Use of EcoAtlas in Program Implementation

Pete Kauhanen and Cristina Grosso
San Francisco Estuary Institute

Wetlands, Remote Sensing & Participatory Science Case Studies

January 9, 2023

SFEI AQUATIC SCIENCE CENTER
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Topics

- WRAMP Framework
- California Aquatic Resource Inventory and Editor Tool
- Project Tracking
- Landscape Profile Tool

What is WRAMP?

Wetland and Riparian Area Monitoring Plan

comprehensive framework for monitoring and assessment of aquatic resources within the watershed or landscape context

What is WRAMP?

- WRAMP advises CA's Wetland and Riparian Area Protection Policy (WRAPP)
- EcoAtlas is a toolset that supports CA's three level monitoring and assessment framework

What is EcoAtlas?

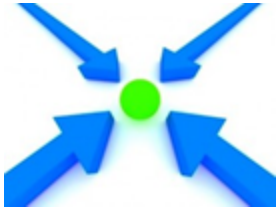
A scientifically produced toolset to visualize the abundance, diversity and condition of aquatic resources within a landscape

ecoatlas.org

What is EcoAtlas?

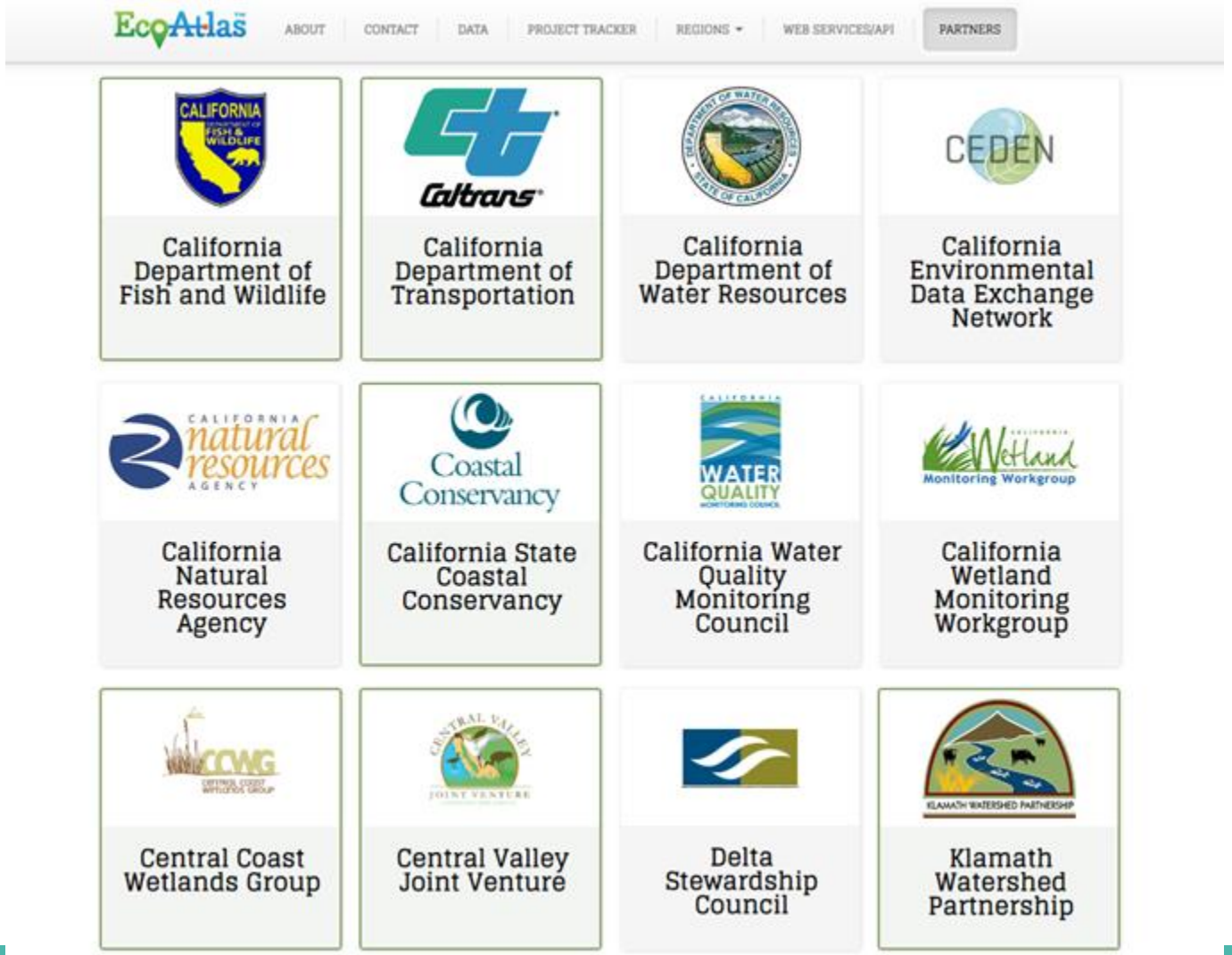
Supports wetland monitoring and reporting throughout California

