

Cass County, Missouri: Detailed Soil Map Legend

Forest Management

(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	Erosion on roads and trails		Off-road or off-trail erosion		Soil rutting		Log landings		Seedling survival	
	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----	Limited ~slope/erodibility (limited)	0.78	Slightly limited ~slope/erodibility (slightly limited)	0.17	Limited ~low strength (limited) ~seasonal wetness (slightly limited)	0.80 0.15	Moderately limited ~low strength (moderately limited) ~slope (slightly limited) ~seasonal wetness (slightly limited)	0.50 0.15 0.15	Not limited	
5B: Macksburg-----	Moderately limited ~slope/erodibility (moderately limited)	0.44	Slightly limited ~slope/erodibility (slightly limited)	0.08	Limited ~low strength (limited)	0.80	Moderately limited ~low strength (moderately limited)	0.50	Not limited	
6B: Sharpsburg-----	Moderately limited ~slope/erodibility (moderately limited)	0.44	Slightly limited ~slope/erodibility (slightly limited)	0.08	Limited ~low strength (limited)	0.80	Moderately limited ~stickiness (surface) (moderately limited) ~low strength (moderately limited)	0.50 0.50	Very limited ~seasonal wetness (very limited)	1.00
7B: Deepwater-----	Moderately limited ~slope/erodibility (moderately limited)	0.44	Slightly limited ~slope/erodibility (slightly limited)	0.08	Limited ~low strength (limited)	0.80	Moderately limited ~low strength (moderately limited)	0.50	Not limited	
7C: Deepwater-----	Limited ~slope/erodibility (limited)	0.78	Slightly limited ~slope/erodibility (slightly limited)	0.14	Limited ~low strength (limited)	0.80	Moderately limited ~low strength (moderately limited) ~slope (slightly limited)	0.50 0.15	Not limited	
8: Pits-----	Not rated		Not rated		Not rated		Not rated		Not rated	

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Map symbol and soil name	Erosion on roads and trails		Off-road or off-trail erosion		Soil rutting		Log landings		Seedling survival	
	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
9D: Snead-----	Very limited ~slope/erodibility (very limited)	1.00	Slightly limited ~slope/erodibility (slightly limited)	0.20	Limited ~low strength (limited) ~seasonal wetness (slightly limited)	0.80 0.10	Moderately limited ~slope (moderately limited) ~low strength (moderately limited) ~stickiness (surface) (moderately limited)	0.60 0.50 0.50	Not limited	
10D: Snead-----	Limited ~slope/erodibility (limited)	0.62	Slightly limited ~slope/erodibility (slightly limited)	0.20	Slightly limited ~seasonal wetness (slightly limited)	0.10	Moderately limited ~slope (moderately limited) ~stickiness (surface) (moderately limited) ~seasonal wetness (slightly limited)	0.60 0.50 0.10	Not limited	
Rock outcrop---	Not rated		Not rated		Not rated		Not rated		Not rated	
10F: Snead-----	Very limited ~slope/erodibility (very limited)	1.00	Moderately limited ~slope/erodibility (moderately limited)	0.33	Limited ~low strength (limited) ~seasonal wetness (slightly limited)	0.80 0.10	Very limited ~slope (very limited) ~stickiness (surface) (moderately limited) ~low strength (moderately limited)	1.00 0.50 0.50	Not limited	
Rock outcrop---	Not rated		Not rated		Not rated		Not rated		Not rated	

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Map symbol and soil name	Erosion on roads and trails		Off-road or off-trail erosion		Soil rutting		Log landings		Seedling survival	
	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
11C: Greenton-----	Limited ~slope/erodibility (limited)	0.78	Slightly limited ~slope/erodibility (slightly limited)	0.17	Limited ~low strength (limited) ~seasonal wetness (slightly limited)	0.80 0.29	Moderately limited ~low strength (moderately limited) ~stickiness (surface) (moderately limited) ~seasonal wetness (slightly limited)	0.50 0.50 0.29	Not limited	
13B: Sampsel-----	Moderately limited ~slope/erodibility (moderately limited)	0.44	Slightly limited ~slope/erodibility (slightly limited)	0.10	Limited ~low strength (limited) ~seasonal wetness (limited)	0.80 0.76	Limited ~seasonal wetness (limited) ~low strength (moderately limited) ~stickiness (surface) (moderately limited)	0.76 0.50 0.50	Limited ~seasonal wetness (limited)	0.76
13C: Sampsel-----	Limited ~slope/erodibility (limited)	0.78	Slightly limited ~slope/erodibility (slightly limited)	0.17	Limited ~low strength (limited) ~seasonal wetness (limited)	0.80 0.76	Limited ~seasonal wetness (limited) ~low strength (moderately limited) ~stickiness (surface) (moderately limited)	0.76 0.50 0.50	Limited ~seasonal wetness (limited)	0.76
14B: Barco-----	Moderately limited ~slope/erodibility (moderately limited)	0.44	Slightly limited ~slope/erodibility (slightly limited)	0.08	Limited ~low strength (limited)	0.80	Moderately limited ~low strength (moderately limited)	0.50	Very limited ~seasonal wetness (very limited)	1.00
17B: Polo-----	Moderately limited ~slope/erodibility (moderately limited)	0.44	Slightly limited ~slope/erodibility (slightly limited)	0.08	Limited ~low strength (limited)	0.80	Moderately limited ~low strength (moderately limited)	0.50	Very limited ~seasonal wetness (very limited)	1.00

