

Table 1
Summary of Recommended Options from the Redesign Meetings
Existing Elements

Element	Existing Option		Recommended Option		Comments	Rationale
	No. of Sites	Cost/yr	No. of Sites	Cost/yr		
Water Chemistry	31	\$450,000	22 (annual)	\$320,000	Includes savings realized by reducing number of sites as well as conducting PCBs, PAHs, and pesticides biennially. PBDEs and metals will be analyzed annually. Savings: \$130,000	Regulatory shift away from water. Previous number of stations driven by Cu objective which has been revised since then. Many of compounds hydrophobic – little information gained from water column. Data needed every two years for listings and NPDES permits. May need a winter sampling component for permits.
Sediment Chemistry	47	\$190,000	47 in summer, 14 in winter	\$135,000	Recommended sampling annually but alternating between wet and dry seasons. Savings: \$55,000	No current regulation; however, need for sediment chemistry information across the Bay (random design). Concern about winter toxicity. Proposed alternating seasons.
Causes of Toxicity	Variable	\$140,000	Biennial	\$70,000	Recommend biennial frequency. Savings: \$70,000	Need to understand the causes of toxicity in the Bay.
Bivalves	11	\$100,000	11 (biennial)	\$50,000	Recommend conducting biennially. Savings: \$50,000	Best trend indicator. Current data set very powerful for detecting trends.

Table 1
Summary of Recommended Options from the Redesign Meetings
Existing Elements

Element	Existing Option		Recommended Option		Comments	Rationale
	No. of Sites	Cost/yr	No. of Sites	Cost/yr		
Sediment Toxicity	27	\$100,000	14 (annual)	\$85,000	Recommended reducing sites from 27 to 14. Savings: \$15,000	Strong interest in determining causes of toxicity. Toxicity signal is stronger in winter.
Sportfish	5	\$83,000	5 (triennially)	\$85,000	Stay with status quo.	Valuable measures for assessing impacts to biota.
USGS Hydrography Studies	36	\$110,000	36 (monthly)	\$110,000	Stay with status quo.	Valuable measure for understanding Bay processes and changes in the foodweb.
			Total Savings		\$320,000	

Table 2
Summary of Recommended Options from the Redesign Meetings
New Elements to Add

Element	Sites	Frequency	Season	Cost/yr	Comment	Rationale
Sediment cores	10	Biennial	Summer	\$50,000		Information on contaminant profile with depth can reduce uncertainty associated with future loads and modeling
Winter water sampling	10	Biennial	Winter	\$85,000	2 sites per segment including 3 historic CTR sites (BA30; BC10; BG20)	Winter sampling provides an understanding wet weather variation and is used for development of NPDES permits.
Benthos	TBD	Biennial	Fall	\$50,000	Coordinate with DWR and SCCWRP	At present, SCCWRP is conducting a benthic sampling project in north bay
Small Fish	8	Annual	Summer	\$40,000 to \$60,000	Start in 2009 after review of four years of pilot data	Provides a means for understand bioavailability of contaminants and the impacts of management actions (wetland restoration) on biota
Bird Eggs	3 for cormorants, TBD for terns	Triennial		\$40,000	Decision needed regarding whether to include terns and cormorants	Provides a means for understand bioavailability of contaminants and the impacts of management actions (wetland restoration) on biota

**Table 2
Summary of Recommended Options from the Redesign Meetings
New Elements to Add**

Element	Sites	Frequency	Season	Cost/yr	Comment	Rationale
Large Tributary Loads	1	Triennial	Winter	\$47,000		Information on loads assists in the development of TMDLs and models. It also assists in understanding the efficacy of management practices.
Guadalupe Loading	1	Triennial	Winter	\$28,000		Information on loads assists in the development of TMDLs and models. It also assists in understanding the efficacy of management practices.
Small Tributary Loading	1	Annual	Winter	\$150,000	Rotating through Bay Area watersheds to quantify loads.	Information on loads assists in the development of TMDLs and models. It also assists in understanding the efficacy of management practices.