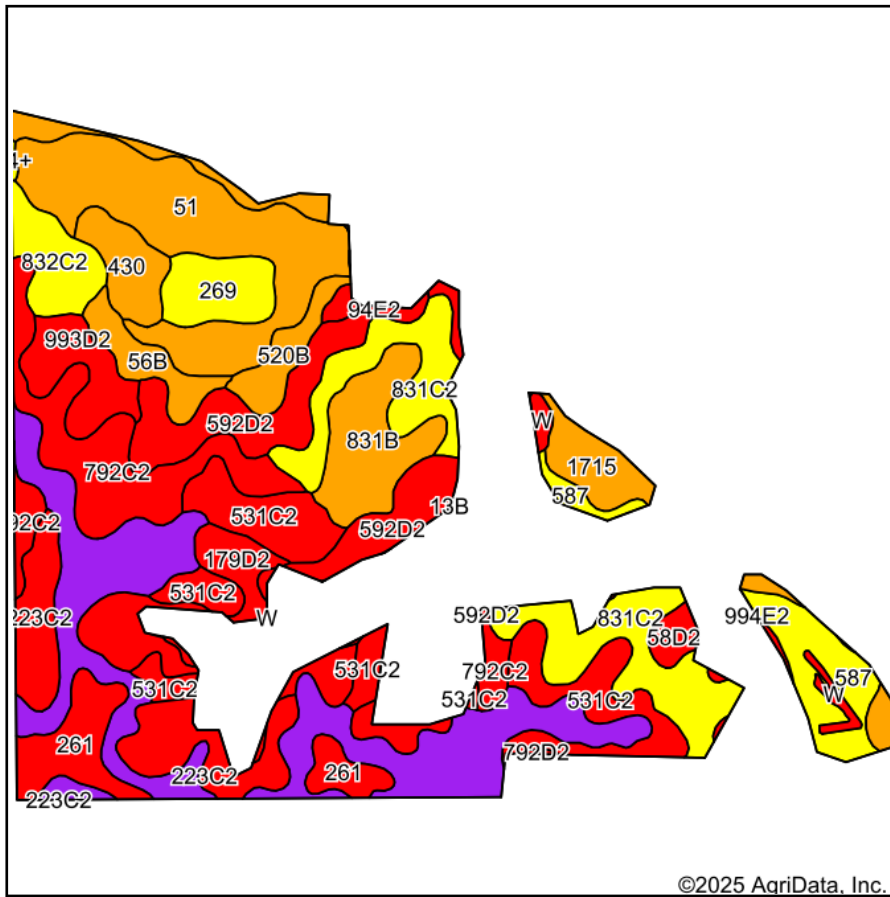
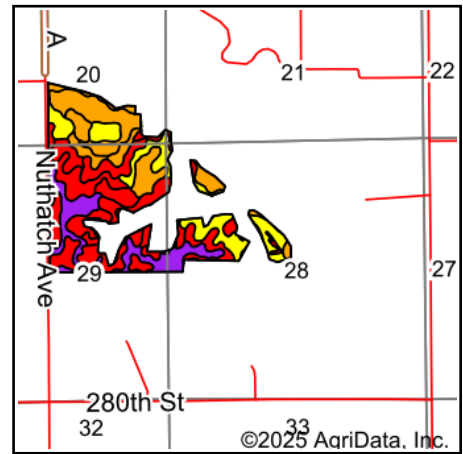


# Soils Map



Soils data provided by USDA and NRCS.



State: **Iowa**  
 County: **Davis**  
 Location: **28-68N-13W**  
 Township: **Grove**  
 Acres: **213.7**  
 Date: **7/10/2025**



Maps Provided By:  
  
 CUSTOMIZED ONLINE MAPPING  
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Area Symbol: IA051, Soil Area Version: 31

