



Photo Credit: Mark Rogovin

# ROW Habitat Database

Rights of Way as Habitat  
Working Group

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Feb. 20, 2019



# Core Purpose

- **Central repository for tracking habitat areas**
- **Facilitate conservation partnerships**
- **Help avoid future listings**
- **Promote voluntary conservation actions**

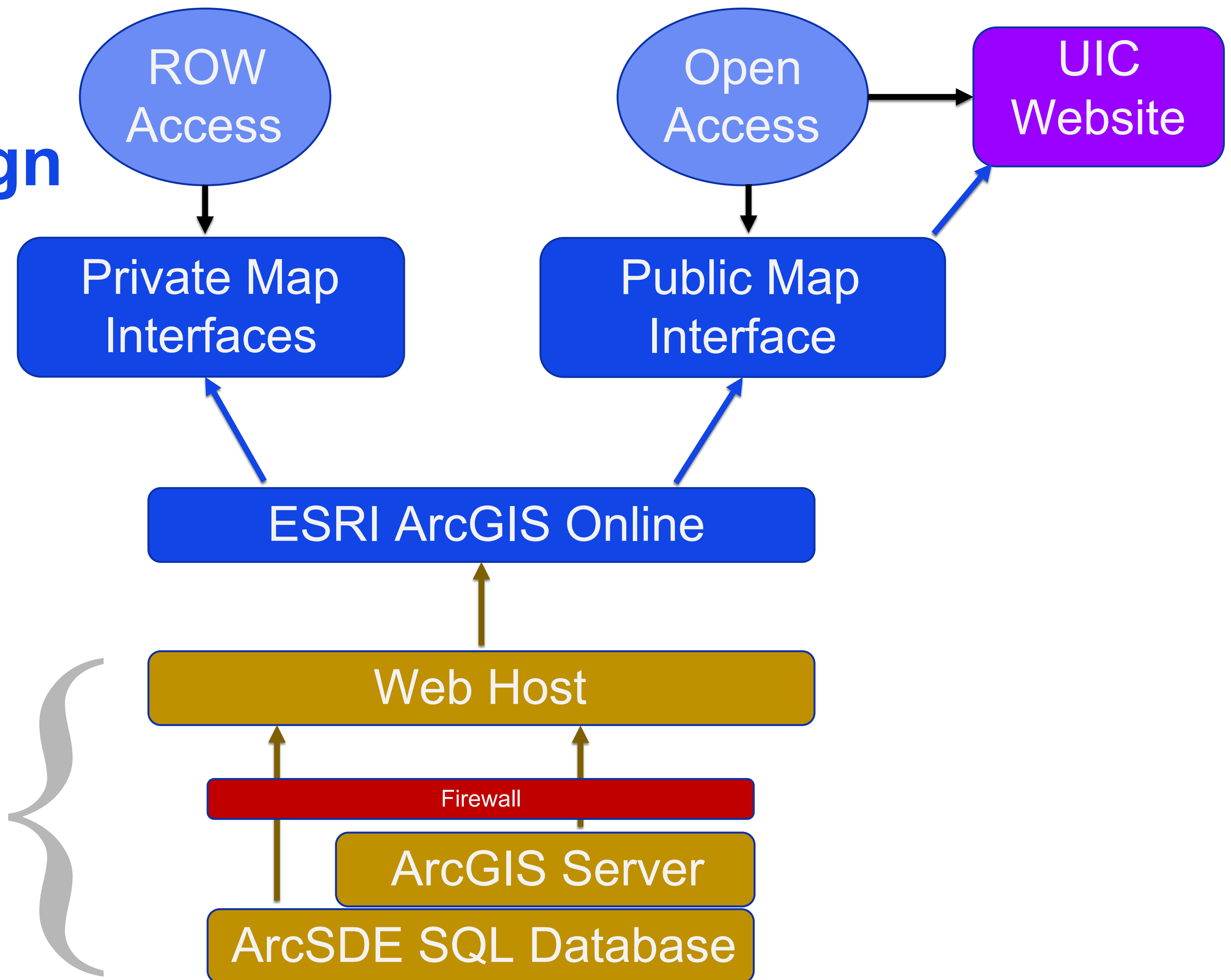
# Benefits of Participating

- **Collaboration**
- **Repository for Metrics and Monitoring** (e.g., Pollinator Scorecard)
- **Reporting Out** (e.g., MCD, CCAA)
- **Communicate** with stakeholders and the public
- **Track Conservation Goals and progress**
- **Understand the role of ROW organizations in supporting pollinators**

