

Cass County, Missouri: Detailed Soil Map Legend

Sanitary Facilities

(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	Septic tank absorption field		Sewage lagoons		Sanitary landfill (trench)		Sanitary landfill (area)		Daily cover for landfill	
	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
2C: Higginsville----	Very limited ~wetness (very limited) ~percs slowly (slightly limited)	1.00 0.25	Very limited ~wetness (very limited) ~slope (very limited) ~seepage (moderately limited)	1.00 1.00 0.50	Limited ~wetness (limited) ~too clayey (slightly limited)	0.89 0.15	Limited ~wetness (limited)	0.69	Moderately limited ~wetness (moderately limited) ~too clayey (slightly limited)	0.45 0.03
5B: Macksburg-----	Limited ~wetness (limited) ~percs slowly (limited)	0.98 0.71	Very limited ~wetness (very limited) ~seepage (moderately limited) ~slope (moderately limited)	1.00 0.50 0.31	Moderately limited ~wetness (moderately limited) ~too clayey (moderately limited)	0.59 0.54	Slightly limited ~wetness (slightly limited)	0.29	Limited ~hard to pack (limited) ~wetness (slightly limited) ~too clayey (slightly limited)	0.70 0.28 0.27
6B: Sharpsburg-----	Limited ~percs slowly (limited)	0.71	Moderately limited ~seepage (moderately limited) ~slope (moderately limited)	0.50 0.31	Moderately limited ~too clayey (moderately limited)	0.54	Not limited		Limited ~hard to pack (limited) ~too clayey (slightly limited)	0.70 0.27
7B: Deepwater-----	Limited ~wetness (limited) ~percs slowly (slightly limited)	0.70 0.25	Limited ~wetness (limited) ~seepage (moderately limited) ~slope (moderately limited)	0.92 0.50 0.31	Moderately limited ~wetness (moderately limited) ~too clayey (slightly limited)	0.38 0.15	Slightly limited ~wetness (slightly limited)	0.08	Slightly limited ~too clayey (slightly limited)	0.03

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Map symbol and soil name	Septic tank absorption field		Sewage lagoons		Sanitary landfill (trench)		Sanitary landfill (area)		Daily cover for landfill	
	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
7C: Deepwater-----	Limited ~wetness (limited) ~percs slowly (slightly limited)	0.70 0.25	Very limited ~slope (very limited) ~wetness (limited) ~seepage (moderately limited)	1.00 0.92 0.50	Moderately limited ~wetness (moderately limited) ~too clayey (slightly limited)	0.38 0.15	Slightly limited ~wetness (slightly limited)	0.08	Slightly limited ~too clayey (slightly limited)	0.03
8: Pits-----	Not rated		Not rated		Not rated		Not rated		Not rated	
9D: Snead-----	Very limited ~wetness (very limited) ~percs slowly (limited) ~depth to bedrock (limited)	1.00 0.93 0.82	Very limited ~wetness (very limited) ~slope (very limited) ~depth to bedrock (limited)	1.00 1.00 0.82	Very limited ~depth to bedrock (very limited) ~too clayey (limited) ~wetness (limited)	1.00 0.80 0.79	Limited ~depth to bedrock (limited) ~wetness (limited) ~slope (slightly limited)	0.66 0.60 0.16	Limited ~hard to pack (limited) ~depth to bedrock (limited) ~too clayey (moderately limited)	0.70 0.66 0.60
10D: Snead-----	Very limited ~depth to bedrock (very limited) ~wetness (very limited) ~percs slowly (limited)	1.00 1.00 0.93	Very limited ~wetness (very limited) ~depth to bedrock (very limited) ~slope (very limited)	1.00 1.00 1.00	Not Rated Not Rated ~depth to bedrock (very limited) ~too clayey (limited)	1.00 1.00 0.80	Very limited ~depth to bedrock (very limited) ~wetness (limited) ~slope (slightly limited)	1.00 0.60 0.16	Not Rated Not Rated ~depth to bedrock (very limited) ~hard to pack (limited)	1.00 1.00 0.70
Rock outcrop---	Not rated		Not rated		Not rated		Not rated		Not rated	

