

Building Site Development

(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.)

Wapello County, Iowa

| Map symbol and soil name | Pct. of map unit | Local roads and streets | | Shallow excavations | | Lawns and landscaping | |
|--------------------------|------------------|---|--------------------------------------|---|--------------|---|--------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 7: Wiota----- | 90 | Very limited Frost action Low strength Shrink-swell | 1.00 1.00 0.50 | Not limited | | Not limited | |
| 11B: Colo----- | 60 | Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell | 1.00 1.00 1.00 1.00 0.50 | Very limited Depth to saturated zone Flooding | 1.00 0.80 | Very limited Flooding Depth to saturated zone | 1.00 1.00 |
| Ely----- | 30 | Very limited Frost action Low strength Shrink-swell | 1.00 1.00 0.50 | Very limited Depth to saturated zone | 0.95 | Not limited | |
| 13B: Humeston----- | 40 | Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell | 1.00 1.00 1.00 1.00 1.00 | Very limited Depth to saturated zone Flooding | 1.00 0.80 | Very limited Flooding Depth to saturated zone | 1.00 1.00 |
| Colo----- | 25 | Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell | 1.00 1.00 1.00 1.00 0.50 | Very limited Depth to saturated zone Flooding | 1.00 0.80 | Very limited Flooding Depth to saturated zone | 1.00 1.00 |

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|--------------------------|------------------|------------------------------------|-------|---|--------------|------------------------------------|--------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| Vesser----- | 25 | Very limited Frost action | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Flooding | 1.00 |
| | | Flooding | 1.00 | Flooding | 0.80 | Depth to saturated zone | 0.19 |
| | | Low strength Shrink-swell | 0.50 | | | | |
| | | Depth to saturated zone | 0.19 | | | | |
| 23C: Arispe----- | 90 | Very limited Frost action | 1.00 | Very limited Depth to saturated zone | 0.95 | Not limited | |
| | | Low strength Shrink-swell | 1.00 | | | | |
| 23C2: Arispe----- | 90 | Very limited Frost action | 1.00 | Very limited Depth to saturated zone | 0.95 | Not limited | |
| | | Low strength Shrink-swell | 1.00 | | | | |
| 41B: Sparta----- | 95 | Not limited | | Very limited cutbanks cave | 0.90 | Somewhat limited Droughty | 0.02 |
| 41C: Sparta----- | 95 | Not limited | | Very limited cutbanks cave | 0.90 | Somewhat limited Droughty | 0.02 |
| 41E: Sparta----- | 95 | Very limited Slope | 1.00 | Very limited Slope cutbanks cave | 1.00 0.90 | Very limited Slope Droughty | 1.00 0.02 |
| 51: Vesser----- | 95 | Very limited Frost action | 1.00 | Very limited Depth to saturated zone | 1.00 | Somewhat limited Flooding | 0.60 |
| | | Flooding | 1.00 | Flooding | 0.60 | Depth to saturated zone | 0.19 |
| | | Low strength Shrink-swell | 0.50 | | | | |
| | | Depth to saturated zone | 0.19 | | | | |

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|-----------------------------|---------------------------|--|--------------------------------------|--|----------------------|--|--------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 54: Zook----- | 95 | Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell | 1.00 1.00 1.00 1.00 1.00 | Very limited Depth to saturated zone Flooding Too clayey | 1.00 0.60 0.01 | Very limited Depth to saturated zone Flooding | 1.00 0.60 |
| 56B: Cantril----- | 90 | Very limited Frost action Low strength Shrink-swell | 1.00 1.00 0.50 | Very limited Depth to saturated zone | 0.95 | Not limited | |
| 58D2: Douds----- | 90 | Somewhat limited Slope Shrink-swell Frost action | 0.63 0.50 0.50 | Somewhat limited Slope Depth to saturated zone | 0.63 0.15 | Somewhat limited Slope | 0.63 |
| 58E: Douds----- | 85 | Very limited Slope Shrink-swell Frost action | 1.00 0.50 0.50 | Very limited Slope Depth to saturated zone | 1.00 0.15 | Very limited Slope | 1.00 |
| 58E2: Douds----- | 90 | Very limited Slope Shrink-swell Frost action | 1.00 0.50 0.50 | Very limited Slope Depth to saturated zone | 1.00 0.15 | Very limited Slope | 1.00 |
| 58G: Douds----- | 90 | Very limited Slope Shrink-swell Frost action | 1.00 0.50 0.50 | Very limited Slope Depth to saturated zone | 1.00 0.15 | Very limited Slope | 1.00 |

