

Habitat Restoration Project Tracking Update

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Project Goal

Enhance regional capacity for habitat restoration project tracking, assessment and reporting by merging project data into EcoAtlas and expanding the tool's current functionality



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Where are the aquatic resources and how are they doing?

EcoAtlas

[About EcoAtlas](#) →

California EcoAtlas provides access to information for effective wetland management. The maps and tools can be used to create a complete picture of aquatic resources in the landscape by integrating stream and wetland maps, restoration information, and monitoring results with land use, transportation, and other information important to the state's wetlands.

- **Projects:** Restoration project maps, plans, contact information, and a library of project files.
- **Resource Extent:** Maps of aquatic resource extent and special habitats of interest.
- **Condition:** Assessment and monitoring data including

Aggregates and visualizes data from different sources on a common map



- 📍 🗺️ 📊 Modoc
- 📍 🗺️ 📊 South Coast
- 📍 🗺️ 📊 Sierra
- 📍 🗺️ 📊 Sacramento Valley
- 📍 🗺️ 📊 Mojave
- 📍 🗺️ 📊 San Joaquin Valley
- 📍 🗺️ 📊 Colorado Desert

Project Tasks

- Expand and enhance project database
- Compile project data from 4 existing systems
- Crosswalk habitat classifications
- Expand data entry/edit tools
- Enhance query and reporting functionality

Decision Points

- Identify new fields or better organization of existing data (e.g., funding)
- Standardize data vocabulary (e.g., activities, habitats)

Key Benefits

- Integrates data with other programs on a common map
- Expands mapping, reporting and analysis options
- Supports access to a project's file library
- Leverages other funding sources for maintenance and enhancements

Key Benefits

- Provides visualization tools for data exploration
- View projects in the context of other projects and at the landscape scale

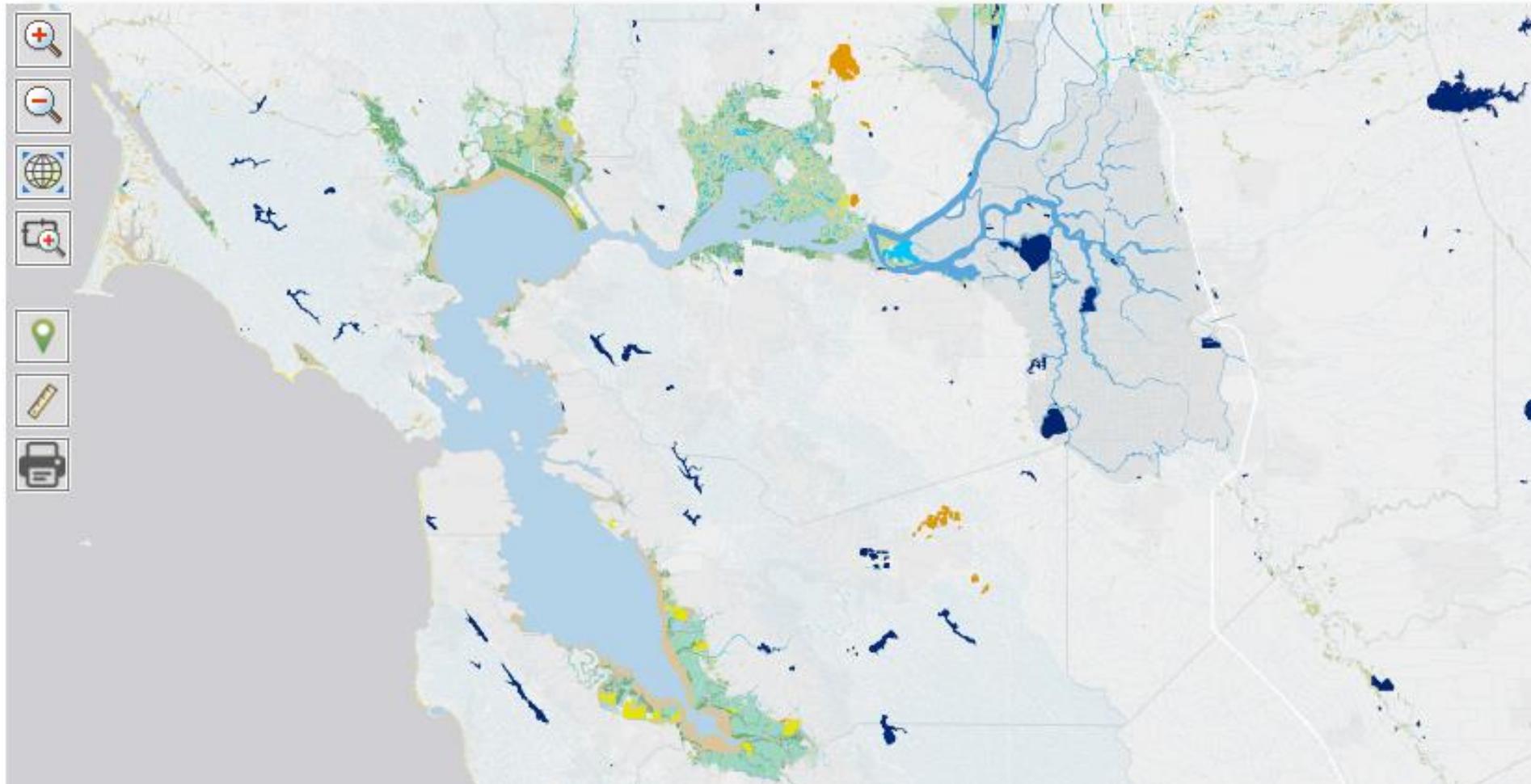
Bay/Delta : [Map](#) | [Projects](#) | [Summaries](#)

