

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.)

Davis 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	0.05	Very limited Depth to water	1.00
Vesser-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping	1.00 0.19	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
Zook-----	Somewhat limited Seepage	0.01	Very limited Depth to saturated zone Hard to pack	1.00 0.94	Somewhat limited Slow refill Cutbanks cave	0.95 0.10
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
51:						
Vesser-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping	1.00 0.19	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 0.19	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 0.19	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 0.19	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
54: Zook-----	Somewhat limited Seepage	0.01	Very limited Depth to saturated zone Hard to pack	1.00 0.94	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 0.59	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
56B: Cantril-----	Somewhat limited Seepage	0.70	Somewhat limited Depth to saturated zone Piping	0.43 0.06	Somewhat limited Slow refill Depth to water Cutbanks cave	0.30 0.25 0.10
58D2: Douds-----	Very limited Seepage Slope	1.00 0.01	Somewhat limited Seepage	0.10	Very limited Depth to water	1.00
65E: Lindley-----	Somewhat limited Seepage Slope	0.05 0.04	Somewhat limited Piping	0.67	Very limited Depth to water	1.00
65E2: Lindley-----	Somewhat limited Seepage Slope	0.05 0.04	Somewhat limited Piping	0.67	Very limited Depth to water	1.00
65F: Lindley-----	Somewhat limited Slope Seepage	0.45 0.05	Somewhat limited Piping	0.67	Very limited Depth to water	1.00
65F2: Lindley-----	Somewhat limited Slope Seepage	0.45 0.05	Somewhat limited Piping	0.67	Very limited Depth to water	1.00
80B: Clinton-----	Somewhat limited Seepage	0.70	Not limited		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
80C: Clinton-----	Somewhat limited Seepage	0.70	Not limited		Very limited Depth to water	1.00
80C2: Clinton-----	Somewhat limited Seepage	0.70	Not limited		Very limited Depth to water	1.00
80D2: Clinton-----	Somewhat limited Seepage Slope	0.70 0.01	Not limited		Very limited Depth to water	1.00
93D2: Adair-----	Somewhat limited Seepage Slope	0.05 0.01	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave Depth to water	0.95 0.10 0.01
Shelby-----	Somewhat limited Seepage Slope	0.05 0.01	Not limited		Very limited Depth to water	1.00
94E2: Caleb-----	Somewhat limited Seepage Slope	0.70 0.04	Somewhat limited Piping Seepage	0.28 0.01	Very limited Depth to water	1.00
Mystic-----	Very limited Seepage Slope	1.00 0.04	Somewhat limited Seepage	0.03	Somewhat limited Depth to water Cutbanks cave	0.81 0.10
130: Belinda-----	Somewhat limited Seepage	0.01	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
131B: Pershing-----	Somewhat limited Seepage	0.05	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Slow refill Depth to water Cutbanks cave	0.95 0.25 0.10

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	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
131C2: Pershing-----	Somewhat limited Seepage	0.05	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Slow refill	0.95
					Depth to water	0.25
					Cutbanks cave	0.10
132B: Weller-----	Somewhat limited Seepage	0.05	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Slow refill	0.95
					Depth to water	0.25
					Cutbanks cave	0.10
132C: Weller-----	Somewhat limited Seepage	0.05	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Slow refill	0.95
					Depth to water	0.25
					Cutbanks cave	0.10
132C2: Weller-----	Somewhat limited Seepage	0.05	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Slow refill	0.95
					Depth to water	0.25
					Cutbanks cave	0.10
179D2: Gara-----	Somewhat limited Seepage	0.05	Not limited		Very limited Depth to water	1.00
	Slope	0.01				
179E: Gara-----	Somewhat limited Seepage	0.05	Somewhat limited Piping	0.03	Very limited Depth to water	1.00
	Slope	0.04				
179E2: Gara-----	Somewhat limited Seepage	0.05	Not limited		Very limited Depth to water	1.00
	Slope	0.04				
179E3: Gara-----	Somewhat limited Seepage	0.05	Not limited		Very limited Depth to water	1.00
	Slope	0.04				

