Supplementary Material

Table 1 – List of phytoplankton taxa and representative taxonomic groups observed in the Camorim Reservoir between 2017-2018.

Taxonomic group	Species	Volume	MLD	SV^{-1}	Size class	Life form	Tox.	Si	Muc.	Flag.	Aer.	Heter.
Cyanobacteria	*Aphanocapsa elachista*	78.0	49.4	3.3	II	Colonial	1	0	1	0	0	0
	Aphanocapsa sp.	167.5	14.2	2.6	I	Colonial	1	0	1	0	0	0
	Aphanotece minutissima	98.9	13.72	6.7	I	Colonial	0	0	1	0	0	0
	Chrooccocus minor	2.4	1.33	4.5	I	Unicellular	0	0	1	0	0	0
	Chroococcus minutus	33.0	5.94	1.9	I	Unicellular	0	0	1	0	0	0
	Jaaginema metaphyticum	510.6	110.1	1.8	III	Filamentous	0	0	0	0	0	0
	Planktolyngbya subtilis	65.9	16.9	3.1	I	Filamentous	1	0	1	0	0	0
	Pseudoanabaena limnetica	520.1	134.3	2.1	III	Filamentous	0	0	0	0	0	0
	Raphidiopsis raciborskii	934.8	156.2	1.6	III	Filamentous	1	0	0	0	1	1
	Cyanobacteria sp.1	77.4	48.59	3.2	II	Colonial	0	0	1	0	0	0
	Cyanobacteria sp. 2	79.6	15.83	2.6	I	Colonial	0	0	1	0	0	0
	Cyanobacteria sp. 3	29.1	15.51	3.1	I	Colonial	0	0	1	0	0	0
Chlorophyceae	*Actinastrum sp.*	292.1	46.5	2.2	II	Cenobium	0	0	0	0	0	0
	Acutodesmus acuminatus	75.9	28.3	3.0	II	Cenobium	0	0	0	0	0	0
	Chlorella minutissima	6.2	2.2	2.6	I	Unicellular	0	0	0	0	0	0
	Chlorella sp.	69.4	5.1	1.1	I	Unicellular	0	0	0	0	0	0
	Closteriopsis sp.	83.6	73.5	5.7	III	Unicellular	0	0	0	0	0	0
	Coelastrum astroideum	575.7	14.0	1.0	I	Cenobium	0	0	0	0	0	0
	Coelastrum indicum	2287.0	34.9	0.8	II	Cenobium	0	0	0	0	0	0
	Desmodesmus armatus var. bicaudatus	91.9	46.6	2.1	II	Cenobium	0	0	0	0	0	0
	Desmodesmus protuberans	160.7	43.0	1.6	II	Cenobium	0	0	0	0	0	0
	Dictyosphaerium sp.	1734.3	29.5	0.9	II	Colonial	0	0	0	0	0	0
	Eudorina sp.	1469.8	26.1	0.8	II	Colonial	0	0	1	1	0	0

Taxonomic group	Species	Volume	MLD	SV^{-1}	Size class	Life form	Tox.	Si	Muc.	Flag.	Aer.	Heter.
Chlorophyceae	*Golenkinia cf. radiata*	256.2	46.5	0.7	II	Unicellular	0	0	0	0	0	0
	Golenkiniopsis solitaria	480.8	22.0	0.6	II	Unicellular	0	0	0	0	0	0
	Kirchneriella sp.	12.2	10.0	3.9	I	Colonial	0	0	1	0	0	0
	Lagerheimia sp.	2712.5	42.4	0.4	II	Unicellular	0	0	0	0	0	0
	Micractinium pussillum	169.4	8.7	1.4	I	Colonial	0	0	0	0	0	0
	Monoraphidium arcuatum	22.1	25.8	3.3	II	Unicellular	0	0	0	0	0	0
	Monoraphidium circinale	18.6	9.2	2.1	I	Unicellular	0	0	0	0	0	0
	Monoraphidium contortum	7.1	14.6	4.3	I	Unicellular	0	0	0	0	0	0
	Monoraphidium griffithii	61.9	47.5	2.6	II	Unicellular	0	0	0	0	0	0
	Monoraphidium minutum	9.1	12.8	3.6	I	Unicellular	0	0	0	0	0	0
	Monoraphidium nanum	10.0	9.3	2.9	I	Unicellular	0	0	0	0	0	0
	cf. Oocystis sp.	850.7	20.8	2.4	II	Colonial	0	0	1	0	0	0
	cf. Radiococus sp.	266.7	9.1	1.3	I	Colonial	0	0	1	0	0	0
	Tetraedrom sp.	28.0	6.1	2.7	I	Unicellular	0	0	0	0	0	0
	Chlorophyceae sp. 1	821.7	6.8	0.8	I	Unicellular	0	0	0	0	0	0
	Chlorophyceae sp. 2	172.3	9.8	2.1	I	Colonial	0	0	1	0	0	0
Bacillarophyceae	*Aulacoseira ambigua*	3243.2	89.2	0.7	III	Filamentous	0	1	0	0	0	0
	Centrophycidae sp. 1	974.1	12.1	0.5	I	Unicellular	0	1	0	0	0	0
	Centrophycidae sp. 2	5852.1	21.0	0.3	II	Unicellular	0	1	0	0	0	0
	Centrophycidae sp. 3	1320.0	14.1	0.5	I	Unicellular	0	1	0	0	0	0
	Pennatophycidae sp. 1	5748.1	52.1	0.3	III	Unicellular	0	1	0	0	0	0
	Nitzschia sp. 1	205.4	35.4	5.2	II	Unicellular	0	1	0	0	0	0
	Synedra sp. 1	351.5	71.9	1.8	III	Unicellular	0	1	0	0	0	0
	Synedra sp. 2	311.40	67.1	2.0	III	Unicellular	0	1	0	0	0	0
Cryptopheceae	Cryptophyceae sp. 1	117.20	9.0	1.3	I	Unicellular	0	0	0	1	0	0
	Cryptophyceae sp. 2	154.63	11.20	1.11	I	Unicellular	0	0	0	1	0	0
	Cryptophyceae sp. 3	254.86	12.10	0.99	I	Unicellular	0	0	0	1	0	0
	Cryptophyceae sp. 4	911.8	17.8	0.6	I	Unicellular	0	0	0	1	0	0

