

**SCECAP 2003 -- 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
RO036031	1.8	0.1	0.2	0.004					16.1		31.5	
RO036032	13.3	0.3	5.9	0.011					0.5		17.0	†
RO036033	3.6	0.075	1.4	0.005					0.4	†	46.9	
RO036034	4.0	0.1	0.6	0.004					16.5		48.3	
RO036035	18.0	0.8	2.2	0.015					0.2	†	40.3	
RO036036	10.5	3.6	3.6	0.006					0.2	†	47.7	
RO036037	6.8	0.4	1.0	0.020					0.7		52.6	
RO036038	4.7	0.1	0.8	0.008					3.9		37.0	
RO036039	9.6	0.8	1.9	0.010					0.5	†	35.9	
RO036040	37.1	2.8	1.7	0.021					0.2	†	37.0	
RO036041	3.6	0.1	1.2	0.004					12.2		35.4	
RO036042	69.7	3.6	8.5	0.076	1	3			0.0	†	46.1	
RO036043	12.3	0.5	2.8	0.009					0.1	†	28.0	
RO036044	35.7	1.1	1.4	0.030	1		1		0.2	†	45.3	
RO036046	24.9	0.9	6.2	0.015					0.4		36.5	
RO036047	2.0	0.1	1.0	0.006					2.1		49.1	
RO036048	44.4	1.3	3.7	0.049	1	1			0.0	†	55.5	
RO036049	2.3	0.0	0.2	0.001					16.0		49.6	
RO036050	13.4	0.4	1.0	0.012					0.4	†	48.8	
RO036052	36.2	1.7	9.5	0.023					0.0	†	29.5	
RO036053	40.8	1.2	15.5	0.020					0.0	†	22.4	
RO036054	29.7	0.9	14.8	0.019					0.1	†	-0.5	†
RO036055	1.5	0.0	0.8	0.004					16.7		43.5	
RO036056	18.1	0.5	1.6	0.010					0.4	†	35.4	
RO036057	3.2	0.0	0.6	0.006					16.6		32.0	
RO036058	1.4	0.1	1.2	0.008					16.8		32.0	
RO036059	0.7	0.1	1.4	0.007					0.7		47.7	
RO036060	3.5	0.1	2.4	0.003					10.7		27.5	
RO036152	7.6	0.1	2.5	0.023	1				0.7		44.0	
RO036153	2.5	0.2	1.1	0.006					2.1		32.8	
Mean	15.4	0.7	3.2	0.014					4.5		37.8	

† = 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)