

SCECAP 2000 -- 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		Amphipod Assay		Seed Clam Assay	
									EC ₅₀ Percent	Toxic	Survival Percent	Toxic	Growth Mean	Toxic
RO00006	10.2	0.6	12.3	0.003					0.1	†	96		32.3	†
RO00007	0.7	0.2	0.0	0.001					15.7		83		18.9	
RO00008	9.7	0.2	1.9	0.004					0.2	†	92		30.1	
RO00009	26.0	0.8	3.4	0.013					0.1	†	96		28.0	
RO00010	6.5	0.1	2.1	0.006					2.7		93		25.6	
RO00015	29.8	2.2	1.9	0.017					0.0	†	89		2.4	†
RO00016	24.5	1.1	1.9	0.008					0.7		87		35.9	
RO00017	4.4	0.1	0.5	0.002					8.1		89		25.9	
RO00018	4.8	0.1	0.0	0.001					0.9		85		29.8	
RO00019	26.7	0.7	2.0	0.033		1			0.5		91		41.2	†
RO00020	20.6	0.9	3.0	0.009					0.0	†	98		10.5	†
RO00021	16.5	0.7	1.6	0.005					0.2	†	88		35.1	†
RO00022	2.2	0.6	7.3	0.007					0.1	†	97		39.6	
RO00023	16.3	0.8	1.7	0.014	1				0.9		85		28.7	
RO00024	10.4	0.2	1.7	0.001					1.5		86		29.5	
RO00033	12.1	0.4	1.4	0.008					0.9		93		28.6	
RO00034	37.4	1.8	4.1	0.021	1				0.0	†	97		-22.0	†
RO00035	11.3	0.6	1.9	0.013					0.8		91		40.4	
RO00036	5.5	0.3	1.5	0.017	1				4.5		82		20.0	
RO00037	1.3	0.1	0.3	0.004					11.2		92		40.7	
RO00045	6.0	0.1	0.8	0.003					0.9		91		26.6	
RO00046	2.8	0.1	1.0	0.001					13.2		91		42.2	
RO00047	27.4	0.8	3.1	0.010					1.0		90		19.1	
RO00048	13.2	0.4	3.0	0.009					0.5	†	89		33.5	
RO00049	3.2	0.1	1.9	0.002					15.2		95		27.7	
RO00055	1.8	0.1	2.3	0.001					15.4		89		49.4	
RO00056	98.5	4.3	19.3	0.163	3	8			0.0	†	87		15.3	†
RO00057	7.5	0.2	1.2	0.005					0.3	†	90		51.4	
RO00058	5.3	0.2	1.6	0.008					3.7		92		27.6	
RO00059	11.9	0.3	2.6	0.005					0.5	†	93		36.3	†
Mean	15.1	0.6	2.9	0.013					3.3		90.57		28.3	

† = 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).