

Supplementary Materials: Table S1: Sampling sites and their characteristics; Table S2: Detected pressures at sampling sites and water quality classes according to the Water Pollution Index (WPI) value; Table S3: Taxa list and frequencies of species in four clusters of species assemblages.

Table S1. Sampling sites and their characteristics.

Sites	Coordinates	Alt	WBT	FV	Bottom substrate	Bm	Av
1. Savsko jezero	N 44.786617 E 20.397291	70	Reservoir	-	Coarse	Embankment	low
2. Bela reka	N 44.653785 E 20.460893	202	Reservoir	-	Large, cohesive	Embankment	low
3. Duboki potok	N 44.585256 E 20.436488	157	Reservoir	-	Coarse, fine	Embankment	low
4. Pariguz	N 44.706749 E 20.461182	131	Reservoir	-	Coarse, cohesive	Embankment	medium
5. Galovica	N 44.769287 E 20.344667	70	Canal	-	Cohesive, organic	Riprap, Concrete wall	medium
6. Kalovita	N 44.854172 E 20.556216	70	Canal	-	Cohesive, organic	Embankment	high
7. Karaš	N 45.083448 E 20.353356	74	Canal	-	Concrete	Concrete wall	low
8. Obrenovački kanal	N 44.657590 E 20.223684	70	Canal	-	Cohesive, organic	Embankment	low
9. PKB	N 44.921915 E 20.361457	71	Canal	-	Cohesive, organic	Riprap	High
10. Progarska Jarčina	N 44.719060 E 20.148082	71	Canal	-	Cohesive, organic	Riprap	high
11. Vizelj	N 44.853984 E 20.446842	69	Canal	-	Cohesive, organic	Embankment	medium
12. Sibnica	N 44.867080 E 20.592297	72	Canal	-	Cohesive, organic	Embankment	medium
13. Danube	N 44.769114 E 20.619469	66	Non-wadeable river	+	Fine, cohesive	Embankment	low
14. Sava	N 44.772317 E 20.359821	71	Non-wadeable river	+	Fine, cohesive	Embankment	low
15. Kolubara	N 44.653359 E 20.217616	70	Non-wadeable river	+	Large, fine, cohesive	Embankment	low
16. Barajevska reka	N 44.554289 E 20.394910	114	Wadeable river	+	Cohesive, Organic	Embankment, Concrete wall	High

17. Barička reka	N 44.648301 E 20.261449	83	Wadeable river	+	Concrete	Concrete	low
18. Beljanica	N 44.494263 E 20.293189	88	Wadeable river	+	Large, coarse	Embankment	medium
19. Peštan	N 44.416296 E 20.275762	89	Wadeable river	+	Large, coarse, fine	Embankment	low
20. Ralja	N 44.585859 E 20.819978	109	Wadeable river	+	Large, coarse	Embankment	low
21. Topčiderska reka	N 44.781192 E 20.437845	77	Wadeable river	+	Large, coarse	Embankment	low
22. Turija	N 44.483158 E 20.289680	89	Wadeable river	-	Cohesive, Organic	Embankment	high

Alt – Altitude (m a.s.l.), WBT – water body type, FV – Flow velocity, Bm – Bank modification, Av – Aquatic vegetation; Bottom supstrate: Large – boulders and cobbles, Coarse – pebble and gravel, Fine – sand, Cohesive – silt and clay, Organic – peat.

Table S2. Detected pressures at sampling sites and water quality classes according to the Water Pollution Index (WPI) value.

Sites	Pressures				WPI	
	Communal	Industry	Agriculture	Recreation	value	class
1. Savsko jezero	low	-	-	high	0.77	II
2. Bela reka	low	-	-	low	0.86	II
3. Duboki potok	medium	-	medium	-	0.79	II
4. Pariguz	medium	-	medium	medium	0.94	II
5. Galovica	medium	-	high	-	1.62	III
6. Kalovita	high	medium	low	-	2.25	IV
7. Karaš	low	-	high	-	0.75	II
8. Obrenovački kanal	high	-	medium	-	1.37	III
9. PKB	-	-	high	-	1.34	III
10. Progarska Jarčina	-	-	high	-	0.91	II
11. Vizelj	high	-	medium	-	0.66	II
12. Sibnica	high	-	high	-	1.42	III
13. Danube	high	medium	medium	-	1.83	III
14. Sava	high	medium	low	low	0.84	II
15. Kolubara	medium	low	high	-	1.46	III
16. Barajevska reka	medium	-	high	-	6.20	VI
17. Barička reka	high	medium	medium	-	16.54	VI
18. Beljanica	-	medium	high	-	1.08	III
19. Peštan	low	medium	medium	-	1.83	III
20. Ralja	low	-	medium	-	2.05	IV
21. Topčiderska reka	high	high	-	-	5.46	V
22. Turija	low	high	medium	-	1.88	III

Table S3. Taxa list and frequencies of species in four clusters of species assemblages.

