

**Nishimura *et al.*, 2014. Does the plankton community follow the horizontal water quality heterogeneity in a tropical urban reservoir (Guarapiranga reservoir, São Paulo, Brazil)?.**  
**Limnetica 33 (2), 2014: 263-280**

**SUPPLEMENTARY INFORMATION**

**Table S1.** Physical, chemical and biological characteristics at the nine sampled stations along the longitudinal axis of the Guarapiranga reservoir. Zmax: maximum depth, Zeu: euphotic depth, T: temperature, DO: dissolved oxygen, Sat: oxygen saturation, EC: electric conductivity, SRSi: soluble reactive silica, TIN: total inorganic nitrogen, SRP: phosphate, TN: total nitrogen, TP: total phosphorous, N:P: nitrogen and phosphorous molar ratio; TS: total solids, TSS: total suspended solids, OSS: organic suspended solids, ISS: inorganic suspended solids, Chl a: chlorophyll-a, Phaeo: phaeophytin, TSI: trophic state index (M: mesotrophic, E: eutrophic), Phyto: phytoplankton biomass, Zoo: zooplankton density.  
*Características físicas, químicas y biológicas en las nueve estaciones de muestreo a lo largo del eje longitudinal de embalse Guarapiranga. Zmax: profundidad máxima, Zeu: profundidad de la zona eufótica, T: temperatura, DO: Oxígeno disuelto, Sat: porcentaje de saturación de oxígeno, EC: conductividad eléctrica, SRSi: silica reactiva soluble, TIN: nitrógeno inorgánico total, SRP: fósforo reactivo soluble, TN: nitrógeno total, TP: fósforo total, N:P: razón molar de nitrógeno y fósforo; TS: sólidos totales, TSS: sólidos totales en suspensión, OSS: sólidos orgánicos en suspensión, ISS: sólidos inorgánicos en suspensión, Chl a: clorofila-a, Phaeo: feofitina, TSI: índice de estado trófico (M: mesotrófico, E: eutrófico), Phyto: biomasa del fitoplancton, Zoo: densidad del zooplancton.*

Variable (unit)	EG1	EG2	EG3	P1	P2	EM	C2	C1	Dam
Zmax (m)	4.9	3.0	6.7	3.4	5.4	4.7	8.0	9.2	7.8
Zeu (m)	2.2	3.0	3.4	2.3	2.8	2.3	2.7	2.8	2.9
T (°C)	21.4	21.4	21.3	21.2	20.9	22.2	21.3	21.6	21.9
DO (mg/l)	7.0	7.6	8.2	5.9	6.0	8.5	8.0	8.3	9.0
Sat (%)	79.8	86.5	93.5	65.6	67.2	98.1	90.7	92.9	103.7
pH	7.0	7.1	7.2	7.0	6.9	7.5	7.3	7.4	7.3
EC (µS/cm)	39	69	78	118	110	117	108	110	111
SRSi (mg/l)	2.0	1.3	0.7	0.7	0.6	0.9	0.8	0.7	0.7
TIN (µg/l)	201.6	423.3	629.9	1573.6	1359.0	1339.6	1336.8	1063.7	1399.1
SRP (µg/l)	<10	<10	<10	<10	<10	<10	<10	<10	<10
TN (µg/l)	599.5	910.7	971.6	2023.9	1846.2	1772.7	2042.9	1564.3	1482.5
TP (µg/l)	31.3	25.2	30.8	96.1	84.2	79.4	63.8	57.7	54.9
N:P	9	16	14	10	10	10	14	12	12
TS (mg/l)	50.5	43.0	69.5	71.5	81.5	76.5	71.5	66.5	71.5
TSS (mg/l)	6.4	4.1	4.8	6.8	9.4	6.2	6.5	6.0	4.8
OSS (mg/l)	3.4	3.2	3.2	5.2	4.7	5.2	5.7	5.2	4.5
ISS (mg/l)	3.0	0.9	1.5	1.6	4.7	1.0	0.8	0.8	0.3
Chl a (µg/l)	11.8	14.0	18.9	25.4	14.2	19.4	24.4	23.7	20.4

Phaeo ( $\mu\text{g/l}^1$ )	1.4	2.8	4.1	3.9	3.7	2.8	1.3	6.2	3.7
TSI	57 (M)	57 (M)	58 (M)	62 (E)	61 (E)	61 (E)	61 (E)	61 (E)	60 (E)
Phyto (mg/l)	7.8	20.3	46.5	45.5	56.4	41.2	28.1	19.1	94.8
Zoo (org/l)	77.5	150.1	281.5	581.4	550.3	229.6	253.8	259.9	1241.6

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