



DEP'S DATA AND ANALYTICS JOURNEY

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Photo by Casey Horner on Unsplash





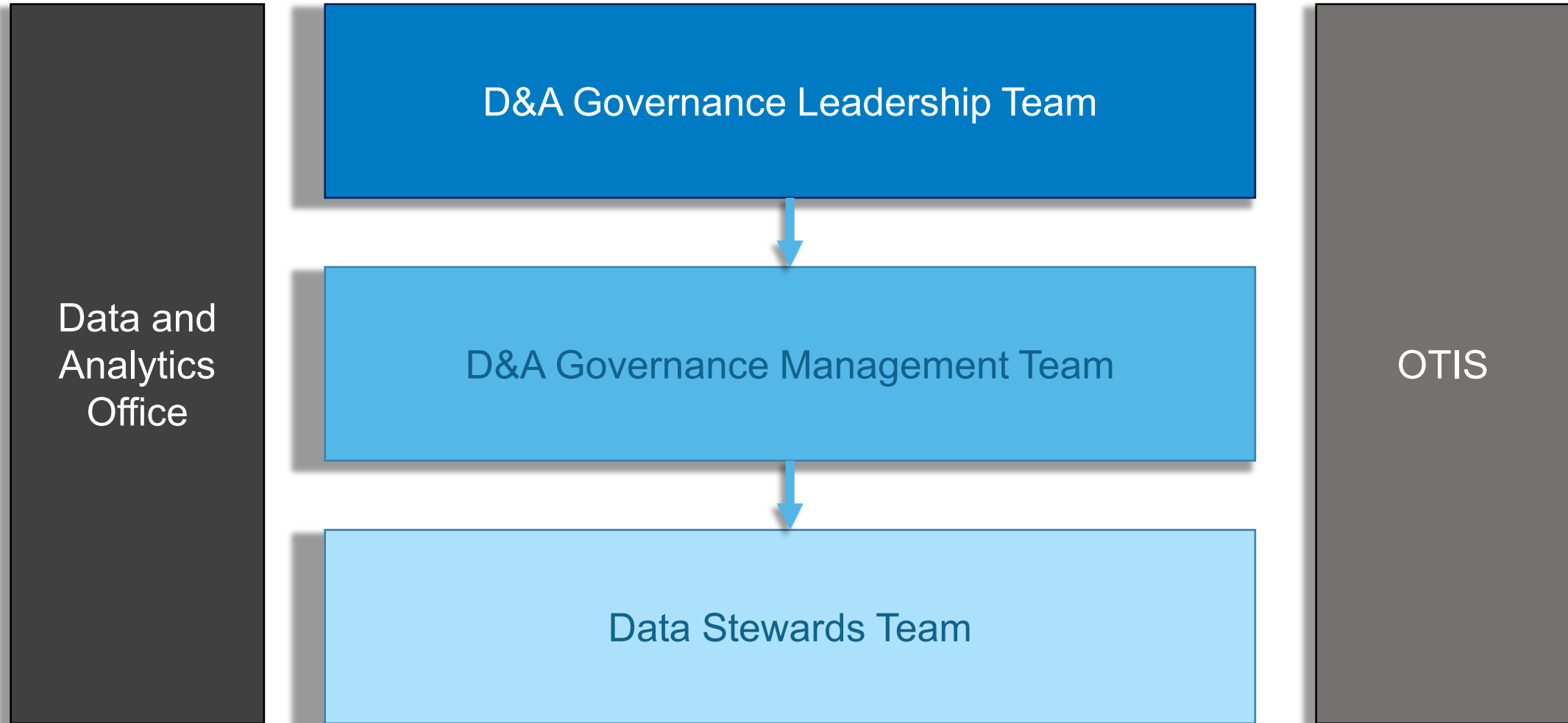
**“In the midst of chaos,
There is also opportunity.”**

