

## 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**

Bollinger 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
60033: Wrengart-----	Moderately limited ~wetness (moderately limited)	0.37	Not Rated Not Rated  ~wetness (limited)	0.99	Limited ~slope (limited)	0.68	Not limited		Not limited	
60046: Minnith-----	Very limited ~slope (very limited) ~shrink-swell (moderately limited) ~wetness (slightly limited)	1.00 0.45 0.30	Very limited ~slope (very limited) ~wetness (limited) ~shrink-swell (slightly limited)	1.00 0.95 0.04	Very limited ~slope (very limited) ~shrink-swell (moderately limited)	1.00 0.45	Very limited ~slope (very limited) ~low strength (very limited) ~shrink-swell (moderately limited)	1.00 1.00 0.45	Very limited ~slope (very limited)	1.00
60053: Winfield-----	Limited ~wetness (limited)	0.85	Very limited ~wetness (very limited)	1.00	Moderately limited ~wetness (moderately limited) ~slope (moderately limited)	0.49 0.45	Moderately limited ~wetness (moderately limited)	0.49	Moderately limited ~wetness (moderately limited)	0.49
60054: Minnith-----	Limited ~slope (limited) ~shrink-swell (moderately limited) ~wetness (slightly limited)	0.76 0.45 0.30	Limited ~wetness (limited) ~slope (limited) ~shrink-swell (slightly limited)	0.95 0.76 0.04	Very limited ~slope (very limited) ~shrink-swell (moderately limited)	1.00 0.45	Very limited ~low strength (very limited) ~slope (limited) ~shrink-swell (moderately limited)	1.00 0.63 0.45	Limited ~slope (limited)	0.63
60055: Winfield-----	Moderately limited ~shrink-swell (moderately limited) ~wetness (moderately limited)	0.45 0.37	Limited ~wetness (limited) ~shrink-swell (moderately limited)	0.99 0.45	Moderately limited ~shrink-swell (moderately limited)	0.45	Very limited ~low strength (very limited) ~shrink-swell (moderately limited)	1.00 0.45	Not limited	

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	Rating class and limiting features	Value	Rating class and limiting features	Value						
66000: Moniteau-----	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
							~low strength (very limited)	1.00		
66054: Wakeland-----	Very limited ~wetness (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
	~flooding (very limited)	1.00	~wetness (very limited)	1.00	~wetness (limited)	0.81	~wetness (limited)	0.81	~wetness (limited)	0.81
66055: Haymond-----	Very limited ~flooding (very limited)	1.00	Moderately limited ~flooding (moderately limited)	0.60						
73055: Alred-----	Very limited ~slope (very limited)	1.00	Not Rated Not Rated		Very limited ~slope (very limited)	1.00	Very limited ~slope (very limited)	1.00	Very limited ~slope (very limited)	1.00
			~slope (very limited)	1.00					~small stones (very limited)	1.00
Rueter-----	Very limited ~slope (very limited)	1.00	Very limited ~slope (very limited)	1.00						
									~small stones (moderately limited)	0.33
									~too acid (slightly limited)	0.24

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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
73100: Wrengart-----	Moderately limited ~wetness (moderately limited)	0.37	Not Rated Not Rated ~wetness (limited)	0.99	Slightly limited ~slope (slightly limited)	0.15	Slightly limited ~low strength (slightly limited)	0.22	Not limited	
73101: Wrengart-----	Moderately limited ~wetness (moderately limited) ~slope (slightly limited)	0.37 0.15	Not Rated Not Rated ~wetness (limited) ~slope (slightly limited)	0.99 0.15	Limited ~slope (limited)	0.83	Slightly limited ~low strength (slightly limited)	0.22	Not limited	
73139: Poynor-----	Limited ~slope (limited)	0.76	Not Rated Not Rated ~slope (limited)	0.76	Very limited ~slope (very limited)	1.00	Limited ~slope (limited)	0.63	Limited ~small stones (limited) ~slope (limited) ~too acid (slightly limited)	0.87 0.63 0.06
Clarksville----	Limited ~slope (limited)	0.76	Limited ~slope (limited)	0.76	Very limited ~slope (very limited)	1.00	Limited ~slope (limited)	0.63	Limited ~slope (limited) ~small stones (moderately limited) ~too acid (slightly limited)	0.63 0.31 0.30
Scholten-----	Very limited ~wetness (very limited) ~slope (limited)	1.00 0.76	Not Rated Not Rated ~wetness (very limited) ~slope (limited)	1.00 0.76	Very limited ~slope (very limited) ~wetness (limited)	1.00 0.78	Limited ~wetness (limited) ~slope (limited)	0.78 0.63	Very limited ~small stones (very limited) ~wetness (limited) ~too acid (limited)	1.00 0.78 0.76

