

SUPPLEMENTARY MATERIALS 1

Table S1. Ecogeographic variables by studied peatland. Abbreviatures: ALT = mean altitude, RAIN = mean annual precipitation, TAIR = mean annual air temperature, TMIN = minimum temperature of the coldest month, TWAT = water temperature at the survey time, ORP = oxide-reduction potential, COND = conductivity, TURB: turbidity, %DO: % oxygen saturation, TDS: total dissolved solids

Tabla S1. Variables eco-geográficas registradas en las vegas estudiadas. Abreviaturas: ALT = altitud promedio, RAIN = precipitación media anual, TAIR = temperatura media anual del aire, TMIN = temperatura mínima del mes más frío, TWAT = temperatura del agua tomada en el momento del muestreo, ORP = potencial de óxido – reducción, COND = conductividad eléctrica, TURB = turbidez, %DO= % saturación de oxígeno, TDS = sólidos totales disueltos.

Peatland name	ALT (m)	Long.	Lat.	Mean NDVI	RAIN (mm)	TAIR (°C)	TMIN (°C)	TWAT (°C)	pH	ORP mV	COND (μ S/cm)	TURB (NTU)	%DO	TDS (g/L)
Tocomar	4358	-66.55065	-24.19546	0.29	123.58	5.29	-10.56	17.00	4.66	321.83	0260	8.8	86	0.17
Chorrillos	4435	-66.46174	-24.20906	0.16	131.22	5.13	-8.84	10.63	5.74	252.00	130	1.2	56	0.08
Incachule	4464	-66.45761	-24.31169	0.18	135.55	4.82	-10.06	16.90	7.14	81.00	740	3.3	87	0.47
Aguas Calientes	4090	-66.57134	-24.39891	0.21	115.70	6.55	-8.37	19.92	7.74	93.00	340	8.4	96	0.22
Pastos Grandes	4278	-66.67433	-24.46425	0.25	115.01	5.45	-9.73	19.92	7.48	144.00	190	3.2	96	0.12
Salinas Pastos Grandes	3788	-66.66109	-24.55853	0.24	100.63	8.05	-5.57	16.25	7.75	163.00	610	0.0	104	0.39
Laguna Blanca	3294	-66.92892	-24.41503	0.33	103.87	10.15	-1.62	22.25	6.22	133.00	90	203.9	73	0.16
Río Río	3627	-66.71659	-24.14384	0.11	120.80	8.46	-3.62	19.78	8.44	137.33	790	19.9	111	0.52
Pasto Ventura	3829	-67.00186	-23.88359	0.28	103.26	7.00	-5.33	17.59	7.04	121.29	160	117.8	84	0.10
Corral Blanco	3526	-66.23510	-24.44217	0.26	105.14	8.96	-2.36	16.02	7.73	41.11	360	1.0	71	0.24
Alto El Peñón	4091	-66.24370	-24.42556	0.32	104.00	6.04	-6.70	17.85	7.27	187.50	240	2.3	75	0.16
Lag. del Medio Norte	4221	-66.94675	-26.57863	0.22	110.38	5.32	-8.20	14.84	7.44	148.00	250	0.0	76	0.17
Lag. del Medio Sur	4240	-66.68415	-26.50202	0.25	111.48	5.06	-8.54	16.07	7.61	170.50	280	0.0	49	0.14
Quirón	3922	-66.64414	-26.35996	0.24	88.47	7.17	-7.07	9.32	7.17	0.50	640	11.2	80	0.42
Olapato Chico	4597	-67.17978	-26.69110	0.20	119.41	3.90	-11.61	9.72	7.89	160.33	110	13.2	107	0.07
Catua Arriba	4001	-66.91802	-26.49402	0.17	87.04	7.09	-7.65	12.59	8.07	116.50	1210	54.8	113	0.77
Catua Abajo	3974	-67.11047	-26.32910	0.15	86.17	7.27	-7.68	13.98	7.84	131.50	230	92.7	97	0.15
Acay Norte	4735	-67.09145	-26.29526	0.27	156.21	3.55	-10.62	10.78	6.86	78.25	180	5.8	71	0.04
Peña Colorada	3452	-67.37186	-26.04133	0.23	65.38	9.71	-1.92	16.87	9.25	148.88	100	0.3	76	0.07
Laguna Antofagasta	3331	-67.42505	-26.10217	0.23	62.52	10.29	-1.18	12.48	10.54	100.00	1070	7.2	60	0.69
Real Grande	4416	-67.21981	-25.98616	0.28	102.78	4.36	-9.66	10.20	8.81	147.40	50	5.0	64	0.03
Calalaste	4186	-67.52785	-25.70816	0.24	77.05	5.72	-7.10	9.56	7.97	56.00	350	0.6	61	0.23
Los Colorados	3964	-67.50419	-25.60919	0.34	68.88	7.19	-5.69	19.23	9.01	129.80	340	46.5	94	0.22

