

附录 1 青藏高原 4 类典型湖泊的水化学特征

Appendix 1 Four typically hydrochemical characteristic lakes in the Qinghai-Tibet Plateau

类型 Type	湖泊名称 Lake name	采样记录 Sampling record					离子检测指标 Ion index (mg/L)								总氮 Total nitrogen (mg/L)	总磷 Total phosphorus (mg/L)	总碳 Total carbohy- drate (mg/L)	pH
		东经 East longitude	北纬 North latitude	海拔 Altitude (m)	温度 Temperature (°C)	总盐 Total salinity	Na <sup>+</sup>	K <sup>+</sup>	Ca <sup>2+</sup>	Mg <sup>2+</sup>	Cl <sup>-</sup>	SO <sub>4</sub> <sup>2-</sup>	CO <sub>3</sub> <sup>2-</sup>	HCO <sub>3</sub> <sup>-</sup>				
硫酸钠亚型 Na <sub>2</sub> SO <sub>4</sub> subtype group	佩枯措 Peikü Co (Pk)	85°30'	28°47'	4,561	16.1	2.80	268.24	113.33	109.96	375.45	52.50	97.21	529.35	1,061.96	109.88	0.39	14.68	9.11
	措戛龙 Cocholong Lake (Cc)	85°23'	29°08'	4,589	28.9	160.90	13,996	66,091	2,463.94	20,858.01	1,601.25	12,428.25	2,898.26	2,240.11	159.33	0.88	204.70	8.52
	达瓦措 Dawa Co (Dw)	85°01'	31°13'	4,611	13.6	27.33	8,079	722	116.19	915.39	2,928.33	11,268.18	877.62	1,190.23	88.15	3.82	4.82	9.06
	扎日南木措 Zhari Nam Co (Zr)	85°32'	31°01'	4,579	15.1	14.23	6,766	580	100.03	248.45	1,633.33	1,658.52	1,640.62	1,974.39	90.38	0.23	6.35	9.29
	尕海 Gahai Lake (Ga)	97°35'	37°07'	2,802	27.1	104.10	26,516	536	594.65	11,783.99	40,459.38	13,090.02	814.99	0.00	72.63	0.12	7.46	8.09
	希里沟湖 Xiligou Lake (Xl)	98°27'	36°48'	2,916	15.2	6.47	221.64	9.22	224.15	46.36	434.58	3,912.01	38.98	246.80	87.43	13.85	2.72	7.71
	青海湖 Qinghai Lake (Q)	99°47'	36°44'	3,065	13.2	13.04	3,642	364	112.03	717.58	5,306.67	2,345.49	324.23	113.38	46.78	0.76	4.74	8.88
	哈拉湖 Har Lake (Ha)	97°36'	38°11'	4,036	13.3	15.81	4528.24	921.03	422.58	316.61	5,878.33	903.98	354.34	880.01	58.70	0.26	4.75	8.72
硫酸镁亚型 MgSO <sub>4</sub> subtype group	东达布逊湖 Dabsan Lake (Db)	95°14'	37°01'	2,626	28.7	308.93	61,433	7,494	181.83	32,175.22	200,073.33	4,879.19	156.20	0.00	110.68	0.26	20.24	6.87
	东台吉乃尔湖 Dong Taijinar Lake (Dt)	93°47'	37°36'	2,627	21.9	36.83	10,726.6	303.33	137.39	597.90	17,870.50	1,752.29	171.86	0.00	37.25	0.54	4.65	7.94
	德宗马海湖 Dezong Mahai Lake (Zm)	94°19'	38°14'	2,686	27.3	397.20	16,250	23,160	346.03	79,382.81	218,419.58	13,927.19	3,424.74	0.00	80.15	0.29	69.71	6.94
	茫崖翡翠湖 Mangnai Lake (My)	90°59'	38°05'	2,806	22.1	457.03	108,984	28,564	814.90	78,895.65	172,254.58	28,875.44	6,796.53	0.00	104.83	0.38	7.65	6.43
	茶卡盐湖 Caka Lake (C)	99°04'	36°45'	3,017	21.2	367.50	80,790	4,120	505.49	26,406.57	189,733.33	23,165.00	678.78	0.00	90.80	0.51	33.38	6.97
	柯柯盐湖 Keke Lake (K)	98°15'	36°58'	2,897	26.2	361.67	81,954	6,775	251.73	30,907.94	189,202.50	37,044.56	1,335.88	0.00	93.50	0.13	103.90	6.62