-Sun Tzu, *The Art of War*





DATA GOVERNANCE STRUCTURE





DATA LITERACY

CURRENT MEMBERS' ADOPTION ⓘ



- Members started ⓘ
- Members not started
- Invites pending

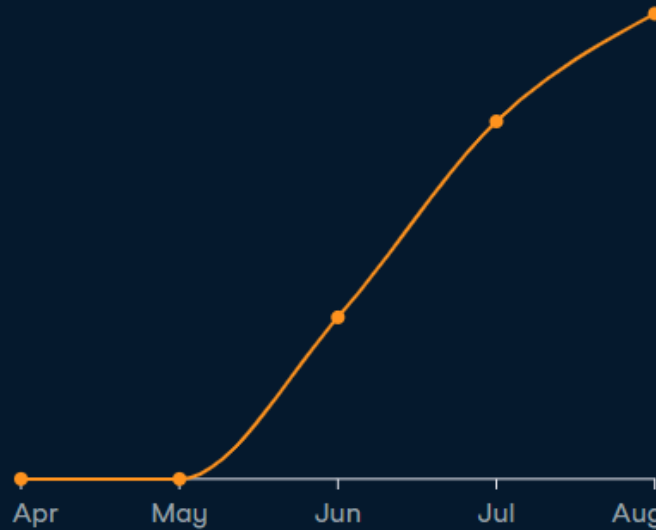
Manage Members

CUMULATIVE TIME ON PLATFORM ⓘ

190

TOTAL HOURS

↑95 IN THE LAST 30 DAYS



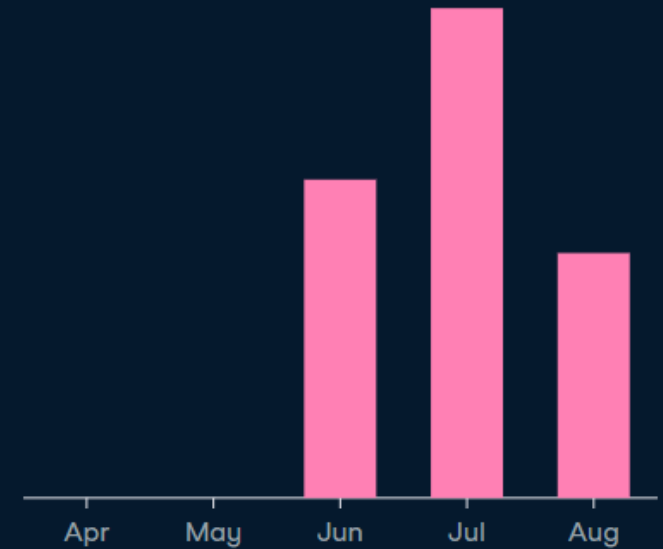
Create Custom Track

MEMBERS WHO HAVE EARNED XP ⓘ

61

TOTAL MEMBERS

↑18 IN THE LAST 30 DAYS



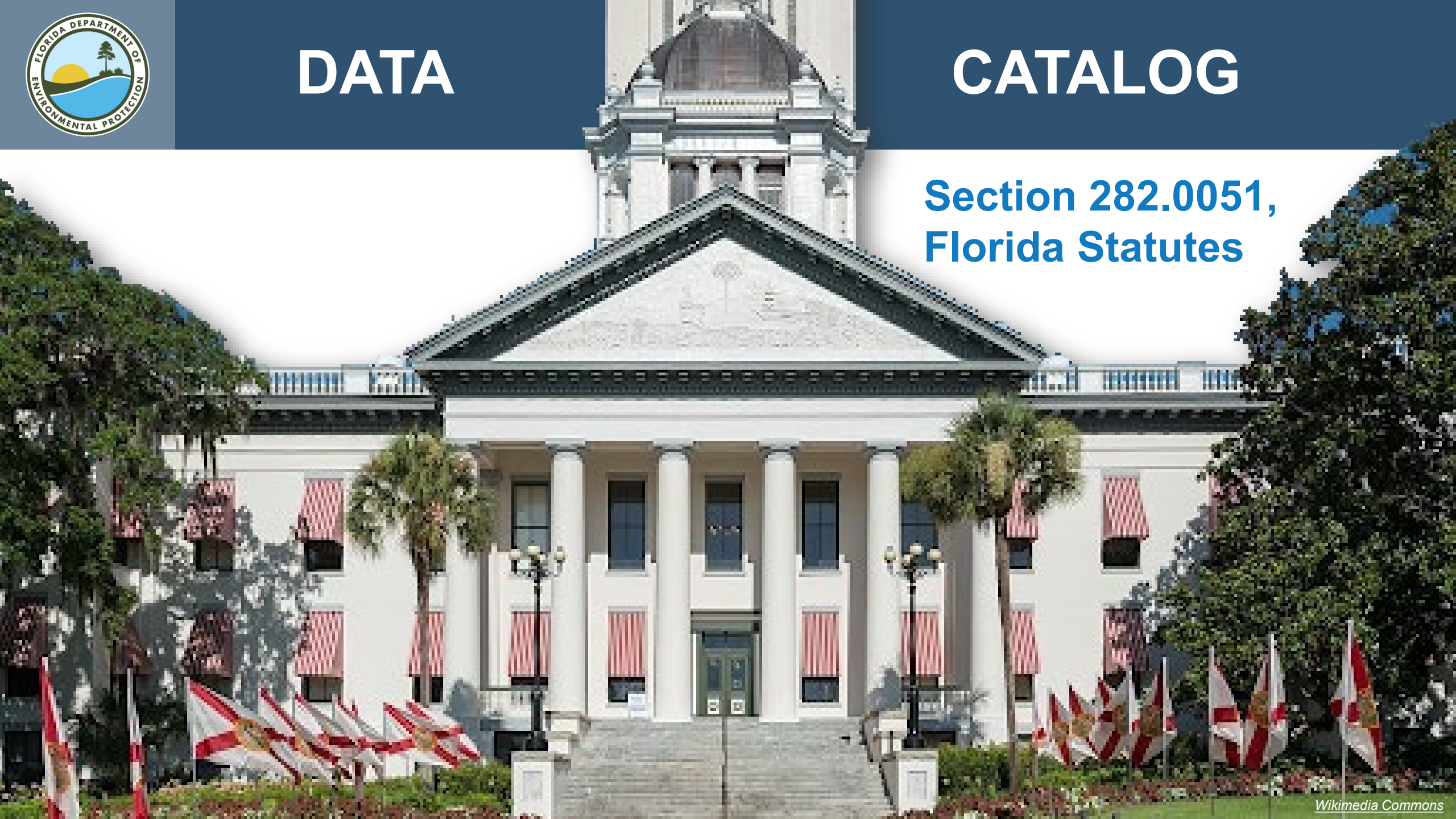
View Leaderboard



DATA

CATALOG

