**Table S3.** Description of weather and environmental parameters at two marine beaches, Fairhope Beach, AL and Goddard Beach, RI during the 2007 NEEAR Water Study.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Na | Min. or  N (%) = 0b | Median | Max or  N (%) = 1b |
| **Fairhope Beach, AL** |  |  |  |  |
| Rainfall in previous 24 hr (cm) | 24 | 0 | 0 | 1.01 |
| Rainfall in previous 24-48 hr (cm) | 24 | 0 | 0 | 2.12 |
| Rainfall in previous 48-72 hr (cm) | 24 | 0 | 0 | 1.82 |
| Water temperature (°C) | 24 | 19.2 | 28 | 29.4 |
| Wind direction (0=offshore; 1=onshore) | 24 | 14 (58) | - | 10 (42) |
| Cloud cover (0=sunny to 4=overcast) | 24 | 0 | 3 | 4 |
| Wave height (m) | 24 | 0 | 0.13 | 0.75 |
| Tide phase (0=flooding; 1=ebbing) | 24 | 7 (29) | - | 17 (71) |
| Number of birds on beach | 24 | 0 | 25 | 96 |
| Number of dogs on beach | 24 | 0 | 0 | 2 |
| Bather density on beachc | 24 | 0 | 1 | 2 |
| Presence of algae on beach (1=yes; 0=no) | 24 | 9 (38) | - | 15 (62) |
| **Goddard Beach, RI** |  |  |  |  |
| Rainfall in previous 24 hr (cm) | 24 | 0 | 0 | 0.45 |
| Rainfall in previous 24-48 hr (cm) | 24 | 0 | 0 | 0.75 |
| Rainfall in previous 48-72 hr (cm) | 24 | 0 | 0 | 0.75 |
| Water temperature (°C) | 24 | 19.1 | 22.3 | 26.1 |
| Wind direction (0=offshore; 1=onshore) | 24 | 5 (21) | - | 19 (79) |
| Cloud cover (0=sunny to 4=overcast) | 24 | 0 | 4 | 4 |
| Wave height (m) | 24 | 0 | 0.1 | 0.4 |
| Tide phase (0=flooding; 1=ebbing) | 24 | 6 (25) | - | 18 (75) |
| Number of birds on beach | 24 | 0 | 9 | 100 |
| Number of dogs on beach | 24 | 0 | 0 | 10 |
| Bather density on beachc | 24 | 0 | 1 | 2 |
| Presence of algae on beach (1=yes; 0=no) | 24 | 4 (17) | - | 20 (83) |
| a Number of observations |  |  |  |  |
| b Number and percent of observations for binary variables listed in table  c (0 = none; 1 = 1 to <20; 2 = 20 to <100; 3 = 100 to <200; 4 = ≥200) | | | | |