

Water 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 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Decatur 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
13B: Olmitz-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.41	Somewhat limited Depth to water Slow refill Cutbanks cave	0.81 0.30 0.10
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
Vesser-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping	1.00 0.09	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
23C: Arispe-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
23C2: Arispe-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
24D: Shelby-----	Somewhat limited Seepage Slope	0.05 0.01	Somewhat limited Piping	0.01	Very limited Depth to water	1.00
24D2: Shelby-----	Somewhat limited Seepage Slope	0.05 0.01	Not limited		Very limited Depth to water	1.00
24E2: Shelby-----	Somewhat limited Seepage Slope	0.05 0.04	Not limited		Very limited Depth to water	1.00
24F2: Shelby-----	Somewhat limited Slope Seepage	0.18 0.05	Not limited		Very limited Depth to water	1.00

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43: Bremer-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Hard to pack	1.00 0.47	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
51: Vesser-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping	1.00 0.09	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
51B: Vesser-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping	1.00 0.09	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
54+: Zook-----	Not limited		Very limited Depth to saturated zone Hard to pack	1.00 1.00	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
56B: Cantril-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping	1.00 0.03	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
56C: Cantril-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping	1.00 0.03	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
58E: Douds-----	Very limited Seepage Slope	1.00 0.04	Somewhat limited Piping	0.15	Somewhat limited Depth to water Cutbanks cave	0.81 0.10

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	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
58E2: Douds-----	Very limited Seepage Slope	1.00 0.04	Not limited		Somewhat limited Depth to water Cutbanks cave	0.81 0.10
65D: Lindley-----	Somewhat limited Seepage Slope	0.05 0.01	Somewhat limited Piping	0.70	Very limited Depth to water	1.00
65E: Lindley-----	Somewhat limited Seepage Slope	0.05 0.04	Somewhat limited Piping	0.70	Very limited Depth to water	1.00
65E2: Lindley-----	Somewhat limited Seepage Slope	0.05 0.04	Somewhat limited Piping	0.61	Very limited Depth to water	1.00
65F2: Lindley-----	Somewhat limited Slope Seepage	0.18 0.05	Somewhat limited Piping	0.61	Very limited Depth to water	1.00
65G: Lindley-----	Somewhat limited Slope Seepage	0.45 0.05	Somewhat limited Piping	0.70	Very limited Depth to water	1.00
88: Nevin-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
94E: Caleb-----	Somewhat limited Seepage Slope	0.70 0.04	Somewhat limited Piping	0.24	Somewhat limited Depth to water Slow refill Cutbanks cave	0.81 0.30 0.10
Mystic-----	Somewhat limited Seepage Slope	0.70 0.01	Very limited Depth to saturated zone Piping	1.00 0.24	Somewhat limited Depth to water Slow refill Cutbanks cave	0.81 0.30 0.10

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	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
94E2: Caleb-----	Somewhat limited Seepage Slope	0.70 0.04	Somewhat limited Piping	0.26	Somewhat limited Depth to water Slow refill Cutbanks cave	0.81 0.30 0.10
Mystic-----	Somewhat limited Seepage Slope	0.70 0.01	Very limited Depth to saturated zone Piping	1.00 0.26	Very limited Depth to water	1.00
131B: Pershing-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave	0.95 0.10
131C: Pershing-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave	0.95 0.10
131C2: Pershing-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave	0.95 0.10
132C: Weller-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone	1.00	Very limited Depth to water	1.00
132C2: Weller-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone	1.00	Very limited Depth to water	1.00
172: Wabash-----	Not limited		Very limited Depth to saturated zone Hard to pack Ponding	1.00 1.00 1.00	Very limited Slow refill Cutbanks cave	1.00 0.10

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	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
179D2: Gara-----	Somewhat limited Seepage Slope	0.05 0.01	Not limited		Very limited Depth to water	1.00
179E: Gara-----	Somewhat limited Seepage Slope	0.05 0.04	Somewhat limited Piping	0.11	Very limited Depth to water	1.00
179E2: Gara-----	Somewhat limited Seepage Slope	0.05 0.04	Not limited		Very limited Depth to water	1.00
179F: Gara-----	Somewhat limited Slope Seepage	0.18 0.05	Somewhat limited Piping	0.02	Very limited Depth to water	1.00
179F2: Gara-----	Somewhat limited Slope Seepage	0.18 0.05	Not limited		Very limited Depth to water	1.00
192C: Adair-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone Piping	1.00 0.01	Very limited Depth to water	1.00
192C2: Adair-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone Piping	1.00 0.01	Very limited Depth to water	1.00
192D2: Adair-----	Somewhat limited Seepage Slope	0.05 0.01	Very limited Depth to saturated zone Piping	1.00 0.01	Very limited Depth to water	1.00
208: Klum-----	Very limited Seepage	1.00	Not limited		Somewhat limited Depth to water Cutbanks cave	0.81 0.10

