

Table S2 Physico-chemical characteristics of the sediments of Dianchi Lake

Sample	Water content	Temperature (°C)	pH	TOC (mg/g)	NH ₃ -N (mg/g)	NO ₃ ⁻ -N (mg/g)	NO ₂ ⁻ -N (mg/g)
Caohai(Mar.)	82.3%	15.8	6.2	514.8	49.0	625.3	2.4
Caohai(Jun.)	91.5%	22.9	6.2	1428.4	90.0	441.4	2.3
Caohai(Sept.)	91.4%	21.8	6.4	9932.3	178.9	1113.2	7.7
Caohai(Dec.)	88.1%	10.6	6.4	10915.0	389.2	1732.1	16.6
Waihai(Mar.)	63.8%	15.5	6.2	350.0	58.6	1095.3	1.1
Waihai (Jun.)	79.1%	22.3	6.4	450.5	118.7	568.2	0.6
Waihai (Sep.)	86.7%	21.6	6.4	575.4	143.0	1291.4	10.9
Waihai (Dec.)	65.0%	10.5	6.2	965.5	359.0	2795.2	12.2