# Compliance & Effectiveness Monitoring Framework for Water Quality and Habitat Conservation: Potential Application to BEHGU

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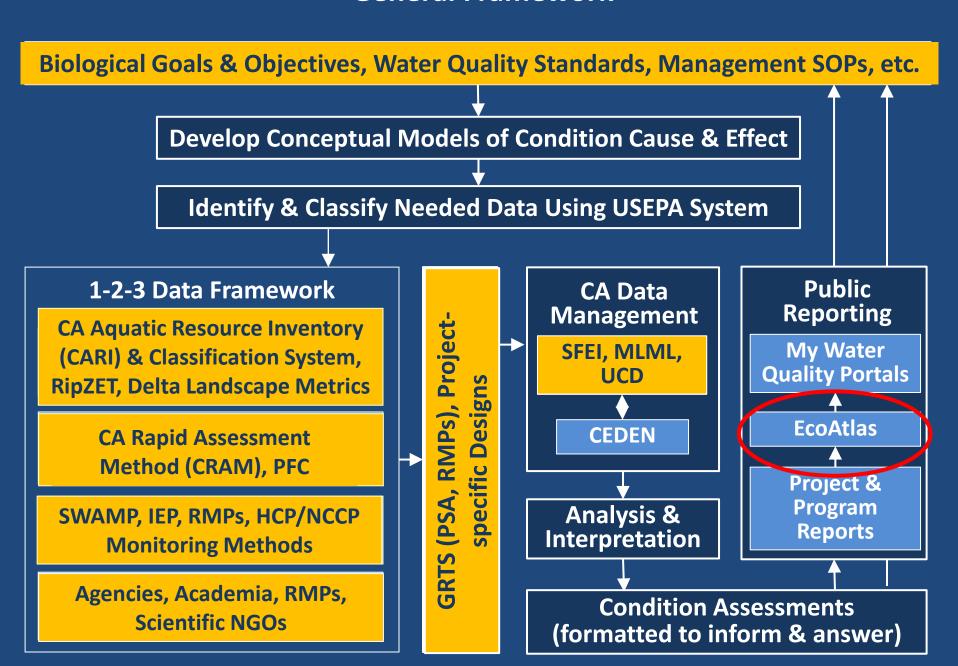
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#### **General Framework**



#### **EcoAtlas Information System**

EcoAtlas aggregates data and information from any number of sources to inform key environmental regulatory and management decisions and programs.

Focused on water quality control with prospects to expand to wildlife and habitat.

Access to data and readiness of tools vary but progress is being made on many fronts.

#### **EcoAtlas Information System**

- "VegCAMP" visualize vegetation communities
- "CARI" visualize past and present surface waters and related habitats
- "RipZET" visualize past, present, & potential riparian functional width
- "S&T" (Status and Trends) net change in surface water diversity & extent
- "Online 401" web-based tracking of CWA Section 401 Certs
- "Project Tracker" visualize projects & share their information
- "Watershed Mapper" on-screen & automated watershed delineation
- "CRAM" (CA Rapid Assessment Method for wetlands and streams),
- "Landscape Metrics" (Head-of-Tide, Shoreline Change, Landscape Ecology)
- "CD3" sort and display water quality data
- "LID Siting Tool" locate and track LID
- "SLRV" & "OCOF" estimate and visualize tidal flooding
- "Landscape Profile Tool" summarize information for user-defined areas

### **BEHGU Priority Actions**

1	Restore estuary-watershed connections.		
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3	h ea	CARI	wetlands systems.
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6	A. 'c	CARI	or wildlife populations.
7	m'	CARI VegCAMP	sive regional sediment
8	lr /	Project Tracker	d monitoring.
9	D el	Landscape Profile Tool	sessment program.
10	Impro	Landscape Profile Tool	

## Priority Planning and Monitoring Tools to Implement BEHGU

- CARI (get a standard basemap of past and present waters)
- VegCAMP (map vegetation as habitat)
- SLRV & OCOF (visualize future Baylands & T-zone)
- Project Tracker (get on-the-ground actions on the map)
- Landscape Metrics (represent ecologically ideal landscape)
- Standardized Level 3 Metrics (quantify ecosystem services)
- Land Cover & Infrastructure (map constraints)
- Landscape Profile Tool (track effects of projects & policies)

