

# Compendium of Resources, Protocols, and Guidelines for Effectiveness Monitoring

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## *Wetland Monitoring Workgroup*

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# Discussion Topics

- Introduction and why Compendium is needed?
- Purpose and intended use
- Governance and collaboration
- How to use the Compendium
- Compendium resources



# Introduction and Needs

- Large-scale environmental questions require analysis of data from multiple monitoring efforts
- Data sharing, combining, and comparing cannot be accomplished without compatible and assessible data



# Purpose of Compendium

- To enhance aquatic resources monitoring and data management in California
- ✓ A compilation of available resources to help programs follow consistent approaches



# Governance of Compendium

- Compendium is a living document initiated by multiple organizations
- ✓ Consistent with the State Wetlands and Riparian Area Monitoring Plan and US EPA



# How to use the Compendium

- A resource for implementing conservation programs and projects
- Summarizes guidance, standard operation procedures, and protocols for monitoring and data sharing



# Resources Information

- An overview table of recommended resources
- 12 pages guidance document includes description of monitoring purpose, application, and available resources



# Examples of the Compendium Overview Table

Monitored Ecosystem Attributes	Assessment Level	Metrics	Recommended Guidance	Data Management Systems
Aquatic resource inventories, habitat project inventories, watershed maps	Level 1 – Landscape scale; remote sensing; GIS derived	Maps, spatial data (geographic location and extent)	<a href="#">California Water Quality Monitoring Council (CWQMC)</a> <a href="#">– Wetland and Riparian Area Monitoring Plan (WRAMP)</a>	<a href="#">EcoAtlas</a>

# Resources Information Example

- Level II Resources: California Rapid Assessment Method:
- ✓ **Purpose:** *CRAM designed for assessing ambient conditions within watershed, regions and throughout the state*
- ✓ **Application:** *Trained practitioners assess the overall health of a wetland by narrative descriptions of observable conditions*
- ✓ **Resources:** *The California Rapid Assessment Method **website***



# Resources Information Example

- Level III Resources: Water Quality: Surface Water Ambient Monitoring Program (SWAMP):
  - ✓ **Purpose:** *SWAMP maintains monitoring infrastructure to support a robust monitoring program*
  - ✓ **Application:** *SWAMP provides SOPs for data collection, QA/QC templates, and sample handling*
  - ✓ **Resources:** **SWAMP Websites** for field measurement, Quality Assurance, and Clean Water Team Toolbox



A landscape photograph of a wetland. The foreground is dominated by tall, golden-brown grasses growing in shallow water. The water reflects the sky and the grasses. In the middle ground, there is a dense line of trees and shrubs. The sky is filled with large, white, fluffy clouds, and several birds are seen flying in the upper half of the frame. The overall scene is peaceful and natural.

Thank you