Bollinger 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
73140: Clarksville----	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) ~small stones (very limited) ~too acid (limited)	1.00 1.00 0.68
Scholten-----	Very limited ~slope (very limited) ~wetness (moderately limited)	1.00 0.39	Not Rated Not Rated ~slope (very limited) ~wetness (limited)	1.00 1.00 0.99	Very limited ~slope (very limited)	1.00	Very limited ~slope (very limited)	1.00	Very limited ~slope (very limited) ~small stones (very limited) ~too acid (moderately limited)	1.00 1.00 1.00 0.42
73141: Firebaugh-----	Limited ~wetness (limited)	0.71	Very limited ~wetness (very limited) ~shrink-swell (slightly limited)	1.00 1.00 0.00	Limited ~slope (limited) ~wetness (moderately limited)	0.68 0.39	Moderately limited ~wetness (moderately limited)	0.39	Moderately limited ~too acid (moderately limited) ~wetness (moderately limited)	0.42 0.39
73145: Crider-----	Not limited		Slightly limited ~shrink-swell (slightly limited)	0.07	Moderately limited ~slope (moderately limited)	0.45	Very limited ~low strength (very limited)	1.00	Not limited	
73146: Marquand-----	Moderately limited ~wetness (moderately limited)	0.52	Very limited ~wetness (very limited)	1.00	Limited ~slope (limited) ~wetness (slightly limited)	0.68 0.15	Very limited ~low strength (very limited) ~wetness (slightly limited)	1.00 0.15	Slightly limited ~wetness (slightly limited)	0.15

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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						
73150: Caneyville-----	Limited ~slope (limited)	0.76	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 ~slope (limited)	0.63
	~depth to bedrock (moderately limited)	0.45	~slope (limited)	0.76	~depth to bedrock (moderately limited)	0.45	~slope (limited)	0.63	~depth to bedrock (slightly limited)	0.30
	~shrink-swell (moderately limited)	0.45	~shrink-swell (moderately limited)	0.45	~shrink-swell (moderately limited)	0.45	~depth to bedrock (moderately limited)	0.45		
Bucklick-----	Very limited ~shrink-swell (very limited)	1.00	Very limited ~shrink-swell (very limited)	1.00	Very limited ~slope (very limited)	1.00	Very limited ~shrink-swell (very limited)	1.00	Limited ~slope (limited)	0.63
	~slope (limited)	0.76	~slope (limited)	0.76	~shrink-swell (very limited)	1.00	~low strength (very limited)	1.00		
			~depth to bedrock (limited)	0.75			~slope (limited)	0.63		
73151: Caneyville-----	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
	~shrink-swell (moderately limited)	0.45	~slope (very limited)	1.00	~shrink-swell (moderately limited)	0.45	~slope (very limited)	1.00	~depth to bedrock (slightly limited)	0.28
	~depth to bedrock (moderately limited)	0.43	~shrink-swell (moderately limited)	0.45	~depth to bedrock (moderately limited)	0.43	~shrink-swell (moderately limited)	0.45		
Gasconade-----	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 ~slope (very limited)	1.00
	~slope (very limited)	1.00	~shallow to bedrock (very limited)	1.00						
	~shrink-swell (moderately limited)	0.45	~too clayey (very limited)	1.00						

