Integrated Aquatic Atlas Strategy

California Water Quality Monitoring Council 13 October 2010

Josh Collins, Cristina Grosso, Chris Solek, Eric Stein, Meredith Williams

Aquatic Atlas Web Tool

Purpose/definition

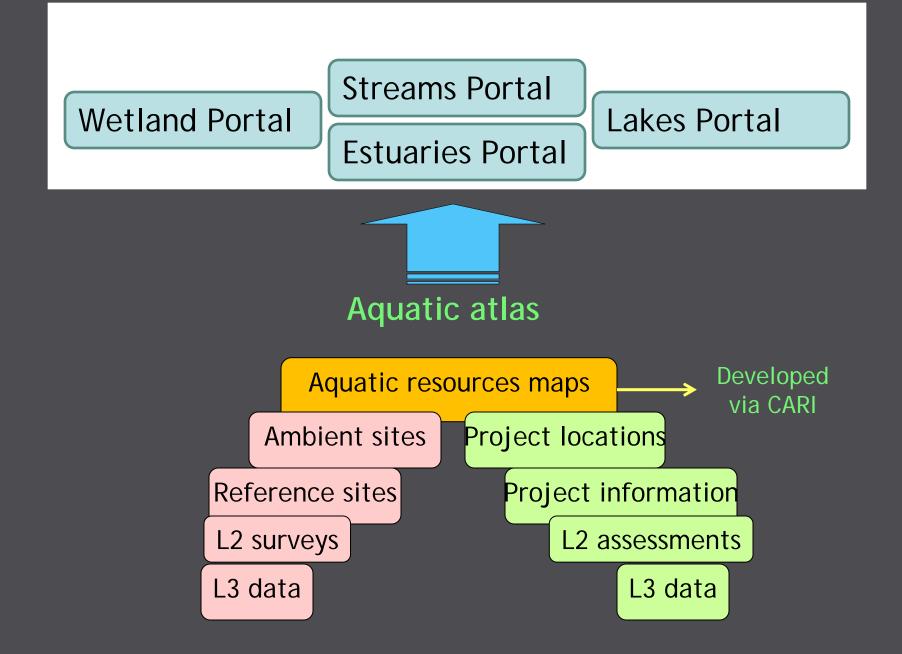
A system for data management and visualization of information on the extent and condition of aquatic resources

- > The user interface for the Regional Data Centers
- Map-enabled tool to answer questions regarding where aquatic resources are and how they are doing

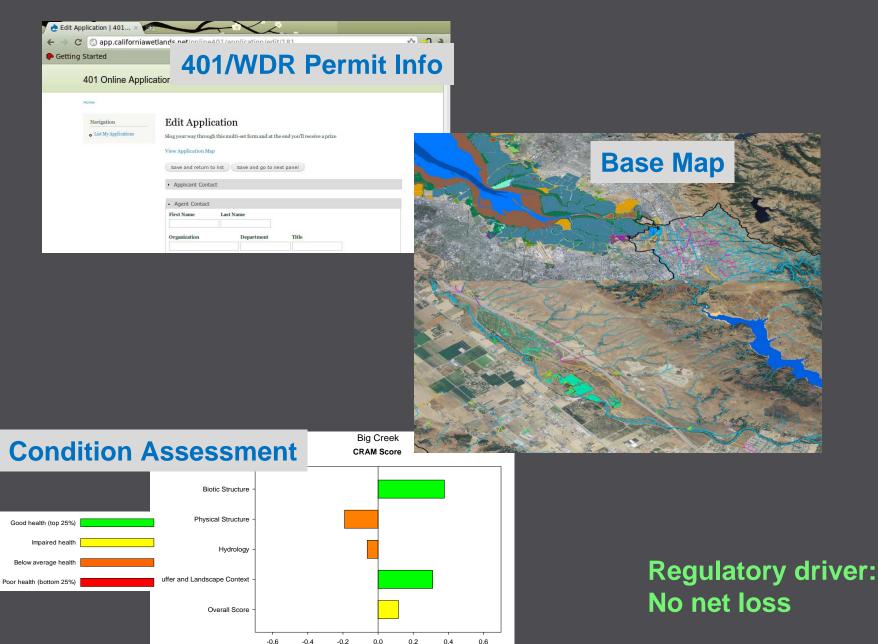
Key Features

- Common base map that encompasses all aquatic resource types (CARI)
- Project information across agency programs
- Ambient assessment data and reference site data
- Ability to generate project-specific reports
- Portals draw information from the atlas