| Code  | Soil Description                                                            | Acres | Percent of field | CSR2 Legend | Restrictive Layer | Soil Drainage           | Non-Irr Class *c | *i Corn Bu | *i Alfalfa Tons | *i Soybeans Bu | *i Bluegrass Tons | *i Tall Grasses Tons | *i Water-Holding Inch | CSR2** | CSR | *n No O |
|-------|-----------------------------------------------------------------------------|-------|------------------|-------------|-------------------|-------------------------|------------------|------------|-----------------|----------------|-------------------|----------------------|-----------------------|--------|-----|---------|
| 531B  | Kniffin silt loam, 2 to 5 percent slopes                                    | 30.90 | 14.3%            |             | > 6.5ft.          | Somewhat poorly drained | Ille             | 80.0       | 2.1             | 23.2           | 1.4               | 2.4                  | 10.6                  | 55     | 54  |         |
| 51    | Vesser silt loam, 0 to 2 percent slopes, occasionally flooded               | 23.30 | 10.9%            |             | > 6.5ft.          | Poorly drained          | Ilw              | 198.4      | 4.2             | 57.5           | 3.6               | 6.0                  | 12.0                  | 75     | 71  |         |
| 831C2 | Pershing silty clay loam, terrace, 5 to 9 percent slopes, moderately eroded | 19.62 | 9.2%             |             | > 6.5ft.          | Somewhat poorly drained | Ille             | 80.0       | 2.1             | 23.2           | 1.4               | 2.4                  | 11.8                  | 64     | 40  |         |
| 531C2 | Kniffin silty clay loam, 5 to 9 percent slopes, moderately eroded           | 18.29 | 8.6%             |             | > 6.5ft.          | Somewhat poorly drained | Ille             | 80.0       | 2.1             | 23.2           | 1.4               | 2.4                  | 10.6                  | 48     | 31  |         |

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| Code  | Soil Description                                                          | Acres | Percent of field | CSR2 Legend | Restrictive Layer               | Soil Drainage           | Non-Irr Class *c | *i Corn Bu | *i Alfalfa Tons | *i Soybeans Bu | *i Bluegrass Tons | *i Tall Grasses Tons | *i Water-Holding Inch | CSR2** | CSR | *n No |
|-------|---------------------------------------------------------------------------|-------|------------------|-------------|---------------------------------|-------------------------|------------------|------------|-----------------|----------------|-------------------|----------------------|-----------------------|--------|-----|-------|
| 792C2 | Armstrong loam, 5 to 9 percent slopes, moderately eroded                  | 17.72 | 8.3%             |             | > 6.5ft.                        | Somewhat poorly drained | IIle             | 123.2      | 3.2             | 35.7           | 2.2               | 3.7                  | 9.2                   | 31     | 27  |       |
| 223C2 | Rinda silty clay loam, 5 to 9 percent slopes, moderately eroded           | 15.76 | 7.4%             |             | > 6.5ft.                        | Poorly drained          | IVw              | 126.4      | 2.7             | 36.7           | 2.3               | 3.8                  | 9.9                   | 45     | 22  |       |
| 592D2 | Mystic silt loam, 9 to 14 percent slopes, moderately eroded               | 15.08 | 7.1%             |             | > 6.5ft.                        | Somewhat poorly drained | IVe              | 88.0       | 2.3             | 25.5           | 1.6               | 2.6                  | 10.5                  | 10     | 5   |       |
| 831B  | Pershing silt loam, terrace, 2 to 5 percent slopes                        | 9.32  | 4.4%             |             | > 6.5ft.                        | Somewhat poorly drained | IIle             | 80.0       | 2.1             | 23.2           | 1.4               | 2.4                  | 11.8                  | 71     | 65  |       |
| 1715  | Nodaway-Lawson-Ackmore silt loams, 0 to 2 percent slopes                  | 8.76  | 4.1%             |             | > 6.5ft.                        | Somewhat poorly drained | IIIw             | 203.2      | 4.3             | 58.9           | 3.7               | 6.1                  | 10.9                  | 78     | 80  |       |
| 261   | Appanoose silt loam, 0 to 2 percent slopes                                | 8.25  | 3.9%             |             | 1.1ft. (Abrupt textural change) | Poorly drained          | IIIw             | 177.6      | 3.7             | 51.5           | 3.2               | 5.3                  | 10.8                  | 41     | 54  |       |
| 587   | Chequest silty clay loam, 0 to 2 percent slopes, occasionally flooded     | 8.12  | 3.8%             |             | > 6.5ft.                        | Poorly drained          | IIw              | 164.8      | 3.5             | 47.8           | 3.0               | 4.9                  | 10.0                  | 62     | 65  |       |
| 993D2 | Gara-Armstrong loams, 9 to 14 percent slopes, moderately eroded           | 5.78  | 2.7%             |             | > 6.5ft.                        | Well drained            | IVe              | 123.2      | 3.2             | 35.7           | 2.2               | 3.7                  | 9.7                   | 35     | 20  |       |
| 832C2 | Weller silty clay loam, terrace, 5 to 9 percent slopes, moderately eroded | 5.34  | 2.5%             |             | > 6.5ft.                        | Moderately well drained | IVe              | 80.0       | 2.2             | 23.2           | 1.4               | 2.4                  | 10.6                  | 61     | 30  |       |
| 269   | Humeston silt loam, 0 to 2 percent slopes, occasionally flooded           | 5.32  | 2.5%             |             | > 6.5ft.                        | Poorly drained          | IIIw             | 80.0       | 1.7             | 23.2           | 1.4               | 2.4                  | 10.1                  | 70     | 58  |       |