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	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
211: Edina-----	Not limited		Very limited Depth to saturated zone Hard to pack	1.00 0.25	Very limited Depth to water	1.00
220: Nodaway-----	Somewhat limited Seepage	0.70	Very limited Piping	1.00	Somewhat limited Depth to water Slow refill Cutbanks cave	0.81 0.30 0.10
222C: Clarinda-----	Not limited		Very limited Depth to saturated zone Hard to pack	1.00 0.85	Very limited Depth to water	1.00
222C2: Clarinda-----	Somewhat limited Seepage	0.01	Very limited Depth to saturated zone Hard to pack	1.00 0.85	Very limited Depth to water	1.00
222D2: Clarinda-----	Somewhat limited Seepage Slope	0.01 0.01	Very limited Depth to saturated zone Hard to pack	1.00 0.85	Very limited Depth to water	1.00
223C2: Rinda-----	Not limited		Very limited Depth to saturated zone Hard to pack	1.00 0.92	Very limited Depth to water	1.00
223D2: Rinda-----	Somewhat limited Slope	0.01	Very limited Depth to saturated zone Hard to pack	1.00 0.92	Very limited Depth to water	1.00
232C: Keswick-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone	1.00	Very limited Depth 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
232C2: Keswick-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone	1.00	Very limited Depth to water	1.00
269: Humeston-----	Not limited		Very limited Depth to saturated zone	1.00	Very limited Depth to water	1.00
273B: Olmitz-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.03	Somewhat limited Depth to water Slow refill Cutbanks cave	0.81 0.30 0.10
273C: Olmitz-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.03	Somewhat limited Depth to water Slow refill Cutbanks cave	0.81 0.30 0.10
312B: Seymour-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone Hard to pack	1.00 0.31	Very limited Depth to water	1.00
312C: Seymour-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone Hard to pack	1.00 0.31	Very limited Depth to water	1.00
312C2: Seymour-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone Hard to pack	1.00 0.31	Very limited Depth to water	1.00
362: Haig-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Hard to pack	1.00 0.36	Very limited Depth 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
364B: Grundy-----	Not limited		Very limited Depth to saturated zone Hard to pack	1.00 0.68	Somewhat limited Slow refill Cutbanks cave	 0.95 0.10
423C2: Bucknell-----	Not limited		Very limited Depth to saturated zone	1.00	Very limited Depth to water	1.00
423D2: Bucknell-----	Somewhat limited Slope	0.01	Very limited Depth to saturated zone	1.00	Very limited Depth to water	1.00
425C: Keswick-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone	1.00	Very limited Depth to water	1.00
425D: Keswick-----	Somewhat limited Seepage Slope	0.05 0.01	Very limited Depth to saturated zone	1.00	Very limited Depth to water	1.00
425D2: Keswick-----	Somewhat limited Seepage Slope	0.05 0.01	Very limited Depth to saturated zone	1.00	Very limited Depth to water	1.00
425D3: Keswick-----	Somewhat limited Seepage Slope	0.05 0.01	Very limited Depth to saturated zone	1.00	Very limited Depth to water	1.00
451C2: Caleb-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.21	Somewhat limited Depth to water Slow refill Cutbanks cave	0.81 0.30 0.10

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	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
451D2: Caleb-----	Somewhat limited Seepage Slope	0.70 0.01	Somewhat limited Piping	0.21	Somewhat limited Depth to water Slow refill Cutbanks cave	0.81 0.30 0.10
451E2: Caleb-----	Somewhat limited Seepage Slope	0.70 0.04	Somewhat limited Piping	0.21	Somewhat limited Depth to water Slow refill Cutbanks cave	0.81 0.30 0.10
452C: Lineville-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave	0.95 0.10
452C2: Lineville-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave	0.95 0.10
453: Tuskeego-----	Not limited		Very limited Depth to saturated zone Hard to pack	1.00 0.16	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
484: Lawson-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping	1.00 0.98	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
520: Coppock-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping	1.00 0.03	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
520B: Coppock-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping	1.00 0.03	Somewhat limited Slow refill Cutbanks cave	0.30 0.10