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| Map symbol and soil name | Pct. of map unit | Local roads and streets | | Shallow excavations | | Lawns and landscaping | |
|--------------------------|------------------|---|------------------------------|---|-------|------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 65E: Lindley----- | 85 | Very limited Slope Low strength Shrink-swell Frost action | 1.00 1.00 0.50 0.50 | Very limited Slope | 1.00 | Very limited Slope | 1.00 |
| 65E2: Lindley----- | 85 | Very limited Slope Low strength Shrink-swell Frost action | 1.00 1.00 0.50 0.50 | Very limited Slope | 1.00 | Very limited Slope | 1.00 |
| 65F: Lindley----- | 85 | Very limited Slope Low strength Shrink-swell Frost action | 1.00 1.00 0.50 0.50 | Very limited Slope | 1.00 | Very limited Slope | 1.00 |
| 65G: Lindley----- | 90 | Very limited Slope Low strength Shrink-swell Frost action | 1.00 1.00 0.50 0.50 | Very limited Slope | 1.00 | Very limited Slope | 1.00 |
| 75B: Givin----- | 90 | Very limited Frost action Low strength Shrink-swell | 1.00 1.00 0.50 | Very limited Depth to saturated zone | 0.95 | Not limited | |
| 76B: Ladoga----- | 95 | Very limited Low strength Shrink-swell Frost action | 1.00 0.50 0.50 | Somewhat limited Depth to saturated zone | 0.15 | Not limited | |

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|--------------------------|------------------|---------------------------------------|--------------|--|--------------|------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 76C: Ladoga----- | 95 | Very limited Low strength | 1.00 | Somewhat limited Depth to saturated zone | 0.15 | Not limited | |
| | | Shrink-swell Frost action | 0.50 0.50 | | | | |
| 80B: Clinton----- | 95 | Very limited Low strength | 1.00 | Somewhat limited Depth to saturated zone | 0.15 | Not limited | |
| | | Shrink-swell Frost action | 0.50 0.50 | | | | |
| 80C: Clinton----- | 90 | Very limited Low strength | 1.00 | Somewhat limited Depth to saturated zone | 0.15 | Not limited | |
| | | Shrink-swell Frost action | 0.50 0.50 | | | | |
| 80C2: Clinton----- | 90 | Very limited Low strength | 1.00 | Somewhat limited Depth to saturated zone | 0.15 | Not limited | |
| | | Shrink-swell Frost action | 0.50 0.50 | | | | |
| 80D2: Clinton----- | 95 | Very limited Low strength Slope | 1.00 0.63 | Somewhat limited Slope Depth to saturated zone | 0.63 0.15 | Somewhat limited Slope | 0.63 |
| | | Shrink-swell Frost action | 0.50 0.50 | | | | |
| 88: Nevin----- | 90 | Very limited Frost action | 1.00 | Very limited Depth to saturated zone | 0.95 | Not limited | |
| | | Low strength Shrink-swell | 1.00 0.50 | | | | |

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|--------------------------|------------------|---|------------------------------|---|--------------|---|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 93D2: Shelby----- | 50 | Very limited Low strength Slope | 1.00 0.63 | Somewhat limited Slope Depth to saturated zone | 0.63 0.16 | Somewhat limited Slope | 0.63 |
| Adair----- | 40 | Shrink-swell Frost action | 0.50 0.50 | Very limited Depth to saturated zone | 1.00 | Somewhat limited Slope | 0.63 |
| | | Low strength Shrink-swell Slope Depth to saturated zone | 1.00 1.00 0.63 0.19 | Slope Too clayey | 0.63 0.41 | Depth to saturated zone | 0.19 |
| 122: Sperry----- | 95 | Very limited Depth to saturated zone Frost action Low strength Shrink-swell | 1.00 1.00 1.00 1.00 | Very limited Depth to saturated zone Too clayey | 1.00 0.01 | Very limited Depth to saturated zone | 1.00 |
| 130: Belinda----- | 95 | Very limited Depth to saturated zone Low strength Shrink-swell Frost action | 1.00 1.00 1.00 0.50 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 |
| 131B: Pershing----- | 95 | Very limited Frost action Low strength Shrink-swell | 1.00 1.00 0.50 | Very limited Depth to saturated zone | 0.95 | Not limited | |
| 131C: Pershing----- | 90 | Very limited Frost action Low strength Shrink-swell | 1.00 1.00 0.50 | Very limited Depth to saturated zone | 0.95 | Not limited | |

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|--------------------------|------------------|--|------------------------------|---|-------|---|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 132B: Weller----- | 95 | Very limited Frost action | 1.00 | Very limited Depth to saturated zone | 0.95 | Not limited | |
| | | Low strength Shrink-swell | 1.00 1.00 | | | | |
| 132C: Weller----- | 90 | Very limited Frost action | 1.00 | Very limited Depth to saturated zone | 0.95 | Not limited | |
| | | Low strength Shrink-swell | 1.00 1.00 | | | | |
| 133: Colo----- | 95 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 |
| | | Frost action Flooding Low strength Shrink-swell | 1.00 1.00 1.00 0.50 | Flooding | 0.60 | Flooding | 0.60 |
| 133+: Colo----- | 95 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Flooding | 1.00 |
| | | Frost action Flooding Low strength Shrink-swell | 1.00 1.00 1.00 0.50 | Flooding | 0.80 | Depth to saturated zone | 1.00 |
| 173: Hoopeston----- | 85 | Very limited Frost action | 1.00 | Very limited Depth to saturated zone | 1.00 | Somewhat limited Depth to saturated zone | 0.19 |
| | | Depth to saturated zone | 0.19 | cutbanks cave | 0.90 | | |
| 178: Waukee----- | 95 | Not limited | | Very limited cutbanks cave | 0.90 | Not limited | |

