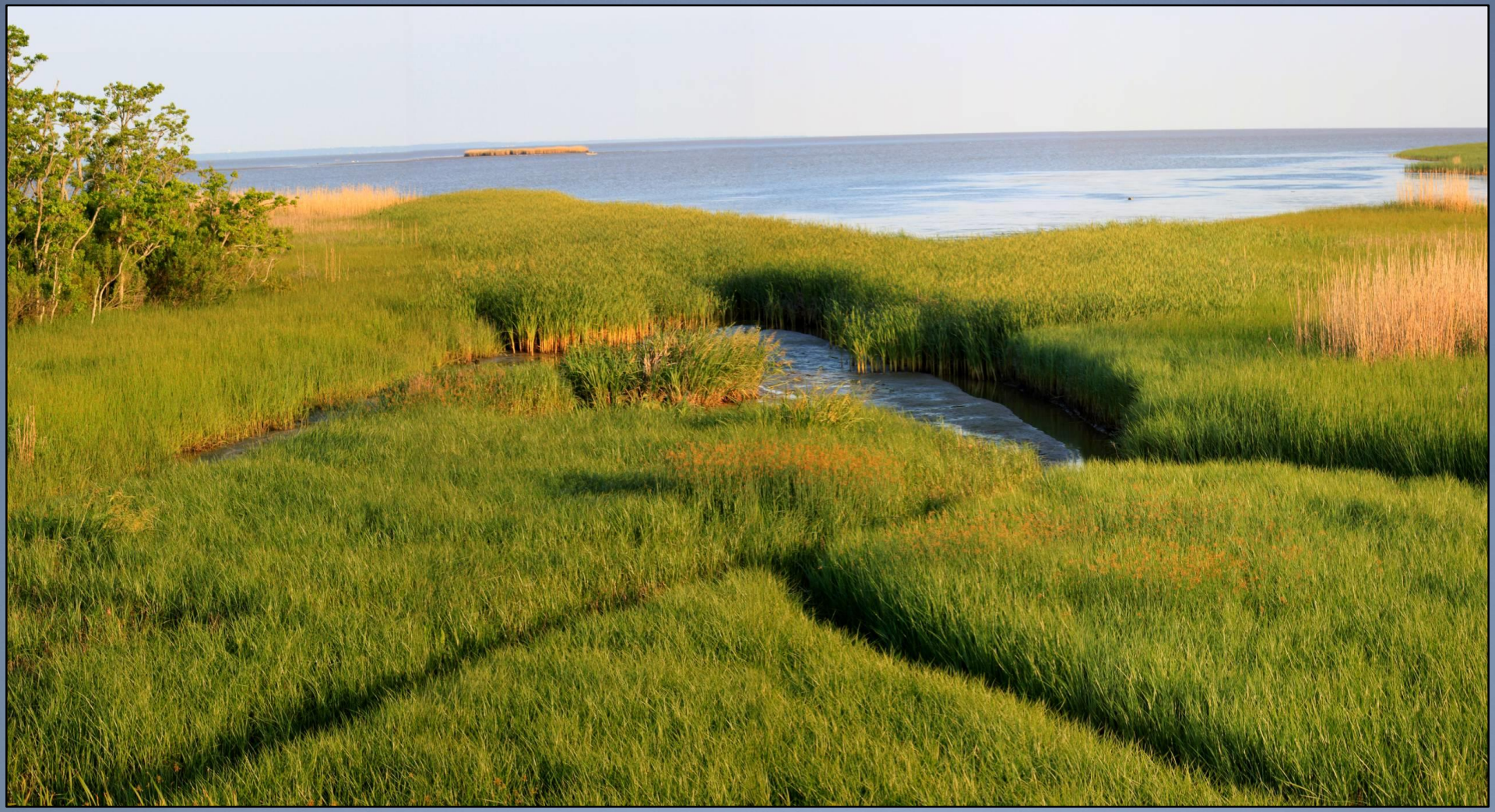
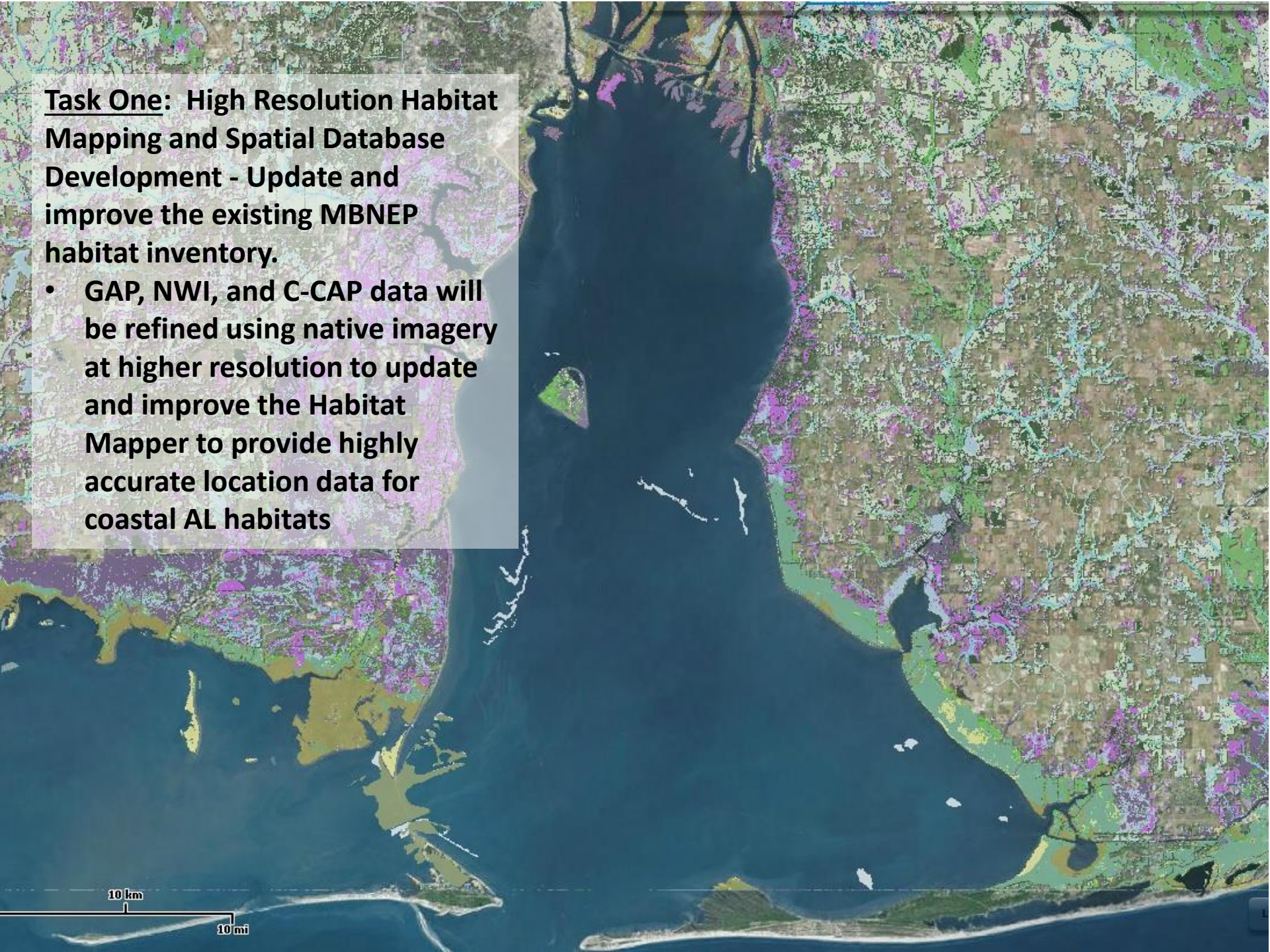


A Proposal to the **National Fish and Wildlife Foundation** for funding through the **Gulf Environmental Benefit Fund**:

Coastal Alabama Restoration Program- Phase I

MBNEP, guided by the Science Advisory and Project Implementation committees, will produce high-resolution maps of Alabama's coastal habitats, including SAV, to determine types, conditions, and areal extent; develop comprehensive watershed management plans for priority intertidal watersheds, and develop a habitat restoration plan coupling data from maps with recommendations from CWMPs to prioritize restoration and conservation activities.

<u>Task One</u>: High Resolution Habitat Mapping and Spatial Database Development - Update and improve the existing MBNEP habitat inventory.



