

Franklin County, Missouri: Detailed Soil Map Legend

Construction Materials and Excavating

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Map symbol and soil name	Source for roadfill		Source for sand		Source for gravel		Source for topsoil		Shallow excavations	
	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
1B2: Union-----	Moderately limited ~shrink-swell (moderately limited)	0.59	Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (bottom layer)	1.00	Limited ~dense layer (limited)	0.86	Very limited ~wetness (very limited)	1.00
	~wetness (slightly limited)	0.26	~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00	~too clayey (limited)	0.83	~too clayey (limited)	0.99
							~area reclaim (moderately limited)	0.32	~dense layer (limited)	0.86
1C2: Union-----	Moderately limited ~shrink-swell (moderately limited)	0.59	Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (bottom layer)	1.00	Limited ~dense layer (limited)	0.86	Very limited ~wetness (very limited)	1.00
	~wetness (slightly limited)	0.26	~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00	~too clayey (limited)	0.83	~too clayey (limited)	0.99
							~area reclaim (moderately limited)	0.32	~dense layer (limited)	0.86
1D2: Union-----	Moderately limited ~shrink-swell (moderately limited)	0.59	Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (bottom layer)	1.00	Limited ~dense layer (limited)	0.86	Very limited ~wetness (very limited)	1.00
	~wetness (slightly limited)	0.26	~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00	~too clayey (limited)	0.83	~too clayey (limited)	0.99
							~slope (limited)	0.63	~dense layer (limited)	0.86
2D: Goss-----	Slightly limited ~shrink-swell (slightly limited)	0.27	Very limited ~excess fines (thickest layer)	1.00	Limited ~excess fines (bottom layer)	1.00	Very limited ~small stones (very limited)	1.00	Very limited ~cutbanks cave (very limited)	1.00
	~large stones (slightly limited)	0.23	~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	0.99	~too clayey (very limited)	1.00	~slope (limited)	0.63
			~small stones (thickest layer)	0.22	~small stones (thickest layer)	0.22	~area reclaim (very limited)	1.00	~too clayey (moderately limited)	0.53

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	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
2F: Goss-----	Very limited ~slope (very limited)	1.00	Very limited ~excess fines (thickest layer)	1.00	Limited ~excess fines (bottom layer)	1.00	Very limited ~small stones (very limited)	1.00	Very limited ~cutbanks cave (very limited)	1.00
	~shrink-swell (slightly limited)	0.25	~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	0.99	~slope (very limited)	1.00	~slope (very limited)	1.00
	~large stones (slightly limited)	0.24	~small stones (thickest layer)	0.22	~small stones (thickest layer)	0.22	~too clayey (very limited)	1.00	~too clayey (moderately limited)	0.53
3: Twomile-----	Limited ~wetness (limited)	0.86	Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (bottom layer)	1.00	Limited ~wetness (limited)	0.86	Very limited ~wetness (very limited)	1.00
	~shrink-swell (slightly limited)	0.10	~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00	~too acid (moderately limited)	0.42	~cutbanks cave (slightly limited)	0.29
5B: Hartville-----	Very limited ~shrink-swell (very limited)	1.00	Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (bottom layer)	1.00	Very limited ~too clayey (very limited)	1.00	Very limited ~wetness (very limited)	1.00
	~wetness (slightly limited)	0.26	~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00	~wetness (slightly limited)	0.26	~too clayey (moderately limited)	0.53
									~cutbanks cave (slightly limited)	0.29
5C: Hartville-----	Very limited ~shrink-swell (very limited)	1.00	Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (bottom layer)	1.00	Very limited ~too clayey (very limited)	1.00	Very limited ~wetness (very limited)	1.00
	~wetness (slightly limited)	0.26	~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00	~wetness (slightly limited)	0.26	~too clayey (moderately limited)	0.53
									~cutbanks cave (slightly limited)	0.29