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|-----------------------------|---------------------------|---|--------------------------------------|---|----------------------|---|--------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 179E: Gara----- | 90 | Very limited Slope Low strength Shrink-swell Frost action | 1.00 1.00 0.50 0.50 | Very limited Slope Depth to saturated zone | 1.00 0.16 | Very limited Slope | 1.00 |
| 179E2: Gara----- | 90 | Very limited Slope Low strength Shrink-swell Frost action | 1.00 1.00 0.50 0.50 | Very limited Slope Depth to saturated zone | 1.00 0.16 | Very limited Slope | 1.00 |
| 179F: Gara----- | 90 | Very limited Slope Low strength Shrink-swell Frost action | 1.00 1.00 0.50 0.50 | Very limited Slope Depth to saturated zone | 1.00 0.16 | Very limited Slope | 1.00 |
| 192C2: Adair----- | 95 | Very limited Frost action Low strength Shrink-swell Depth to saturated zone | 1.00 1.00 1.00 0.19 | Very limited Depth to saturated zone Too clayey | 1.00 0.41 | Somewhat limited Depth to saturated zone | 0.19 |
| 192D: Adair----- | 90 | Very limited Frost action Low strength Shrink-swell Slope Depth to saturated zone | 1.00 1.00 1.00 0.63 0.19 | Very limited Depth to saturated zone Slope Too clayey | 1.00 0.63 0.41 | Somewhat limited Slope Depth to saturated zone | 0.63 0.19 |

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|--------------------------|------------------|------------------------------------|-------|---|-------|---|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 192D2: Adair----- | 90 | Very limited Frost action | 1.00 | Very limited Depth to saturated zone | 1.00 | Somewhat limited Slope | 0.63 |
| | | Low strength | 1.00 | Slope | 0.63 | Depth to saturated zone | 0.19 |
| | | Shrink-swell | 1.00 | Too clayey | 0.41 | | |
| | | Slope | 0.63 | | | | |
| | | Depth to saturated zone | 0.19 | | | | |
| 208: Landes----- | 85 | Somewhat limited Frost action | 0.50 | Very limited cutbanks cave | 0.90 | Not limited | |
| 211: Edina----- | 95 | Very limited Shrink-swell | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 |
| | | Depth to saturated zone | 1.00 | Too clayey | 0.72 | | |
| | | Low strength | 1.00 | | | | |
| | | Frost action | 0.50 | | | | |
| 220: Nodaway----- | 90 | Very limited Frost action | 1.00 | Somewhat limited Flooding | 0.80 | Very limited Flooding | 1.00 |
| | | Flooding | 1.00 | Depth to saturated zone | 0.61 | | |
| | | Low strength | 1.00 | | | | |
| | | Shrink-swell | 0.50 | | | | |
| 222C: Clarinda----- | 85 | Very limited Frost action | 1.00 | Very limited Depth to saturated zone | 1.00 | Somewhat limited Depth to saturated zone | 0.19 |
| | | Low strength | 1.00 | Too clayey | 0.50 | | |
| | | Shrink-swell | 1.00 | | | | |
| | | Depth to saturated zone | 0.19 | | | | |

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|--------------------------|------------------|--|------------------------------|---|--------------|---|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 222C2: Clarinda----- | 85 | Very limited Frost action | 1.00 | Very limited Depth to saturated zone | 1.00 | Somewhat limited Depth to saturated zone | 0.19 |
| | | Low strength Shrink-swell Depth to saturated zone | 1.00 1.00 0.19 | Too clayey | 0.50 | | |
| 223C2: Rinda----- | 95 | Very limited Frost action | 1.00 | Very limited Depth to saturated zone | 1.00 | Somewhat limited Depth to saturated zone | 0.19 |
| | | Low strength Shrink-swell Depth to saturated zone | 1.00 1.00 0.19 | Too clayey | 0.50 | | |
| 223D2: Rinda----- | 90 | Very limited Frost action | 1.00 | Very limited Depth to saturated zone | 1.00 | Somewhat limited Slope | 0.63 |
| | | Low strength Shrink-swell Slope Depth to saturated zone | 1.00 1.00 0.63 0.19 | Slope Too clayey | 0.63 0.50 | Depth to saturated zone | 0.19 |
| 230C: Arispe----- | 60 | Very limited Frost action | 1.00 | Very limited Depth to saturated zone | 0.95 | Not limited | |
| | | Low strength Shrink-swell | 1.00 1.00 | | | | |
| Clearfield----- | 30 | Very limited Frost action | 1.00 | Very limited Depth to saturated zone | 1.00 | Somewhat limited Depth to saturated zone | 0.19 |
| | | Low strength Shrink-swell Depth to saturated zone | 1.00 1.00 0.19 | Too clayey | 0.12 | | |