**Section 282.0051,
Florida Statutes**







THE CHALLENGE: HARMFUL ALGAL BLOOMS

HAB PREDICTION FOR FLORIDA LAKES

FILTERS

Prediction Start Date

- 2026-04-06
- 2026-04-05
- 2026-04-04
- 2026-04-03
- 2026-04-02
- 2026-04-01

Select Q90 Range

0 - 253

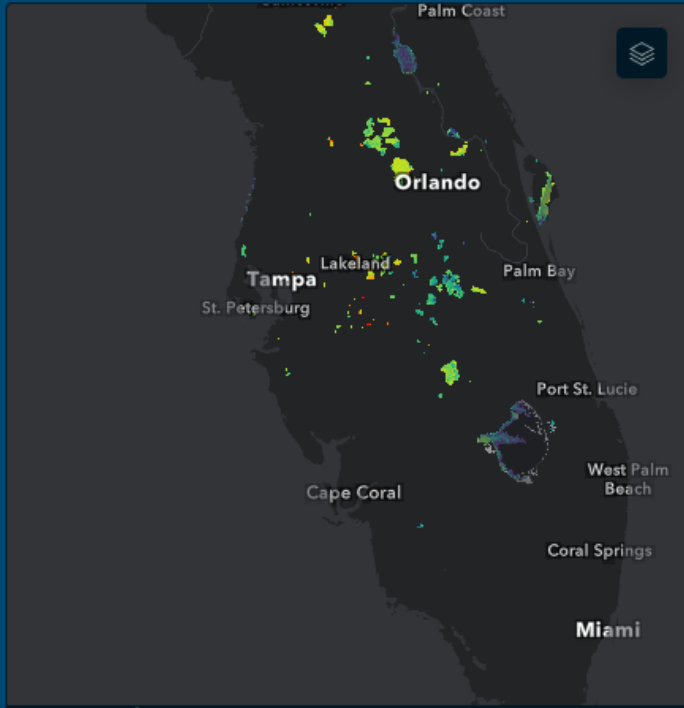
Set to minimum Set to maximum

Reset

Select a Lake/Zone

- Alligator Bay/Dads Bay

HAB Imagery for Resolvable Lakes



University of South Florida | FDEP | Esri | TomTom | Gar... Powered by Esri

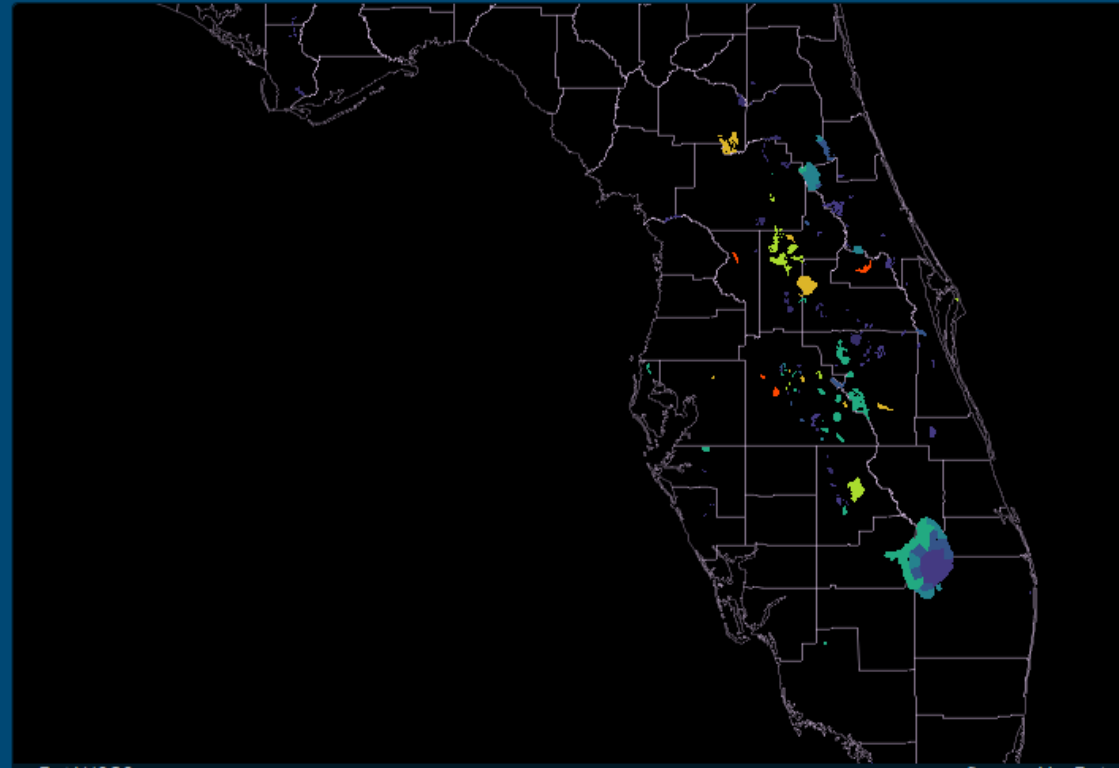
HAB Prediction

PRED_Q90_ME

- > 221 - 235
- > 201 - 221
- > 181 - 201
- > 161 - 181
- > 90 - 161
- > 61 - 90
- > 35 - 61
- > 13 - 35
- 0 - 13

Average Zonal Q90

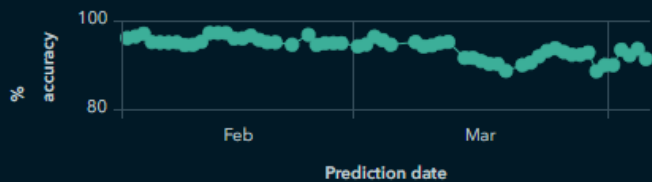
78.3



Esri | USGS

Powered by Esri

HAB Model Accuracy



LAKE/ZONE

PRED_Q90_MEAN

| | |
|------------------------|------|
| Alligator Bay/Dads Bay | 16.7 |
| Alligator Lake | 10.5 |



Water Quality Status

Restoration Projects

SELECT A PROJECT

Guide ?

Zoom in or select a marker on the map to view detailed project information.