Ability to answer questions about aquatic ecosystem health is <u>independent</u> of water body type



Fundamental Aquatic Atlas content: wetlands



% Difference from Statewide Average

Fundamental Aquatic Atlas content: streams



STATE OF CALIFORNIA DEPARTMENT OF FISH AND GAME NOTIFICATION OF LAKE OR STREAMBED ALTERATION



Complete EACH field, unless otherwise indicated, following the enclosed instructions and submit ALL required enclosures. Attach additional pages, if necessary.

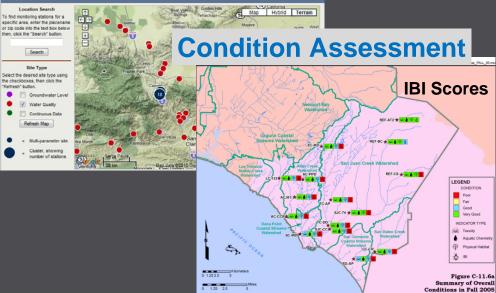
1. APPLICANT PROPOSING PROJECT

Name	
Business/Agency	4000 Downit Info
Street Address	1600 Permit Info
City, State, Zip	
Telephone	Fax
Email	

Water Data Library

Use the map below to locate monitoring stations. You can find an area of interest You zoom and pain the map. Duckly find an area searching for named features on a map such as the mane of a chy park, linkedmix, liak, water feature, or 26 code within California. Once at the area of interest, select the desired Site Type and click the 'Refrest Mag' button to show monitoring stations in the area. Additional searchest y data type are possible by clicking the links on the left. For help on these and Other ways to find your data (chi test).

WDL STATION MAP





Regulatory drivers WDR 303d

Fundamental Aquatic Atlas content: ocean waters

Regulatory support

- 402 Permitting
- ASBS support
- MPA management

Condition Assessment

- Partnership for Interdisciplinary Studies of Coastal Oceans (PISCO)
- Cooperative Research and Assessment of Nearshore Ecosystems (CRANE)
- California Cooperative Oceanic Fisheries Investigation (CalCOFI)

Bathymetry Base Map

California Coastal Mapping Program (CCMP)



Regulatory drivers 402

Portal vs. Atlas

- MWQ Portals:
 - Designed for primary audience of public, legislature, and agency decision makers
 - Thematic question-oriented web sites
 - Directed, specific, information delivery
- Aquatic Atlas:
 - Exploration
 - Broader audience managers, scientists, NGOs
 - Provides data and information that feed into the portals
- 1. All ecosystem health portals draw information from the atlas
- *2. Oversight infrastructure needed to support both with cross-communication*

What users need the tool to do

Put Data In

Condition: CRAM PHab IBI

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Project information: 401 Application forms Wetland tracker forms