[Layers ▾](#)

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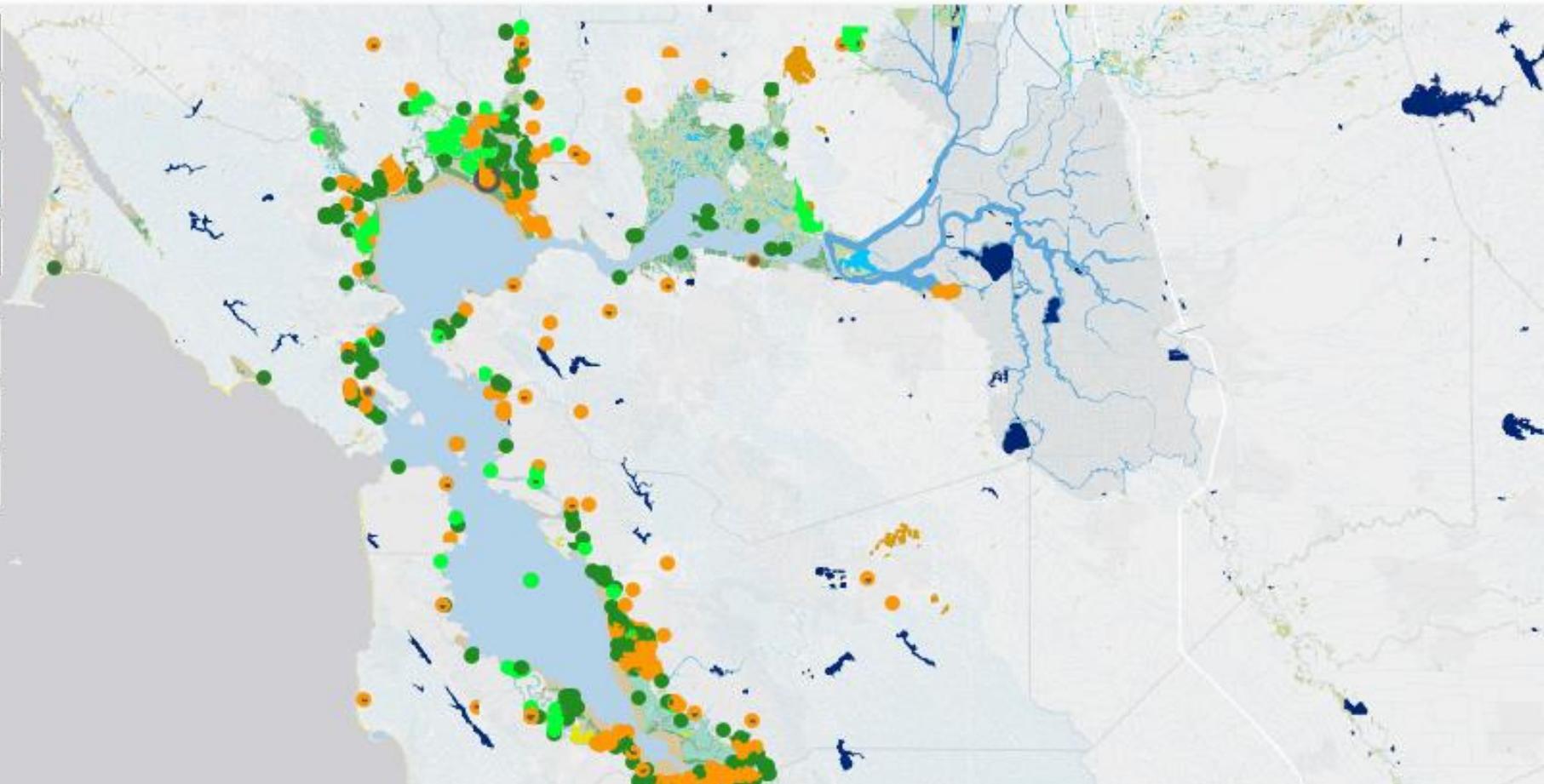
