

Sanitary Facilities - Part 1.

Hardin County, Iowa

Map symbol and soil name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Rating class and limiting features	Value	Rating class and limiting features	Value
6: Okoboji-----	95	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Restricted permeability	0.91	Seepage	0.50
7: Wiota-----	100	Not limited restricted permeability	0.25	Somewhat limited Seepage	0.50
7B: Wiota-----	100	Not limited restricted permeability	0.25	Somewhat limited Seepage	0.50
				Slope	0.33
8B: Judson-----	100	Not limited restricted permeability	0.25	Somewhat limited Seepage	0.50
				Slope	0.33
11B: Colo-----	60	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Flooding Depth to saturated zone	1.00 1.00
		restricted permeability	0.25	Seepage	0.50
				Slope	0.33
Ely-----	30	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		restricted permeability	0.25	Seepage	0.50
				Slope	0.33
20C2: Killduff-----	100	Not limited restricted permeability	0.25	Very limited Slope	1.00
				Seepage	0.50

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		Rating class and limiting features	Value	Rating class and limiting features	Value
20D3: Killduff-----	100	Somewhat limited Slope restricted permeability	0.63 0.25	Very limited Slope Seepage	1.00 0.50
20E3: Killduff-----	100	Very limited Slope restricted permeability	1.00 0.25	Very limited Slope Seepage	1.00 0.50
27B: Terril-----	100	Somewhat limited Depth to saturated zone restricted permeability	0.43 0.25	Somewhat limited Seepage Slope	0.50 0.33
55: Nicollet-----	95	Very limited Depth to saturated zone restricted permeability	1.00 0.25	Very limited Depth to saturated zone Seepage Slope	0.92 0.50 0.01
62C2: Storden-----	95	Not limited restricted permeability	0.25	Very limited Slope Seepage	1.00 0.50
62D2: Storden-----	95	Somewhat limited Slope restricted permeability	0.63 0.25	Very limited Slope Seepage	1.00 0.50
62E2: Storden-----	95	Very limited Slope restricted permeability	1.00 0.25	Very limited Slope Seepage	1.00 0.50

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		Rating class and limiting features	Value	Rating class and limiting features	Value
62G2: Storden-----	100	Very limited Slope restricted permeability	1.00 0.25	Very limited Slope Seepage	1.00 0.50
73C: Salida-----	90	Very limited Filtering capacity	1.00	Very limited Seepage Slope	1.00 1.00
73E: Salida-----	95	Very limited Filtering capacity Slope	1.00 0.96	Very limited Slope Seepage	1.00 1.00
83C2: Kenyon-----	100	Somewhat limited Depth to saturated zone restricted permeability	0.43 0.25	Very limited Slope Seepage	1.00 0.50
83E2: Kenyon-----	100	Very limited Slope Depth to saturated zone restricted permeability	0.96 0.43 0.25	Very limited Slope Seepage	1.00 0.50
90: Okoboji-----	95	Very limited Depth to saturated zone Restricted permeability	1.00 0.91	Very limited Depth to saturated zone Seepage	1.00 0.50

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		Rating class and limiting features	Value	Rating class and limiting features	Value
95: Harps-----	95	Very limited Depth to saturated zone restricted permeability	1.00  0.25	Very limited Depth to saturated zone Seepage Slope	1.00  0.50 0.01
96: Turlin-----	95	Very limited Filtering capacity Depth to saturated zone Flooding restricted permeability	1.00  1.00 0.40 0.25	Very limited Seepage Depth to saturated zone Flooding	1.00  0.71 0.40
107: Webster-----	95	Very limited Depth to saturated zone restricted permeability	1.00  0.25	Very limited Depth to saturated zone Seepage	1.00  0.50
118: Garwin-----	100	Very limited Depth to saturated zone restricted permeability	1.00  0.25	Very limited Depth to saturated zone Seepage	1.00  0.50
119: Muscatine-----	95	Very limited Depth to saturated zone restricted permeability	1.00  0.25	Very limited Depth to saturated zone Seepage	1.00  0.50
119B: Muscatine-----	95	Very limited Depth to saturated zone restricted permeability	1.00  0.25	Very limited Depth to saturated zone Seepage Slope	1.00  0.50 0.33

