

Soil Features

(See text for definitions of terms used in this table. Absence of an entry indicates that the feature is not a concern or that data were not estimated.)

Decatur County, Iowa

Map symbol and soil name	Restrictive layer			Subsidence		Potential for frost action	Risk of corrosion		
	Kind	Depth to top	Thickness	Hardness	Initial		Total	Uncoated steel	Concrete
		In	In		In	In			
13B: Olmitz-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
Zook-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
Vesser-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
23C: Arispe-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
23C2: Arispe-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
24D: Shelby-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
24D2: Shelby-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
24E2: Shelby-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
24F2: Shelby-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
43: Bremer-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
51: Vesser-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
51B: Vesser-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
54: Zook-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.

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		In	In		In	In			
54+: Zook-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
56B: Cantril-----	---	> 80	---	---	---	---	High-----	Moderate----	Low.
56C: Cantril-----	---	> 80	---	---	---	---	High-----	Moderate----	Low.
58E: Douds-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
58E2: Douds-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
65D: Lindley-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
65E: Lindley-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
65E2: Lindley-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
65F2: Lindley-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
65G: Lindley-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
88: Nevin-----	---	> 80	---	---	---	---	High-----	High-----	Low.
94E: Caleb-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
Mystic-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.

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		In	In		In	In			
94E2: Caleb-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
Mystic-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
131B: Pershing-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
131C: Pershing-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
131C2: Pershing-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
132C: Weller-----	---	> 80	---	---	---	---	High-----	High-----	High.
132C2: Weller-----	---	> 80	---	---	---	---	High-----	High-----	High.
172: Wabash-----	---	> 80	---	---	---	---	Moderate----	High-----	Moderate.
179D2: Gara-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
179E: Gara-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
179E2: Gara-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
179F: Gara-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
179F2: Gara-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.

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	Kind	Depth to top	Thickness	Hardness	Initial		Total	Uncoated steel	Concrete
		In	In		In	In			
192C: Adair-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
192C2: Adair-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
192D2: Adair-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
208: Klum-----	---	> 80	---	---	---	---	Moderate---	Low-----	Low.
211: Edina-----	---	> 80	---	---	---	---	Moderate---	High-----	Moderate.
220: Nodaway-----	---	> 80	---	---	---	---	High-----	Moderate---	Low.
222C: Clarinda-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
222C2: Clarinda-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
222D2: Clarinda-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
223C2: Rinda-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
223D2: Rinda-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
232C: Keswick-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
232C2: Keswick-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.

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	Kind	Depth to top	Thickness	Hardness	Initial		Total	Uncoated steel	Concrete
		In	In		In	In			
269: Humeston-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
273B: Olmitz-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
273C: Olmitz-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
312B: Seymour-----	---	> 80	---	---	---	---	Moderate----	High-----	Moderate.
312C: Seymour-----	---	> 80	---	---	---	---	Moderate----	High-----	Moderate.
312C2: Seymour-----	---	> 80	---	---	---	---	Moderate----	High-----	Moderate.
362: Haig-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
364B: Grundy-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
423C2: Bucknell-----	---	> 80	---	---	---	---	Moderate----	High-----	Moderate.
423D2: Bucknell-----	---	> 80	---	---	---	---	Moderate----	High-----	Moderate.
425C: Keswick-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
425D: Keswick-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
425D2: Keswick-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.

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	Kind	Depth to top	Thickness	Hardness	Initial		Total	Uncoated steel	Concrete
		In	In		In	In			
425D3: Keswick-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
451C2: Caleb-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
451D2: Caleb-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
451E2: Caleb-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
452C: Lineville-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
452C2: Lineville-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
453: Tuskeego-----	---	> 80	---	---	---	---	Moderate----	High-----	Moderate.
484: Lawson-----	---	> 80	---	---	---	---	High-----	Moderate----	Low.
520: Coppock-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
520B: Coppock-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
531B: Kniffin-----	---	> 80	---	---	---	---	Moderate----	High-----	Moderate.
531C: Kniffin-----	---	> 80	---	---	---	---	Moderate----	High-----	Moderate.
531C2: Kniffin-----	---	> 80	---	---	---	---	Moderate----	High-----	Moderate.

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	Kind	Depth to top	Thickness	Hardness	Initial		Total	Uncoated steel	Concrete
		In	In		In	In			
532C: Rathbun-----	---	> 80	---	---	---	---	Moderate----	High-----	Moderate.
532C2: Rathbun-----	---	> 80	---	---	---	---	Moderate----	High-----	Moderate.
587: Chequest-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
592C: Mystic-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
592C2: Mystic-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
592D2: Mystic-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
594D: Galland-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
594D2: Galland-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
678G: Gasconade-----	Bedrock (lithic)	4- 20	---	---	---	---	Moderate----	High-----	Low.
715: Nodaway-----	---	> 80	---	---	---	---	High-----	Moderate----	Low.
Lawson-----	---	> 80	---	---	---	---	High-----	Moderate----	Low.
Klum-----	---	> 80	---	---	---	---	Moderate----	Low-----	Low.

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	Kind	Depth to top	Thickness	Hardness	Initial		Total	Uncoated steel	Concrete
		In	In		In	In			
730C: Cantril-----	---	> 80	---	---	---	---	High-----	Moderate----	Low.
Coppock-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
Nodaway-----	---	> 80	---	---	---	---	High-----	Moderate----	Low.
792C: Armstrong-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
792C2: Armstrong-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
792D: Armstrong-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
792D2: Armstrong-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
792D3: Armstrong-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
822C2: Lamoni-----	---	> 80	---	---	---	---	Moderate----	High-----	Moderate.
822D2: Lamoni-----	---	> 80	---	---	---	---	Moderate----	High-----	Moderate.
831C2: Pershing-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
832C2: Weller-----	---	> 80	---	---	---	---	High-----	High-----	High.
994E: Douds-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
Galland-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.