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Map symbol and soil name	Source for roadfill		Source for sand		Source for gravel		Source for topsoil		Shallow excavations	
	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
6B: Bucklick-----	Very limited ~shrink-swell (very limited)	1.00	Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (thickest layer)	1.00	Very limited ~too clayey (very limited)	1.00	Very limited ~cutbanks cave (very limited)	1.00
	~depth to bedrock (moderately limited)	0.39	~excess fines (bottom layer)	1.00	~excess fines (bottom layer)	1.00	~area reclaim (slightly limited)	0.18	~depth to bedrock (moderately limited)	0.54
									~too clayey (moderately limited)	0.30
6C: Bucklick-----	Very limited ~shrink-swell (very limited)	1.00	Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (thickest layer)	1.00	Very limited ~too clayey (very limited)	1.00	Very limited ~cutbanks cave (very limited)	1.00
	~depth to bedrock (moderately limited)	0.39	~excess fines (bottom layer)	1.00	~excess fines (bottom layer)	1.00	~area reclaim (slightly limited)	0.18	~depth to bedrock (moderately limited)	0.54
									~too clayey (moderately limited)	0.30
6D: Bucklick-----	Very limited ~shrink-swell (very limited)	1.00	Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (thickest layer)	1.00	Very limited ~too clayey (very limited)	1.00	Very limited ~cutbanks cave (very limited)	1.00
	~depth to bedrock (moderately limited)	0.39	~excess fines (bottom layer)	1.00	~excess fines (bottom layer)	1.00	~slope (limited)	0.63	~slope (limited)	0.63
							~area reclaim (slightly limited)	0.18	~depth to bedrock (moderately limited)	0.54
6E: Bucklick-----	Very limited ~shrink-swell (very limited)	1.00	Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (thickest layer)	1.00	Very limited ~slope (very limited)	1.00	Very limited ~cutbanks cave (very limited)	1.00
	~depth to bedrock (moderately limited)	0.39	~excess fines (bottom layer)	1.00	~excess fines (bottom layer)	1.00	~too clayey (very limited)	1.00	~slope (very limited)	1.00
	~slope (slightly limited)	0.25					~area reclaim (slightly limited)	0.18	~depth to bedrock (moderately limited)	0.54

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Map symbol and soil name	Source for roadfill		Source for sand		Source for gravel		Source for topsoil		Shallow excavations	
	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
6F: Bucklick-----	Very limited ~shrink-swell (very limited)	1.00	Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (thickest layer)	1.00	Very limited ~slope (very limited)	1.00	Very limited ~slope (very limited)	1.00
	~slope (very limited)	1.00	~excess fines (bottom layer)	1.00	~excess fines (bottom layer)	1.00	~too clayey (very limited)	1.00	~cutbanks cave (very limited)	1.00
	~depth to bedrock (moderately limited)	0.54					~area reclaim (slightly limited)	0.18	~depth to bedrock (limited)	0.72
Gatewood-----	Very limited ~depth to bedrock (very limited)	1.00	Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (thickest layer)	1.00	Very limited ~slope (very limited)	1.00	Very limited ~hard bedrock <40" (very limited)	1.00
	~shrink-swell (very limited)	1.00	~excess fines (bottom layer)	1.00	~excess fines (bottom layer)	1.00	~too clayey (very limited)	1.00	~slope (very limited)	1.00
	~slope (very limited)	1.00					~depth to bedrock (very limited)	0.99	~cutbanks cave (very limited)	1.00
7B: Menfro-----	Moderately limited ~shrink-swell (moderately limited)	0.36	Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (bottom layer)	1.00	Moderately limited ~too clayey (moderately limited)	0.50	Slightly limited ~cutbanks cave (slightly limited)	0.29
			~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00				
7C2: Menfro-----	Moderately limited ~shrink-swell (moderately limited)	0.36	Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (bottom layer)	1.00	Moderately limited ~too clayey (moderately limited)	0.50	Slightly limited ~cutbanks cave (slightly limited)	0.29
			~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00				
7D2: Menfro-----	Moderately limited ~shrink-swell (moderately limited)	0.36	Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (bottom layer)	1.00	Limited ~slope (limited)	0.63	Limited ~slope (limited)	0.63
			~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00	~too clayey (moderately limited)	0.50	~cutbanks cave (slightly limited)	0.29

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Map symbol and soil name	Source for roadfill		Source for sand		Source for gravel		Source for topsoil		Shallow excavations	
	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
7E2: Menfro-----	Moderately limited ~shrink-swell (moderately limited)	0.36	Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (bottom layer)	1.00	Very limited ~slope (very limited)	1.00	Very limited ~slope (very limited)	1.00
	~slope (slightly limited)	0.25	~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00	~too clayey (moderately limited)	0.50	~cutbanks cave (slightly limited)	0.29
7F: Menfro-----	Very limited ~slope (very limited)	1.00	Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (bottom layer)	1.00	Very limited ~slope (very limited)	1.00	Very limited ~slope (very limited)	1.00
	~shrink-swell (moderately limited)	0.36	~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00	~too clayey (moderately limited)	0.50	~cutbanks cave (slightly limited)	0.29
8B: Crider-----	Not limited		Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (bottom layer)	1.00	Slightly limited ~too clayey (slightly limited)	0.21	Slightly limited ~cutbanks cave (slightly limited)	0.29
			~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00				
8C2: Crider-----	Not limited		Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (bottom layer)	1.00	Slightly limited ~too clayey (slightly limited)	0.21	Slightly limited ~cutbanks cave (slightly limited)	0.29
			~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00				
8D2: Crider-----	Not limited		Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (bottom layer)	1.00	Limited ~slope (limited)	0.63	Limited ~slope (limited)	0.63
			~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00	~too clayey (slightly limited)	0.21	~cutbanks cave (slightly limited)	0.29

