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Matagorda Bay Ecosystem Assessment

Chelsea Jones
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Natural Resources Program



Photo credit: Colin McDonald



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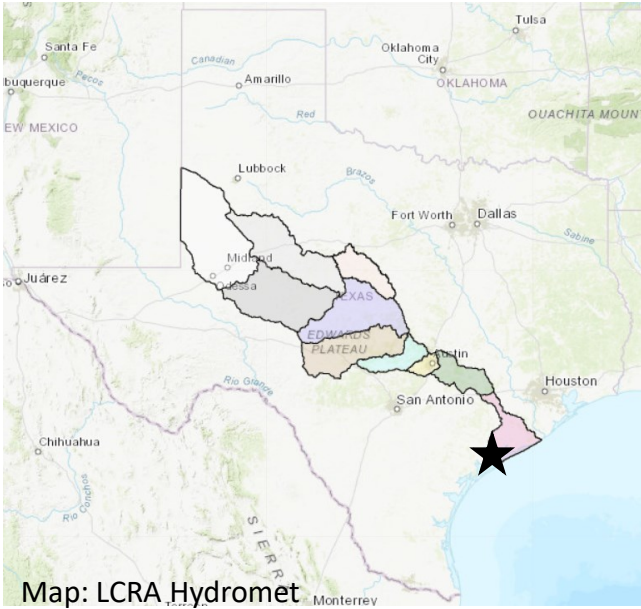
Natural Resources Program

The program collaborates with communities & stakeholders to identify knowledge gaps and support ecological research to contribute to the ESA listing process and long-term conservation strategies.





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Map: LCRA Hydromet



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AeroGRID, IGN, and the GIS User Community





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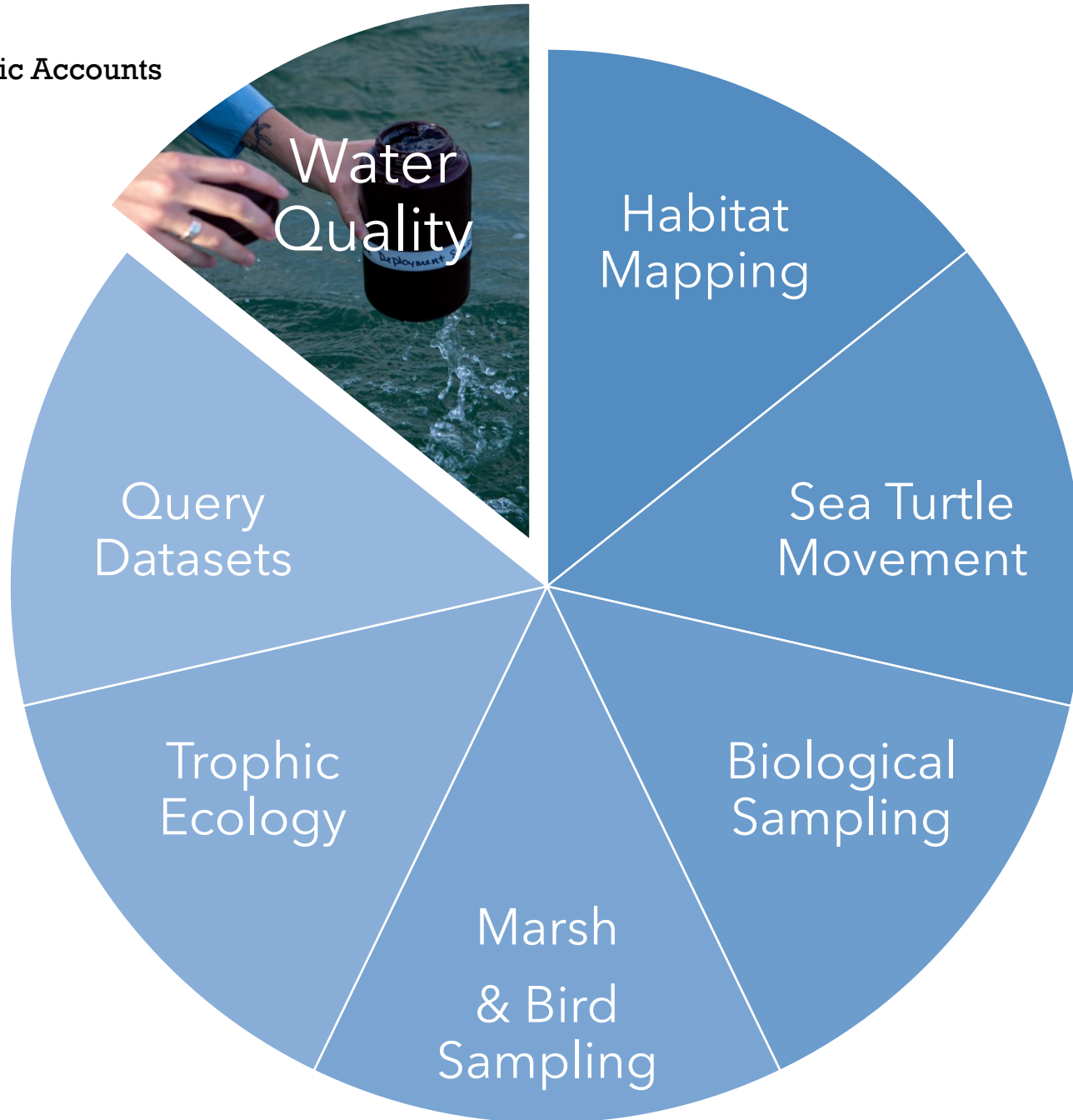
Project Goals

1. inform the development of conservation strategies for endangered sea turtles
2. explore potential conservation strategies and priority areas for bird species of interest concerning potential impacts from flooding and sea level rise.



