

# Onalaska Soil Survey Office Update

By

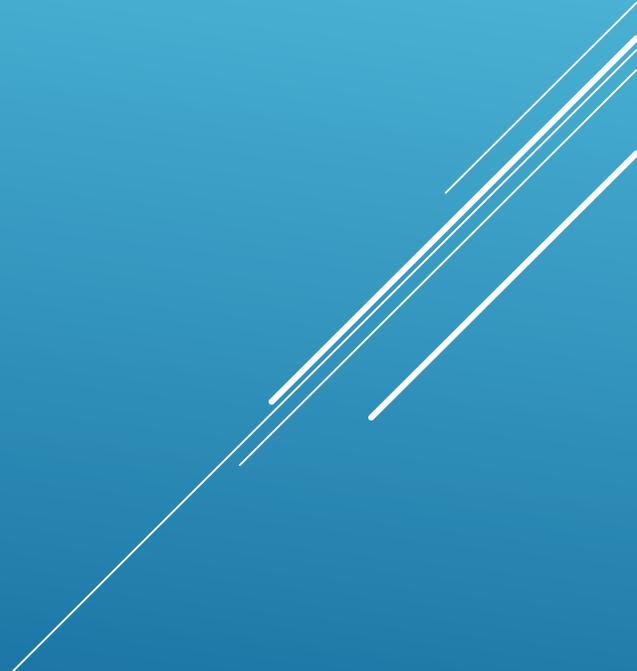
Kevin Traastad

MLRA Soil Survey Leader

11/10/15



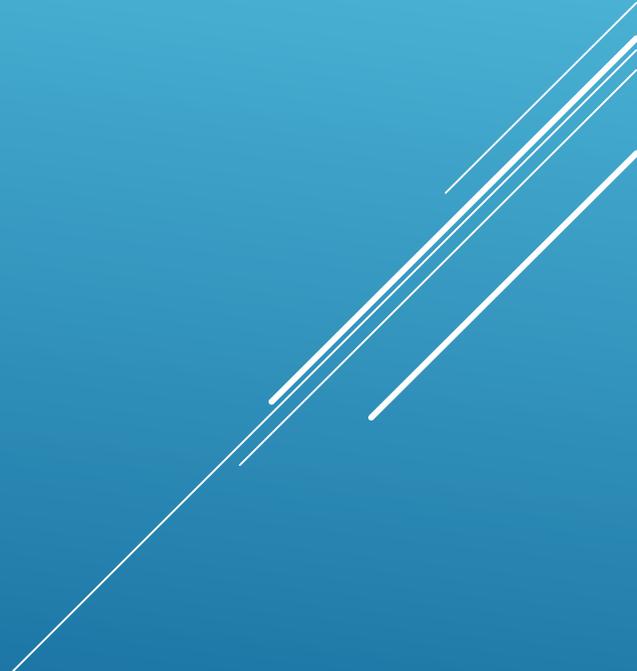
▶ FY 2016 Projects:

- ▶ SDJR
  - ▶ Digital Incorporation of Remap Overlay in adjacent SSA
  - ▶ Continuation of Rountree Formation Research
  - ▶ Goat Prairie Temperature Study wrap up
  - ▶ Ecological Site Descriptions - Soil Sort
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- ▶ SDJR

- ▶ Harmonizing same or similar soil concepts into a MLRA concept
- ▶ Map units will we focus on this year:
  - ▶ Fayette, Seaton, Plainfield, Aldo, Arenzville, Etrick, Ironrun, Meehan, Orion, Norden
  - ▶ Pepin, Ponycreek, Rockdam, Sparta, Tint, Tintson, Au Gres, Citypoint, Dawsil, Elmlake,
  - ▶ Fairchild, Friendship, Loxley, Ludington,
- ▶ 75 projects
- ▶ ~ 700,000 acres updated

