

# Hydroclimatological Patterns and Limnological Characteristics of Unique Wetland Systems on the Argentine High Andean Plateau

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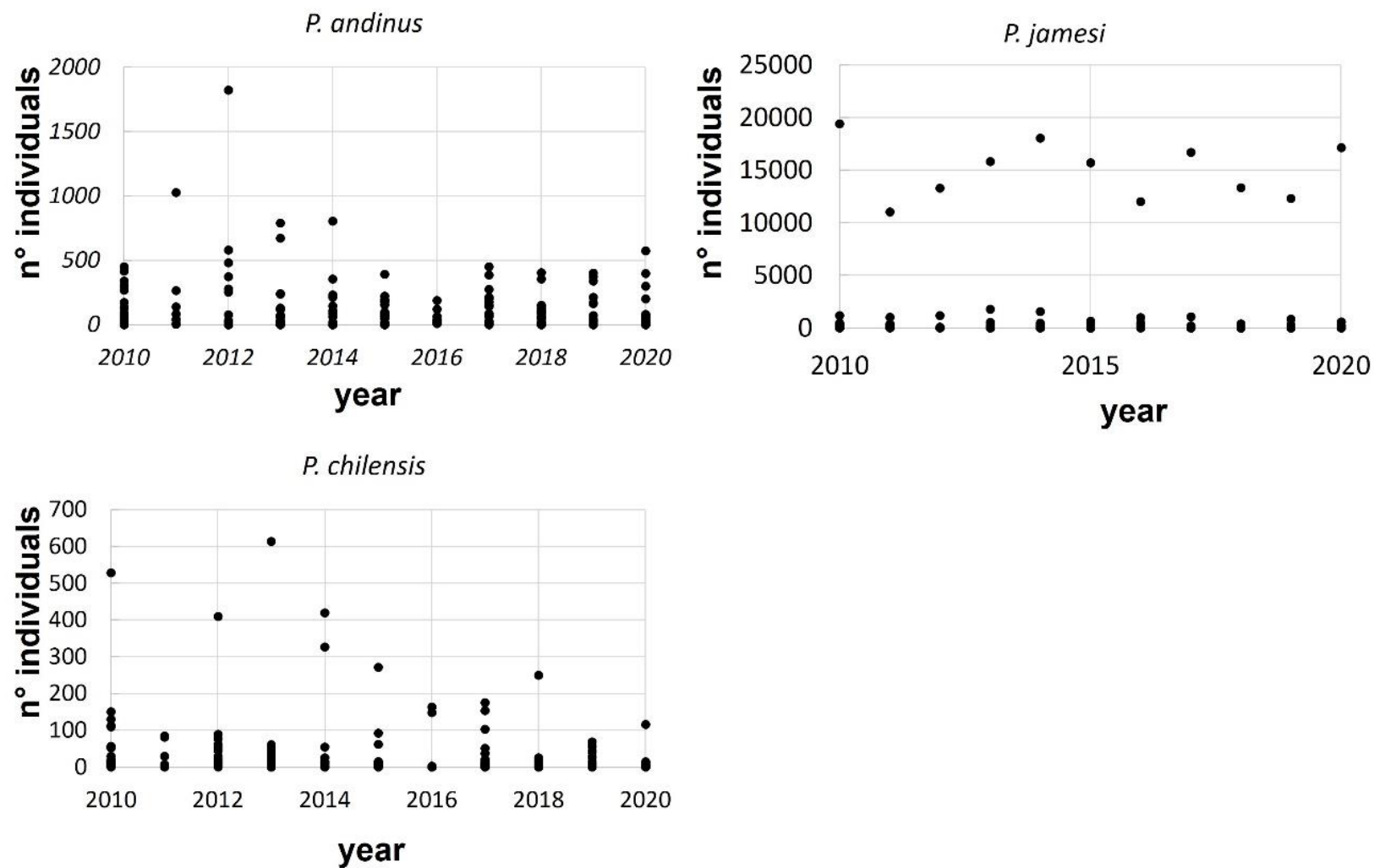
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**Table S1**

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**Figure S1.** Total number of flamingos from the three species recorded reported on each wetland censused from years 2010 to 2020.