Taxonomic group	Species	Volume	MLD	SV^{-1}	Size class	Life form	Tox.	Si	Muc.	Flag.	Aer.	Heter.
Cryptopheceae	Cryptophyceae sp. 5	168.7	8.9	1.3	I	Unicellular	0	0	0	1	0	0
	Cryptophyceae sp. 6	624.0	14.7	0.8	I	Unicellular	0	0	0	1	0	0
	Cryptophyceae sp. 7	838.6	17.5	0.6	I	Unicellular	0	0	0	1	0	0
	Cryptophyceae sp. 8	915.7	17.9	0.6	I	Unicellular	0	0	0	1	0	0
	Cryptophyceae sp. 9	1224.3	20.5	0.5	II	Unicellular	0	0	0	1	0	0
	Cryptophyceae sp. 10	515.1	13.6	0.8	I	Unicellular	0	0	0	1	0	0
	Cryptophyceae sp. 11	697.0	13.7	0.9	I	Unicellular	0	0	0	0	1	0
Dinophyceae	*cf. Gymnodinium* sp.	6535.6	30.2	0.3	II	Unicellular	0	0	0	0	1	0
	Peridinium cf. cinctum	31430.6	41.5	0.5	II	Unicellular	0	0	0	0	1	0
	Peridinium umbonatum	5776.5	22.6	2.8	II	Unicellular	0	0	0	0	1	0
Euglenophyceae	*Trachelomonas cf. intermedia var intermedia*	1528.3	14.6	3.2	I	Unicellular	0	0	0	0	1	0
	Trachelomonas sp. 1	2401.0	18.2	0.9	I	Unicellular	0	0	0	0	1	0
	Trachelomonas sp. 2	1792.5	15.2	5.6	I	Unicellular	0	0	0	0	1	0
Zygnematophyceae	*Cosmarium sphagnicola*	68.9	12.2	0.6	I	Unicellular	0	0	0	0	0	0
	Cosmarium tumidum var. tumidum f. minus	40.6	13.9	0.6	I	Unicellular	0	0	0	0	0	0
	Cosmarium cf. *contractum var minutum*	201.4	12.8	0.6	I	Unicellular	0	0	0	0	0	0
	Cosmarium sp.	135.6	11.1	0.6	I	Unicellular	0	0	0	0	0	0
	Mougeotia sp.	614.9	113.5	1.5	III	Filamentous	0	0	0	0	0	0
	Staurastrum cf. *tetracerum*	1347.3	78.2	1.0	III	Unicellular	0	0	0	0	0	0
	Staurastrum sp. 1	1437.2	29.4	0.9	II	Unicellular	0	0	0	0	0	0
	Staurastrum sp. 2	1377.9	38.3	0.9	II	Unicellular	0	0	0	0	0	0
	Staurastrum sp. 3	600.1	18.6	1.4	I	Unicellular	0	0	0	0	0	0

Legend: The numbers indicate the presence (1) or absence (0) of functional trait. Abbreviations: **MLD** = maximal linear dimension; **SV^{-1}** = surface-volume ratio; **Tox.** = Toxins; **Si** = Silica; **Muc.** = Mucilage; **Flag.** = Flagella; **Aer.** = Aerotopes; **Heter**. = Heterocyte.

Table 2 – List of zooplankton taxa and representative taxonomic groups and functional groups observed in the Camorim Reservoir between 2017-2018.

Taxonomic group	Species	Body size mean (µm)	Dried weight mean (µg C)	Trophic group	Feeding type	Reproduction
Rotifera	*Aplanchna* sp.	141.26	0.055	Omnivorous	Raptorial	Asexual
	Brachionus calyciflorus	116.52	0.013	Omnivorous	Microphagus filter feeders	Asexual
	Brachionus falcatus	115.04	0.011	Omnivorous	Microphagus filter feeders	Asexual
	Brachionus havanaensis	130.54	0.015	Omnivorous	Microphagus filter feeders	Asexual
	Dicranophorus sp	82.13	0.002	Carnivorous	Raptorial	Asexual
	Filinia novaezelandiae	126.58	0.013	Omnivorous	Microphagus filter feeders	Asexual
	Keratella americana	96.99	0.002	Herbivorous	Microphagus filter feeders	Asexual
	Trichocera cf *mus*	109.76	0.011	Herbivorous	Raptorial	Asexual
Cladocera	*Diaphanosoma* sp	705.70	2.990	Herbivorous	Stationnary filter feeders	Asexual
	Macrothrix sp.	631.50	3.500	Herbivorous	Stationnary filter feeders	Asexual
	Thermocyclops sp. - nauplii	130.95	0.87	Omnivorous	Microphagus filter feeders	Sexual
Copepoda	*Thermocyclops* sp. - adult	418.75	3.270	Omnivorous	Raptorial	Sexual

Legend: **µm** = micrometro; **µg** = microgramа; **C** = carbono