

Information Needs and RMP Studies to Address Them

BACWA

<p>Dioxin monitoring information (water, sediments, tissue, atmospheric deposition) to derive BEFs suitable for the San Francisco Estuary and to develop a multi-media dioxin strategy</p>	<ul style="list-style-type: none"> ▪ Dioxin strategy <ul style="list-style-type: none"> ○ Sport fish (2009 and 2012) ○ Surface sediment (2008 [on hold pending funding], 2009, 2012 [proposed]) ○ Water (2009, 2011 [proposed]) ○ Bird eggs (2012 [proposed]) ○ Cores (2008) ○ One-box model (2011 [proposed]) ○ Small trib loadings (2009, 2010-2011 [proposed]) ○ Delta loadings (2010 [proposed]) ○ Atmospheric deposition (2009) ○ Food web model (2012 [proposed])
<p>Mercury: fate, transport, the conditions under which mercury methylation occurs, and biological uptake</p>	<ul style="list-style-type: none"> ▪ Mercury strategy <ul style="list-style-type: none"> ○ Small fish monitoring (Annual S&T) ○ Mercury isotopes (2008 & 2009) ○ DGTs (2008 & 2009)
<p>Mercury: presence of, or potential for, local effects on fish, wildlife, and rare and endangered species in the vicinity of wastewater discharges</p>	<ul style="list-style-type: none"> ▪ Mercury strategy <ul style="list-style-type: none"> ○ Small fish monitoring (Annual S&T) ○ Mercury isotopes (2008 & 2009) ○ DGTs (2008 & 2009)
<p>PCBs: (1) PCBs mass budget modeling and food web model improvements</p>	<ul style="list-style-type: none"> ▪ Modeling strategy <ul style="list-style-type: none"> ○ Flexible grid model of the Bay and margins (2010-2014+) ○ Margins conceptual model (2009) ○ Conceptual model for bioaccumulation (2010 [proposed])
<p>PCBs: (2) rate of natural attenuation of PCBs in the Bay environments</p>	<ul style="list-style-type: none"> ▪ PCB Strategy <ul style="list-style-type: none"> ○ PCB Conceptual Model 1.5 (2010 [proposed]) – would include a literature review on degradation rates

Item 6 BACWA Information needs

<p>PCBs: (3) monitoring to demonstrate progress toward attainment of allocations and the numeric TMDL targets</p>	<ul style="list-style-type: none"> ▪ Sport fish (Triennial S&T) ▪ Bivalves (Biennial S&T) ▪ Bird eggs (Triennial S&T) ▪ Sediment (Annual S&T) ▪ Water (Biennial S&T)
<p>Chemicals of emerging concern</p>	<ul style="list-style-type: none"> ▪ Emerging Contaminant Strategy <ul style="list-style-type: none"> ○ White paper on contaminants of concern in wastewater (2009) ○ Screening of biological matrices for anthropogenic pollutants (2010 [proposed])