



2016  
Workgroup  
Accomplishments  
and  
2017 Aspirations

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# Bioaccumulation Oversight Group

- Partnership of state and federal agencies and non-governmental organizations



- Focused on accumulation of pollutants in fish tissue and threats to human health and wildlife
- Core monitoring program of SWAMP

# Bioaccumulation Oversight Group

## 💧 2016 Accomplishments

### 💧 Monitoring

- 💧 Priority lake sampling for mercury and PCBs

### 💧 Data supported agency actions

- 💧 Water Boards Impaired waters listings
- 💧 OEHHA Fish consumption advisories
  - 💧 General coastal California advisory

### 💧 Reporting

- 💧 Draft analysis of 2014 clean lakes sampling
- 💧 Mercury in coastal fish

# Bioaccumulation Oversight Group

## 💧 2017 Initiatives

### 💧 Monitoring

- 💧 Long-term bass lake sampling

### 💧 Data to support agency actions

- 💧 State Water Board fish tissue MeHg water quality objectives
- 💧 State Water Board beneficial uses - tribal & subsistence fishing
- 💧 Water Boards impaired waters listing and control program for mercury in reservoirs
- 💧 OEHHA fish consumption advisories

### 💧 Reporting

- 💧 Clean lakes report and bass lakes data report plus fact sheets
- 💧 Safe to Eat Portal data and trends page update

# Wetland Monitoring Workgroup



- 💧 Partnership of 24 state and federal agencies and non-governmental organizations



- 💧 Focused on the health of wetland ecosystems

# Wetland Monitoring Workgroup



- 💧 2016 Accomplishments
  - 💧 WRAMP tools – building capacity
    - 💧 Enhanced EcoAtlas, CRAM and riparian assessment tools and associated data management tools
    - 💧 Supported regulator & regulated users of WRAMP tools
  - 💧 Monitoring protocols
    - 💧 Began validating slope, depressionnal, & vernal pool CRAM modules
    - 💧 Updated training curriculums
    - 💧 Trained 102 practitioners
    - 💧 Added 877 new assessments to eCRAM database
  - 💧 Outreach to state, federal, and local agencies
    - 💧 Lahontan Regional Water Board's 401 WQ Cert program
    - 💧 Standardized language for Prop 1 grants

# Wetland Monitoring Workgroup



## 💧 2017 Initiatives

- 💧 Develop funding strategy for long-term stewardship of EcoAtlas
- 💧 Adapt WRAMP tools to support habitat conservation and natural community conservation planning programs
- 💧 Update technical guidance for use of CRAM in regulatory programs
- 💧 Complete validation of slope, depression, and vernal pool CRAM modules
- 💧 Develop standardized QAQC plan for Level 3 monitoring
- 💧 Develop WRAMP training curriculum

# Estuary Monitoring Workgroup

## 💧 Collaborative workgroup



- 💧 Focused on the health of estuarine ecosystems
- 💧 Initial emphasis is San Francisco Bay-Delta Estuary



# Estuary Monitoring Workgroup

## 💧 2016 Accomplishments

- 💧 Produced working version of Living Resources pages for Estuary Portal
- 💧 Completed web service for US Fish & Wildlife Service's Delta Juvenile Fish Monitoring Program data
- 💧 Secured stable funding from DWR to provide their Environmental Monitoring Program data to Portal
- 💧 Collaborated with other portal development efforts of 34 North to share data, maps, tools, and content
  - 💧 Estuary Portal
  - 💧 Sacramento River Watershed Program
  - 💧 Bay Delta Live
  - 💧 San Joaquin River Watershed

Captures data from 40% of California

# Estuary Monitoring Workgroup

## 💧 2017 Initiatives

- 💧 Develop new content for Estuary Portal through collaborations

## 💧 Living Resources

- 💧 Replace static annual D-1641 Water Quality Conditions Report to the SWRCB, Division of Water Rights
- 💧 Interactive water quality, BMI, zooplankton, phytoplankton data

## 💧 Habitat

- 💧 Aquatic vegetation – invasive aquatic weeds
- 💧 Map inventory of aquatic resources – farmed vs. wetlands

## 💧 Water Quality/Water Quantity

- 💧 Contaminant information
- 💧 Regulatory mandates

# Estuary Monitoring Workgroup

## 💧 Challenges

- 💧 Broaden focus to additional estuaries – SWAMP?
- 💧 Translating information for public consumption

## 💧 Needs – Monitoring Council assistance

- 💧 Funding to maintain and enhance efforts
- 💧 Workshop for portal workgroups to share successes and challenges
- 💧 Roadmap to help portal users to find distributed content in multiple portals

# Healthy Watersheds Partnership



- 💧 Partnership of state and federal agencies and non-governmental organizations



- 💧 Focused on the health of watersheds and their aquatic ecosystems

# Healthy Watersheds Partnership



- 💧 2016 Accomplishments
  - 💧 Applied for USEPA grant to improve the CADMUS watershed health and vulnerability assessments
    - 💧 Integrate data relevant to informing management questions
  - 💧 Not selected for funding

# Healthy Watersheds Partnership



## 💧 2017 Initiatives

- 💧 Applied for grant to develop regional watershed assessment tool for Central Coast
  - 💧 Partnered with Wetland Monitoring Workgroup
- 💧 Explore use of CADMUS watershed assessments to prioritize Prop 1 grant allocations by CDFW
- 💧 Support Water Board watershed conceptual model workshop in April
- 💧 Outreach to other agencies to develop partnerships

