

Water Management

Monona 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
1C: Ida-----	Somewhat limited Seepage	0.70	Very limited Piping	1.00	Very limited Deep to water	1.00
1C3: Ida-----	Somewhat limited Seepage	0.70	Very limited Piping	1.00	Very limited Deep to water	1.00
1D: Ida-----	Somewhat limited Seepage Slope	0.70 0.01	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
1E: Ida-----	Somewhat limited Seepage Slope	0.70 0.06	Very limited Piping	1.00	Very limited Deep to water	1.00
1E3: Ida-----	Somewhat limited Seepage Slope	0.70 0.06	Very limited Piping	1.00	Very limited Deep to water	1.00
1F: Ida-----	Somewhat limited Seepage Slope	0.70 0.28	Very limited Piping	1.00	Very limited Deep to water	1.00
1F3: Ida-----	Somewhat limited Seepage Slope	0.70 0.28	Very limited Piping	1.00	Very limited Deep to water	1.00
1G: Ida-----	Somewhat limited Slope Seepage	0.72 0.70	Very limited Piping	1.00	Very limited Deep to water	1.00
2G: Hamburg-----	Very limited Slope Seepage	1.00 0.70	Very limited Piping	1.00	Very limited Deep to water	1.00

Water Management

Monona 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
3D: Castana-----	Somewhat limited		Somewhat limited		Very limited	
	Seepage	0.70	Piping	0.68	Deep to water	1.00
	Slope	0.01				
3E: Castana-----	Somewhat limited		Somewhat limited		Very limited	
	Seepage	0.70	Piping	0.68	Deep to water	1.00
	Slope	0.06				
3F: Castana-----	Somewhat limited		Somewhat limited		Very limited	
	Seepage	0.70	Piping	0.68	Deep to water	1.00
	Slope	0.28				
10B: Monona-----	Somewhat limited		Somewhat limited		Very limited	
	Seepage	0.70	Piping	0.16	Deep to water	1.00
10C: Monona-----	Somewhat limited		Somewhat limited		Very limited	
	Seepage	0.70	Piping	0.16	Deep to water	1.00
10C2: Monona-----	Somewhat limited		Somewhat limited		Very limited	
	Seepage	0.70	Piping	0.32	Deep to water	1.00
10C3: Monona-----	Somewhat limited		Somewhat limited		Very limited	
	Seepage	0.70	Piping	0.32	Deep to water	1.00
10D: Monona-----	Somewhat limited		Somewhat limited		Very limited	
	Seepage	0.70	Piping	0.16	Deep to water	1.00
	Slope	0.01				
10D2: Monona-----	Somewhat limited		Somewhat limited		Very limited	
	Seepage	0.70	Piping	0.32	Deep to water	1.00
	Slope	0.01				
10D3: Monona-----	Somewhat limited		Somewhat limited		Very limited	
	Seepage	0.70	Piping	0.32	Deep to water	1.00
	Slope	0.01				

Water Management

Monona 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
10E: Monona-----	Somewhat limited Seepage Slope	0.70 0.06	Somewhat limited Piping	0.16	Very limited Deep to water	1.00
10E2: Monona-----	Somewhat limited Seepage Slope	0.70 0.06	Somewhat limited Piping	0.32	Very limited Deep to water	1.00
10E3: Monona-----	Somewhat limited Seepage Slope	0.70 0.06	Somewhat limited Piping	0.32	Very limited Deep to water	1.00
10F: Monona-----	Somewhat limited Seepage Slope	0.70 0.28	Somewhat limited Piping	0.16	Very limited Deep to water	1.00
10F2: Monona-----	Somewhat limited Seepage Slope	0.70 0.28	Somewhat limited Piping	0.32	Very limited Deep to water	1.00
10F3: Monona-----	Somewhat limited Seepage Slope	0.70 0.28	Somewhat limited Piping	0.32	Very limited Deep to water	1.00
10G: Monona-----	Somewhat limited Slope Seepage	0.72 0.70	Somewhat limited Piping	0.16	Very limited Deep to water	1.00
12B: Napier-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.68	Very limited Deep to water	1.00
12C: Napier-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.68	Very limited Deep to water	1.00
12D: Napier-----	Somewhat limited Seepage Slope	0.70 0.01	Somewhat limited Piping	0.68	Very limited Deep to water	1.00

