

## Engineering Interpretations

### ***Building Site Development***

Soil properties influence development of building sites, including the selection of the site, the design of the structure, construction, post construction performance, and maintenance. Soil limitation ratings of slight, moderate, and severe are given for shallow excavations, dwellings with and without basements, small commercial buildings, local roads and streets, and lawns, landscaping, and golf fairways.

#### ***Shallow Excavations***

Shallow excavations are trenches or holes dug in the soil to a maximum depth of 5 or 6 feet. They are used for pipelines, sewer lines, telephone and power transmission lines, basements, open ditches, and cemeteries. The ratings are based on the soil properties that influence ease of digging and resistance to sloughing.

#### ***Dwellings With or Without Basements***

These are single-family houses of three stories or less. The foundation is assumed to be spread footings of reinforced concrete built on undisturbed soil at a depth of 2 feet or the depth of maximum frost penetration, whichever is deeper, for houses without basements, or at a depth of 7 feet if a basement is constructed. The ratings are based on properties affecting soil strength and settlement under a load, and those that affect excavation and construction costs.

#### ***Small Commercial Buildings***

Limitation ratings are given for the undisturbed soil on which small commercial buildings of less than three stories without basements are built. The foundation is assumed to be placed on spread footings of reinforced concrete at a depth of 2 feet or the depth of maximum frost penetration, whichever is deeper.

#### ***Local Roads and Streets***

Limitation ratings are given for the use of soils for construction of improved local roads and streets that have all-weather surfacing, commonly of asphalt, gravel with binder in it, or concrete, and that are expected to carry automobile traffic all year. These roads and streets are graded to shed water, and conventional drainage measures are provided. With the probable exception of the hard surface, roads and streets are built mainly from the soil at hand.

#### ***Lawns, Landscaping, and Golf Fairways***

The soils are rated for their use in establishing and maintaining turf for lawns and golf fairways and ornamental trees and shrubs for residential type landscaping. The ratings are based on the use of soil material at the location with some land smoothing. Irrigation may or may not be needed and is not a criterion in rating. Traps, trees, roughs, and greens are not considered as part of the golf fairway. The properties considered are those listed that affect plant growth and trafficability after vegetation is established.

*This subsection includes:*

- **(a) Building Site Development**

Miller County, Missouri: Detailed Soil Map Legend

Building Site Development

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Map symbol and soil name	Dwellings without basements		Dwellings with basements		Small commercial buildings		Local roads and streets		Lawns and landscaping	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
15002: Mcgirk-----	Very limited ~shrink-swell (very limited) ~wetness (very limited)	1.00  1.00	Very limited ~wetness (very limited) ~shrink-swell (very limited)	1.00  1.00	Very limited ~shrink-swell (very limited) ~wetness (very limited)	1.00  1.00	Very limited ~low strength (very limited) ~shrink-swell (very limited) ~wetness (very limited)	1.00  1.00  1.00	Very limited ~wetness (very limited)	1.00
64002: Freeburg-----	Very limited ~wetness (very limited) ~shrink-swell (moderately limited)	1.00  0.45	Very limited ~wetness (very limited) ~shrink-swell (moderately limited)	1.00  0.45	Limited ~wetness (limited) ~shrink-swell (moderately limited)	0.68  0.45	Very limited ~low strength (very limited) ~wetness (limited) ~shrink-swell (moderately limited)	1.00  0.68  0.45	Limited ~wetness (limited)	0.68
64007: Freeburg-----	Very limited ~flooding (very limited) ~wetness (very limited) ~shrink-swell (moderately limited)	1.00  1.00  0.45	Very limited ~flooding (very limited) ~wetness (very limited) ~shrink-swell (slightly limited)	1.00  1.00  0.30	Very limited ~flooding (very limited) ~wetness (limited) ~shrink-swell (moderately limited)	1.00  0.68  0.45	Very limited ~flooding (very limited) ~low strength (very limited) ~wetness (limited)	1.00  1.00  0.68	Limited ~wetness (limited) ~flooding (moderately limited)	0.68  0.60
70008: Goss-----	Moderately limited ~shrink-swell (moderately limited)	0.45	Slightly limited ~shrink-swell (slightly limited)	0.29	Limited ~slope (limited) ~shrink-swell (moderately limited)	0.68  0.45	Moderately limited ~shrink-swell (moderately limited)	0.45	Limited ~small stones (limited) ~droughty (slightly limited)	0.64  0.19