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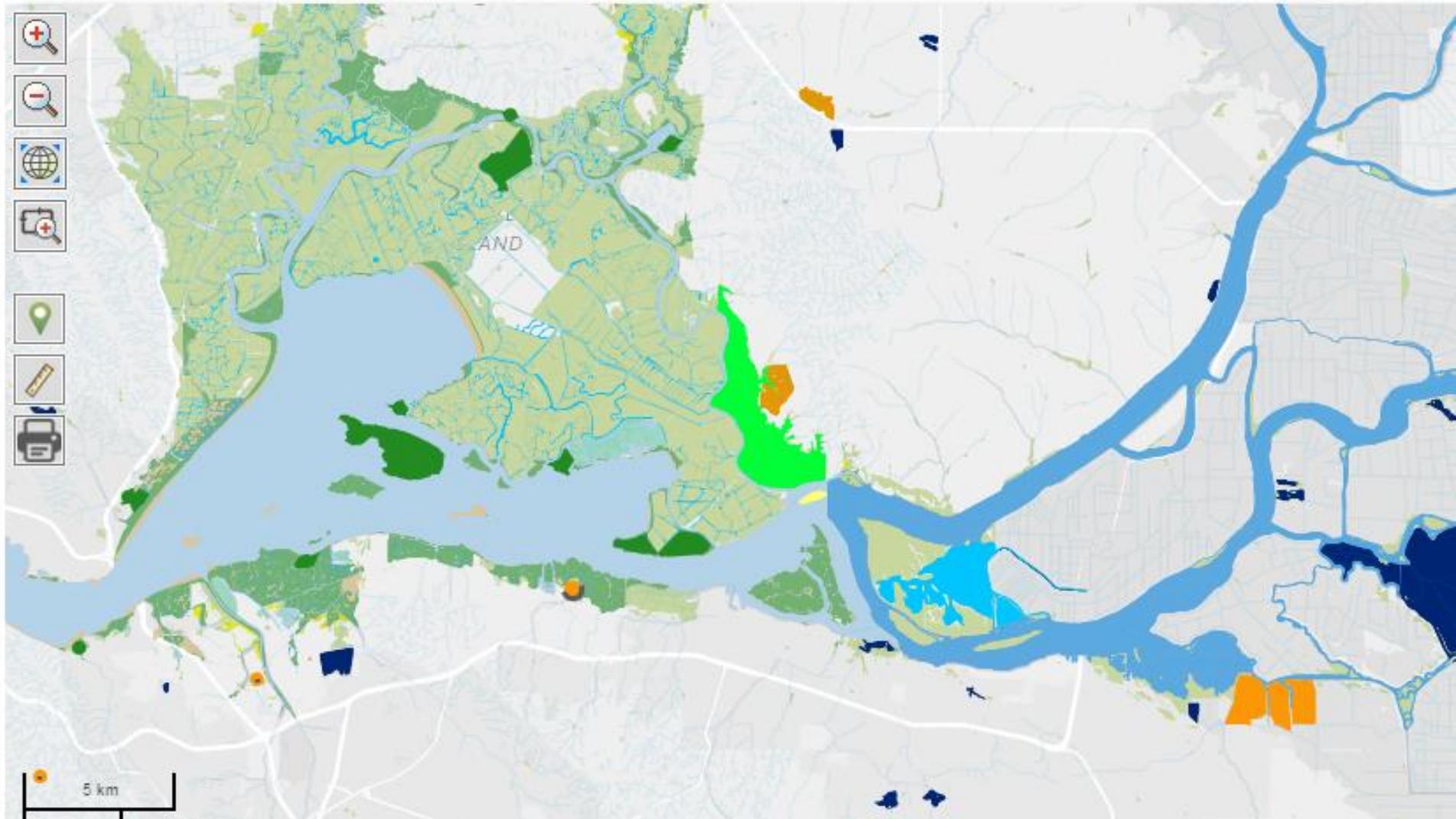