- ▶ Digital Incorporation of Remap Overlay in adjacent SSA
  - ▶ During the remap of Dunn and Pepin Counties
    - ▶ The adjacent counties of Chippewa and Eau Claire Counties were partially remapped.
      - ~1.5 miles along the western edge of those 2 Counties were remapped
  - This project would incorporate this mapping into the official spatial layer

- ▶ Continuation of Rountree Formation Research
    - ▶ Goal is create a model
    - ▶ Thickness of the Loess and Rountree
    - ▶ Thickness of the Rubble Layer on the Dolostone
    - ▶ Depth to Dolostone
    - ▶ Characteristic differences on bedrock types
    - ▶ **ALL Factors affect interpretations for use and management**
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- ▶ Continuation of Rountree Formation Research

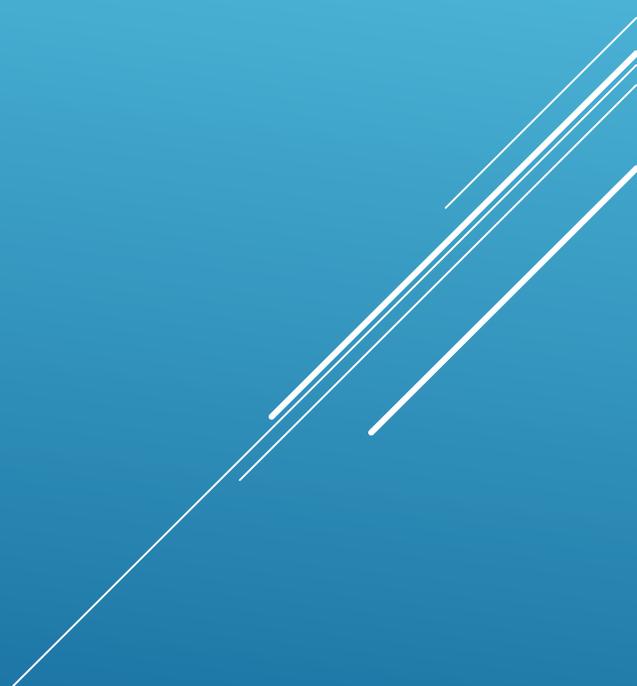
- ▶ So far:

- Ground Penetrating Radar

- Dug deep pits with a back hoe

- Evaluated other existing pits dug for conservation practices

- Partnered with WGNHS to have well log data digitized

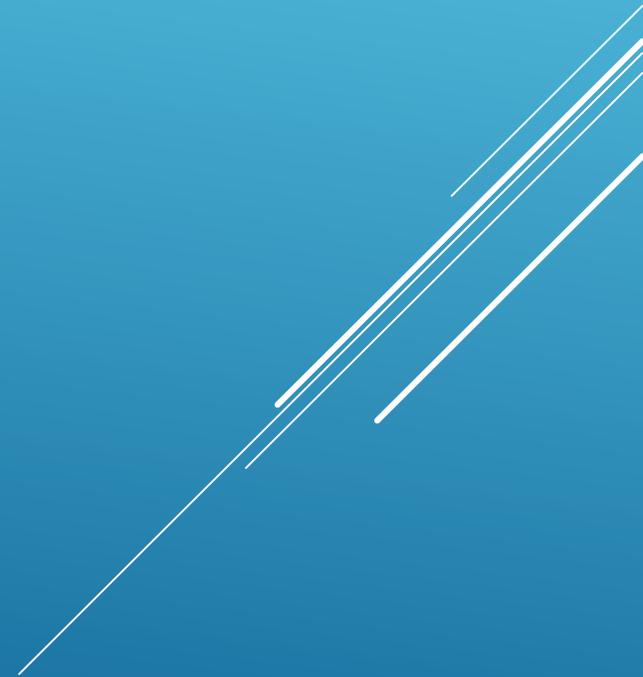




depth to rock  
varies from 4 to  
20'