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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
179F: Gara-----	Somewhat limited Slope Seepage	 0.18 0.05	Somewhat limited Piping	 0.03	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
179F3: Gara-----	Somewhat limited Slope Seepage	 0.18 0.05	Not limited		Very limited Depth to water	 1.00
192C2: Adair-----	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
192D2: Adair-----	Somewhat limited Seepage  Slope	 0.05  0.01	Very limited Depth to saturated zone	 1.00	Somewhat limited Slow refill Cutbanks cave Depth to water	 0.95 0.10 0.01
211: Edina-----	Somewhat limited Seepage	 0.70	Very limited Depth to saturated zone Hard to pack	 1.00 0.09	Somewhat limited Slow refill Cutbanks cave	 0.30 0.10
222C2: Clarinda-----	Somewhat limited Seepage	 0.01	Very limited Depth to saturated zone Hard to pack	 1.00 0.92	Somewhat limited Slow refill Cutbanks cave Depth to water	 0.99 0.10 0.01
222C3: Clarinda-----	Not limited		Very limited Depth to saturated zone Hard to pack	 1.00 0.92	Very limited Slow refill Cutbanks cave Depth to water	 1.00 0.10 0.01

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	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
223C2: Rinda-----	Not limited		Very limited Depth to saturated zone Hard to pack	1.00 0.94	Very limited Slow refill Cutbanks cave Depth to water	1.00 0.10 0.01
223C3: Rinda-----	Not limited		Very limited Depth to saturated zone Hard to pack	1.00 0.94	Very limited Slow refill Cutbanks cave Depth to water	1.00 0.10 0.01
260: Beckwith-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone Hard to pack	1.00 0.25	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
261: Appanoose-----	Not limited		Very limited Depth to saturated zone Hard to pack	1.00 0.25	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
263: Okaw-----	Not limited		Very limited Depth to saturated zone Hard to pack	1.00 0.57	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
269: Humeston-----	Somewhat limited Seepage	0.57	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
273B: Olmitz-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.05	Very limited Depth to water	1.00
312B: Seymour-----	Somewhat limited Seepage	0.05	Somewhat limited Depth to saturated zone Hard to pack	0.43 0.35	Somewhat limited Slow refill Depth to water Cutbanks cave	0.95 0.25 0.10

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	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
312B2: Seymour-----	Somewhat limited Seepage	0.05	Somewhat limited Depth to saturated zone Hard to pack	0.43 0.30	Somewhat limited Slow refill Depth to water Cutbanks cave	0.95 0.25 0.10
313E2: Gosport-----	Somewhat limited Depth to bedrock Slope	0.11 0.02	Somewhat limited Depth to saturated zone Thin layer	0.95 0.86	Very limited Slow refill Cutbanks cave Depth to water	1.00 0.10 0.02
313G: Gosport-----	Somewhat limited Slope Depth to bedrock	0.45 0.11	Somewhat limited Depth to saturated zone Thin layer	0.95 0.86	Very limited Slow refill Cutbanks cave Depth to water	1.00 0.10 0.02
313G2: Gosport-----	Somewhat limited Slope Depth to bedrock	0.45 0.11	Somewhat limited Depth to saturated zone Thin layer	0.95 0.86	Very limited Slow refill Cutbanks cave Depth to water	1.00 0.10 0.02
362: Haig-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
364B: Grundy-----	Not limited		Somewhat limited Depth to saturated zone Hard to pack	0.95 0.68	Very limited Slow refill Cutbanks cave Depth to water	1.00 0.10 0.02
405: Floris-----	Very limited Seepage	1.00	Very limited Piping	1.00	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
423D2: Bucknell-----	Somewhat limited Slope	0.01	Very limited Depth to saturated zone Hard to pack	1.00 0.26	Very limited Slow refill Cutbanks cave Depth to water	1.00 0.10 0.01
423D3: Bucknell-----	Somewhat limited Slope	0.01	Very limited Depth to saturated zone Hard to pack	1.00 0.26	Very limited Slow refill Cutbanks cave Depth to water	1.00 0.10 0.01
424D2: Lindley-----	Somewhat limited Seepage Slope	0.05 0.01	Somewhat limited Piping	0.57	Very limited Depth to water	1.00
Keswick-----	Somewhat limited Seepage Slope	0.05 0.01	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave Depth to water	0.95 0.10 0.01
424E2: Lindley-----	Somewhat limited Seepage Slope	0.05 0.04	Somewhat limited Piping	0.57	Very limited Depth to water	1.00
Keswick-----	Somewhat limited Seepage Slope	0.05 0.04	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave Depth to water	0.95 0.10 0.01
425C: Keswick-----	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
425C2: Keswick-----	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

