

Table 2 Average values (by site and by month) of physicochemical variables (temperature and salinity) and ecological indexes: Fisher's alpha diversity ( $\alpha$ -Fisher), taxonomic distinctness (TD  $\Delta^*$ ) and average taxonomic distinctness (AvTD  $\Delta^+$ ), recorded in San Ignacio lagoon from April 2013 to April 2014

	Temperature ( °C)	Salinity (UPS)	$\alpha$ -Fisher	TD $\Delta^*$	AvTD $\Delta^+$
Site 1	19.68	33	5.28	59.15	60.64
Site 2	20.92	33.38	9.76	58.6	60.04
Site 3	22.45	36.62	10.21	67.42	68.18
Site 4	21.85	36.25	10.62	62.75	64.84
Site 5	21.65	36.1	12.52	65.77	67.61
Site 6	21.73	36.97	11.5	63.79	66.97
Site 7	21.5	36.65	10.67	60.55	61.53
Site 8	21.6	35.75	2.88	65.33	63.88
Site 9	21.35	35.48	12.13	62.78	63.88
Site 10	20.98	33.97	10.62	65.63	67.77
Site 11	19.98	32.78	13.66	58.8	61.58
April 2013	20.5	37	9.51	60.15	61.9
June 2013	24.5	38	11.87	61.86	63.8
August 2013	25.2	36.9	15.32	64.27	67.65
October 2013	22.3	35.4	22.49	64.55	66.46
December 2013	16.2	32.6	4.41	64.97	64.44
April 2014	18.62	31.14	5	57.73	64.28