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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
73151: (cont) Bucklick-----	Very limited ~slope (very limited) ~shrink-swell (moderately limited)	1.00  0.45	Very limited ~slope (very limited) ~shrink-swell (limited) ~depth to bedrock (limited)	1.00  0.92 0.72	Very limited ~slope (very limited) ~shrink-swell (moderately limited)	1.00  0.45	Very limited ~slope (very limited) ~low strength (very limited) ~shrink-swell (moderately limited)	1.00  1.00 0.45	Very limited ~slope (very limited)	1.00
73156: Alred-----	Limited ~slope (limited)	0.76	Not Rated Not Rated  ~slope (limited)	  0.76	Very limited ~slope (very limited)	1.00	Limited ~slope (limited)	0.63	Limited ~slope (limited) ~too acid (slightly limited)	0.63  0.12
Gepp-----	Limited ~slope (limited) ~shrink-swell (moderately limited)	0.76  0.45	Limited ~slope (limited) ~shrink-swell (moderately limited)	0.76  0.45	Very limited ~slope (very limited) ~shrink-swell (moderately limited)	1.00  0.45	Very limited ~low strength (very limited) ~slope (limited) ~shrink-swell (moderately limited)	1.00  0.63 0.45	Very limited ~small stones (very limited) ~slope (limited) ~too acid (limited)	1.00  0.63 0.60
73157: Captina-----	Moderately limited ~wetness (moderately limited)	0.51	Not Rated Not Rated  ~wetness (very limited)	  1.00	Limited ~slope (limited) ~wetness (slightly limited)	0.68  0.13	Slightly limited ~wetness (slightly limited)	0.13	Slightly limited ~wetness (slightly limited)	0.13
73223: Coulstone-----	Very limited ~slope (very limited) ~large stones (limited)	1.00  0.88	Very limited ~slope (very limited) ~large stones (limited)	1.00  0.88	Very limited ~slope (very limited) ~large stones (limited)	1.00  0.88	Very limited ~slope (very limited) ~large stones (limited)	1.00  0.88	Very limited ~slope (very limited) ~droughty (very limited) ~large stones >30% (very limited)	1.00  1.00 1.00

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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
73223: (cont) Bender-----	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 ~slope (very limited)	1.00	Very limited ~slope (very limited)	1.00
	~large stones (limited)	0.71	~slope (very limited)	1.00	~large stones (limited)	0.71	~large stones (limited)	0.71	~droughty (very limited)	1.00
	~depth to bedrock (moderately limited)	0.46	~large stones (limited)	0.71	~depth to bedrock (moderately limited)	0.46	~depth to bedrock (moderately limited)	0.46	~large stones >30% (very limited)	1.00
73264: Alred-----	Very limited ~slope (very limited)	1.00	Not Rated Not Rated  ~slope (very limited)	1.00	Very limited ~slope (very limited)	1.00	Very limited ~slope (very limited)	1.00	Very limited ~slope (very limited) ~too acid (limited) ~large stones (slightly limited)	1.00  0.60 0.07
Wrengart-----	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 (very limited)	1.00	~shrink-swell (moderately limited)	0.45	~shrink-swell (moderately limited)	0.45	~too acid (slightly limited)	0.24
	~wetness (moderately limited)	0.45	~shrink-swell (slightly limited)	0.05						
73265: Captina-----	Limited ~wetness (limited)	0.63	Not Rated Not Rated  ~wetness (very limited)	1.00	Limited ~slope (limited) ~wetness (moderately limited)	0.68 0.32	Moderately limited ~wetness (moderately limited)	0.32	Very limited ~small stones (very limited) ~too acid (moderately limited) ~wetness (moderately limited)	1.00  0.36 0.32

