

FIELD OFFICE TECHNICAL GUIDE Sec. II
WASTE DISPOSAL INTERPRETATIONS

Sanitary Facilities - Part 1.

(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	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Rating class and limiting features	Value	Rating class and limiting features	Value
13B: Olmitz-----	40	Very limited Depth to saturated zone restricted permeability	1.00 0.25	Somewhat limited Depth to saturated zone Seepage Slope	0.71 0.50 0.32
Zook-----	30	Very limited Flooding Depth to saturated zone Restricted permeability	1.00 1.00 0.99	Very limited Depth to saturated zone Flooding	1.00 1.00
Vesser-----	20	Very limited Depth to saturated zone Flooding restricted permeability	1.00 0.40 0.25	Very limited Depth to saturated zone Seepage Flooding Slope	1.00 0.50 0.40 0.32
23C: Arispe-----	90	Very limited Depth to saturated zone Restricted permeability	1.00 0.99	Very limited Depth to saturated zone Slope Seepage	1.00 1.00 0.50
23C2: Arispe-----	90	Very limited Depth to saturated zone Restricted permeability	1.00 0.99	Very limited Depth to saturated zone Slope Seepage	1.00 1.00 0.50
24D: Shelby-----	90	Somewhat limited Restricted permeability Slope	0.91 0.63	Very limited Slope	1.00

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Map symbol and soil name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Rating class and limiting features	Value	Rating class and limiting features	Value
24D2: Shelby-----	90	Somewhat limited Restricted permeability Slope	0.91 0.63	Very limited Slope	1.00
24E2: Shelby-----	90	Very limited Slope Restricted permeability	1.00 0.91	Very limited Slope	1.00
24F2: Shelby-----	90	Very limited Slope Restricted permeability	1.00 0.91	Very limited Slope	1.00
43: Bremer-----	100	Very limited Depth to saturated zone Restricted permeability Flooding	1.00 0.91 0.40	Very limited Depth to saturated zone Flooding	1.00 0.40
51: Vesser-----	90	Very limited Flooding Depth to saturated zone restricted permeability	1.00 1.00 0.25	Very limited Depth to saturated zone Flooding Seepage	1.00 1.00 0.50
51B: Vesser-----	90	Very limited Depth to saturated zone Flooding restricted permeability	1.00 0.40 0.25	Very limited Depth to saturated zone Seepage Flooding Slope	1.00 0.50 0.40 0.32

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Map symbol and soil name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Rating class and limiting features	Value	Rating class and limiting features	Value
54: Zook-----	90	Very limited Flooding	1.00	Very limited Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Flooding	1.00
		Restricted permeability	0.99		
54+: Zook-----	100	Very limited		Very limited	
		Flooding	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Flooding	1.00
		Restricted permeability	0.99		
56B: Cantril-----	95	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		restricted permeability	0.35	Seepage	0.50
				Slope	0.32
56C: Cantril-----	100	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		restricted permeability	0.35	Slope	1.00
				Seepage	0.50
58E: Douds-----	95	Very limited Slope	1.00	Very limited Slope	1.00
		Depth to saturated zone	1.00	Seepage	1.00
		restricted permeability	0.35	Depth to saturated zone	0.71

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		Rating class and limiting features	Value	Rating class and limiting features	Value
58E2: Douds-----	95	Very limited Slope Depth to saturated zone restricted permeability	1.00 1.00 0.35	Very limited Slope Seepage Depth to saturated zone	1.00 1.00 0.71
65D: Lindley-----	95	Very limited Restricted permeability Slope	1.00 0.63	Very limited Slope	1.00
65E: Lindley-----	95	Very limited Slope Restricted permeability	1.00 1.00	Very limited Slope	1.00
65E2: Lindley-----	95	Very limited Slope Restricted permeability	1.00 1.00	Very limited Slope	1.00
65F2: Lindley-----	95	Very limited		Very limited	
		Slope Restricted permeability	1.00 1.00	Slope	1.00
65G: Lindley-----	95	Very limited Slope Restricted permeability	1.00 1.00	Very limited Slope	1.00
88: Nevin-----	95	Very limited Depth to saturated zone Flooding	1.00 0.40	Very limited Depth to saturated zone Seepage	1.00 0.50

