

Water Management

Carroll 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
1C3: Ida-----	Somewhat limited Seepage	0.70	Very limited Piping	1.00	Very limited Deep to water	1.00
1D3: Ida-----	Somewhat limited Seepage Slope	0.70 0.01	Very limited Piping	1.00	Very limited Deep to water	1.00
5B: Ackmore-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping	1.00 0.68	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
Judson-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.01	Very limited Deep to water	1.00
6: Okoboji-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Hard to pack	1.00 0.54	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
8B: Judson-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.02	Very limited Deep to water	1.00
8C: Judson-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.02	Very limited Deep to water	1.00
9: Marshall-----	Somewhat limited Seepage	0.70	Not limited		Very limited Deep to water	1.00
9B: Marshall-----	Somewhat limited Seepage	0.70	Not limited		Very limited Deep to water	1.00
9B2: Marshall-----	Somewhat limited Seepage	0.70	Not limited		Very limited Deep to water	1.00
9C: Marshall-----	Somewhat limited Seepage	0.70	Not limited		Very limited Deep to water	1.00

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9C2: Marshall-----	Somewhat limited Seepage	0.70	Not limited		Very limited Deep to water	1.00
9D2: Marshall-----	Somewhat limited Seepage Slope	0.70 0.01	Not limited		Very limited Deep to water	1.00
9E2: Marshall-----	Somewhat limited Seepage Slope	0.70 0.06	Not limited		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
Judson-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.02	Very limited Deep to water	1.00
27B: Terril-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.26	Very limited Deep to water	1.00
27C: Terril-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.26	Very limited Deep to water	1.00
28B: Dickman-----	Very limited Seepage	1.00	Very limited Seepage	1.00	Very limited Deep to water	1.00
28B2: Dickman-----	Very limited Seepage	1.00	Very limited Seepage	1.00	Very limited Deep to water	1.00
28C2: Dickman-----	Very limited Seepage	1.00	Very limited Seepage	1.00	Very limited Deep to water	1.00
28D2: Dickman-----	Very limited Seepage Slope	1.00 0.01	Very limited Seepage	1.00	Very limited Deep to water	1.00

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34B: Estherville-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.98	Very limited Deep to water	1.00
34C2: Estherville-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.98	Very limited Deep to water	1.00
48: Knoke-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone Hard to pack	1.00 0.65	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
54: Zook-----	Not limited		Very limited Depth to saturated zone Hard to pack	1.00 1.00	Somewhat limited Slow refill Cutbanks cave	0.95 0.10
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
59C2: Burchard-----	Somewhat limited Seepage	0.05	Not limited		Very limited Deep to water	1.00
59D2: Burchard-----	Somewhat limited Seepage Slope	0.05 0.01	Not limited		Very limited Deep to water	1.00
59E2: Burchard-----	Somewhat limited Seepage Slope	0.05 0.04	Not limited		Very limited Deep to water	1.00
59F2: Burchard-----	Somewhat limited Slope Seepage	0.18 0.05	Not limited		Very limited Deep to water	1.00
62C2: Storden-----	Somewhat limited Seepage	0.70	Very limited Piping	1.00	Very limited Deep to water	1.00

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62D2: Storden-----	Somewhat limited		Very limited		Very limited	
	Seepage	0.70	Piping	1.00	Deep to water	1.00
	Slope	0.01				
62E2: Storden-----	Somewhat limited		Very limited		Very limited	
	Seepage	0.70	Piping	1.00	Deep to water	1.00
	Slope	0.04				
62F: Storden-----	Somewhat limited		Very limited		Very limited	
	Seepage	0.70	Piping	1.00	Deep to water	1.00
	Slope	0.18				
62G: Storden-----	Somewhat limited		Very limited		Very limited	
	Seepage	0.70	Piping	1.00	Deep to water	1.00
	Slope	0.64				
71D2: Marshall-----	Somewhat limited		Not limited		Very limited	
	Seepage	0.70			Deep to water	1.00
	Slope	0.01				
Dickman-----	Very limited		Very limited		Very limited	
	Seepage	1.00	Seepage	1.00	Deep to water	1.00
	Slope	0.01				
90: Okoboji-----	Somewhat limited		Very limited		Somewhat limited	
	Seepage	0.70	Depth to saturated zone	1.00	Slow refill	0.30
			Hard to pack	0.78	Cutbanks cave	0.10
95: Harps-----	Somewhat limited		Very limited		Somewhat limited	
	Seepage	0.70	Depth to saturated zone	1.00	Slow refill	0.30
					Cutbanks cave	0.10
99C2: Exira-----	Somewhat limited		Not limited		Very limited	
	Seepage	0.70			Deep to water	1.00
99D2: Exira-----	Somewhat limited		Not limited		Very limited	
	Seepage	0.70			Deep to water	1.00
	Slope	0.01				