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Map symbol and soil name	Dwellings without basements		Dwellings with basements		Small commercial buildings		Local roads and streets		Lawns and landscaping	
	Rating class and limiting features	Value	Rating class and limiting features	Value						
70009: Goss-----	Limited ~slope (limited)	0.76	Limited ~slope (limited)	0.76	Very limited ~slope (very limited)	1.00	Limited ~slope (limited)	0.63	Limited ~small stones (limited)	0.64
	~shrink-swell (moderately limited)	0.45	~shrink-swell (slightly limited)	0.29	~shrink-swell (moderately limited)	0.45	~shrink-swell (moderately limited)	0.45	~slope (limited)	0.63
									~droughty (slightly limited)	0.19
70023: Eldon-----	Very limited ~shrink-swell (very limited)	1.00	Very limited ~small stones (very limited)	1.00						
					~slope (limited)	0.68				
70024: Goss-----	Very limited ~slope (very limited)	1.00	Very limited ~slope (very limited)	1.00						
	~shrink-swell (moderately limited)	0.45	~shrink-swell (slightly limited)	0.29	~shrink-swell (moderately limited)	0.45	~shrink-swell (moderately limited)	0.45	~small stones (very limited)	1.00
									~droughty (moderately limited)	0.31
70028: Moko-----	Very limited ~hard bedrock <20" (very limited)	1.00	Very limited ~hard bedrock <40" (very limited)	1.00	Very limited ~hard bedrock <20" (very limited)	1.00	Very limited ~hard bedrock <20" (very limited)	1.00	Very limited ~shallow to bedrock (very limited)	1.00
	~slope (moderately limited)	0.45	~slope (moderately limited)	0.45	~slope (very limited)	1.00	~slope (slightly limited)	0.04	~droughty (very limited)	1.00
									~small stones (limited)	0.64
Rock outcrop---	Not rated		Not rated		Not rated		Not rated		Not rated	

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Map symbol and soil name	Dwellings without basements		Dwellings with basements		Small commercial buildings		Local roads and streets		Lawns and landscaping	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
70029: Moko-----	Not Rated Not Rated		Very limited ~hard bedrock <40" (very limited)	1.00	Very limited ~hard bedrock <20" (very limited)	1.00	Very limited ~hard bedrock <20" (very limited)	1.00	Very limited ~shallow to bedrock (very limited)	1.00
	~hard bedrock <20" (very limited)	1.00	~slope (very limited)	1.00	~slope (very limited)	1.00	~slope (very limited)	1.00	~droughty (very limited)	1.00
	~slope (very limited)	1.00							~slope (very limited)	1.00
Rock outcrop---	Not rated		Not rated		Not rated		Not rated		Not rated	
70046: Sacville-----	Very limited ~wetness (very limited)	1.00	Very limited ~wetness (very limited)	1.00	Very limited ~wetness (very limited)	1.00	Very limited ~low strength (very limited)	1.00	Very limited ~wetness (very limited)	1.00
	~shrink-swell (very limited)	1.00	~shrink-swell (very limited)	1.00	~shrink-swell (very limited)	1.00	~wetness (very limited)	1.00		
					~slope (slightly limited)	0.15	~shrink-swell (very limited)	1.00		
73012: Gravois-----	Limited ~wetness (limited)	0.85	Very limited ~wetness (very limited)	1.00	Limited ~slope (limited)	0.68	Very limited ~low strength (very limited)	1.00	Very limited ~large stones >30% (very limited)	1.00
	~shrink-swell (moderately limited)	0.45	~shrink-swell (slightly limited)	0.27	~wetness (moderately limited)	0.49	~wetness (moderately limited)	0.49	~wetness (moderately limited)	0.49
					~shrink-swell (moderately limited)	0.45	~shrink-swell (moderately limited)	0.45		