# System Design

Front-end:  
Interface and  
Authentication

Backend:  
Local Server  
System



# Workflows

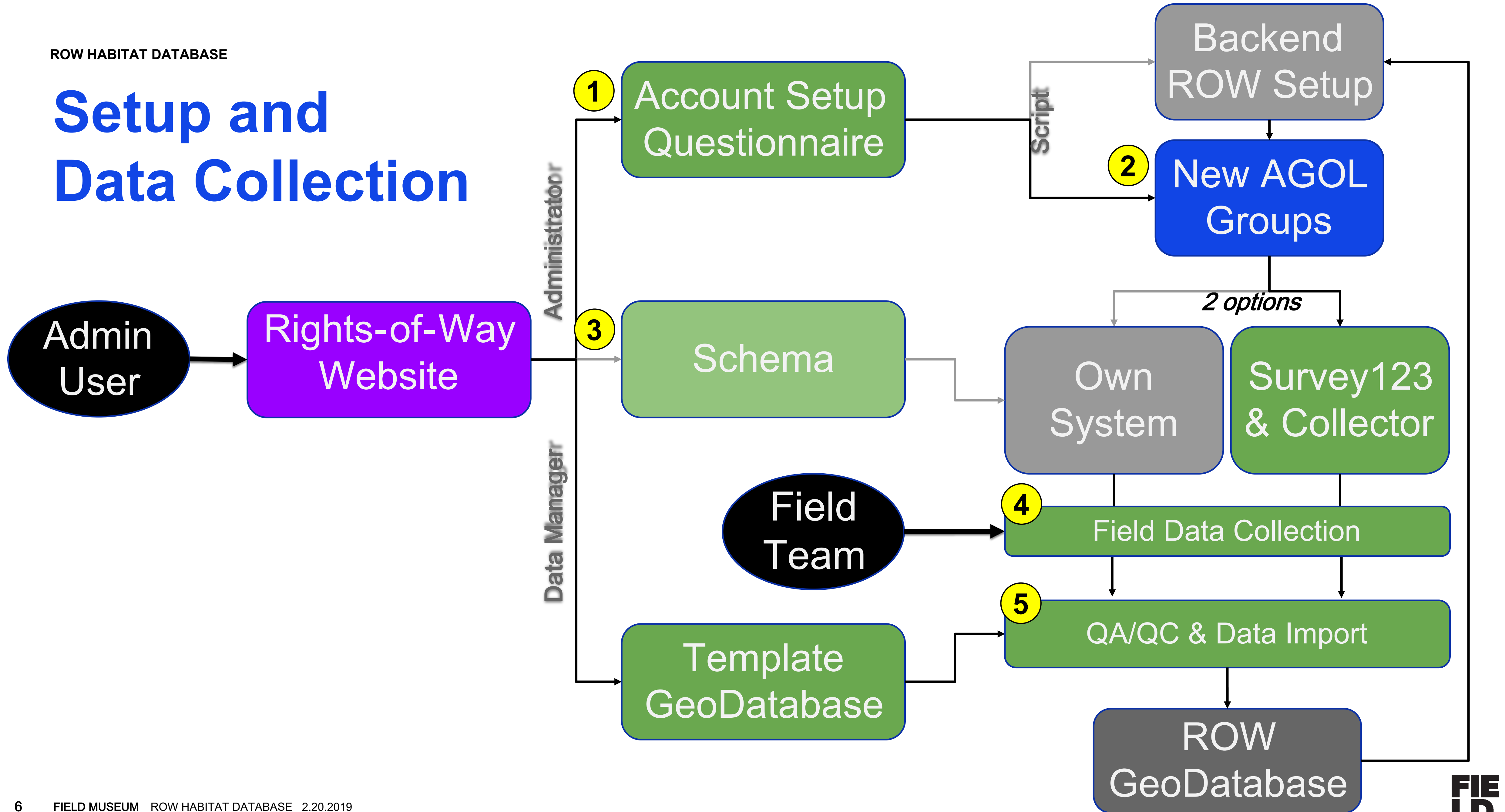
## Initial workflow

- **Setup and data collection**

## Future workflows

- **Importing prior fieldwork**
- **Analysis of management areas**
- **Reporting out**

# Setup and Data Collection



# Questionnaire

## ROW Intake Questionnaire

### ROW Database Intake Questionnaire

Welcome! We are gathering information for setting up your initial data access to the ROW Geospatial Database System. This is NOT a general survey.