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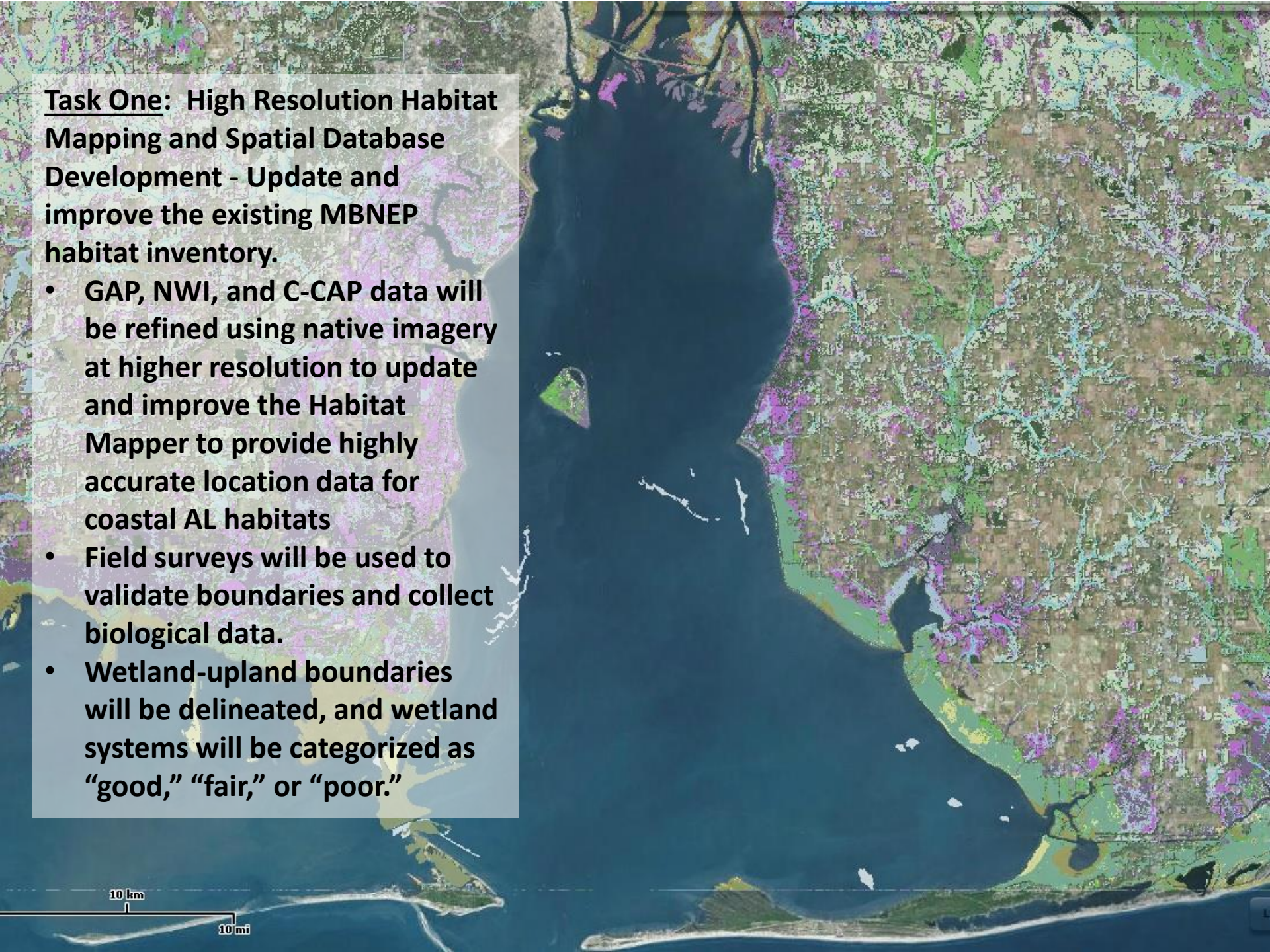

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- **Wetland-upland boundaries will be delineated, and wetland systems will be categorized as "good," "fair," or "poor."**

Task Two: SAV Mapping in Mobile Bay, the Mobile-Tensaw Delta, Mississippi Sound, and Other Coastal Waters of Baldwin and Mobile Counties

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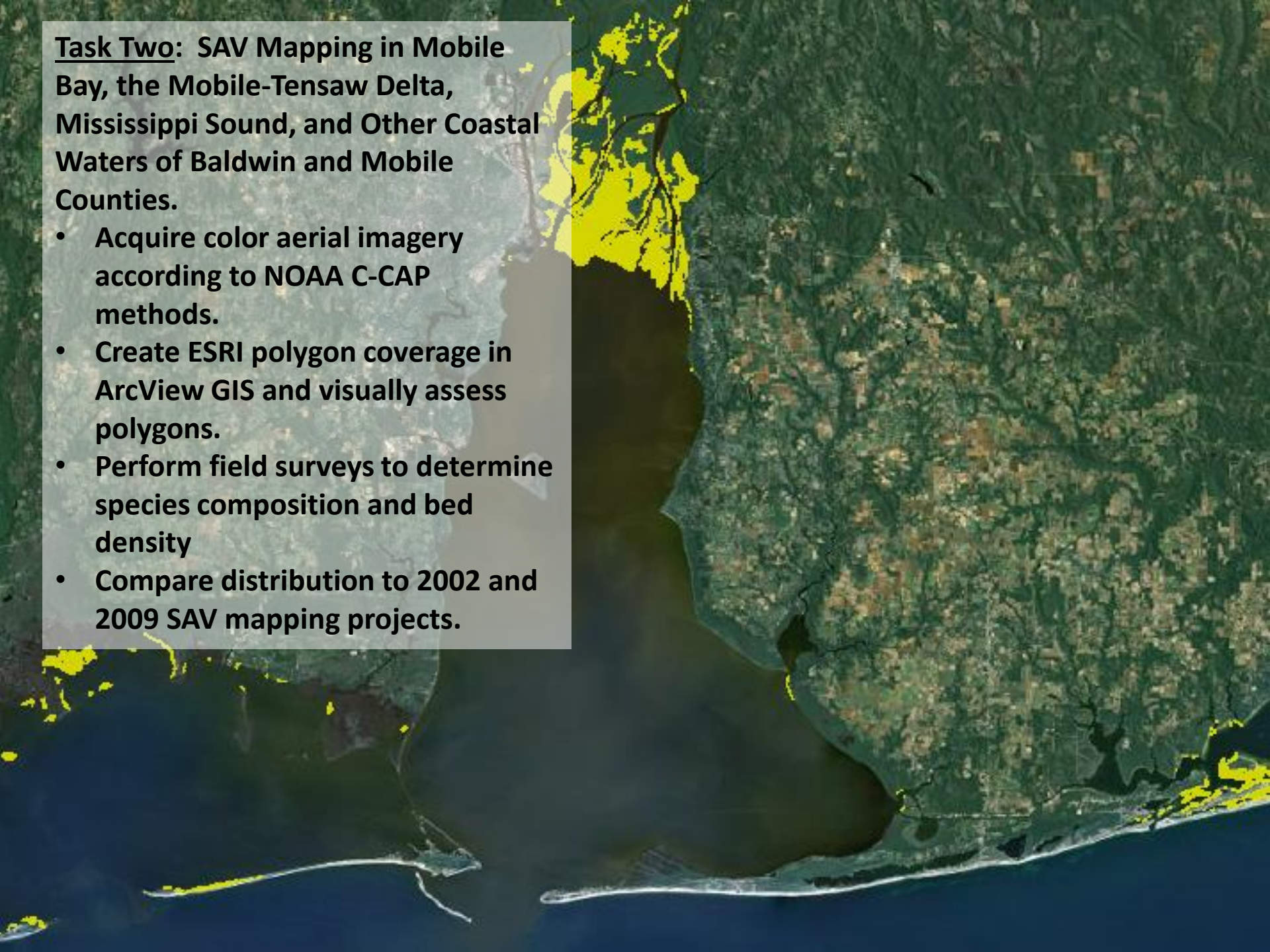

