



Palos Verdes Shelf Technical Information Exchange Group (PVSTIEG) Meeting

Tuesday, June 20, 2017

NOAA Offices

Room 3300, 3rd Floor, Long Beach Federal Building
501 West Ocean Boulevard
Long Beach, California 90802



Background

■ **2009 Interim Record of Decision (IROD) Remedy Components:**

- Institutional Controls
- Monitored Natural Recovery (MNR)
- 300-acre cap in hot spot area

■ **2009 Baseline Sampling Program Results:**

- It appears that concentrations and mass of DDTs and PCBs are decreasing due to MNR
- Interim cap may not be necessary because mean concentrations in surface sediments are lower than IROD goals for the cap (78 mg/kg OC for DDTs; 7 mg/kg OC for PCBs)

■ **Follow-up Actions:**

- EPA suspended the interim cap design based on the 2009 data
- EPA collected additional data for the First Monitored Natural Recovery Report (First MNR Report)



First MNR Study

- **Samples Collection:**

- From 2013 to 2016

- **Media:**

- Sediment
 - Water Column
 - Passive Sampling
 - High Resolution Pilot Study
 - Fish Tissue
 - White Croaker and Barred Sand Bass



Terminology

- **DDTs:** *o,p'*-DDD, *o,p'*-DDE, *o,p'*-DDT, *p,p'*-DDD, *p,p'*-DDE, and *p,p'*-DDT
- **DDT Compounds:** DDTs, plus *p,p'* DDMU, and *p,p'* DDNU
- **PCBs (28 Congeners- 2009 Study):** PCB 8, 18, 28, 44, 52, 66, 77, 81, 101, 105, 114, 118, 123, 126, 128, 138/158, 153, 156, 157, 167, 169, 170, 180, 187, 189, 195, 206, 209
- **PCBs Expanded List (45 Congeners – 2018 MNR Study):** PCBs plus PCB 31, 37, 49, 70, 74, 87, 99, 110, 119, 149, 151, 168, 177, 183, 194, 201, 203
- **Bioavailable Layer:** 0-8 cm