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		Rating class and limiting features	Value	Rating class and limiting features	Value
120B: Tama-----	95	Not limited restricted permeability	0.25	Somewhat limited Seepage	0.50
				Slope	0.33
120C: Tama-----	95	Not limited restricted permeability	0.25	Very limited Slope	1.00
				Seepage	0.50
120C2: Tama-----	95	Not limited restricted permeability	0.25	Very limited Slope	1.00
				Seepage	0.50
120D2: Tama-----	100	Somewhat limited Slope restricted permeability	0.63 0.25	Very limited Slope	1.00
				Seepage	0.50
122: Sperry-----	100	Very limited Depth to saturated zone Restricted permeability	1.00 0.99	Very limited Depth to saturated zone	1.00
				Seepage	0.50
133: Colo-----	95	Very limited Flooding Depth to saturated zone restricted permeability	1.00 1.00 0.25	Very limited Flooding	1.00
				Depth to saturated zone	1.00
				Seepage	0.50
135: Coland-----	95	Very limited Flooding Depth to saturated zone restricted permeability	1.00 1.00 0.25	Very limited Flooding	1.00
				Depth to saturated zone	1.00
				Seepage	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
138B: Clarion-----	100	Not limited restricted permeability	0.25	Somewhat limited Seepage	0.50
				Slope	0.33
138C2: Clarion-----	95	Not limited restricted permeability	0.25	Very limited Slope	1.00
				Seepage	0.50
138D2: Clarion-----	95	Somewhat limited Slope restricted permeability	0.63 0.25	Very limited Slope	1.00
				Seepage	0.50
152: Marshan-----	95	Very limited Depth to saturated zone Filtering capacity restricted permeability	1.00 1.00 0.25	Very limited Seepage	1.00
				Depth to saturated zone	1.00
162B: Downs-----	100	Somewhat limited restricted permeability	0.35	Somewhat limited Seepage	0.50
				Slope	0.33
162C2: Downs-----	100	Somewhat limited restricted permeability	0.35	Very limited Slope	1.00
				Seepage	0.50
162D2: Downs-----	100	Somewhat limited Slope restricted permeability	0.63 0.35	Very limited Slope	1.00
				Seepage	0.50

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		Rating class and limiting features	Value	Rating class and limiting features	Value
163B: Fayette-----	100	Somewhat limited restricted permeability	0.35	Somewhat limited Seepage	0.50
				Slope	0.33
163C: Fayette-----	100	Somewhat limited restricted permeability	0.35	Very limited Slope	1.00
				Seepage	0.50
163D: Fayette-----	100	Somewhat limited Slope restricted permeability	0.63 0.35	Very limited Slope	1.00
				Seepage	0.50
168B: Hayden-----	95	Somewhat limited restricted permeability	0.35	Somewhat limited Seepage	0.50
				Slope	0.33
168C: Hayden-----	95	Somewhat limited restricted permeability	0.35	Very limited Slope	1.00
				Seepage	0.50
168G: Hayden-----	95	Very limited Slope restricted permeability	1.00 0.35	Very limited Slope	1.00
				Seepage	0.50
177: Saude-----	95	Very limited Filtering capacity	1.00	Very limited Seepage	1.00
177B: Saude-----	95	Very limited Filtering capacity	1.00	Very limited Seepage	1.00
				Slope	0.33

