

TABLE S2. Areas in the Isle of Youth, Cuba where abiotic measurements were recorded simultaneously with Tarpon captures. CL, Colony Lagoon, consisting of 3 sites A, B, C; SP, San Pedro river system, including sampling points BR, T0, T1, T2 where Tarpon are usually observed. Abiotic measurements: TB, Bottom temperature (°C); TS, Surface temperature (°C); SB, Bottom salinity; SS, Surface salinity; D, Depth (cm); V, Visibility (cm); DOB, Bottom dissolved oxygen (mg/L); DOS, Surface dissolved oxygen (mg/L). * Estimated size.

Area/Site	Date	Fork length range, mm (number of individuals)	TB (°C)	TS (°C)	SB	SS	D (cm)	V (cm)	DOB (mg/L)	DOS (mg/L)
CL/Site A	07/2016	110 (1)	27.0	-	0.6	-	-	-	0.2	-
CL/Site B	01/13/2017	170 - 235 (3)	22.1	-	50.8-51.3	-	48	26	-	-
SP/T0-T1	06/25/2016	850 (1)	30.2	29.2	30.5	1.2	230	70	-	-
SP/T0-T1	07/25/2016	570 – 670 (3)	30.3	27.7	24.7	3.7	450	100	0.5	0.8
SP/T0	07/25/2016	640 (1)	30.2	29.8	39.8	9.0	300	100	2.7	3.1
SP/BR	01/19/2017	500* (1)	25.5	24.5	34.3	33.3	270	270	-	-