

**TABLEAU 1 : Localisation
des lacs et données
chimiques des eaux**

**TABLE 1: Lake locations and
water chemistry data**

Lacs N° Ech.	Lakes N° Ech.		Ballivian BA67	Ramaditas RAM6	Laguna Verde VER5	Hedionda HED4	Pujio PJ30	Puripica PUR2	Honda HON4	Chiar Kkota CHI5	Canapa CAN4
Altitude	Altitude	(m)	4130	4120	4310	4121	4110	4393	4110	4110	4140
Longitude	Longitude		68°05'	68°05'	67°48'	68°04'	68°04'	67°30'	68°04'	68°04'	68°01'
Latitude	Latitude		21°38'	31°38'	22°48'	21°34'	21°37'	22°31'	21°37'	21°35'	21°
Na	Na	(mg/l)	13600	7590	4510	20400	10000	9550	6740	20700	3590
K	K	(mg/l)	1700	1030	308	2100	1020	1720	989	2500	212
Mg	Mg	(mg/l)	605	326	262	649	210	275	140	1140	34.0
Ca	Ca	(mg/l)	1200	1370	218	521	400	465	200	1340	65.0
SO4	SO4	(mg/l)	5700	3070	2300	17900	4320	4660	2600	4080	5070
Cl	Cl	(mg/l)	22000	13900	6460	24600	14500	15300	10300	38700	2250
Si	Si	(mg/l)	25.2	41.4	28.6	27.5	26.1	20.6	31.6	34.4	31.4
B	B	(mg/l)	150	77.0	125	235	145	238	57.0	250	13.0
Li	Li	(mg/l)	25.5	11.8	36.5	122	37.0	109	47.0	176	19.5
Alcalinité	Alkalinity	(mg/l)	4.88	2.93	7.25	10	7.22	7.8	4.4	8.05	2.15
Salinité	Salinity	(mg/l)	45335	27658	14716	67099	31139	32785	21392	69439	11440
Ions majeurs	Principal ions		NaCl	Na (Ca) Cl	NaCl (SO4)	NaCl (SO4)	NaCl (SO4)	NaCl (SO4)	NaCl	NaCl	NaCl (SO4)
pH	pH		8.18	8.15	8.72	8.5	8.85	8.52	9.05	8.28	9.18
Profondeur	Depth	(cm)	30	30	100	20	100	100	20	20	15
Température	Temperature	(°C)	5	1	2	8	1	4	6	8	6
Densité	Density		1.032	1.02	1.01	1.05	1.022	1.024	1.015	1.051	1.009

Cachi Laguna	Chulluncani		Laguna Colorada		Pastos Grandes											
CL20	CHU4	CHU9	CD24	CD16	PG70	PG23	PG41	PG43	PG45	PG47	PG72		PG73	PG76	PG74	PG78
4495	4430	4430	4278	4278	4400	4400	4400	4400	4400	4400	4400		4400	4400	4400	4400
67°57'	67°53'	67°53'	67°47'	67°47'	67°47'	67°47'	67°47'	67°47'	67°47'	67°47'	67°47'		67°47'	67°47'	67°47'	67°47'
21°43'	21°32'	21°32'	22°11'	22°11'	21°39'	21°39'	21°39'	21°39'	21°39'	21°39'	21°39'		21°39'	21°39'	21°39'	21°39'
10600	30100	2320	19900	40700	4000	451	9270	4510	34000	103000	80.0		3910	4510	350	46000
2850	12800	1800	2110	4260	532	43.0	1020	500	3950	14200	16.5		399	579	48.1	5000
0.146	1900	53.0	382	914	89.9	11.0	265	132	110	3470	20.2		138	132	55.4	1200
2.49	730	200	103	260	200	24.5	360	200	1100	3100	50.9		190	200	32.7	1500
3710	26600	4360	5980	6440	265	72.0	465	250	1270	2460	105		302	305	130	2920
4540	44000	1970	29500	65000	7240	699	16700	8060	61400	194000	90.2		6750	8310	600	85900
161	21.9	18.7	32.5	45.6	36.4	38.4	31.6	17.3	20.5	31.4	37.2		58.8	32.2	30.2	34.2
143	959	147	263	612	29.9	3.49	60.0	28.4	290	944	0.995		25.5	32.0	2.92	320
54.1	22.5	2.75	86.8	196	42.5	4.80	117	52.5	500	1640	0.507		42.5	57.5	3.89	600
355	35	11.4	12.9	31.5	5.09	1.51	4.25	3.21	9.08	22.9	3.3		5.13	3.85	4.2	9.42
36285	119261	11377	59166	120357	12787	1475	28564	13961	103267	324141	644		12189	14421	1542	144099
NaCO3 (Cl)	NaCl (SO4)	NaCl (SO4)	NaCl	NaCl	NaCl	NaCl	NaCl	NaCl	NaCl	NaCl	Na (Ca) CO3 (Cl)		NaCl	NaCl	Na (Ca) Cl (CO3)	NaCl
10.38	8.8	10.2	8.52	8.4	8.42	9.35	8.52	8.05	7.4	7.2	6.95		8.15	8.35	7.85	7.91
50	15	15	20	20	20	100	20	100	100	100	20		20	20	20	20
21	5	8	10	6	5	1	4	6	5	5	10		1	10	1	10
1.029	1.087	1.008	1.04	1.081	1.009	1.001	1.02	1.01	1.073	1.211	1		1.009	1.01	1.001	1.098

Pastos Grandes

PG82	PG84	PG97	P114	P116
4400	4400	4400	4400	4400
67°47'	67°47'	67°47'	67°47'	67°47'
21°39'	21°39'	21°39'	21°39'	21°39'
41.9	77100	85.1	81000	92000
4.42	6450	12.6	9810	7390
3.21	1250	7.41	2550	2080
6.10	1650	12.5	2380	2500
14.0	3370	4.99	3240	3180
63.2	134000	150	154000	158000
15.9	33.0	22.4	16.8	31.4
0.703	404	1.08	545	520
0.347	675	1.18	1160	861
0.523	9.7	1.36	7.68	13.1
195	225344	402	255230	267366
Na (Ca) Cl (CO3)	NaCl	Na (Ca) Cl (CO3)	NaCl	NaCl
9.62	7.46	8.92	6.95	7.5
20	100	20	100	100
10	15	10	10	7
1	1.147	1	1.167	1.171