

**SCECAP 2007 -- Open Water
Sediment characteristics, contaminants, and toxicity**

Station	Characteristics			Contaminants				Toxicity				
	Percent Silt/Clay	TOC % of Total	TAN (mg/l)	ERMQ	Metals*	PAHs*	Pest*	PCBs*	Microtox® Assay		Seed Clam Assay	
									EC ₅₀ Percent	Toxic	Mean Growth	Toxic
RO07328	19.5	0.5	2.3	0.011					0.0	†	32.4	
RO07329	15.1	0.3	1.6	0.010					0.2	†	38.2	
RO07330	24.2	0.285	0.5	0.011					1.0		30.9	
RO07331	10.8	0.5	1.1	0.010					0.8		12.8	†
RO07332	4.5	0.1	0.8	0.004					16.2		39.5	
RO07333	1.7	0.1	1.3	0.003					16.7		32.7	
RO07334	22.5	0.4	1.8	0.008					1.0		37.4	
RO07335	7.7	0.2	1.8	0.007					0.5	†	33.7	
RO07336	40.5	1.3	1.6	0.023	1				0.3		48.5	
RO07337	12.0	0.1	0.9	0.007					2.6		41.0	
RO07338	0.7	0.1	1.7	0.020					2.0		34.9	
RO07339	91.5	5.2	6.7	0.035	2				0.0	†	35.8	
RO07340	73.4	2.6	1.5	0.030	1				0.1	†	39.6	
RO07341	10.9	0.1	0.9	0.005					8.1		37.3	
RO07342	5.6	0.2	0.8	0.005					2.8		31.5	
Mean	22.7	0.8	1.7	0.013					3.5		35.1	

† = 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)