**Table S1.** Wetlands sampled and limnological sampling dates.

<b>Wetland</b>	<b>Sampling Dates</b>
Aguas Dulces	Jan-10
Alumbrera	Jan-10; Feb-13; Feb 17; Feb-19; Feb-20
Antofagasta	Jan-10; Feb-13; Feb 17; Feb-19; Feb-20
Los Aparejos	Jan-10; Feb-17; Feb-19
Archibarca	Jan-10; Feb-13
Azul	Feb-17; Feb-19; Feb-20
Cabi	feb-19
Carachi Pampa	Feb-17; Feb-19; Feb-20
Caro	feb-19
Cortaderas	Feb-13
Grande	Jan-10; Feb-13; Feb 17; Feb-19; Feb-20
Hedionda	Feb-19; Feb-20
Negra	Feb-17; Feb-19; Feb-20
El Peinado	Jan-10
Las Peñas	Feb-13; Feb-17; Feb-19; Feb-20
Purulla	Jan-10; Feb-13; Feb-17
San Francisco	Jan-10; Feb-13
Tres Quebradas	Jan-17
Las Tunas	feb-20
Verde	feb-17

**Table S2.** Summary of dissolved major Ion data in surface waters.

Sample ID	Location	Water Type	Date	SC ( $\mu\text{S}/\text{cm}$ )	T ( $^{\circ}\text{C}$ )	pH	TDS (mg/L)	mmol/l						
								Ca	K	Mg	Na	Cl	SO4	HCO3-
PNA6	Laguna San Fransisco	Lagoon	2-Feb-19	ND	19.1	8.5	14,244	4.67	23.99	28.95	166.88	158.30	16.70	6.93
PNA11	Laguna los Aparejos	Lagoon	3-Feb-19	ND	11.2	7.9	3171	0.85	0.75	4.58	20.35	29.94	3.89	9.50
PNA15	Laguna Azul	Lagoon	3-Feb-19	4500	21.6	8.9	3260	0.31	1.93	10.97	22.90	12.44	3.74	24.58
PNA30	Laguna Grande	Lagoon	5-Feb-19	8430	14.7	10.0	7670	0.22	4.87	0.09	155.01	70.85	2.75	15.09
PNA30	Laguna Grande	Lagoon	9-Feb-20	52,475	23.8	9.5	38,721	8.39	23.60	0.94	566.76	520.04	12.93	62.22
PNA33	Laguna Cabi	Lagoon	5-Feb-19	55,500	23.5	9.4	41,285	4.26	37.69	0.34	676.31	527.30	34.84	25.89
PNA41	Carachi Pampa lagoon	Lagoon	6-Feb-19	128,200	25.5	7.7	136,863	4.05	66.32	87.38	2144.46	2090.72	78.98	13.20
PNA41	Carachi Pampa lagoon	Lagoon	8-Feb-20	19,370	27.76	7.82	137,262	2.60	69.86	92.10	2167.15	1983.95	112.48	17.32
PNA44	Laguna Alumbreira	Lagoon	7-Feb-19	4560	11	9.3	2051	0.76	1.55	1.33	26.49	12.07	2.89	9.26
PNA44	Laguna Alumbreira	Lagoon	5-Feb-20	1153	26.57	8.97	929	0.59	0.57	0.50	10.01	5.02	1.06	4.97
PNA45	Laguna Antofagasta	Lagoon	7-Feb-19	1620	19	9.7	1084	0.46	0.65	0.64	13.42	5.33	1.34	5.81
PNA45	Laguna Antofagasta	Lagoon	7-Feb-20	2029	27.59	8.63	1554	0.95	0.89	0.80	18.57	10.02	2.74	6.53
PNA54	Laguna Caro	Lagoon	8-Feb-19	73,800	19.8	8.1	61,515	26.05	29.09	18.24	840.96	982.34	43.62	3.88

PNA125	Laguna Diamante	Lagoon	9-Feb- 20	230,000	18.37	8.5	255,938	10.87	155.39	1.29	4131.28	3789.68	ND	262.10
Sureda, 2003	Purulla	Lagoon	Jan-00	61,160	16	8	59,381	0.96	24.23	194.95	623.10	859.17	26.34	58.75
Sureda, 2003	Negra	Lagoon	May-01	147,760	27	7	40,938	77.35	13.04	33.33	378.43	699.52	21.03	15.41
Sureda, 2003	Verde	Lagoon	May-01	ND	20	7	310,180	573.88	79.29	119.32	4784.74	4795.08	3.33	5.25
Sureda, 2003	Peinado	Lagoon	May-01	135,840	32	8	45,190	67.37	13.30	39.09	434.98	722.08	34.25	32.78