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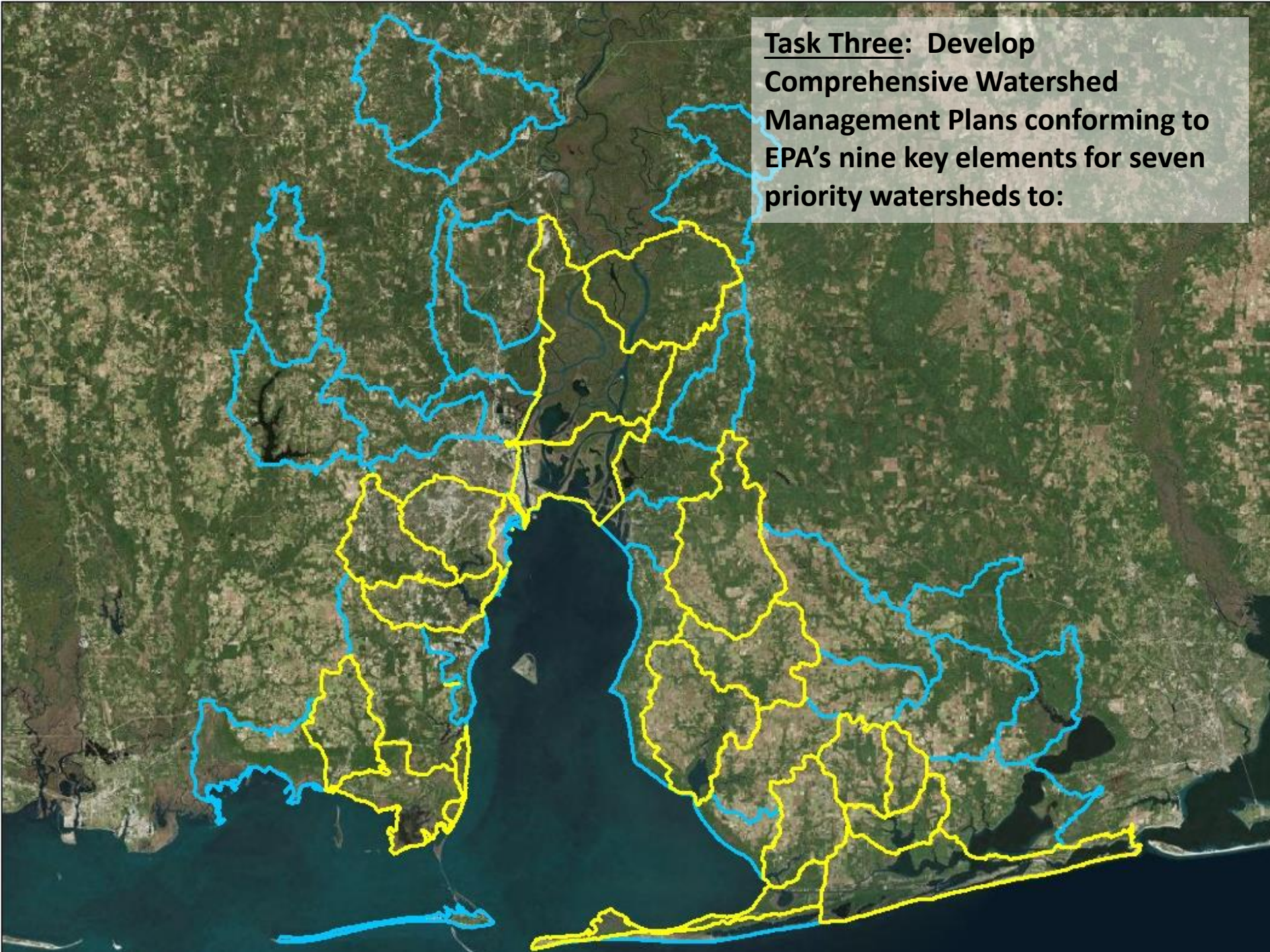
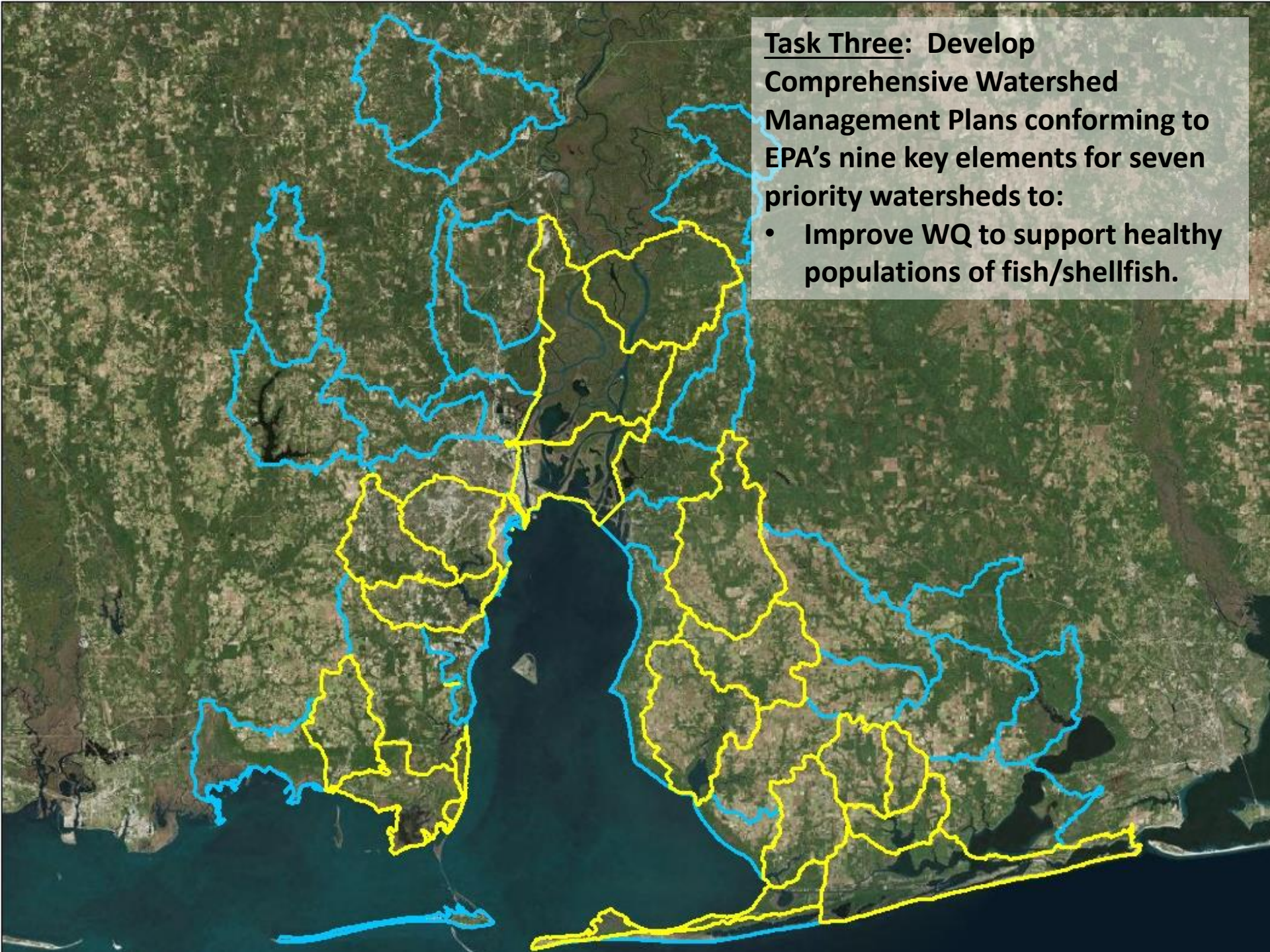

Task Three: Develop Comprehensive Watershed Management Plans conforming to EPA's nine key elements for seven priority watersheds to:



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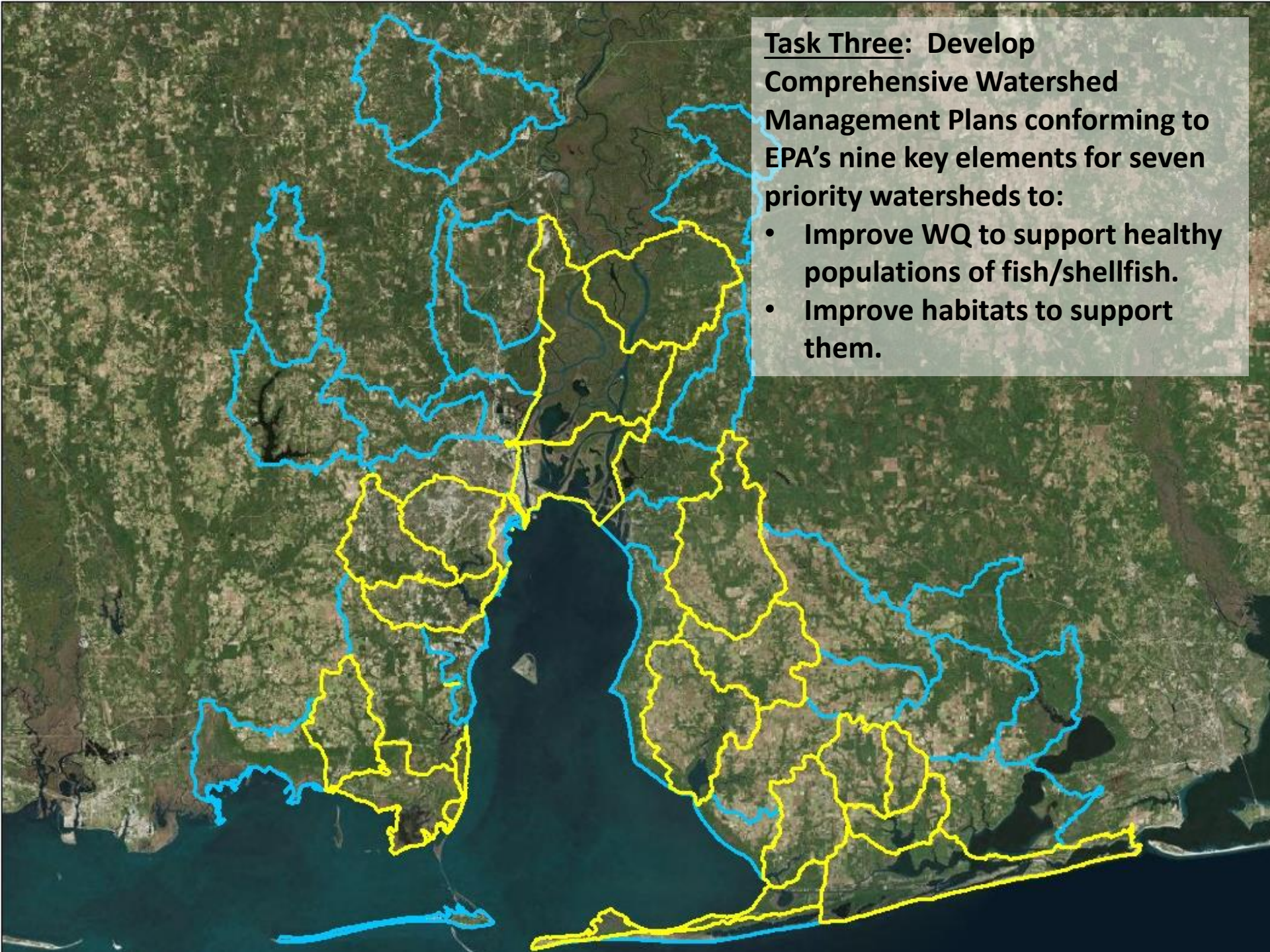

