

SCECAP 2001 -- Tidal Creeks
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
RT01602	5.2	0.2	2.3	0.002					0.8		58.6	†
RT01603	4.8	0.1	2.2	0.003					2.4		22.1	†
RT01604	5.8	0.25	2.9	0.010					5.7		34.5	
RT01606	47.0	4.0	2.0	0.033	2				0.1	†	24.0	†
RT01619	17.6	0.7	2.6	0.008					0.2	†	18.5	†
RT01624	5.8	0.3	1.3	0.004					0.4	†	14.1	†
RT01625	27.2	1.0	2.3	0.012					0.3		37.0	
RT01628	9.1	0.5	1.9	0.040	1				2.0		54.3	†
RT01633	19.7	1.0	2.9	0.034		2			0.6		61.2	†
RT01642	15.4	0.5	1.5	0.010					0.3	†	38.5	
RT01643	13.6	0.5	2.5	0.010					1.6		29.3	†
RT01644	38.2	1.1	2.1	0.028	1				0.1	†	71.3	
RT01645	4.1	0.1	2.0	0.004					11.3		24.7	†
RT01646	44.9	1.3	2.5	0.029	1				0.1	†	75.9	
RT01647	24.4	0.7	2.3	0.010					0.2	†	29.2	
RT01648	95.9	3.8	10.9	0.035	2				0.0	†	30.2	
RT01649	15.5	0.4	1.3	0.007					0.3	†	40.0	
RT01650	2.5	0.1	2.3	0.007					0.5	†	81.6	
RT01652	28.2	1.0	3.8	0.014					0.1	†	31.6	†
RT01653	26.7	0.8	2.3	0.013					0.2	†	27.7	†
RT01654	98.8	5.2	20.4	0.046	2				0.0	†	-0.9	†
RT01655	11.3	0.3	3.8	0.005					0.2	†	12.1	†
RT01664	18.6	0.3	1.8	0.009					0.1	†	34.7	
RT01665	98.8	5.7	2.9	0.031	2				0.0	†	37.9	
RT01668	79.4	2.7	3.0	0.033	1				0.0	†	14.2	†
NT01598	9.4	0.4	1.8	0.017					0.1	†	76.4	
NT01599	92.0	7.6	8.2	0.226	7		2**		0.1	†	74.1	
NT01651	17.8	0.5	3.0	0.013					0.1	†	79.1	
Mean	30.3	1.3	3.4	0.017					1.1		36.1	

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)

**One of these analytes (Total DDT) exceeded Effects Range Median (ER-M) guidelines (Long et al., 1995)