Water Management

Monona 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
17B: Napier-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.68	Very limited Deep to water	1.00
Colo-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill	0.30
Kennebec-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.71	Cutbanks cave Deep to water	0.10 0.01
33D: Steinauer-----	Somewhat limited Seepage Slope	0.05 0.01	Not limited		Very limited Deep to water	1.00
33E: Steinauer-----	Somewhat limited Seepage Slope	0.05 0.04	Not limited		Very limited Deep to water	1.00
33F: Steinauer-----	Somewhat limited Slope Seepage	0.18 0.05	Not limited		Very limited Deep to water	1.00
33G: Steinauer-----	Somewhat limited Slope Seepage	0.64 0.05	Not limited		Very limited Deep to water	1.00
36: Salix-----	Somewhat limited Seepage	0.70	Somewhat limited Piping Depth to saturated zone	0.64 0.09	Somewhat limited Deep to water Slow refill	0.54 0.30
44: Blencoe-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone	1.00	Cutbanks cave Slow refill	0.10 0.30
					Cutbanks cave	0.10

Water Management

Monona 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
46: Keg-----	Somewhat limited Seepage	0.70	Very limited Piping	1.00	Very limited Deep to water	1.00
54: Zook-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone Hard to pack	1.00 0.69	Somewhat limited Slow refill Cutbanks cave	0.95 0.10
54+: Zook-----	Somewhat limited Seepage	0.01	Very limited Depth to saturated zone Hard to pack	1.00 0.95	Somewhat limited Slow refill Cutbanks cave	0.99 0.10
66: Luton-----	Not limited		Very limited Depth to saturated zone Hard to pack	1.00 1.00	Very limited Slow refill Cutbanks cave	1.00 0.10
66+: Luton-----	Not limited		Very limited Hard to pack Depth to saturated zone	1.00 1.00	Very limited Slow refill Cutbanks cave Deep to water	1.00 0.10 0.01
67: Woodbury-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone Hard to pack	1.00 0.98	Somewhat limited Slow refill Cutbanks cave	0.95 0.10
68: Napa-----	Not limited		Very limited Depth to saturated zone Hard to pack Salinity	1.00 1.00 0.12	Somewhat limited Slow refill Salty water Cutbanks cave	0.95 0.50 0.10
70: Mcpaul-----	Somewhat limited Seepage	0.70	Very limited Piping Depth to saturated zone	1.00 0.09	Somewhat limited Deep to water Slow refill Cutbanks cave	0.54 0.30 0.10

Water Management

Monona 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
123: Grantcenter-----	Very limited Seepage	1.00	Very limited Depth to saturated zone Piping	1.00 0.17	Somewhat limited Cutbanks cave	0.10
133: Colo-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave Deep to water	0.30 0.10 0.01
133+: Colo-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave Deep to water	0.30 0.10 0.01
137: Haynie-----	Somewhat limited Seepage	0.70	Very limited Piping	1.00	Very limited Deep to water	1.00
144: Blake-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping	1.00 0.79	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
145: Onawa-----	Very limited Seepage	1.00	Very limited Depth to saturated zone	1.00	Somewhat limited Cutbanks cave	0.10
146: Onawa-----	Very limited Seepage	1.00	Very limited Depth to saturated zone	1.00	Somewhat limited Cutbanks cave	0.10
147: Modale-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Hard to pack	1.00 0.99	Somewhat limited Slow refill Cutbanks cave	0.30 0.10

Water Management

Monona 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
149: Modale-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Hard to pack	1.00 0.99	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
155: Albaton-----	Not limited		Very limited Depth to saturated zone Hard to pack	1.00 1.00	Somewhat limited Slow refill Cutbanks cave	0.43 0.10
156: Albaton-----	Not limited		Very limited Depth to saturated zone Hard to pack	1.00 1.00	Very limited Slow refill Cutbanks cave	1.00 0.10
157: Albaton-----	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
212: Kennebec-----	Somewhat limited Seepage	0.70	Somewhat limited Piping Depth to saturated zone	0.71 0.09	Somewhat limited Deep to water Slow refill Cutbanks cave	0.54 0.30 0.10
212+: Kennebec-----	Somewhat limited Seepage	0.70	Somewhat limited Piping Depth to saturated zone	0.99 0.09	Somewhat limited Deep to water Slow refill Cutbanks cave	0.54 0.30 0.10
220: Nodaway-----	Somewhat limited Seepage	0.70	Very limited Piping Depth to saturated zone	1.00 0.09	Somewhat limited Deep to water Slow refill Cutbanks cave	0.54 0.30 0.10