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|--------------------------|------------------|---|--------------------------------------|---|----------------------|---|--------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 260: Beckwith----- | 95 | Very limited Depth to saturated zone Low strength Shrink-swell Frost action | 1.00 1.00 1.00 0.50 | Very limited Depth to saturated zone Too clayey | 1.00 1.00 0.18 | Very limited Depth to saturated zone | 1.00 |
| 269: Humeston----- | 90 | Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell | 1.00 1.00 1.00 1.00 1.00 | Very limited Depth to saturated zone Flooding | 1.00 1.00 0.60 | Very limited Depth to saturated zone Flooding | 1.00 0.60 |
| 276C2: Ladoga----- | 50 | Very limited Low strength Shrink-swell Frost action | 1.00 0.50 0.50 | Somewhat limited Depth to saturated zone | 0.15 | Not limited | |
| Hedrick----- | 40 | Very limited Frost action Low strength Shrink-swell | 1.00 1.00 0.50 | Somewhat limited Depth to saturated zone | 0.15 | Not limited | |
| 279: Taintor----- | 85 | Very limited Depth to saturated zone Frost action Low strength Shrink-swell | 1.00 1.00 1.00 0.50 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 |
| 280: Mahaska----- | 85 | Very limited Frost action Low strength Shrink-swell | 1.00 1.00 0.50 | Very limited Depth to saturated zone | 0.95 | Not limited | |

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|--------------------------|------------------|---|--------------|---|--------------|---|--------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 280B: Mahaska----- | 90 | Very limited Frost action | 1.00 | Very limited Depth to saturated zone | 0.95 | Not limited | |
| | | Low strength Shrink-swell | 1.00 0.50 | | | | |
| 281B: Otley----- | 95 | Very limited Low strength | 1.00 | Somewhat limited Depth to saturated zone | 0.15 | Not limited | |
| | | Shrink-swell Frost action | 0.50 0.50 | | | | |
| 281C: Otley----- | 95 | Very limited Low strength | 1.00 | Somewhat limited Depth to saturated zone | 0.15 | Not limited | |
| | | Shrink-swell Frost action | 0.50 0.50 | | | | |
| 313E: Gosport----- | 85 | Very limited Low strength | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Slope | 0.96 |
| | | Shrink-swell Slope | 1.00 0.96 | Slope Depth to soft bedrock | 0.96 0.46 | Depth to bedrock Depth to saturated zone | 0.46 0.03 |
| | | Frost action Depth to saturated zone | 0.50 0.03 | Too clayey | 0.32 | Droughty | 0.01 |
| 313E2: Gosport----- | 85 | Very limited Low strength | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Slope | 0.96 |
| | | Shrink-swell Slope | 1.00 0.96 | Slope Depth to soft bedrock | 0.96 0.46 | Depth to bedrock Depth to saturated zone | 0.46 0.03 |
| | | Frost action Depth to saturated zone | 0.50 0.03 | Too clayey | 0.32 | Droughty | 0.01 |