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99E2: Exira-----	Somewhat limited Seepage Slope	0.70 0.06	Not limited		Very limited Deep to water	1.00
107: Webster-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
108: Wadena-----	Very limited Seepage	1.00	Somewhat limited Seepage	1.00	Very limited Deep to water	1.00
108B: Wadena-----	Very limited Seepage	1.00	Somewhat limited Seepage	1.00	Very limited Deep to water	1.00
108C2: Wadena-----	Very limited Seepage	1.00	Somewhat limited Seepage	1.00	Very limited Deep to water	1.00
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
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 Seepage Piping	1.00 0.07 0.01	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
138B2: Clarion-----	Somewhat limited Seepage	0.70	Very limited Piping	1.00	Very limited Deep to water	1.00

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138C: 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
179E2: Gara-----	Somewhat limited Seepage Slope	0.05 0.04	Not limited		Very limited Deep to water	1.00
179F: Gara-----	Somewhat limited Slope Seepage	0.18 0.05	Somewhat limited Piping	0.01	Very limited Deep to water	1.00
179F2: Gara-----	Somewhat limited Slope Seepage	0.18 0.05	Not limited		Very limited Deep to water	1.00
179G: Gara-----	Somewhat limited Slope Seepage	0.64 0.05	Somewhat limited Piping	0.01	Very limited Deep to water	1.00
192D2: Adair-----	Somewhat limited Seepage Slope	0.05 0.01	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave Deep to water	0.95 0.10 0.01
201B: Coland-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
Spillville-----	Very limited Seepage	1.00	Somewhat limited Piping	0.74	Somewhat limited Deep to water Cutbanks cave	0.81 0.10

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203: Cylinder-----	Very limited Seepage	1.00	Somewhat limited Depth to saturated zone Seepage	0.43 0.41	Very limited Cutbanks cave Deep to water	1.00 0.25
236C: Lester-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.06	Very limited Deep to water	1.00
259: Biscay-----	Very limited Seepage	1.00	Very limited Depth to saturated zone Seepage	1.00 0.91	Very limited Cutbanks cave	1.00
268C: Knox-----	Somewhat limited Seepage	0.70	Not limited		Very limited Deep to water	1.00
268D2: Knox-----	Somewhat limited Seepage Slope	0.70 0.01	Not limited		Very limited Deep to water	1.00
268E2: Knox-----	Somewhat limited Seepage Slope	0.70 0.04	Not limited		Very limited Deep to water	1.00
308: Wadena-----	Very limited Seepage	1.00	Somewhat limited Seepage	1.00	Very limited Deep to water	1.00
308B: Wadena-----	Very limited Seepage	1.00	Somewhat limited Seepage	1.00	Very limited Deep to water	1.00
430: Ackmore-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping	1.00 0.68	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
485: Spillville-----	Very limited Seepage	1.00	Somewhat limited Piping	0.74	Somewhat limited Deep to water Cutbanks cave	0.81 0.10

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485B: Spillville-----	Very limited Seepage	1.00	Somewhat limited Piping	0.74	Somewhat limited Deep to water Cutbanks cave	0.81 0.10
507: Canisteeo-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping	1.00 0.08	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
509B: Marshall-----	Somewhat limited Seepage	0.70	Not limited		Very limited Deep to water	1.00
559: Talcot-----	Very limited Seepage	1.00	Very limited Depth to saturated zone Seepage	1.00 0.91	Very limited Cutbanks cave	1.00
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
639C: Salida-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.95	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
639D: Salida-----	Very limited Seepage Slope	1.00 0.01	Somewhat limited Seepage	0.95	Very limited Deep to water	1.00

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Storden-----	Somewhat limited Seepage	0.70	Very limited Piping	1.00	Very limited Deep to water	1.00
	Slope	0.01				
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
822D3: Lamoni-----	Somewhat limited Slope	0.01	Very limited Depth to saturated zone Hard to pack	1.00 0.28	Very limited Slow refill Cutbanks cave Deep to water	1.00 0.10 0.01
823: Ridgeport-----	Very limited Seepage	1.00	Somewhat limited Seepage	1.00	Very limited Deep to water	1.00
924D2: Burchard-----	Somewhat limited Seepage Slope	0.05 0.01	Not limited		Very limited Deep to water	1.00
Adair-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave Deep to water	0.95 0.10 0.01
	Slope	0.01				
924E2: Burchard-----	Somewhat limited Seepage Slope	0.05 0.04	Not limited		Very limited Deep to water	1.00
Adair-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave Deep to water	0.95 0.10 0.01
	Slope	0.04				
993D2: Gara-----	Somewhat limited Seepage Slope	0.05 0.01	Not limited		Very limited Deep to water	1.00

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	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Armstrong-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill	0.95
	Slope	0.01			Cutbanks cave Deep to water	0.10 0.01
993E2: Gara-----	Somewhat limited Seepage	0.05	Not limited		Very limited Deep to water	1.00
	Slope	0.04				
Armstrong-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill	0.95
	Slope	0.01			Cutbanks cave Deep to water	0.10 0.01
2315: Fluvaquents-----	Very limited Seepage	1.00	Very limited Depth to saturated zone	1.00	Very limited Cutbanks cave	1.00
	Slope	0.50	Seepage	0.98		
5010: Pits-----	Not rated		Not rated		Not rated	
5040: Orthents-----	Very limited Seepage	1.00	Very limited Hard to pack	1.00	Very limited Deep to water	1.00
	Slope	0.50				