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Map symbol and soil name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Rating class and limiting features	Value	Rating class and limiting features	Value
177C: Saude-----	95	Very limited Filtering capacity	1.00	Very limited Seepage	1.00
				Slope	1.00
178: Waukee-----	100	Very limited Filtering capacity restricted permeability	1.00 0.25	Very limited Seepage	1.00
178B: Waukee-----	100	Very limited Filtering capacity restricted permeability	1.00 0.25	Very limited Seepage	1.00
				Slope	0.33
184: Klinger-----	95	Very limited Depth to saturated zone restricted permeability	1.00 0.25	Very limited Depth to saturated zone Seepage	1.00 0.50
184B: Klinger-----	95	Very limited Depth to saturated zone restricted permeability	1.00 0.25	Very limited Depth to saturated zone Seepage	1.00 0.50
				Slope	0.33
188: Kensett-----	95	Very limited Depth to bedrock	1.00	Very limited Depth to hard bedrock	1.00
		Depth to saturated zone	1.00	Seepage	1.00
		Filtering capacity restricted permeability	1.00 0.25	Depth to saturated zone	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
201B: Coland-----	50	Very limited Flooding Depth to saturated zone restricted permeability	1.00 1.00 0.25	Very limited Flooding Depth to saturated zone Seepage Slope	1.00 1.00 1.00 0.33
Terril-----	35	Somewhat limited Depth to saturated zone restricted permeability	0.43 0.25	Somewhat limited Seepage Slope	0.50 0.33
212: Kennebec-----	95	Very limited Flooding Depth to saturated zone restricted permeability	1.00 1.00 0.25	Very limited Flooding Depth to saturated zone Seepage	1.00 0.71 0.50
221: Palms-----	100	Very limited Depth to saturated zone Subsidence	1.00 1.00	Very limited Content of organic matter Depth to saturated zone Seepage	1.00 1.00 1.00
225: Lawler-----	95	Very limited Filtering capacity Depth to saturated zone restricted permeability	1.00 1.00 0.25	Very limited Seepage Depth to saturated zone	1.00 1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
226: Lawler-----	95	Very limited Filtering capacity	1.00	Very limited Seepage	1.00
		Depth to saturated zone restricted permeability	1.00 0.25	Depth to saturated zone	1.00
236B: Lester-----	95	Somewhat limited restricted permeability	0.35	Somewhat limited Seepage	0.50
				Slope	0.33
236C: Lester-----	100	Somewhat limited restricted permeability	0.35	Very limited Slope	1.00
				Seepage	0.50
236C2: Lester-----	95	Somewhat limited restricted permeability	0.35	Very limited Slope	1.00
				Seepage	0.50
236D2: Lester-----	95	Somewhat limited Slope restricted permeability	0.63 0.35	Very limited Slope Seepage	1.00 0.50
236F: Lester-----	95	Very limited Slope restricted permeability	1.00 0.35	Very limited Slope Seepage	1.00 0.50
284: Flagler-----	100	Very limited Filtering capacity	1.00	Very limited Seepage	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
284B: Flagler-----	100	Very limited Filtering capacity	1.00	Very limited Seepage	1.00
				Slope	0.33
284C2: Flagler-----	100	Very limited Filtering capacity	1.00	Very limited Seepage	1.00
				Slope	1.00
291: Atterberry-----	95	Very limited Depth to saturated zone restricted permeability	1.00 0.35	Very limited Depth to saturated zone Seepage	1.00 0.50
				Slope	0.01
325: Le Sueur-----	95	Very limited Depth to saturated zone restricted permeability	1.00 0.25	Very limited Depth to saturated zone Seepage	1.00 0.50
329: Webster-----	50	Very limited Depth to saturated zone restricted permeability	1.00 0.25	Very limited Depth to saturated zone Seepage	1.00 0.50
				Slope	0.01
Nicollet-----	30	Very limited Depth to saturated zone restricted permeability	1.00 0.25	Very limited Depth to saturated zone Seepage	0.92 0.50
				Slope	0.01

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		Rating class and limiting features	Value	Rating class and limiting features	Value
335: Harcot-----	100	Very limited Depth to saturated zone	1.00	Very limited Seepage	1.00
		Filtering capacity restricted permeability	1.00 0.25	Depth to saturated zone	1.00
377B: Dinsdale-----	100	Somewhat limited Depth to saturated zone restricted permeability	0.43 0.25	Somewhat limited Seepage Slope	0.50 0.33
377C2: Dinsdale-----	100	Somewhat limited Depth to saturated zone restricted permeability	0.43 0.25	Very limited Slope Seepage	1.00 0.50
377D2: Dinsdale-----	100	Somewhat limited Slope Depth to saturated zone restricted permeability	0.63 0.43 0.25	Very limited Slope Seepage	1.00 0.50
382: Maxfield-----	100	Very limited Depth to saturated zone restricted permeability	1.00 0.25	Very limited Depth to saturated zone Seepage	1.00 0.50
393C: Sparta-----	95	Very limited Filtering capacity restricted permeability	1.00 0.25	Very limited Seepage Slope	1.00 0.91

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		Rating class and limiting features	Value	Rating class and limiting features	Value
393D: Sparta-----	95	Very limited Filtering capacity	1.00	Very limited Slope	1.00
		Slope restricted permeability	0.63 0.25	Seepage	1.00
409B: Dickinson-----	100	Very limited Filtering capacity	1.00	Very limited Seepage	1.00
		restricted permeability	0.25	Slope	0.33
409C: Dickinson-----	100	Very limited Filtering capacity	1.00	Very limited Seepage	1.00
		restricted permeability	0.25	Slope	1.00
415G: Montieth-----	100	Very limited Depth to bedrock	1.00	Very limited Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
		Filtering capacity	1.00	Seepage	1.00
428B: Ely-----	95	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		restricted permeability	0.25	Seepage	0.50
				Slope	0.33
457: Du Page-----	95	Very limited Flooding	1.00	Very limited Flooding	1.00
		Depth to saturated zone	0.40	Seepage	1.00
		restricted permeability	0.25		

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		Rating class and limiting features	Value	Rating class and limiting features	Value
485: Spillville-----	95	Very limited Flooding	1.00	Very limited Flooding	1.00
		Depth to saturated zone	1.00	Seepage	1.00
		restricted permeability	0.25	Depth to saturated zone	0.71
491G: Renova-----	100	Very limited Slope	1.00	Very limited Slope	1.00
		restricted permeability	0.35	Seepage	0.50
506: Wacousta-----	95	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		restricted permeability	0.25	Seepage	0.50
507: Canisteo-----	95	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		restricted permeability	0.25	Seepage	0.50
536: Hanlon-----	95	Very limited Flooding	1.00	Very limited Flooding	1.00
		Depth to saturated zone	1.00	Seepage	1.00
				Depth to saturated zone	0.71
				Slope	0.01
595: Harpster-----	95	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		restricted permeability	0.25	Seepage	0.50

