

Table 1: Summary of Proposals for RMP Special Studies in 2020

Workgroup	Study Name	PI / Agency	Funding Request	Ranking	Time sensitive	Multi-year study	Multi-workgroup study	Notes
Emerging Contaminants	Emerging Contaminants Strategy	Sutton / SFEI	\$75,000	1	Y	N	N	Added \$10k to include toxicology strategy and conceptual models.
Emerging Contaminants	CECs in Urban Stormwater	Sutton / SFEI	\$178,000	2	Y	Y	Y	Year 2 of 3; piggybacks on stormwater reconnaissance sampling
Emerging Contaminants	Bisphenols in effluent and sediment	Shimabuku / SFEI	\$48,000	3a	N	N	N	Redirected funds towards analysis for LSB margins sediment and WWTP effluent. Collecting Bay-wide WWTP effluent along with sunscreens.
Emerging Contaminants	Sunscreens in Bay Area Wastewater Effluent	Lin / SFEI	\$40,000	3b	N	N	N	Add-on to the bisphenols study (3a)
Emerging Contaminants	Characterization of Pharmaceutical Contamination in Lower South Bay Water, Margin Sediment, and Wastewater	Lin / SFEI	\$100,000	4	N	N	N	
Emerging Contaminants	Toxicology project	Sutton / SFEI	-	-				Next steps for a specific project will be identified after possible SC funding for 2019 strategy and toxicology webinar. For 2020, propose a project to the SC using money from the reserve fund.
	Total		\$441,000					
	Planning Budget (from MYP)		\$465,000					
	AMR Funds Available		\$270,000					
Microplastic	Microplastic Strategy	Sedlak / SFEI	\$15,000	1	Y	N	N	
Microplastic	Conceptual model for stormwater microplastics pathway to the Bay	Gilbreath / SFEI	\$30,000	2	N	Y	Y	Year 1 of 2-year study; could inform sampling and model development for SPLWG
Microplastic	Microplastics in sport fish (analysis only)	Sedlak / SFEI	\$57,000	3	N	Y	N	Samples being collected and archived in 2019. Analysis in year 1, data in year 2
	Total		\$102,000					
	Planning Budget (from MYP)		\$115,000					
Nutrients	High-Frequency Moored Sensor Network	Senn / SFEI	\$355,000	1	Y	Y	N	
Nutrients	Ship-based monitoring with USGS	Senn / SFEI	\$165,000	2	Y	Y	N	
	Total		\$520,000					
	Planning Budget (from MYP)		\$400,000					
PCBs	PCB Strategy Coordination and Technical Support	SFEI	\$10,000	1	Y	N	N	
PCBs	Priority Margin Unit PCB Monitoring with passive samplers in Steinberger Slough	SFEI	\$91,000	2	Y	Y	N	Year 1 of 2-year study
	Total		\$101,000					
	Planning Budget (from MYP)		\$120,000					
Sediment	Sediment workgroup support and planning	Dusterhoff / SFEI	\$10,000	1	Y	N	N	
Sediment	Update of Erosion and Deposition in San Francisco Bay	USGS	\$77,000	2	Y	Y	N	Year 2 of 2-year study
Sediment	Golden Gate Sediment Flux Modeling Study	McWilliams / Anchor QEA	\$45,000	3	N	N	N	
Sediment	Sediment bioaccumulation threshold review for PCBs	Shimabuku / SFEI	\$22,500	4	N	N	N	
Sediment	Integrated monitoring and modeling strategy	Lowe / SFEI	\$26,000	5	Y	Y	Y	Coordinated with Wetland RMP, SPLWG model development & Nutrients model development
Sediment	Sediment bioaccumulation model update	Lin / SFEI	\$25,500	6	N	N	N	
	Total		\$206,000					
	Planning Budget (from MYP)		\$260,000					
Selenium	Selenium Strategy Coordination & Technical Support	SFEI	\$10,000	1	Y	N	N	
Selenium	Selenium in North Bay clams and water	SFEI	\$73,160	2	Y	Y	N	
	Total		\$83,160					
	Planning Budget (from MYP)		\$120,000					
Sources Pathways and Loading	Workgroup coordination and strategy	Wu / SFEI	\$40,000	1	Y	N	N	
Sources Pathways and Loading	POC watershed reconnaissance stormwater sampling	Gilbreath / SFEI	\$110,000	2	N	Y	Y	CECs stormwater sampling piggybacked onto this sampling.

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Sources Pathways and Loading	Regional model development to support management decisions	Wu / SFEI	\$100,000	3	Y	Y	Y	Sediment modeling will help inform Sediment WG model for the Bay.
Sources Pathways and Loading	Advanced data analysis	McKee / SFEI	\$50,000	4	N	Y	N	
Sources Pathways and Loading	Stormwater monitoring and trends monitoring to support the model	McKee / SFEI	\$56,000	5	Y	Y	Y	Piggybacks on the stormwater SEP project for years 2020 and 2021.
	Total		\$356,000					
	Planning Budget (from MYP)		\$400,000					

Total Funding Request	\$1,809,160
Core RMP Funds Available for Special Studies	\$1,010,623
AMR Funds Available for Emerging Contaminants Special Studies	\$270,000
Total Funds Available for Special Studies	\$1,280,623
Funding Shortfall	\$528,537