

Water Management

Hardin County, Iowa

Map symbol and soil name	Pond reservoir areas		Embankments, dikes, and levees		Aquifer-fed excavated ponds	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
6: Okoboji-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Hard to pack	1.00 0.65	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
7: Wiota-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.07	Very limited Deep to water	1.00
7B: Wiota-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.07	Very limited Deep to water	1.00
8B: Judson-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.17	Very limited Deep to water	1.00
11B: Colo-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
Ely-----	Somewhat limited Seepage	0.70	Somewhat limited Depth to saturated zone Piping	0.43 0.23	Somewhat limited Slow refill Deep to water Cutbanks cave	0.30 0.25 0.10
20C2: Killduff-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.20	Very limited Deep to water	1.00
20D3: Killduff-----	Somewhat limited Seepage Slope	0.70 0.01	Somewhat limited Piping	0.20	Very limited Deep to water	1.00
20E3: Killduff-----	Somewhat limited Seepage Slope	0.70 0.04	Somewhat limited Piping	0.20	Very limited Deep to water	1.00
27B: Terril-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.74	Very limited Deep to water	1.00

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55: Nicollet-----	Somewhat limited Seepage	0.70	Somewhat limited Depth to saturated zone Piping	0.02 0.01	Somewhat limited Deep to water Slow refill Cutbanks cave	0.68 0.30 0.10
62C2: Storden-----	Somewhat limited Seepage	0.70	Very limited Piping	1.00	Very limited Deep to water	1.00
62D2: Storden-----	Somewhat limited Seepage Slope	0.70 0.01	Very limited Piping	1.00	Very limited Deep to water	1.00
62E2: Storden-----	Somewhat limited Seepage Slope	0.70 0.04	Very limited Piping	1.00	Very limited Deep to water	1.00
62G2: Storden-----	Somewhat limited Seepage Slope	0.70 0.45	Very limited Piping	1.00	Very limited Deep to water	1.00
73C: Salida-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.95	Very limited Deep to water	1.00
73E: Salida-----	Very limited Seepage Slope	1.00 0.02	Somewhat limited Seepage	0.95	Very limited Deep to water	1.00
83C2: Kenyon-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.50	Very limited Deep to water	1.00
83E2: Kenyon-----	Somewhat limited Seepage Slope	0.70 0.02	Somewhat limited Piping	0.50	Very limited Deep to water	1.00
90: Okoboji-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Hard to pack	1.00 0.68	Somewhat limited Slow refill Cutbanks cave	0.30 0.10

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95: Harps-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping	1.00 0.01	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
96: Turlin-----	Very limited Seepage	1.00	Very limited Piping Seepage	1.00 0.09	Somewhat limited Deep to water Cutbanks cave	0.81 0.10
107: Webster-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping	1.00 0.01	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
118: Garwin-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
119: Muscatine-----	Somewhat limited Seepage	0.70	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Slow refill Deep to water Cutbanks cave	0.30 0.25 0.10
119B: Muscatine-----	Somewhat limited Seepage	0.70	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Slow refill Deep to water Cutbanks cave	0.30 0.25 0.10
120B: Tama-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.01	Very limited Deep to water	1.00
120C: Tama-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.01	Very limited Deep to water	1.00
120C2: Tama-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.01	Very limited Deep to water	1.00

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120D2: Tama-----	Somewhat limited Seepage Slope	0.70 0.01	Somewhat limited Piping	0.01	Very limited Deep to water	1.00
122: Sperry-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
133: Colo-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
135: Coland-----	Very limited Seepage	1.00	Very limited Depth to saturated zone Piping	1.00 0.31	Somewhat limited Cutbanks cave	0.10
138B: Clarion-----	Somewhat limited Seepage	0.70	Very limited Piping	1.00	Very limited Deep to water	1.00
138C2: Clarion-----	Somewhat limited Seepage	0.70	Very limited Piping	1.00	Very limited Deep to water	1.00
138D2: Clarion-----	Somewhat limited Seepage Slope	0.70 0.01	Very limited Piping	1.00	Very limited Deep to water	1.00
152: Marshan-----	Very limited Seepage	1.00	Very limited Depth to saturated zone Seepage	1.00 1.00	Very limited Cutbanks cave	1.00
162B: Downs-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.09	Very limited Deep to water	1.00
162C2: Downs-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.09	Very limited Deep to water	1.00