	大柴旦盐湖 Da Qaidam Lake (D)	95°13'	37°50'	3,164	6.5	351.00	102,912	5,080	561.30	16,254.51	176,959.58	27,340.53	1,722.12	0.00	98.93	0.32	30.76	6.97
	小柴旦盐湖 Xiao Qaidam Lake (X)	95°32'	37°28'	3,128	19.3	102.62	32,091.0	589.00	463.00	1,694.00	40,375.00	22,021.00	132.00	0.00	71.93	0.42	7.80	7.68
氯化物型 Chloride type group	霍布逊盐场 Hulsan Saltern (Hs)	95°26'	36°52'	2,634	25.7	486.27	98,058	1,975	365.71	43,498.92	308,676.42	3,113.56	1,070.12	0.00	160.73	0.27	0.76	5.81
	霍布逊湖 Hulsan Lake (Hl)	95°49'	36°49'	2,621	24.9	400.93	79,037	1,643	245.32	40,807.44	256,776.42	2,909.81	735.27	0.00	125.65	0.71	4.39	6.23
	察尔汗湖 Qarhan Lake (Ql)	95°19'	36°15'	2,626	25.3	60.27	7,704	2,368	396.43	5,990.26	33,500	1,020.35	512.03	48.21	144.55	3.01	2.89	7.88
	察尔汗盐场 Qarhan Saltern (Qs)	95°19'	36°51'	2,630	28.1	469.90	5,398	16,187	157.52	80,158.50	280,895.42	6,418.19	1,420.92	0.00	115.75	0.42	8.22	6.25
	昆特依盐场 Kunteyi Saltern (Ks)	92°48'	38°55'	2,668	18.8	355.50	52,037	12,853	242.19	36,944.61	228,856.08	1,494.59	178.94	0.00	88.83	4.23	0.95	6.66
	巴伦马海湖 Baluanmahai Lake (Bl)	94°12'	38°00'	2,694	15.6	309.30	81,871	3,133	416.90	10,918.73	185,785.75	2,589.19	317.92	0.00	110.38	0.17	46.15	6.22
	牛郎织女湖 Niulangzhinu Saltern (Ns)	93°36'	38°32'	2,676	22.0	370.80	39,121	2,216	263.73	52,360.11	251,184.17	377.25	148.82	0.00	128.85	0.32	1.94	6.58
碳酸盐型 Na <sub>2</sub> CO <sub>3</sub> type group	公珠措 Kunggyü Co (Gz)	82°9'	30°39'	4,767	15.2	7.13	1,387	297	147.81	108.27	971.67	52.04	1,294.18	2,057.26	60.65	10.04	0.19	9.14
	达则措 Dagzê Co (Dz)	87°32'	31°49'	4,449	12.8	21.00	6,316	550	87.14	89.74	1,328.75	4,126.68	4,095.34	4,080.04	62.30	1.73	210.70	9.52
	扎布耶湖 Zabuye Lake (Zb)	84°02'	31°18'	4,379	19.3	357.23	126,850	23,187	28.21	45.83	141,942.08	3,223.90	23,979.39	20,608.12	103.25	53.91	7.10	9.55
	错纳措 Chali Co (Cn)	82°19'	31°34'	4,783	13.8	36.50	13,266	595	93.30	41.34	6,601.42	7,102.26	2,618.61	2,421.15	62.48	14.04	4.37	9.13
	当惹雍措 Dangre Yumco (Dr)	86°39'	31°22'	4,513	14.2	8.97	4,342	358	98.65	169.25	653.75	997.58	542.35	632.16	61.30	1.67	8.88	9.23
	巴木措 Bam Co (B)	90°33'	31°08'	4,541	10.4	11.73	6,079	509	97.00	110.93	1,417.50	1,050.69	536.66	879.35	65.95	3.48	3.61	9.43
	昂拉仁措 Ngangla Ringco (Al)	83°22'	31°26'	4,684	12.9	18.60	5,871	649	99.75	328.50	2,61.25	1,934.74	1,379.89	1,858.11	63.30	8.66	7.14	9.12
	色林措 Siling Co (S)	88°45'	31°41'	4,530	13.8	10.95	5,808	175.74	108.02	138.96	2,110.01	1,197.53	216.66	500.49	70.48	0.17	10.07	9.18
麦穷措 Mèrqung Co (Mq)	84°30'	31°10'	4,640	20.8	10.60	699.74	110.03	143.72	69.75	3,158.75	2,409.33	1,785.90	1,254.71	81.30	4.76	3.72	8.87	