

SCECAP 2002 -- 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 |
| RT022002 | 22.9 | 0.5 | 2.3 | 0.008 | | | | | 0.2 | † | 42.9 | |
| RT022004 | 55.6 | 2.5 | 1.8 | 0.035 | 1 | | | | 0.1 | † | 40.9 | |
| RT022005 | 94.7 | 5.4 | 2.5 | 0.038 | 2 | | | | 0.1 | † | -2.4 | † |
| RT022006 | 11.3 | 0.3 | 3.1 | 0.007 | | | | | 0.4 | † | 64.9 | |
| RT022007 | 86.0 | 3.9 | 13.3 | 0.037 | 1 | | | | 0.0 | † | 43.7 | † |
| RT022008 | 8.0 | 0.3 | 1.7 | 0.006 | | | | | 0.8 | | 65.7 | |
| RT022009 | 27.1 | 1.3 | 2.3 | 0.011 | | | | | 0.2 | † | 48.9 | |
| RT022013 | 6.3 | 0.1 | 2.1 | 0.001 | | | | | 6.4 | | 53.3 | |
| RT022015 | 18.4 | 0.4 | 1.4 | 0.008 | | | | | 0.5 | † | 19.3 | |
| RT022016 | 56.0 | 2.2 | 1.5 | 0.025 | 1 | | | | 1.2 | | 50.5 | |
| RT022017 | 9.9 | 0.3 | 1.8 | 0.002 | | | | | 3.3 | | 20.2 | |
| RT022019 | 22.8 | 1.5 | 2.4 | 0.011 | | | | | 0.2 | † | 24.2 | |
| RT022021 | 34.6 | 2.2 | 3.3 | 0.020 | 1 | | | | 1.4 | | 21.7 | |
| RT022022 | 6.6 | 0.3 | 2.1 | 0.004 | | | | | 0.7 | | 41.5 | |
| RT022027 | 26.9 | 0.9 | 2.2 | 0.014 | 1 | | | | 0.1 | † | 24.2 | |
| RT022028 | 49.7 | 3.1 | 3.5 | 0.027 | 1 | | | | 0.8 | | 28.3 | † |
| RT022030 | 8.1 | 0.2 | 1.1 | 0.007 | | | | | 2.7 | | 39.6 | |
| RT022152 | 85.0 | 4.3 | 1.1 | 0.043 | 1 | | | | 0.6 | | 7.9 | † |
| RT022153 | 59.1 | 1.7 | 3.7 | 0.023 | 1 | | | | 0.6 | | 55.1 | |
| RT022154 | 13.7 | 0.7 | 2.4 | 0.010 | | | | | 0.4 | † | 65.6 | |
| RT022155 | 9.7 | 0.5 | 1.2 | 0.011 | | | | | 0.7 | | 63.1 | |
| RT022156 | 16.4 | 0.7 | 1.8 | 0.006 | | | | | 0.2 | † | 44.8 | |
| RT022157 | 13.8 | 0.4 | 4.1 | 0.005 | | | | | 0.4 | † | 15.3 | |
| RT022160 | 7.6 | 0.4 | 1.5 | 0.004 | | | | | 1.7 | | 41.6 | |
| RT022162 | 12.2 | 0.5 | 3.9 | 0.010 | | | | | 0.3 | † | 38.5 | |
| RT022164 | 16.6 | 1.2 | 3.9 | 0.020 | 1 | | | | 0.2 | † | 44.3 | |
| RT022165 | 50.2 | 2.2 | 2.6 | 0.020 | | | | | 0.0 | † | 47.8 | |
| RT022167 | 82.3 | 3.1 | 2.8 | 0.023 | 1 | | | | 0.6 | | -1.0 | † |
| RT022170 | 8.9 | 0.5 | 3.9 | 0.020 | | | | | 0.1 | † | 62.3 | |
| RT022171 | 6.0 | 0.2 | 1.4 | 0.003 | | | | | 2.2 | | 20.4 | |
| RT022282 | 5.3 | 0.4 | 3.0 | 0.009 | | | | | 0.5 | † | 32.7 | |
| NT022301 | 90.4 | 4.6 | 21.5 | 0.111 | 3 | 5 | | | 0.0 | † | | |
| Mean | 30.1 | 1.4 | 2.8 | 0.015 | | | | | 0.9 | | 37.6 | |

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).