

Sampling of surface water

April 2023.

Information about sampling location and parameters measured during the sampling	No.	1		2		3		4		5		6		7	
	Water sample mark														
	Sampling location	<i>Bor River, Brezonik</i>	<i>Bor River, 3rd profile</i>	<i>Bor River, 11th profile</i>	<i>Krivelj River (outflow from Colector)</i>	<i>Krivelj River</i>	<i>Ravna River</i>	<i>Bela River before conf. Timok</i>							
	Sampling date	26/04/2023	28/04/2023	28/04/2023	27.4.2023	27.4.2023	27.4.2023	27.4.2023							
	GPS	N: 04879558 E: 07591860 H: 263 m	N: 04876689 E: 07596037 H: 201 m			N: 04876932 E: 07597243 H: 193 m	N: 04876953 E: 07597650 H: 196 m	N: 04869666 E: 07606532 H: 127 m							
	Water color	light yellow	yellow	yellow-brown	light yellow	no	light yellow	yellow-brown							
	Water odor	yes	yes	yes	no	no	no	yes							
	Air temperature, °C	15	10	10	15	15	16	16							
	Water temperature, °C	13	12	10	10	11	10	12							
	pH	8,16	7,15	7,58	7,49	7,52	8,04	7,97							
	Dissolved oxygen (DO)	7	7,94	8,33	8,01	7,34	8,43	6,88							
Electroconductivity, µS/cm	775	1215	1185	395	819	377	699								
Water flow rate, l/min															
Length (L), m															
Width (W), m															
Depth average (Dav), m															
Time average (Tav), s															
Chemical analysis	<i>Elements</i>	<i>Method</i>	<i>Technique</i>	<i>Measured values</i>											
	Fe, tot., mg/l			0,05400	0,01900	0,01500	0,00150	0,01300	0,01000	0,03200					
	Mn,			0,19800	3,51400	3,17100	2,40500	2,38000	0,00200	1,18100					
	Cu, mg/l	SRPS EN ISO 11885:2011	ICPOES	0,00970	0,02500	0,01000	0,02700	0,03900	0,00640	0,01700					
	Mo, mg/l	SRPS EN ISO 11885:2011	ICPOES	<0,007	<0,007	<0,007	<0,007	<0,007	<0,007	<0,007					
	Zn, mg/l	SRPS EN ISO 11885:2011	ICPOES	<0,0062	0,25100	0,11200	0,01100	0,01600	<0,0062	<0,0062					
	As, mg/l	SRPS EN ISO 11885:2011	ICPOES	<0,0021	<0,0021	<0,002	<0,0021	<0,0021	<0,0021	<0,0021					
	Ni, mg/l	SRPS EN ISO 11885:2011	ICPOES	<0,0036	0,02600	0,02100	0,014	0,01400	<0,0036	0,00790					
	Pb, mg/l	SRPS EN ISO 11885:2011	ICPOES	<0,0021	<0,0021	<0,0021	<0,0021	<0,0021	<0,0021	<0,0021					
	Cd, mg/l	SRPS EN ISO 11885:2011	ICPOES	<0,0014	0,00180	0,00170	0,03700	0,00044	<0,00014	0,00016					
	Cr, mg/l	SRPS EN ISO 11885:2011	ICPOES	<0,0017	<0,0017	<0,0017	<0,0017	<0,0017	<0,0017	<0,0017					
	Hg, mg/l	SRPS EN ISO 11885:2011	ICPOES	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005					
	SO ₄ ²⁻ , mg/l	SRPS EN ISO 11885:2011	ICPOES	357	600	1220	700	470	37	296					
	Se, mg/l	SRPS EN ISO 11885:2011	ICPOES	<0,033	<0,033	<0,033	<0,033	<0,033	<0,033	<0,033					

Table 1. Measurement results of sampled surface waters

Pictures from the sampling, April 2023.



Bor River (Brezonik)



Bela River before confluenne Timok River



Ravna River



Krivelj River



Krivelj River (outflow from collector)



Bor River near Slatina