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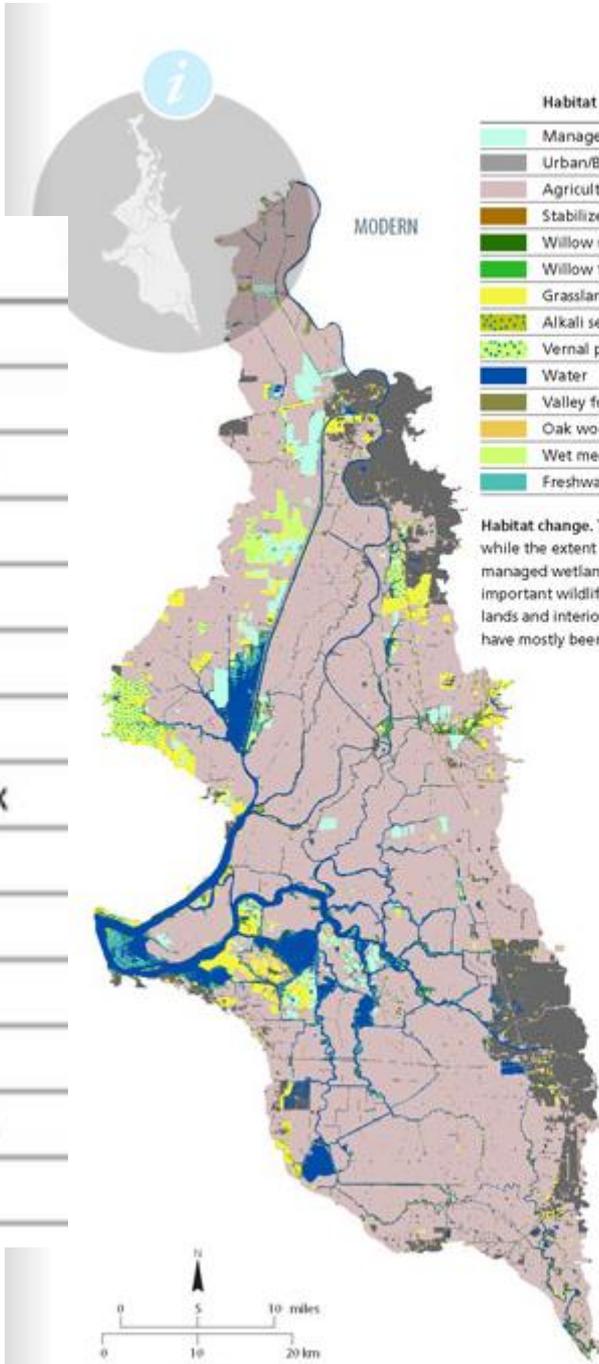
A DELTA TRANSFORMED

