



C139 Project: Mapping Treated Invasive Vegetations

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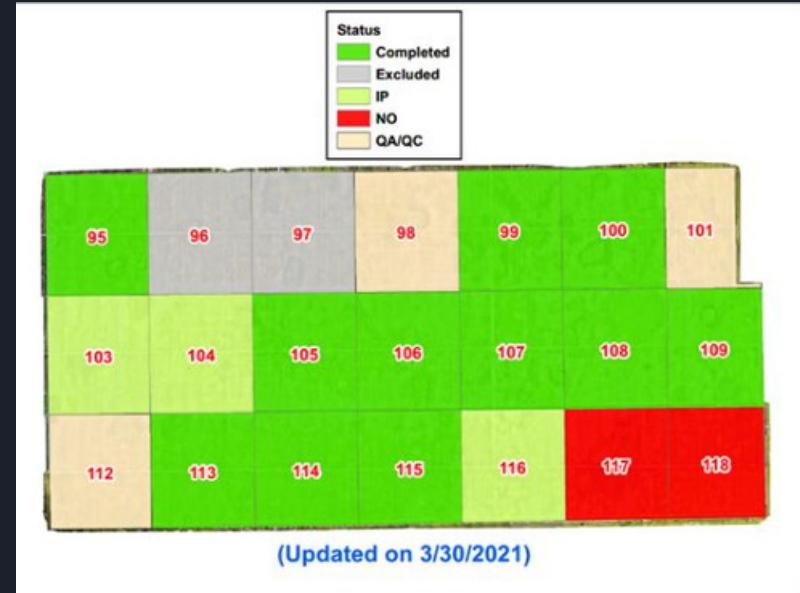


Background Information

- C139 Abiaki Prairie is located in Hendry County
- There is an ongoing **restoration effort to remove invasive species**
- In 2017, the area was treated to **remove Torpedo Grass.**
- Drone images were used to observe treated areas
- Over the course of 2018 and 2019, the **areas were treated several more times** for several plant species
- All vegetation that has been treated is identified and can be found in the feature classes

How Was This Done?

- Use 2019 drone images to identify areas of treated vegetation
 - Annie: Cells 98 and 103
 - Alex: Cells 101 and 104
- Use feature classes in respective GDB to make 2019 edits
- Use 2017 drone imagery for reference of treated areas



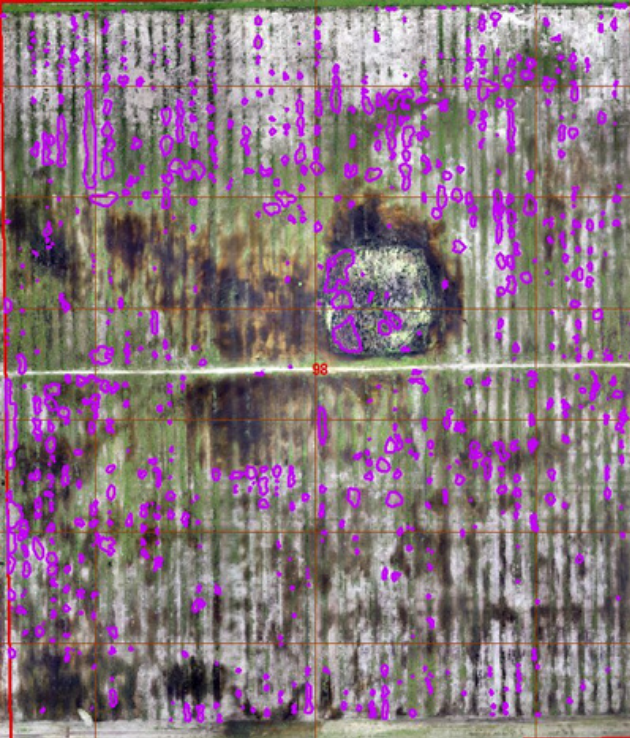


How We Identified the Treated Areas

- What to look for:
 - **Brown** or grey areas that have a **hay-like texture**
- Our Procedure:
 - First, the cells were analyzed at a **1:250-1:500 ratio** and **large areas were digitized**.
 - Moving from **North to South** within the cells and switching between the 2019 and 2017 layers to confirm what areas were treated vegetation
 - Once completed, digitized areas were reviewed in the first biweekly meeting
 - Cells were then analyzed at a **1:125 ratio to digitize areas that were missed** and to **fix borders** of the ones that were previously digitized.

