

**SCECAP 2001 -- 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
RO01108	73.3	2.0	3.4	0.037	2				0.0	†	28.9	†
RO01109	4.8	0.2	0.0	0.008					8.6		63.7	
RO01110	6.7	0.11	2.4	0.007					0.2	†	30.7	
RO01111	2.1	0.1	1.7	0.011	1				16.4		51.0	
RO01112	9.7	0.1	0.9	0.005					2.0		72.0	
RO01113	59.9	3.3	21.6	0.034	1				0.0	†	27.1	†
RO01114	1.7	0.1	1.5	0.000					5.4		14.6	†
RO01115	4.8	0.1	1.8	0.005					1.3		34.7	
RO01116	2.8	0.0	0.1	0.000					16.4		36.3	
RO01117	15.2	0.4	1.2	0.010					1.4		74.1	
RO01121	78.1	7.8	1.2	0.038	2				0.8		3.7	†
RO01122	25.7	0.8	3.6	0.012					0.1	†	18.0	†
RO01123	4.5	0.1	2.6	0.001					0.5	†	29.2	†
RO01124	13.7	0.4	2.0	0.009					0.5	†	32.7	†
RO01125	62.8	2.0	2.7	0.031	1				0.0	†	66.4	
RO01129	23.4	0.6	2.6	0.014					0.3		80.7	
RO01130	49.9	1.5	0.6	0.028	1				15.5		62.7	
RO01131	70.0	3.6	3.0	0.032	1				0.4		30.6	†
RO01132	29.7	0.8	4.3	0.014					0.1	†	30.4	†
RO01133	20.4	0.4	1.7	0.013					1.2		29.5	†
RO01144	1.5	0.0	0.3	0.001					15.3		37.9	
RO01145	3.0	0.2	0.6	0.008	1				2.4		38.8	
RO01146	16.0	0.3	2.9	0.011					1.4		73.7	
RO01147	20.8	0.5	2.6	0.009					0.1	†	19.8	†
RO01148	35.8	1.0	1.7	0.016					0.4		40.7	
RO01161	9.4	0.6	2.4	0.008					0.4	†	3.7	†
RO01162	9.6	0.3	1.8	0.006					2.4		34.2	
RO01163	3.1	0.1	0.4	0.006					15.8		27.1	
RO01164	22.0	0.5	1.3	0.011					0.8		30.0	†
RO01165	9.2	0.2	1.6	0.010					2.4		71.0	
NO01098	82.9	2.7	2.8	0.347	8**	2			0.1	†	48.5	†
NO01099	98.7	5.9	16.1	0.049	2				0.0	†	18.5	†
<b>Mean</b>	<b>23.0</b>	<b>0.9</b>	<b>2.5</b>	<b>0.013</b>					<b>3.8</b>		<b>39.8</b>	

Only random stations (RO or RT) are included in the means.

† = 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)

\*\* Two of these analytes (copper and zinc) exceeded Effects Range Median (ER-M) guidelines (Long et al., 1995)