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Map symbol and soil name	Dwellings without basements		Dwellings with basements		Small commercial buildings		Local roads and streets		Lawns and landscaping	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
73035: Gravois-----	Limited ~wetness (limited)	0.85	Very limited ~wetness (very limited)	1.00	Very limited ~slope (very limited)	1.00	Very limited ~low strength (very limited)	1.00	Moderately limited ~wetness (moderately limited)	0.49
	~slope (limited)	0.68	~slope (limited)	0.68	~wetness (moderately limited)	0.49	~wetness (moderately limited)	0.49	~slope (moderately limited)	0.37
	~shrink-swell (moderately limited)	0.45	~shrink-swell (slightly limited)	0.27	~shrink-swell (moderately limited)	0.45	~shrink-swell (moderately limited)	0.45		
73040: Maplewood, eroded-----	Very limited		Very limited		Very limited		Very limited		Very limited	
	~shrink-swell (very limited)	1.00	~wetness (very limited)	1.00	~shrink-swell (very limited)	1.00	~low strength (very limited)	1.00	~wetness (very limited)	1.00
	~wetness (very limited)	1.00	~shrink-swell (very limited)	1.00	~wetness (very limited)	1.00	~shrink-swell (very limited)	1.00	~droughty (slightly limited)	0.14
							~wetness (very limited)	1.00		
73041: Maplewood, eroded-----	Very limited		Very limited		Very limited		Very limited		Very limited	
	~shrink-swell (very limited)	1.00	~wetness (very limited)	1.00	~shrink-swell (very limited)	1.00	~low strength (very limited)	1.00	~wetness (very limited)	1.00
	~wetness (very limited)	1.00	~shrink-swell (very limited)	1.00	~wetness (very limited)	1.00	~shrink-swell (very limited)	1.00	~droughty (slightly limited)	0.20
	~slope (slightly limited)	0.15	~slope (slightly limited)	0.15	~slope (limited)	0.83	~wetness (very limited)	1.00		
73042: Niangua-----	Very limited		Very limited		Very limited		Very limited		Very limited	
	~slope (very limited)	1.00	~slope (very limited)	1.00	~slope (very limited)	1.00	~low strength (very limited)	1.00	~slope (very limited)	1.00
	~shrink-swell (moderately limited)	0.45	~depth to bedrock (moderately limited)	0.54	~shrink-swell (moderately limited)	0.45	~slope (very limited)	1.00	~small stones (very limited)	1.00
			~shrink-swell (moderately limited)	0.36			~shrink-swell (moderately limited)	0.45		

Miller County, Missouri: Detailed Soil Map Legend

Building Site Development

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Map symbol and soil name	Dwellings without basements		Dwellings with basements		Small commercial buildings		Local roads and streets		Lawns and landscaping	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
73042: (cont) Bardley-----	Very limited ~slope (very limited)	1.00	Very limited ~hard bedrock <40" (very limited)	1.00	Very limited ~slope (very limited)	1.00	Very limited ~low strength (very limited)	1.00	Very limited ~slope (very limited)	1.00
	~depth to bedrock (moderately limited)	0.53	~slope (very limited)	1.00	~depth to bedrock (moderately limited)	0.53	~slope (very limited)	1.00	~droughty (limited)	0.66
	~shrink-swell (moderately limited)	0.45	~shrink-swell (moderately limited)	0.45	~shrink-swell (moderately limited)	0.45	~depth to bedrock (moderately limited)	0.53	~depth to bedrock (moderately limited)	0.46
73047: Bardley-----	Moderately limited ~depth to bedrock (moderately limited)	0.53	Very limited ~hard bedrock <40" (very limited)	1.00	Very limited ~slope (very limited)	1.00	Very limited ~low strength (very limited)	1.00	Very limited ~small stones (limited)	1.00
	~slope (moderately limited)	0.45	~slope (moderately limited)	0.45	~depth to bedrock (moderately limited)	0.53	~depth to bedrock (moderately limited)	0.53	~droughty (limited)	0.66
	~shrink-swell (moderately limited)	0.45	~shrink-swell (moderately limited)	0.45	~shrink-swell (moderately limited)	0.45	~shrink-swell (moderately limited)	0.45	~depth to bedrock (moderately limited)	0.46
Moko-----	Very limited ~hard bedrock <20" (very limited)	1.00	Very limited ~hard bedrock <40" (very limited)	1.00	Very limited ~hard bedrock <20" (very limited)	1.00	Very limited ~hard bedrock <20" (very limited)	1.00	Very limited ~shallow to bedrock (very limited)	1.00
	~slope (moderately limited)	0.45	~slope (moderately limited)	0.45	~slope (very limited)	1.00	~slope (slightly limited)	0.04	~droughty (very limited)	1.00
									~small stones (limited)	0.64
73048: Rueter-----	Not limited		Slightly limited ~shrink-swell (slightly limited)	0.09	Limited ~slope (limited)	0.68	Not limited		Limited ~too acid (limited)	0.84
									~small stones (limited)	0.82
									~droughty (moderately limited)	0.35

