

Supplementing Information

Table S1. Limnological parameters in summer season

Parameters		Centro Station				Los Llolles Station			
Depht (m)		0	10	15	30	0	10	15	30
Chl-a ($\mu\text{g/L}$)	Average	0.55	1.59	1.15	0.52	0.75	1.59	1.12	0.70
	Max	1.80	2.52	3.10	0.9	1.8	2.52	2.3	0.90
	Min	0.30	0.35	0.40	0.30	0.2	0.35	0.4	0.50
	SD	0.48	1.11	1.09	0.25	0.68	1.11	0.83	0.28
	CV(%)	0.87	0.69	0.94	0.48	0.91	0.69	0.74	0.40
	N	9	3	6	8	7	3	5	2
SD (m)	Average	11.4	10.60	11.66	11.40	12	10.60	12	14.16
	Max	19.5	12.80	19.50	19.50	16	12.80	13.9	16
	Min	5.50	9	5.50	5.50	9	9	9	13
	SD	3.46	1.96	4.09	3.62	2.47	1.96	2.47	1.60
	CV(%)	0.30	0.18	0.35	0.31	0.21	0.18	0.20	0.11
	N	13	3	9	12	8	3	8	3
Temperature ($^{\circ}\text{C}$)	Average	19.98	18.19	16.01	10.05	19.09	18.19	15.97	8.87
	Max	21.98	19.31	18.56	11.42	20.68	19.31	17.9	9.13
	Min	18.22	16.69	12.79	8.99	17.34	16.69	14.11	8.62
	SD	1.45	1.35	1.71	0.68	1.23	1.35	1.17	0.36
	CV(%)	0.07	0.07	0.10	0.06	0.06	0.07	0.07	0.04
	N	11	3	8	11	7	3	7	2
NT (mg/L)	Average	62.56	0.02	153.73	95.71	162.2	0.02	115.8	153.73
	Max	240.1	0.01	374.4	410.7	398.3	0.01	388.9	374.4
	Min	0.01	0.034	23.80	0.03	21.40	0.034	25.3	23.80
	SD	101.1	0.01	192.1	177.7	205.7	0.01	205.2	192.1
	CV(%)	1.61	0.5	1.24	1.85	1.26	0.5	1.76	1.24
	N	5	2	3	5	3	2	3	3
PT (mg/L)	Average	11.09	10.43	9.78	4.96	6.73	10.43	5.47	9.78
	Max	33.40	49.45	56.50	6.70	7.20	49.45	8.10	56.50
	Min	2.80	2.9	3	3	6.30	2.9	4.10	3
	SD	12.65	11.08	9.52	1.51	0.45	11.08	2.03	9.52
	CV(%)	1.14	1.05	0.97	0.30	0.06	1.05	0.37	0.97
	N	5	5	5	4	3	5	3	5
Turbidity (NTU)	Average	1.75	0.90	3	3.15	2.5	0.90	2.75	3
	Max	4	1.10	4.10	5.40	3.40	1.10	4	4.10
	Min	0.70	0.70	1.90	1.40	1.60	0.70	1.90	1.90
	SD	1.52	0.20	1.10	2.01	1.27	0.20	1.15	1.10

