

California Freshwater Cyanotoxin Monitoring Workshop

November 28, 2012



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



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



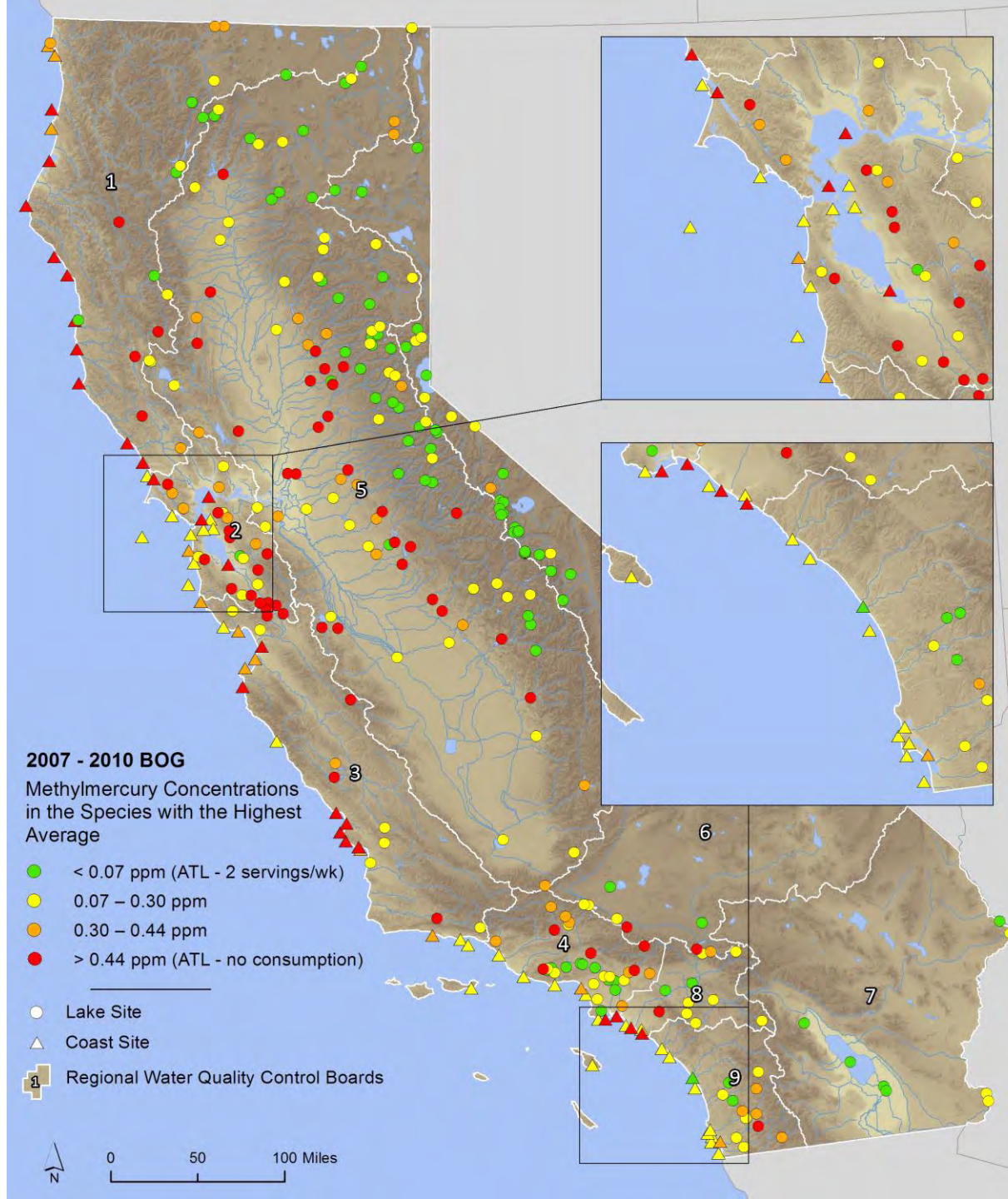
State Agency Orientation (Part 2)

- 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



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



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



Biotoxins in California

- Many known problem areas



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 - Klamath Basin



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■ Many known problem areas

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- Big Lagoon and Eel River



Biotoxins in California

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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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- Clear Lake
- Bay-Delta
- Stockton Channel



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- Crowley Lake
- Lake Elsinore



0 100 KM 100 Miles

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- 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



Workshop Organizing Committee

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