Aggregates different kinds of environmental data in one place



Provides adaptable and customized reporting tools

Numerous federal, state, local agencies and NGO partners



EcoAtlas

LEVEL 1 LANDSCAPE ASSESSMENT

C·A·R·I

PROJECT TRACKER

LEVEL 2 RAPID ASSESSMENT

CRAM

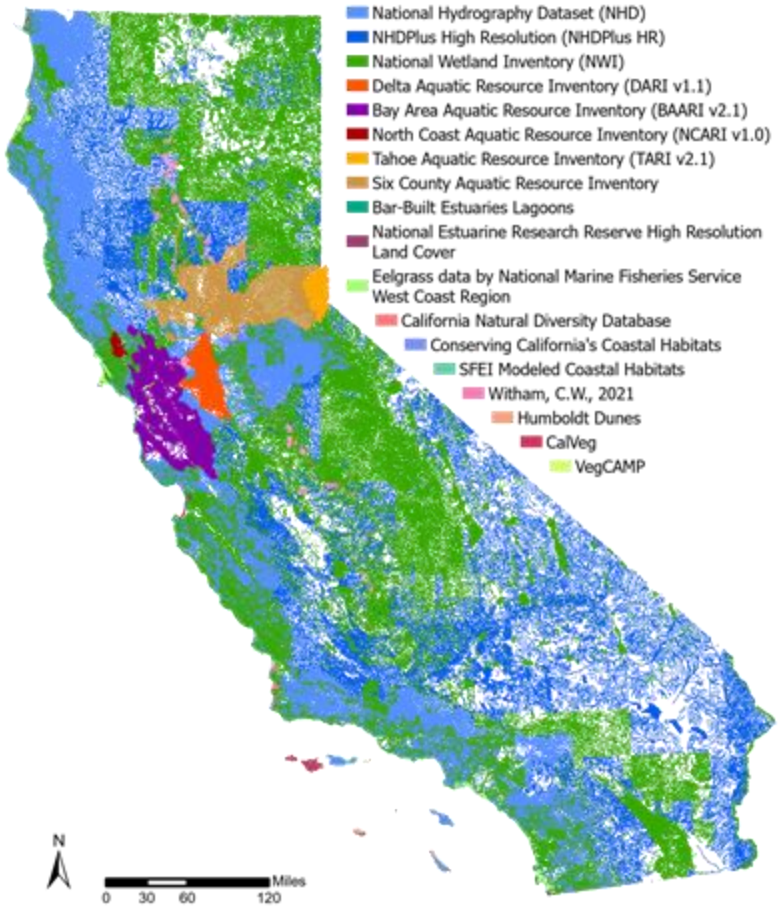
LEVEL 3 INTENSIVE ASSESSMENT

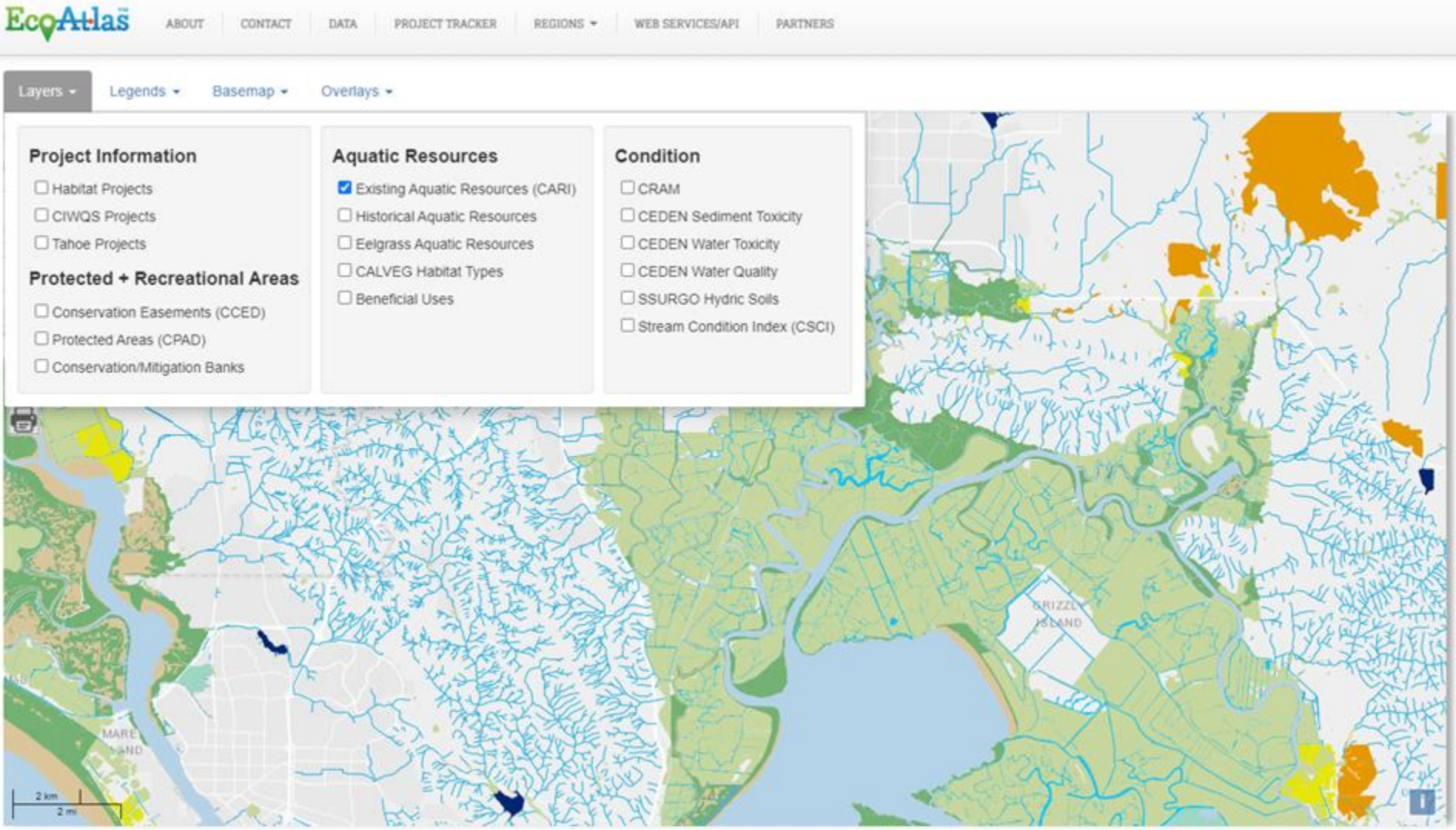
CEDEN

SWAMP
Surface Water
Ambient Monitoring
Program

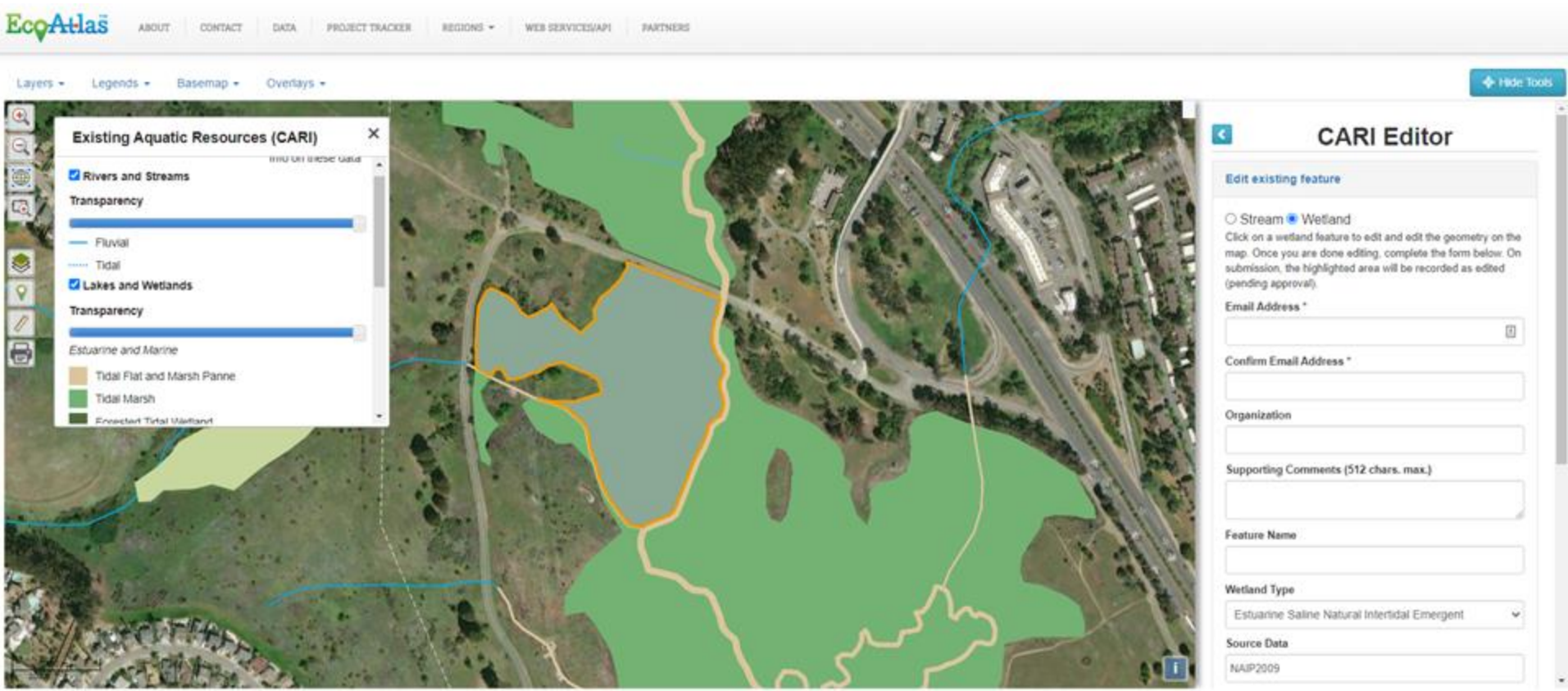
CARI: California Aquatic Resource Inventory