	restricted permeability	0.25	Flooding	0.40
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Map symbol and soil name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Rating class and limiting features	Value	Rating class and limiting features	Value
94E: Caleb-----	70	Very limited Slope Depth to saturated zone restricted permeability	1.00 1.00 0.35	Very limited Slope Depth to saturated zone Seepage	1.00 0.71 0.50
Mystic-----	30	Very limited Depth to saturated zone Slope restricted permeability	1.00 0.63 0.35	Very limited Depth to saturated zone Slope Seepage	1.00 1.00 0.50
94E2: Caleb-----	70	Very limited Slope Depth to saturated zone restricted permeability	1.00 1.00 0.35	Very limited Slope Depth to saturated zone Seepage	1.00 0.71 0.50
Mystic-----	30	Very limited Depth to saturated zone Slope restricted permeability	1.00 0.63 0.35	Very limited Depth to saturated zone Slope Seepage	1.00 1.00 0.50
131B: Pershing-----	95	Very limited Restricted permeability Depth to saturated zone	1.00 1.00	Very limited Depth to saturated zone Slope	1.00 0.32
131C: Pershing-----	90	Very limited Restricted permeability Depth to	1.00 1.00	Very limited Depth to saturated zone Slope	1.00 1.00

	saturated zone	
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Map symbol and soil name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Rating class and limiting features	Value	Rating class and limiting features	Value
131C2: Pershing-----	90	Very limited Restricted permeability Depth to saturated zone	1.00 1.00	Very limited Depth to saturated zone Slope	1.00 1.00
132C: Weller-----	90	Very limited Restricted permeability Depth to saturated zone	1.00 1.00	Very limited Slope Depth to saturated zone	1.00 0.75
132C2: Weller-----	90	Very limited Restricted permeability Depth to saturated zone	1.00 1.00	Very limited Slope Depth to saturated zone	1.00 0.75
172: Wabash-----	95	Very limited Flooding Depth to saturated zone Restricted permeability Ponding	1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Flooding Ponding	1.00 1.00 1.00
179D2: Gara-----	90	Very limited Restricted permeability Slope	1.00 0.63	Very limited Slope	1.00
179E: Gara-----	90	Very limited Slope Restricted	1.00 1.00	Very limited Slope	1.00

	permeability	
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Map symbol and soil name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Rating class and limiting features	Value	Rating class and limiting features	Value
179E2: Gara-----	90	Very limited Slope Restricted permeability	1.00 1.00	Very limited Slope	1.00
179F: Gara-----	95	Very limited Slope Restricted permeability	1.00 1.00	Very limited Slope	1.00
179F2: Gara-----	95	Very limited Slope Restricted permeability	1.00 1.00	Very limited Slope	1.00
192C: Adair-----	95	Very limited Depth to saturated zone Restricted permeability	1.00 0.99	Very limited Depth to saturated zone Slope	1.00 1.00
192C2: Adair-----	95	Very limited Depth to saturated zone Restricted permeability	1.00 0.99	Very limited Depth to saturated zone Slope	1.00 1.00
192D2: Adair-----	95	Very limited Depth to saturated zone Restricted permeability Slope	1.00 0.99 0.63	Very limited Depth to saturated zone Slope	1.00 1.00

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Map symbol and soil name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Rating class and limiting features	Value	Rating class and limiting features	Value
208: Klum-----	85	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Flooding Seepage Depth to saturated zone	1.00 1.00 0.71
211: Edina-----	100	Very limited Depth to saturated zone Restricted permeability	1.00 1.00	Very limited Depth to saturated zone Seepage	1.00 0.50
220: Nodaway-----	90	Very limited Flooding Depth to saturated zone restricted permeability	1.00 1.00 0.25	Very limited Flooding Depth to saturated zone Seepage	1.00 0.71 0.50
222C: Clarinda-----	90	Very limited Depth to saturated zone Restricted permeability	1.00 1.00	Very limited Depth to saturated zone Slope	1.00 1.00
222C2: Clarinda-----	90	Very limited Depth to saturated zone Restricted permeability	1.00 1.00	Very limited Depth to saturated zone Slope	1.00 1.00
222D2: Clarinda-----	90	Very limited		Very limited	