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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
73265: (cont) Scholten-----	Very limited ~wetness (very limited)	1.00	Not Rated		Limited		Limited		Limited	
Not Rated				~wetness (limited)	0.83	~wetness (limited)	0.83	~wetness (limited)	0.83	
~wetness (very limited)			1.00	~slope (limited)	0.68	~small stones (moderately limited)	0.57	~too acid (moderately limited)	0.36	
73266: Hildebrecht----	Limited ~slope (limited) ~wetness (slightly limited)	0.76	Not Rated		Very limited		Limited		Limited	
Not Rated				~slope (very limited)	1.00	~slope (limited)	0.63	~slope (limited)	0.63	
~wetness (slightly limited)			0.30	~wetness (limited)	0.95					
			~slope (limited)	0.76						
73267: Yelton-----	Limited ~wetness (limited) ~slope (limited)	0.93	Not Rated		Very limited		Limited		Limited	
Not Rated				~slope (very limited)	1.00	~slope (limited)	0.63	~slope (limited)	0.63	
~wetness (very limited)			1.00	~wetness (moderately limited)	0.56	~wetness (moderately limited)	0.56	~wetness (moderately limited)	0.56	
	0.76	~slope (limited)	0.76			~too acid (slightly limited)	0.30			
Scholten-----	Very limited ~wetness (very limited) ~slope (limited)	1.00	Not Rated		Very limited		Limited		Limited	
Not Rated				~slope (very limited)	1.00	~wetness (limited)	0.83	~wetness (limited)	0.83	
~wetness (very limited)			1.00	~slope (limited)	0.76	~slope (limited)	0.63	~too acid (limited)	0.76	
			~slope (limited)	0.76				~slope (limited)	0.63	

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	Rating class and limiting features	Value	Rating class and limiting features	Value						
73269: Brussels-----	Very limited ~slope (very limited) ~shrink-swell (moderately limited)	1.00  0.45	Very limited ~slope (very limited) ~small stones (moderately limited) ~droughty (slightly limited)	1.00  0.57  0.14						
Gasconade-----	Very limited ~hard bedrock <20" (very limited) ~slope (very limited) ~shrink-swell (moderately limited)	1.00  1.00  0.45	Very limited ~hard bedrock <40" (very limited) ~slope (very limited) ~shrink-swell (moderately limited)	1.00  1.00  0.45	Very limited ~hard bedrock <20" (very limited) ~slope (very limited) ~shrink-swell (moderately limited)	1.00  1.00  0.45	Very limited ~hard bedrock <20" (very limited) ~slope (very limited) ~shrink-swell (moderately limited)	1.00  1.00  0.45	Very limited ~slope (very limited) ~shallow to bedrock (very limited) ~too clayey (very limited)	1.00  1.00  1.00
Rock outcrop---	Not rated		Not rated		Not rated		Not rated		Not rated	
73270: Wrengart-----	Limited ~slope (limited) ~shrink-swell (moderately limited) ~wetness (moderately limited)	0.76  0.45  0.37	Limited ~wetness (limited) ~slope (limited) ~shrink-swell (slightly limited)	0.99  0.76  0.12	Very limited ~slope (very limited) ~shrink-swell (moderately limited)	1.00  0.45	Limited ~slope (limited) ~shrink-swell (moderately limited)	0.63  0.45	Limited ~slope (limited)	0.63
73343: Captina-----	Limited ~wetness (limited)	0.63	Not Rated Not Rated ~wetness (very limited)	1.00	Limited ~slope (limited) ~wetness (moderately limited)	0.68  0.32	Very limited ~low strength (very limited) ~wetness (moderately limited)	1.00  0.32	Moderately limited ~wetness (moderately limited)	0.32

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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
73344: Captina-----	Limited ~slope (limited)	0.76	Not Rated Not Rated		Very limited ~slope (very limited)	1.00	Limited ~slope (limited)	0.63	Limited ~slope (limited)	0.63
	~wetness (limited)	0.63	~wetness (very limited)	1.00	~wetness (moderately limited)	0.32	~wetness (moderately limited)	0.32	~too acid (limited)	0.60
			~slope (limited)	0.76					~wetness (moderately limited)	0.32
73345: Hildebrecht----	Not Rated Not Rated		Not Rated Not Rated		Limited ~slope (limited)	0.83	Slightly limited ~wetness (slightly limited)	0.13	Slightly limited ~wetness (slightly limited)	0.13
	~wetness (moderately limited)	0.51	~wetness (very limited)	1.00	~wetness (slightly limited)	0.13			~too acid (slightly limited)	0.12
	~slope (slightly limited)	0.15	~slope (slightly limited)	0.15						
73346: Hildebrecht----	Moderately limited ~wetness (moderately limited)	0.51	Not Rated Not Rated		Limited ~slope (limited)	0.83	Slightly limited ~low strength (slightly limited)	0.22	Moderately limited ~too acid (moderately limited)	0.36
	~slope (slightly limited)	0.15	~wetness (very limited)	1.00	~wetness (slightly limited)	0.13	~wetness (slightly limited)	0.13	~wetness (slightly limited)	0.13
			~slope (slightly limited)	0.15						
74644: Deible-----	Very limited ~wetness (very limited)	1.00	Not Rated Not Rated		Very limited ~wetness (very limited)	1.00	Very limited ~wetness (very limited)	1.00	Very limited ~wetness (very limited)	1.00
			~wetness (very limited)	1.00						
74646: Cornwall-----	Moderately limited ~wetness (moderately limited)	0.51	Very limited ~wetness (very limited)	1.00	Limited ~slope (limited)	0.68	Very limited ~low strength (very limited)	1.00	Slightly limited ~wetness (slightly limited)	0.13
					~wetness (slightly limited)	0.13	~wetness (slightly limited)	0.13		