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|--------------------------|------------------|--|--|---|----------------------------------|--|----------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 313F: Gosport----- | 85 | Very limited Slope Low strength Shrink-swell Frost action Depth to saturated zone | 1.00 1.00 1.00 1.00 0.50 0.03 | Very limited Slope Depth to saturated zone Depth to soft bedrock Too clayey | 1.00 1.00 0.46 0.32 | Very limited Slope Depth to bedrock Depth to saturated zone Droughty | 1.00 0.46 0.03 0.01 |
| 315: Landes----- | 40 | Somewhat limited Frost action | 0.50 | Very limited cutbanks cave | 0.90 | Not limited | |
| Perks----- | 30 | Very limited Flooding | 1.00 | Very limited cutbanks cave Flooding | 0.90 0.80 | Very limited Flooding Droughty | 1.00 1.00 |
| Nodaway----- | 20 | Very limited Frost action Flooding Low strength Shrink-swell | 1.00 1.00 1.00 1.00 0.50 | Somewhat limited Flooding Depth to saturated zone | 0.80 0.61 | Very limited Flooding | 1.00 |
| 362: Haig----- | 90 | Very limited Depth to saturated zone Frost action Low strength Shrink-swell | 1.00 1.00 1.00 1.00 | Very limited Depth to saturated zone Too clayey | 1.00 0.12 | Very limited Depth to saturated zone | 1.00 |
| 363: Haig----- | 95 | Very limited Depth to saturated zone Frost action Low strength Shrink-swell | 1.00 1.00 1.00 1.00 | Very limited Depth to saturated zone Too clayey | 1.00 0.12 | Very limited Depth to saturated zone | 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----- | 90 | Very limited Frost action | 1.00 | Very limited Depth to saturated zone | 1.00 | Somewhat limited Depth to saturated zone | 0.03 |
| | | Low strength | 1.00 | Too clayey | 0.12 | | |
| | | Shrink-swell | 1.00 | | | | |
| | | Depth to saturated zone | 0.03 | | | | |
| 380B: Mahaska----- | 90 | Very limited Frost action | 1.00 | Very limited Depth to saturated zone | 0.95 | Not limited | |
| | | Low strength | 1.00 | | | | |
| | | Shrink-swell | 0.50 | | | | |
| 424D2: Lindley----- | 60 | Very limited | | Somewhat limited | | Somewhat limited | |
| | | Low strength | 1.00 | Slope | 0.63 | Slope | 0.63 |
| | | Slope | 0.63 | Depth to saturated zone | 0.16 | | |
| | | Shrink-swell | 0.50 | | | | |
| | | Frost action | 0.50 | | | | |
| Keswick----- | 30 | Very limited Frost action | 1.00 | Very limited Depth to saturated zone | 1.00 | Somewhat limited Slope | 0.63 |
| | | Low strength | 1.00 | Slope | 0.63 | Depth to saturated zone | 0.19 |
| | | Shrink-swell | 1.00 | Too clayey | 0.28 | | |
| | | Slope | 0.63 | | | | |
| | | Depth to saturated zone | 0.19 | | | | |
| 424E: Lindley----- | 60 | Very limited | | Very limited | | Very limited | |
| | | Slope | 1.00 | Slope | 1.00 | Slope | 1.00 |
| | | Low strength | 1.00 | Depth to saturated zone | 0.16 | | |
| | | Shrink-swell | 0.50 | | | | |
| | | Frost action | 0.50 | | | | |

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|--------------------------|------------------|--|--|--|----------------------------------|--|------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| Keswick----- | 30 | Very limited Frost action Low strength Shrink-swell Slope Depth to saturated zone | 1.00 1.00 1.00 1.00 0.19 | Very limited Slope Depth to saturated zone Too clayey | 1.00 1.00 0.28 | Very limited Slope Depth to saturated zone | 1.00 0.19 |
| 424E2: Lindley----- | 60 | Very limited Slope Low strength Shrink-swell Frost action | 1.00 1.00 0.50 0.50 | Very limited Slope Depth to saturated zone | 1.00 0.16 | Very limited Slope | 1.00 |
| Keswick----- | 30 | Very limited Frost action Low strength Shrink-swell Slope Depth to saturated zone | 1.00 1.00 1.00 1.00 0.19 | Very limited Slope Depth to saturated zone Too clayey | 1.00 1.00 0.28 | Very limited Slope Depth to saturated zone | 1.00 0.19 |
| 425D: Keswick----- | 90 | Very limited Frost action Low strength Shrink-swell Slope Depth to saturated zone | 1.00 1.00 1.00 0.63 0.19 | Very limited Depth to saturated zone Slope Too clayey | 1.00 0.63 0.28 | Somewhat limited Slope Depth to saturated zone | 0.63 0.19 |
| 425D2: Keswick----- | 85 | Very limited Frost action Low strength Shrink-swell Slope Depth to saturated zone | 1.00 1.00 1.00 0.63 0.19 | Very limited Depth to saturated zone Slope Too clayey | 1.00 0.63 0.28 | Somewhat limited Slope Depth to saturated zone | 0.63 0.19 |

Building Site Development

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Wapello County, Iowa

| Map symbol and soil name | Pct. of map unit | Local roads and streets | | Shallow excavations | | Lawns and landscaping | |
|--------------------------|------------------|---|-------|---|-------|---|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 451D2: Caleb----- | 85 | Very limited Low strength | 1.00 | Somewhat limited Depth to saturated zone | 0.61 | Somewhat limited Slope | 0.37 |
| | | Shrink-swell | 0.50 | Slope | 0.37 | | |
| | | Frost action | 0.50 | | | | |
| | | Slope | 0.37 | | | | |
| 453: Tuskeego----- | 85 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 |
| | | Low strength | 1.00 | | | | |
| | | Shrink-swell | 1.00 | | | | |
| | | Frost action | 0.50 | | | | |
| 478G: Gosport----- | 50 | Very limited Slope | 1.00 | Very limited Slope | 1.00 | Very limited Slope | 1.00 |
| | | Low strength | 1.00 | Depth to saturated zone | 1.00 | Depth to bedrock | 0.46 |
| | | Shrink-swell | 1.00 | Depth to soft bedrock | 0.46 | Droughty | 0.06 |
| | | Frost action | 0.50 | Too clayey | 0.32 | Depth to saturated zone | 0.03 |
| | | Depth to saturated zone | 0.03 | | | | |
| Rock Outcrop----- | 40 | Not rated | | Not rated | | Not rated | |
| 520: Coppock----- | 85 | Very limited Frost action | 1.00 | Very limited Depth to saturated zone | 1.00 | Somewhat limited Flooding | 0.60 |
| | | Flooding | 1.00 | Flooding | 0.60 | Depth to saturated zone | 0.19 |
| | | Low strength | 1.00 | | | | |
| | | Shrink-swell | 0.50 | | | | |
| | | Depth to saturated zone | 0.19 | | | | |