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Map symbol and soil name	Source for roadfill		Source for sand		Source for gravel		Source for topsoil		Shallow excavations	
	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
8E: Crider-----	Slightly limited ~slope (slightly limited)	0.25	Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (bottom layer)	1.00	Very limited ~slope (very limited)	1.00	Very limited ~slope (very limited)	1.00
			~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00	~too clayey (slightly limited)	0.21	~cutbanks cave (slightly limited)	0.29
10F: Gasconade-----	Very limited ~depth to bedrock (very limited)	1.00	Very limited ~excess fines (thickest layer)	1.00	Limited ~excess fines (bottom layer)	0.99	Very limited ~depth to bedrock (very limited)	1.00	Very limited ~hard bedrock <40" (very limited)	1.00
	~slope (limited)	0.67	~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	0.99	~small stones (very limited)	1.00	~slope (very limited)	1.00
	~large stones (limited)	0.67	~small stones (thickest layer)	0.66	~small stones (thickest layer)	0.66	~too clayey (very limited)	1.00	~large stones (limited)	0.67
Rock outcrop---	Not rated		Not rated		Not rated		Not rated		Not rated	
12: Bremer-----	Very limited ~shrink-swell (very limited)	1.00	Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (bottom layer)	1.00	Limited ~wetness (limited)	0.86	Very limited ~wetness (very limited)	1.00
	~wetness (limited)	0.86	~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00	~too clayey (moderately limited)	0.53	~cutbanks cave (slightly limited)	0.29
									~too clayey (slightly limited)	0.26
13A: Auxvasse-----	Limited ~wetness (limited)	0.86	Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (bottom layer)	1.00	Limited ~wetness (limited)	0.86	Very limited ~wetness (very limited)	1.00
	~shrink-swell (moderately limited)	0.59	~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00			~too clayey (limited)	0.70
									~cutbanks cave (slightly limited)	0.29

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	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
14C: Hobson-----	Slightly limited ~wetness (slightly limited)	0.26	Very limited ~excess fines (thickest layer) ~excess fines (bottom layer)	1.00 1.00	Possible source ~excess fines (thickest layer) ~possible source (bottom layer)	1.00 0.38	Very limited ~dense layer <20" (very limited) ~small stones (very limited) ~area reclaim (very limited)	1.00 1.00 1.00	Very limited ~dense layer <20" (very limited) ~cutbanks cave (very limited) ~wetness (very limited)	1.00 1.00 1.00
14D: Hobson-----	Slightly limited ~wetness (slightly limited)	0.26	Very limited ~excess fines (thickest layer) ~excess fines (bottom layer)	1.00 1.00	Possible source ~excess fines (thickest layer) ~possible source (bottom layer)	1.00 0.38	Very limited ~dense layer <20" (very limited) ~small stones (very limited) ~area reclaim (very limited)	1.00 1.00 1.00	Very limited ~dense layer <20" (very limited) ~cutbanks cave (very limited) ~wetness (very limited)	1.00 1.00 1.00
15: Gladden-----	Not limited		Very limited ~excess fines (thickest layer) ~excess fines (bottom layer)	1.00 1.00	Limited ~excess fines (thickest layer) ~excess fines (bottom layer)	1.00 0.99	Very limited ~area reclaim (very limited) ~small stones (very limited) ~too acid (slightly limited)	1.00 1.00 0.12	Very limited ~cutbanks cave (very limited) ~flooding (moderately limited)	1.00 0.60
Midco-----	Slightly limited ~large stones (slightly limited)	0.01	Very limited ~excess fines (thickest layer) ~excess fines (bottom layer)	1.00 1.00	Limited ~excess fines (thickest layer) ~excess fines (bottom layer)	1.00 0.62	Very limited ~small stones (very limited) ~area reclaim (very limited) ~large stones (moderately limited)	1.00 1.00 0.48	Very limited ~cutbanks cave (very limited) ~flooding (moderately limited) ~large stones (slightly limited)	1.00 0.60 0.01