- Statewide compilation of best available regional mapping efforts
- Wetlands, streams
- Common classification system
- Detail supports local use planning
- Updates to NWI support national assessments

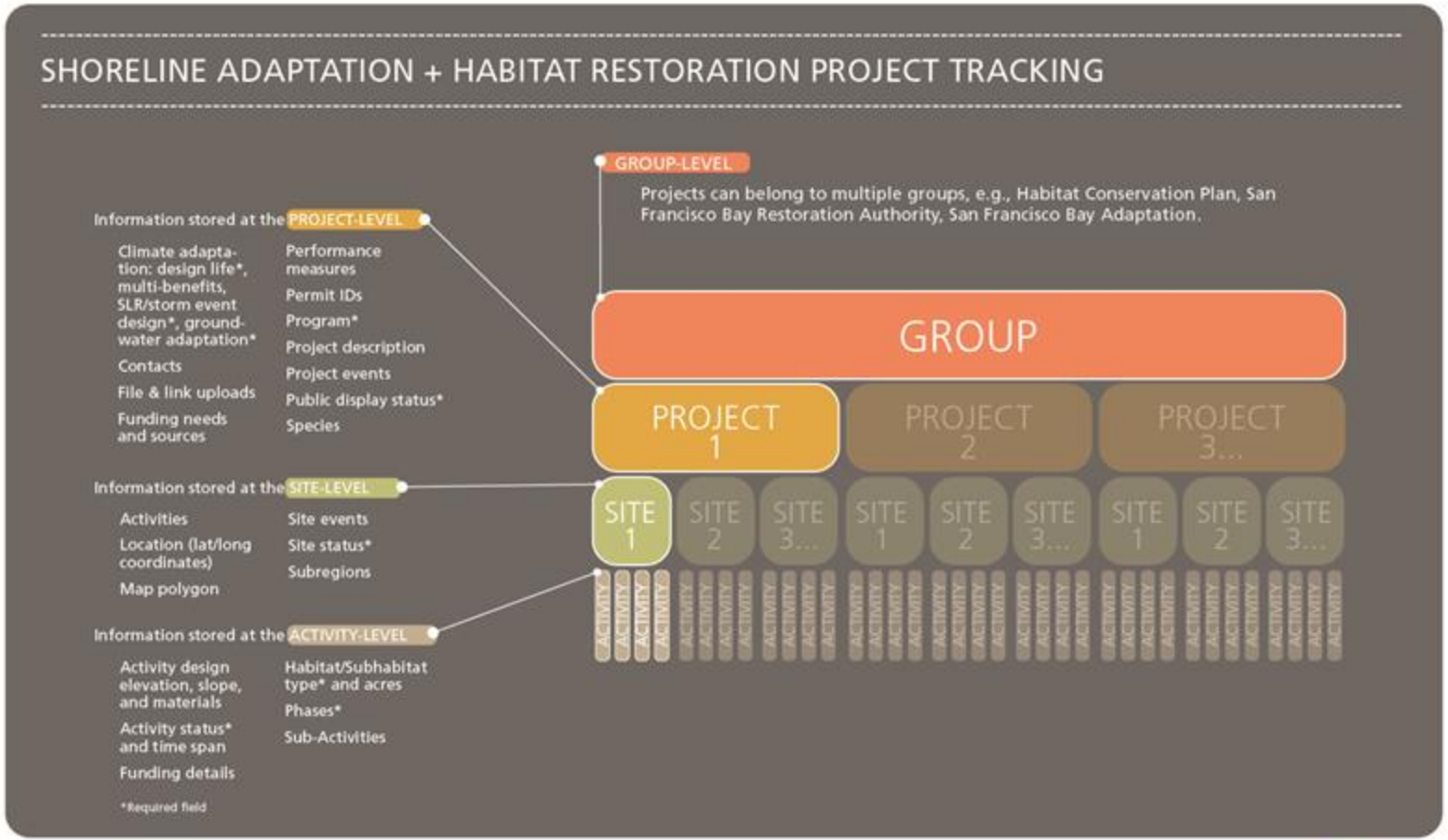



EcoAtlas
ABOUT
CONTACT
DATA
PROJECT TRACKER
REGIONS
WEB SERVICES/API
PARTNERS
Layers
Legends
Basemap
Overlays
Project Information
Habitat Projects
CIWQS Projects
Tahoe Projects
Protected + Recreational Areas
Conservation Easements (CCED)
Protected Areas (CPAD)
Conservation/Mitigation Banks
Aquatic Resources
Existing Aquatic Resources (CARI)
Historical Aquatic Resources
Eelgrass Aquatic Resources
CALVEG Habitat Types
Beneficial Uses
Condition
CRAM
CEDEN Sediment Toxicity
CEDEN Water Toxicity
CEDEN Water Quality
SSURGO Hydric Soils
Stream Condition Index (CSCI)
GRIZZLY ISLAND
2 km
2 mi