# Cyanobacteria and Harmful Algal Bloom Network

- Partnership of state, federal, and local agencies, tribes, and non-governmental organizations



- Focused on developing coordinated warning and response program to harmful algal blooms

# Cyanobacteria and Harmful Algal Bloom Network

- 💧 2016 Accomplishments
  - 💧 Adopted workgroup charter
  - 💧 Identified subcommittees to address current needs
  - 💧 Statewide recreational guidance updates
    - 💧 Trigger levels
    - 💧 Decision tree and narrative for posting health advisories
    - 💧 Signage at caution, warning and danger levels
  - 💧 Published initial HABs Portal with SWAMP
    - 💧 Bloom identification and reporting tools
    - 💧 Interactive map of reported bloom incidents
    - 💧 Toolbox of bloom response guidance and resources



# Cyanobacteria and Harmful Algal Bloom Network

## 💧 2017 Initiatives

- 💧 Improve processes based on last season experience
- 💧 Complete updated statewide recreational guidance
- 💧 Develop guidance on mitigation and needed permitting
- 💧 Determine research needs and data gaps
- 💧 Improve HABs Portal
- 💧 Educate veterinarians and pet owners

# Inland Beaches Workgroup

- Initial workgroup members



- Focused on
  - Coordinating monitoring, assessment, and reporting on swimming safety of inland waters
  - Facilitate data sharing with other organizations

# Inland Beaches Workgroup

- 💧 2016 Accomplishments
  - 💧 Formed initial workgroup of Water Board SWAMP staff
  - 💧 Became Monitoring Council workgroup
  - 💧 Created workgroup web page

# Inland Beaches Workgroup

## 💧 2017 Initiatives

- 💧 Update Safe-to-Swim Portal with bacterial indicator data collected from inland beaches and recreational waters
- 💧 Outreach to other organizations with similar focus
- 💧 Work towards standardized monitoring and assessment methods
- 💧 Encourage all bacterial indicator data to be in CEDEN
- 💧 Webinars on safe to swim topics
  - 💧 Through Water Quality Collaboration Network
- 💧 Collaborate with CCHAB Network

# Data Management Workgroup

- Partnership of governmental, non-governmental and technology organizations and academics
- Focused on providing recommendations on data management, data access, GIS and web development
  - Issues common to all theme-specific workgroups

# Data Management Workgroup

- 💧 2016 Accomplishments
  - 💧 Formed Steering Committee to guide workgroup efforts
    - 💧 Developing use cases for open data based on Delta Council priority decision making data needs
  - 💧 Prepared four fact sheets to increase understanding
    - 💧 Data management plans
    - 💧 Web services
    - 💧 Data federation
    - 💧 Open data
- 💧 Passage of AB 1755 added focus to mission

# Data Management Workgroup

## 💧 2017 Initiatives

- 💧 Amend charter to clarify relationship between workgroup and steering committee
- 💧 Assist with AB 1755 implementation
  - 💧 Interagency consultation through Steering Committee
  - 💧 Data sharing protocols development by workgroup

# Water Quality Monitoring Collaboration Network

- Provides regular web-based seminars for agency personnel, citizen monitors and others
- Foster information exchange
- Encourage broader use sound methods and tools for monitoring, assessment, reporting, and data management



# Water Quality Monitoring Collaboration Network

- 💧 2016 Accomplishments
  - 💧 Shared videos on the web
    - 💧 Water Board Water Quality Science Symposium presentations
    - 💧 SWAMP trainings on HAB monitoring, assessment, and response
  - 💧 Webcasting to increase attendance
    - 💧 Baetid larval taxonomy for bioassessment

# Water Quality Monitoring Collaboration Network

## 💧 2017 Initiatives

- 💧 Webinar series: highlight strength of citizen monitoring
  - 💧 Share success stories of existing programs
- 💧 Webinar series: monitoring to assess swimming safety
  - 💧 Better and more cost-effective monitoring
  - 💧 Eliminate or reduce pollution impacts

# Monitoring Council



## 💧 2016 Accomplishments

- 💧 Welcomed Karen Larsen as new Council Co-Chair
- 💧 Welcomed Council Member Bob Brownwood from DDW
- 💧 Emphasized issues important to the administration
  - 💧 Supported formation of unified harmful algal bloom response program through CCHAB and SWAMP
    - 💧 Sent letter and issue paper to Agency Secretaries
  - 💧 Supported better-informed Delta-related decision making through CEMW and CWMW
    - 💧 Endorsed Delta Conservancy grant proposal - continuous data QA
- 💧 Endorsed formation of Steering Committee for DMWG
- 💧 Added Inland Beaches Workgroup to Council
- 💧 Applied major update to My Water Quality and portals
- 💧 Supported legislative amendments to enhance Council role
  - 💧 Council named in AB 1755

# Monitoring Council



## 💧 2017 Initiatives

- 💧 Select new Council Co-Chair representing Natural Resources Agency
- 💧 Fill existing Council vacancies
  - 💧 Public, Agriculture, POTWs, Water Supply
- 💧 Welcome new Director
- 💧 Continue pragmatic approach to support key decision-making with relevant data and information
- 💧 Collaborate with DWR to implement AB 1755
- 💧 Engage Council workgroups to provide open data and tools that support key management decisions
- 💧 Link Human Right to Water to My Water Quality
- 💧 Add STORMS data to My Water Quality
- 💧 Review STORMS statewide monitoring framework



# Discussion: Proposed Report to Agency Secretaries