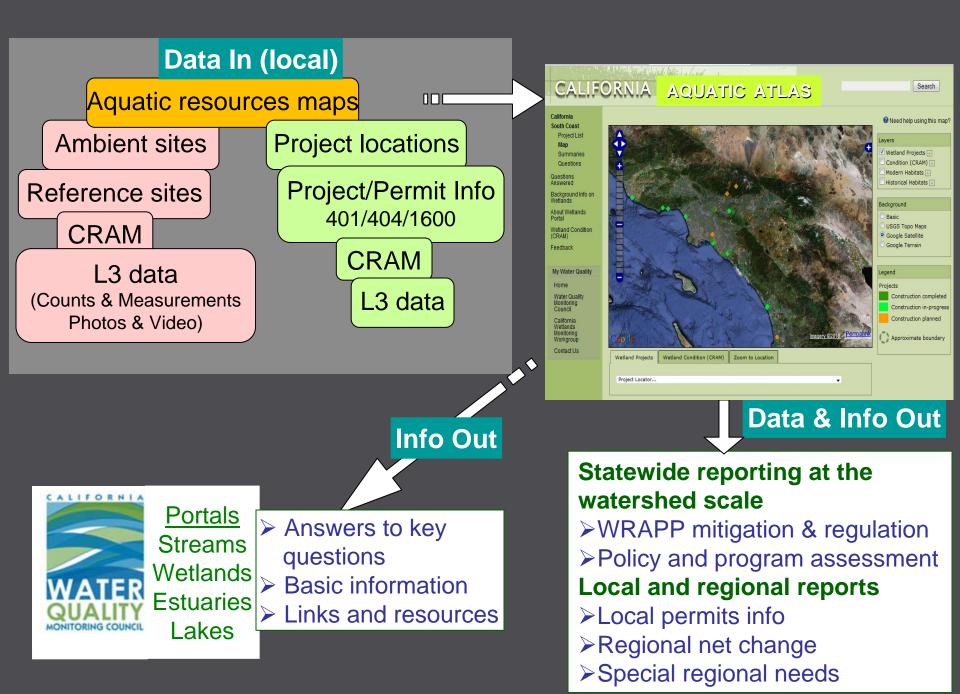
GIS data – base map

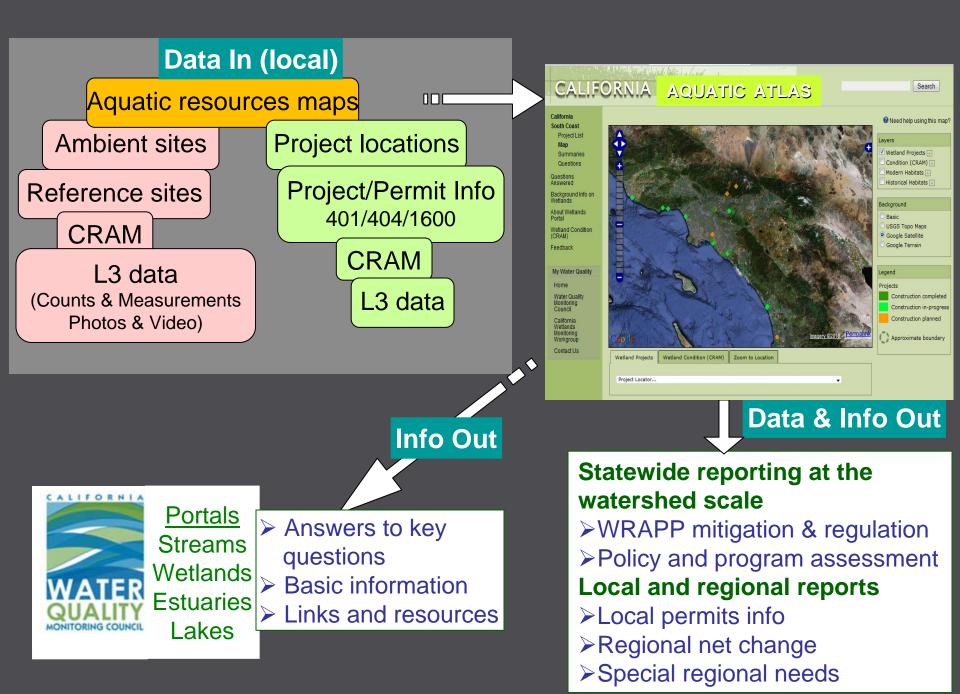
Get Data and Information Out

- User-defined raw data queries
- Project reports
- Condition report
- Watershed profiles
- Landscape analyses
- Permit status

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Current web tool architecture can support functionality for full range of aquatic resources





Thank you