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Map symbol and soil name	Dwellings without basements		Dwellings with basements		Small commercial buildings		Local roads and streets		Lawns and landscaping	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
73050: Rock outcrop---	Not rated		Not rated		Not rated		Not rated		Not rated	
Bardley-----	Very limited ~slope (very limited) ~depth to bedrock (moderately limited) ~shrink-swell (moderately limited)	1.00  0.53  0.45	Very limited ~hard bedrock <40" (very limited) ~slope (very limited) ~shrink-swell (moderately limited)	1.00  1.00  0.45	Very limited ~slope (very limited) ~depth to bedrock (moderately limited) ~shrink-swell (moderately limited)	1.00  0.53  0.45	Very limited ~low strength (very limited) ~slope (very limited) ~depth to bedrock (moderately limited)	1.00  1.00  0.53	Very limited ~slope (very limited) ~small stones (limited) ~droughty (limited)	1.00  1.00  0.66
73088: Rueter-----	Limited ~slope (limited) ~large stones (slightly limited)	0.76  0.29	Limited ~slope (limited) ~large stones (slightly limited) ~shrink-swell (slightly limited)	0.76  0.29  0.09	Very limited ~slope (very limited) ~large stones (slightly limited)	1.00  0.29	Limited ~slope (limited) ~large stones (slightly limited)	0.63  0.29	Very limited ~small stones (very limited) ~too acid (limited) ~slope (limited)	1.00  0.84  0.63
73089: Rueter-----	Very limited ~slope (very limited) ~large stones (slightly limited)	1.00  0.29	Very limited ~slope (very limited) ~large stones (slightly limited) ~shrink-swell (slightly limited)	1.00  0.29  0.09	Very limited ~slope (very limited) ~large stones (slightly limited)	1.00  0.29	Very limited ~slope (very limited) ~large stones (slightly limited)	1.00  0.29	Very limited ~slope (very limited) ~small stones (very limited) ~too acid (limited)	1.00  1.00  0.84
73090: Useful-----	Very limited ~shrink-swell (very limited) ~wetness (moderately limited)	1.00  0.37	Very limited ~shrink-swell (very limited) ~wetness (limited) ~depth to bedrock (moderately limited)	1.00  0.99  0.35	Very limited ~shrink-swell (very limited) ~slope (limited)	1.00  0.68	Very limited ~low strength (very limited) ~shrink-swell (very limited)	1.00  1.00	Not limited	