Building Site Development

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Wapello County, Iowa

| Map symbol and soil name | Pct. of map unit | Local roads and streets | | Shallow excavations | | Lawns and landscaping | |
|-----------------------------|---------------------------|---------------------------------------|--------------|--|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 570C: Nira----- | 90 | Very limited Frost action | 1.00 | Somewhat limited Depth to saturated zone | 0.15 | Not limited | |
| | | Low strength Shrink-swell | 1.00 0.50 | | | | |
| 581C2: Otley----- | 60 | Very limited Low strength | 1.00 | Somewhat limited Depth to saturated zone | 0.16 | Not limited | |
| | | Shrink-swell Frost action | 0.50 0.50 | | | | |
| Nira----- | 35 | Very limited Frost action | 1.00 | Somewhat limited Depth to saturated zone | 0.15 | Not limited | |
| | | Low strength Shrink-swell | 1.00 0.50 | | | | |
| 592C2: Mystic----- | 85 | Very limited Frost action | 1.00 | Somewhat limited Depth to saturated zone | 0.61 | Not limited | |
| | | Low strength Shrink-swell | 1.00 1.00 | | | | |
| 592D2: Mystic----- | 85 | Very limited Frost action | 1.00 | Somewhat limited Slope | 0.63 | Somewhat limited Slope | 0.63 |
| | | Low strength | 1.00 | Depth to saturated zone | 0.61 | | |
| | | Shrink-swell Slope | 1.00 0.63 | | | | |
| 594C2: Galland----- | 85 | Very limited Frost action | 1.00 | Somewhat limited Depth to saturated zone | 0.61 | Not limited | |
| | | Low strength Shrink-swell | 1.00 1.00 | Too clayey | 0.01 | | |

Building Site Development

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Wapello County, Iowa

| Map symbol and soil name | Pct. of map unit | Local roads and streets | | Shallow excavations | | Lawns and landscaping | |
|--------------------------|------------------|--|------------------------------|---|----------------------|------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 594D2: Galland----- | 85 | Very limited Frost action Low strength Shrink-swell Slope | 1.00 1.00 1.00 0.63 | Somewhat limited Slope Depth to saturated zone Too clayey | 0.63 0.61 0.01 | Somewhat limited Slope | 0.63 |
| 594E2: Galland----- | 85 | Very limited Frost action Low strength Shrink-swell Slope | 1.00 1.00 1.00 1.00 | Very limited Slope Depth to saturated zone Too clayey | 1.00 0.61 0.01 | Very limited Slope | 1.00 |
| 688: Koszta----- | 90 | Very limited Frost action Low strength Shrink-swell | 1.00 1.00 0.50 | Very limited Depth to saturated zone | 1.00 | Not limited | |
| 715: Nodaway----- | 60 | Very limited Frost action Flooding Low strength Shrink-swell | 1.00 1.00 1.00 0.50 | Somewhat limited Flooding Depth to saturated zone | 0.80 0.61 | Very limited Flooding | 1.00 |
| Landes----- | 30 | Somewhat limited Frost action | 0.50 | Very limited cutbanks cave | 0.90 | Not limited | |
| 730B: Nodaway----- | 60 | Very limited Frost action Flooding Low strength Shrink-swell | 1.00 1.00 1.00 0.50 | Somewhat limited Flooding Depth to saturated zone | 0.80 0.61 | Very limited Flooding | 1.00 |
| Cantril----- | 30 | Very limited Frost action Low strength Shrink-swell | 1.00 1.00 0.50 | Very limited Depth to saturated zone | 0.95 | Not limited | |

Building Site Development

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Wapello County, Iowa

| Map symbol and soil name | Pct. of map unit | Local roads and streets | | Shallow excavations | | Lawns and landscaping | |
|--------------------------|------------------|---|----------------------|---|-------|---|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 731C2: Pershing----- | 90 | Very limited Frost action | 1.00 | Very limited Depth to saturated zone | 0.95 | Not limited | |
| | | Low strength Shrink-swell | 1.00 0.50 | | | | |
| 732C2: Weller----- | 90 | Very limited Frost action | 1.00 | Very limited Depth to saturated zone | 0.95 | Not limited | |
| | | Low strength Shrink-swell | 1.00 1.00 | | | | |
| 732D2: Weller----- | 90 | Very limited Frost action | 1.00 | Very limited Depth to saturated zone | 0.95 | Somewhat limited Slope | 0.63 |
| | | Low strength Shrink-swell Slope | 1.00 1.00 0.63 | Slope | 0.63 | | |
| 779: Kalona----- | 90 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 |
| | | Frost action Low strength Shrink-swell | 1.00 1.00 1.00 | | | | |
| 792C2: Armstrong----- | 85 | Very limited Frost action | 1.00 | Very limited Depth to saturated zone | 1.00 | Somewhat limited Depth to saturated zone | 0.19 |
| | | Low strength Shrink-swell Depth to saturated zone | 1.00 1.00 0.19 | Too clayey | 0.32 | | |