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	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
16: Blake-----	Not limited		Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (bottom layer)	1.00	Slightly limited ~excess lime (slightly limited)	0.03	Limited ~wetness (limited)	0.95
			~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00			~cutbanks cave (slightly limited)	0.29
Waldron-----	Very limited ~shrink-swell (very limited)	1.00	Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (bottom layer)	1.00	Very limited ~too clayey (very limited)	1.00	Very limited ~wetness (very limited)	1.00
	~wetness (moderately limited)	0.48	~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00	~wetness (moderately limited)	0.48	~too clayey (moderately limited)	0.38
									~cutbanks cave (slightly limited)	0.29
17: Hodge-----	Not limited		Possible source ~possible source (thickest layer)	0.33	Very limited ~excess fines (bottom layer)	1.00	Very limited ~too sandy (very limited)	1.00	Very limited ~cutbanks cave (very limited)	1.00
			~possible source (bottom layer)	0.30	~excess fines (thickest layer)	1.00			~flooding (moderately limited)	0.60
Blake-----	Not limited		Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (bottom layer)	1.00	Slightly limited ~excess lime (slightly limited)	0.03	Limited ~wetness (limited)	0.95
			~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00			~flooding (moderately limited)	0.60
									~cutbanks cave (slightly limited)	0.29
19: Haynie-----	Not limited		Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (bottom layer)	1.00	Slightly limited ~excess lime (slightly limited)	0.03	Slightly limited ~cutbanks cave (slightly limited)	0.29
			~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00				

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	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
19: (cont)										
Waldron-----	Very limited ~shrink-swell (very limited) ~wetness (moderately limited)	1.00  0.48	Very limited ~excess fines (thickest layer) ~excess fines (bottom layer)	1.00  1.00	Very limited ~excess fines (bottom layer) ~excess fines (thickest layer)	1.00  1.00	Very limited ~too clayey (very limited) ~wetness (moderately limited)	1.00  0.48	Very limited ~wetness (very limited) ~too clayey (moderately limited) ~cutbanks cave (slightly limited)	1.00  0.38  0.29
20:										
Hodge-----	Not limited		Possible source ~possible source (bottom layer) ~possible source (thickest layer)	0.30  0.10	Very limited ~excess fines (bottom layer) ~excess fines (thickest layer)	1.00  1.00	Very limited ~too sandy (very limited)	1.00	Very limited ~cutbanks cave (very limited)	1.00
Haynie-----	Not limited		Very limited ~excess fines (thickest layer) ~excess fines (bottom layer)	1.00  1.00	Very limited ~excess fines (bottom layer) ~excess fines (thickest layer)	1.00  1.00	Slightly limited ~excess lime (slightly limited)	0.03	Slightly limited ~cutbanks cave (slightly limited)	0.29
22:										
Waldron-----	Very limited ~shrink-swell (very limited) ~wetness (moderately limited)	1.00  0.48	Very limited ~excess fines (thickest layer) ~excess fines (bottom layer)	1.00  1.00	Very limited ~excess fines (bottom layer) ~excess fines (thickest layer)	1.00  1.00	Very limited ~too clayey (very limited) ~wetness (moderately limited)	1.00  0.48	Very limited ~wetness (very limited) ~too clayey (moderately limited) ~cutbanks cave (slightly limited)	1.00  0.38  0.29
Booker-----	Very limited ~shrink-swell (very limited) ~wetness (very limited)	1.00  1.00	Very limited ~excess fines (thickest layer) ~excess fines (bottom layer)	1.00  1.00	Very limited ~excess fines (bottom layer) ~excess fines (thickest layer)	1.00  1.00	Very limited ~too clayey (very limited) ~wetness (very limited)	1.00  1.00	Very limited ~wetness (very limited) ~too clayey (very limited) ~cutbanks cave (slightly limited)	1.00  1.00  0.29