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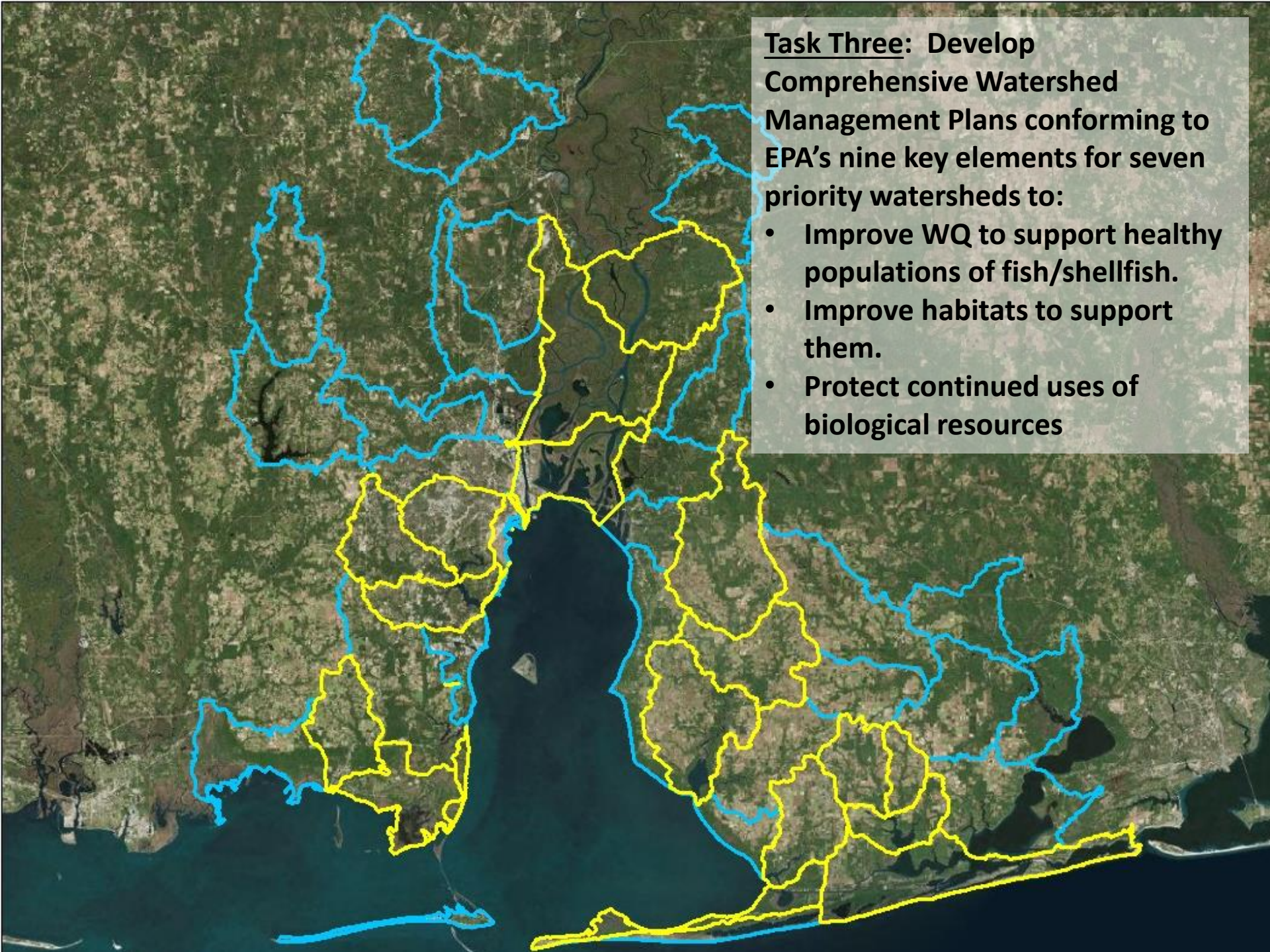

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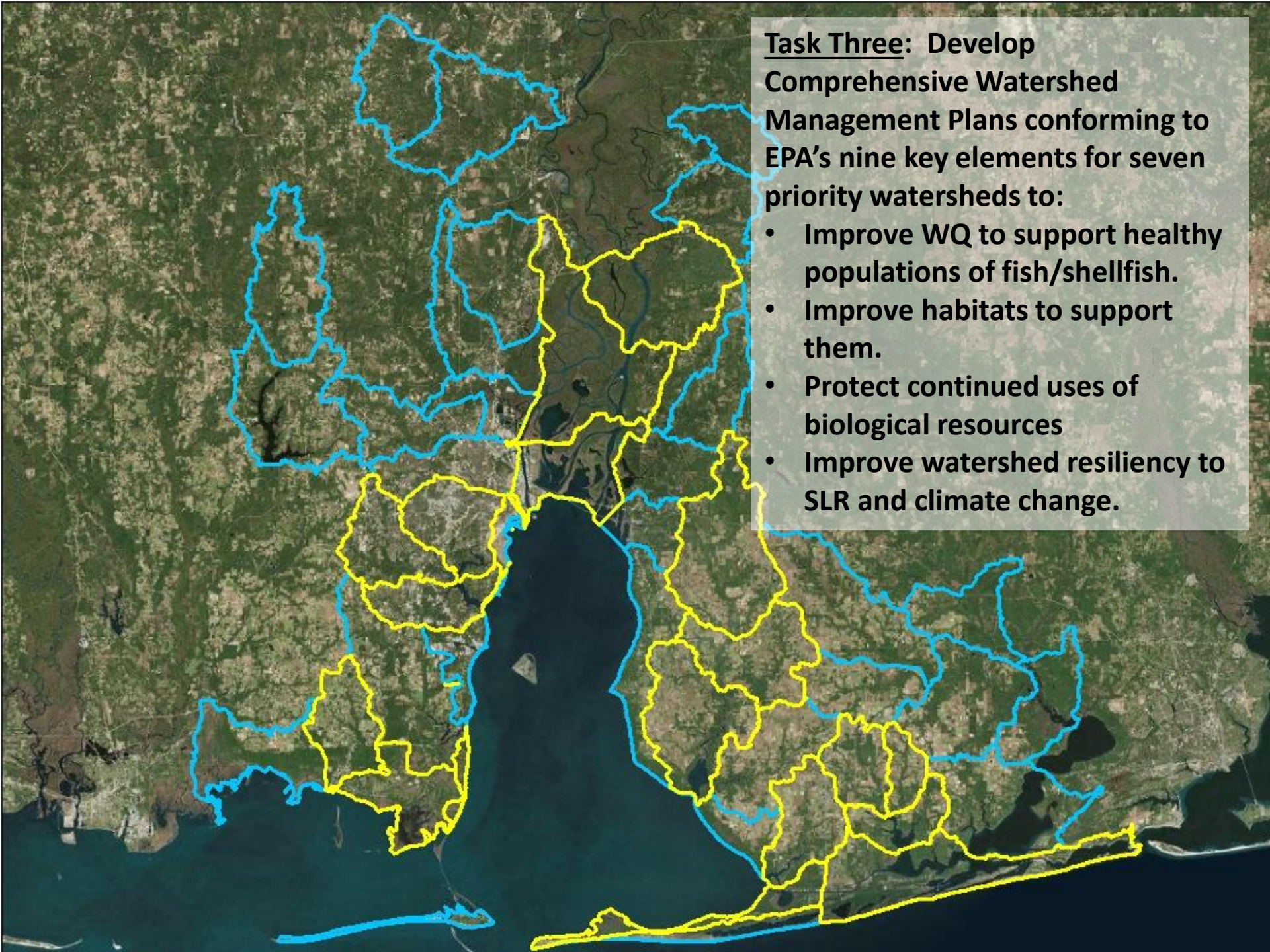

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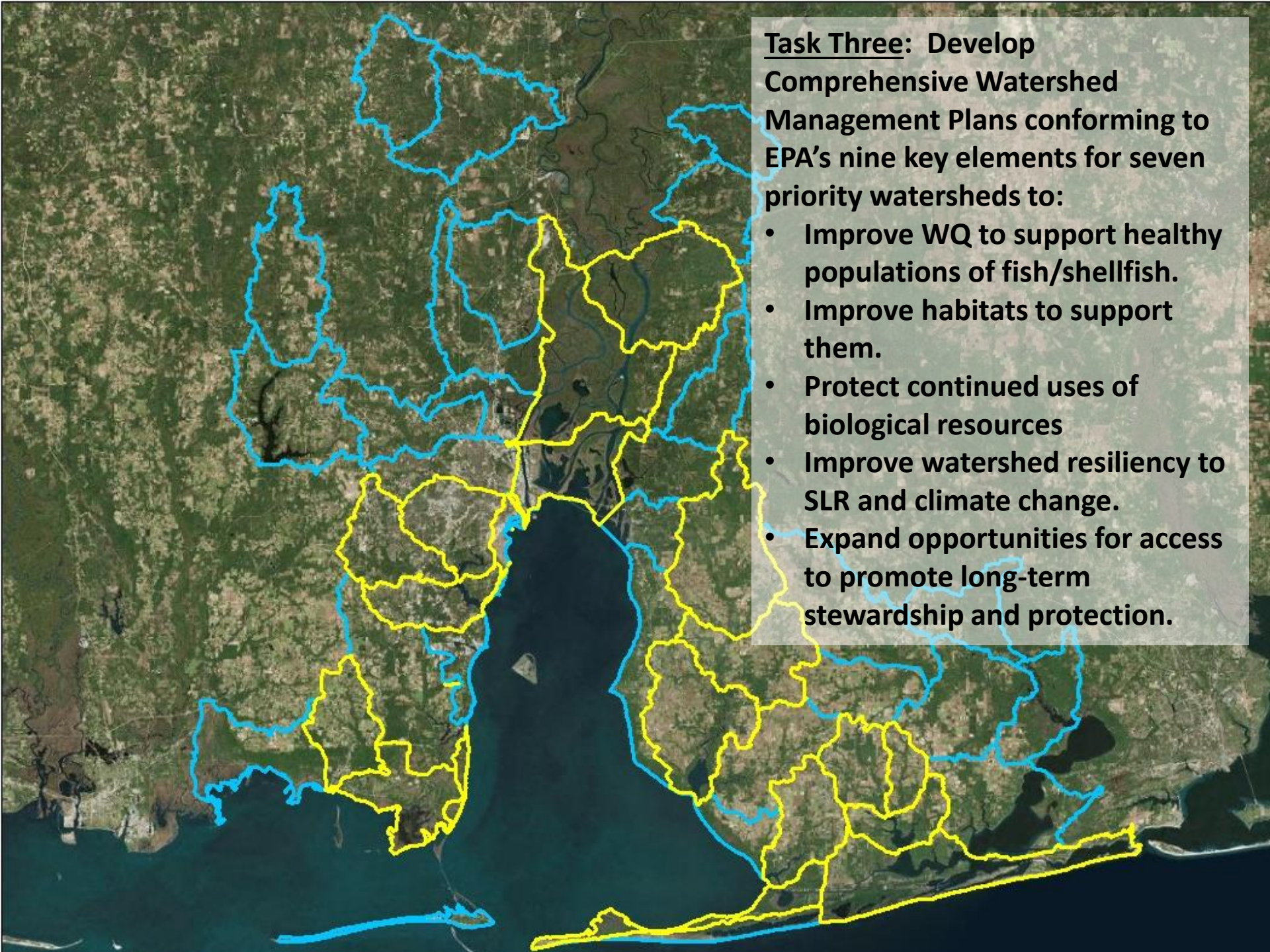