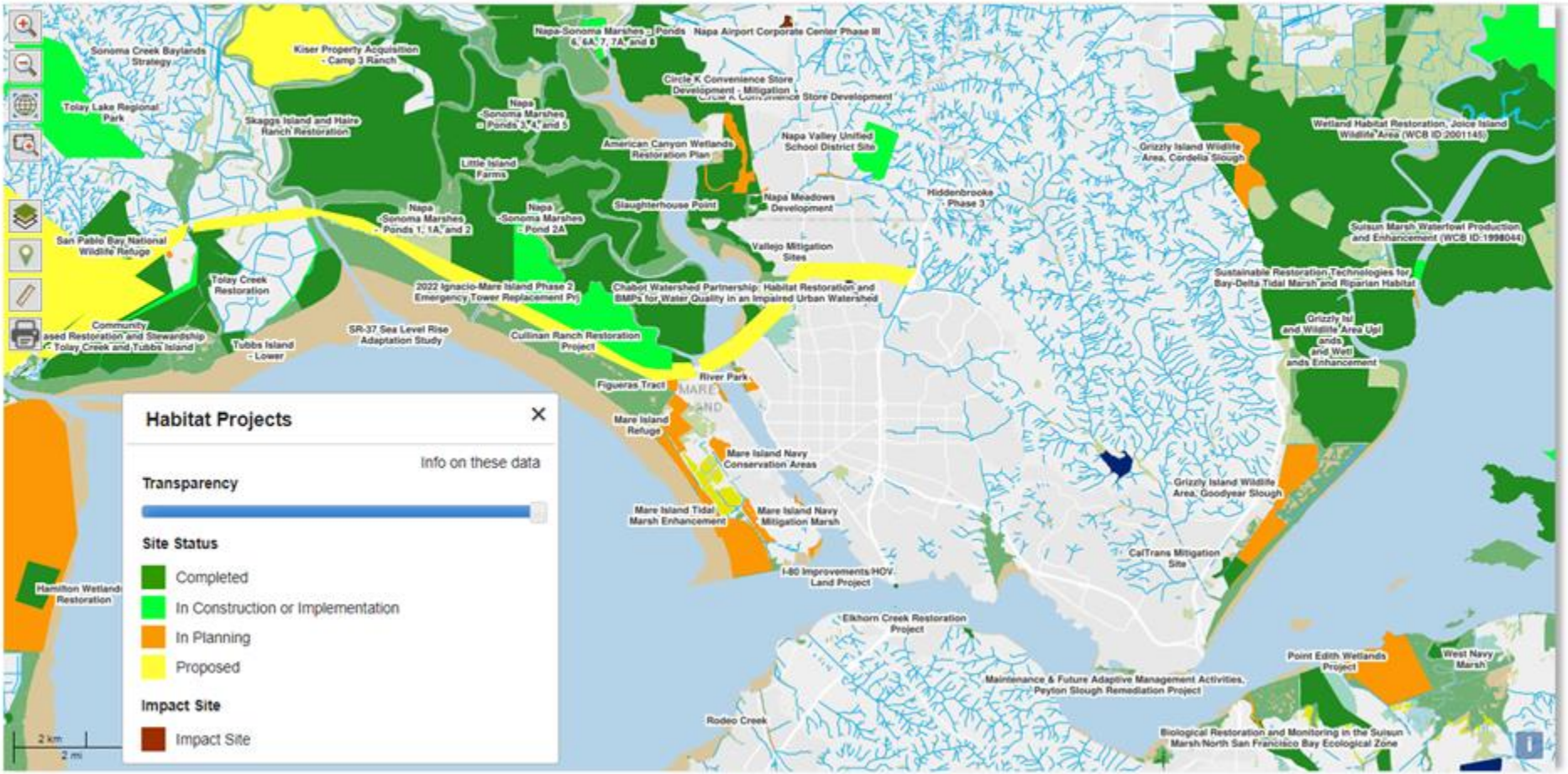
CARI Editor Tool



Project Tracker



Layers | Legends | Basemap | Overlays



Project Information Page

EcoAtlas ABOUT CONTACT DATA PROJECT TRACKER REGIONS WEB SERVICES/API PARTNERS

Montezuma Wetlands Restoration Project

Basic Information | Files & Links | Project Map | Habitat Development Curves

Print Project Factsheet

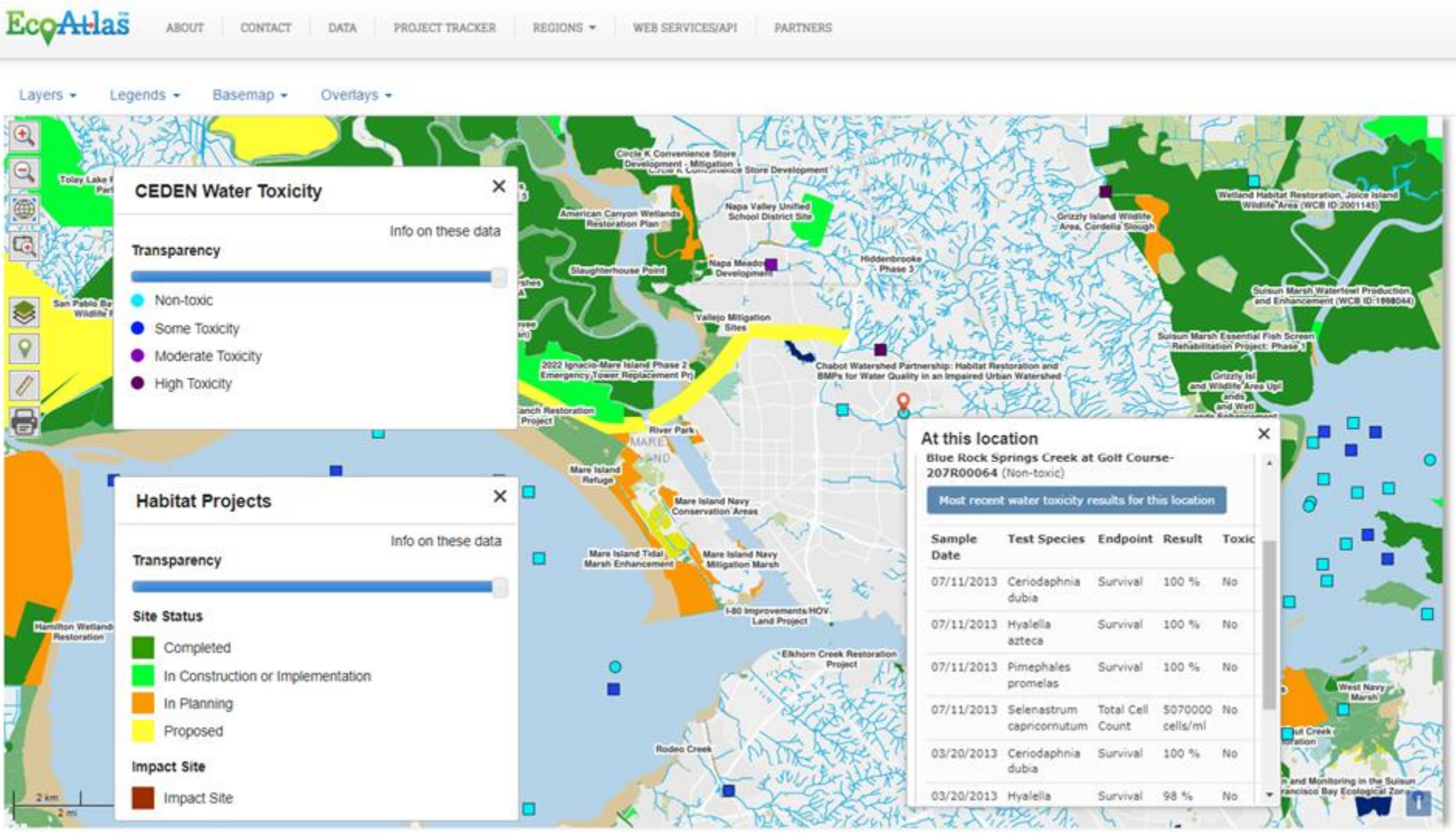
Status	In-progress	**County**	Solano
Project Type	Non-mitigation	**Location**	38.09541° N, -121.87327° W Map
Project Area (Acres)	2,129	**Last Updated**	19 July 2022
Project Abstract	This 4-stage project will restore about 1,820 acres of tidal wetlands, seasonal wetlands, intertidal ponds, vernal pools, and upland buffer zone habitats through the engineered placement of about 20 million cubic yards of agency-approved dredged sediment to raise the subsided site to elevations appropriate for intertidal marsh.		
Project Groups	San Francisco Bay Adaptation | San Francisco Bay Restoration Authority (Eligible) | San Francisco Bay Restoration Authority (Funded)		
Administrative Region	San Francisco Bay Joint Venture - Sandra Scoggin, SFBJV		