Water Management

Monona 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
234: Nishna-----	Not limited		Very limited Depth to saturated zone Hard to pack	1.00 0.75	Very limited Slow refill Cutbanks cave Deep to water	1.00 0.10 0.01
237: Sarpy-----	Very limited Seepage	1.00	Very limited Seepage	1.00	Very limited Deep to water	1.00
237B: Sarpy-----	Very limited Seepage	1.00	Very limited Seepage	1.00	Very limited Deep to water	1.00
244: Blend-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Hard to pack	1.00 0.96	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
255: Cooper-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Hard to pack	1.00 0.96	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
257: Uturin-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Hard to pack	1.00 0.45	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
266: Smithland-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
275: Moville-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Hard to pack	1.00 0.91	Somewhat limited Slow refill Cutbanks cave	0.30 0.10

Water Management

Monona 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
366: Luton-----	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
430: Ackmore-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave Deep to water	0.30 0.10 0.01
436: Lakeport-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
446: Burcham-----	Somewhat limited Seepage	0.70	Somewhat limited Hard to pack Depth to saturated zone	1.00 0.09	Very limited Slow refill Deep to water Cutbanks cave	1.00 0.54 0.10
465: Tieville-----	Not limited		Very limited Depth to saturated zone Hard to pack	1.00 1.00	Very limited Slow refill Cutbanks cave	1.00 0.10
510: Monona-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.16	Very limited Deep to water	1.00
510B: Monona-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.16	Very limited Deep to water	1.00
510C: Monona-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.16	Very limited Deep to water	1.00
510C2: Monona-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.32	Very limited Deep to water	1.00

Water Management

Monona 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
510C3: Monona-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.32	Very limited Deep to water	1.00
514: Grable-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.99	Very limited Deep to water	1.00
515: Percival-----	Very limited Seepage	1.00	Very limited Depth to saturated zone Seepage	1.00 0.62	Very limited Cutbanks cave	1.00
516: Vore-----	Very limited Seepage	1.00	Somewhat limited Seepage Depth to saturated zone	0.94 0.09	Very limited Cutbanks cave Deep to water	1.00 0.54
552: Owego-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Hard to pack	1.00 0.96	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
553: Forney-----	Not limited		Very limited Depth to saturated zone Hard to pack	1.00 1.00	Very limited Slow refill Cutbanks cave	1.00 0.10
670: Rawles-----	Somewhat limited Seepage	0.70	Somewhat limited Piping Depth to saturated zone	0.80 0.09	Somewhat limited Deep to water Slow refill Cutbanks cave	0.54 0.30 0.10
717D: Gullied Land-----	Not rated		Not rated		Not rated	
Napier-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.68	Very limited Deep to water	1.00

Water Management

Monona 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
746: Lossing-----	Very limited Seepage	1.00	Somewhat limited		Somewhat limited	
			Piping	0.93	Deep to water	0.25
			Depth to saturated zone	0.43	Cutbanks cave	0.10
			Seepage	0.06		
747: Rodney-----	Very limited Seepage	1.00	Very limited		Somewhat limited	
			Depth to saturated zone	1.00	Cutbanks cave	0.10
			Hard to pack	0.65	Deep to water	0.01
748: Hornick-----	Somewhat limited Seepage	0.70	Very limited		Somewhat limited	
			Depth to saturated zone	1.00	Slow refill	0.30
			Hard to pack	0.64	Cutbanks cave	0.10
754: Larpenteur-----	Somewhat limited Seepage	0.70	Very limited		Somewhat limited	
			Piping	1.00	Slow refill	0.30
			Depth to saturated zone	1.00	Cutbanks cave	0.10
945: Albaton-----	Not limited		Very limited		Very limited	
			Depth to saturated zone	1.00	Slow refill	1.00
			Hard to pack	1.00	Cutbanks cave	0.10
946: Albaton-----	Not limited		Very limited		Very limited	
			Depth to saturated zone	1.00	Slow refill	1.00
			Hard to pack	1.00	Cutbanks cave	0.10
1137: Haynie-----	Somewhat limited Seepage	0.70	Very limited		Very limited	
			Piping	1.00	Deep to water	1.00
1144: Blake-----	Somewhat limited Seepage	0.70	Very limited		Somewhat limited	
			Depth to saturated zone	1.00	Slow refill	0.30
			Piping	0.79	Cutbanks cave	0.10

