

**SCECAP 2008 -- 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 <sub>50</sub> Percent	Toxic	Mean Growth	Toxic
RO08343	5.0	0.2		0.006					1.3		12.1	
RO08344	10.3	0.5	2.6	0.010					0.8		10.6	
RO08346	16.1	0.345	1.1	0.011					0.4	†	42.4	
RO08347	3.0	0.0	0.2	0.005					16.1		8.8	
RO08348	93.4	4.9	15.3	0.042	2				0.1	†	11.2	†
RO08349	25.9	0.5	0.9	0.014					0.4		44.5	
RO08350	11.8	0.3	2.8	0.007					0.6		28.9	†
RO08351	7.0	0.3	1.7	0.012					1.8		11.6	
RO08352	54.3	1.8	12.0	0.020					0.7		2.8	
RO08353	3.8	0.3	2.6	0.017	1				7.0		50.8	
RO08354	12.4	0.4	1.0	0.009					1.6		50.4	
RO08355	6.6	0.2	1.8	0.006					1.1		10.2	
RO08356	4.7	0.0	3.1	0.025	1				0.1	†	21.1	
RO08357	3.4	0.0	1.2	0.003					1.9		57.2	
RO08358	23.3	0.6	1.8	0.016					0.4		41.2	
<b>Mean</b>	<b>18.7</b>	<b>0.7</b>	<b>3.4</b>	<b>0.014</b>					<b>2.3</b>		<b>26.9</b>	

† = 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)