

# Bioaccumulation Oversight Group (BOG) – Safe to Eat Fish and Shellfish Accomplishments in 2016 and Plans for 2017

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## Accomplishments in 2016

### Highlights of Decisions and Policies Supported

- State Water Board 303(d) impaired waters listing and statewide control program for reservoirs
- Office of Environmental Health Hazard Assessment (OEHHA) Statewide Advisory for Eating Fish from California Coastal Locations Without Site-Specific Advice
- OEHHA fish advisories for Shadow Cliffs Lake, Lexington Reservoir, French Meadows Reservoir, Hell Hole Reservoir, Elkhorn Slough, Lake Evans, Alamo River, New River, and Lake Gregory

### Safe-to-Eat Portal

- Presented draft improvements to the Safe to Eat Portal at the BOG meeting in March

### Workgroup Meetings

- March 30 - Annual Scientific Review Panel Meeting
- December 1

### Surface Water Ambient Monitoring Program (SWAMP) Newsletter Articles

- Winter - Statewide Survey Finds Fish-Eating Birds At Risk from Mercury in Many of California's Lakes
- Spring - SWAMP Establishes Long-Term Statewide Monitoring Plan for Mercury in Bass Lakes
- Summer - Mercury in Coastal Fish of California and Western North America
- Year End - New Safe Eating Advice for Fish in California Coastal Waters

### Publications and Presentations

- Hg concentrations in fish from coastal waters of California and Western North America. Davis et al. Science of the Total Environment.
- Spatial and temporal patterns of mercury concentrations in freshwater fish across the Western United States and Canada. Eagles-Smith et al. Science of the Total Environment.
- Bioaccumulation in California. Davis. SWAMP Water Quality Science Symposium

### Monitoring

- 2014 Clean Lakes Sampling
  - Presented revised draft analysis of Clean Lakes at the BOG meeting in March
- 2015 Long-term Bass Lake Sampling
  - Completed chemical analysis of samples
- 2016 Priority Lake Sampling
  - Prepared draft and final versions of a Sampling and Analysis Plan
  - Conducted the sampling for 34 lakes plus two from 2015
- 2018 Coast Sampling
  - Began planning for sampling the Coast in 2018

- Long-term Sampling Plan
  - Continued development of the designs and budgets for sampling in future years. Solid plans are in place through FY 2022/2023.

### Plans for 2017

#### Highlights of Decisions and Policies Supported

- State Water Board statewide fish tissue methylmercury water quality objectives
- State Water Board establishment of beneficial uses for tribal and subsistence fishing
- State Water Board 303(d) impaired waters listing and statewide control program for mercury in reservoirs
- Additional OEHHA fish consumption advisories

#### Safe-to-Eat Portal

- Release of upgraded Data and Trends page in April

#### Meetings

- April - Annual Scientific Review Panel Meeting
- One or two other meetings

#### SWAMP Newsletter Articles

- Four articles

#### Publications and Presentations

- Chapter on bioaccumulation for the Annual Water Quality Status Report in June
- Clean Lakes Report and Fact Sheet
- Data Report and Fact Sheet on 2015 Bass Lakes sampling in June
- Bioaccumulation in California. Davis. SWAMP Water Quality Science Symposium.

#### Monitoring

- 2014 Clean Lakes Sampling
  - Final report and fact sheet in June
- 2015 Long-term Bass Lake Sampling
  - Final data report and fact sheet in June
- 2016 Priority Lake Sampling
  - Complete chemical analysis of samples
- 2017 Long-term Bass Lake Sampling
  - Conduct the sampling for 36 lakes plus lakes missed in 2016
- 2018 Coast Sampling
  - Continue planning for sampling the Coast in 2018
- Long-term Sampling Plan
  - Continued development of the designs and budgets for sampling in future years.