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APPENDIX 1

Sampling locations and environmental parameters measured in the Río Lagartos coastal lagoon.
The three basins and sampling gear used are indicated

Variable	Río Lagartos					Las Coloradas					El Cuyo				
	3	6	9	12	15	20	21	22	23	25	27	29	30	32	35
Latitude	21.574	21.581	21.603	21.608	21.596	21.575	21.592	21.581	21.565	21.563	21.560	21.535	21.518	21.520	21.511
Longitude	-88.231	-88.199	-88.156	-88.135	-88.071	-88.003	-87.985	-87.955	-87.958	-87.916	-87.838	-87.791	-87.773	-87.739	-87.688
T °C	28.83	29.72	32.54	31.71	30.69	31.38	30.71	31.47	29.82	28.71	29.48	29.07	28.71	31.12	28.62
Salinity	36.67	38.21	40.01	41.56	42.49	44.1	45.8	52.98	46.62	58.14	74	75	67	77	79
pH	7.595	8.24	8.21	8.26	8.25	8.21	8.4	8.44	8.45	8.33	8.53	8.62	8.5	8.47	8.46
DO (mg/L)	8.05	8.15	11.09	9.49	6.92	6.67	6.53	8.74	7.06	6.46	7.81	7.76	6.89	8.14	5.35

Seagrass (%)	11.79	100	1.68	13.25	6.53	1.51	3.21	0	1.267	3.714	0.770	0	0	0	0	
Grain size																
< 63 µm (%)	1.16	21.36	5.29	25.19	55.24	20.60	37.05	1.01	41.42	2.83	2.46	10.95	0.91	8.21	4.58	
0.063-0.125 µm (%)	12.86	5.46	15.93	12.65	6.98	15.58	10.19	1.75	18.24	7.09	2.62	6.61	11.47	7.78	5.92	
0.125-0.250 µm (%)	13.61	56.78	20.78	16.98	13.97	19.20	13.50	4.88	24.60	24.31	8.17	22.09	22.82	14.22	19.52	
0.250-0.500 µm (%)	7.38	6.35	17.19	14.46	11.40	11.51	5.88	8.88	11.92	34.75	19.77	21.04	25.08	14.31	21.70	
0.500-1 mm (%)	19.84	2.64	15.63	13.17	8.22	10.41	0.16	18.52	2.11	19.06	24.33	13.45	17.84	18.96	16.09	
1-2 mm (%)	22.34	2.23	14.85	7.92	2.64	13.36	0.00	26.31	0.04	6.94	16.74	13.90	2.94	22.44	18.34	
> 2 mm (%)	22.81	5.19	10.32	9.63	1.55	9.35	33.22	38.64	1.66	5.02	25.92	11.96	18.95	14.08	13.86	
Sampling gear	PVC core	PVC core	Ponar grab	Ponar grab	Ponar grab	Ponar grab	Ponar grab	Ponar grab	Ponar grab	Ponar grab	Ponar grab	Ponar grab	Ponar grab	Ponar grab	PVC core	PVC core

APPENDIX 2

nMDS ordination plot of polychaete density data with cluster analysis overlay based on a Bray-Curtis resemblance matrix. Numbers indicate sampling stations.