Water Management

Monona 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
1145: Onawa-----	Very limited Seepage	1.00	Very limited Depth to saturated zone	1.00	Somewhat limited Cutbanks cave	0.10
1146: Onawa-----	Very limited Seepage	1.00	Very limited Depth to saturated zone	1.00	Somewhat limited Cutbanks cave	0.10
1147: Modale-----	Somewhat limited Seepage	0.70	Somewhat limited Hard to pack Depth to saturated zone	0.99 0.95	Very limited Slow refill Cutbanks cave Deep to water	1.00 0.10 0.02
1150: Modale-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Hard to pack	1.00 0.99	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
1155: Albaton-----	Not limited		Very limited Depth to saturated zone Hard to pack	1.00 1.00	Somewhat limited Slow refill Cutbanks cave	0.43 0.10
1156: Albaton-----	Not limited		Very limited Depth to saturated zone Hard to pack	1.00 1.00	Very limited Slow refill Cutbanks cave	1.00 0.10
1157: Albaton-----	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
1220: Nodaway-----	Somewhat limited Seepage	0.70	Very limited Piping Depth to saturated zone	1.00 0.09	Somewhat limited Deep to water Slow refill Cutbanks cave	0.54 0.30 0.10

Water Management

Monona 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
1237: Sarpy-----	Very limited Seepage	1.00	Very limited Seepage	1.00	Very limited Deep to water	1.00
1237B: Sarpy-----	Very limited Seepage	1.00	Very limited Seepage	1.00	Very limited Deep to water	1.00
1514: Grable-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.99	Very limited Deep to water	1.00
1515: Percival-----	Very limited Seepage	1.00	Very limited Depth to saturated zone Seepage	1.00 0.97	Very limited Cutbanks cave	1.00
1516: Vore-----	Very limited Seepage	1.00	Somewhat limited Seepage Depth to saturated zone	0.94 0.09	Very limited Cutbanks cave Deep to water	1.00 0.54
1524: Morconick-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.99	Very limited Deep to water	1.00
1525: Scroll-----	Very limited Seepage	1.00	Very limited Depth to saturated zone Seepage	1.00 0.62	Somewhat limited Cutbanks cave	0.10
1526: Scroll-----	Very limited Seepage	1.00	Very limited Depth to saturated zone Seepage	1.00 0.62	Somewhat limited Cutbanks cave	0.10
1552: Owego-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Hard to pack	1.00 0.45	Somewhat limited Slow refill Cutbanks cave Deep to water	0.30 0.10 0.01

Water Management

Monona 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
1746: Lossing-----	Very limited Seepage	1.00	Somewhat limited		Somewhat limited	
			Piping	0.96	Deep to water	0.25
			Depth to saturated zone Seepage	0.43 0.06	Cutbanks cave	0.10
1747: Rodney-----	Very limited Seepage	1.00	Very limited		Somewhat limited	
			Depth to saturated zone	1.00	Cutbanks cave	0.10
			Hard to pack	0.65	Deep to water	0.01
1750: Ticonic-----	Very limited Seepage	1.00	Somewhat limited		Very limited	
			Seepage	0.75	Deep to water	1.00
1849: Kenmoor-----	Very limited Seepage	1.00	Somewhat limited		Very limited	
			Seepage	0.93	Cutbanks cave	1.00
			Depth to saturated zone Piping	0.09 0.03	Slow refill	1.00
				0.54		
5010: Pits, Sand And Gravel-----	Not rated		Not rated		Not rated	
5040: Orthents, Loamy-----	Not rated		Not rated		Not rated	
5044: Fluvaquents-----	Not rated		Not rated		Not rated	
5045: Aquents-----	Not rated		Not rated		Not rated	
5046: Aquents-----	Not rated		Not rated		Not rated	
5047: Aquents-----	Not rated		Not rated		Not rated	

Water Management

Monona 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
5051: Fluvaquents, Ponged-	Not rated		Not rated		Not rated	
5090: Aquents-----	Not rated		Not rated		Not rated	
Orthents-----	Not rated		Not rated		Not rated	
AW: Animal Waste-----	Not rated		Not rated		Not rated	
SL: Sewage Lagoon-----	Very limited Seepage Slope	1.00 0.50	Not limited		Very limited Deep to water	1.00
W: Water-----	Not rated		Not rated		Not rated	