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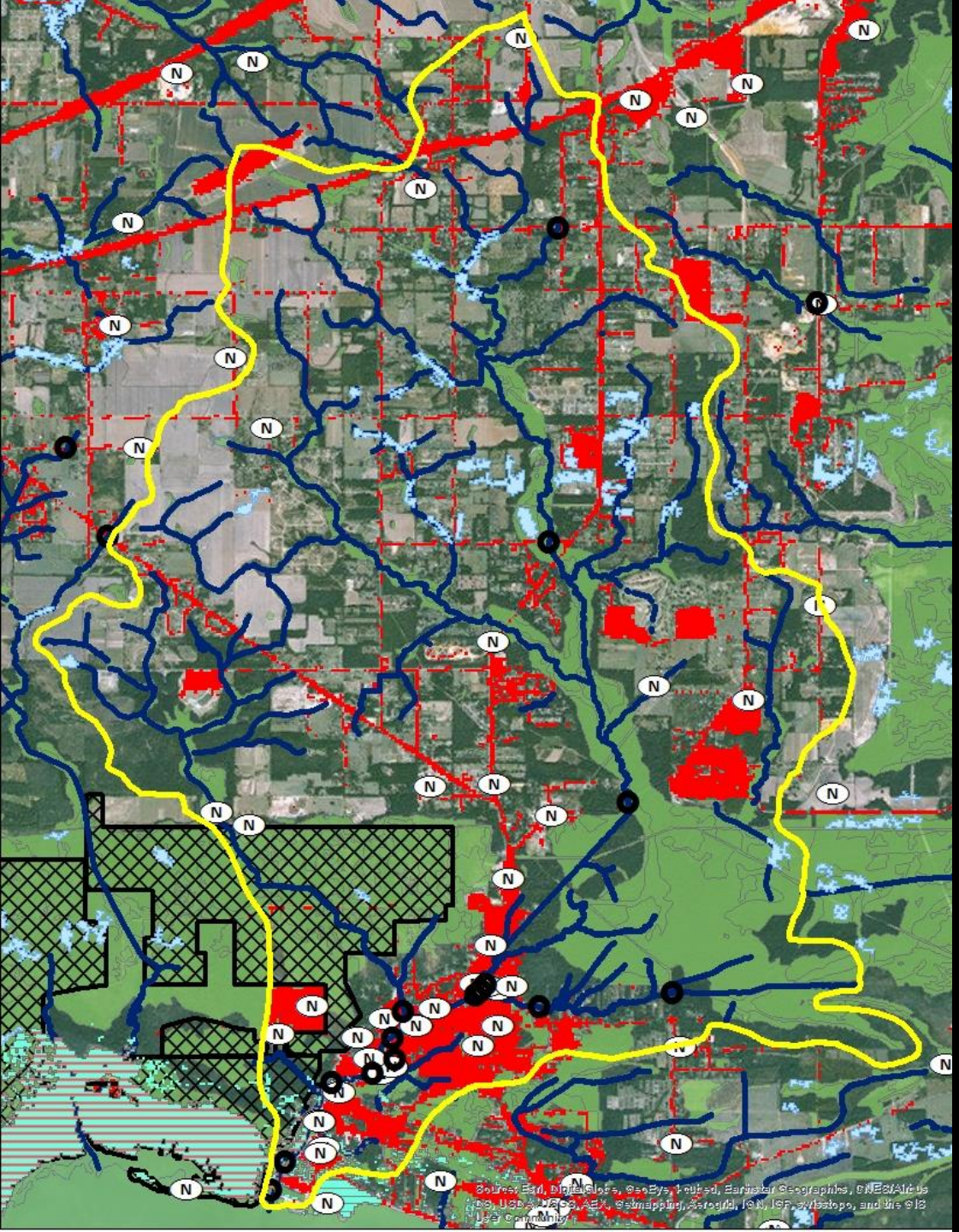
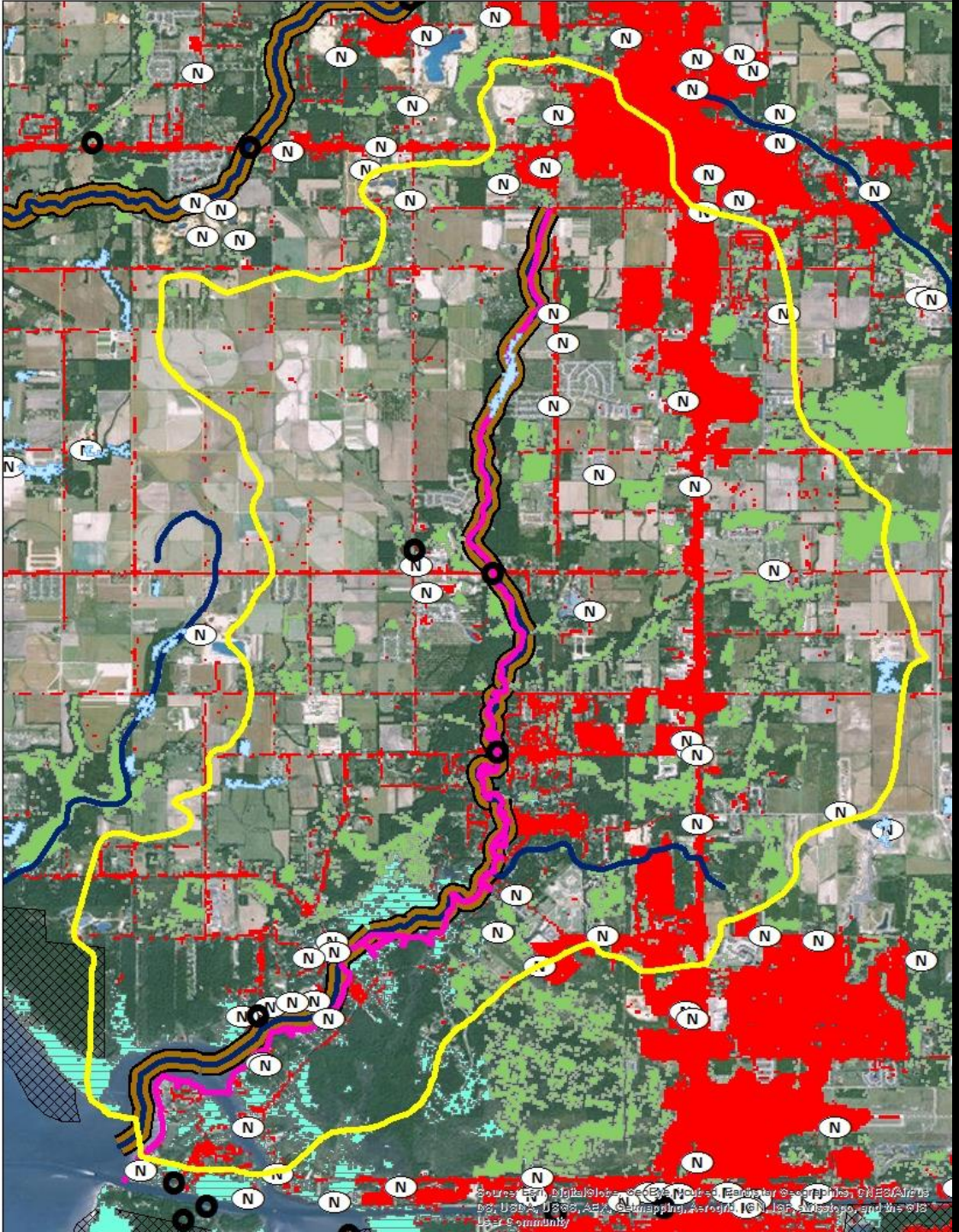
- **Expand opportunities for access to promote long-term stewardship and protection.**

