Supplementary material

Title

Pelagial zooplankton community in a newly established reservoir during and after the impoundment of a hydropower dam.

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Table S1. Results of SIMPER analysis applied on Bray-Curtis similarity matrix of zooplankton presence/absence data concerning the similarity of groups

	Average similarity	Most contributing taxa to similarity	Contribution up to 20%
Group A	67.39	*Asplanchna priodonta*	5.78
		Bdelloidea	5.78
		Keratella cochlearis	5.78
		Keratella tecta	5.78
Group B		less than 2 samples in the group	
Group C	62.92	*Bosmina longirostris*	6.21
		Daphnia cucullata	6.21
		Eudiaptomus padanus etruscus	6.21
		Mesocyclops leuckarti leuckarti	6.21
Group D	67.97	*Filinia terminalis*	7.06
		Kellicottia longispina	7.06
		Polyarthra luminosa	7.06
Group E	60.59	*Kellicottia longispina*	9.63
		Keratella cochlearis	9.63
		Polyarthra major	9.63

Table S2. Results of SIMPER analysis applied on Bray-Curtis similarity matrix of presence/absence data concerning the dissimilarity of groups

	Average dissimilarity	Most contributing taxa to dissimilarity	Contribution up to 20%
Group A-B	52.98	*Dicranophoroides caudatus*	4.14
		Keratella tecta	4.14
		Lecane closterocerca	4.14
		Lepadella rhomboides	4.14
		Notholca squamula	4.14
Group A-C	49.12	*Mesocyclops leuckarti leuckarti*	3.98
		Cyclops abyssorum group	3.58
		Lepadella rhomboides	3.55
		Hexarthra mira	2.93
		Lecane hamata	2.9
		Keratella quadrata	2.7
Group A-D	57.68	*Filinia terminalis*	3.73
		Kellicottia longispina	3.73
		Lecane closterocerca	3.73
		Ceriodaphnia reticulata	3.73
		Conochilus unicornis	3.31
		Mesocyclops leuckarti leuckarti	3.26
Group A-E	63.89	*Kellicottia longispina*	3.66
		Lecane closterocerca	3.66
		Pompholyx complanata	3.66
		Ceriodaphnia reticulata	3.66
		Chydorus spaericus	3.66
		Daphnia pulicaria	3.66
Group B-C	47.32	*Brachionus angularis*	4.64
		Dicranophoroides caudatus	4.64
		Notholca squamula	4.64
		Ostracoda	4.64
		Ceriodaphnia reticulata	4.25
Group B-D	55.42	*Brachionus angularis*	4.42
		Cephalodella gibba	4.42
		Dicranophoroides caudatus	4.42
		Filinia terminalis	4.42
		Kellicottia longispina	4.42
Group B-E	54.05	*Kellicottia longispina*	4.98
		Lophocharis salpina	4.98
		Polyarthra major	4.98
		Synchaeta spp.	4.98
		Chydorus spaericus	4.98
Group C-D	47.14	*Ceriodaphnia reticulata*	4.19
		Cyclops abyssorum group	4.11
		Lepadella rhomboides	4.08
		Polyarthra dolicoptera	3.52
		Kellicottia longispina	3.32
		Lecane flexilis	3.05
Group C-E	61.53	*Polyarthra major*	3.49
		Ceriodaphnia reticulata	3.49
		Cyclops abyssorum group	3.43
		Polyarthra luminosa	3.07
		Filinia longiseta	3.06
		Pompholyx complanata	3.05
		Acanthocyclops robustus group	2.89
Group D-E	48.58	*Polyarthra luminosa*	5.43
		Pompholyx complanata	5.43
		Polyarhtra major	4.81
		Acanthocyclops robustus group	3.68
		Brachionus angularis	3.19

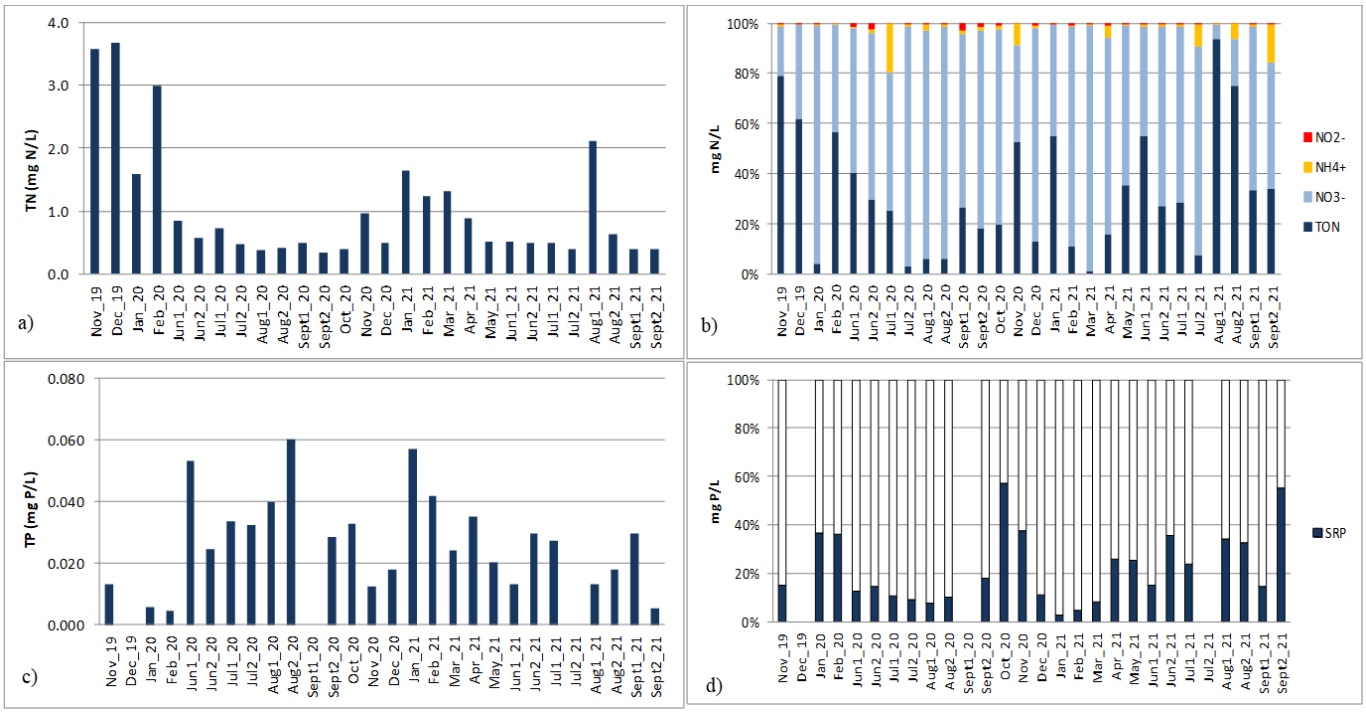

Figure S1. **a**) Concentration of total nitrogen (mg N/L) and **b**) relative contribution of nitrogen species (%), **c**) concentration of total phosphorus (mg P/L) and **d**) relative contribution of soluble reactive phosphorus (%) to TP in Moglicë Reservoir during November 2019- September 2021.