

de Jesús-Navarrete et al. 2027. Microplastic occurrence in water and sediments at Bacalar Lake, Quintana Roo, México. *Limnetica*, 46(1), 2027

SUPPLEMENTARY INFORMATION

Table S1. Morphology, colour, size, and abundance of microplastics in surface water at Bacalar Lake. *Morfología, color, tamaño y abundancia de microplásticos en la superficie del agua en el lago Bacaler.*

Date	12/07/2022				24/10/2022				07/03/2023			
Site	S2	S22	S24	S30	S2	S22	S24	S30	S2	S22	S24	S30
Fibers												
Blue	15	11	0	8	0	2	22	1	0	0	0	1
Black	0	0	0	0	0	1	5	1	1	0	1	0
Red	2	0	0	2	0	1	0	1	0	0	0	1
Transparent	2	0	0	2	3	0	7	3	1	0	1	0
Films/Fragments												
White	0	0	28	0	16	10	4	0	18	34	44	39
Blue	0	3	0	0	0	0	0	0	0	0	0	0
Black	4	0	0	0	0	0	0	0	0	0	0	0
Beads/pellet	0	0	0	0	0	0	0	0	0	1	0	0
Total	23	14	28	12	19	14	38	6	20	35	46	41
Items/1000 m ³	0	0.33	0.61	0.15	0.12	0.49	1.56	0.22	0.33	0.72	0.94	0.56
Mean Size (µm)	1.7	2.16	1.42	1.59	4.71	2.13	1.49	3.14	1.65	1.92	2.65	2.04

Table S2. Morphology, colour, size, and abundance of microplastics in sediments of Bacalar Lake. *Morfología, color, tamaño y abundancia de microplásticos en los sedimentos en el lago Bacalar.*

Date	12/07/2022														
Color/Site	S2	S5	S7	S10	S13	S16	S19	S21	S22	S23	S24	S25	S26	S28	S30
Black	0	0	1	0	2	3	1	0	1	1	7	3	0	0	7
Blue	2	1	12	3	3	8	4	6	5	5	0	9	1	2	41
Red	0	0	1	0	0	2	1	1	0	1	0	2	0	1	4
Trans	4	5	9	8	12	7	8	5	4	18	0	1	6	1	45
Total	6	6	23	11	17	20	14	12	10	25	7	15	7	4	97
Items/kg	0.03	0.03	0.11	0.09	0.15	0.16	0.08	0.06	0.05	0.16	0.04	0.12	0.05	0.02	0.89
Mean Size (mm)	0.94	2.23	1.58	1.48	1.36	2.05	1.33	1.23	1.79	1.35	1.42	1.87	2.14	2.03	2.16
Date	24/10/2022														
Color/Site	S2	S5	S7	S10	S13	S16	S19	S21	S22	S23	S24	S25	S26	S28	S30
Black	2	3	2	3	2	2	1	2	0	1	2	4	1	0	2
Blue	0	2	4	0	2	3	3	12	6	9	5	7	1	4	11
Red	1	0	1	0	0	0	2	0	1	2	0	0	0	0	2
Trans	8	5	5	4	1	5	9	8	9	16	5	5	8	4	3
Total	11	10	12	7	5	10	15	22	16	28	12	16	10	8	18
Items/kg	0.05	0.06	0.06	0.05	0.03	0.06	0.1	0.12	0.11	0.16	0.06	0.1	0.07	0.06	0.12
Mean Size (mm)	2.48	2.13	1.98	3.45	1.47	1.44	1.40	2.09	1.65	1.45	1.04	1.78	1.74	2.05	2.25
Date	07/03/2023														
Color/Site	S2	S5	S7	S10	S13	S16	S19	S21	S22	S23	S24	S25	S26	S28	S30
Black	0	2	0	0	0	0	1	1	0	1	2	0	0	0	0
Blue	5	8	6	9	3	6	2	7	3	7	3	8	2	6	31
Red	0	0	0	0	0	0	0	0	0	2	1	0	0	0	2
Trans	3	8	3	2	3	3	5	0	1	11	5	7	5	1	18
Total	8	18	9	11	6	9	8	8	4	21	11	15	7	7	51
Items/kg	0.05	0.09	0.04	0.06	0.05	0.06	0.05	0.05	0.02	0.13	0.07	0.08	0.04	0.05	0.4
Mean Size (mm)	1.47	1.91	1.93	1.04	2.38	1.29	1.81	1.29	1.91	2.47	1.62	1.40	1.23	1.67	1.68

