

SCECAP 2006 -- 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
RO06301	2.4	0.1	0.5	0.009					15.9		34.2	
RO06302	2.0	0.0	0.2	0.006					15.8		28.4	
RO06303	5.2	0.115	0.9	0.005					8.6		32.4	
RO06304	3.5	0.1	0.9	0.011					1.2		45.6	
RO06305	3.3	0.1	0.5	0.004					3.4		26.8	
RO06306	1.9	0.1	0.6	0.007					15.9		44.4	
RO06308	82.1	5.2	12.0	0.060	2	2			0.0	†	38.6	
RO06309	3.0	0.2	0.8	0.009					15.7		28.5	
RO06310	10.5	0.4	1.5	0.007					1.0		46.1	
RO06311	0.2	0.0	0.1	0.004					16.9		32.3	
RO06312	32.6	1.0	2.2	0.021	1				0.2		30.0	
RO06313	13.3	0.3	1.6	0.013					0.4	†	26.4	
RO06314	8.2	0.3	1.4	0.012					1.2		22.4	
RO06315	43.3	1.5	3.0	0.016					0.1	†	35.4	
RO06317	23.9	0.2	1.5	0.014					0.4		34.0	
RO06318	1.5	0.0		0.006					17.1		30.7	
RO06319	8.5	0.2	4.5	0.005					0.4	†	31.5	
RO06320	15.4	0.6	1.5	0.109		9			0.3	†	52.1	
RO06321	2.0	0.0	0.4	0.006					17.4		32.2	
RO06322	3.6	0.1	1.3	0.008					1.6		43.5	
RO06323	10.6	0.3	0.9	0.006					3.7		29.3	
RO06324	7.4	0.2	1.0	0.015					2.2		44.1	
RO06325	50.3	2.5	4.5	0.023					1.0		28.5	
RO06326	22.0	0.8	2.3	0.011					0.3		26.9	
RO06327	91.5	4.9	6.0	0.045	3				0.7		21.4	
Mean	17.9	0.8	2.1	0.017					5.7		33.8	

† = 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)