Building Site Development

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Wapello County, Iowa

| Map symbol and soil name | Pct. of map unit | Local roads and streets | | Shallow excavations | | Lawns and landscaping | |
|--------------------------|------------------|------------------------------------|--------------|--------------------------------------|-------|------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 792D: Armstrong----- | 85 | Very limited Frost action | 1.00 | Very limited Depth to saturated zone | 1.00 | Somewhat limited Slope | 0.63 |
| | | Low strength | 1.00 | Slope | 0.63 | Depth to saturated zone | 0.19 |
| | | Shrink-swell Slope | 1.00 0.63 | Too clayey | 0.32 | | |
| | | Depth to saturated zone | 0.19 | | | | |
| 792D2: Armstrong----- | 85 | Very limited Frost action | 1.00 | Very limited Depth to saturated zone | 1.00 | Somewhat limited Slope | 0.63 |
| | | Low strength | 1.00 | Slope | 0.63 | Depth to saturated zone | 0.19 |
| | | Shrink-swell Slope | 1.00 0.63 | Too clayey | 0.32 | | |
| | | Depth to saturated zone | 0.19 | | | | |
| 795D2: Ashgrove----- | 90 | Very limited Frost action | 1.00 | Very limited Depth to saturated zone | 1.00 | Somewhat limited Slope | 0.63 |
| | | Low strength | 1.00 | Slope | 0.63 | Depth to saturated zone | 0.19 |
| | | Shrink-swell Slope | 1.00 0.63 | Too clayey | 0.50 | | |
| | | Depth to saturated zone | 0.19 | | | | |
| 831C2: Pershing----- | 90 | Very limited Frost action | 1.00 | Very limited Depth to saturated zone | 0.95 | Not limited | |
| | | Low strength | 1.00 | | | | |
| | | Shrink-swell | 0.50 | | | | |
| 832C2: Weller----- | 90 | Very limited Frost action | 1.00 | Very limited Depth to saturated zone | 0.95 | Not limited | |
| | | Low strength | 1.00 | | | | |
| | | Shrink-swell | 1.00 | | | | |

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Wapello County, Iowa

| Map symbol and soil name | Pct. of map unit | Local roads and streets | | Shallow excavations | | Lawns and landscaping | |
|--------------------------|------------------|------------------------------------|--------------|---|-------|------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 876B: Ladoga----- | 95 | Very limited Low strength | 1.00 | Somewhat limited Depth to saturated zone | 0.15 | Not limited | |
| | | Shrink-swell Frost action | 0.50 0.50 | | | | |
| 876C: Ladoga----- | 95 | Very limited Low strength | 1.00 | Somewhat limited Depth to saturated zone | 0.15 | Not limited | |
| | | Shrink-swell Frost action | 0.50 0.50 | | | | |
| 876C2: Ladoga----- | 95 | Very limited Low strength | 1.00 | Somewhat limited Depth to saturated zone | 0.15 | Not limited | |
| | | Shrink-swell Frost action | 0.50 0.50 | | | | |
| 880B: Clinton----- | 95 | Very limited Low strength | 1.00 | Somewhat limited Depth to saturated zone | 0.15 | Not limited | |
| | | Shrink-swell Frost action | 0.50 0.50 | | | | |
| 880C: Clinton----- | 90 | Very limited Low strength | 1.00 | Somewhat limited Depth to saturated zone | 0.15 | Not limited | |
| | | Shrink-swell Frost action | 0.50 0.50 | | | | |
| 880C2: Clinton----- | 90 | Very limited Low strength | 1.00 | Somewhat limited Depth to saturated zone | 0.15 | Not limited | |
| | | Shrink-swell Frost action | 0.50 0.50 | | | | |

