



The RMP PCB Strategy

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Background

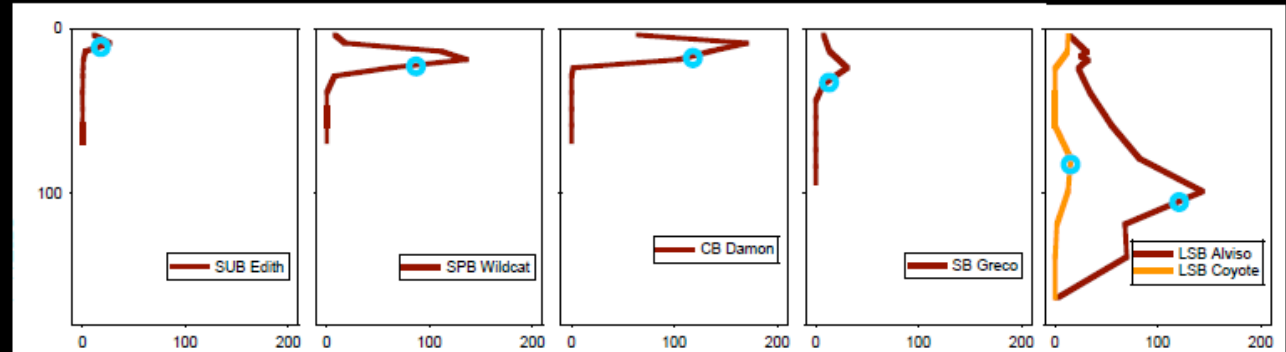
- PCB Strategy Team Meetings in 2009
- Feger, Mumley, O'Hara, Konnan, Dhaliwal, Connor, Cole, Yoshikawa, DeShields

Recent Advances in Understanding

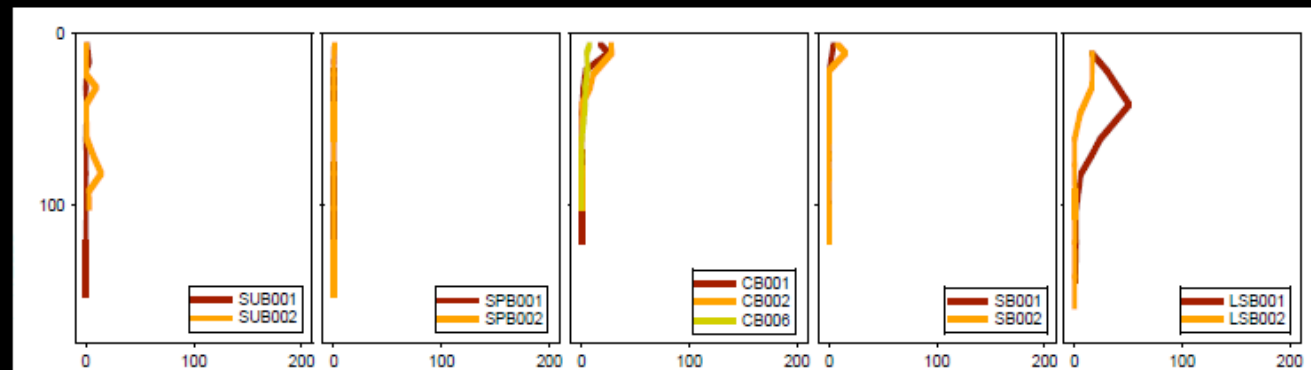
- Bay sediment looking cleaner
- Suisun Bay close to sediment goal
- Sport fish reach new high
- Risks to birds persist
- Small fish are surprisingly hot
- Bivalves still declining
- Coring data coming in
- PCB 11 – a new twist

Breaking News: PCBs*

- Wetland max ~1980



- Bay max much smaller



Decisions to Be Informed

- PCB TMDL 2.0
 - Small trib load reductions
 - Which tribs?
 - What actions?
 - Where is monitored recovery the best option?
 - Were actions effective?
 - Contaminated margin site cleanups
 - Which sites?
 - Cleanup target?
 - What actions?
 - Where is monitored recovery the best option?
 - Were actions effective?
 - What would be an appropriate revised total maximum daily load and load allocations?
 - When to do new TMDL?
 - Fish consumption information also needed

Management Questions

1. What are the rates of recovery of the Bay, its segments, and in-Bay contaminated sites from PCB contamination?
2. What are the present loads and long-term trends in loading from each of the major pathways?
3. What role do in-Bay contaminated sites play in segment-scale recovery rates?
4. What management actions have the greatest potential for accelerating recovery or reducing exposure?
5. What are appropriate guidelines for protection of beneficial uses?
6. What is the total maximum daily load of PCBs that can be discharged without impairment of beneficial uses?
7. What potential for impacts on humans and aquatic life exists due to PCBs?
8. What is the most appropriate index for sums of PCBs?

Recommended Additional RMP Studies

1. PCB Conceptual Model Update

Partially addressed in 2010, slated for serious consideration in 2011

2. Small Fish Monitoring

Funded for 2010

3. Small Tributary Wetland Cores

Consider for 2011 after Core Pilot completed

4. RFP on Degradation Rates?

Possible task to be considered after lit review in task 1

Small Fish PCB Monitoring

- \$50K, 2010
- Field sampling
 - 40 locations
 - 209 congeners
- Lit review
- Draft and final report
 - Spring 2011



Conceptual Model for Bioaccumulation

- \$40K, 2010
- Literature review
- Synthesis of recent RMP information
- Develop conceptual model
- Covers mercury, PCBs, and other contaminants
- Technical report drafted in August 2010

Addresses some of the issues identified for inclusion in the PCB conceptual model update