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	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
531B: Kniffin-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone Hard to pack	1.00 0.35	Very limited Depth to water	1.00
531C: Kniffin-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone Hard to pack	1.00 0.35	Very limited Depth to water	1.00
531C2: Kniffin-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone Hard to pack	1.00 0.50	Very limited Depth to water	1.00
532C: Rathbun-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone Hard to pack	1.00 0.20	Very limited Depth to water	1.00
532C2: Rathbun-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone Hard to pack	1.00 0.28	Very limited Depth to water	1.00
587: Chequest-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone Hard to pack	1.00 0.08	Somewhat limited Slow refill Cutbanks cave	0.95 0.10
592C: Mystic-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone	1.00	Very limited Depth to water	1.00
592C2: Mystic-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone	1.00	Very limited Depth 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
592D2: Mystic-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone	1.00	Very limited Depth to water	1.00
	Slope	0.01				
594D: Galland-----	Very limited Seepage	1.00	Very limited Depth to saturated zone Seepage	1.00 0.01	Very limited Depth to water	1.00
	Slope	0.01				
594D2: Galland-----	Very limited Seepage	1.00	Very limited Depth to saturated zone Seepage	1.00 0.01	Very limited Depth to water	1.00
	Slope	0.01				
678G: Gasconade-----	Very limited Depth to bedrock Slope	1.00 0.68	Very limited Thin layer Content of large stones	1.00 0.78	Very limited Depth to water	1.00
715: Nodaway-----	Somewhat limited Seepage	0.70	Very limited Piping	1.00	Somewhat limited Depth to water Slow refill Cutbanks cave	0.81 0.30 0.10
Lawson-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping	1.00 0.98	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
Klum-----	Very limited Seepage	1.00	Not limited		Somewhat limited Depth to water Cutbanks cave	0.81 0.10
730C: Cantril-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping	1.00 0.03	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
Coppock-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping	1.00 0.12	Somewhat limited Slow refill Cutbanks cave	0.30 0.10

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	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Nodaway-----	Somewhat limited Seepage	0.70	Very limited Piping	1.00	Somewhat limited Depth to water Slow refill Cutbanks cave	0.81 0.30 0.10
792C: Armstrong-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone Piping	1.00 0.03	Very limited Depth to water	1.00
792C2: Armstrong-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone	1.00	Very limited Depth to water	1.00
792D: Armstrong-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone	1.00	Very limited Depth to water	1.00
	Slope	0.01	Piping	0.02		
792D2: Armstrong-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone	1.00	Very limited Depth to water	1.00
	Slope	0.01				
792D3: Armstrong-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone	1.00	Very limited Depth to water	1.00
	Slope	0.01				
822C2: Lamoni-----	Not limited		Very limited Depth to saturated zone	1.00	Very limited Depth to water	1.00
822D2: Lamoni-----	Somewhat limited Slope	0.01	Very limited Depth to saturated zone	1.00	Very limited Depth to water	1.00
831C2: Pershing-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave	0.95 0.10

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832C2: Weller-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill	0.95
					Cutbanks cave	0.10
					Depth to water	0.01
994E: Douds-----	Very limited Seepage	1.00	Somewhat limited Piping	0.15	Somewhat limited Depth to water	0.81
	Slope	0.04			Cutbanks cave	0.10
Galland-----	Very limited Seepage	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to water	1.00
	Slope	0.01	Seepage	0.01		
994E2: Douds-----	Very limited Seepage	1.00	Not limited		Somewhat limited Depth to water	0.81
	Slope	0.04			Cutbanks cave	0.10
Galland-----	Very limited Seepage	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to water	1.00
	Slope	0.01	Seepage	0.01		
			Piping	0.01		
1130: Belinda-----	Somewhat limited Seepage	0.01	Very limited Depth to saturated zone	1.00	Very limited Depth to water	1.00
			Hard to pack	0.06		
1131B: Pershing-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill	0.95
					Cutbanks cave	0.10
1131C: Pershing-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill	0.95
					Cutbanks cave	0.10

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	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
1132C: Weller-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave Depth to water	0.95 0.10 0.01
1715: Nodaway-----	Somewhat limited Seepage	0.70	Very limited Piping	1.00	Somewhat limited Depth to water Slow refill Cutbanks cave	0.81 0.30 0.10
Klum-----	Very limited Seepage	1.00	Not limited		Somewhat limited Depth to water Cutbanks cave	0.81 0.10
Lawson-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping	1.00 0.98	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
5030: Limestone-----	Not rated		Not rated		Not rated	
5040: Orthents-----	Not rated		Not rated		Not rated	
AW: Animal Waste-----	Not rated		Not rated		Not rated	
SL: Sewage Lagoon-----	Not rated		Not rated		Not rated	

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	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
W: Water-----	Not rated		Not rated		Not rated	

