SCECAP 2004 -- Open Water
Sediment characteristics, contaminants, and toxicity

	Characteristics			Contaminants					Toxicity			
									Microtox® Assay		*Seed Clam Assay*	
Station	Percent Silt/Clay	TOC % of Total	TAN (mg/l)	ERMQ	Metals*	PAHs*	Pest*	PCBs*	EC_{50} Percent	Toxic	Mean Growth	Toxic
RO046061	58.2	2.1	12.0	0.030	1				0.0	†	-4.2	†
RO046062	78.2	4.3	14.5	0.041	1				0.0	†	14.2	
RO046063	1.3	0.035		0.004					9.7		40.3	
RO046064	59.9	2.9	6.0	0.026	2				0.0	†	4.4	†
RO046065	2.0	0.2	1.0	0.007					0.5		28.0	
RO046066	9.0	0.3	1.6	0.012					0.3	†	12.6	†
RO046067	11.0	0.3	1.8	0.009					0.4	†	19.5	
RO046068	17.5	0.4	2.4	0.012					0.2	†	24.3	
RO046069	9.6	0.2	4.0	0.005					1.2		23.0	
RO046070	15.0	0.7	2.3	0.012					1.4		30.9	
RO046071	32.3	1.8	7.9	0.025		1			0.1	†	17.3	
RO046072	26.8	0.9	2.7	0.017					0.1	†	19.8	
RO046073	47.1	0.2	1.1	0.026	1				0.6		20.6	
RO046074	40.5	1.1	3.0	0.018					0.2	†	23.8	
RO046075	3.9	0.2	1.5	0.009					3.5		43.1	
RO046076	94.7	5.5	30.5	0.041	2				0.1	†	-2.9	
RO046077	7.3	0.1	2.7	0.108		2			2.9		21.1	
RO046078	71.3	1.6	4.3	0.038	2				0.1	†	22.4	
RO046079	12.1	0.2	2.6	0.008					0.2	†	25.2	
RO046080	18.4	0.4	1.5	0.007					0.3	†	36.5	
RO046081	4.7	0.1	0.2	0.003					1.5		29.0	
RO046082	4.6	0.0	0.8	0.005					12.0		17.8	†
RO046083	1.3	0.0	0.3	0.004					13.3		23.3	
RO046084	28.3	1.3	3.2	0.023					0.1	†	37.8	
RO046085	10.2	0.3	4.1	0.012					1.2		23.0	
RO046086	3.4	0.1	0.8	0.007					2.2		30.4	
RO046087	15.8	0.3	2.2	0.013					0.1	†	44.9	
RO046088	22.6	0.5	2.3	0.012					1.0		35.1	
RO046089	14.8	0.3	1.9	0.009					0.2	†	23.0	
RO046090	2.9	0.0	0.6	0.006					9.5		35.6	
**RO046286	10.4	0.3	1.4	0.010					0.1	†	34.8	
Mean	**24.2**	**0.9**	**4.1**	**0.018**					**2.1**		**24.0**	

† = 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)

**Additional station sampled in Charleston Harbor which is not included in the mean