, extremely cobbly loamy coarse sand, extremely cobbly loam	GP-GM, GP-GC, SM, SW-SM	A-2, A-1-B	0-40	10-50	60-80	10-30	5-15	5-10	0-30	NP-10
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Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
SdC2: Scioto-----	0-5	Silty clay loam	CL	A-6, A-7	0	0-5	95-100	80-100	80-100	75-95	35-45	15-20
	5-15	Silty clay loam, silty clay, clay loam	CL, CH	A-7	0	0-5	95-100	80-95	75-95	70-90	40-60	20-30
	15-55	Very gravelly silt loam, extremely cobbly clay loam, extremely gravelly silty clay loam	GM, GC, SC, SW-SC	A-2	0-5	5-50	60-80	30-50	15-35	5-35	30-40	10-20
	55-80	Extremely cobbly loam, extremely cobbly loamy coarse sand, extremely stony coarse sandy loam	GP-GM, GP-GC, SM, SW-SM	A-2, A-1-B	0-40	10-50	60-80	10-30	5-15	5-10	0-30	NP-10
SfA: Scioto-----	0-14	Silt loam	CL, CL-ML	A-4, A-6	0	0	95-100	80-100	90-100	70-95	20-40	5-15
	14-20	Clay loam, clay, silty clay loam	CL, CH	A-7	0	0	95-100	80-95	75-95	70-90	40-60	20-30
	20-40	Extremely cobbly clay loam, extremely	SW-SC, SC, GM, GC	A-2	0-5	5-50	60-80	30-50	15-35	5-35	30-40	10-20

		cobbly loam, very gravelly silt loam											
	40-80	Extremely cobbly sandy loam, extremely cobbly loam, extremely stony loamy coarse sand	GP-GM, GP-GC, SM, SW-SM	A-2, A-1-B	0-40	10-50	60-80	10-30	5-15	5-10	0-30	NP-10	
SgA:													
Shoals-----	0-10	Silt loam	CL, CL-ML	A-4, A-6	0	0	100	95-100	90-100	65-90	20-35	6-15	
	10-29	Silt loam, loam, sandy loam	CL, CL-ML	A-4, A-6	0	0	100	95-100	90-100	75-85	25-40	5-15	
	29-60	Stratified silt loam to sandy loam	ML, CL-ML, SM, CL	A-4	0	0-3	90-100	75-100	50-80	40-70	15-30	5-15	
SkA:													
Sloan-----	0-12	Silt loam	CL, ML, CL-ML	A-6, A-4	0	0	100	95-100	85-100	70-95	20-40	3-15	
	12-48	Silty clay loam, clay loam, silt loam	CL, ML	A-6, A-7, A-4	0	0	100	90-100	85-100	75-95	30-45	8-18	
	48-80	Stratified gravelly clay loam to gravelly silt loam	ML, CL	A-4, A-6	0	0	85-100	50-100	45-95	40-90	25-40	3-15	
SnA:													
Sloan-----	0-13	Silt loam	CL, CL-ML, ML	A-4	0	0	100	95-100	80-95	70-90	20-30	4-10	
	13-19	Silty clay loam	CL	A-6, A-7-6	0	0	100	95-100	90-100	85-95	30-48	10-25	
	19-37	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6, A-7	0	0	95-100	90-100	60-90	50-80	20-45	5-18	
	37-61	Stratified silt loam to very gravelly loam	SM, CL, CL-ML, GC	A-4, A-6, A-2-4, A-2-6	0	0	60-95	50-95	40-85	25-70	20-40	4-12	
	61-80	Clay loam	CL	A-6, A-7-6	0-1	0-5	90-100	75-95	70-95	65-85	30-45	NP-30	

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10	3-10	4	10	40	200		
					inches	inches						
	In				Pct	Pct					Pct	

SoA:												
Sloan-----	0-12	Silty clay loam	CL	A-6, A-7-6	0	0	100	95-100	85-95	80-95	30-45	10-20
	12-22	Silty clay loam	CL	A-6, A-7-6	0	0	100	95-100	90-100	85-95	30-48	10-25
	22-47	Loam, clay loam, silt loam	CL, CL-ML	A-4, A-6, A-7	0	0	95-100	90-100	60-90	50-80	20-45	5-18
	47-75	Stratified silt loam to very gravelly clay loam	SM, CL, CL-ML, GC	A-4, A-6, A-2-4, A-2-6	0	0	60-95	50-95	40-85	25-70	20-40	4-12
	75-80	Clay loam	CL	A-6, A-7-6	0-1	0-5	90-100	75-95	70-95	65-85	30-45	NP-30
SsA:												
Smothers-----	0-10	Silt loam	CL	A-4, A-6	0	0-2	95-100	80-100	80-100	65-90	30-40	10-15
	10-22	Silty clay, silty clay loam, clay loam	CL	A-7	0	0-2	85-100	80-95	75-95	60-90	40-50	20-30
	22-30	Extremely flaggy silty clay, channery clay loam, channery silty clay loam	CH, CL	A-7	0-50	5-50	85-100	55-95	55-75	50-70	40-60	20-35
	30-31	Unweathered bedrock			0	0	0	0	0	0	---	NP
SsB:												
Smothers-----	0-9	Silt loam	CL	A-4, A-6	0	0-2	95-100	80-100	80-100	65-90	30-40	10-15
	9-29	Silty clay loam, silty clay, clay loam	CL	A-7	0	0-2	85-100	80-95	75-95	60-90	40-50	20-30
	29-33	Very channery silty clay, extremely flaggy silty clay, flaggy silty clay loam	CH, CL	A-7	0-50	5-50	85-100	55-95	55-75	50-70	40-60	20-35
	33-34	Unweathered bedrock			0	0	0	0	0	0	---	NP

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	