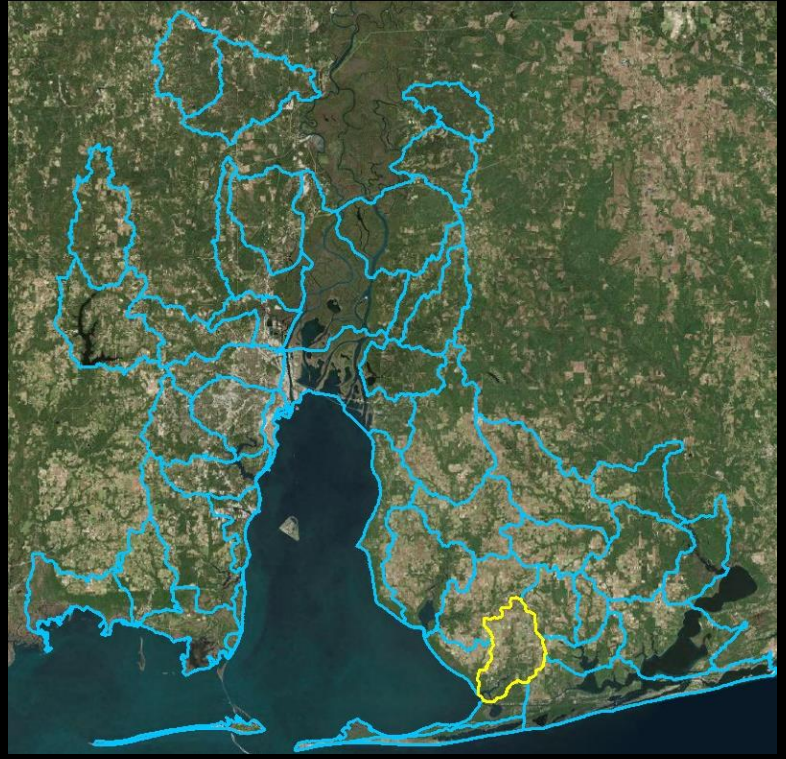


Bayou La Batre

Legend

- Prioritized Wetlands
- Bayou la batre Watershed
- ADEM Monitoring Stations
- NPDES
- Intertidal Marshes Flats Prioritized Hazard
- Intertidal Marshes Flats Prioritized Natural Resource Conservation
- Intertidal Marshes and Flats
- Streams and Rivers
- Protected Lands
- Wetlands
- Developed Open Space

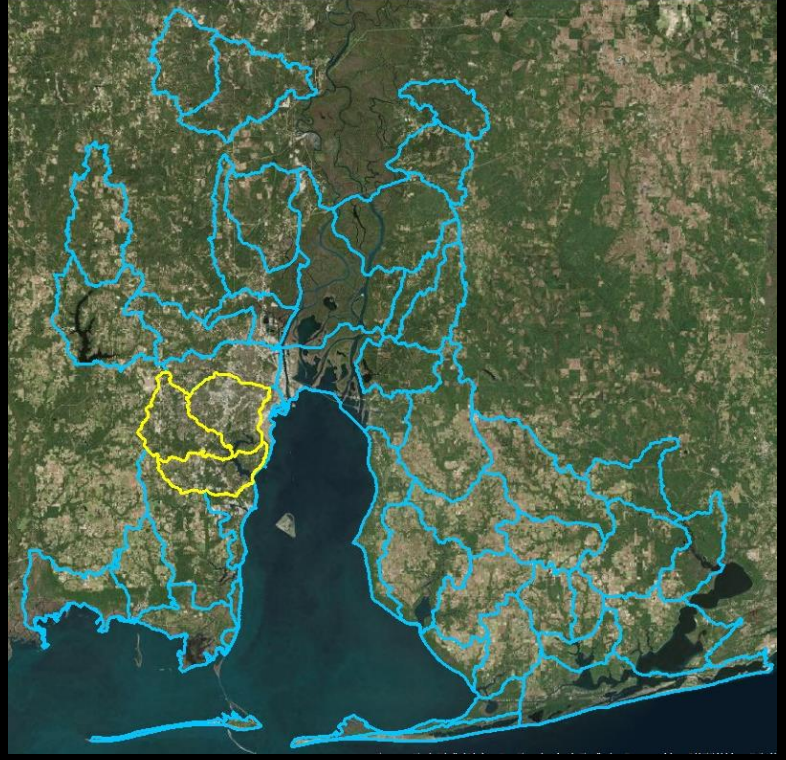




Bon Secour River

Legend

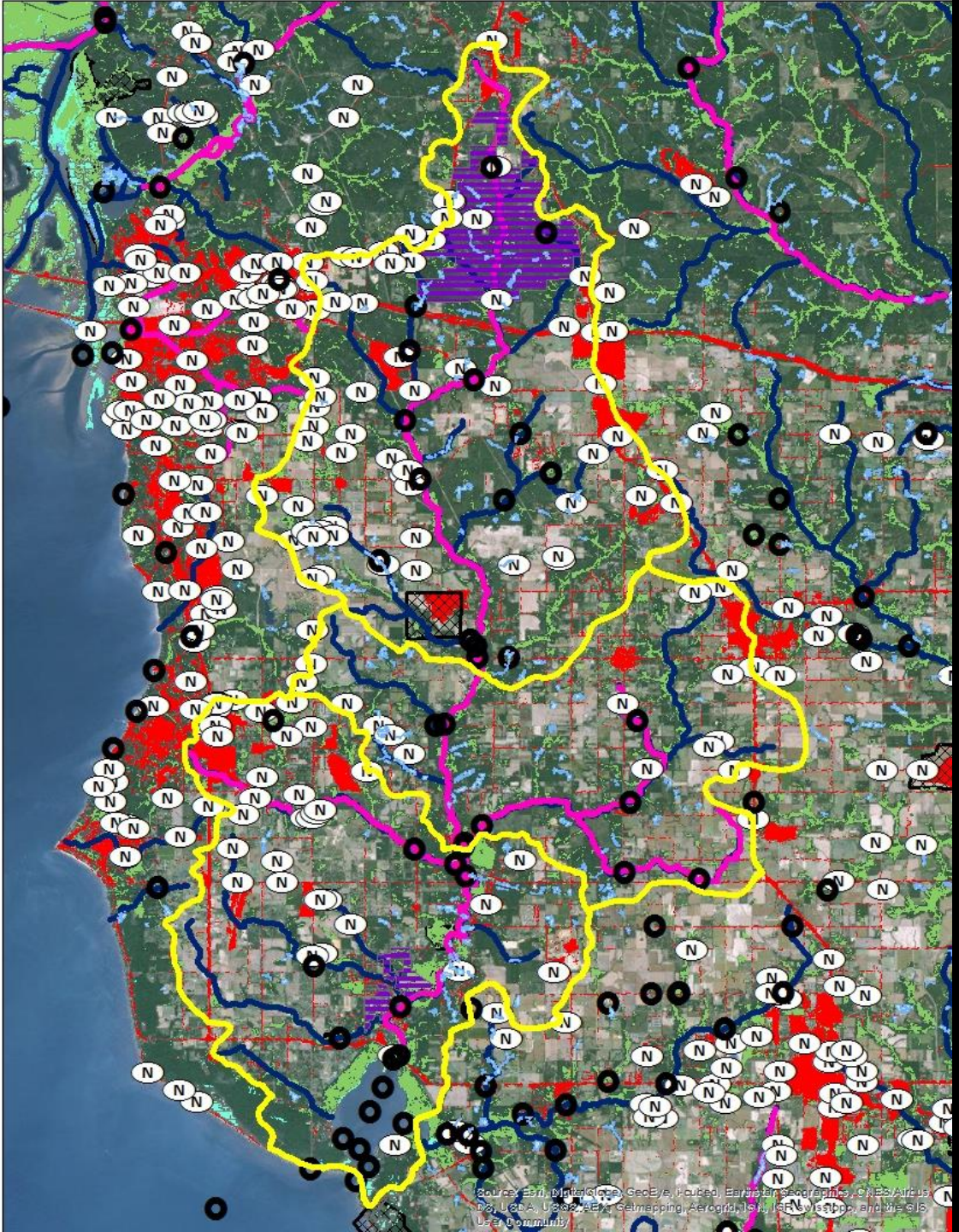
- Bon Secour Wateshed
- Prioritized Wetlands
- ADEM Monitoring Stations
- NPDES
- 303d List
- Streams and Rivers
- Sediment Studies
- Wetlands
- Intertidal Marshes Flats Prioritized Hazard
- Intertidal Marshes and Flats
- Protected Lands
- Urban Land Use Land Cover

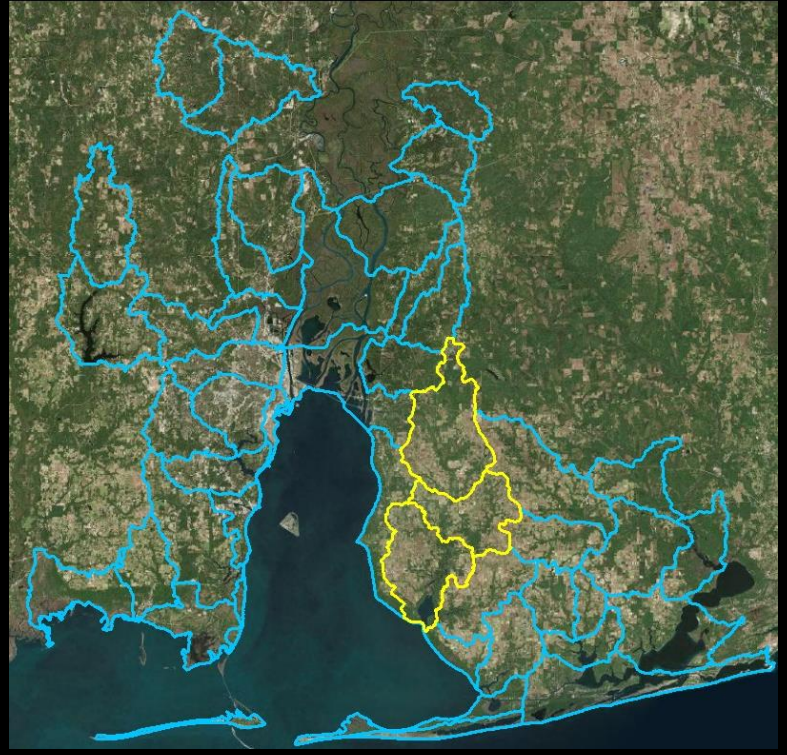


Dog River

Legend

- Dog River (Upper, Lower, Halls Mill Creek)
- Prioritized Wetlands
- ADEM Monitoring Stations
- Toxic Release Inventory
- NPDES
- Intertidal Marshes Flats Prioritized Hazard
- Intertidal Marshes and Flats
- TMDL
- Streams and Rivers
- Sediment Studies
- Wetlands
- Urban Land Use Land Cover