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Map symbol and soil name	Septic tank absorption field		Sewage lagoons		Sanitary landfill (trench)		Sanitary landfill (area)		Daily cover for landfill	
	Rating class and limiting features	Value								
10F:										
Snead-----	Very limited		Very limited		Not Rated		Very limited		Not Rated	
	~depth to bedrock (very limited)	1.00	~slope (very limited)	1.00	Not Rated		~depth to bedrock (very limited)	1.00	Not Rated	
	~wetness (very limited)	1.00	~wetness (very limited)	1.00	~depth to bedrock (very limited)	1.00	~slope (very limited)	1.00	~depth to bedrock (very limited)	1.00
	~slope (very limited)	1.00	~depth to bedrock (very limited)	1.00	~slope (very limited)	1.00	~wetness (limited)	0.60	~slope (very limited)	1.00
Rock outcrop---	Not rated									
11C:										
Greenton-----	Very limited		Very limited		Very limited		Limited		Limited	
	~wetness (very limited)	1.00	~wetness (very limited)	1.00	~wetness (very limited)	1.00	~wetness (limited)	0.99	~hard to pack (limited)	0.70
	~percs slowly (limited)	0.93	~slope (very limited)	1.00	~too clayey (limited)	0.65			~wetness (moderately limited)	0.60
									~too clayey (moderately limited)	0.38
13B:										
Sampsel-----	Very limited									
	~wetness (very limited)	1.00								
	~percs slowly (limited)	0.93	~slope (moderately limited)	0.31	~too clayey (limited)	0.75			~hard to pack (limited)	0.70
									~too clayey (moderately limited)	0.53

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Map symbol and soil name	Septic tank absorption field		Sewage lagoons		Sanitary landfill (trench)		Sanitary landfill (area)		Daily cover for landfill	
	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
13C: Sampsel-----	Very limited ~wetness (very limited)	1.00	Very limited ~wetness (very limited)	1.00	Very limited ~wetness (very limited)	1.00	Very limited ~wetness (very limited)	1.00	Very limited ~wetness (very limited)	1.00
	~percs slowly (limited)	0.93	~slope (very limited)	1.00	~too clayey (limited)	0.75			~hard to pack (limited)	0.70
									~too clayey (moderately limited)	0.53
14B: Barco-----	Limited ~depth to bedrock (limited)	0.75	Limited ~depth to bedrock (limited)	0.75	Very limited ~depth to bedrock (very limited)	1.00	Moderately limited ~depth to bedrock (moderately limited)	0.57	Moderately limited ~depth to bedrock (moderately limited)	0.57
	~percs slowly (limited)	0.71	~seepage (moderately limited)	0.50						
			~slope (moderately limited)	0.31						
17B: Polo-----	Slightly limited ~percs slowly (slightly limited)	0.25	Moderately limited ~seepage (moderately limited)	0.50	Limited ~too clayey (limited)	0.65	Not limited		Limited ~hard to pack (limited)	0.70
			~slope (moderately limited)	0.31					~too clayey (moderately limited)	0.38
17C: Polo-----	Slightly limited ~percs slowly (slightly limited)	0.25	Very limited ~slope (very limited)	1.00	Limited ~too clayey (limited)	0.65	Not limited		Limited ~hard to pack (limited)	0.70
			~seepage (moderately limited)	0.50					~too clayey (moderately limited)	0.38

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Map symbol and soil name	Septic tank absorption field		Sewage lagoons		Sanitary landfill (trench)		Sanitary landfill (area)		Daily cover for landfill	
	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
18B: Summit-----	Very limited ~wetness (very limited) ~percs slowly (limited)	1.00 0.93	Very limited ~wetness (very limited)	1.00	Limited ~too clayey (limited) ~wetness (limited)	0.80 0.79	Limited ~wetness (limited)	0.60	Limited ~hard to pack (limited) ~too clayey (moderately limited) ~wetness (moderately limited)	0.70 0.60 0.40
18C: Summit-----	Very limited ~wetness (very limited) ~percs slowly (limited)	1.00 0.93	Very limited ~wetness (very limited) ~slope (moderately limited)	1.00 0.31	Limited ~too clayey (limited) ~wetness (limited)	0.80 0.79	Limited ~wetness (limited)	0.60	Limited ~hard to pack (limited) ~too clayey (moderately limited) ~wetness (moderately limited)	0.70 0.60 0.40
19B: Weller-----	Limited ~wetness (limited) ~percs slowly (limited)	0.98 0.93	Very limited ~wetness (very limited) ~slope (moderately limited)	1.00 0.31	Moderately limited ~wetness (moderately limited) ~too clayey (moderately limited) ~too acid (slightly limited)	0.59 0.48 0.12	Slightly limited ~wetness (slightly limited)	0.29	Limited ~hard to pack (limited) ~wetness (slightly limited) ~too clayey (slightly limited)	0.70 0.28 0.24
19C2: Weller-----	Limited ~wetness (limited) ~percs slowly (limited)	0.98 0.93	Very limited ~wetness (very limited) ~slope (very limited)	1.00 1.00	Moderately limited ~wetness (moderately limited) ~too clayey (moderately limited) ~too acid (slightly limited)	0.59 0.48 0.12	Slightly limited ~wetness (slightly limited)	0.29	Limited ~hard to pack (limited) ~wetness (slightly limited) ~too clayey (slightly limited)	0.70 0.28 0.24

