SWAMP
Surface Water Ambient Monitoring Program

CALIFORNIA Water Boards Training Academy
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

California Freshwater Cyanotoxin Monitoring Workshop

November 28, 2012

- Who is this Jay Davis fellow?
- What is the BOG?
- Why are we here today?

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State Agency Orientation (Part 1)

- Cal EPA
  - State Water Resources Control Board & 9 Regional Water Quality Control Boards
    - Surface Water Ambient Monitoring Program (SWAMP)
      - **Bioaccumulation Oversight Group (BOG)**
    - Training Academy
  - Office of Environmental Health Hazard Assessment
- Health and Human Services Agency
  - Department of Public Health
- Resources Agency

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State Agency Orientation (Part 2)

- Interagency Efforts
  - California Water Quality Monitoring Council
    - Mission: promote coordination, integration, access
    - Members
      - Cal EPA, Resources Agency, Department of Public Health, Regulated Community, Public, Scientists, Water Supply Agencies
    - Workgroups
      - **BOG**, 9 others
  - Statewide Blue-green Algae Working Group
    - State Board, OEHHA, DPH

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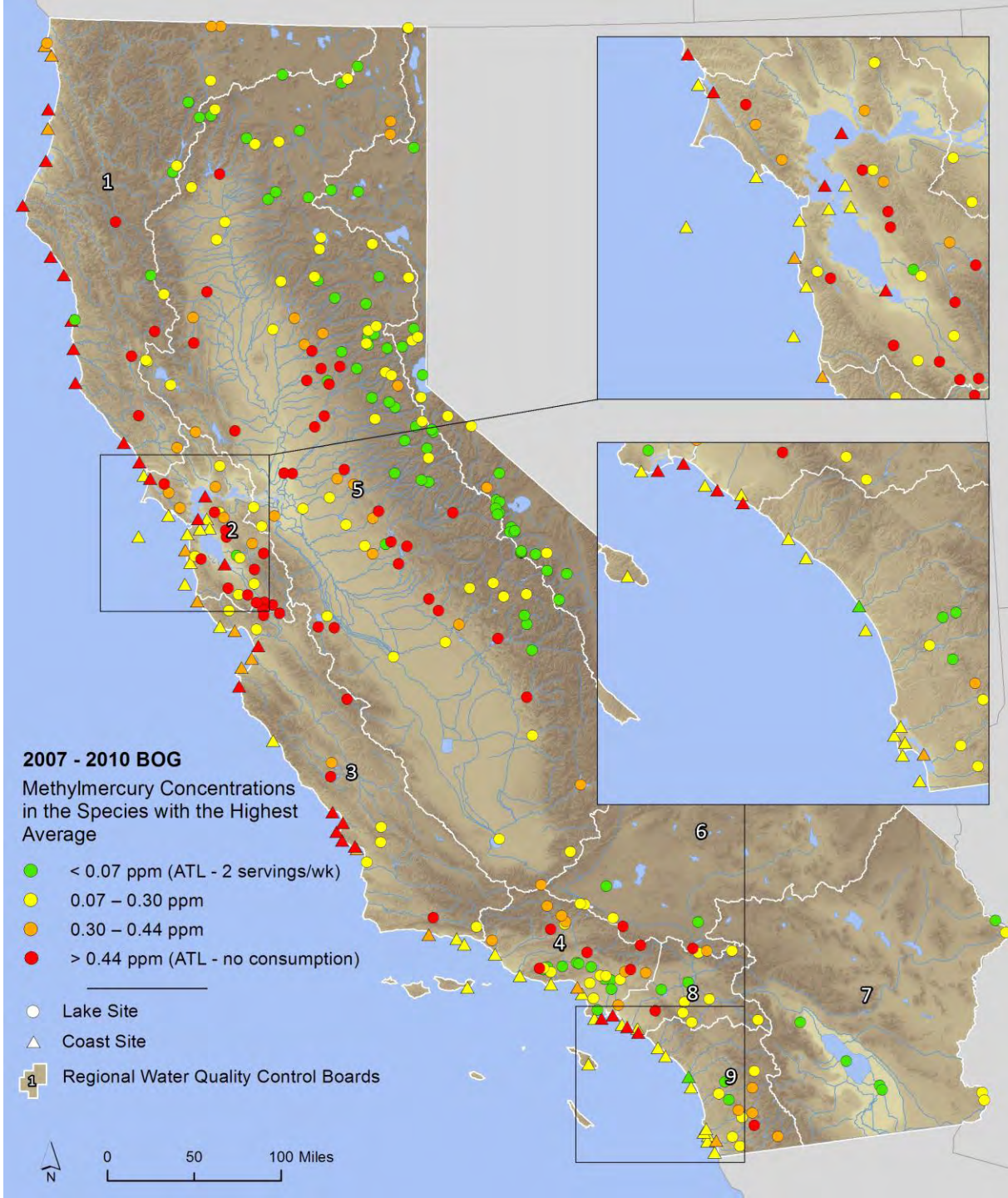
The BOG

- Recent Accomplishments and Activities
  - Statewide sport fish surveys (2007-2011)
  - Unprecedented coordination
  - Annual reports
  - Safe eating guidelines
  - Statewide TMDL
  - Centralized database
  - “Safe to Eat?” web portal
  - First statewide study on aquatic life impacts (2012-2013)
  - Bioaccumulation Strategy
  - Annual budget of $500-$750K



More Information on the BOG

- Google “Bioaccumulation Oversight Group”
- Email jay@sfei.org to be added to our email distribution list

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BOG/SWAMP Goals Relating to Biotoxins

- Provide monitoring information needed to support management decisions
  - Assess the statewide scope of the problem
  - Facilitate development of long-term statewide monitoring
  - Emphasis on coordination and partnership to promote efficient use of limited monitoring funds

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Biotoxins in California

- Many known problem areas

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  - Clear Lake

Blue-Green Algae

An Informational Bulletin

A blue-green algal mat floating on the water's surface.

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  - Crowley Lake
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  - Annual mussel quarantine on the coast

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  - Annual mussel quarantine on the coast
  - Sonoma County invertebrate die-off

Biotoxins in California

- Pertinent Facts
  - Over 9,000 lakes; thousands of miles of rivers, streams, and coastline
  - Climate change
  - Some monitoring on the coast
  - No systematic monitoring in freshwater habitats
  - The more we look, the more we find

Goals of Today's Meeting

- Focus on freshwater and cyanotoxins (initially)
- Promote manager and stakeholder understanding of cyanotoxin issues
- Gather information to set the stage for tomorrow's workshop
  - Information needs of managers
  - Monitoring approaches

- Tomorrow's meeting: Invitation only, but WebEx is available – talk to Ellen Willis-Norton

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Workshop Organizing Committee

- Karen Taberski
- Karen Worcester
- Lilian Busse
- Dave Crane
- Betty Fetscher
- Meredith Howard
- Jay Davis

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