

**CAP Category: Uncertainty Reduction Studies**

**BASELINE ACTIVITY: CB-17(3) – Measures to Assess Wet Season Tributary Loading and Loading Uncertainty**

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

**Linkage to Copper Reduction:** Improved estimates of loadings may improve understanding of impacts on water column concentrations

**Performance Measure(s):** Development of methodologies to reliably and cost-effectively collect accurate flow and concentration data

<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>		
SCVURPPP	BASMAA/BPP	Continue tracking results from BPP Prop. 13 ambient water quality monitoring and modeling (USEPA BASINS and SFO models) of loading from Castro Valley Creek watershed (see NB-7). Results will be sealed up to provide Bay-wide runoff loading estimates.		
SCVURPPP	CEP/RMP	Continue tracking progress of CEP studies and RMP Sources Pathways and Loadings Workgroup projects involving improving loading estimates (e.g., Hg/PCB TMDLs, sediment loading, etc.). See description under CB-10/NB-2.		
SCVURPPP	RWQCB	Continue tracking results from RWQCB Surface Water Ambient Monitoring Program (SWAMP) for potential utility in developing improved loading estimates		

Lead Party	Report/Source	Actions	Effectiveness Evaluation	Future Actions
RMP reporting to SCVURPPP	Semi-annually	Include in bay-wide research tracking effort being implemented by SFEI/RMP (see description under CB-17(1)).		
<b>FY 2003-2004</b>		<b>Actions Accomplished in Period</b>		
CEP	CEP	Report prepared entitled <i>Draft Copper Sources in Urban Runoff</i> (dated March 19, 2004) which identifies potential copper and nickel sources and loadings in stormwater and from marine anti-fouling coatings. .	Results to be used in Bay-wide CAP development.	Scheduled for completion in late 2004.
SCVURPPP		Measured water and sediment samples (for copper and other contaminants) in the San Thomas Aquino, Adobe Creek and Guadalupe River Watersheds (at two to five locations with each watershed) during two to three varying season events. (see CB-8 and CB-10)		Conducted as part of the Program's Multi-Year Receiving Waters Monitoring Plan.
SCVURPPP	BASMAA/BPP	BPP Prop. 13 ambient water quality monitoring and modeling (USEPA BASINS and SFO models) of loading from Castro Valley Creek watershed was initiated.		
SCVURPPP	RMP	Continued RMP/CEP funding and tracked results from second year of RMP Guadalupe River continuous sediment monitoring (small tributary) pilot project (CEP 4.07). Mallard Island Interim Report was released.		

Lead Party	Report/Source	Actions	Effectiveness Evaluation	Future Actions
SCVURPPP	CEP/RMP	Tracked progress of CEP and RMP Sources Pathways and Loadings Workgroup projects involving improving loading estimates (e.g., Stormwater Literature Review project, Hg/PCB TMDLs). Draft reports were released by SFEI/RMP.		
SCVURPPP	RWQCB	Tracked results from RWQCB Surface Water Ambient Monitoring Program (SWAMP) for potential utility in developing improved loading estimates		
SCVURPPP with transition to RMP reporting annually to SCVURPPP		SFEI/RMP began development of web-based copper "uncertainty studies" research tracking project (see description under CB-17(1))		
<b>FY 2003-2004</b>		<b>PROPOSED WORKPLAN ACTIONS</b>		
SCVURPPP		Measure water and sediment samples (for copper and other contaminants) in the San Thomas Aquino, Adobe Creek and Guadalupe River Watersheds (at two to five locations with each watershed) during two to three varying season events. (see CB-8 and CB-10)		Part of Program's Multi-Year Receiving Waters Monitoring Plan
SCVURPPP	BASMAA/BPP	Track results from BPP Prop. 13 ambient water quality monitoring and modeling (USEPA BASINS and SFO models) of loading from Castro Valley Creek watershed.		

Lead Party	Report/Source	Actions	Effectiveness Evaluation	Future Actions
SCVURPPP	RMP	Support continued RMP funding for and track results from second year of RMP Guadalupe River continuous sediment monitoring (small tributary) pilot project (CEP 4.7). Results of study will help determine feasibility and	Depends on availability of methodologies and if available, the cost of obtaining such information vs. the expected improvements in loading estimates	
SCVURPPP	CEP/RMP	Track progress of CEP and RMP Sources Pathways and Loadings Workgroup projects involving improving loading estimates (e.g., Stormwater Literature Review project, Hg/PCB TMDLs).		
SCVURPPP	RWQCB	Track results from RWQCB Surface Water Ambient Monitoring Program (SWAMP) for potential utility in developing improved loading estimates		
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))		