Punta las Peñas	3785	-67.31435	-26.01217	0.23	78.14	7.60	-4.55	11.37	8.70	119.00	70	1.6	65	0.04
El Peñon (CA)	3395	-67.24712	-26.46259	0.21	77.18	9.74	-1.65	16.07	7.61	104.20	450	57.9	48	0.31
Los Leones	3454	-69.34596	-29.06702	0.22	100.77	5.02	-4.66	12.03	8.13	220.40	440	47.4	73	0.28
Leoncito	3642	-69.18817	-28.02255	0.23	108.24	4.86	-5.54	18.13	8.81	263.50	1090	2.3	137	0.70
Volcancito	4198	-69.17297	-28.17322	0.32	101.10	2.44	-9.10	10.34	9.18	149.40	130	0.0	82	0.08
Rio los Baños	3922	-69.11275	-28.19056	0.18	96.00	3.61	-7.40	13.94	9.18	75.20	6470	2.7	57	4.02
Barrancas Blancas	4271	-68.83544	-28.47791	0.35	104.00	1.92	-9.78	6.35	9.66	-68.25	340	0.0	28	0.22
El Peñon (La Rioja)	3629	-69.00012	-28.71641	0.24	111.00	5.01	-5.80	11.86	10.95	34.00	11400	2.1	56	7.09
Chaschuil	3251	-68.15324	-27.64322	0.20	100.82	9.11	-1.22	9.24	8.80	121.00	2530	42.1	130	1.62
Cortaderas	3359	-68.14811	-27.54871	0.26	94.27	8.66	-1.67	15.65	9.22	159.75	640	48.1	109	0.43
Abra Aparejo	4143	-68.26330	-27.63768	0.13	114.00	4.38	-6.50	11.75	8.64	197.33	260	90.1	94	0.18
La 40	3776	-68.22813	-27.62687	0.28	105.74	6.36	-3.46	16.96	9.23	181.75	1050	5.3	105	0.70
Las Peladas	3916	-68.07174	-27.02532	0.45	82.04	6.31	-5.60	8.79	10.32	45.50	1040	5.0	111	0.68
Incahuasi	4015	-68.14701	-26.93116	0.23	79.01	5.96	-5.66	15.85	7.73	44.50	1630	17.7	105	1.04
Antofagasta	3447	-67.41284	-26.05912	0.24	63.74	9.72	-1.81	14.08	6.74	146.27	430	10.0	106	0.28
Las Quinquas	3446	-67.91657	-25.84934	0.26	44.39	9.55	-1.50	20.58	8.55	93.33	280	1.3	75	0.18
Antofalla	3863	-67.62860	-25.49455	0.29	58.35	7.55	-4.84	13.12	8.28	186.00	430	1.3	86	0.28
Botijuela	3408	-67.82227	-25.74484	0.31	46.13	9.91	-1.17	17.90	8.22	45.50	4920	0.0	90	2.52
La Quebradita	3875	-67.69426	-26.01677	0.21	65.00	7.30	-5.00	17.52	7.64	-39.00	1160	0.0	41	0.44
Quebrada del Diablo	3969	-67.68282	-26.04045	0.22	66.17	6.78	-5.53	13.26	7.39	29.75	730	0.0	68	0.50