Project Identification

ID	Type
RA-001	SFBRA - Project ID
02-48-D0005	SWRCB - 401 Certification Letter (e.g., Site Number or WDID)
201051	SWRCB - CIWQS Place Number
194050	USACE - DA File Number

Habitat Plan

Site Name	Phase	Activity	SubActivities	Habitat	SubHabitat	Acres	Activity Status	Water Regime
Montezuma Avoided Seasonal Wetlands and Vernal Pools	Implementation	Acquisition/Preservation/Protection		Vernal pools and swales	None	1.40	Completed	
Montezuma Created Vernal Pools	Implementation	Creation/Establishment		Vernal pools and swales	None	3.78	Completed	Unknown/Unspecified
Montezuma Preserved Vernal Pools	Implementation	Acquisition/Preservation/Protection		Vernal pools and swales	None	3.80	Completed	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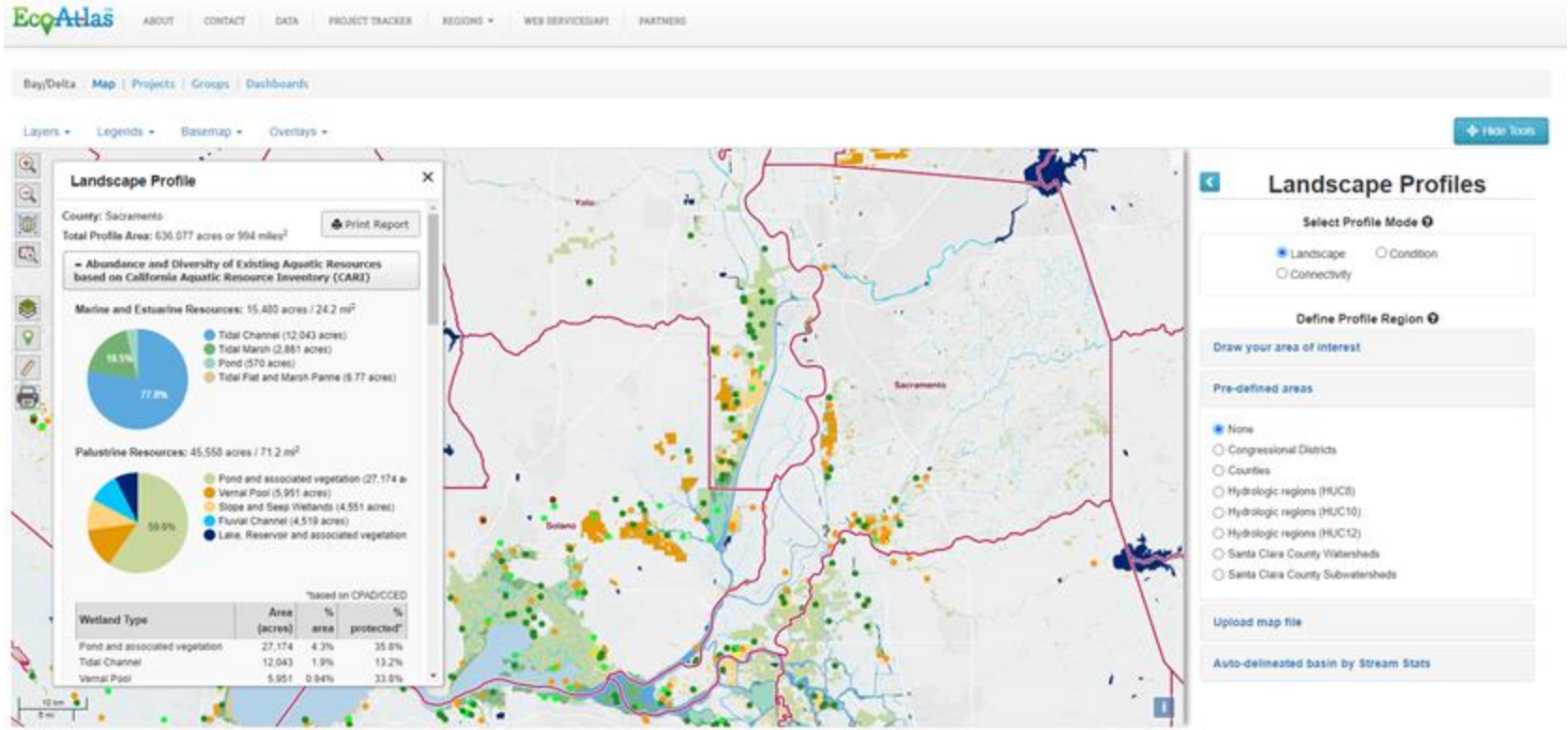
CEDEN Water Toxicity
Info on these data
Transparency
Non-toxic
Some Toxicity
Moderate Toxicity
High Toxicity
Habitat Projects
Info on these data
Transparency
Site Status
Completed
In Construction or Implementation
In Planning
Proposed
Impact Site
Impact Site
At this location
Blue Rock Springs Creek at Golf Course-207R00064 (Non-toxic)
Most recent water toxicity results for this location
Sample Date
Test Species
Endpoint
Result
Toxic
07/11/2013 Ceriodaphnia dubia Survival 100 % No
07/11/2013 Hyalella azteca Survival 100 % No
07/11/2013 Pimephales promelas Survival 100 % No
07/11/2013 Selenastrum capricornutum Total Cell Count 5070000 cells/ml No
03/20/2013 Ceriodaphnia dubia Survival 100 % No
03/20/2013 Hyalella Survival 98 % No
Circle K Convenience Store Development - Mitigation
American Canyon Wetlands Restoration Plan
Napa Valley Unified School District Site
Slaughterhouse Point
Napa Meadows Development
Hiddenbrooke - Phase 3
Wetland Habitat Restoration, Joice Island Wildlife Area (WCB ID:2001145)
Grizzly Island Wildlife Area, Cordelia Slough
Suisun Marsh Waterfowl Production and Enhancement (WCB ID:1998044)
Vallejo Mitigation Sites
Suisun Marsh Essential Fish Screen Rehabilitation Project: Phase 1
Chabot Watershed Partnership: Habitat Restoration and BMPs for Water Quality in an Impaired Urban Watershed
2022 Ignacio-Mare Island Phase 2 Emergency Tower Replacement Prj
River Park
Mare Island Refuge
Mare Island Navy Conservation Areas
Mare Island Tidal Marsh Enhancement
Mare Island Navy Mitigation Marsh
I-80 Improvements HOV Land Project
Elkhorn Creek Restoration Project
Rodeo Creek
West Navy Marsh
Hamilton Wetland Restoration
2 km
2 mi