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Map symbol and soil name	Dwellings without basements		Dwellings with basements		Small commercial buildings		Local roads and streets		Lawns and landscaping	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
73093: Gatewood-----	Very limited ~shrink-swell (very limited)	1.00	Very limited ~hard bedrock <40" (very limited)	1.00	Very limited ~slope (very limited)	1.00	Very limited ~low strength (very limited)	1.00	Very limited ~small stones (very limited)	1.00
	~slope (limited)	0.76	~shrink-swell (very limited)	1.00	~shrink-swell (very limited)	1.00	~shrink-swell (very limited)	1.00	~slope (limited)	0.63
	~wetness (moderately limited)	0.51	~wetness (very limited)	1.00	~depth to bedrock (moderately limited)	0.51	~slope (limited)	0.63	~depth to bedrock (moderately limited)	0.42
73094: Gatewood-----	Very limited ~shrink-swell (very limited)	1.00	Very limited ~hard bedrock <40" (very limited)	1.00	Very limited ~slope (very limited)	1.00	Very limited ~low strength (very limited)	1.00	Very limited ~slope (very limited)	1.00
	~slope (very limited)	1.00	~shrink-swell (very limited)	1.00	~shrink-swell (very limited)	1.00	~slope (very limited)	1.00	~depth to bedrock (moderately limited)	0.42
	~wetness (moderately limited)	0.51	~slope (very limited)	1.00	~depth to bedrock (moderately limited)	0.51	~shrink-swell (very limited)	1.00	~droughty (slightly limited)	0.22
73099: Plato-----	Very limited ~shrink-swell (very limited)	1.00	Very limited ~wetness (very limited)	1.00	Very limited ~shrink-swell (very limited)	1.00	Very limited ~low strength (very limited)	1.00	Limited ~wetness (limited)	0.60
	~wetness (limited)	0.99	~shrink-swell (very limited)	1.00	~slope (limited)	0.68	~shrink-swell (very limited)	1.00	~droughty (slightly limited)	0.24
					~wetness (limited)	0.60	~wetness (limited)	0.60	~too acid (slightly limited)	0.06
73104: Wrengart, eroded-----	Very limited ~slope (very limited)	1.00	Very limited ~slope (very limited)	1.00	Very limited ~slope (very limited)	1.00	Very limited ~slope (very limited)	1.00	Very limited ~slope (very limited)	1.00
	~shrink-swell (moderately limited)	0.45	~wetness (limited)	0.99	~shrink-swell (moderately limited)	0.45	~low strength (very limited)	1.00		
	~wetness (moderately limited)	0.37	~shrink-swell (moderately limited)	0.45			~shrink-swell (moderately limited)	0.45		

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Map symbol and soil name	Dwellings without basements		Dwellings with basements		Small commercial buildings		Local roads and streets		Lawns and landscaping	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
73112: Gunlock-----	Limited ~wetness (limited) ~shrink-swell (moderately limited)	0.93  0.45	Very limited ~wetness (very limited) ~shrink-swell (moderately limited)	1.00  0.45	Limited ~slope (limited) ~wetness (moderately limited) ~shrink-swell (moderately limited)	0.68  0.56 0.45	Very limited ~low strength (very limited) ~wetness (moderately limited) ~shrink-swell (moderately limited)	1.00  0.56 0.45	Moderately limited ~wetness (moderately limited)	0.56
73136: Union-----	Limited ~wetness (limited) ~shrink-swell (moderately limited)	0.93  0.45	Very limited ~wetness (very limited) ~shrink-swell (moderately limited)	1.00  0.45	Moderately limited ~wetness (moderately limited) ~shrink-swell (moderately limited)	0.56  0.45	Very limited ~low strength (very limited) ~wetness (moderately limited) ~shrink-swell (moderately limited)	1.00  0.56 0.45	Moderately limited ~wetness (moderately limited) ~small stones (moderately limited) ~large stones (moderately limited)	0.56  0.37 0.30
73190: Winnipeg, eroded-----	Not limited		Not limited		Limited ~slope (limited)	0.68	Very limited ~low strength (very limited)	1.00	Not limited	
73250: Gatewood-----	Very limited ~shrink-swell (very limited) ~depth to bedrock (limited) ~wetness (moderately limited)	1.00  0.66 0.51	Very limited ~hard bedrock <40" (very limited) ~shrink-swell (very limited) ~wetness (very limited)	1.00  1.00 1.00	Very limited ~shrink-swell (very limited) ~slope (limited) ~depth to bedrock (limited)	1.00  0.68 0.66	Very limited ~low strength (very limited) ~shrink-swell (very limited) ~depth to bedrock (limited)	1.00  1.00 0.66	Limited ~droughty (limited) ~depth to bedrock (limited) ~small stones (limited)	0.89  0.66 0.64
Moko-----	Very limited ~hard bedrock <20" (very limited)	1.00	Very limited ~hard bedrock <40" (very limited)	1.00	Very limited ~hard bedrock <20" (very limited) ~slope (limited)	1.00  0.68	Very limited ~hard bedrock <20" (very limited)	1.00	Very limited ~shallow to bedrock (very limited) ~droughty (very limited) ~small stones (limited)	1.00  1.00 0.64

