

Building Site Development

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Kossuth County, Iowa

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
6: Okoboji-----	95	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
28: Dickman-----	95	Not limited		Very limited cutbanks cave	0.90	Somewhat limited Droughty	0.05
28B: Dickman-----	100	Not limited		Very limited cutbanks cave	0.90	Somewhat limited Droughty	0.05
28C2: Dickman-----	100	Not limited		Very limited cutbanks cave	0.90	Somewhat limited Droughty	0.05
34: Estherville-----	85	Not limited		Very limited cutbanks cave	0.90	Somewhat limited Droughty	0.02
34B: Estherville-----	95	Not limited		Very limited cutbanks cave	0.90	Somewhat limited Droughty	0.02
34C2: Estherville-----	90	Somewhat limited Slope	0.16	Very limited cutbanks cave Slope	0.90 0.16	Somewhat limited Slope Droughty	0.16 0.02
52B: Bode-----	95	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Not limited		Not limited	
54: Zook-----	100	Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell	1.00 1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Flooding Too clayey	1.00 0.60 0.01	Very limited Depth to saturated zone Flooding	1.00 0.60

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55: Nicollet-----	95	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.73	Not limited	
		Low strength Shrink-swell	1.00 0.50				
62C2: Storden-----	90	Somewhat limited Frost action	0.50	Not limited		Not limited	
62D2: Storden-----	90	Somewhat limited Slope Frost action	0.63 0.50	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
62E2: Storden-----	85	Very limited Slope Frost action	1.00 0.50	Very limited Slope	1.00	Very limited Slope	1.00
62F: Storden-----	90	Very limited Slope Frost action	1.00 0.50	Very limited Slope	1.00	Very limited Slope	1.00
62G: Storden-----	90	Very limited Slope Frost action	1.00 0.50	Very limited Slope	1.00	Very limited Slope	1.00
73C2: Salida-----	100	Not limited		Very limited cutbanks cave	0.90	Very limited Droughty Gravel content	1.00 0.12
73E2: Salida-----	100	Very limited Slope	1.00	Very limited Slope cutbanks cave	1.00 0.90	Very limited Droughty Slope Gravel content	1.00 1.00 0.12

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
90: Okoboji-----	95	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
95: Harps-----	95	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 0.50	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
107: Webster-----	95	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 0.50	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
108: Wadena-----	95	Not limited		Not limited		Not limited	
108B: Wadena-----	95	Not limited		Not limited		Not limited	
133: Colo-----	100	Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell	1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Flooding	1.00 0.60	Very limited Depth to saturated zone Flooding	1.00 0.60
133B: Colo-----	95	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 0.50	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
135: Coland-----	95	Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell	1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Flooding	1.00 0.60	Very limited Depth to saturated zone Flooding	1.00 0.60
138B: Clarion-----	85	Somewhat limited Frost action	0.50	Not limited		Not limited	
138C: Clarion-----	100	Somewhat limited Frost action	0.50	Not limited		Not limited	
138C2: Clarion-----	85	Somewhat limited Frost action	0.50	Not limited		Not limited	
138D2: Clarion-----	85	Somewhat limited Slope Frost action	0.63 0.50	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
150: Hanska-----	95	Very limited Depth to saturated zone Frost action	1.00 1.00	Very limited Depth to saturated zone cutbanks cave	1.00 0.90	Very limited Depth to saturated zone	1.00
181B: Clarion-----	60	Somewhat limited Frost action	0.50	Not limited		Not limited	
Estherville-----	35	Not limited		Very limited cutbanks cave	0.90	Somewhat limited Droughty	0.02
181C2: Clarion-----	60	Somewhat limited Frost action	0.50	Not limited		Not limited	
Estherville-----	30	Not limited		Very limited cutbanks cave	0.90	Somewhat limited Droughty	0.02

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
203: Cylinder-----	95	Very limited Frost action	1.00	Very limited Depth to saturated zone	0.95	Not limited	
		Shrink-swell Low strength	0.50 0.22	cutbanks cave	0.90		
221: Palms-----	100	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Subsidence	1.00	Content of organic matter	1.00	Content of organic matter	1.00
		Frost action	1.00				
224: Linder-----	95	Very limited Frost action	1.00	Very limited Depth to saturated zone	0.95	Not limited	
				cutbanks cave	0.90		
236B: Lester-----	90	Very limited Low strength	1.00	Not limited		Not limited	
		Shrink-swell Frost action	0.50 0.50				
236C: Lester-----	90	Very limited Low strength	1.00	Not limited		Not limited	
		Shrink-swell Frost action	0.50 0.50				
236F: Lester-----	95	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
		Low strength Shrink-swell Frost action	1.00 0.50 0.50				
259: Biscay-----	95	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action Low strength Shrink-swell	1.00 0.78 0.50				