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	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
23C2: Winfield-----	Slightly limited ~shrink-swell (slightly limited)	0.25	Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (bottom layer)	1.00	Moderately limited ~too clayey (moderately limited)	0.46	Limited ~wetness (limited)	0.90
			~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00			~cutbanks cave (slightly limited)	0.29
23D2: Winfield-----	Slightly limited ~shrink-swell (slightly limited)	0.25	Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (bottom layer)	1.00	Limited ~slope (limited)	0.63	Limited ~wetness (limited)	0.90
			~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00	~too clayey (moderately limited)	0.46	~slope (limited)	0.63
									~cutbanks cave (slightly limited)	0.29
24E: Gateway-----	Very limited ~depth to bedrock (very limited)	1.00	Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (thickest layer)	1.00	Very limited ~too clayey (very limited)	1.00	Very limited ~hard bedrock <40" (very limited)	1.00
	~shrink-swell (very limited)	1.00	~excess fines (bottom layer)	1.00	~excess fines (bottom layer)	1.00	~slope (very limited)	1.00	~cutbanks cave (very limited)	1.00
	~slope (slightly limited)	0.25					~depth to bedrock (limited)	0.93	~too clayey (very limited)	1.00
25E: Beemont-----	Very limited ~shrink-swell (very limited)	1.00	Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (bottom layer)	1.00	Very limited ~too clayey (very limited)	1.00	Very limited ~cutbanks cave (very limited)	1.00
	~depth to bedrock (moderately limited)	0.33	~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00	~slope (very limited)	1.00	~too clayey (very limited)	1.00
	~slope (slightly limited)	0.08					~area reclaim (moderately limited)	0.32	~slope (very limited)	1.00

Franklin County, Missouri: Detailed Soil Map Legend

Construction Materials and Excavating

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Map symbol and soil name	Source for roadfill		Source for sand		Source for gravel		Source for topsoil		Shallow excavations	
	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
29F:										
Menfro-----	Very limited ~slope (very limited)	1.00	Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (bottom layer)	1.00	Very limited ~slope (very limited)	1.00	Very limited ~slope (very limited)	1.00
	~shrink-swell (slightly limited)	0.20	~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00	~too clayey (moderately limited)	0.50	~cutbanks cave (slightly limited)	0.29
Bardley-----	Very limited ~depth to bedrock (very limited)	1.00	Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (bottom layer)	1.00	Very limited ~slope (very limited)	1.00	Very limited ~hard bedrock <40" (very limited)	1.00
	~slope (very limited)	1.00	~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00	~too clayey (very limited)	1.00	~slope (very limited)	1.00
	~shrink-swell (moderately limited)	0.33					~small stones (limited)	0.97	~too clayey (very limited)	1.00
31:										
Pits-----	Not rated		Not rated		Not rated		Not rated		Not rated	
Udorthents----	Not Rated		Not Rated		Not Rated		Not Rated		Not Rated	
							Not Rated			
32:										
Pits-----	Not rated		Not rated		Not rated		Not rated		Not rated	
36F:										
Bardley-----	Very limited ~depth to bedrock (very limited)	1.00	Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (bottom layer)	1.00	Very limited ~slope (very limited)	1.00	Very limited ~hard bedrock <40" (very limited)	1.00
	~slope (very limited)	1.00	~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00	~too clayey (very limited)	1.00	~slope (very limited)	1.00
	~shrink-swell (slightly limited)	0.21					~small stones (limited)	0.97	~too clayey (very limited)	1.00

Franklin County, Missouri: Detailed Soil Map Legend

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Map symbol and soil name	Source for roadfill		Source for sand		Source for gravel		Source for topsoil		Shallow excavations	
	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
38A: Haymond-----	Not limited		Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (bottom layer)	1.00	Not limited		Moderately limited ~flooding (moderately limited)	0.60
			~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00			~cutbanks cave (slightly limited)	0.29
Riverwash-----	Not rated		Not rated		Not rated		Not rated		Not rated	
39: Haymond-----	Not Rated		Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (bottom layer)	1.00	Not Rated		Not Rated	
	Not Rated		~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00			~flooding (moderately limited)	0.60
									~cutbanks cave (slightly limited)	0.29
40A: Racoon-----	Very limited ~wetness (very limited)	1.00	Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (bottom layer)	1.00	Very limited ~wetness (very limited)	1.00	Very limited ~wetness (very limited)	1.00
	~shrink-swell (very limited)	1.00	~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00			~flooding (moderately limited)	0.60
									~cutbanks cave (slightly limited)	0.29
43: Cedargap-----	Not limited		Very limited ~excess fines (thickest layer)	1.00	Possible source ~excess fines (thickest layer)	1.00	Very limited ~area reclaim (very limited)	1.00	Very limited ~cutbanks cave (very limited)	1.00
			~excess fines (bottom layer)	1.00	~possible source (bottom layer)	0.46	~small stones (very limited)	1.00	~flooding (moderately limited)	0.60
							~large stones (slightly limited)	0.24		