1. Organization or Subsidiary Name \*

Please provide a short name to associate with this account (NOT the full legal name). ALSO NOTE: Large organizations should consider registering each participating daughter company or sub-division separately (especially if your organization maintains separate data or field management teams).

2. Parent Organization

Only relevant if this organization or sub-division has a parent organization.

3. Primary contact(s)

Primary contacts are responsible for authorizing

|                                | Full Name            | Email Address        | ArcGIS Online Username (optional) |
|--------------------------------|----------------------|----------------------|-----------------------------------|
| Database Account Administrator | <input type="text"/> | <input type="text"/> | <input type="text"/>              |
| Data Manager                   | <input type="text"/> | <input type="text"/> | <input type="text"/>              |

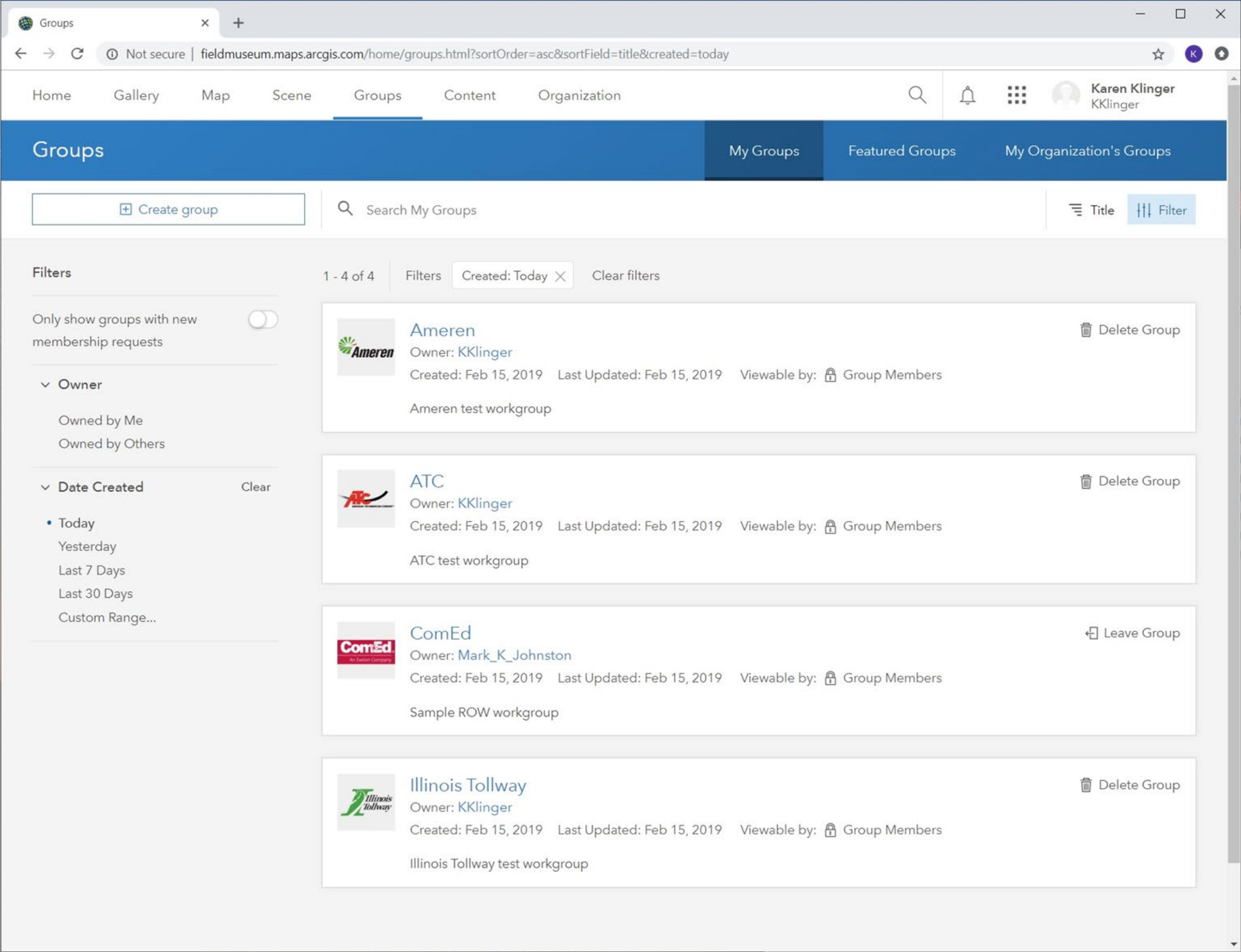
4. Please list ALL FIELDWORKERS who need to access the system and list their authorization level.