Landscape Profile Tool



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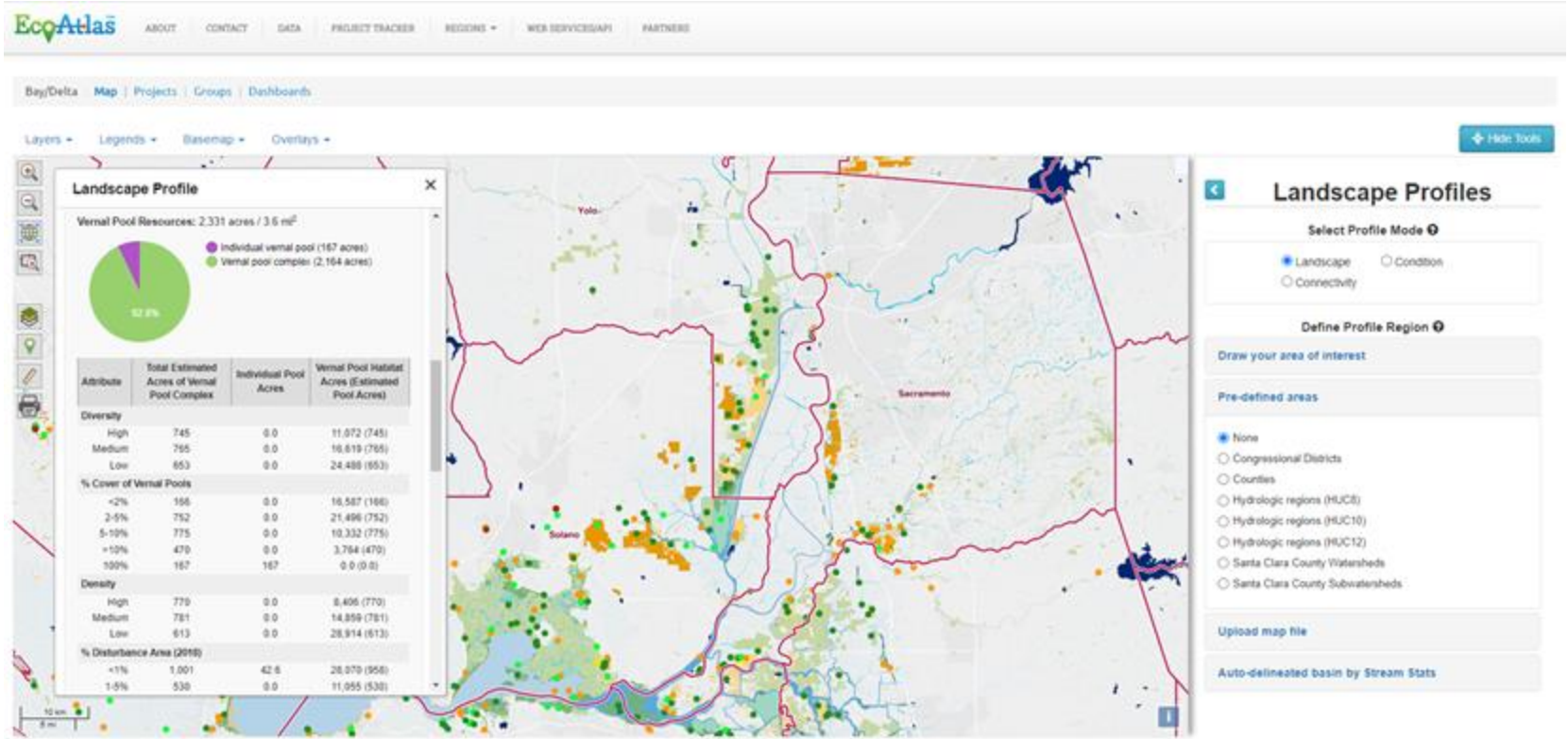

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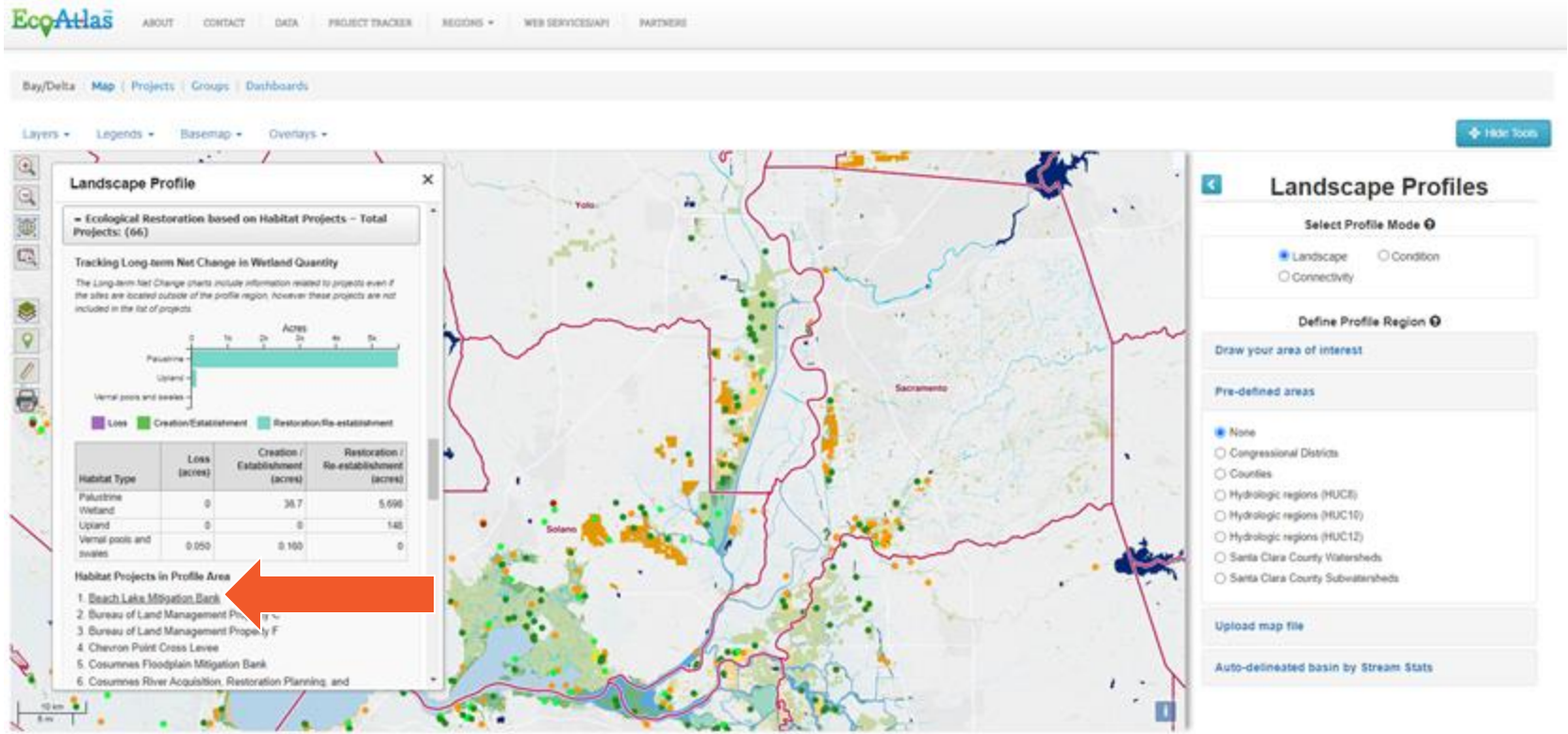