irregular depth to bedrock  
Richland Co  
June 1984





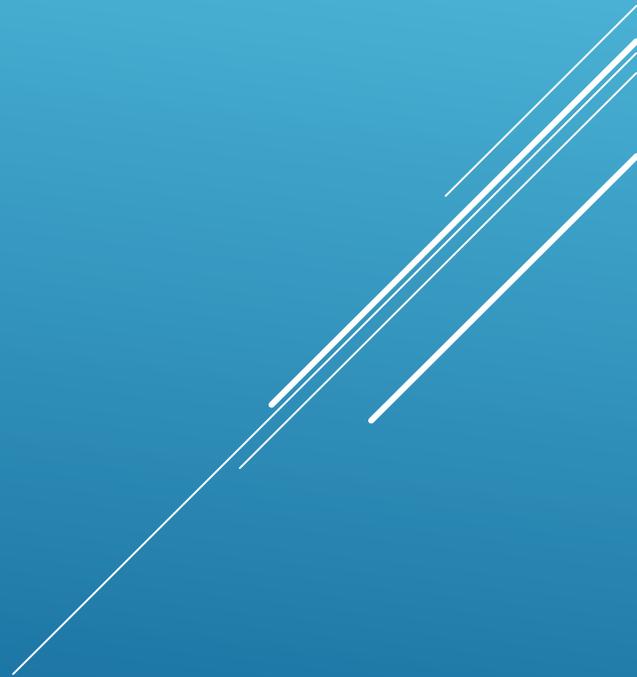


- ▶ Continuation of Rountree Formation Research

- ▶ Next step

- ▶ WI & MN Geologist

- ▶ Use of ERI (Electronic Resistivity Imaging) equipment to identify depths





# Goat Prairie Temp Study

## 3 Sites

Ferry Bluff  
Dewey Heights  
Battle Bluff

- Goal

- Determine Temperature Regime
  - Mesic vs. Thermic
  - Annual and Seasonal Temp Variations



- ▶ Ecological Site Descriptions - Soil Sort

- ▶ Region 10 would like to have all provisional ESD's by 2020

- ▶ We will complete a soil sort this year

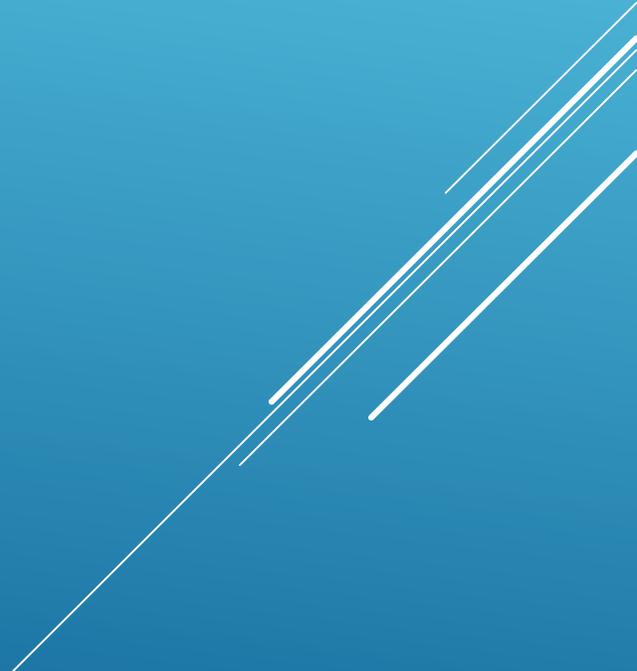
- ▶ In probably FY17 an ESD Specialist will write the provisional ESD's for MLRA 105

- ▶ In probably FY18 an ESD Specialist will write the provisional ESD's for MLRA 89

▶ Contact Information:

▶ [kevin.traastad@wi.usda.gov](mailto:kevin.traastad@wi.usda.gov)

▶ 608-782-0180 x105

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