ecological functions, spatial metrics,
and landscape change

IN THE SACRAMENTO-SAN JOAQUIN DELTA

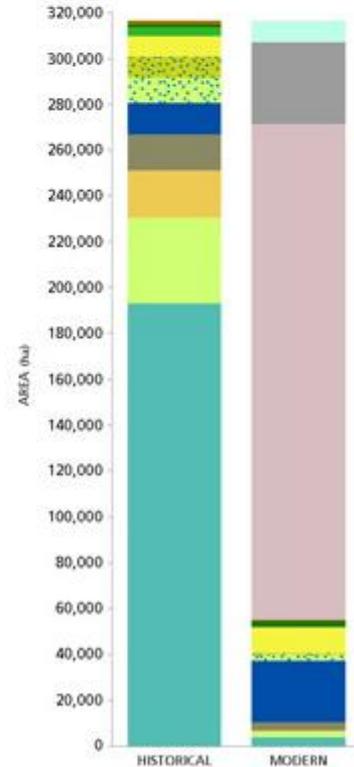


Habitat Type



Habitat Type	Area (ha)		
	Historical	Modern	% Change
Managed wetlands	0	9,454	∞
Urban/Barren	0	35,517	∞
Agriculture/Non-native/Ruderal	0	216,085	∞
Stabilized interior dune veg.	1,032	4	-99
Willow riparian scrub/shrub	1,637	2,878	+76
Willow thicket	3,567	132	-96
Grassland	9,108	11,800	+30
Alkali seasonal wetland complex	9,193	238	-97
Vernal pool complex	11,262	3,007	-73
Water	13,772	26,530	+93
Valley foothill riparian	15,608	4,010	-74
Oak woodland/savanna	20,460	0	-100
Wet meadow/Seasonal wetland	37,561	2,445	-93
Freshwater emergent wetland	193,224	4,253	-98

Habitat change. The extent of wetland habitats has decreased in the modern Delta while the extent of open water and grasslands has increased. Agriculture and managed wetlands take up a large portion of the modern Delta and provide some important wildlife support but are not equivalent to historical habitats. Oak woodlands and interior dune scrub have mostly been eliminated.



Recommendations and Future Considerations

→ Add VegCAMP as a data layer

- Provide habitat types for ecological planning
- View projects at the landscape scale
- Information will not be summarized in Landscape Profiles