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Map symbol and soil name	Dwellings without basements		Dwellings with basements		Small commercial buildings		Local roads and streets		Lawns and landscaping	
	Rating class and limiting features	Value	Rating class and limiting features	Value						
73251: Gatewood-----	Very limited ~shrink-swell (very limited)	1.00	Very limited ~hard bedrock <40" (very limited)	1.00	Very limited ~slope (very limited)	1.00	Very limited ~low strength (very limited)	1.00	Limited ~droughty (limited)	0.89
	~slope (limited)	0.68	~shrink-swell (very limited)	1.00	~shrink-swell (very limited)	1.00	~shrink-swell (very limited)	1.00	~depth to bedrock (limited)	0.66
	~depth to bedrock (limited)	0.66	~wetness (very limited)	1.00	~depth to bedrock (limited)	0.66	~depth to bedrock (limited)	0.66	~small stones (limited)	0.64
Moko-----	Very limited ~hard bedrock <20" (very limited)	1.00	Very limited ~hard bedrock <40" (very limited)	1.00	Very limited ~hard bedrock <20" (very limited)	1.00	Very limited ~hard bedrock <20" (very limited)	1.00	Very limited ~shallow to bedrock (very limited)	1.00
	~slope (limited)	0.68	~slope (limited)	0.68	~slope (very limited)	1.00	~slope (moderately limited)	0.37	~droughty (very limited)	1.00
									~slope (moderately limited)	0.37
73252: Pomme, eroded--	Limited ~slope (limited)	0.76	Limited ~shrink-swell (limited)	0.81	Very limited ~slope (very limited)	1.00	Limited ~slope (limited)	0.63	Limited ~slope (limited)	0.63
	~shrink-swell (moderately limited)	0.45	~slope (limited)	0.76	~shrink-swell (moderately limited)	0.45	~shrink-swell (moderately limited)	0.45	~too acid (moderately limited)	0.54
							~low strength (slightly limited)	0.22		
73253: Ocie-----	Very limited ~shrink-swell (very limited)	1.00	Very limited ~wetness (very limited)	1.00	Very limited ~shrink-swell (very limited)	1.00	Very limited ~low strength (very limited)	1.00	Slightly limited ~too acid (slightly limited)	0.12
	~wetness (moderately limited)	0.45	~shrink-swell (limited)	0.95	~slope (slightly limited)	0.15	~shrink-swell (very limited)	1.00		
			~depth to bedrock (limited)	0.67						

