My Water Quality Wetlands Portal & EcoAtlas Release

California Water Quality Monitoring Council
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For today

- **MWQ Ecosystem Health Wetlands Portal**
  - Content Overview
  - Demonstration
  - Request for approval

- **EcoAtlas**
  - Performance update
  - Demonstration
  - Release plan
Different domain than other portals, not as accessible
Inconsistent look and feel
Content doesn’t reflect most recent work and thinking of the CWMW
Goals for new portal

• Represent the range of wetlands in the state
• Make content more engaging and interactive
• Make content accessible
• Reflect the current best knowledge
• Identify data gaps and wetland monitoring challenges
• Introduce a new base map
California Aquatic Resources Inventory (CARI) - a new base map for aquatic resources

- Portal uses CARI v. 0
  - Proof of concept
  - CARI standards and data set will be reviewed by other workgroups

- Best available data - variable, but viable

- Wetland extent quantification is based on CARI data

*Continued Monitoring Council support helpful*
Demonstration

- 15+ pages
- Interactive content throughout
- Well-linked to other tools, program pages, and portals
Future Portal Evolution

- Close Gaps
  - Project tracking
  - CARI

- Continue to use the EcoAtlas engine to drive maps, reduce cost, and add content
Portal questions and concerns?

or
Goals for the upgrade:

- Better alignment with CWMW needs
- Leverage available technology improvements
Roles of EcoAtlas

- **Multi-agency support tool - serving many masters**
  - User groups: CRAM, landscape profile, project tracking
- Data repository
- Information management system
- Facilitates information aggregation for decision making
- Data source for other web sites
Data exchanges:
EcoAtlas: Data warehouse, data aggregator, information service

Direct EcoAtlas outputs
- Interactive map viewing
- Project activity reports
- Landscape profiles

EcoAtlas as data source, map service

EcoAtlas as data harvester

Data Sources

MWQ Portal

Direct EcoAtlas outputs:
- Interactive map viewing
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Programmatic links

Existing
- Strong link to 401 Program
- Eelgrass mitigation project tracking

Emerging
- Under consideration as means of tracking projects for the CVJV and SFBJV
- Aligned with needs of Delta Conservancy and Delta Restoration Network (DRN)
Demo
Active Development

- **Landscape profile**
  - Additional layers and content for use in watershed scale regulation
  - Uploadable user-defined spatial extents
  - Layers and content for HCP/NCCP

- **Project tracking**
  - Mitigation relationships
  - Online data entry
  - Summary reports

- **Web services for data exchanges**
  - CARI v.0
EcoAtlas is relevant to other programs

- Possible interface with 404 program
- Lake and streambed alteration agreements 1600
Release Plan

Tasks in support of March 29 “go-live” date
- Retire the existing californiawetlands.net (Portal + Wetland Tracker)
- Release MWQ Wetlands Portal
- Make ecoatlas.org public
- Launch new CRAM website - new modules, training tracking, better data tools
What can the Monitoring Council do?

- Support the Portal release
- Support CARI
- Encourage development of additional web services