

SCECAP 2002 -- 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
RO026001	4.1	0.1	0.8	0.004					4.4		20.1	
RO026002	27.1	0.5	1.7	0.007					0.4		42.7	
RO026003	12.3	0.4	4.9	0.009					0.2	†	46.6	
RO026004	9.0	0.4	1.9	0.006					6.3		58.1	
RO026005	9.0	0.4	5.3	0.005					4.6		4.3	†
RO026006	4.9	0.2	2.8	0.003					0.4	†	11.1	†
RO026007	7.2	0.4	3.5	0.007					2.3		9.9	†
RO026008	38.8	1.7	5.3	0.024	1				0.4		51.6	
RO026009	5.5	0.2	3.6	0.011					1.0		36.8	
RO026010	85.3	4.8	13.8	0.097	3				0.0	†	34.5	†
RO026011	14.3	0.3	1.8	0.007					0.4	†	34.2	
RO026012	4.3	0.4	1.8	0.003					0.6		43.4	†
RO026013	37.3	1.8	5.2	0.031	1				0.2	†	23.9	
RO026014	6.6	0.3	3.9	0.008					0.5	†	21.2	†
RO026016	9.4	0.3	1.7	0.023					0.3	†	52.2	†
RO026017	4.9	0.1	2.2	0.004					3.5		52.8	
RO026018	2.3	0.0	0.3	0.003					17.3		60.3	
RO026019	1.5	0.1		0.001					16.4		34.0	†
RO026020	13.3	0.4	2.3	0.010					0.8		43.4	
RO026021	79.0	2.6	8.7	0.028	1				0.0	†	60.9	
RO026022	7.3	0.2	5.1	0.002					0.2	†	46.8	
RO026023	12.2	0.3	3.3	0.004					0.3	†	61.6	
RO026024	4.9	0.2	1.7	0.002					1.0		52.4	
RO026025	7.3	0.2	0.7	0.005					3.1		21.6	
RO026026	5.2	0.2	1.0	0.006					2.0		56.9	
RO026027	8.2	0.2	1.3	0.005					5.6		21.3	
RO026028	11.6	0.9	4.7	0.030					0.4	†	43.0	
RO026029	85.4	4.2	10.8	0.040	2		1		0.0	†	-12.4	†
RO026030	94.5	3.2	5.0	0.122	6	2			0.0	†	56.9	
RO026151	1.9	0.1	0.6	0.003					17.0		45.9	
RO026290	67.5	2.6	1.5	0.055	1	1			0.4		32.3	
NO026302	2.7	0.3	2.4	0.006					0.4	†	20.5	†
Mean	22.0	0.9	3.6	0.018					2.9		37.7	

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).