Miller County, Missouri: Detailed Soil Map Legend

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Map symbol and soil name	Dwellings without basements		Dwellings with basements		Small commercial buildings		Local roads and streets		Lawns and landscaping	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
73254: Ocie-----	Very limited ~shrink-swell (very limited)	1.00	Very limited ~wetness (very limited)	1.00	Very limited ~slope (very limited)	1.00	Very limited ~low strength (very limited)	1.00	Limited ~slope (limited)	0.63
	~slope (limited)	0.76	~shrink-swell (limited)	0.95	~shrink-swell (very limited)	1.00	~shrink-swell (very limited)	1.00	~small stones (moderately limited)	0.33
	~wetness (moderately limited)	0.45	~slope (limited)	0.76			~slope (limited)	0.63	~too acid (slightly limited)	0.12
73255: Ocie-----	Very limited ~shrink-swell (very limited)	1.00	Very limited ~wetness (very limited)	1.00	Very limited ~slope (very limited)	1.00	Very limited ~low strength (very limited)	1.00	Very limited ~slope (very limited)	1.00
	~slope (limited)	0.99	~slope (limited)	0.99	~shrink-swell (very limited)	1.00	~slope (very limited)	1.00	~small stones (limited)	0.82
	~wetness (moderately limited)	0.45	~shrink-swell (limited)	0.94			~shrink-swell (very limited)	1.00	~large stones (moderately limited)	0.30
73256: Arkana-----	Very limited ~shrink-swell (very limited)	1.00	Very limited ~hard bedrock <40" (very limited)	1.00	Very limited ~shrink-swell (very limited)	1.00	Very limited ~low strength (very limited)	1.00	Very limited ~small stones (very limited)	1.00
	~depth to bedrock (moderately limited)	0.36	~shrink-swell (very limited)	1.00	~slope (limited)	0.68	~shrink-swell (very limited)	1.00	~large stones (moderately limited)	0.45
					~depth to bedrock (moderately limited)	0.36	~depth to bedrock (moderately limited)	0.36	~depth to bedrock (slightly limited)	0.21
74634: Hartville-----	Very limited ~shrink-swell (very limited)	1.00	Very limited ~wetness (very limited)	1.00	Very limited ~shrink-swell (very limited)	1.00	Very limited ~low strength (very limited)	1.00	Limited ~wetness (limited)	0.60
	~wetness (limited)	0.99	~shrink-swell (very limited)	1.00	~slope (limited)	0.68	~shrink-swell (very limited)	1.00		
					~wetness (limited)	0.60	~wetness (limited)	0.60		

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Map symbol and soil name	Dwellings without basements		Dwellings with basements		Small commercial buildings		Local roads and streets		Lawns and landscaping	
	Rating class and limiting features	Value								
74678: Racoon-----	Very limited ~wetness (very limited)	1.00	Very limited ~flooding (very limited)	1.00	Very limited ~flooding (very limited)	1.00	Very limited ~wetness (very limited)	1.00	Very limited ~wetness (very limited)	1.00
	~flooding (very limited)	1.00	~wetness (very limited)	1.00	~wetness (very limited)	1.00	~flooding (very limited)	1.00	~flooding (moderately limited)	0.60
			~shrink-swell (slightly limited)	0.15			~low strength (slightly limited)	0.22		
75376: Cedargap-----	Very limited ~flooding (very limited)	1.00								
	~wetness (slightly limited)	0.01	~wetness (limited)	0.61					~small stones (slightly limited)	0.27
									~large stones (slightly limited)	0.01
75378: Sturkie-----	Very limited ~flooding (very limited)	1.00								
							~low strength (very limited)	1.00		
75385: Gabriel-----	Very limited ~flooding (very limited)	1.00	Limited ~wetness (limited)	0.86						
	~wetness (very limited)	1.00	~wetness (very limited)	1.00	~wetness (limited)	0.86	~low strength (very limited)	1.00	~flooding (moderately limited)	0.60
	~shrink-swell (moderately limited)	0.45	~shrink-swell (moderately limited)	0.37	~shrink-swell (moderately limited)	0.45	~wetness (limited)	0.86		