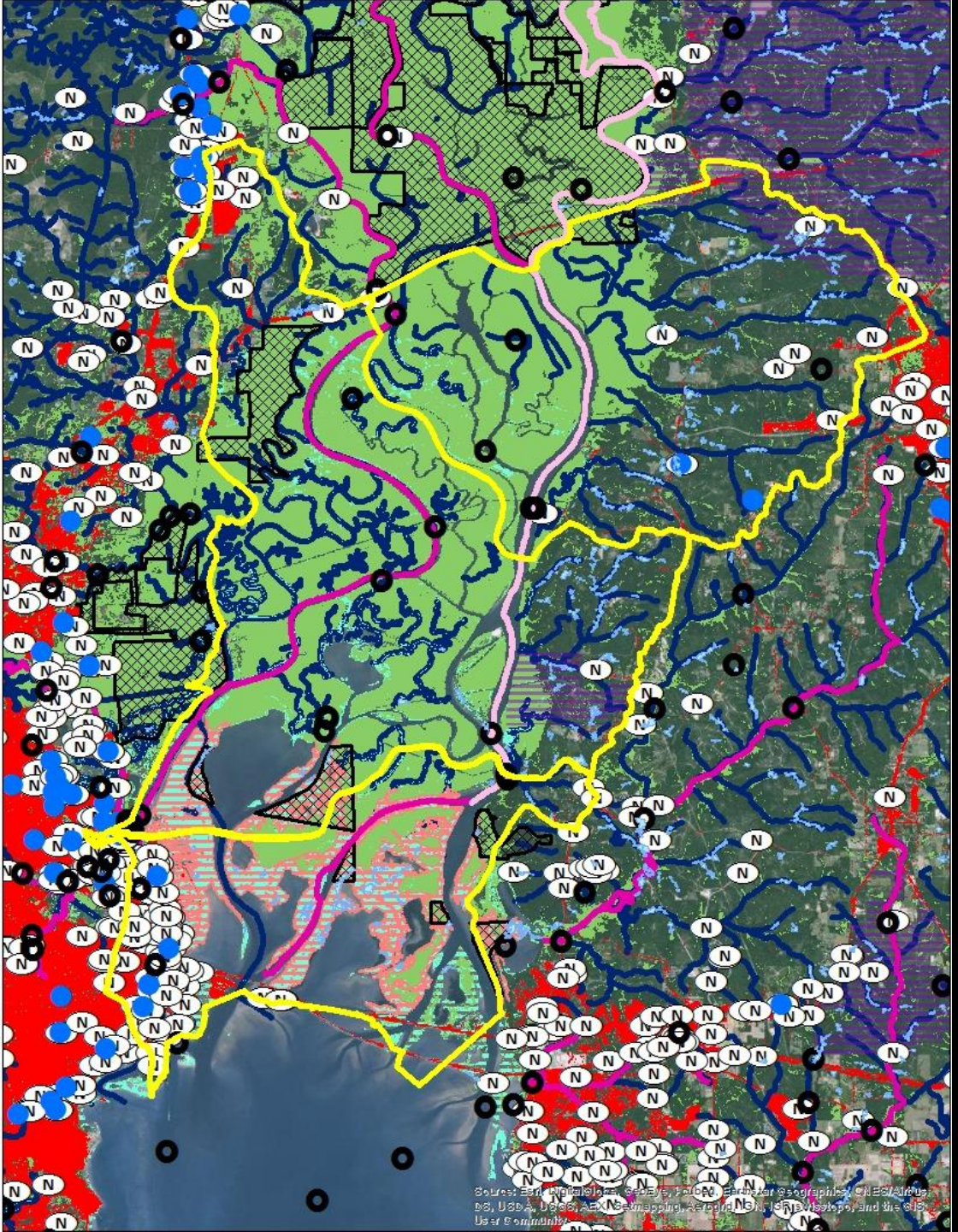


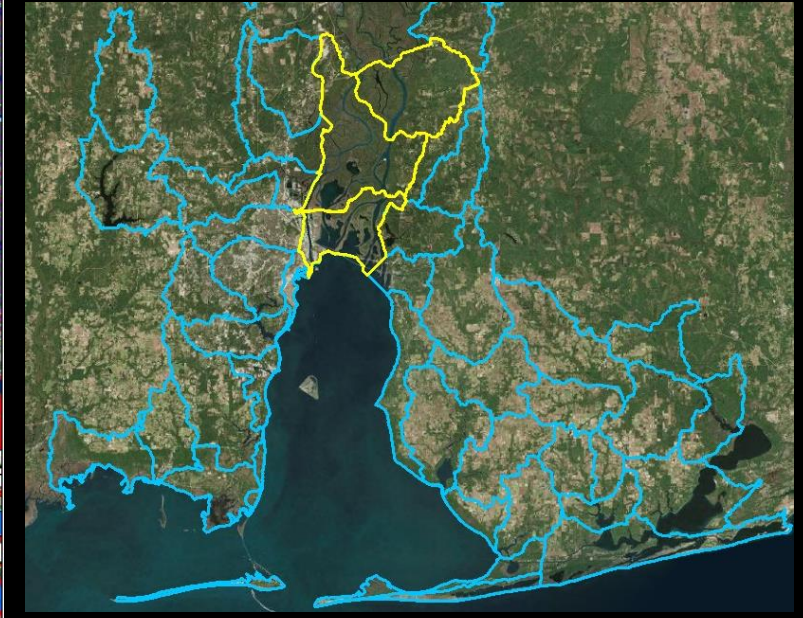


Fish River

Legend

- Fish River (Upper, Middle, Lower)
- Prioritized Wetlands
- ADEM Monitoring Stations
- NPDES
- Aquisition Property
- 303d List
- Streams and Rivers
- Wetlands
- Intertidal Marshes Flats Prioritized Hazard
- Intertidal Marshes and Flats
- Protected Lands
- Urban Land Use Land Cover





Tensaw-Apalachee

Legend

- Tensaw Watershed (Apalachee, Grand Bay, The Basin)
- Prioritized Wetlands
- ADEM Monitoring Stations
- Outstanding Waters
- Toxic Release Inventory
- NPDES
- 303d List
- Protected Lands
- Aquisition Property
- Intertidal Marshes Flats Prioritized Natural Resource Conservation
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- Intertidal Marshes and Flats
- Streams and Rivers
- Wetlands
- Urban Land Use Land Cover

West Fowl River/ Delchamps Bayou

Legend

- West Fowl River Watershed (Delchamps Bayou)
- Prioritized Wetlands
- ADEM Monitorin Stations
- Toxic Release Inventory
- NPDES
- Streams and Rivers
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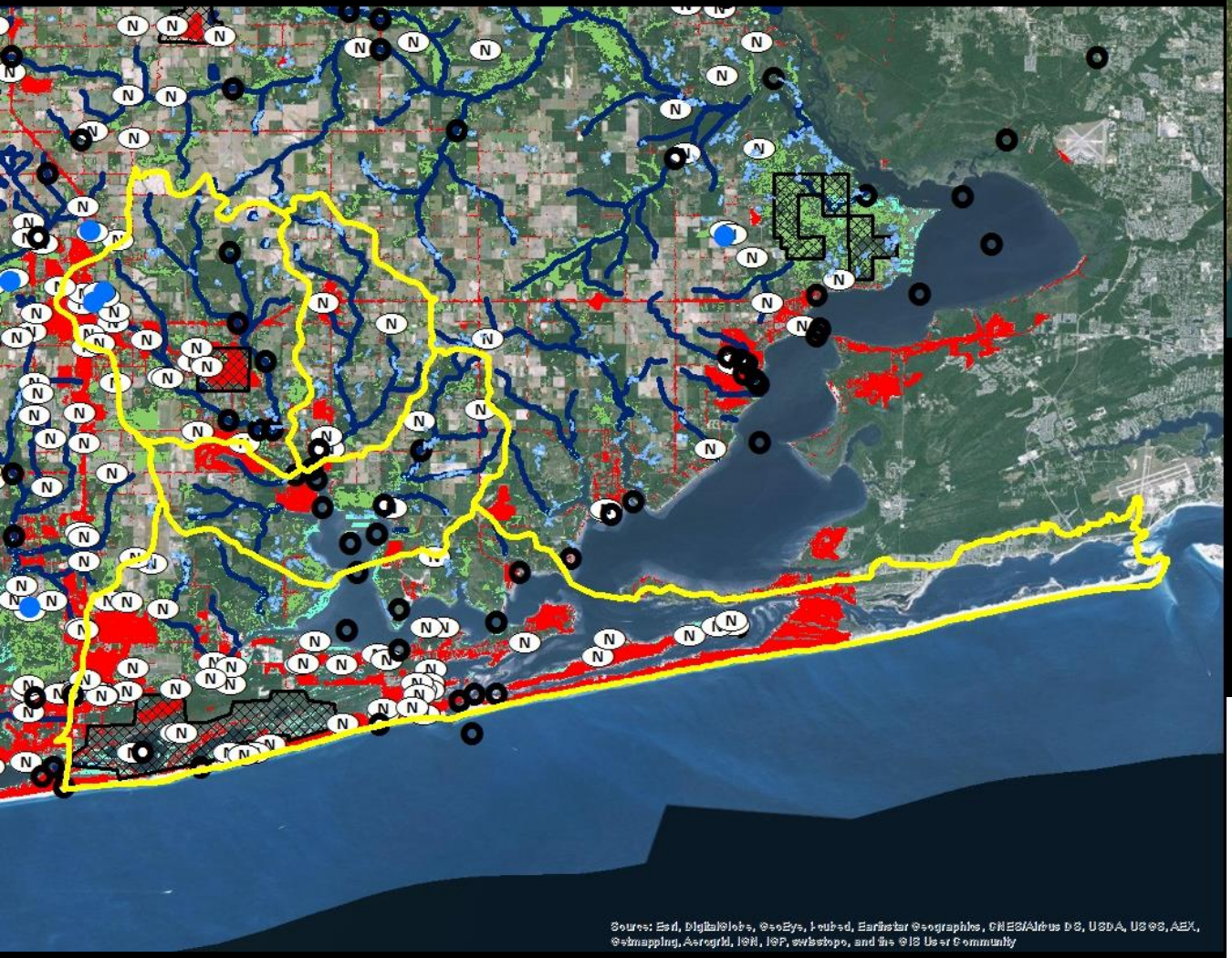

