



Discussions, Questions, and Schedule



Multi-Media Correlation and Conceptual Site Model Questions

- **There is no obvious correlation between sediment, water column, and fish contamination from this data set**
 - Is it possible/realistic to expect multi-media correlation at this site?
- **Do we need to update the current conceptual site model?**
- **Do we need to redefine PV Shelf boundary?**
 - PV Shelf Study Area: Including part of Santa Monica Bay and shallow shoreline area
 - PV Shelf Modeling Area: Subset of PV Shelf Study Area



Compliance Status

Media	Constituents	IROD Post Capping Goal	IROD Goal	Final Goal	2018 MNR Study
Sediment (µg/kg)	Total DDTs	78,000	46,000	23,000	87,000
	Total PCBs	7,000	7,000		5,600
Zone 1 White Croaker EPC (pg/g)	Total DDTs		400,000		995,306
	Total PCBs		70,000		97,588
Zone 2 White Croaker EPC (pg/g)	Total DDTs		400,000		938,908
	Total PCBs		70,000		134,101
Zone 3 White Croaker EPC (pg/g)	Total DDTs		400,000		515,494
	Total PCBs		70,000		60,125
Water Column Eco-protection** (pg/L)	Total DDTs		1,000	1,000	1,590 (4C)*
	Total PCBs		30,000	30,000	190 (7C)*
Water Column Human Health protection** (pg/L)	Total DDTs?		220 ?	220 ?	1,590 (4C)*
	Total PCBs		64	64	190 (7C)*

- Maximum concentration from all grab samples
- **Applicable 2002 Ambien Water Quality Criteria



Sediment Compliance Questions

- **Can we change the way we determine compliance with sediment goals?**
 - Modeling is expensive
 - Modeling requires assumptions
- **Instead of modeling, can we average the sediment concentrations?**
 - How can this be done?



Fish Tissue Compliance Questions

- **How do we determine compliance with fish tissue goals?**
 - Most contaminated fish?
 - Average data for each zone?
 - Average data for the entire study area?
 - Exposure Point Concentration?
 - 95% Upper Confidence Limit concentration for entire PV Shelf Study Area?
 - 95% Upper Confidence Limit concentration for each zone?



Water Column Compliance Questions

- **How do we determine compliance with Water Quality Goals?**
 - Point by point?
 - Average data from each water column?
 - Average data from each strata?
 - Average data for the entire study area?
- **What exactly is the DDT Human Health Protection Water Quality Objective in the IROD?**
 - Total DDTs?
 - Only *p,p* DDE?
 - Only *p,p* DDT?
 - Consider *p,p* DDD, *p,p* DDE, *p,p* DDT separately?



Sediment Analysis and Modeling Questions

- **Do we need to continue to analyze the 0-8 cm layer in 2 cm increments?**
 - If not, how should we slice the core?
 - 0-8 cm and remainder?
 - 0-4 cm, 4-8, and 8-remainder?
- **Do we need to keep track of the mass of DDTs and PCBs?**
 - What is the purpose of keeping track of the mass?
 - Can we live with the uncertainty introduced by the MVS model?



Water Column Sampling Question

- **Should we continue to analyze both passive and grab samples?**
 - **Passive Sampling:**
 - Pros: Potentially reflects actual long term exposure
 - Cons:
 - Lost samples
 - Deployment challenges (shipping lane, thief)
 - Emerging science
 - Calculated results
 - **High Resolution Grab Sampling:**
 - Pros: Ease of deployment
 - Cons: May not reflect long term exposure



Fish Tissue Sampling Questions

- **Should we continue to collect Barred Sand Bass?**
- **Is there a better specie of fish?**
- **Do we need to continue to collect fish from Ventura Flats, Redondo Flats, and Huntington Flats?**



Housekeeping Questions

- **What Should we call the upcoming report?**
 - First Monitored Natural Recovery Report?
 - 2018 Monitored Natural Recovery Report?
 - 2013 Monitored Natural Recovery Report?
 - 2013-2016 Monitored Natural Recovery Report?
 - Anything other suggestions?
- **How long should we keep the remaining sediments?**
- **Do we need to retain the fish remainders?**
- **Would you like a site tour?**



Schedule

- **Fall 2017:** Draft First Monitored Natural Recovery Report, including 3rd party modeling results
- **Spring 2018:** Final First Monitored Natural Recovery Report
- **Summer 2018:** Initiate preparation for the Second Five Year Review
- **Winter 2018:** Initiate planning efforts for the Second Monitored Natural Recovery Report
 - Including evaluation of current Conceptual Site Model
- **Summer 2019:** Initiate Second Monitoring Natural Recovery Sampling Effort
- **September 2019:** Publish Second Five Year Review



Remedy Implementation Status

- **Interim Sediment Cap Placement:**
 - Suspended pending further data collection and evaluation
- **Monitored Natural Recovery**
 - Ongoing
- **Institutional Controls**
 - Ongoing



Questions?