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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
74648: Aslinger-----	Moderately limited ~wetness (moderately limited)	0.59	Very limited ~wetness (very limited)	1.00	Limited ~slope (limited) ~wetness (slightly limited)	0.68 0.28	Very limited ~low strength (very limited) ~wetness (slightly limited)	1.00 0.28	Slightly limited ~wetness (slightly limited) ~droughty (slightly limited)	0.28 0.00
74649: Aslinger-----	Moderately limited ~wetness (moderately limited) ~slope (moderately limited)	0.59 0.45	Very limited ~wetness (very limited) ~slope (moderately limited)	1.00 0.45	Very limited ~slope (very limited) ~wetness (slightly limited)	1.00 0.28	Slightly limited ~wetness (slightly limited) ~slope (slightly limited)	0.28 0.04	Very limited ~large stones >30% (very limited) ~too acid (limited) ~wetness (slightly limited)	1.00 0.60 0.28
Waben-----	Slightly limited ~large stones (slightly limited)	0.00	Slightly limited ~large stones (slightly limited)	0.00	Moderately limited ~slope (moderately limited) ~large stones (slightly limited)	0.45 0.00	Slightly limited ~large stones (slightly limited)	0.00	Very limited ~small stones (very limited) ~large stones (moderately limited) ~droughty (slightly limited)	1.00 0.45 0.00
74679: Higdon-----	Very limited ~flooding (very limited) ~wetness (limited) ~shrink-swell (moderately limited)	1.00 0.99 0.45	Very limited ~flooding (very limited) ~wetness (very limited) ~shrink-swell (moderately limited)	1.00 1.00 0.39	Very limited ~flooding (very limited) ~wetness (limited) ~shrink-swell (moderately limited)	1.00 0.60 0.45	Limited ~flooding (rare) (limited) ~wetness (limited) ~shrink-swell (moderately limited)	0.90 0.60 0.45	Limited ~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	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
74680: Moniteau-----	Very limited ~wetness (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
	~flooding (very limited)	1.00	~wetness (very limited)	1.00	~wetness (very limited)	1.00	~wetness (very limited)	1.00	~too acid (slightly limited)	0.12
	~shrink-swell (moderately limited)	0.45	~shrink-swell (slightly limited)	0.23	~shrink-swell (moderately limited)	0.45	~flooding (rare) (limited)	0.90		
74685: Auxvasse-----	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	~wetness (limited)	0.60	~shrink-swell (very limited)	1.00		
					~slope (slightly limited)	0.15	~wetness (limited)	0.60		
75379: Kaintuck-----	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
75381: Bearthicket----	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	Not limited	
							~flooding (rare) (limited)	0.90		
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 (slightly limited)	0.22		

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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						
75408: Secesh-----	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	Not limited	
75409: Relfe-----	Very limited ~flooding (very limited)	1.00	Limited ~droughty (limited) ~flooding (moderately limited)	0.84 0.60						
75411: Tilk-----	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 (moderately limited) ~too acid (slightly limited)	1.00 0.30 0.18
75416: Gladden-----	Very limited ~flooding (very limited)	1.00	Moderately limited ~flooding (moderately limited)	0.60						
75417: Relfe-----	Very limited ~flooding (very limited)	1.00	Very limited ~flooding (very limited) ~droughty (very limited) ~small stones (very limited)	1.00 1.00 1.00						
Sandbur-----	Very limited ~flooding (very limited)	1.00	Very limited ~flooding (very limited)	1.00						