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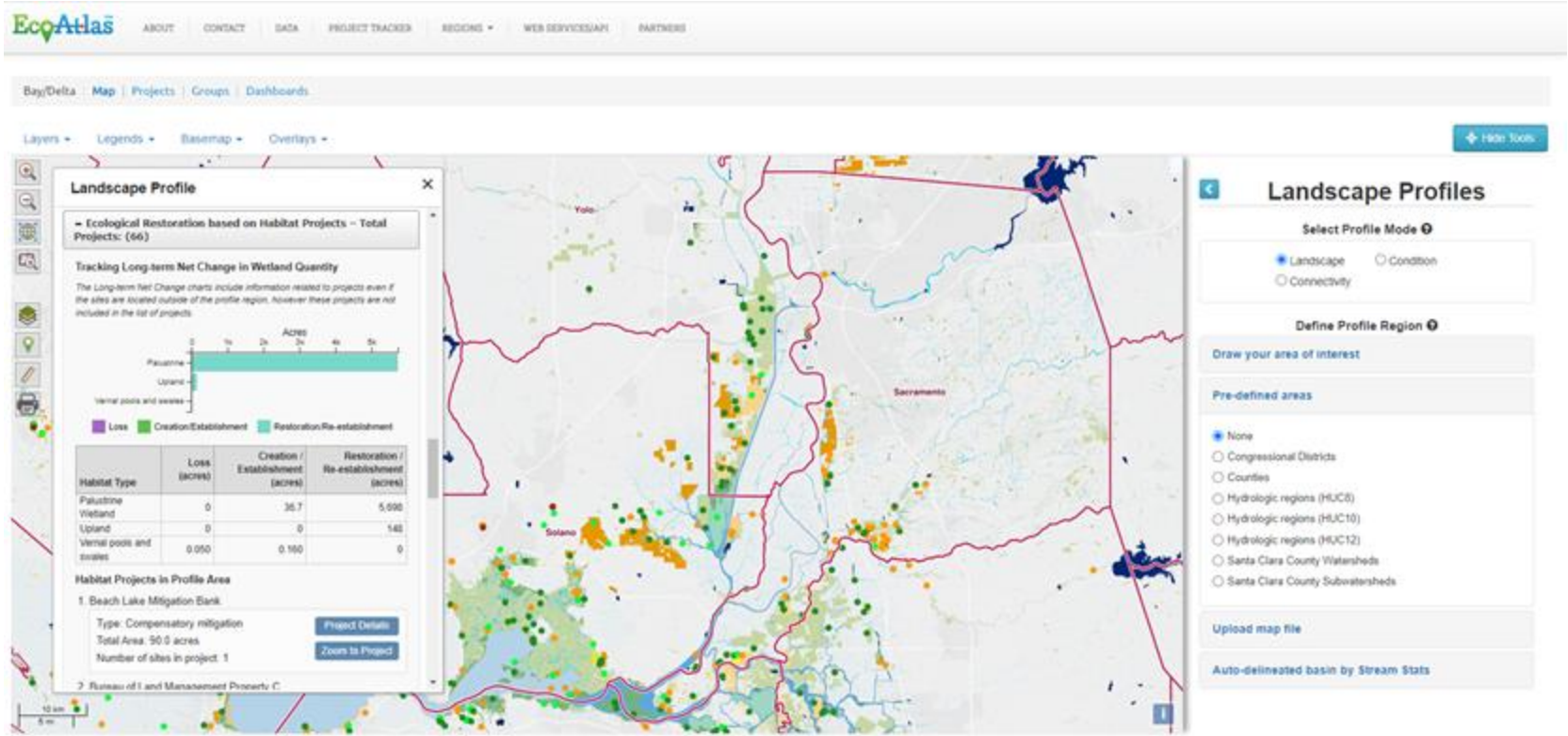

