

SCECAP 2000 -- Tidal Creeks
Sediment characteristics, contaminants, and toxicity

Station	Characteristics			Contaminants					Toxicity					
	Percent Silt/Clay	TOC % of Total	TAN (mg/l)	ERMQ	Metals* 1	PAHs* 1	Pest* 1	PCBs* 1	Microtox® Assay		Amphipod Assay		Seed Clam Assay	
									EC ₅₀ Percent	Toxic	Percent Survival	Toxic	Mean Growth	Toxic
RT00501	10.3	0.4	0.8	0.009					0.5	†	96		54.0	
RT00502	2.0	0.1	0.4	0.002					15.6		83		25.6	†
RT00503	17.8	0.9	3.3	0.014	1				0.3	†	88		28.1	
RT00504	14.7	0.4	1.6	0.005					0.2	†	87		31.7	
RT00505	32.9	1.5	2.7	0.015	1				0.1	†	88		28.5	
RT00517	3.1	0.1	1.2	0.005					16.8		91		33.9	
RT00518	78.7	5.4	1.6	0.028	1				0.6		92		38.7	
RT00519	34.4	1.5	4.4	0.013					0.0	†	91		30.3	
RT00520	15.1	0.4	1.6	0.011					0.2	†	91		30.0	
RT00521	87.9	3.7	6.3	0.035	1				0.0	†	92		27.2	
RT00523	70.5	2.4	2.0	0.020	1				0.4		94		36.5	
RT00525	10.2	0.5	0.9	0.009					0.3	†	91		34.5	
RT00526	63.8	4.0	8.7	0.049	1		1		0.1	†	89		-12.7	†
RT00528	50.9	2.4	7.4	0.017					0.3		91		22.0	
RT00530	25.6	1.0	4.5	0.013					0.1	†	97		27.0	
RT00531	6.0	0.2	1.2	0.004					0.9		87		25.0	
RT00541	45.7	1.2	0.8	0.017	1				0.8		94		50.0	
RT00542	8.8	0.2	1.0	0.006					0.8		87		28.0	
RT00543	19.3	0.6	2.3	0.005					0.1	†	90		35.4	
RT00544	5.6	0.1	1.7	0.003					7.0		90		18.3	
RT00545	1.5	0.0	0.1	0.000					16.1		90		55.4	
RT00546	6.8	0.3	0.9	0.004					1.2		88		51.5	
RT00547	27.6	1.0	1.8	0.012					0.8		94		30.9	
RT00548	70.5	2.0	0.9	0.027	1				0.3		82		22.8	
RT00549	74.3	3.3	2.1	0.055	1		1		0.0	†	93		-2.1	†
RT00550	12.8	0.4	3.3	0.003					0.1	†	94		29.1	†
RT00554	34.3	1.5	21.0	0.008					0.4		89		23.8	†
RT00556	17.5	0.7	2.5	0.006					0.1	†	90		52.6	
RT00557	32.9	1.1	3.3	0.009					0.7		90		27.7	
RT00558	72.9	2.7	1.5	0.031	1				0.0	†	88		24.3	
Mean	31.8	1.3	40.4	0.014					2.2		90.23		30.3	

† = 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

* Number of analytes that exceed Effects Range Low (ER-L) guidelines (Long et al., 1995).

■ = Values exceed threshold representing moderate risk of benthic impacts (Hyland et al., 1999).