

SCECAP 2005 -- Open Water
Sediment characteristics, contaminants, and toxicity

Station	Characteristics			Contaminants				Toxicity				
	Percent	TOC	TAN	ERMQ	Metals*	PAHs*	Pest*	PCBS*	Microtox® Assay		Seed Clam Assay	
	Silt/Clay	% of Total	(mg/l)						EC ₅₀	Toxic	Mean	Toxic
RO056091	96.0	5.3	11.7	0.037	2				0.1	†	8.4	†
RO056092	14.4	0.5	1.2	0.039					0.2	†	5.8	
RO056093	4.5	0.21	1.6	0.007					0.5	†	20.9	
RO056094	15.2	0.7		0.013					0.3	†	9.1	
RO056095	8.7	0.2	1.4	0.010					1.4		16.5	
RO056096	33.5	1.1	1.8	0.012					0.2		9.2	
RO056097	3.1	0.1	0.3	0.011					13.4		11.2	
RO056098	8.1	0.2		0.007					0.1	†	-10.8	†
RO056099	75.9	2.5	3.7	0.034	1		1		0.1	†	18.2	
RO056100	69.7	3.1		0.031	1				0.0	†	4.9	
RO056101	4.3	0.4	1.9	0.012					2.4		8.1	
RO056102	4.7	0.1	0.8	0.005					2.1		4.7	†
RO056103	11.2	0.4	0.7	0.015					0.4	†	9.0	
RO056104	3.8	0.1	1.1	0.009					1.0		17.5	
RO056105	5.5	0.2	1.2	0.010					2.8		8.0	†
RO056106	11.5	0.2	1.9	0.009					0.3	†	14.2	
RO056107	23.2	0.6	2.5	0.012					0.1	†	13.2	
RO056108	1.4	0.0		0.004					5.1		16.3	
RO056109	16.9	0.3	1.6	0.010					0.8		11.2	
RO056110	2.2	0.1		0.003					15.7		3.3	
RO056111	5.8	0.2		0.006					2.7		5.1	
RO056112	7.5	0.3	0.9	0.013					1.1		9.8	
RO056113	4.3	0.1	0.5	0.004					8.4		21.7	
RO056114	7.8	0.5		0.010					0.2	†	3.0	
RO056115	2.2	0.1	0.3	0.004					16.4		22.3	
Mean	17.7	0.7	1.9	0.013					3.0		10.4	

† = Toxic: Microtox, EC50 <0.5 if silt-clay < 20% , <0.2 if silt-clay > 20% (Ringwood et al., 1997, criterion #6); Seed Clam Assay, if mean clam growth is < 80% of mean clam control growth AND significantly different from mean clam control growth

█ Values exceed threshold representing moderate risk of benthic impacts (Hyland et al., 1999)

█ Values exceed threshold representing high risk of benthic impacts (Hyland et al., 1999)

* Number of analytes that exceed Effects Range Low (ER-L) guidelines (Long et al., 1995)