

TABLE S1. Summary of abiotic measurements and fork length (FL) of Tarpon captured in Isle of Youth, Cuba. CL, Colony Lagoon; PFL, Punta Francés Lagoon; SP, San Pedro. CI, 95% confidence interval; N, number of Tarpon captured; Min, minimum; Max, maximum. Sampling dates are in brackets.

| Abiotic measurements | Mean | CI (-95 %) | CI (+95 %) | N | Min | Max |
|--|-------------|-------------------|-------------------|----------|------------|------------|
| CL [January 2017] | | | | | | |
| Depth (cm) | 40.4 | 32.2 | 48.5 | 14 | 16.0 | 67.0 |
| Temperature (°C) | 22.2 | 21.7 | 22.7 | 14 | 20.6 | 24.1 |
| Salinity | 37.8 | 26.1 | 49.5 | 14 | 0.1 | 51.4 |
| PFL [January 2017] | | | | | | |
| Depth (cm) | 92.5 | 90.1 | 94.8 | 46 | 77.0 | 111.0 |
| Temperature (°C) | 26.8 | 26.3 | 27.3 | 46 | 25.6 | 38.3 |
| Salinity | 37.7 | 36.3 | 39.0 | 46 | 8.1 | 39.2 |
| SP [January 2017] | | | | | | |
| Depth (cm) | 334.8 | 282.2 | 387.4 | 23 | 180.0 | 670.0 |
| Temperature (°C) | 24.2 | 23.8 | 24.5 | 23 | 22.7 | 25.5 |
| Salinity | 33.6 | 32.0 | 35.1 | 23 | 23.9 | 38.1 |
| Tarpon captures | Mean | CI (-95 %) | CI (+95 %) | N | Min | Max |
| CL [May, July 2016; January 2017] | | | | | | |
| FL (mm) | 148.5 | 131.3 | 165.6 | 22 | 99.0 | 235.0 |
| PFL [June 2015] | | | | | | |
| FL (mm) | 436.7 | 360.8 | 512.6 | 3 | 410.0 | 470.0 |
| SP [June-August 2015; January, May-July 2016] | | | | | | |
| FL (mm) | 629.8 | 594.9 | 664.6 | 20 | 510.0 | 850.0 |