	Depth to saturated zone	1.00	Depth to saturated zone	1.00
	Restricted permeability	1.00	Slope	1.00
	Slope	0.63		

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Map symbol and soil name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Rating class and limiting features	Value	Rating class and limiting features	Value
223C2:					
Rinda-----	95	Very limited Restricted permeability Depth to saturated zone	1.00 1.00	Very limited Depth to saturated zone Slope	1.00 1.00
223D2: Rinda-----	95	Very limited Restricted permeability Depth to saturated zone Slope	1.00 1.00 0.63	Very limited Depth to saturated zone Slope	1.00 1.00
232C: Keswick-----	95	Very limited Restricted permeability Depth to saturated zone	1.00 1.00	Very limited Depth to saturated zone Slope	1.00 1.00
232C2: Keswick-----	95	Very limited Restricted permeability Depth to saturated zone	1.00 1.00	Very limited Depth to saturated zone Slope	1.00 1.00
269: Humeston-----	95	Very limited Depth to saturated zone Restricted permeability	1.00 1.00	Very limited Depth to saturated zone Seepage	1.00 0.32
273B:					

Olmitz-----	95	Very limited		Somewhat limited	
		Depth to saturated zone	1.00	Depth to saturated zone	0.71
		restricted permeability	0.25	Seepage	0.50
				Slope	0.32

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		Rating class and limiting features	Value	Rating class and limiting features	Value
273C: Olmitz-----	95	Very limited Depth to saturated zone restricted permeability	1.00 0.25	Very limited Slope Depth to saturated zone Seepage	1.00 0.71 0.50
312B: Seymour-----	95	Very limited Depth to saturated zone Restricted permeability	1.00 1.00	Very limited Depth to saturated zone Slope	1.00 0.32
312C: Seymour-----	95	Very limited Depth to saturated zone Restricted permeability	1.00 1.00	Very limited Depth to saturated zone Slope	1.00 1.00
312C2: Seymour-----	95	Very limited Depth to saturated zone Restricted permeability	1.00 1.00	Very limited Depth to saturated zone Slope	1.00 1.00
362: Haig-----	95	Very limited Depth to saturated zone Restricted permeability	1.00 0.99	Very limited Depth to saturated zone Seepage	1.00 0.50

364B: Grundy-----	95	Very limited Depth to saturated zone Restricted permeability	1.00 0.99	Very limited Depth to saturated zone Slope	1.00 0.32
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Map symbol and soil name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Rating class and limiting features	Value	Rating class and limiting features	Value
423C2: Bucknell-----	100	Very limited Restricted permeability Depth to saturated zone	1.00 1.00	Very limited Depth to saturated zone Slope	1.00 1.00
423D2: Bucknell-----	90	Very limited Restricted permeability Depth to saturated zone Slope	1.00 1.00 0.63	Very limited Depth to saturated zone Slope	1.00 1.00
425C: Keswick-----	90	Very limited Restricted permeability Depth to saturated zone	1.00 1.00	Very limited Depth to saturated zone Slope	1.00 1.00
425D: Keswick-----	90	Very limited Restricted permeability Depth to saturated zone Slope	1.00 1.00 0.63	Very limited Depth to saturated zone Slope	1.00 1.00
425D2: Keswick-----	90	Very limited Restricted	1.00	Very limited Depth to	1.00

		permeability		saturated zone	
		Depth to saturated zone	1.00	Slope	1.00
		Slope	0.63		
425D3: Keswick-----	90	Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Restricted permeability	1.00	Slope	1.00
		Slope	0.63		