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		Rating class and limiting features	Value	Rating class and limiting features	Value
638C2: Clarion-----	55	Not limited restricted permeability	0.25	Very limited Slope	1.00
				Seepage	0.50
Storden-----	35	Not limited restricted permeability	0.25	Very limited Slope	1.00
				Seepage	0.50
638D2: Clarion-----	55	Somewhat limited Slope restricted permeability	0.63 0.25	Very limited Slope	1.00
				Seepage	0.50
Storden-----	35	Somewhat limited Slope restricted permeability	0.63 0.25	Very limited Slope	1.00
				Seepage	0.50
696: Tilfer-----	100	Very limited Flooding	1.00	Very limited Depth to hard bedrock	1.00
		Depth to bedrock	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Filtering capacity restricted permeability	1.00 0.25	Seepage	1.00
705C2: Downs Variant-----	90	Very limited Filtering capacity	1.00	Very limited Seepage	1.00
				Slope	1.00
705D2: Downs Variant-----	95	Very limited Filtering capacity Slope	1.00 0.63	Very limited Slope	1.00
				Seepage	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
733: Calco-----	100	Very limited Flooding Depth to saturated zone restricted permeability	1.00 1.00 0.25	Very limited Flooding Depth to saturated zone Seepage	1.00 1.00 0.50
771B: Waubeek-----	100	Somewhat limited Depth to saturated zone restricted permeability	0.43 0.35	Somewhat limited Seepage Slope	0.50 0.33
771C2: Waubeek-----	100	Somewhat limited Depth to saturated zone restricted permeability	0.43 0.35	Very limited Slope Seepage	1.00 0.50
771D2: Waubeek-----	100	Somewhat limited Slope Depth to saturated zone restricted permeability	0.63 0.43 0.35	Very limited Slope Seepage	1.00 0.50
814: Rockton-----	100	Very limited Depth to bedrock Filtering capacity restricted permeability	1.00 1.00 0.25	Very limited Depth to hard bedrock Seepage	1.00 1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
814B: Rockton-----	100	Very limited Depth to bedrock	1.00	Very limited Depth to hard bedrock	1.00
		Filtering capacity restricted permeability	1.00 0.25	Seepage Slope	1.00 0.33
814C2: Rockton-----	100	Very limited Depth to bedrock	1.00	Very limited Depth to hard bedrock	1.00
		Filtering capacity restricted permeability	1.00 0.25	Seepage Slope	1.00 1.00
828B: Zenor-----	100	Very limited Filtering capacity	1.00	Very limited Seepage Slope	1.00 0.33
828C2: Zenor-----	90	Very limited Filtering capacity	1.00	Very limited Seepage Slope	1.00 1.00
933: Sawmill-----	100	Very limited Flooding Depth to saturated zone restricted permeability	1.00 1.00 0.25	Very limited Flooding Depth to saturated zone Seepage	1.00 1.00 0.50
936: Coland-----	50	Very limited Flooding Depth to saturated zone restricted permeability	1.00 1.00 0.25	Very limited Flooding Depth to saturated zone Seepage	1.00 1.00 1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
Spillville-----	25	Very limited Flooding	1.00	Very limited Flooding	1.00
		Depth to saturated zone	1.00	Seepage	1.00
		restricted permeability	0.25	Depth to saturated zone	0.71
Hanlon-----	15	Very limited Flooding	1.00	Very limited Flooding	1.00
		Depth to saturated zone	1.00	Seepage	1.00
				Depth to saturated zone	0.71
956: Okoboji-----	45	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Restricted permeability	0.91	Seepage	0.50
Harps-----	40	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		restricted permeability	0.25	Seepage	0.50
				Slope	0.01
1936: Coland-----	50	Very limited Flooding	1.00	Very limited Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
		restricted permeability	0.25	Seepage	1.00
Spillville-----	25	Very limited Flooding	1.00	Very limited Flooding	1.00
		Depth to saturated zone	1.00	Seepage	1.00
		restricted permeability	0.25	Depth to saturated zone	0.71

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Hanlon-----	15	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Flooding Seepage  Depth to saturated zone	1.00 1.00  0.71
4000: Urban Land-----	100	Not rated		Not rated	
5010: Pits, Sand And Gravel-----	100	Not rated		Not rated	
5030: Pits, Limeston Quarry-----	100	Not rated		Not rated	
5040: Orthents-----	100	Not rated		Not rated	
W: Water-----	100	Not rated		Not rated	