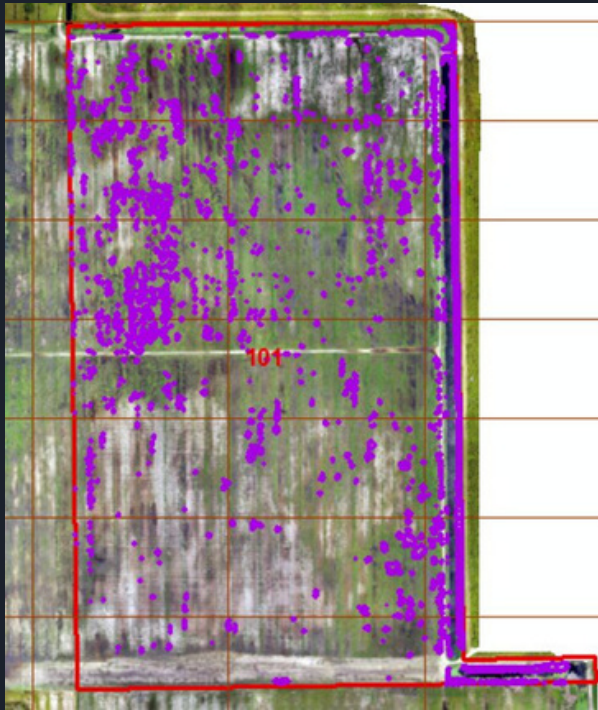
Cell 98

- Most invasive vegetation found on sandy areas in the NE & NW
- Less invasive vegetation found in the South

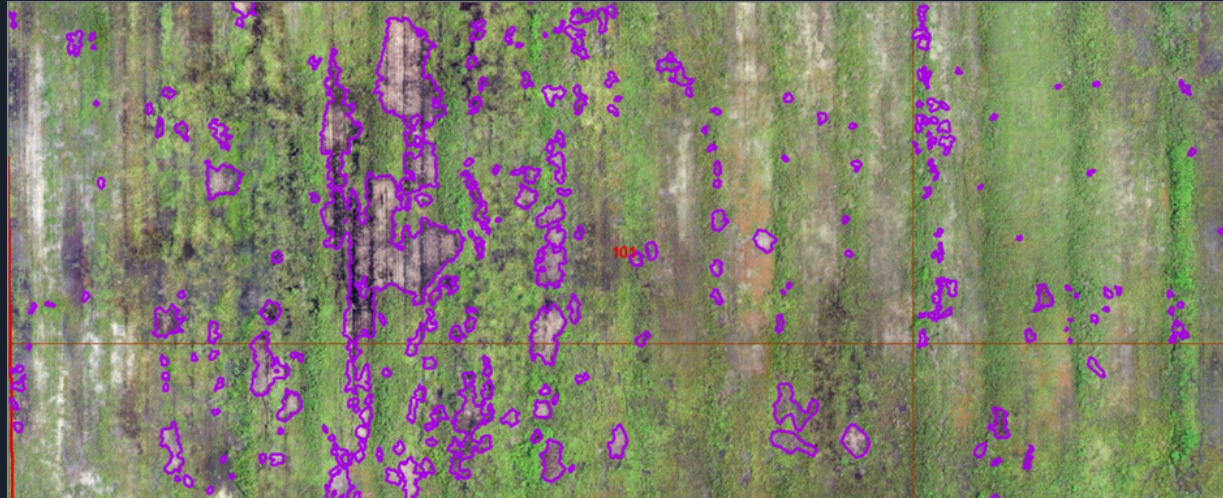


Cell 101

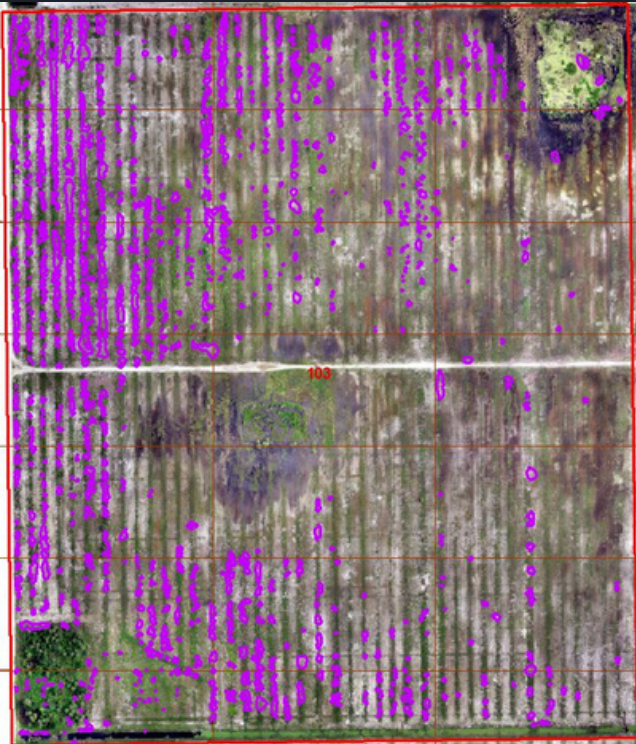
- Found in the Northeastern corner of Abiaki
- Prairie Notable features:
 - Large canal running along the Eastern most border of this
 - cell Larger bare spot in the Southwestern area of the cell



- This cell has been moved to QA/QC as of March 30th



Cell 103



- Cell is not completed
- West side of the cell is full of invasive vegetation

Cell 104

- Located centered in the Abiaki
- Prairie Some noticeable features:
 - Small Wetland area in the Northeast section
 - Small pond area in the Northern section
- Just started in late March, going to be continued into the summer