Taxa list	Cluster			
	A	B	C	D
<i>Psectrocladius</i> sp.	0.50	.	.	.
<i>Nanocladius rectinervis</i> (Kieffer, 1911)	0.50	.	0.20	.
<i>Conchapelopia</i> agg.	1.00	0.50	0.20	0.14
<i>Rheocricotopus</i> sp.	0.75	.	.	0.14
<i>Rheocricotopus fuscipes</i> (Kieffer, 1909)	0.50	0.17	.	.
<i>Eukiefferiella claripennis</i> (Lundbeck, 1898)	0.25	.	.	.
<i>Heterotrissocladius</i> sp.	0.25	.	.	.
<i>Polypedilum tritum</i> (Walker, 1856)	0.25	.	.	.
<i>Polypedilum convictum</i> (Walker, 1856)	0.50	.	.	.
<i>Procladius</i> sp.	1.00	0.83	0.40	0.14
<i>Thienemanniella</i> sp.	0.75	0.17	.	0.14
<i>Apsectrotanypus trifascipennis</i> Zetterstedt, 1838	0.25	.	.	.
<i>Tvetenia calvescens</i> agg.	0.25	.	.	.
<i>Parametriocnemus stylatus</i> (Spaerck, 1923)	0.25	.	.	.
<i>Tanypus kraatzi</i> (Kieffer, 1912)	0.25	.	.	.
<i>Cryptotendipes</i> sp.	.	0.33	.	.
<i>Microchironomus tener</i> (Kieffer, 1918)	.	0.67	.	0.14
<i>Polypedilum</i> gr. <i>scalaenum</i>	0.75	0.83	0.60	.
<i>Harnischia fuscimana</i> complex	.	0.33	.	.
<i>Dicrotendipes pulsus</i> (Walker, 1856)	.	.	0.40	0.14
<i>Glyptotendipes paripes</i> (Edwards, 1929)	.	.	0.40	.
<i>Polypedilum nubeculosum</i> (Meigen, 1804)	.	.	0.20	.
<i>Kiefferulus tendipediformis</i> (Goetghebuer, 1921)	.	.	0.20	.
<i>Polypedilum albicorne</i> (Meigen, 1838)	.	0.17	0.40	.
<i>Glyptotendipes pallens</i> agg.	.	.	0.20	0.43
<i>Xenopelopia</i> sp.	.	.	.	0.29
<i>Monopelopia tenuicalcar</i> (Kieffer, 1918)	0.25	0.33	0.20	0.86
<i>Paracladopelma</i> sp.	.	.	.	0.29
<i>Endochironomus albipennis</i> (Meigen, 1830)	.	0.17	.	0.43
<i>Paratendipes</i> gr. <i>albimanus</i>	0.25	0.33	0.20	.
<i>Polypedilum cultellatum</i> Goetghebuer, 1931	.	0.17	.	.
<i>Rheotanytarsus</i> spp.	0.50	0.50	.	.
<i>Rheocricotopus chalybeatus</i> (Edwards, 1929)	0.25	0.17	.	.
<i>Synorthocladius semivirens</i> (Kieffer, 1909)	.	0.17	.	.
<i>Virgatanytarsus</i> sp.	.	.	.	0.14
<i>Tanytarsus</i> sp.	0.50	0.67	0.40	0.29
<i>Psectrotanypus</i> sp.	.	0.17	.	0.14
<i>Polypedilum pedestre</i> (Meigen, 1830)	0.25	.	.	0.14
<i>Polypedilum nubifer</i> Skuse, 1889	.	0.50	0.40	0.43
<i>Polypedilum sordens</i> (van der Wulp 1874)	.	.	.	0.14
<i>Psectrocladius</i> gr. <i>sordidellus/limbatellus</i>	.	0.17	.	.
<i>Prodiamesa olivacea</i> (Meigen, 1818)	0.25	0.17	.	.

<i>Parachironomus gracilior</i> (Kieffer, 1918)	.	0.17	0.60	0.29
<i>Cladotanytarsus</i> sp.	.	0.33	0.20	.
<i>Cladopelma</i> gr. <i>viridula</i>	.	0.17	.	0.14
<i>Cladopelma</i> gr. <i>goetghebueri</i>	.	.	0.20	0.14
<i>Cricotopus bicinctus</i> (Meigen, 1818)	0.50	0.50	.	0.29
<i>Corynoneura coronata</i> Edwards, 1924	0.25	.	.	0.14
<i>Brillia longifurca</i> Kieffer 1921	.	0.17	.	.
<i>Anatopynia plumipes</i> (Fries, 1823)	.	0.17	0.20	.
<i>Ablabesmyia</i> gr. <i>monilis</i>	.	0.17	0.20	0.29
<i>Chironomus plumosus</i> agg.	0.25	0.50	0.20	0.57
<i>Chironomus riparius</i> Meigen, 1804	0.50	0.33	.	.
<i>Chironomus acutiventris</i> Wülker & Ryser, 1983	.	0.17	.	.
<i>Cricotopus</i> gr. <i>sylvestris</i>	1.00	1.00	0.60	0.71
<i>Nanocladius</i> gr. <i>dichromus</i>	0.25	0.33	0.20	.
<i>Microtendipes chloris/pedellus</i> gr.	0.50	.	0.20	0.14
<i>Micropsectra</i> sp.	0.50	0.33	0.20	.
<i>Paratanytarsus dissimilis</i> agg.	.	0.33	0.80	0.71
<i>Orthocladius</i> sp.	0.50	0.17	0.20	0.29
<i>Demicryptochironomus vulneratus</i> (Zetterstedt, 1838)	0.25	.	.	0.14
<i>Cryptochironomus</i> sp.	.	0.33	0.40	.
<i>Cricotopus tremulus</i> (Linnaeus, 1758)	.	0.17	.	.
<i>Endochironomus tendens</i> Chernovskij, 1949	.	0.17	0.20	.
<i>Dicrotendipes nervosus</i> (Staeger, 1839)	0.75	0.50	0.40	0.43
<i>Dicrotendipes lobiger</i> (Kieffer, 1916)	.	.	.	0.14