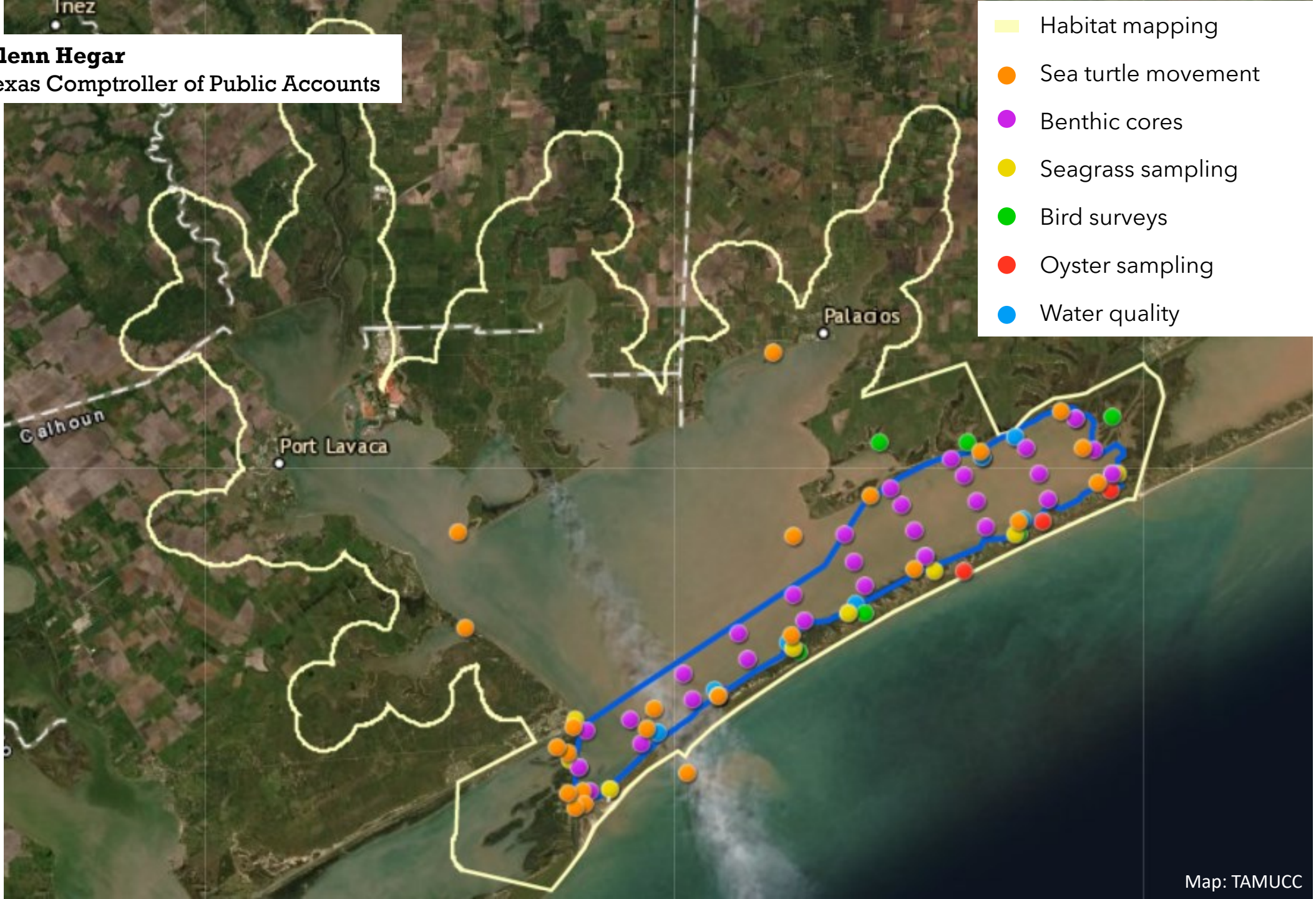


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Water Quality Goals:

Evaluate the influence of habitat arrangement & water quality on habitat suitability

- monthly, seasonal, and weather-related sampling
- Long-term trend analysis





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Monthly sampling:

- Temperature
- Salinity
- Dissolved oxygen
- pH
- Chlorophyll
- Nutrients
- Dissolved organic matter

Long-term trend analysis

- TCEQ water quality monitoring
- TPWD biological monitoring data





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More information:

StoryMap:

[Chapter 1. Introduction](#)

[Chapter 2. Open Waters](#)

Project Webpage:

[Natural Resources](#)

[Sportfish Center](#)

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