For the Authorization level (choose from "Admin" can add/remove users, "Editor" can add/import data, "Viewer" can see but not edit data)

|                      | Full Name            | Email Address        | ArcGIS Online Username (if any) | Authorization Level  |
|----------------------|----------------------|----------------------|---------------------------------|----------------------|
| Contact 1            | <input type="text"/> | <input type="text"/> | <input type="text"/>            | <input type="text"/> |
| Contact 2 (optional) | <input type="text"/> | <input type="text"/> | <input type="text"/>            | <input type="text"/> |
| Contact 3 (optional) | <input type="text"/> | <input type="text"/> | <input type="text"/>            | <input type="text"/> |



# Step 2



## Permission Groups

- Fieldworkers
- Data Managers



Step 3

ROW Pollinator Scorecard

**Rights-of-Way as Habitat Working Group  
Pollinator Habitat Scorecard**

Name of Assessor/Observer: \_\_\_\_\_  
Name of Organization: \_\_\_\_\_  
Site Name/Description: \_\_\_\_\_

Assessment Date: \_\_\_\_\_  
Survey Area: ☐ 150 ft x 10 ft  
☐ Other: Length \_\_\_\_\_ feet  
Width \_\_\_\_\_ feet

Survey Area Location:  
☐ On ROW perpendicular to center line  
☐ On ROW parallel to center line  
☐ On ROW diagonal to center line  
☐ Off ROW

Survey Location (latitude/longitude): \_\_\_\_\_

**Basic Assessment**

**1. Adjacent Land Use**  
Land use within 100 ft of site (see definitions on back page)  
Check all that apply:  
☐ CROP ☐ WOOD ☐ WET  
☐ HED ☐ IDLE ☐ DIV ☐ DEV ☐ Other: \_\_\_\_\_

**2a. Potentially Blooming Nectar Plants (PBN)**  
Include wildflowers and blooming shrubs that provide floral resources, while excluding grasses and woody species that do not bloom. Floral resources provide nectar and pollen to pollinators.  
Indicate total number of PBN species:  
☐ 0 ☐ 1-4 ☐ 5-9 ☐ 10+  
Estimate total percent cover of PBN species:  
☐ < 5% cover ☐ 26 - 50% cover ☐ > 75% cover  
☐ 5 - 25% cover ☐ 51 - 75% cover

**2b. Potentially Blooming Nectar Plants (PBN)**  
Indicate number of *native* PBN species:  
☐ 0 ☐ 1-4 ☐ 5-9 ☐ 10+  
List known PBN species (mark "b" if currently blooming):  
\_\_\_\_\_  
List known noxious/invasive species:  
\_\_\_\_\_  
Estimate total percent cover of noxious/invasive species:  
☐ < 5% cover ☐ 26 - 50% cover ☐ > 75% cover  
☐ 5 - 25% cover ☐ 51 - 75% cover

**3a. Milkweed**  
Estimate total number of milkweed plants:  
☐ Unknown ☐ 1-10 ☐ 51-100 ☐ 500+  
☐ 0 ☐ 11-50 ☐ 100-500

**3b. Milkweed**  
List milkweed species: \_\_\_\_\_  
Estimate number of milkweed stems by species:  
☐ 0 ☐ 1-10 ☐ 51-100  
☐ 11-50 ☐ 100-500 ☐ 500+  
☐ 0 ☐ 1-10 ☐ 51-100  
☐ 11-50 ☐ 100-500 ☐ 500+  
☐ 0 ☐ 1-10 ☐ 51-100  
☐ 11-50 ☐ 100-500 ☐ 500+

**4. Additional Habitat Resources**  
Check all that apply:  
☐ Native bunch grasses ☐ Plants with hollow, pithy stems  
☐ Brush piles ☐ Larval host plants  
☐ Undisturbed thatch ☐ Artificial stem bundles/nesting blocks  
☐ Dead wood / snags ☐ Available water sources  
☐ Undisturbed bare ground ☐ Rock piles  
☐ Basking areas (no-shade)