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
274: Rolfe-----	100	Very limited Depth to saturated zone Frost action Low strength	1.00 1.00 1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
288: Ottosen-----	95	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Very limited Depth to saturated zone	0.95	Not limited	
308: Wadena-----	100	Not limited		Not limited		Not limited	
308B: Wadena-----	90	Not limited		Not limited		Not limited	
325: Le Sueur-----	95	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Very limited Depth to saturated zone	0.95	Not limited	
330: Kingston-----	95	Very limited Frost action Low strength	1.00 1.00	Somewhat limited Depth to saturated zone	0.73	Not limited	
335: Harcot-----	95	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 0.78 0.50	Very limited Depth to saturated zone cutbanks cave	1.00 0.90	Very limited Depth to saturated zone	1.00
339B: Truman-----	90	Very limited Frost action Low strength	1.00 1.00	Not limited		Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
348: Fieldon-----	95	Very limited Depth to saturated zone Frost action	1.00 1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
349: Darfur-----	100	Very limited Depth to saturated zone Frost action	1.00 1.00	Very limited Depth to saturated zone cutbanks cave	1.00 0.90	Very limited Depth to saturated zone	1.00
354: Aquolls-----	100	Very limited Not Rated (miscellaneous unit) Depth to saturated zone Slope	1.00 1.00 1.00	Very limited Slope Depth to saturated zone Not Rated (miscellaneous unit)	1.00 1.00 1.00	Very limited Slope Depth to saturated zone Not Rated (miscellaneous unit)	1.00 1.00 1.00
388: Kossuth-----	95	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
389: Waldorf-----	95	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Too clayey	1.00 0.28	Very limited Depth to saturated zone Too clayey	1.00 1.00
485: Spillville-----	95	Very limited Flooding Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Somewhat limited Depth to saturated zone Flooding	0.61 0.60	Somewhat limited Flooding	0.60

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
485B: Spillville-----	95	Very limited Low strength	1.00	Somewhat limited Depth to saturated zone	0.61	Not limited	
		Shrink-swell Frost action	0.50 0.50				
506: Wacousta-----	95	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action Low strength Shrink-swell	1.00 1.00 0.50				
507: Canisteo-----	95	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action Low strength Shrink-swell	1.00 1.00 0.50				
511: Blue Earth-----	100	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action Low strength Shrink-swell	1.00 1.00 0.50				
559: Talcot-----	100	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action Low strength Shrink-swell	1.00 1.00 0.50				
585B: Colo-----	55	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action Flooding Low strength Shrink-swell	1.00 1.00 1.00 0.50	Flooding	0.60	Flooding	0.60

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Spillville-----	40	Very limited Low strength	1.00	Somewhat limited Depth to saturated zone	0.61	Not limited	
638B: Clarion-----	55	Shrink-swell Frost action	0.50 0.50	Not limited		Not limited	
Storden-----	40	Somewhat limited Frost action	0.50	Not limited		Not limited	
639C2: Storden-----	50	Somewhat limited Frost action	0.50	Not limited		Not limited	
Salida-----	35	Not limited		Very limited cutbanks cave	0.90	Very limited Droughty Gravel content	1.00 0.12
639D2: Storden-----	50	Somewhat limited Slope Frost action	0.63 0.50	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
Salida-----	35	Somewhat limited Slope	0.63	Very limited cutbanks cave Slope	0.90 0.63	Very limited Droughty Slope Gravel content	1.00 0.63 0.12
654: Corwith-----	95	Very limited Frost action	1.00	Very limited Depth to saturated zone	0.95	Not limited	
655: Crippin-----	95	Very limited Frost action Low strength	1.00 1.00	Very limited Depth to saturated zone	0.95	Not limited	

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658: Mayer-----	95	Very limited Depth to saturated zone Frost action Low strength	1.00 1.00 0.78	Very limited Depth to saturated zone cutbanks cave	1.00 0.90	Very limited Depth to saturated zone	1.00
733: Calco-----	100	Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell	1.00 1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Flooding	1.00 0.60	Very limited Depth to saturated zone Flooding	1.00 0.60
823: Ridgeport-----	100	Not limited		Very limited cutbanks cave	0.90	Somewhat limited Droughty	0.38
823B: Ridgeport-----	95	Not limited		Very limited cutbanks cave	0.90	Somewhat limited Droughty	0.38
823C2: Ridgeport-----	95	Not limited		Very limited cutbanks cave	0.90	Somewhat limited Droughty	0.38
879: Fostoria-----	95	Very limited Frost action Low strength	1.00 1.00	Very limited Depth to saturated zone	0.95	Not limited	
895: Lemond-----	95	Very limited Depth to saturated zone Frost action	1.00 1.00	Very limited Depth to saturated zone cutbanks cave	1.00 0.90	Very limited Depth to saturated zone	1.00
1032: Spicer-----	95	Very limited Depth to saturated zone Frost action Low strength	1.00 1.00 1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00

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1133: Colo-----	95	Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell	1.00 1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Flooding	1.00 1.00 0.80	Very limited Flooding Depth to saturated zone	1.00 1.00 1.00
1135: Coland-----	95	Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell	1.00 1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Flooding	1.00 1.00 0.80	Very limited Flooding Depth to saturated zone	1.00 1.00 1.00
1485: Spillville-----	90	Very limited Flooding Low strength Shrink-swell Frost action	1.00 1.00 1.00 0.50 0.50	Somewhat limited Flooding Depth to saturated zone	0.80 0.61	Very limited Flooding	1.00
1595: Harpster-----	95	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
5010: Pits-----	100	Not rated		Not rated		Not rated	
5040: Orthents-----	100	Not rated		Not rated		Not rated	

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W: Water-----	100	Not rated		Not rated		Not rated	