→ Encourage the completion of basemap for the entire Delta

Basemap Choices

Delta Surface Waters

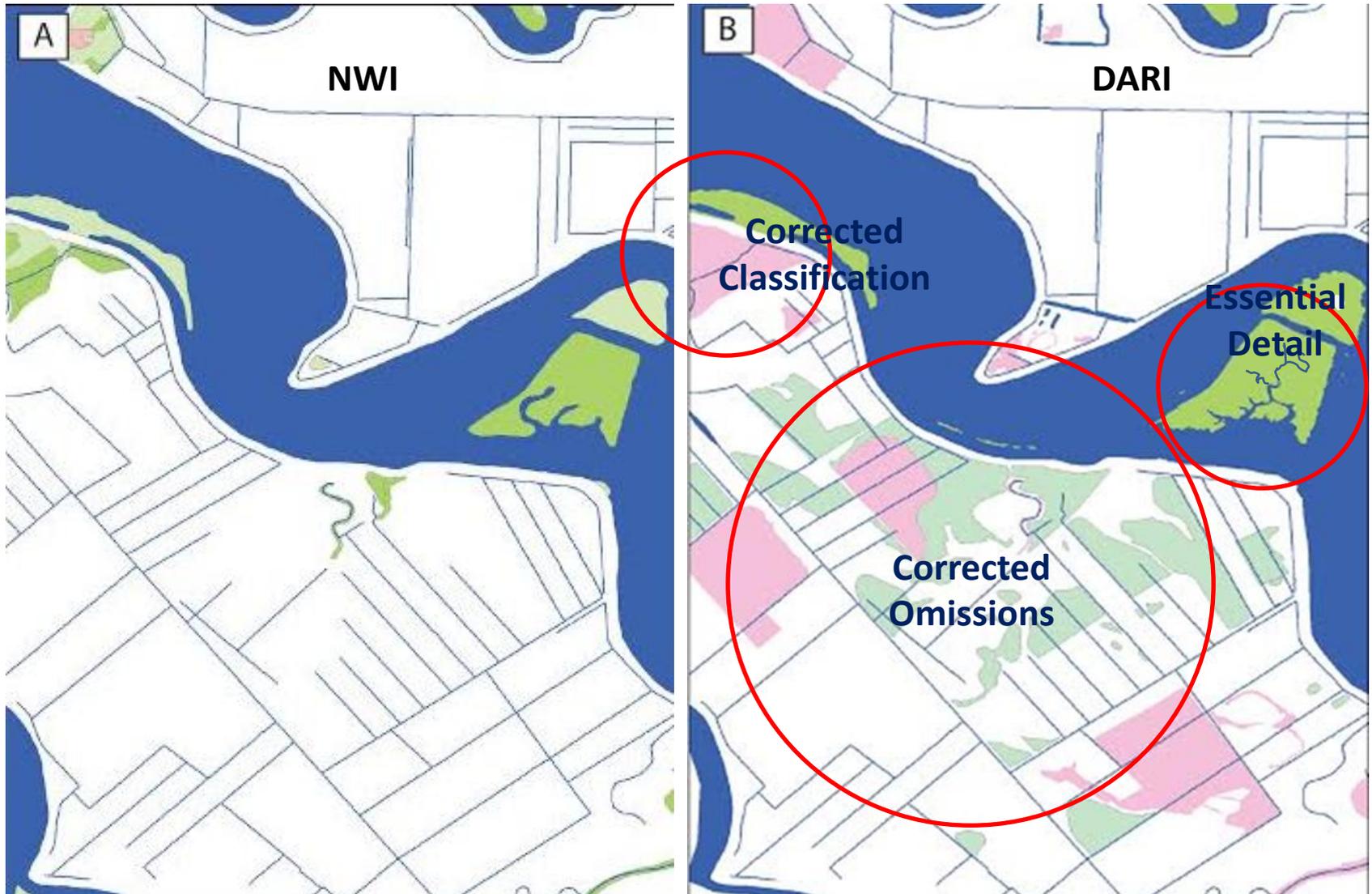
Standard Mapping Procedure	Supports Monitoring <ul style="list-style-type: none"> ▪ Marsh Fish (IEP) ▪ Waterfowl (DFW) ▪ Wetland Condition (State Board, USACE) 	Consistency with Bay Area and Central Valley Basemaps
National Wetlands Inventory (CARI V0)	Inadequate	Not Consistent
Delta Aquatic Resource Inventory (CARI V1)	Adequate	Consistent
VegCAMP	<i>Not a Map of Waters</i>	

* None of these maps serve as jurisdictional delineations of state or federal waters.

* DARI has been completed for the alternative Delta Conveyance alignments.

NWI vs DARI

Example from the Delta



www.ecoatlas.org



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