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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
75426: Gabriel-----	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	Limited ~wetness (limited)	0.60
	~wetness (limited)	0.99	~wetness (very limited)	1.00	~wetness (limited)	0.60	~flooding (rare) (limited)	0.90		
	~shrink-swell (moderately limited)	0.45	~shrink-swell (moderately limited)	0.37	~shrink-swell (moderately limited)	0.45	~wetness (limited)	0.60		
75428: Tilk-----	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
									~small stones (moderately limited)	0.58
									~droughty (moderately limited)	0.55
Cornwall-----	Very limited ~wetness (very limited)	1.00	Very limited ~wetness (very limited)	1.00	Very limited ~slope (very limited)	1.00	Limited ~wetness (limited)	0.68	Limited ~wetness (limited)	0.68
	~slope (moderately limited)	0.45	~slope (moderately limited)	0.45	~wetness (limited)	0.68	~slope (slightly limited)	0.04	~too acid (slightly limited)	0.24
									~slope (slightly limited)	0.04
Poynor-----	Limited ~slope (limited)	0.76	Not Rated Not Rated		Very limited ~slope (very limited)	1.00	Limited ~slope (limited)	0.63	Limited ~slope (limited)	0.63
			~slope (limited)	0.76					~droughty (moderately limited)	0.56
									~too acid (moderately limited)	0.48

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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
75429: Tilk-----	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 ~small stones (very limited) ~flooding (moderately limited) ~large stones (slightly limited)	1.00 0.60 0.01
Secesh-----	Very limited ~flooding (very limited) ~large stones (slightly limited)	1.00 0.12	Very limited ~flooding (very limited) ~large stones (slightly limited)	1.00 0.12	Very limited ~flooding (very limited) ~large stones (slightly limited)	1.00 0.12	Limited ~flooding (rare) (limited) ~large stones (slightly limited)	0.90 0.12	Limited ~large stones (limited) ~small stones (moderately limited)	0.99 0.37
75430: Wideman-----	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
75451: 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 ~small stones (very limited) ~flooding (moderately limited) ~large stones (slightly limited)	1.00 0.60 0.01
75467: Wilbur-----	Very limited ~flooding (very limited) ~wetness (limited)	1.00 0.77	Very limited ~flooding (very limited) ~wetness (very limited)	1.00 1.00	Very limited ~flooding (very limited) ~wetness (moderately limited)	1.00 0.43	Very limited ~flooding (very limited) ~wetness (moderately limited) ~low strength (slightly limited)	1.00 0.43 0.22	Very limited ~flooding (very limited) ~wetness (moderately limited)	1.00 0.43

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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
75468: Elsah-----	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) ~small stones (moderately limited)	1.00  0.33
77000: Killarney-----	Very limited ~slope (very limited) ~wetness (moderately limited)	1.00  0.45	Not Rated Not Rated ~slope (very limited) ~wetness (very limited)	1.00  1.00	Very limited ~slope (very limited)	1.00	Very limited ~slope (very limited)	1.00	Very limited ~slope (very limited) ~small stones (limited) ~large stones (limited)	1.00  0.85 0.64
Frenchmill-----	Very limited ~slope (very limited) ~large stones (slightly limited)	1.00  0.09	Very limited ~slope (very limited) ~large stones (slightly limited)	1.00  0.09	Very limited ~slope (very limited) ~large stones (slightly limited)	1.00  0.09	Very limited ~slope (very limited) ~large stones (slightly limited)	1.00  0.09	Very limited ~slope (very limited) ~large stones (limited)	1.00  0.79
77002: Delassus-----	Moderately limited ~wetness (moderately limited)	0.54	Not Rated Not Rated ~wetness (very limited) ~depth to bedrock (slightly limited)	1.00  1.00 0.27	Limited ~slope (limited) ~wetness (slightly limited)	0.68  0.19	Slightly limited ~wetness (slightly limited)	0.19	Slightly limited ~wetness (slightly limited) ~too acid (slightly limited)	0.19  0.18
77005: Hassler-----	Very limited ~slope (very limited) ~wetness (moderately limited) ~large stones (slightly limited)	1.00  0.55 0.04	Very limited ~wetness (very limited) ~slope (very limited) ~depth to bedrock (limited)	1.00  1.00 0.91	Very limited ~slope (very limited) ~wetness (slightly limited) ~large stones (slightly limited)	1.00  0.21 0.04	Very limited ~slope (very limited) ~wetness (slightly limited) ~large stones (slightly limited)	1.00  0.21 0.04	Very limited ~slope (very limited) ~wetness (slightly limited)	1.00  0.21

