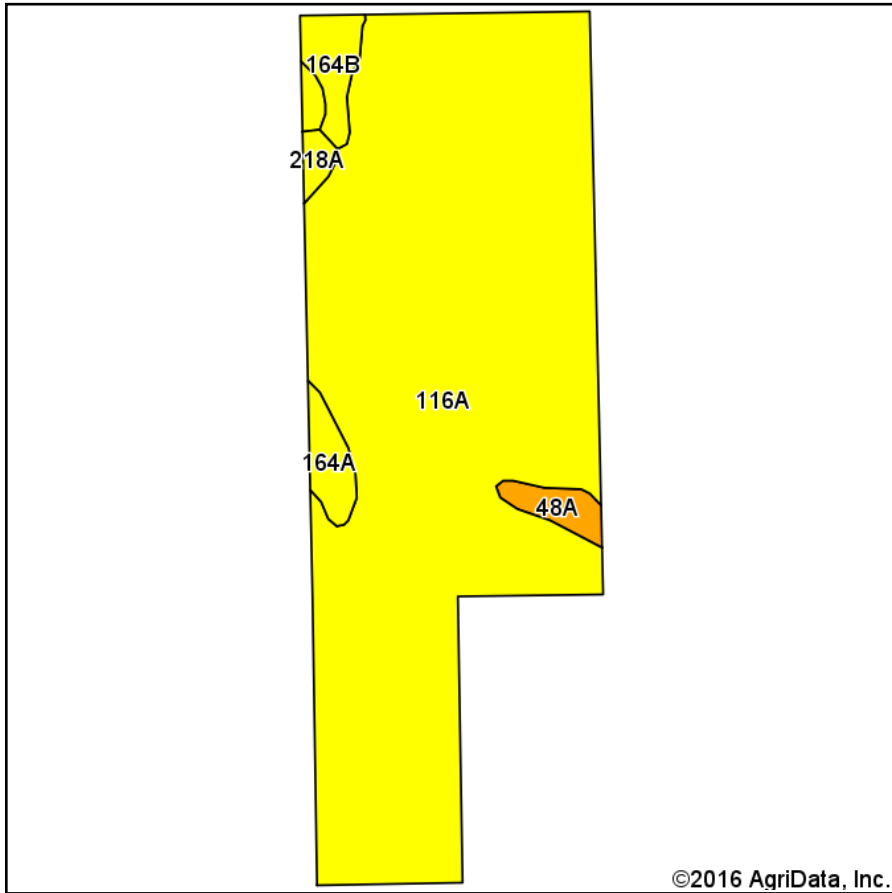
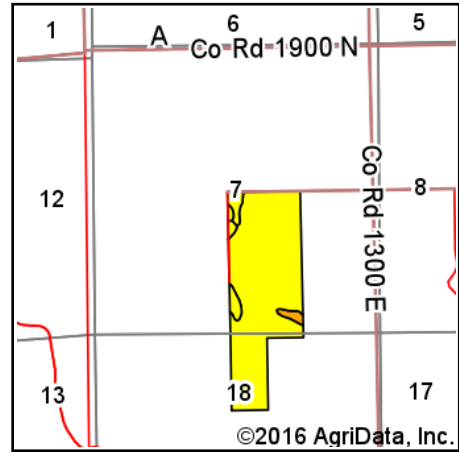


D. Morgan Soils Map



Soils data provided by USDA and NRCS.

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State: **Illinois**
 County: **Clark**
 Location: **7-11N-12W**
 Township: **Marshall**
 Acres: **103.26**
 Date: **10/20/2016**



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Area Symbol: IL023, Soil Area Version: 10

| Code | Soil Description | Acres | Percent of field | Il. State Productivity Index Legend | Subsoil rooting | Corn Bu/A | Soybeans Bu/A | Wheat Bu/A | Oats Bu/A | Sorghum Bu/A | Alfalfa hay, T/A | Grass-legume hay, T/A | Crop productivity index for optimum management |
|-------------------------|---|-------|------------------|-------------------------------------|-----------------|--------------|---------------|------------|-------------|--------------|------------------|-----------------------|--|
| 116A | Whitson silt loam, 0 to 2 percent slopes | 96.00 | 93.0% | | FAV | 158 | 50 | 60 | 75 | 0 | 0.00 | 4.77 | 116 |
| **164B | Stoy silt loam, 2 to 5 percent slopes | 2.56 | 2.5% | | FAV | **144 | **47 | **57 | 0 | **112 | 0.00 | **4.59 | **108 |
| 164A | Stoy silt loam, 0 to 2 percent slopes | 2.13 | 2.1% | | FAV | 145 | 47 | 58 | 0 | 113 | 0.00 | 4.64 | 109 |
| 48A | Ebbert silt loam, 0 to 2 percent slopes | 1.75 | 1.7% | | FAV | 173 | 55 | 66 | 0 | 124 | 0.00 | 5.14 | 125 |
| 218A | Newberry silt loam, 0 to 2 percent slopes | 0.82 | 0.8% | | FAV | 155 | 48 | 60 | 0 | 119 | 0.00 | 4.77 | 114 |
| Weighted Average | | | | | | 157.6 | 49.9 | 60 | 69.7 | 8.2 | 0.00 | 4.77 | 115.8 |

Area Symbol: IL023, Soil Area Version: 10

Table: Optimum Crop Productivity Ratings for Illinois Soil by K.R. Olson and J.M. Lang, Office of Research, ACES, University of Illinois at Champaign-Urbana. Version: 1/2/2012 Amended Table S2 B811

Crop yields and productivity indices for optimum management (B811) are maintained at the following NRES web site:

<https://www.ideals.illinois.edu/handle/2142/1027/>

** Indexes adjusted for slope and erosion according to Bulletin 811 Table S3

a UNF = unfavorable; FAV = favorable

b Soils in the southern region were not rated for oats and are shown with a zero "0".

c Soils in the northern region or in both regions were not rated for grain sorghum and are shown with a zero "0".

d Soils in the poorly drained group were not rated for alfalfa and are shown with a zero "0".

e Soils in the well drained group were not rated for grass-legume and are shown with a zero "0".

Soils data provided by USDA and NRCS. Soils data provided by University of Illinois at Champaign-Urbana.

*c: Using Capabilities Class Dominant Condition Aggregation Method