**Supplementary Table 2** - Average horizontal test diameter (mm) of sea urchin *Tripneustes ventricosus* in three sites of Puerto Rico. Sites were Cerro Gordo (CGD), Isla de Cabra (ICB) and Punta Bandera (PBD). Size limit between small and large was established at 7.01 cm. Small were collected only in ICB. Asterisk represents significant differences between the two size classes within the same time-period (Mann-Whitney test, Z= 2.81, p*value*= 0.004).

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| --- | --- | --- | --- |
| **Time** | **Sites** | **Small (cm)** | **Large (cm)** |
| February | CGD | - | 10.0 ± 0.40 |
|  | ICB | \* 6.0 ± 0.68 | \* 9.6 ± 0.71 |
|   | PBD | - | 11.3 ± 0.93 |
| August | CGD | - | 8.7 ± 1.03 |
|  | ICB | - | 8.5 ± 1.04 |
|   | PBD | - | 10.6 ± 0.78 |