

**CAP Category: Uncertainty Reduction Studies**

**BASELINE ACTIVITY: CB-17(2) – Measures to assess cycling and fluxes between water column, phytoplankton, sediments, and benthos**

**Region of Applicability:** South Bay and likely Bay-wide

**Linkage to Copper Reduction:** Improve understanding of mechanisms and flux rates impacting water column concentrations

**Performance Measure(s):** Development and validation of methodologies to conduct cycling analyses

<b>Lead Party</b>	<b>Report/Source</b>	<b>Actions</b>	<b>Effectiveness Evaluation</b>	<b>Future Actions</b>
<b>FY 2004-2005</b>		<b>PROPOSED WORKPLAN ACTIONS</b>		
CEP		Continue/complete FY 2003-2004 study needs assessment as part of CEP NDB Cu/Ni site specific objective project. Timing dependent on schedules of other projects that have been delayed and funding limitations.		Targeted completion-end of CY 2004.
SCVURPPP with transition to RMP reporting annually to SCVURPPP		Include in bay-wide research tracking conducted by SFEI/RMP (see description under CB-17(1)).		
<b>FY 2003-2004</b>		<b>Actions Accomplished in Period</b>		
CEP		Prepared a summary and update of impairment assessment uncertainty studies regarding phytoplankton and sediments. Results included in April 2004 CEP North of Dunbarton Bridge Copper Nickel Conceptual Model Impairment Assessment Report (pp. 15-26)	Additional work on cycling/fluxes deemed unnecessary based on results of Bruland copper speciation study.	

Lead Party	Report/Source	Actions	Effectiveness Evaluation	Future Actions
		SFEI/RMP began development of web-based copper "uncertainty studies" research tracking project (see CB-17(1)).		
<b>FY 2003-2004</b>		<b>PROPOSED WORKPLAN ACTIONS</b>		
WMI Core Group SCVURPPP		Activity to be reassessed when decision revisited during SCVURPPP permit re-issuance and/or during North of Dumbarton Bridge Impairment Assessment Report development about updating the Conceptual Model.		
SCVURPPP		Continue to track results of sediment TIE investigations and method development efforts by RMP funded researchers. Obtain third party review of North Bay sediment toxicity possibly linked to copper. Review available data on health and prevalence of benthos in areas reportedly showing toxicity.		
SCVURPPP with transition to RMP reporting annually to SCVURPPP		Include in bay-wide research tracking effort proposed to be conducted by SFEI/RMP (see description under CB-17(1)).	May require additional non-RMP funding	
<b>FY 2002-2003</b>		<b>Actions Accomplished in Period</b>		
SCVURPPP		Activity on hold until decision made and resources provided to further develop and validate cycling analysis methodologies.		