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Map symbol and soil name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Rating class and limiting features	Value	Rating class and limiting features	Value
451C2: Caleb-----	95	Very limited		Very limited	
		Depth to saturated zone	1.00	Slope	1.00
		restricted permeability	0.35	Depth to saturated zone	0.71
				Seepage	0.50
451D2: Caleb-----	95	Very limited		Very limited	
		Depth to saturated zone	1.00	Slope	1.00
		Slope	0.63	Depth to saturated zone	0.71
		restricted permeability	0.35	Seepage	0.50
451E2: Caleb-----	95	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	0.71
		restricted permeability	0.35	Seepage	0.50
452C: Lineville-----	95	Very limited		Very limited	
		Restricted permeability	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Slope	1.00

452C2: Lineville-----	95	Very limited Restricted	1.00	Very limited Depth to	1.00
		permeability Depth to saturated zone	1.00	saturated zone Slope	1.00
453: Tuskeego-----	95	Very limited Restricted permeability Depth to saturated zone Flooding	1.00 1.00 0.40	Very limited Depth to saturated zone Flooding	1.00 0.40

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Map symbol and soil name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Rating class and limiting features	Value	Rating class and limiting features	Value
484: Lawson-----	90	Very limited Flooding	1.00	Very limited Depth to saturated zone	1.00
		Depth to saturated zone restricted permeability	1.00 0.25	Flooding Seepage	1.00 0.50
520: Coppock-----	95	Very limited Flooding	1.00	Very limited Depth to saturated zone	1.00
		Depth to saturated zone restricted permeability	1.00 0.35	Flooding Seepage	1.00 0.50
520B: Coppock-----	95	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Flooding restricted permeability	0.40 0.35	Seepage Flooding Slope	0.50 0.40 0.32
531B: Kniffin-----	95	Very limited Restricted	1.00	Very limited Depth to	1.00

531C: Kniffin-----	95	permeability	1.00	saturated zone	0.32
		Depth to saturated zone		Slope	
		Very limited		Very limited	
531C: Kniffin-----	95	Restricted permeability	1.00	Depth to saturated zone	1.00
		Depth to saturated zone		Slope	

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		Rating class and limiting features	Value	Rating class and limiting features	Value
531C2: Kniffin-----	95	Very limited	1.00	Very limited	1.00
		Restricted permeability		Depth to saturated zone	
532C: Rathbun-----	95	Very limited	1.00	Very limited	1.00
		Restricted permeability		Depth to saturated zone	
532C2: Rathbun-----	95	Very limited	1.00	Very limited	1.00
		Restricted permeability		Depth to saturated zone	
587: Chequest-----	95	Very limited	1.00	Very limited	1.00
		Flooding		Depth to saturated zone	
		Depth to saturated zone		Flooding	
		Restricted permeability	0.91		

592C: Mystic-----	95	Very limited Restricted permeability Depth to saturated zone	1.00 1.00	Very limited Depth to saturated zone Slope Seepage	1.00 1.00 0.50
592C2: Mystic-----	95	Very limited Restricted permeability Depth to saturated zone	1.00 1.00	Very limited Depth to saturated zone Slope Seepage	1.00 1.00 0.50

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		Rating class and limiting features	Value	Rating class and limiting features	Value
592D2: Mystic-----	95	Very limited Restricted permeability Depth to saturated zone Slope	1.00 1.00 0.63	Very limited Depth to saturated zone Slope Seepage	1.00 1.00 0.50
594D: Galland-----	95	Very limited Restricted permeability Depth to saturated zone Slope	1.00 1.00 0.63	Very limited Depth to saturated zone Slope Seepage	1.00 1.00 1.00
594D2: Galland-----	95	Very limited Restricted permeability Depth to saturated zone Slope	1.00 1.00 0.63	Very limited Depth to saturated zone Slope Seepage	1.00 1.00 1.00
678G: Gasconade-----	75	Very limited Depth to bedrock	1.00	Very limited Depth to hard	1.00

				bedrock	
		Slope	1.00	Slope	1.00
		Content of large stones	0.78	Content of large stones	1.00
715: Nodaway-----	50	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	0.71
		restricted permeability	0.25	Seepage	0.50