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	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
425D: Keswick-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill	0.95
	Slope	0.01			Cutbanks cave Depth to water	0.10 0.01
425D2: Keswick-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill	0.95
	Slope	0.01			Cutbanks cave Depth to water	0.10 0.01
425D3: Keswick-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill	0.95
	Slope	0.01			Cutbanks cave Depth to water	0.10 0.01
430: Ackmore-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping	1.00 0.07	Somewhat limited Slow refill Cutbanks cave Depth to water	0.30 0.10 0.01
451D2: Caleb-----	Somewhat limited Seepage Slope	0.70 0.01	Somewhat limited Piping Seepage	0.28 0.01	Very limited Depth to water	1.00
452C2: Lineville-----	Not limited		Very limited Depth to saturated zone	1.00	Very limited Slow refill Cutbanks cave Depth to water	1.00 0.10 0.01
453: Tuskeego-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave	0.30 0.10

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484: Lawson-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping	1.00 1.00	Somewhat limited Slow refill Cutbanks cave Depth to water	0.30 0.10 0.01
520: Coppock-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping	1.00 0.05	Somewhat limited Slow refill Cutbanks cave Depth to water	0.30 0.10 0.01
520B: Coppock-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping	1.00 0.05	Somewhat limited Slow refill Cutbanks cave Depth to water	0.30 0.10 0.01
531B: Kniffin-----	Somewhat limited Seepage	0.05	Somewhat limited Depth to saturated zone Hard to pack	0.43 0.16	Somewhat limited Slow refill Depth to water Cutbanks cave	0.95 0.25 0.10
531C: Kniffin-----	Somewhat limited Seepage	0.05	Somewhat limited Depth to saturated zone Hard to pack	0.43 0.16	Somewhat limited Slow refill Depth to water Cutbanks cave	0.95 0.25 0.10
531C2: Kniffin-----	Somewhat limited Seepage	0.05	Somewhat limited Depth to saturated zone Hard to pack	0.43 0.28	Somewhat limited Slow refill Depth to water Cutbanks cave	0.95 0.25 0.10
532B: Rathbun-----	Somewhat limited Seepage	0.05	Somewhat limited Depth to saturated zone Hard to pack	0.43 0.09	Somewhat limited Slow refill Depth to water Cutbanks cave	0.95 0.25 0.10

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	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
532C: Rathbun-----	Somewhat limited Seepage	0.05	Somewhat limited Depth to saturated zone Hard to pack	0.43 0.09	Somewhat limited Slow refill Depth to water Cutbanks cave	0.95 0.25 0.10
532C2: Rathbun-----	Somewhat limited Seepage	0.05	Somewhat limited Depth to saturated zone Hard to pack	0.43 0.38	Somewhat limited Slow refill Depth to water Cutbanks cave	0.95 0.25 0.10
587: Chequest-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone Hard to pack	1.00 0.07	Somewhat limited Slow refill Cutbanks cave	0.95 0.10
592C2: Mystic-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.03	Somewhat limited Depth to water Cutbanks cave	0.81 0.10
592D2: Mystic-----	Very limited Seepage Slope	1.00 0.01	Somewhat limited Seepage	0.03	Somewhat limited Depth to water Cutbanks cave	0.81 0.10
592D3: Mystic-----	Very limited Seepage Slope	1.00 0.01	Somewhat limited Seepage	0.03	Somewhat limited Depth to water Cutbanks cave	0.81 0.10
594C2: Galland-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.01	Somewhat limited Depth to water Cutbanks cave	0.81 0.10
594D2: Galland-----	Very limited Seepage Slope	1.00 0.01	Not limited		Somewhat limited Depth to water Cutbanks cave	0.81 0.10