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Map symbol and soil name	Septic tank absorption field		Sewage lagoons		Sanitary landfill (trench)		Sanitary landfill (area)		Daily cover for landfill	
	Rating class and limiting features	Value								
22C:										
Oska-----	Limited		Limited		Very limited		Limited		Limited	
	~depth to bedrock (limited)	0.94	~depth to bedrock (limited)	0.94	~depth to bedrock (very limited)	1.00	~depth to bedrock (limited)	0.90	~depth to bedrock (limited)	0.90
	~percs slowly (limited)	0.93	~slope (limited)	0.91	~too clayey (limited)	0.65			~hard to pack (limited)	0.70
									~too clayey (moderately limited)	0.38
28D:										
Coweta-----	Not Rated		Very limited		Not Rated		Very limited		Not Rated	
	Not Rated		~depth to bedrock (very limited)	1.00	Not Rated		~depth to bedrock (very limited)	1.00	Not Rated	
	~depth to bedrock (very limited)	1.00	~slope (very limited)	1.00	~depth to bedrock (very limited)	1.00	~slope (slightly limited)	0.16	Not Rated	
	~slope (slightly limited)	0.16			~slope (slightly limited)	0.16			~depth to bedrock (very limited)	1.00
29D:										
Norris-----	Not Rated		Very limited		Not Rated		Very limited		Not Rated	
	Not Rated		~depth to bedrock (very limited)	1.00	Not Rated		~depth to bedrock (very limited)	1.00	Not Rated	
	~depth to bedrock (very limited)	1.00	~slope (very limited)	1.00	~depth to bedrock (very limited)	1.00	~slope (slightly limited)	0.16	Not Rated	
	~slope (slightly limited)	0.16			~slope (slightly limited)	0.16			~depth to bedrock (very limited)	1.00
32:										
Freeburg-----	Very limited		Very limited		Very limited		Very limited		Moderately limited	
	~flooding (very limited)	1.00	~wetness (moderately limited)	0.50						
	~wetness (very limited)	1.00	~wetness (very limited)	1.00	~wetness (limited)	0.99	~wetness (limited)	0.80	~too clayey (slightly limited)	0.03
	~percs slowly (limited)	0.71	~seepage (moderately limited)	0.50	~too clayey (slightly limited)	0.15				

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Map symbol and soil name	Septic tank absorption field		Sewage lagoons		Sanitary landfill (trench)		Sanitary landfill (area)		Daily cover for landfill	
	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
33: Zook-----	Very limited ~flooding (very limited) ~wetness (very limited) ~percs slowly (limited)	1.00 1.00 0.93	Very limited ~flooding (very limited) ~wetness (very limited)	1.00 1.00	Very limited ~flooding (very limited) ~wetness (limited) ~too clayey (limited)	1.00 1.00 0.99 0.61	Very limited ~flooding (very limited) ~wetness (limited)	1.00 1.00 0.80	Limited ~hard to pack (limited) ~wetness (moderately limited) ~too clayey (moderately limited)	0.70 0.50 0.31
34: Blackoar-----	Very limited ~wetness (very limited) ~flooding (very limited) ~percs slowly (slightly limited)	1.00 1.00 0.25	Very limited ~flooding (very limited) ~wetness (very limited) ~seepage (moderately limited)	1.00 1.00 0.50	Very limited ~wetness (very limited) ~flooding (very limited)	1.00 1.00	Very limited ~flooding (very limited) ~wetness (very limited)	1.00 1.00	Very limited ~wetness (very limited)	1.00
36: Bremer-----	Very limited ~wetness (very limited) ~percs slowly (limited)	1.00 0.71	Very limited ~wetness (very limited)	1.00	Very limited ~wetness (very limited) ~too clayey (moderately limited)	1.00 0.51	Limited ~wetness (limited)	0.99	Limited ~hard to pack (limited) ~wetness (moderately limited) ~too clayey (slightly limited)	0.70 0.60 0.26
37: Moniteau-----	Very limited ~wetness (very limited) ~flooding (very limited) ~percs slowly (limited)	1.00 1.00 0.71	Very limited ~flooding (very limited) ~wetness (very limited)	1.00 1.00	Very limited ~flooding (very limited) ~wetness (very limited) ~too clayey (slightly limited)	1.00 1.00 0.15	Very limited ~flooding (very limited) ~wetness (very limited)	1.00 1.00	Limited ~wetness (limited) ~too acid (slightly limited) ~too clayey (slightly limited)	0.99 0.12 0.03