Franklin County, Missouri: Detailed Soil Map Legend

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Map symbol and soil name	Source for roadfill		Source for sand		Source for gravel		Source for topsoil		Shallow excavations	
	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
44: Gladden-----	Not limited		Very limited ~excess fines (thickest layer)	1.00	Limited ~excess fines (thickest layer)	1.00	Very limited ~area reclaim (very limited)	1.00	Very limited ~cutbanks cave (very limited)	1.00
			~excess fines (bottom layer)	1.00	~excess fines (bottom layer)	0.99	~small stones (very limited)	1.00	~flooding (moderately limited)	0.60
							~too acid (slightly limited)	0.12		
45: Pope-----	Not limited		Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (bottom layer)	1.00	Limited ~too sandy (limited)	0.67	Moderately limited ~flooding (moderately limited)	0.60
			~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00	~too acid (moderately limited)	0.54	~cutbanks cave (slightly limited)	0.29
46F: Lily-----	Very limited ~depth to bedrock (very limited)	1.00	Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (bottom layer)	1.00	Very limited ~slope (very limited)	1.00	Very limited ~hard bedrock <40" (very limited)	1.00
	~slope (limited)	0.92	~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00	~depth to bedrock (limited)	0.93	~slope (very limited)	1.00
							~too acid (moderately limited)	0.54	~cutbanks cave (slightly limited)	0.29
Holstein-----	Limited ~slope (limited)	0.92	Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (bottom layer)	1.00	Very limited ~slope (very limited)	1.00	Very limited ~slope (very limited)	1.00
	~shrink-swell (slightly limited)	0.17	~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00	~too clayey (moderately limited)	0.55	~cutbanks cave (slightly limited)	0.29
							~too acid (slightly limited)	0.12	~too clayey (slightly limited)	0.03

Franklin County, Missouri: Detailed Soil Map Legend

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Map symbol and soil name	Source for roadfill		Source for sand		Source for gravel		Source for topsoil		Shallow excavations	
	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
46F: (cont)										
Ramsey-----	Very limited		Very limited		Very limited		Very limited		Very limited	
	~depth to bedrock (very limited)	1.00	~excess fines (thickest layer)	1.00	~excess fines (bottom layer)	1.00	~depth to bedrock (very limited)	1.00	~hard bedrock <40" (very limited)	1.00
	~slope (limited)	0.92	~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00	~slope (very limited)	1.00	~slope (very limited)	1.00
							~too acid (slightly limited)	0.30	~cutbanks cave (slightly limited)	0.29
47D:										
Hobson-----	Slightly limited		Very limited		Possible source		Very limited		Very limited	
	~wetness (slightly limited)	0.26	~excess fines (thickest layer)	1.00	~possible source (bottom layer)	0.42	~small stones (very limited)	1.00	~cutbanks cave (very limited)	1.00
	~shrink-swell (slightly limited)	0.08	~excess fines (bottom layer)	1.00	~possible source (thickest layer)	0.38	~area reclaim (very limited)	1.00	~wetness (very limited)	1.00
							~dense layer (limited)	0.99	~dense layer (limited)	0.99
Lily-----	Very limited		Very limited		Very limited		Limited		Very limited	
	~depth to bedrock (very limited)	1.00	~excess fines (thickest layer)	1.00	~excess fines (bottom layer)	1.00	~depth to bedrock (very limited)	0.99	~hard bedrock <40" (very limited)	1.00
			~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00	~slope (limited)	0.63	~slope (limited)	0.63
							~too acid (moderately limited)	0.54	~cutbanks cave (slightly limited)	0.29
Ramsey-----	Very limited		Very limited		Very limited		Very limited		Very limited	
	~depth to bedrock (very limited)	1.00	~excess fines (thickest layer)	1.00	~excess fines (bottom layer)	1.00	~depth to bedrock (very limited)	1.00	~hard bedrock <40" (very limited)	1.00
			~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00	~slope (limited)	0.63	~slope (limited)	0.63
							~too acid (slightly limited)	0.30	~cutbanks cave (slightly limited)	0.29
AED:										
Orthent-----	Not rated		Not rated		Not rated		Not rated		Not rated	

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Map symbol and soil name	Source for roadfill		Source for sand		Source for gravel		Source for topsoil		Shallow excavations	
	Rating class and limiting features	Value								
M-W: Water-----	Not rated									
W: Water-----	Not rated									