Wolf Bay (Graham, Bayou, Mifflin Creek, Sandy Creek, and Perdido Pass/ Frontal Gulf of Mexico)

Legend

- Wolf Bay Watershed (Sandy, Miflin, Graham, Perdido Pass FGOM)
- Prioritized Wetlands
- ADEM Monitoring Stations
- Toxic Release Inventory
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<u>Task Four</u>: Develop a Watershed-based Restoration Planning Program Based Upon Habitat Condition, Vulnerability to Stressors, and Cost-effectiveness.

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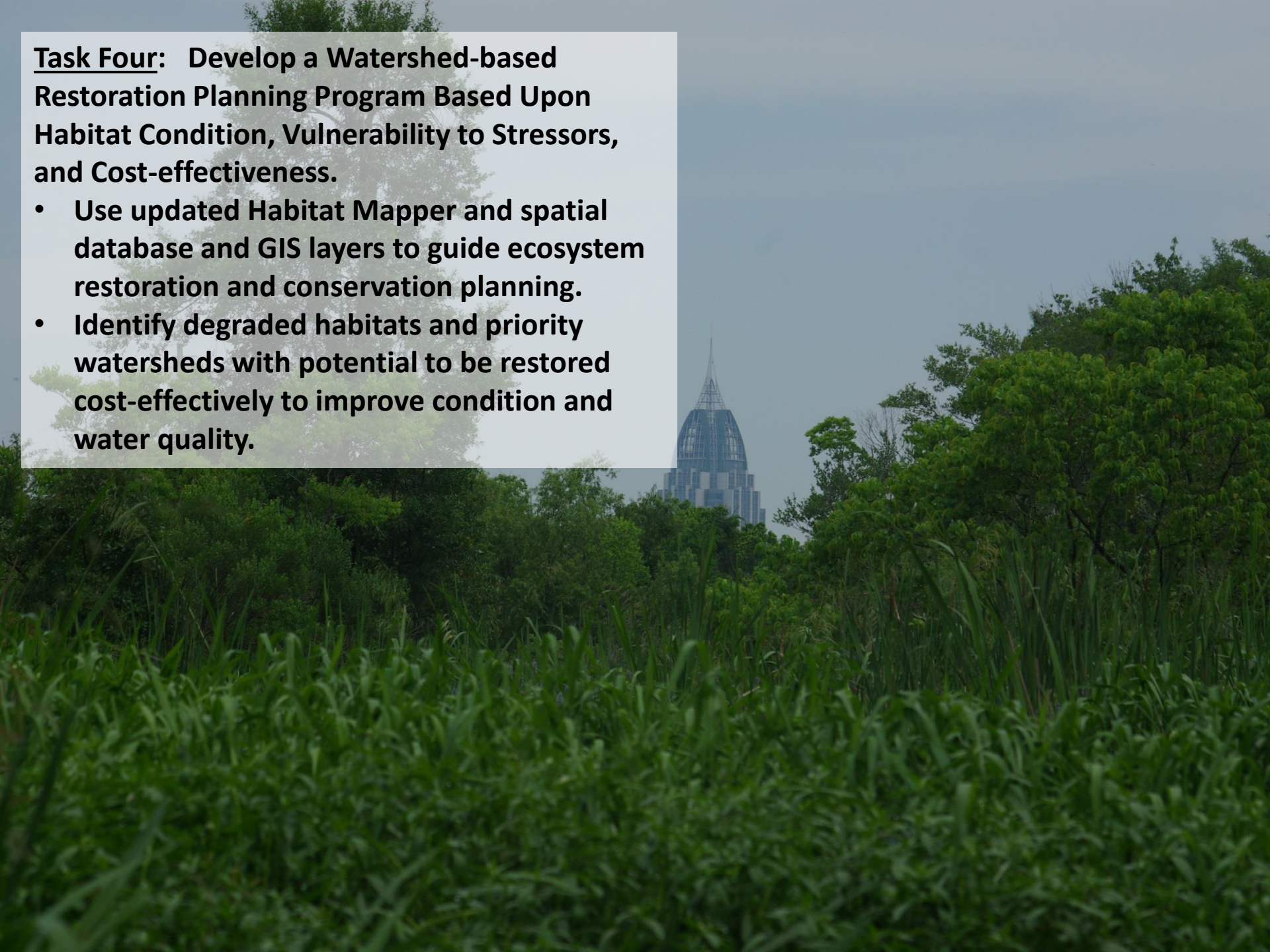

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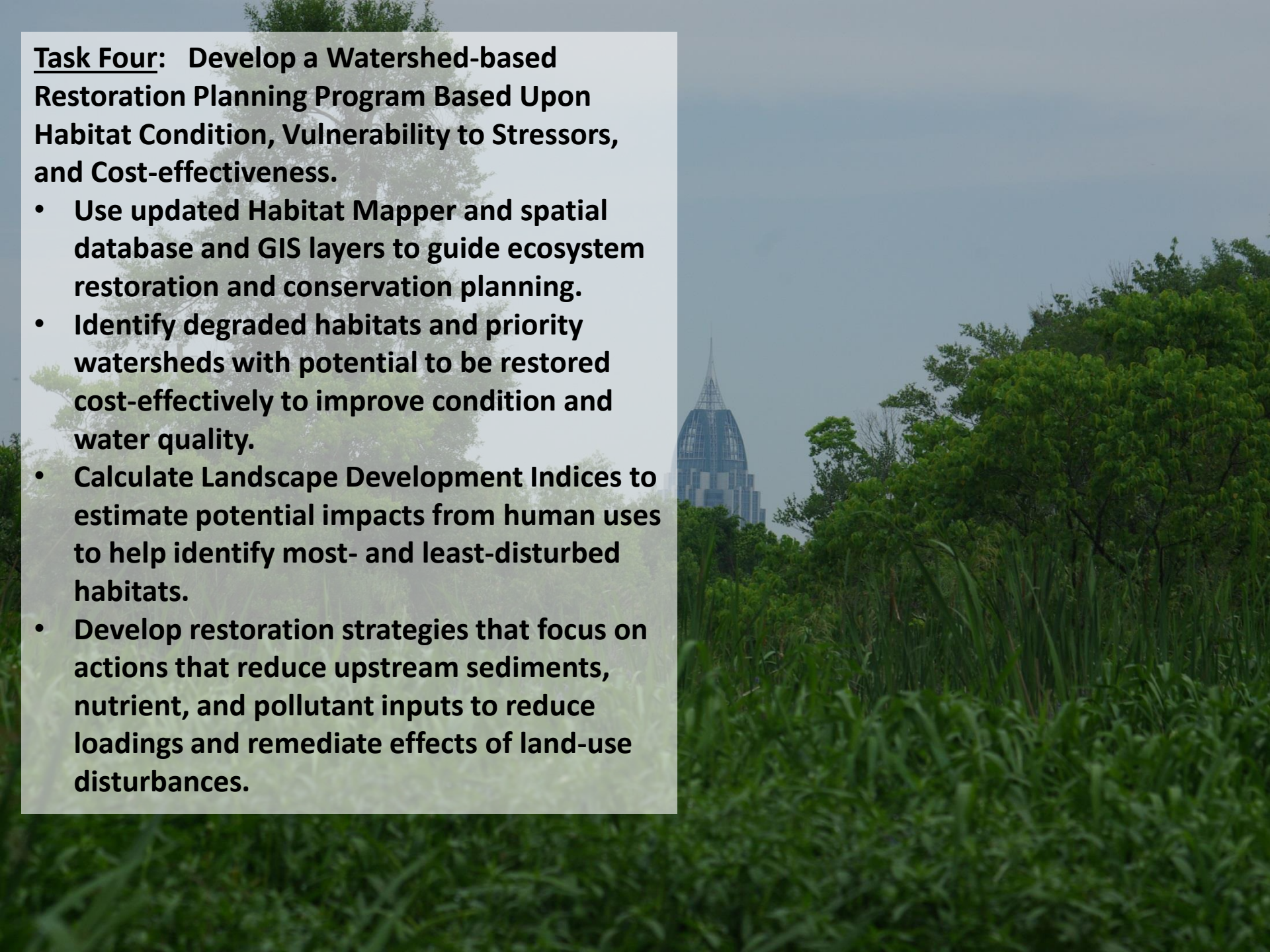

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- **Develop restoration strategies that focus on actions that reduce upstream sediments, nutrient, and pollutant inputs to reduce loadings and remediate effects of land-use disturbances.**