This map shows water quality projects that were reported as completed, ongoing, or underway. You can select the Status pane on the right side of your screen to change which projects of interest display.

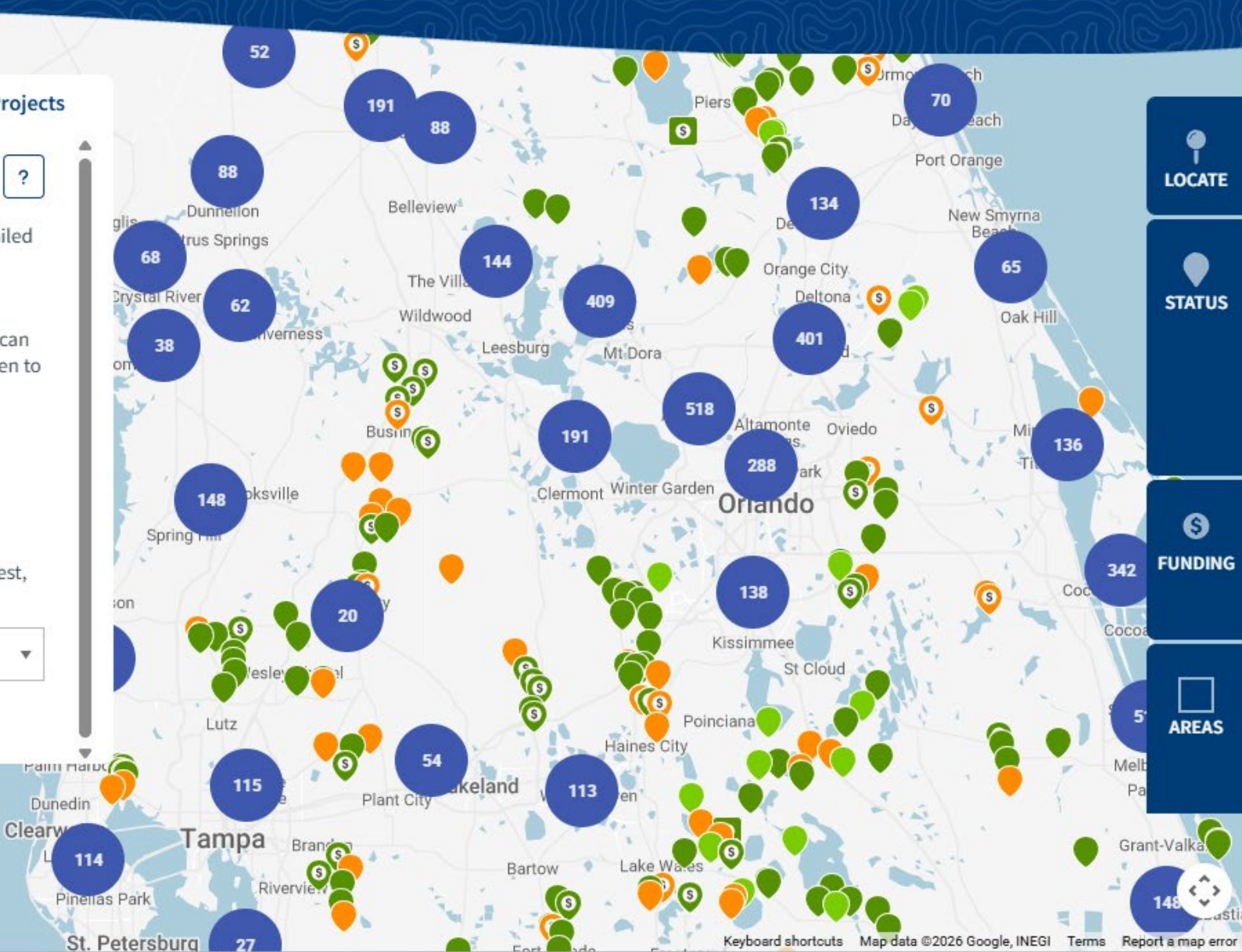
Square markers indicate projects with estimated locations. View list of all projects with unconfirmed locations

Boundaries

To interact with projects within a boundary of interest, please make a selection below.

Statewide ▾

[Download All Projects CSV](#)



LOCATE

STATUS

FUNDING

AREAS



THANK YOU

Chris Peary

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