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Map symbol and soil name	Erosion on roads and trails		Off-road or off-trail erosion		Soil rutting		Log landings		Seedling survival	
	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
17C: Polo-----	Limited ~slope/erodibility (limited)	0.78	Slightly limited ~slope/erodibility (slightly limited)	0.14	Limited ~low strength (limited)	0.80	Moderately limited ~low strength (moderately limited) ~slope (slightly limited)	0.50 0.15	Very limited ~seasonal wetness (very limited)	1.00
18B: Summit-----	Slightly limited ~slope/erodibility (slightly limited)	0.22	Slightly limited ~slope/erodibility (slightly limited)	0.05	Limited ~low strength (limited) ~seasonal wetness (slightly limited)	0.80 0.10	Moderately limited ~low strength (moderately limited) ~stickiness (surface) (moderately limited) ~seasonal wetness (slightly limited)	0.50 0.50 0.10	Not limited	
18C: Summit-----	Moderately limited ~slope/erodibility (moderately limited)	0.44	Slightly limited ~slope/erodibility (slightly limited)	0.10	Limited ~low strength (limited) ~seasonal wetness (slightly limited)	0.80 0.10	Moderately limited ~low strength (moderately limited) ~stickiness (surface) (moderately limited) ~seasonal wetness (slightly limited)	0.50 0.50 0.10	Not limited	
19B: Weller-----	Moderately limited ~slope/erodibility (moderately limited)	0.44	Slightly limited ~slope/erodibility (slightly limited)	0.10	Limited ~low strength (limited)	0.80	Moderately limited ~low strength (moderately limited)	0.50	Not limited	
19C2: Weller-----	Limited ~slope/erodibility (limited)	0.78	Slightly limited ~slope/erodibility (slightly limited)	0.17	Limited ~low strength (limited)	0.80	Moderately limited ~low strength (moderately limited) ~slope (slightly limited)	0.50 0.15	Not limited	

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Map symbol and soil name	Erosion on roads and trails		Off-road or off-trail erosion		Soil rutting		Log landings		Seedling survival	
	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
22C: Oska-----	Limited ~slope/erodibility (limited)	0.67	Slightly limited ~slope/erodibility (slightly limited)	0.15	Limited ~low strength (limited)	0.80	Moderately limited ~low strength (moderately limited)	0.50	Very limited ~seasonal wetness (very limited)	1.00
28D: Coweta-----	Very limited ~slope/erodibility (very limited)	1.00	Slightly limited ~slope/erodibility (slightly limited)	0.20	Limited ~low strength (limited)	0.80	Moderately limited ~slope (moderately limited) ~low strength (moderately limited)	0.60 0.50	Very limited ~seasonal wetness (very limited)	1.00
29D: Norris-----	Very limited ~slope/erodibility (very limited)	1.00	Slightly limited ~slope/erodibility (slightly limited)	0.20	Limited ~low strength (limited)	0.80	Moderately limited ~slope (moderately limited) ~low strength (moderately limited)	0.60 0.50	Very limited ~seasonal wetness (very limited)	1.00
32: Freeburg-----	Slightly limited ~slope/erodibility (slightly limited)	0.11	Slightly limited ~slope/erodibility (slightly limited)	0.02	Limited ~low strength (limited) ~seasonal wetness (slightly limited)	0.80 0.20	Moderately limited ~flooding (moderately limited) ~low strength (moderately limited) ~seasonal wetness (slightly limited)	0.60 0.50 0.20	Moderately limited ~flooding (moderately limited)	0.60
33: Zook-----	Slightly limited ~slope/erodibility (slightly limited)	0.11	Slightly limited ~slope/erodibility (slightly limited)	0.02	Limited ~low strength (limited) ~seasonal wetness (slightly limited)	0.80 0.20	Moderately limited ~flooding (moderately limited) ~stickiness (surface) (moderately limited) ~low strength (moderately limited)	0.60 0.50 0.50	Moderately limited ~flooding (moderately limited)	0.60