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		Rating class and limiting features	Value	Rating class and limiting features	Value
Lawson-----	30	Very limited Flooding	1.00	Very limited Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Flooding	1.00
		restricted permeability	0.25	Seepage	0.50
Klum-----	15	Very limited Flooding	1.00	Very limited Flooding	1.00
		Depth to saturated zone	1.00	Seepage	1.00
				Depth to saturated zone	0.71
730C: Cantril-----	40	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		restricted permeability	0.35	Slope	1.00
				Seepage	0.50
Coppock-----	30	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00

		Flooding	0.40	Seepage	0.50
		restricted permeability	0.35	Flooding	0.40
				Slope	0.32
Nodaway-----	20	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	0.71
		restricted permeability	0.25	Seepage	0.50
				Slope	0.08
792C: Armstrong-----	95	Very limited		Very limited	
		Restricted permeability	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Slope	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
792C2: Armstrong-----	95	Very limited		Very limited	
		Restricted permeability	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Slope	1.00
792D: Armstrong-----	90	Very limited		Very limited	
		Restricted permeability	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Slope	1.00
		Slope	0.63		
792D2: Armstrong-----	90	Very limited		Very limited	
		Restricted permeability	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Slope	1.00
		Slope	0.63		
792D3: Armstrong-----	90	Very limited		Very limited	

		Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Restricted permeability	1.00	Slope	1.00
		Slope	0.63		
822C2: Lamoni-----	90	Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Restricted permeability	0.99	Slope	1.00
822D2: Lamoni-----	90	Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Restricted permeability	0.99	Slope	1.00
		Slope	0.63		

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(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	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Rating class and limiting features	Value	Rating class and limiting features	Value
831C2: Pershing-----	90	Very limited		Very limited	
		Restricted permeability	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Slope	1.00
832C2: Weller-----	90	Very limited		Very limited	
		Restricted permeability	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Slope	1.00
994E: Douds-----	65	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Depth to saturated zone	1.00	Seepage	1.00
		restricted permeability	0.35	Depth to saturated zone	0.71
Galland-----	35	Very limited		Very limited	
		Restricted	1.00	Depth to	1.00

		permeability		saturated zone	
		Depth to saturated zone	1.00	Slope	1.00
		Slope	0.63	Seepage	1.00
994E2:					
Douds-----	65	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Depth to saturated zone	1.00	Seepage	1.00
		restricted permeability	0.35	Depth to saturated zone	0.71
Galland-----	35	Very limited		Very limited	
		Restricted permeability	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Slope	1.00
		Slope	0.63	Seepage	1.00

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Decatur County, Iowa

Map symbol and soil name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Rating class and limiting features	Value	Rating class and limiting features	Value
1130: Belinda-----	90	Very limited		Very limited	
		Restricted permeability	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00		
1131B: Pershing-----	95	Very limited		Very limited	
		Restricted	1.00	Depth to	1.00
		permeability		saturated zone	
		Depth to saturated zone	1.00	Slope	0.32
1131C: Pershing-----	90	Very limited		Very limited	
		Restricted permeability	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Slope	1.00
1132C:					

Weller-----	90	Very limited Restricted permeability Depth to saturated zone	1.00 1.00	Very limited Depth to saturated zone Slope	1.00 0.32
1715: Nodaway-----	40	Very limited Flooding Depth to saturated zone restricted permeability	1.00 1.00 0.25	Very limited Flooding Depth to saturated zone Seepage	1.00 0.71 0.50
Klum-----	30	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Flooding Seepage Depth to saturated zone	1.00 1.00 0.71

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Decatur County, Iowa

Map symbol and soil name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Lawson-----	15	Very limited Flooding Depth to saturated zone restricted permeability	1.00 1.00 0.25	Very limited Depth to saturated zone Flooding Seepage	1.00 1.00 0.50
5030: Limestone-----	100	Not rated		Not rated	
5040: Orthents-----	100	Not rated		Not rated	
AW:					

Animal Waste-----	100	Not rated	Not rated
SL: Sewage Lagoon-----	100	Not rated	Not rated
W: Water-----	100	Not rated	Not rated