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Map symbol and soil name	Septic tank absorption field		Sewage lagoons		Sanitary landfill (trench)		Sanitary landfill (area)		Daily cover for landfill	
	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
40: Haig-----	Very limited ~wetness (very limited) ~percs slowly (limited)	1.00 0.93	Very limited ~wetness (very limited) ~seepage (moderately limited)	1.00 0.50	Very limited ~wetness (very limited) ~too clayey (limited)	1.00 0.70	Limited ~wetness (limited)	0.99	Moderately limited ~wetness (moderately limited) ~too clayey (moderately limited)	0.60 0.45
47C: Mandeville----	Very limited ~depth to bedrock (very limited) ~percs slowly (slightly limited)	1.00 0.25	Very limited ~depth to bedrock (very limited) ~slope (very limited) ~seepage (moderately limited)	1.00 1.00 0.50	Very limited ~depth to bedrock (very limited) ~too acid (slightly limited)	1.00 0.12		1.00	Very limited ~depth to bedrock (very limited) ~too acid (slightly limited)	1.00 0.12
49D: Eram-----	Very limited ~wetness (very limited) ~percs slowly (limited) ~depth to bedrock (limited)	1.00 0.93 0.63	Very limited ~wetness (very limited) ~slope (very limited) ~depth to bedrock (limited)	1.00 1.00 0.63	Very limited ~depth to bedrock (very limited) ~wetness (limited) ~too clayey (limited)	1.00 0.79 0.70	Limited ~wetness (limited) ~depth to bedrock (moderately limited) ~slope (slightly limited)	0.60 0.47 0.16	Limited ~hard to pack (limited) ~depth to bedrock (moderately limited) ~too clayey (moderately limited)	0.70 0.47 0.45
51B: Kenoma-----	Very limited ~percs slowly (very limited)	1.00	Slightly limited ~slope (slightly limited)	0.08	Limited ~too clayey (limited)	0.80	Not limited		Limited ~hard to pack (limited) ~too clayey (moderately limited)	0.70 0.60
51C: Kenoma-----	Very limited ~percs slowly (very limited)	1.00	Limited ~slope (limited)	0.91	Limited ~too clayey (limited)	0.80	Not limited		Limited ~hard to pack (limited) ~too clayey	0.70 0.60

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Map symbol and soil name	Septic tank absorption field		Sewage lagoons		Sanitary landfill (trench)		Sanitary landfill (area)		Daily cover for landfill	
	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
										(moderately limited)
52C: Nowata-----	Limited ~percs slowly (limited) ~depth to bedrock (moderately limited)	0.71 0.56	Limited ~slope (limited) ~depth to bedrock (moderately limited)	0.91 0.56	Very limited ~depth to bedrock (very limited) ~too clayey (slightly limited) ~large stones (slightly limited)	1.00 0.15 0.15	Moderately limited ~depth to bedrock (moderately limited)	0.42	Moderately limited ~depth to bedrock (moderately limited) ~too clayey (slightly limited)	0.42 0.03
62B: Macksburg-----	Limited ~wetness (limited) ~percs slowly (limited)	0.98 0.71	Very limited ~wetness (very limited) ~seepage (moderately limited) ~slope (moderately limited)	1.00 0.50 0.31	Moderately limited ~wetness (moderately limited) ~too clayey (moderately limited)	0.59 0.54	Slightly limited ~wetness (slightly limited)	0.29	Limited ~hard to pack (limited) ~wetness (slightly limited) ~too clayey (slightly limited)	0.70 0.28 0.27
Urban land-----	Not rated		Not rated		Not rated		Not rated		Not rated	
93: Verdigris-----	Very limited ~flooding (very limited) ~percs slowly (slightly limited)	1.00 0.25	Very limited ~flooding (very limited) ~seepage (moderately limited)	1.00 0.50	Very limited ~flooding (very limited)	1.00	Very limited ~flooding (very limited)	1.00	Not limited	
AED: Arents, earthen dam-----	Not rated		Not rated		Not rated		Not rated		Not rated	

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Map symbol and soil name	Septic tank absorption field		Sewage lagoons		Sanitary landfill (trench)		Sanitary landfill (area)		Daily cover for landfill	
	Rating class and limiting features	Value								
M-W: Water-----	Not Rated									
	Not Rated				Not Rated		Not Rated		Not Rated	
	Not Rated				Not Rated		Not Rated		Not Rated	
W: Water-----	Not Rated									
	Not Rated				Not Rated		Not Rated		Not Rated	
	Not Rated				Not Rated		Not Rated		Not Rated	