

Supplementary Materials

Table S1: Phytoplankton community characterisation.

Sampling Location	Date	Season	Station	Total R*	Diatoms R	Flagellates R	Diversity	Dominance
Ilque	05/01/2023	Summer	I-1	12	9	3	0.127	0.977
			I-2	11	8	3	0.118	0.982
Pulelo	18/01/2023	Summer	P-1	22	17	5	0.572	0.762
			P-2	24	18	6	0.495	0.816
			P-3	20	14	6	0.557	0.740
			P-4	21	16	5	0.551	0.768
Isla Tenglo	26/01/2023	Summer	T-1	21	15	6	0.535	0.804
			T-2	18	13	5	0.592	0.775
			T-3	20	14	6	0.496	0.832
Pulelo	08/03/2023	Autumn	P-5	19	16	3	1.236	0.465
			P-6	25	18	7	1.115	0.584
			P-7	22	17	5	1.229	0.459
			P-8	22	18	4	0.931	0.646
Ilque	31/03/2023	Autumn	I3	14	11	3	0.637	0.784
Yaotal	12/04/2023	Autumn	Y1	10	6	4	0.974	0.627
Chaparano	14/04/2023	Autumn	C-1	27	18	9	1.253	0.466
			C-2	30	22	8	1.069	0.581
			C-3	26	19	7	0.863	0.670
Canal Tenglo	09/05/2023	Autumn	CT-1	16	12	4	0.317	0.914
			CT-2	16	11	5	0.339	0.901

*R: richness