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Map symbol and soil name	Erosion on roads and trails		Off-road or off-trail erosion		Soil rutting		Log landings		Seedling survival	
	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
34: Blackoar-----	Slightly limited ~slope/erodibility (slightly limited)	0.11	Slightly limited ~slope/erodibility (slightly limited)	0.02	Limited ~seasonal wetness (limited) ~low strength (limited)	0.91	Limited ~seasonal wetness (limited) ~flooding (moderately limited) ~low strength (moderately limited)	0.91	Limited ~seasonal wetness (limited) ~flooding (moderately limited)	0.91
36: Bremer-----	Slightly limited ~slope/erodibility (slightly limited)	0.11	Slightly limited ~slope/erodibility (slightly limited)	0.02	Limited ~low strength (limited) ~seasonal wetness (slightly limited)	0.80	Limited ~stickiness (surface) (limited) ~low strength (moderately limited) ~seasonal wetness (slightly limited)	0.75	Not limited	
37: Moniteau-----	Slightly limited ~slope/erodibility (slightly limited)	0.11	Slightly limited ~slope/erodibility (slightly limited)	0.02	Limited ~low strength (limited) ~seasonal wetness (moderately limited)	0.80	Moderately limited ~seasonal wetness (moderately limited) ~flooding (moderately limited) ~low strength (moderately limited)	0.60	Moderately limited ~flooding (moderately limited) ~seasonal wetness (moderately limited)	0.60
40: Haig-----	Slightly limited ~slope/erodibility (slightly limited)	0.11	Slightly limited ~slope/erodibility (slightly limited)	0.02	Limited ~low strength (limited) ~seasonal wetness (slightly limited)	0.80	Moderately limited ~low strength (moderately limited) ~stickiness (surface) (moderately limited) ~seasonal wetness (slightly limited)	0.50	Not limited	

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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
47C: Mandeville-----	Limited ~slope/erodibility (limited)	0.78	Slightly limited ~slope/erodibility (slightly limited)	0.17	Limited ~low strength (limited)	0.80	Moderately limited ~low strength (moderately limited) ~slope (slightly limited)	0.50 0.15	Very limited ~seasonal wetness (very limited)	1.00
49D: Eram-----	Very limited ~slope/erodibility (very limited)	1.00	Slightly limited ~slope/erodibility (slightly limited)	0.24	Limited ~low strength (limited) ~seasonal wetness (slightly limited)	0.80 0.10	Moderately limited ~slope (moderately limited) ~low strength (moderately limited) ~seasonal wetness (slightly limited)	0.60 0.50 0.10	Not limited	
51B: Kenoma-----	Moderately limited ~slope/erodibility (moderately limited)	0.33	Slightly limited ~slope/erodibility (slightly limited)	0.07	Limited ~low strength (limited)	0.80	Moderately limited ~low strength (moderately limited)	0.50	Very limited ~seasonal wetness (very limited)	1.00
51C: Kenoma-----	Limited ~slope/erodibility (limited)	0.67	Slightly limited ~slope/erodibility (slightly limited)	0.15	Limited ~low strength (limited)	0.80	Moderately limited ~low strength (moderately limited)	0.50	Very limited ~seasonal wetness (very limited)	1.00
52C: Nowata-----	Moderately limited ~slope/erodibility (moderately limited)	0.38	Slightly limited ~slope/erodibility (slightly limited)	0.15	Limited ~low strength (limited)	0.80	Moderately limited ~low strength (moderately limited)	0.50	Very limited ~seasonal wetness (very limited)	1.00
62B: Macksburg-----	Moderately limited ~slope/erodibility (moderately limited)	0.44	Slightly limited ~slope/erodibility (slightly limited)	0.08	Limited ~low strength (limited)	0.80	Moderately limited ~low strength (moderately limited)	0.50	Not limited	
Urban land-----	Not rated		Not rated		Not rated		Not rated		Not rated	

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Map symbol and soil name	Erosion on roads and trails		Off-road or off-trail erosion		Soil rutting		Log landings		Seedling survival	
	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
93: Verdigris-----	Slightly limited ~slope/erodibility (slightly limited)	0.11	Slightly limited ~slope/erodibility (slightly limited)	0.02	Limited ~low strength (limited)	0.80	Moderately limited ~flooding (moderately limited) ~low strength (moderately limited)	0.60 0.50	Very limited ~seasonal wetness (very limited) ~flooding (moderately limited)	1.00 0.60
AED: Arents, earthen dam-----	Not rated		Not rated		Not rated		Not rated		Not rated	
M-W: Water-----	Not limited		Not limited		Not limited		Not Rated Not Rated		Not Rated Not Rated ~seasonal wetness (very limited)	1.00
W: Water-----	Not limited		Not limited		Not limited		Not Rated Not Rated		Not Rated Not Rated ~seasonal wetness (very limited)	1.00