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162D2: Downs-----	Somewhat limited Seepage Slope	0.70 0.01	Somewhat limited Piping	0.09	Very limited Deep to water	1.00
163B: Fayette-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.02	Very limited Deep to water	1.00
163C: Fayette-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.02	Very limited Deep to water	1.00
163D: Fayette-----	Somewhat limited Seepage Slope	0.70 0.01	Somewhat limited Piping	0.02	Very limited Deep to water	1.00
168B: Hayden-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.14	Very limited Deep to water	1.00
168C: Hayden-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.14	Very limited Deep to water	1.00
168G: Hayden-----	Somewhat limited Slope Seepage	0.79 0.70	Somewhat limited Piping	0.14	Very limited Deep to water	1.00
177: Saude-----	Very limited Seepage	1.00	Somewhat limited Seepage	1.00	Very limited Deep to water	1.00
177B: Saude-----	Very limited Seepage	1.00	Somewhat limited Seepage	1.00	Very limited Deep to water	1.00
177C: Saude-----	Very limited Seepage	1.00	Somewhat limited Seepage	1.00	Very limited Deep to water	1.00
178: Waukee-----	Very limited Seepage	1.00	Somewhat limited Seepage	1.00	Very limited Deep to water	1.00

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178B: Waukee-----	Very limited Seepage	1.00	Somewhat limited Seepage	1.00	Very limited Deep to water	1.00
184: Klinger-----	Somewhat limited Seepage	0.70	Somewhat limited Depth to saturated zone Piping	0.43 0.04	Somewhat limited Slow refill Deep to water Cutbanks cave	0.30 0.25 0.10
184B: Klinger-----	Somewhat limited Seepage	0.70	Somewhat limited Depth to saturated zone Piping	0.43 0.04	Somewhat limited Slow refill Deep to water Cutbanks cave	0.30 0.25 0.10
188: Kensett-----	Very limited Seepage	1.00	Somewhat limited Thin layer	0.79	Very limited Depth to hard bedrock	1.00
	Depth to bedrock	0.79	Depth to saturated zone Piping	0.43 0.43	Deep to water Cutbanks cave	0.25 0.10
201B: Coland-----	Very limited Seepage	1.00	Very limited Depth to saturated zone Piping	1.00 0.31	Somewhat limited Cutbanks cave	0.10
Terril-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.74	Very limited Deep to water	1.00
212: Kennebec-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.59	Somewhat limited Deep to water Slow refill Cutbanks cave	0.81 0.30 0.10
221: Palms-----	Very limited Seepage	1.00	Very limited Content of organic matter Depth to saturated zone	1.00 1.00	Somewhat limited Cutbanks cave	0.10

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225: Lawler-----	Very limited Seepage	1.00	Somewhat limited Seepage Depth to saturated zone	0.95 0.43	Very limited Cutbanks cave Deep to water	1.00 0.25
226: Lawler-----	Very limited Seepage	1.00	Somewhat limited Seepage Depth to saturated zone	0.95 0.43	Very limited Cutbanks cave Deep to water	1.00 0.25
236B: Lester-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.05	Very limited Deep to water	1.00
236C: Lester-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.05	Very limited Deep to water	1.00
236C2: Lester-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.05	Very limited Deep to water	1.00
236D2: Lester-----	Somewhat limited Seepage Slope	0.70 0.01	Somewhat limited Piping	0.05	Very limited Deep to water	1.00
236F: Lester-----	Somewhat limited Seepage Slope	0.70 0.10	Somewhat limited Piping	0.05	Very limited Deep to water	1.00
284: Flagler-----	Very limited Seepage	1.00	Somewhat limited Seepage	1.00	Very limited Deep to water	1.00
284B: Flagler-----	Very limited Seepage	1.00	Somewhat limited Seepage	1.00	Very limited Deep to water	1.00
284C2: Flagler-----	Very limited Seepage	1.00	Somewhat limited Seepage	1.00	Very limited Deep to water	1.00

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291: Atterberry-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping	1.00 0.76	Somewhat limited Slow refill Cutbanks cave Deep to water	0.30 0.10 0.01
325: Le Sueur-----	Somewhat limited Seepage	0.70	Somewhat limited Depth to saturated zone Piping	0.43 0.32	Somewhat limited Slow refill Deep to water Cutbanks cave	0.30 0.25 0.10
329: Webster-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping	1.00 0.01	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
Nicollet-----	Somewhat limited Seepage	0.70	Somewhat limited Depth to saturated zone Piping	0.02 0.01	Somewhat limited Deep to water Slow refill Cutbanks cave	0.68 0.30 0.10
335: Harcot-----	Very limited Seepage	1.00	Very limited Depth to saturated zone Seepage	1.00 1.00	Very limited Cutbanks cave	1.00
377B: Dinsdale-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.22	Very limited Deep to water	1.00
377C2: Dinsdale-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.22	Very limited Deep to water	1.00
377D2: Dinsdale-----	Somewhat limited Seepage Slope	0.70 0.01	Somewhat limited Piping	0.22	Very limited Deep to water	1.00