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Map symbol and soil name	Dwellings without basements		Dwellings with basements		Small commercial buildings		Local roads and streets		Lawns and landscaping	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
75387: Hacreek-----	Very limited ~flooding (very limited)	1.00	Very limited ~flooding (very limited)	1.00	Very limited ~flooding (very limited)	1.00	Very limited ~low strength (very limited)	1.00	Very limited ~wetness (very limited)	1.00
	~wetness (very limited)	1.00	~wetness (very limited)	1.00	~wetness (very limited)	1.00	~flooding (very limited)	1.00	~flooding (moderately limited)	0.60
	~shrink-swell (moderately limited)	0.45	~shrink-swell (moderately limited)	0.45	~shrink-swell (moderately limited)	0.45	~wetness (very limited)	1.00		
75395: Jamesfin-----	Very limited ~flooding (very limited)	1.00	Very limited ~flooding (very limited)	1.00	Very limited ~flooding (very limited)	1.00	Very limited ~flooding (very limited)	1.00	Moderately limited ~flooding (moderately limited)	0.60
			~wetness (slightly limited)	0.16			~low strength (very limited)	1.00		
75399: Jamesfin-----	Very limited ~flooding (very limited)	1.00	Very limited ~flooding (very limited)	1.00	Very limited ~flooding (very limited)	1.00	Very limited ~flooding (very limited)	1.00	Very limited ~flooding (very limited)	1.00
			~wetness (slightly limited)	0.16			~low strength (very limited)	1.00		
75400: Gladden-----	Very limited ~flooding (very limited)	1.00	Very limited ~flooding (very limited)	1.00	Very limited ~flooding (very limited)	1.00	Very limited ~flooding (very limited)	1.00	Very limited ~flooding (very limited)	1.00
75415: Jemerson-----	Very limited ~flooding (very limited)	1.00	Very limited ~flooding (very limited)	1.00	Very limited ~flooding (very limited)	1.00	Very limited ~flooding (very limited)	1.00	Moderately limited ~flooding (moderately limited)	0.60
	~shrink-swell (moderately limited)	0.45	~wetness (moderately limited)	0.47	~shrink-swell (moderately limited)	0.45	~low strength (very limited)	1.00		
			~shrink-swell (slightly limited)	0.29			~shrink-swell (moderately limited)	0.45		

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Map symbol and soil name	Dwellings without basements		Dwellings with basements		Small commercial buildings		Local roads and streets		Lawns and landscaping	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
75421: Racket-----	Very limited ~flooding (very limited) ~shrink-swell (moderately limited)	1.00  0.45	Very limited ~flooding (very limited) ~wetness (slightly limited) ~shrink-swell (slightly limited)	1.00  0.24 0.09	Very limited ~flooding (very limited) ~shrink-swell (moderately limited)	1.00  0.45	Very limited ~flooding (very limited) ~shrink-swell (moderately limited) ~low strength (slightly limited)	1.00  0.45 0.22	Moderately limited ~flooding (moderately limited)	0.60
75425: Cedargap-----	Very limited ~flooding (very limited)	1.00	Very limited ~flooding (very limited)	1.00	Very limited ~flooding (very limited)	1.00	Limited ~flooding (rare) (limited)	0.90	Very limited ~small stones (very limited) ~large stones (slightly limited)	1.00 0.01
Pomme-----	Moderately limited ~shrink-swell (moderately limited)	0.45	Limited ~shrink-swell (limited)	0.81	Limited ~slope (limited) ~shrink-swell (moderately limited)	0.68 0.45	Moderately limited ~shrink-swell (moderately limited) ~low strength (slightly limited)	0.45 0.22	Moderately limited ~too acid (moderately limited)	0.54
75453: Sturkie-----	Very limited ~flooding (very limited)	1.00	Very limited ~flooding (very limited)	1.00	Very limited ~flooding (very limited)	1.00	Very limited ~flooding (very limited) ~low strength (very limited)	1.00 1.00	Moderately limited ~flooding (moderately limited)	0.60
75455: Gabriel-----	Very limited ~ponded (very limited) ~flooding (very limited) ~wetness (very limited)	1.00  1.00 1.00	Very limited ~ponded (very limited) ~flooding (very limited) ~wetness (very limited)	1.00  1.00 1.00	Very limited ~ponded (wetness) (very limited) ~flooding (very limited) ~wetness (limited)	1.00  1.00 0.86	Very limited ~low strength (very limited) ~ponded (wetness) (very limited) ~flooding (very limited)	1.00  1.00 1.00	Very limited ~ponded (wetness) (very limited) ~wetness (limited) ~flooding (moderately limited)	1.00  0.86 0.60

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Map symbol and soil name	Dwellings without basements		Dwellings with basements		Small commercial buildings		Local roads and streets		Lawns and landscaping	
	Rating class and limiting features	Value								
99000: Pits, quarries-	Not rated									
99001: Water-----	Not rated									
99007: Dam-----	Not rated									