| Code             | Soil Description                                                                  | Acres | Percent of field | CSR2 Legend | Restrictive Layer | Soil Drainage           | Non-Irr Class *c | *i Corn Bu | *i Alfalfa Tons | *i Soybeans Bu | *i Bluegrass Tons | *i Tall Grasses Tons | *i Water-Holding Inch | CSR2** | CSR  | *n No |
|------------------|-----------------------------------------------------------------------------------|-------|------------------|-------------|-------------------|-------------------------|------------------|------------|-----------------|----------------|-------------------|----------------------|-----------------------|--------|------|-------|
| 179D2            | Gara loam, 9 to 14 percent slopes, moderately eroded                              | 5.12  | 2.4%             |             | > 6.5ft.          | Well drained            | IVe              | 163.2      | 4.6             | 47.3           | 2.9               | 4.9                  | 10.7                  | 44     | 43   |       |
| 430              | Ackmore silt loam, heavy till, 0 to 2 percent slopes, occasionally flooded        | 4.53  | 2.1%             |             | > 6.5ft.          | Somewhat poorly drained | IIw              | 203.2      | 4.3             | 58.9           | 3.7               | 6.1                  | 12.2                  | 77     | 83   |       |
| 56B              | Cantril loam, 2 to 5 percent slopes                                               | 4.07  | 1.9%             |             | > 6.5ft.          | Somewhat poorly drained | Ile              | 209.6      | 5.4             | 60.8           | 3.8               | 6.3                  | 9.5                   | 79     | 67   |       |
| 520B             | Coppock silt loam, 2 to 5 percent slopes, rarely flooded                          | 3.49  | 1.6%             |             | > 6.5ft.          | Poorly drained          | IIw              | 198.4      | 4.2             | 57.5           | 3.6               | 6.0                  | 11.5                  | 80     | 60   |       |
| 58D2             | Douds loam, heavy loess, 9 to 14 percent slopes, moderately eroded                | 1.93  | 0.9%             |             | > 6.5ft.          | Moderately well drained | IVe              | 145.6      | 4.1             | 42.2           | 2.6               | 4.4                  | 8.6                   | 44     | 28   |       |
| W                | Water                                                                             | 1.50  | 0.7%             |             | > 6.5ft.          |                         |                  | 0.0        | 0.0             | 0.0            | 0.0               | 0.0                  | 0.0                   | 0      | 0    |       |
| 94E2             | Caleb-Mystic complex, 14 to 18 percent slopes, moderately eroded                  | 1.27  | 0.6%             |             | > 6.5ft.          | Moderately well drained | Vle              | 99.2       | 2.6             | 28.8           | 1.8               | 3.0                  | 9.7                   | 23     | 5    |       |
| 54+              | Zook silt loam, heavy till, 0 to 2 percent slopes, occasionally flooded, overwash | 0.14  | 0.1%             |             | > 6.5ft.          | Poorly drained          | IIw              | 190.4      | 4.0             | 55.2           | 3.4               | 5.7                  | 9.4                   | 68     | 75   |       |
| 792D2            | Armstrong loam, 9 to 14 percent slopes, moderately eroded                         | 0.09  | 0.0%             |             | > 6.5ft.          | Somewhat poorly drained | IVe              | 88.0       | 2.3             | 25.5           | 1.6               | 2.6                  | 9.0                   | 9      | 13   |       |
| Weighted Average |                                                                                   |       |                  |             |                   |                         | *-               | 122.9      | 2.9             | 35.6           | 2.2               | 3.7                  | 10.6                  | 53.2   | 44.9 | *     |

\*\*IA has updated the CSR values for each county to CSR2.

\*i Yield data provided by the ISPAID Database version 8.1.1 developed by IA State University.

\*n: The aggregation method is "Weighted Average using all components"

\*c: Using Capabilities Class Dominant Condition Aggregation Method

\*- Non Irr Class weighted average cannot be calculated on the current soils data due to missing data.