*Draft*

(Continued on second page)

Schema Spreadsheet

| D24 |   |                      |   |
|-----|---|----------------------|---|
|     | A   | B                    | C   |
| 1   | Table Name  | PollinatorScorecard  |   |
| 2   | Table Alias   | Pollinator Scorecard |   |
| 3   |   |                      |   |
| 4   | Field Name  | SurveyTier           | MilkweedPresent                           |
| 5   | Field Alias   | Survey Tier          | Tier 1: Is Milkweed Present?              |
| 6   |   |                      | Tier 2: More than 10% Nectar Plant Cover? |
| 7   | Who has access (Org/Contractors, Collaborators, All ROW participants, Public) |                      |   |
| 8   | Pollinator Survey Tier  | Tier                 | Tier 1                                    |
| 9   |   |                      |   |
| 10  | Related Table using key   |                      |   |
| 11  | Related FC  |                      |   |
| 12  |   |                      |   |
| 13  | Data Type   | Short                | Text                                      |
| 14  | Length  |                      | 10  |
| 15  | Required  |                      |   |
| 16  | Domain  | Yes                  | Yes                                       |
| 17  | Domain Name   | SurveyTier           | YesNo                                     |
| 18  | Default Value   |                      | TBD                                       |
| 19  |   |                      |   |
| 20  |   | 1                    | Yes                                       |
| 21  |   | 2                    | No  |
| 22  |   | 3                    | TBD                                       |