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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						
77005: (cont) Syenite-----	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 ~slope (very limited)	1.00	Very limited ~slope (very limited)	1.00
	~depth to bedrock (moderately limited)	0.47	~slope (very limited)	1.00	~depth to bedrock (moderately limited)	0.47	~depth to bedrock (moderately limited)	0.47	~too acid (moderately limited)	0.48
									~depth to bedrock (moderately limited)	0.35
77008: Hassler-----	Moderately limited ~wetness (moderately limited)	0.55	Very limited ~wetness (very limited)	1.00	Limited ~slope (limited)	0.99	Limited ~low strength (limited)	0.78	Very limited ~large stones >30% (very limited)	1.00
	~slope (moderately limited)	0.30	~depth to bedrock (limited)	0.69	~wetness (slightly limited)	0.21	~wetness (slightly limited)	0.21	~too acid (slightly limited)	0.24
			~slope (moderately limited)	0.30					~wetness (slightly limited)	0.21
80000: Calhoun-----	Very limited ~wetness (very limited)	1.00	Very limited ~wetness (very limited)	1.00	Limited ~wetness (limited)	0.99	Limited ~wetness (limited)	0.99	Limited ~wetness (limited)	0.99
			~shrink-swell (slightly limited)	0.20						
80001: Oaklimeter-----	Moderately limited ~wetness (moderately limited)	0.59	Very limited ~wetness (very limited)	1.00	Slightly limited ~wetness (slightly limited)	0.28	Slightly limited ~wetness (slightly limited)	0.28	Slightly limited ~wetness (slightly limited)	0.28
82000: Dubbs-----	Moderately limited ~shrink-swell (moderately limited)	0.45	Moderately limited ~shrink-swell (moderately limited)	0.43	Moderately limited ~shrink-swell (moderately limited)	0.45	Moderately limited ~shrink-swell (moderately limited)	0.45	Slightly limited ~too acid (slightly limited)	0.06

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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
82001: Amagon-----	Very limited ~wetness (very limited)	1.00	Very limited ~ponded (very limited)	1.00	Very limited ~ponded (wetness) (very limited)	1.00	Very limited ~ponded (wetness) (very limited)	1.00	Very limited ~wetness (very limited)	1.00
	~ponded (very limited)	1.00	~wetness (very limited)	1.00	~wetness (very limited)	1.00	~wetness (very limited)	1.00	~ponded (wetness) (very limited)	1.00
	~shrink-swell (moderately limited)	0.45	~shrink-swell (slightly limited)	0.17	~shrink-swell (moderately limited)	0.45	~shrink-swell (moderately limited)	0.45	~too acid (slightly limited)	0.12
82002: Forestdale----	Very limited ~wetness (very limited)	1.00	Very limited ~ponded (very limited)	1.00	Very limited ~ponded (wetness) (very limited)	1.00	Very limited ~low strength (very limited)	1.00	Very limited ~wetness (very limited)	1.00
	~ponded (very limited)	1.00	~wetness (very limited)	1.00	~wetness (very limited)	1.00	~ponded (wetness) (very limited)	1.00	~ponded (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	~too clayey (very limited)	0.96
82005: Malden-----	Not limited		Not limited		Not limited		Not limited		Limited ~droughty (limited)	0.70
82006: Bosket-----	Not limited		Not limited		Not limited		Not limited		Moderately limited ~too acid (moderately limited)	0.36
82007: Bosket-----	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

