**Table S1.** Fecal indicator organism estimates in sand at two marine beaches, Fairhope Beach, AL and Goddard Beach, RI during the 2007 NEEAR Water Study.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Indicator | Na | Min | Median | Max | Geometric Mean | Non-detects | p-value |
| **Fairhope Beach** |  |  |  |  |  |  |  |
| F+ coliphages (MPN/g) | 51 | 0.005 | 0.005 | 0.2 | 0.007 | 39 |  |
| *Enterococcus* (CFU/g) | 72 | 0.5 | 8.4 | 4,924 | 6.4 | 13 |  |
| *Enterococcus* (CCE/g) | 63 | 9.4 | 79 | 1,952 | 95 | 14 |  |
| *Bacteroidales* (CCE/g) | 63 | 2.2 | 36 | 11,937 | 63 | 32 |  |
| Fecal *Bacteroides* spp*.* (CCE/g) | 63 | 4 | 65 | 9,427 | 128 | 21 |  |
| *C. perfringens* (CCE/g) | 72 | 58 | 1,350 | 42,839 | 1,623 | 0 |  |
| **Goddard Beach** |  |  |  |  |  |  |  |
| F+ coliphages (MPN/g) | 72 | 0.005 | 0.005 | 1.8 | 0.007 | 63 |  |
| *Enterococcus* (CFU/g) | 72 | 0.5 | 1.8 | 1,596 | 1.5 | 27 |  |
| *Enterococcus* (CCE/g) | 72 | 7.8 | 123 | 63,621 | 161 | 3 |  |
| *Bacteroidales* (CCE/g) | 72 | 5.4 | 46 | 12,364 | 69 | 32 |  |
| Fecal *Bacteroides* spp*.* (CCE/g) | 72 | 5.4 | 574 | 23,268 | 235 | 22 |  |
| *C. perfringens* (CCE/g) | 72 | 190 | 2,082 | 34,780 | 1,959 | 0 |  |
| **Both Beaches** |  |  |  |  |  |  |  |
| F+ coliphages (MPN/g) | 123 | 0.005 | 0.005 | 1.8 | 0.007 | 102 | 0.84 |
| *Enterococcus* (CFU/g) | 144 | 0.5 | 3.8 | 4,924 | 3.1 | 40 | <0.001 |
| *Enterococcus* (CCE/g) | 135 | 7.8 | 103 | 63,621 | 126 | 17 | 0.05 |
| *Bacteroidales* (CCE/g) | 135 | 2.2 | 38 | 12,364 | 66 | 64 | 0.78 |
| Fecal *Bacteroides* spp*.* (CCE/g) | 135 | 4 | 286 | 23,268 | 177 | 43 | 0.11 |
| *C. perfringens* (CCE/g) | 144 | 58 | 1,728 | 42,839 | 1,783 | 0 | 0.38 |
| a Number of samples  b MPN/g indicates most probable number per gram of dry weight sand. | | | | | | |  |
| CFU = Colony Forming Units per g dry sand | |  |  |  |  |  |  |
| CCE = qPCR Calibrator Cell Equivalents per g dry sand for the delta-delta cycle threshold calculation [[27](#_ENREF_27), [30](#_ENREF_30)] | | | | | | |  |