

HOW TO KICK-START YOUR SITE EVALUATION: ENDANGERED RESOURCES, WETLANDS

March 18, 2020



Today's Presenters



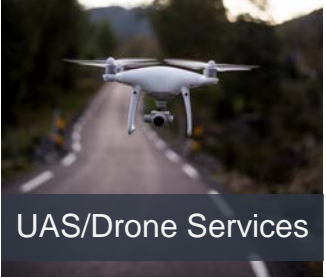
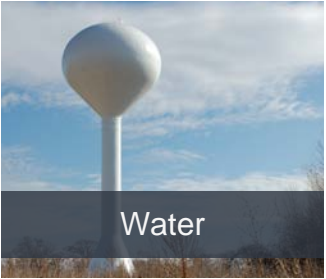
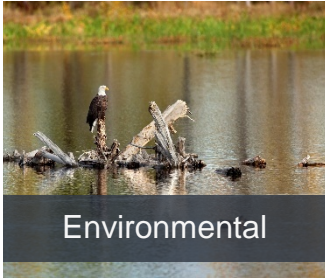
**Nick
Connor**
Sr. Biologist



**Christy
Poniewaz**
Biologist

About Ruekert & Mielke, Inc.

ENGINEERING SERVICES



TECHNOLOGY



Agenda



Endangered Resources



Wetland Delineation



Cultural Resources

ENDANGERED RESOURCES

NICHOLAS CONNOR

Senior Biologist
Ruekert & Mielke, Inc.



POLL QUESTION

1. If my project does not require a permit, do I still need an Endangered Resource Review?

- Yes
- No
- Depends if I'm feeling lucky

What is an Endangered Resource (ER) Review?

An evaluation of the information from Wisconsin's Natural Heritage Inventory (NHI) database that includes:

- ✓ Rare plants and animals,
- ✓ High quality natural communities
- ✓ Other endangered resources.

Why Do I Need an ER Review?



- Permitted projects
 - Application requirement
- Non-permitted projects
 - Compliance requirement for state and federal endangered species laws

When Do I Need an ER Review?

- Any project that has the potential to disturb:
 - Wetlands
 - Waterways
 - Woodlands
 - Other resources
- Should be completed early, early, early!
- Prior to permit application being issued to agencies for review



Information Needed to Begin an ER Review

- Project purpose
- Project area of disturbance



Common Results of an ER Review

- Broad incidental take permit
- Habitat not present
- Recommended measures
- Required measures



Preliminary VS Certified ER Review

- Cost
- Time
- Broad incidental take permit



Timeline for ER Review

- Preliminary
- Certified



WETLAND DELINEATION

CHRISTY PONIEWAZ

Biologist

Ruekert & Mielke, Inc.



POLL QUESTION

2. When should a wetland delineation be scheduled?

- Prior to design
- After construction schedule is prepared
- Not sure

What is a Wetland?



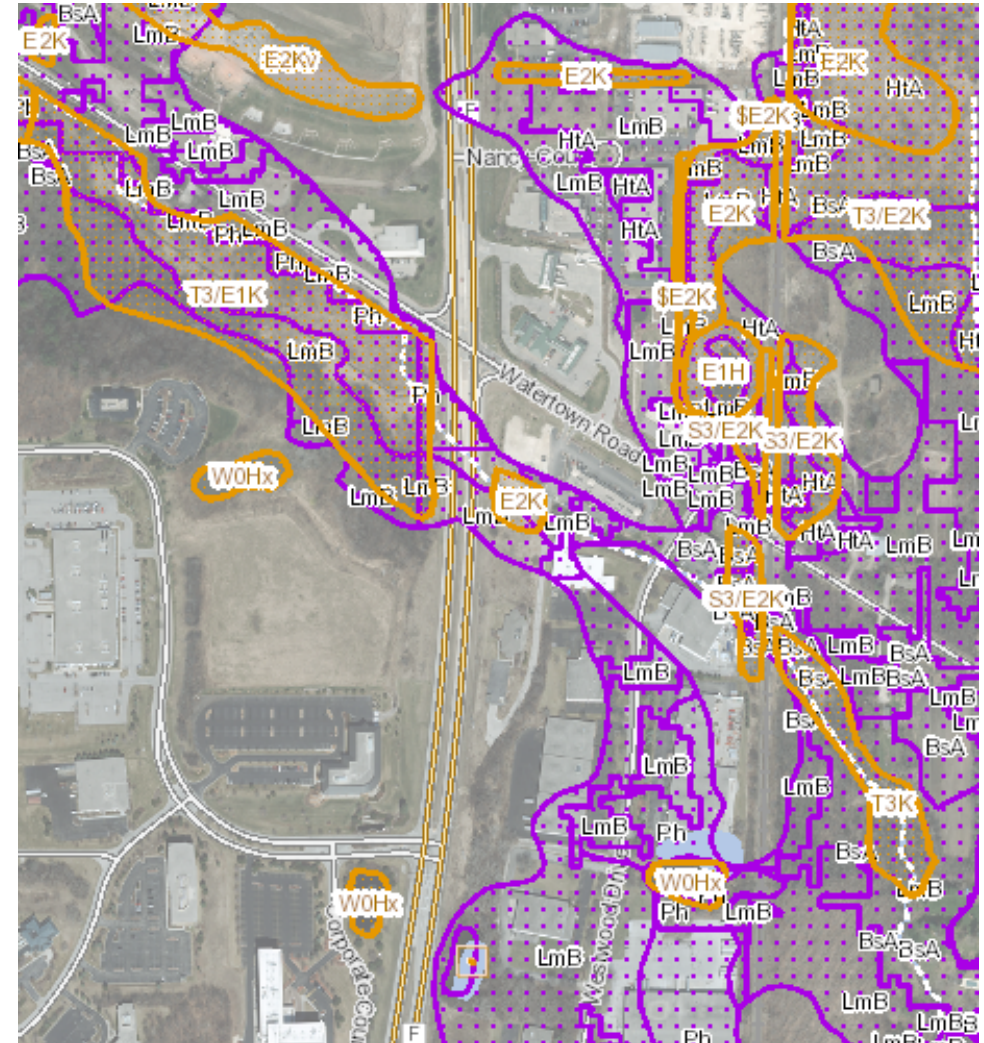
- Areas which are inundated or saturated by surface or ground water at a frequency and duration sufficient to support a prevalence of vegetation typically adapted for life in saturated soil conditions
 - ✓ Soil
 - ✓ Vegetation
 - ✓ Hydrology