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382: Maxfield-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
393C: Sparta-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.18	Very limited Deep to water	1.00
393D: Sparta-----	Very limited Seepage Slope	1.00 0.01	Somewhat limited Seepage	0.18	Very limited Deep to water	1.00
409B: Dickinson-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.08	Very limited Deep to water	1.00
409C: Dickinson-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.08	Very limited Deep to water	1.00
415G: Montieth-----	Very limited Seepage Slope Depth to bedrock	1.00 0.36 0.07	Somewhat limited Thin layer Seepage	0.79 0.33	Very limited Deep to water	1.00
428B: Ely-----	Somewhat limited Seepage	0.70	Somewhat limited Depth to saturated zone Piping	0.43 0.23	Somewhat limited Slow refill Deep to water Cutbanks cave	0.30 0.25 0.10
457: Du Page-----	Very limited Seepage	1.00	Somewhat limited Piping	0.76	Very limited Deep to water	1.00
485: Spillville-----	Very limited Seepage	1.00	Somewhat limited Piping	0.65	Somewhat limited Deep to water Cutbanks cave	0.81 0.10
491G: Renova-----	Somewhat limited Seepage Slope	0.70 0.36	Somewhat limited Piping	0.97	Very limited Deep to water	1.00

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506: Wacousta-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping	1.00 0.86	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
507: Canisteo-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
536: Hanlon-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.09	Somewhat limited Deep to water Cutbanks cave	0.81 0.10
595: Harpster-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Seepage	1.00 0.09	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
638C2: Clarion-----	Somewhat limited Seepage	0.70	Very limited Piping	1.00	Very limited Deep to water	1.00
Storden-----	Somewhat limited Seepage	0.70	Very limited Piping	1.00	Very limited Deep to water	1.00
638D2: Clarion-----	Somewhat limited Seepage Slope	0.70 0.01	Very limited Piping	1.00	Very limited Deep to water	1.00
Storden-----	Somewhat limited Seepage Slope	0.70 0.01	Very limited Piping	1.00	Very limited Deep to water	1.00
696: Tilfer-----	Very limited Seepage Depth to bedrock	1.00 0.86	Very limited Depth to saturated zone Thin layer Piping	1.00 0.86 0.80	Very limited Depth to hard bedrock Cutbanks cave	1.00 0.10
705C2: Downs Variant-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.98	Very limited Deep to water	1.00

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705D2: Downs Variant-----	Very limited Seepage Slope	1.00 0.01	Somewhat limited Seepage	0.98	Very limited Deep to water	1.00
733: Calco-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Hard to pack	1.00 0.03	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
771B: Waubee-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.25	Very limited Deep to water	1.00
771C2: Waubee-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.25	Very limited Deep to water	1.00
771D2: Waubee-----	Somewhat limited Seepage Slope	0.70 0.01	Somewhat limited Piping	0.25	Very limited Deep to water	1.00
814: Rockton-----	Very limited Seepage Depth to bedrock	1.00 0.86	Somewhat limited Thin layer	0.86	Very limited Deep to water	1.00
814B: Rockton-----	Very limited Seepage Depth to bedrock	1.00 0.86	Somewhat limited Thin layer	0.86	Very limited Deep to water	1.00
814C2: Rockton-----	Very limited Seepage Depth to bedrock	1.00 0.86	Somewhat limited Thin layer	0.86	Very limited Deep to water	1.00
828B: Zenor-----	Very limited Seepage	1.00	Somewhat limited Seepage	1.00	Very limited Deep to water	1.00
828C2: Zenor-----	Very limited Seepage	1.00	Somewhat limited Seepage	1.00	Very limited Deep to water	1.00

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933: Sawmill-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping	1.00 0.01	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
936: Coland-----	Very limited Seepage	1.00	Very limited Depth to saturated zone Piping	1.00 0.31	Somewhat limited Cutbanks cave	0.10
Spillville-----	Very limited Seepage	1.00	Somewhat limited Piping	0.65	Somewhat limited Deep to water Cutbanks cave	0.81 0.10
Hanlon-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.09	Somewhat limited Deep to water Cutbanks cave	0.81 0.10
956: Okoboji-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Hard to pack	1.00 0.65	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
Harps-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping	1.00 0.01	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
1936: Coland-----	Very limited Seepage	1.00	Very limited Depth to saturated zone Piping	1.00 0.31	Somewhat limited Cutbanks cave	0.10
Spillville-----	Very limited Seepage	1.00	Somewhat limited Piping	0.65	Somewhat limited Deep to water Cutbanks cave	0.81 0.10
Hanlon-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.09	Somewhat limited Deep to water Cutbanks cave	0.81 0.10
4000: Urban Land-----	Not rated		Not rated		Not rated	

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5010: Pits, Sand And Gravel-----	Not rated		Not rated		Not rated	
5030: Pits, Limeston Quarry-----	Not rated		Not rated		Not rated	
5040: Orthents-----	Not rated		Not rated		Not rated	
W: Water-----	Not rated		Not rated		Not rated	