Data Collection

Survey123  
&  
Collector

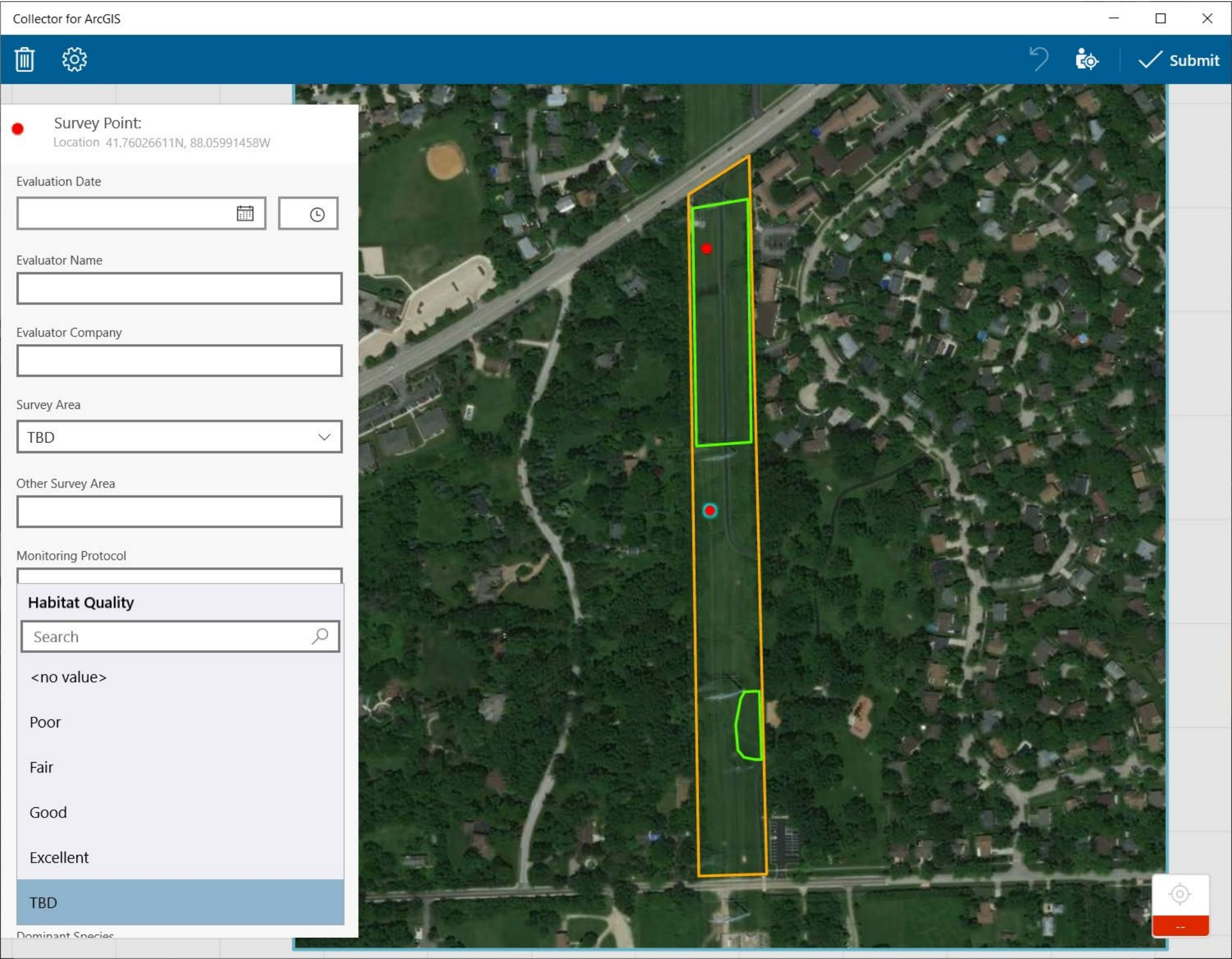
Own  
System



Step 4

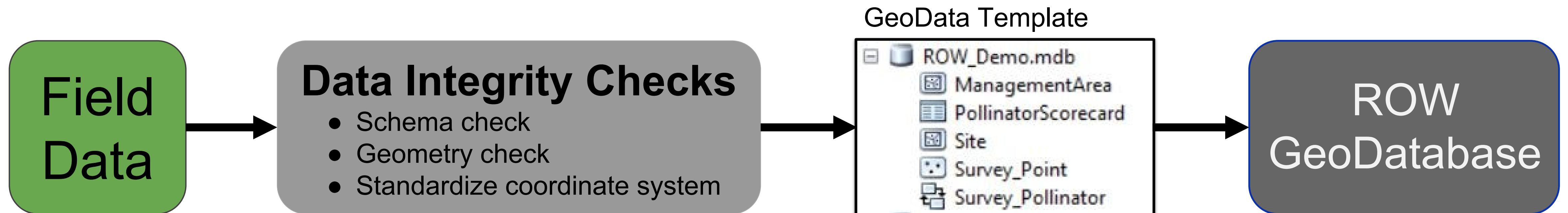
Field Data Collection

ESRI Collector



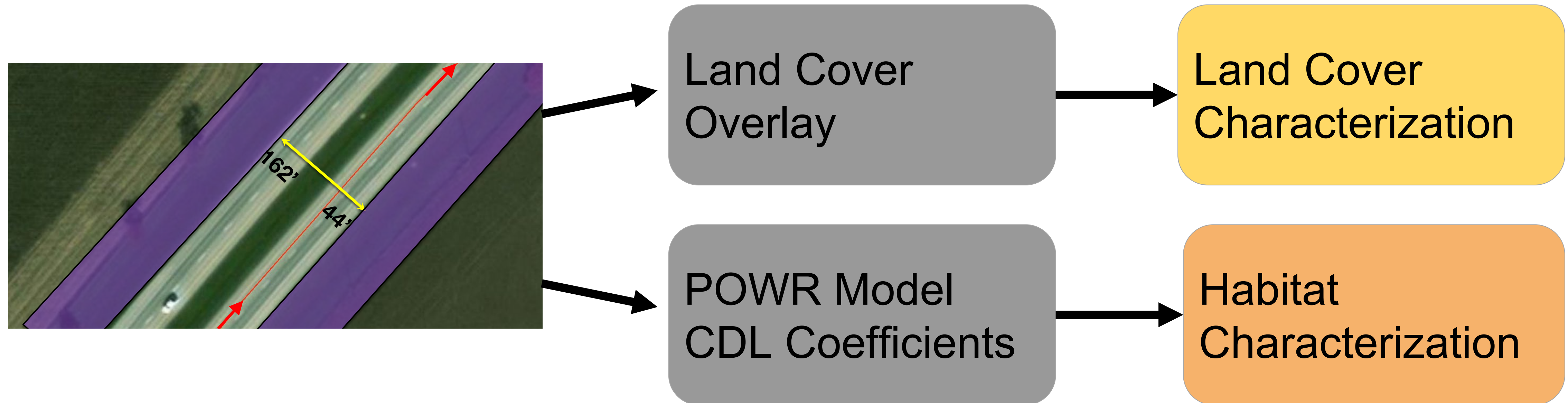


# Field Data QA/QC and Import Process

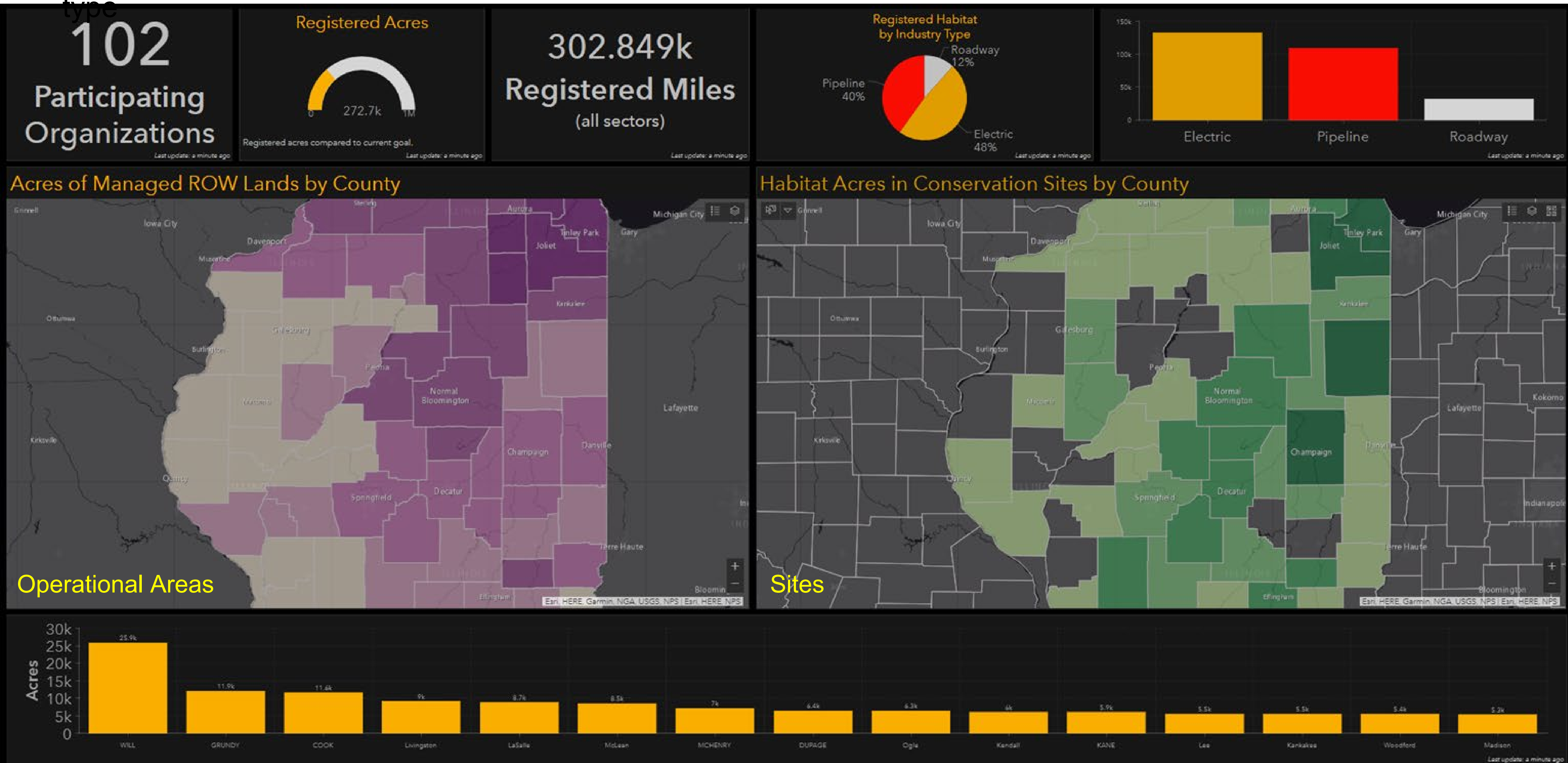




## Data Analysis



# Data Analysis and Visualization — Public Dashboard: Data summarized at county-scale by ROW type



# Implementation Process

|                           |  |
|---------------------------|--|
| <b><i>Mar - April</i></b> | Finalize account setup & schema with Design Team |
| <b><i>May - June</i></b>  | Geodatabase & schema available to ROWs           |
| <b><i>June - Aug</i></b>  | Field Data Collection                            |
| <b><i>Aug - Sept</i></b>  | QA/QC and import                                 |



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*Design Team Partner Organizations*