	CV(%)	0.86	0.22	0.36	0.63	0.5	0.22	0.41	0.36
	N	4	3	3	4	2	3	3	3

Table S2. Limnological parameters in autumn season

Parameters		Centro Station				Los Llolles Station			
Depht (m)		0	10	15	30	0	10	15	30
Chl-a (µg/L)	Average	1.32	0.96	0.96	0.67	1.08	1.04	1.04	0.67
	Max	1.70	1.40	1.40	1.30	1.30	1.70	1.70	1.30
	Min	0.60	0.30	0.30	0.20	0.50	0.20	0.20	0.20
	SD	0.52	0.46	0.46	0.45	0.33	0.66	0.66	0.45
	CV(%)	0.39	0.47	0.47	0.67	0.30	0.63	0.63	0.67
	N	4	5	5	4	5	5	5	4
SD (m)	Average	8.56	8.56	8.56	8.56	8.50	8.50	8.50	8.56
	Max	14.35	14.35	14.35	14.35	11.20	11.20	11.20	14.35
	Min	2.95	3.50	3.50	2.95	2.56	2.56	2.56	2.95
	SD	3.93	3.98	3.98	3.93	3.41	3.41	3.41	3.93
	CV(%)	0.46	0.46	0.46	0.46	0.40	0.40	0.40	0.46
	N	9	9	9	9	9	9	9	9
Temperature (°C)	Average	11.15	10.87	10.87	10.44	11.17	10.93	10.93	10.44
	Max	12.36	11.83	11.83	11.56	12.41	12.11	12.11	11.56
	Min	9.91	9.90	9.90	9.81	9.95	9.97	9.97	9.81
	SD	0.81	0.63	0.63	0.48	0.76	0.59	0.59	0.48
	CV(%)	0.07	0.05	0.05	0.04	0.06	0.05	0.05	0.04
	N	9	9	9	9	9	9	9	9
NT (mg/L)	Average	114.6	75.90	75.90	83.26	110.8	93.26	93.26	83.26
	Max	220.1	169.5	169.5	186.2	158.3	136.8	136.8	186.2
	Min	36	24	24	57	44	62	62	57
	SD	93.26	73.31	73.31	57.55	61.05	30.70	30.70	57.55
	CV(%)	0.81	0.96	0.96	0.69	0.55	0.32	0.32	0.69
	N	5	5	5	5	5	5	5	5
PT (mg/L)	Average	7.86	6.76	6.76	8.72	6.02	6.02	6.02	8.72
	Max	17.30	7.70	7.70	11.30	7.60	6.70	6.70	11.30
	Min	4.80	6	6	5.60	4.80	5.10	5.10	5.60
	SD	5.66	0.75	0.75	2.52	1.43	0.62	0.62	2.52
	CV(%)	0.72	0.11	0.11	0.28	0.23	0.10	0.10	0.28
	N	5	5	5	5	5	5	5	5

Turbidity (NTU)	Average	0.94	1.06	1.06	1.92	1.50	1.8	1.8	1.92
	Max	1.90	1.90	1.90	2.20	1.70	1.8	1.8	2.20
	Min	0.10	0.30	0.30	1.60	1.30	1.8	1.8	1.60
	SD	0.91	0.81	0.81	0.30	0.23	0	0	0.30
	CV(%)	9.68	0.76	0.76	0.15	0.15	0	0	0.15
	N	5	5	5	5	4	4	4	5

Table S3. Limnological parameters in winter season

Parameters		Centro Station				Los Llolles Station			
Depht (m)		0	10	15	30	0	10	15	30
Chl-a (µg/L)	Average	0.57	0.42	0.42	0.56	0.85	0.86	0.86	0.56
	Max	1.50	0.60	0.60	1.10	1.20	1.30	1.30	1.10
	Min	0.20	0.2	0.2	0.2	0.30	0.30	0.30	0.2
	SD	0.48	0.14	0.14	0.32	0.41	0.44	0.44	0.32
	CV(%)	0.84	0.33	0.33	0.57	0.48	0.51	0.51	0.57
	N	7	5	5	6	6	6	6	6
SD (m)	Average	6.88	6.88	6.88	6.88	6.66	6.66	6.66	6.88
	Max	10.5	10.5	10.5	10.5	8.50	8.50	8.50	10.5
	Min	3.50	3.50	3.50	3.50	4	4	4	3.50
	SD	2.40	2.40	2.40	2.40	2.30	2.30	2.30	2.40
	CV(%)	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
	N	9	9	9	9	9	9	9	9
Temperature (°C)	Average	8.52	8.25	8.25	8.15	8.43	8.22	8.22	8.15
	Max	9.16	8.82	8.82	8.36	8.86	8.47	8.47	8.36
	Min	8.02	7.96	7.96	7.96	8.07	8.01	8.01	7.96
	SD	0.40	0.26	0.26	0.16	0.26	0.14	0.14	0.16
	CV(%)	0.04	0.03	0.03	0.02	0.03	0.01	0.01	0.02
	N	9	9	9	9	9	9	9	9
NT (mg/L)	Average	228.5	100.2	100.2	75.01	91.64	80.18	80.18	75.01
	Max	939.1	164.1	164.1	203.2	220.1	208.3	208.3	203.2
	Min	37	94	94	39	37	11.6	11.6	39
	SD	437.8	37.19	37.19	67.53	75.27	72	72	67.53
	CV(%)	1.91	0.37	0.37	0.90	0.82	0.89	0.89	0.90
	N	5	5	5	5	5	5	5	5
PT (mg/L)	Average	10.07	9.70	9.70	11.18	10.03	9.98	9.98	11.18
	Max	23.60	17.20	17.20	25.80	16.10	22.2	22.2	25.80
	Min	6.30	5.90	5.90	5.90	5.40	5	5	5.90
	SD	6.34	4.08	4.08	7.40	3.62	5.88	5.88	7.40