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Wapello County, Iowa

| Map symbol and soil name | Pct. of map unit | Local roads and streets | | Shallow excavations | | Lawns and landscaping | |
|-------------------------------|------------------|--|------------------------------|--|--------------|---|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 881B: Otley----- | 95 | Very limited Low strength | 1.00 | Somewhat limited Depth to saturated zone | 0.15 | Not limited | |
| | | Shrink-swell Frost action | 0.50 0.50 | | | | |
| 881C2: Otley----- | 90 | Very limited Low strength | 1.00 | Somewhat limited Depth to saturated zone | 0.15 | Not limited | |
| | | Shrink-swell Frost action | 0.50 0.50 | | | | |
| 892D2: Mystic Variant----- | 85 | Very limited Frost action | 1.00 | Very limited Depth to saturated zone | 1.00 | Somewhat limited Depth to saturated zone | 0.19 |
| | | Low strength Shrink-swell Depth to saturated zone Slope | 1.00 1.00 0.19 0.16 | Slope Too clayey | 0.16 0.12 | Slope | 0.16 |
| 977: Richwood----- | 90 | Very limited Frost action Low strength Shrink-swell | 1.00 1.00 0.50 | Not limited | | Not limited | |
| 977B: Richwood----- | 90 | Very limited Frost action Low strength Shrink-swell | 1.00 1.00 0.50 | Not limited | | Not limited | |
| 993D2: Gara----- | 60 | Very limited Low strength Slope | 1.00 0.63 | Somewhat limited Slope Depth to saturated zone | 0.63 0.16 | Somewhat limited Slope | 0.63 |
| | | Shrink-swell Frost action | 0.50 0.50 | | | | |

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Wapello County, Iowa

| Map symbol and soil name | Pct. of map unit | Local roads and streets | | Shallow excavations | | Lawns and landscaping | |
|--------------------------|------------------|---|-------|---|-------|---|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| Armstrong----- | 30 | Very limited Frost action | 1.00 | Very limited Depth to saturated zone | 1.00 | Somewhat limited Slope | 0.63 |
| | | Low strength | 1.00 | Slope | 0.63 | Depth to saturated zone | 0.19 |
| | | Shrink-swell | 1.00 | Too clayey | 0.32 | | |
| | | Slope | 0.63 | | | | |
| | | Depth to saturated zone | 0.19 | | | | |
| 1075B: Givin----- | 90 | Very limited Frost action | 1.00 | Very limited Depth to saturated zone | 0.95 | Not limited | |
| | | Low strength | 1.00 | | | | |
| | | Shrink-swell | 0.50 | | | | |
| 1130: Belinda----- | 95 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 |
| | | Low strength | 1.00 | | | | |
| | | Shrink-swell | 1.00 | | | | |
| | | Frost action | 0.50 | | | | |
| 1131B: Pershing----- | 95 | Very limited Frost action | 1.00 | Very limited Depth to saturated zone | 0.95 | Not limited | |
| | | Low strength | 1.00 | | | | |
| | | Shrink-swell | 0.50 | | | | |
| 1132B: Weller----- | 95 | Very limited Frost action | 1.00 | Very limited Depth to saturated zone | 0.95 | Not limited | |
| | | Low strength | 1.00 | | | | |
| | | Shrink-swell | 1.00 | | | | |
| 1220: Nodaway----- | 85 | Very limited Frost action | 1.00 | Somewhat limited Flooding | 0.80 | Very limited Flooding | 1.00 |
| | | Flooding | 1.00 | Depth to saturated zone | 0.61 | | |
| | | Low strength | 1.00 | | | | |
| | | Shrink-swell | 0.50 | | | | |

Building Site Development

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Wapello County, Iowa

| Map symbol and soil name | Pct. of map unit | Local roads and streets | | Shallow excavations | | Lawns and landscaping | |
|-------------------------------|------------------|---|------------------------------|---|--------------|---|--------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 1279: Taintor----- | 85 | Very limited Depth to saturated zone Frost action Low strength Shrink-swell | 1.00 1.00 1.00 0.50 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 |
| 1280: Mahaska----- | 85 | Very limited Frost action Low strength Shrink-swell | 1.00 1.00 0.50 | Very limited Depth to saturated zone | 0.95 | Not limited | |
| 1315: Landes----- | 50 | Somewhat limited Frost action | 0.50 | Very limited cutbanks cave | 0.90 | Not limited | |
| Perks----- | 30 | Very limited Flooding | 1.00 | Very limited cutbanks cave Flooding | 0.90 0.80 | Very limited Flooding Droughty | 1.00 1.00 |
| 1977: Richwood Variant---- | 90 | Somewhat limited Frost action | 0.50 | Not limited | | Not limited | |
| 4000: Urban Land----- | 100 | Not rated | | Not rated | | Not rated | |
| 5010: Pits----- | 100 | Not rated | | Not rated | | Not rated | |
| 5020: Pits----- | 100 | Not rated | | Not rated | | Not rated | |

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Wapello County, Iowa

| Map symbol and soil name | Pct. of map unit | Local roads and streets | | Shallow excavations | | Lawns and landscaping | |
|-----------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 5030: Pits----- | 100 | Not rated | | Not rated | | Not rated | |
| 6313: Orthents----- | 100 | Not rated | | Not rated | | Not rated | |
| W: Water----- | 100 | Not rated | | Not rated | | Not rated | |