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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
82009: Forestdale-----	Very limited ~wetness (very limited) ~shrink-swell (very limited)	1.00  1.00	Very limited ~wetness (very limited) ~shrink-swell (very limited)	1.00  1.00	Very limited ~wetness (very limited) ~shrink-swell (very limited)	1.00  1.00	Very limited ~low strength (very limited) ~wetness (very limited) ~shrink-swell (very limited)	1.00  1.00 1.00	Very limited ~wetness (very limited) ~too clayey (very limited)	1.00  0.96
82010: Amagon-----	Very limited ~wetness (very limited)	1.00	Very limited ~wetness (very limited) ~shrink-swell (slightly limited)	1.00  0.14	Very limited ~wetness (very limited)	1.00	Very limited ~wetness (very limited)	1.00	Very limited ~wetness (very limited)	1.00
82011: Crowley-----	Very limited ~wetness (very limited) ~shrink-swell (very limited)	1.00  1.00	Very limited ~wetness (very limited) ~shrink-swell (moderately limited)	1.00  0.37	Very limited ~shrink-swell (very limited) ~wetness (limited)	1.00  0.99	Very limited ~low strength (very limited) ~shrink-swell (very limited) ~wetness (limited)	1.00  1.00 0.99	Limited ~wetness (limited)	0.99
86000: Dubbs-----	Very limited ~flooding (very limited) ~shrink-swell (moderately limited)	1.00  0.45	Very limited ~flooding (very limited) ~shrink-swell (slightly limited)	1.00  0.23	Very limited ~flooding (very limited) ~shrink-swell (moderately limited)	1.00  0.45	Very limited ~flooding (very limited) ~low strength (very limited) ~shrink-swell (moderately limited)	1.00  1.00 0.45	Moderately limited ~flooding (moderately 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	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
86001: Calhoun-----	Very limited ~wetness (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	Limited ~wetness (limited)	0.99
	~flooding (very limited)	1.00	~wetness (very limited)	1.00	~wetness (limited)	0.99	~wetness (limited)	0.99	~flooding (moderately limited)	0.60
							~low strength (slightly limited)	0.22	~too acid (slightly limited)	0.12
86002: Falaya-----	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
86003: Amagon-----	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	Limited ~wetness (limited)	0.60
	~wetness (limited)	0.99	~wetness (very limited)	1.00	~wetness (limited)	0.60	~low strength (very limited)	1.00	~flooding (moderately limited)	0.60
	~shrink-swell (moderately limited)	0.45	~shrink-swell (moderately limited)	0.36	~shrink-swell (moderately limited)	0.45	~wetness (limited)	0.60		
86004: Forestdale----	Very limited ~wetness (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
	~flooding (very limited)	1.00	~wetness (very limited)	1.00	~wetness (very limited)	1.00	~wetness (very limited)	1.00	~too acid (limited)	0.60
	~shrink-swell (very limited)	1.00	~shrink-swell (very limited)	1.00	~shrink-swell (very limited)	1.00	~flooding (very limited)	1.00	~too clayey (moderately limited)	0.60
90000: Memphis-----	Slightly limited ~slope (slightly limited)	0.15	Slightly limited ~slope (slightly limited)	0.15	Limited ~slope (limited)	0.83	Very limited ~low strength (very limited)	1.00	Not limited	

Bollinger County, Missouri: Detailed Soil Map Legend

Building Site Development

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

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
99001: Memphis-----	Limited ~slope (limited)	0.76	Limited ~slope (limited)	0.76	Very limited ~slope (very limited)	1.00	Very limited ~low strength (very limited) ~slope (limited)	1.00  0.63	Limited ~slope (limited) ~too acid (slightly limited)	0.63  0.12
99001: Water-----	Not rated		Not rated		Not rated		Not rated		Not rated	
99003: Miscellaneous water-----	Not rated		Not rated		Not rated		Not rated		Not rated	
99007: Dam-----	Not rated		Not rated		Not rated		Not rated		Not rated	
99015: Orthents-----	Not Rated Not Rated  ~slope (limited)	0.68	Not Rated Not Rated  ~slope (limited)	0.68	Very limited ~slope (very limited)	1.00	Moderately limited ~slope (moderately limited)	0.37	Not Rated Not Rated  Not Rated	
Water-----	Not rated		Not rated		Not rated		Not rated		Not rated	