Why Do I Need a Wetland Delineation?

- State and federal regulations
- A wetland professional is required to make the boundary determination
- Failure to comply can cause lengthy and expensive project delays

When Do I Need a Wetland Delineation?

- Area of disturbance contains
 - Wetlands
 - Hydric Soils
 - Waterways
 - NRCS Wet Spot

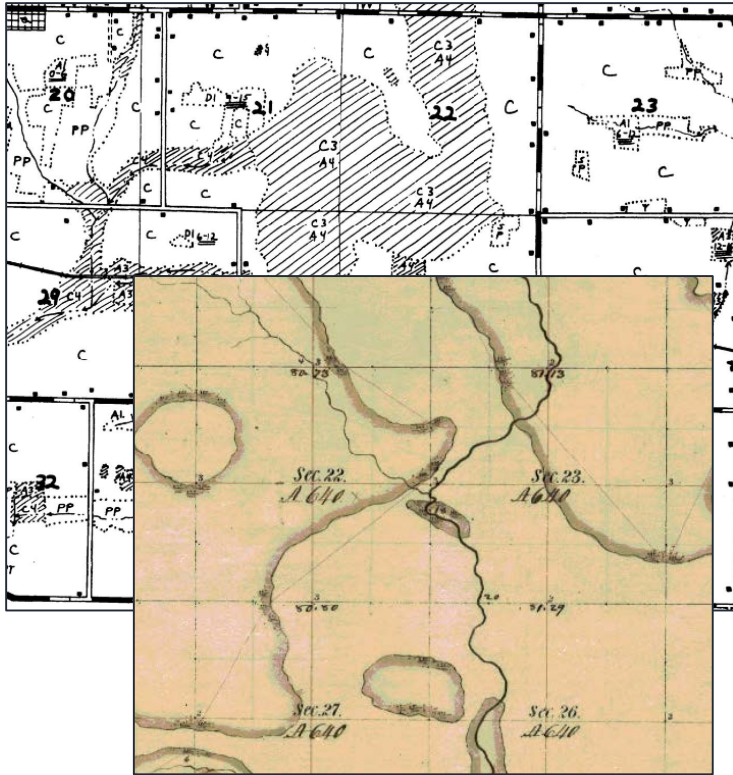


What information is needed to begin?

- Project purpose
- Total area of disturbance
 - Temporary & permanent



How are wetland delineations completed?



Desktop Analysis

+

Field Study

=

Wetland Report

How long does it take?



- Growing Season
- Field Visit
- Wetland Report
- Agency Confirmation

POLL QUESTION

3. What wetlands require permitting?

- Ephemeral Wetlands
- Perennial High-Quality Wetlands
- Federal & State Listed Wetlands
- All of the above

Timeline for Permits

- General Permit
- Individual Permit



Artificial Wetland Exemption



CULTURAL RESOURCES

NICHOLAS CONNOR

Senior Biologist
Ruekert & Mielke, Inc.



What is a Cultural Resource (CR) Review?

- An evaluation of the information from Wisconsin's Historic Preservation Database (WHPD) that includes:
 - ✓ Archaeological Report Inventory (ARI)
 - ✓ Archaeological Sites Inventory (ASI)
 - ✓ Architecture and History Inventory (AHI)
 - ✓ National Register of Historic Places (NRHP)

When and why to conduct a CR Review

- Any project that has the potential to disturb:
 - Archaeological sites
 - Architecturally and historically significant buildings and sites
- Requirement for permitted projects
- Prior to permits being issued to agencies for review

Questions?



**Nick
Connor**
Sr. Biologist



**Christy
Poniewaz**
Biologist