

Table 1. RMP - Toxicity Workgroup Five Year Recommendations

note: a 2% cost increase is estimated for future years

	yr-1 2006	yr-2 2007	yr-3 2008	yr-4 2009	yr-5 2010	yr-6 2011
S&T in Estuary (no reduction to current program; ADD winter sampling back to program; focus the sediment-TIE work)						
Aquatic Tox Monitoring: every five years (unless toxicity is present)	subset of random sample water sites monitored	< Investigate increased sensitivity using new endpoints or use of more sensitive species or use of biomarkers for sublethal endpoints				subset of random sample water sites monitored
	11,000					
Sediment Tox Monitoring: annually in dry season.	subset of random sample sediment sites + seven Historic sites monitored (total = 27)	subset of random sample sediment sites + seven Historic sites monitored (total = 27)	subset of random sample sediment sites + seven Historic sites monitored (total = 27)	subset of random sample sediment sites + seven Historic sites monitored (total = 27)	subset of random sample sediment sites + seven Historic sites monitored (total = 27)	subset of random sample sediment sites + seven Historic sites monitored (total = 27)
	63,000	64,260	65,545	66,856	68,193	
Focus the Sediment TIE work that is currently a part of the S&T	Use Sed-TIE funds (and possible additional funds from other authorized RMP toxicity funding) to focus on one very toxic site found in Feb-2006		Investigate other very toxic sites around the Estuary to see if the same kinds of contaminants are causing the observed toxicity as found in the two-yr focused study.			
	12,000	12,240	12,485	12,734	12,989	
ADD a Winter Sediment Toxicity sampling component back to the S&T program (sediments tend to be more toxic in the winter time)	subset of random sample sediment sites + some Historic sites monitored (total = ?)	subset of random sample sediment sites + some Historic sites monitored (total = ?)	subset of random sample sediment sites + some Historic sites monitored (total = ?)	subset of random sample sediment sites + some Historic sites monitored (total = ?)	subset of random sample sediment sites + some Historic sites monitored (total = ?)	subset of random sample sediment sites + some Historic sites monitored (total = ?)
	?	?	?	?	?	?
S&T Episodic Toxicity in the tributary mouths (reduce number of events and tributaries to provide focused study that includes sediment toxicity and chemical analyses in current p						
Focus on two tributaries. Sample water and sediment twice: capture first winter run-off (Nov.) and spring agriculture/urban pesticide applications (April). Initial sampling per seasonal event to include: water/sediment toxicity; water/sediment quality measures; archive additional sediment sample for possible chemistry analyses if samples are toxic. > If samples are toxic >> re-sample to investigate duration and perform follow-up chemistry analyses > If samples are really toxic >> re-sample for TIE as well as above duration and chemistry analyses						
	142,500	145,350	148,257	151,222	154,247	
EEPS Benthic gradient study (coordinate with the Episodic Toxicity study)						
Benthic community study of a contaminant gradient (in Estuary or in a laboratory mesocosm study). Includes sediment toxicity and TIE work .. (project plan in development)						
	40,000	40,000	40,000	?	?	