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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
Amana-----	Somewhat limited Seepage	0.70	Somewhat limited Depth to saturated zone Piping	0.43 0.07	Somewhat limited Slow refill Depth to water Cutbanks cave	0.30 0.25 0.10
730B: 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
Cantril-----	Somewhat limited Seepage	0.70	Somewhat limited Depth to saturated zone Piping	0.43 0.06	Somewhat limited Slow refill Depth to water Cutbanks cave	0.30 0.25 0.10
792C: Armstrong-----	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
792C2: Armstrong-----	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
792C3: Armstrong-----	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

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792D: 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 Depth to water	0.10 0.01
792D2: 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 Depth to water	0.10 0.01
792D3: 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 Depth to water	0.10 0.01
795D2: Ashgrove-----	Somewhat limited Slope	0.01	Very limited Depth to saturated zone Hard to pack	1.00 0.44	Very limited Slow refill	1.00
					Cutbanks cave Depth to water	0.10 0.01
822D2: Lamoni-----	Somewhat limited Slope	0.01	Very limited Depth to saturated zone	1.00	Very limited Slow refill	1.00
					Cutbanks cave Depth to water	0.10 0.01
831B: Pershing-----	Somewhat limited Seepage	0.05	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Slow refill	0.95
					Depth to water Cutbanks cave	0.25 0.10
831C2: Pershing-----	Somewhat limited Seepage	0.05	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Slow refill	0.95
					Depth to water Cutbanks cave	0.25 0.10

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832B: Weller-----	Somewhat limited Seepage	0.05	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Slow refill	0.95
					Depth to water	0.25
					Cutbanks cave	0.10
832C2: Weller-----	Somewhat limited Seepage	0.05	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Slow refill	0.95
					Depth to water	0.25
					Cutbanks cave	0.10
993D2: Gara-----	Somewhat limited Seepage	0.05	Not limited		Very limited Depth to water	1.00
	Slope	0.01				
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	0.10
					Depth to water	0.01
993D3: Gara-----	Somewhat limited Seepage	0.05	Not limited		Very limited Depth to water	1.00
	Slope	0.01				
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	0.10
					Depth to water	0.01
994E2: Douds-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.10	Very limited Depth to water	1.00
	Slope	0.04				
Galland-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.01	Somewhat limited Depth to water	0.81
	Slope	0.04			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
1130: Belinda-----	Somewhat limited Seepage	0.01	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
1139: Perks Variant-----	Very limited Seepage	1.00	Very limited Piping Seepage	1.00 0.28	Very limited Cutbanks cave Depth to water Slow refill	1.00 0.81 0.30
1260: Beckwith-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone Hard to pack	1.00 0.25	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
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
Lawson-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping Seepage	1.00 1.00 0.02	Somewhat limited Slow refill Cutbanks cave Depth to water	0.30 0.10 0.01
Ackmore-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping	1.00 0.07	Somewhat limited Slow refill Cutbanks cave Depth to water	0.30 0.10 0.01
1977: Richwood Variant----	Very limited Seepage	1.00	Very limited Piping	1.00	Very limited Depth to water	1.00
5010: Pits-----	Not rated		Not rated		Not rated	

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.)

Davis 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
5020: Pits-----	Not rated		Not rated		Not rated	
5021: Orthents-----	Not rated		Not rated		Not rated	
5030: Pits-----	Not rated		Not rated		Not rated	
5040: Orthents-----	Not rated		Not rated		Not rated	
W: Water-----	Not rated		Not rated		Not rated	