	CV(%)	0.62	0.42	0.42	0.66	0.36	0.58	0.58	0.66
	N	6	6	6	6	6	6	6	6
Turbidity (NTU)	Average	1.75	2.02	2.02	1.85	2.20	1.96	1.96	1.85
	Max	2.3	3.40	3.40	3.30	1.40	3.20	3.20	3.30
	Min	0.2	0.60	0.60	0.20	0.40	0.30	0.30	0.20
	SD	1.52	1.05	1.05	1.25	2.39	1.24	1.24	1.25
	CV(%)	0.86	0.51	0.51	0.67	1.08	0.63	0.63	0.67
	N	6	6	6	6	6	6	6	6

Table S4. Limnological parameters in spring season

Parameters		Centro Station				Los Llolles Station			
Depht (m)		0	10	15	30	0	10	15	30
Chl-a (µg/L)	Average	0.98	1.78	1.58	1.19	1.18	1.78	2	1.19
	Max	1.49	2.07	2.60	2	1.80	2.07	2.9	2
	Min	0.20	0.4	0.8	0.50	0.70	0.4	1.1	0.50
	SD	0.57	0.44	0.64	0.63	0.45	0.44	0.64	0.63
	CV(%)	0.58	0.24	0.40	0.52	0.38	0.24	0.32	0.52
	N	8	4	6	9	5	4	5	9
SD (m)	Average	9.27	10.25	8.47	9.27	8.50	10.25	8.5	9.27
	Max	15	15	15	15	12.50	15	12.50	15
	Min	4.50	8	4.5	4.50	5	8	5	4.50
	SD	3.45	3.20	3.67	3.45	2.85	3.20	2.85	3.45
	CV(%)	0.37	0.31	0.43	0.37	0.33	0.31	0.33	0.37
	N	12	4	8	12	8	4	8	12
Temperature (°C)	Average	13.56	11.43	11.06	9.06	13.08	11.43	10.64	9.06
	Max	16.34	14.91	13.25	9.65	14.60	14.91	12.65	9.65
	Min	10.69	9.48	9.61	8.44	11.70	9.48	9.26	8.44
	SD	1.72	2.39	1.19	0.35	1.18	2.39	1.10	0.35
	CV(%)	0.12	0.20	0.10	0.03	0.09	0.20	0.10	0.03
	N	12	4	8	12	8	4	8	12
NT (mg/L)	Average	31.28	0.02	66.70	50.63	73.22	0.02	66.42	50.63
	Max	115.3	0.03	154.1	122.7	140.7	0.03	168.3	122.7
	Min	0.01	0.01	34	0.01	20	0.01	34	0.01
	SD	45.95	0.01	64	68.37	60.76	0.01	78.85	68.37
	CV(%)	1.46	0.50	0.95	1.35	0.82	0.50	1.18	1.35
	N	6	5	5	6	5	5	5	6
PT (mg/L)	Average	9.52	3.77	10.33	8.13	10.33	3.77	9.10	8.13
	Max	33.80	9.41	22.70	17.3	17.60	9.41	16.60	17.3

	Min	0.05	0.05	3.20	0.03	3.10	0.05	3.20	0.03
	SD	10.64	5.43	7.04	5.92	5.24	5.43	5.15	5.92
	CV(%)	1.11	1.44	0.68	0.72	0.50	1.44	0.56	0.72
	N	9	5	6	9	6	5	6	9
Turbidity (NTU)	Average	2.38	2.37	2.37	2.54	2.42	2.37	2.85	2.54
	Max	3.40	3.70	3.70	4	4.40	3.70	5.10	4
	Min	0.50	1.20	1.20	0.70	0.50	1.20	1.40	0.70
	SD	1.41	1.13	1.13	1.34	1.61	1.13	1.69	1.34
	CV(%)	0.59	0.47	0.47	0.52	0.66	0.47	0.59	0.52
	N	6	4	4	5	4	4	4	5