

**SCECAP 1999 -- 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
RO99301	7.7	0.2	1.3	0.007				0.9		*		
RO99302	96.8	6.6		0.037	1			0.3		NA		
RO99303	10.9	0.2	1.7	0.006				0.7		31.2		
RO99304	12.4	0.4	2.3	0.004				0.7		20.1		
RO99305	3.6	0.1	3.6	0.003				1.3		20.9		
RO99306	2.6	0.1	5.8	0.005				15.9		2.8	†	
RO99307	2.3	0.1	0.6	0.004				0.5	†	*		
RO99308	93.2	0.2	1.3	0.011				0.3		39.9		
RO99309	11.7	0.3	1.8	0.009				0.4	†	32.3		
RO99310	9.3	0.1	1.3	0.006				1.9		30.7		
RO99311	0.9	0.0		0.005				15.4		*		
RO99312	25.8	1.4	4.8	0.017				0.1	†	*		
RO99313	19.0	0.7	7.0	0.008				0.1	†	25.8		
RO99315	1.5	0.0	1.8	0.002				15.0		40.4		
RO99316	95.4	5.5	6.0	0.040	1			0.0	†	2.6	†	
RO99317	5.5	0.1	0.4	0.005				4.7		*		
RO99318	4.6	0.1	2.4	0.006				6.2		45.7		
RO99319	16.1	0.6	2.0	0.012				0.4	†	35.8		
RO99320	11.2	0.3	3.4	0.013	1			0.3	†	26.8		
RO99321	63.9	2.8	0.8	0.024	1			0.6		5.6	†	
RO99322	23.0	1.0	3.7	0.042				0.1	†	*		
RO99323	10.9	0.3	3.1	0.012	1			0.5	†	44.0		
RO99324	30.0	0.9	4.8	0.032				0.1	†	27.7		
RO99325	8.4	0.1	2.7	0.007				0.7		35.2		
RO99326	34.8	1.0	1.0	0.016				1.2		34.6		
RO99327	6.6	0.3	2.1	0.008				3.1		NA		
RO99328	22.8	0.9	0.5	0.011				1.0		33.5		
RO99329	5.0	0.1	3.8	0.008				2.3		37.7		
RO99330	11.4	0.2	3.4	0.008				0.3	†	25.0		
<b>Mean</b>	<b>22.3</b>	<b>0.9</b>	<b>2.7</b>	<b>0.013</b>				<b>2.6</b>		<b>28.5</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

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

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