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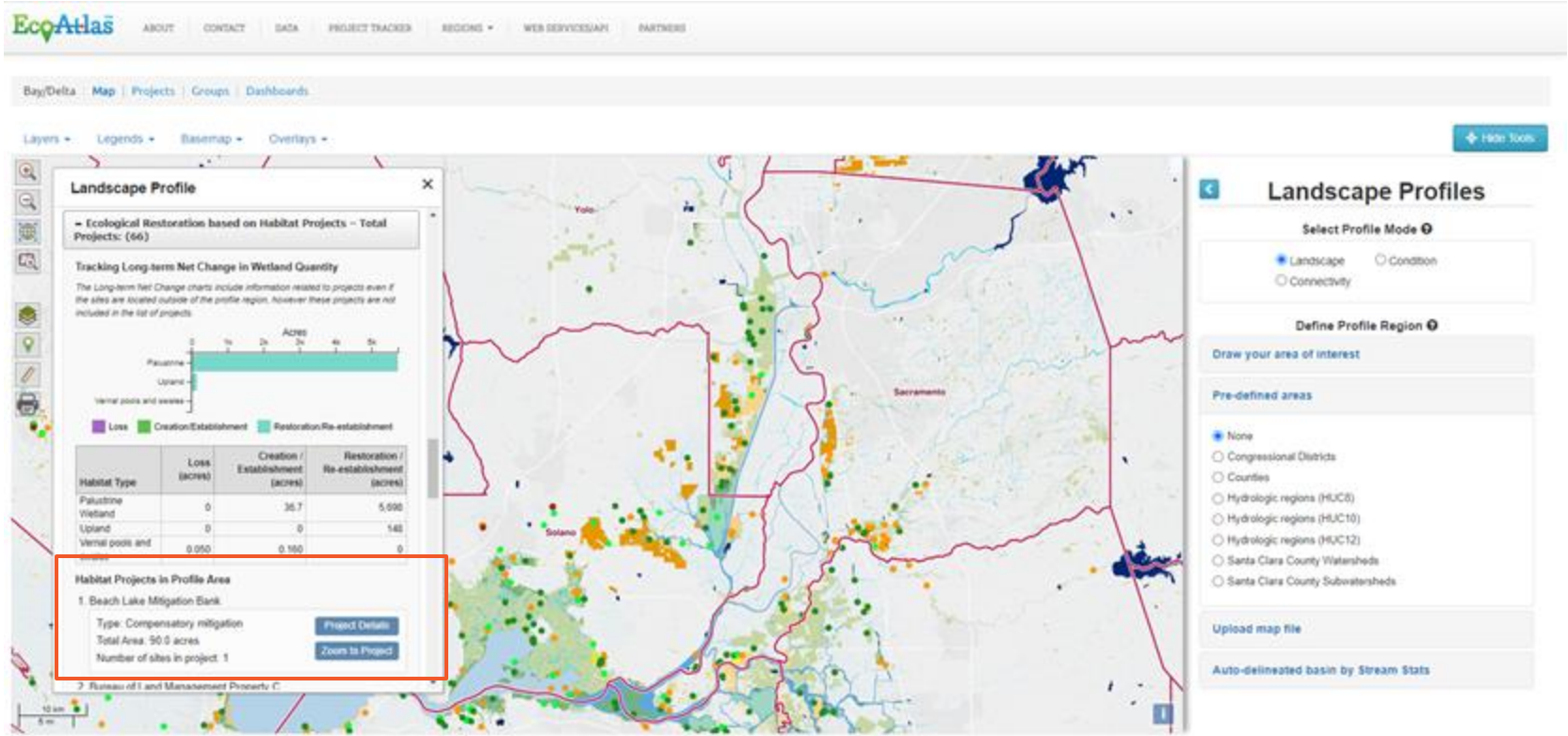

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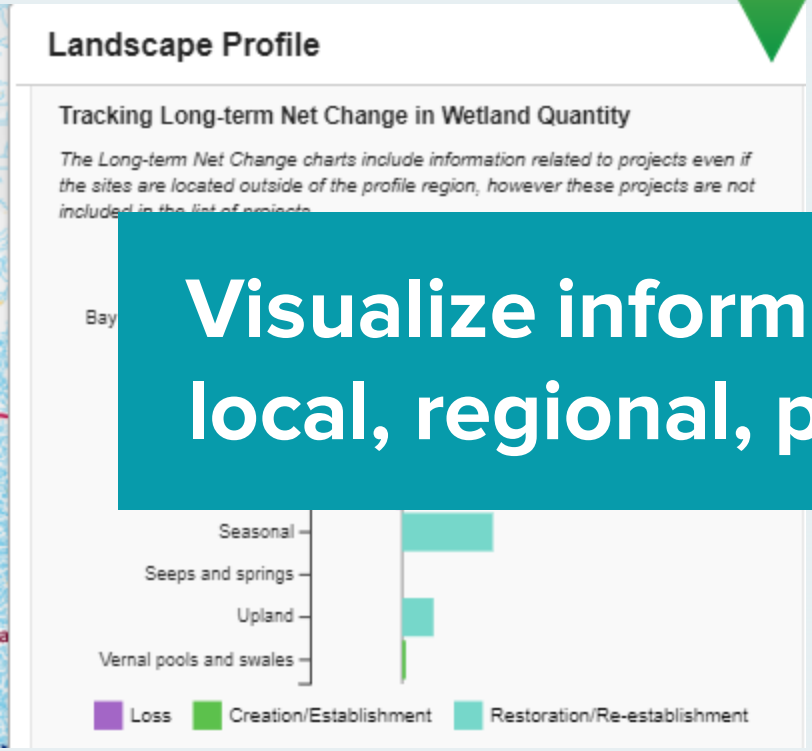

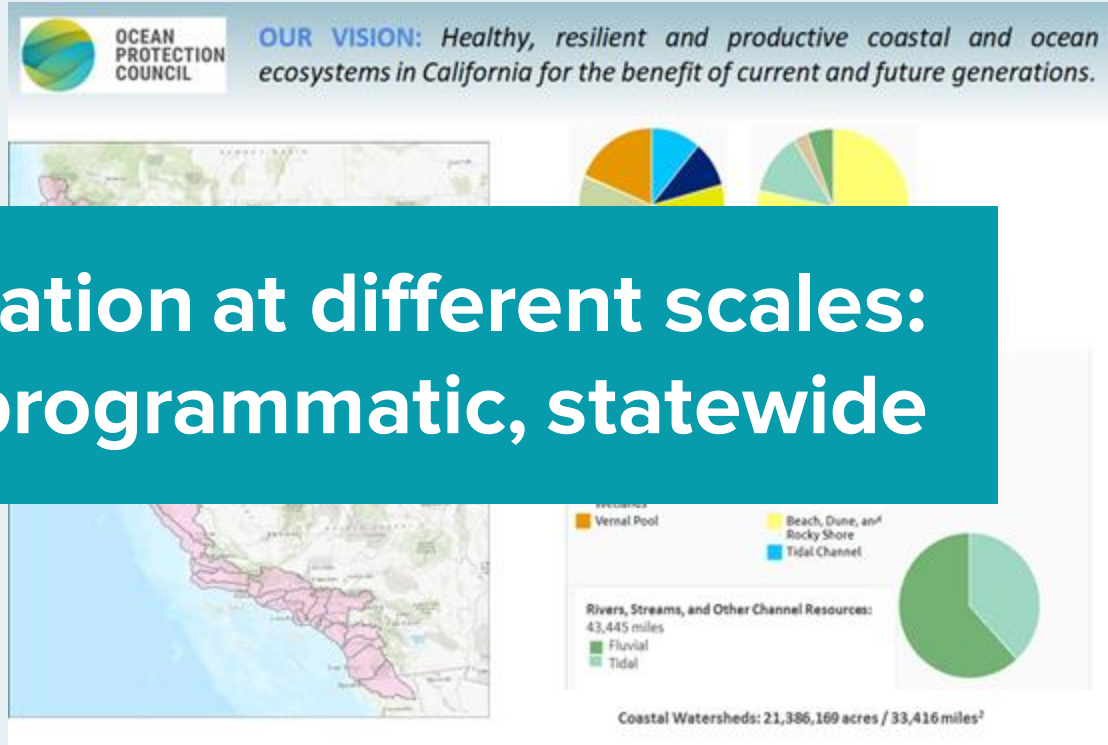

Visualize information at different scales: local, regional, programmatic, statewide

Questions?

petek@sfei.org

- EcoAtlas - ecoatlas.org
- CARI Editor - https://ecoatlas.org/regions/ecoregion/statewide/?carit=1
- Project Tracker - ptrack.ecoatlas.org