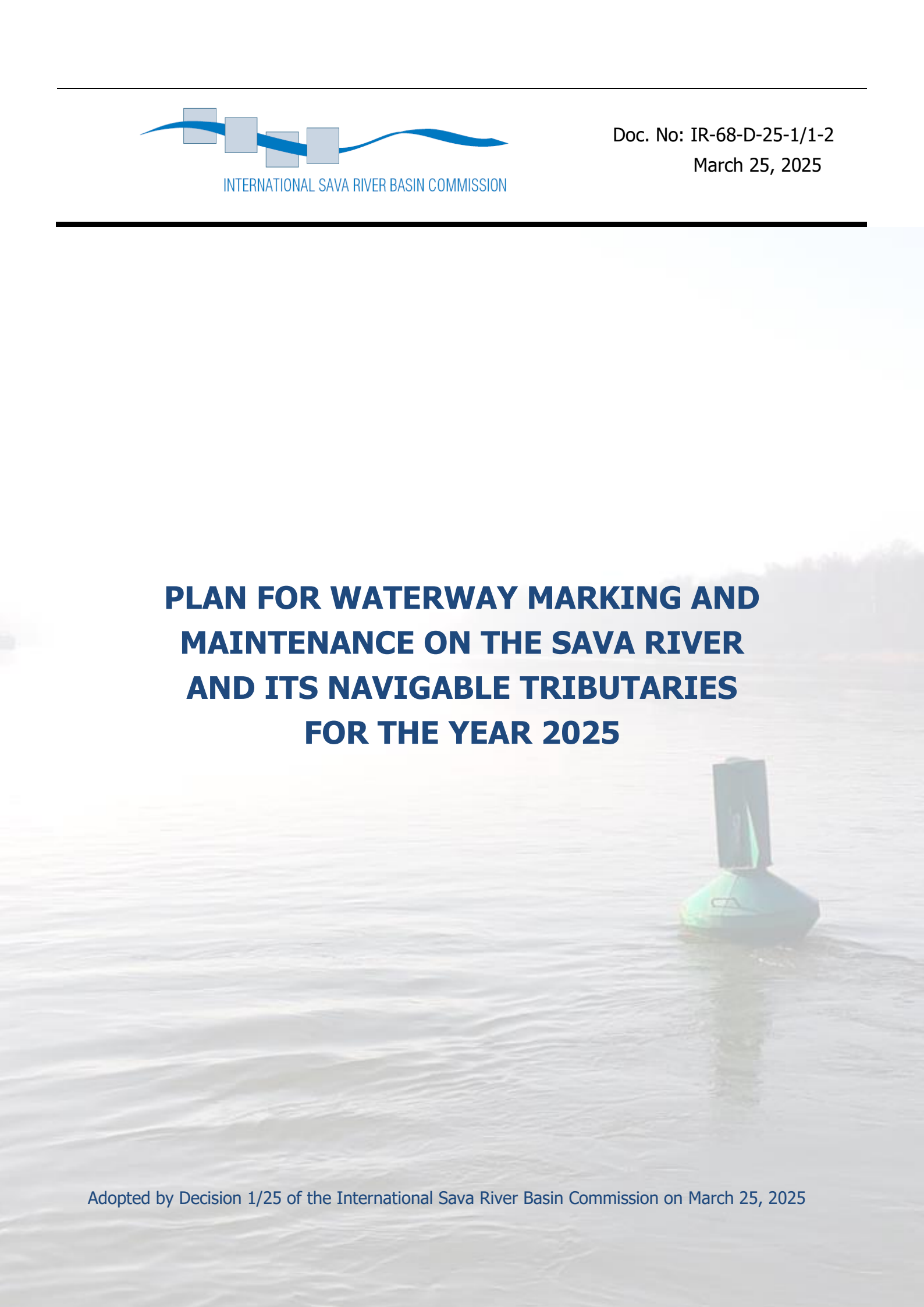
INTERNATIONAL SAVA RIVER BASIN COMMISSION

Doc. No: IR-68-D-25-1/1-2
March 25, 2025

PLAN FOR WATERWAY MARKING AND MAINTENANCE ON THE SAVA RIVER AND ITS NAVIGABLE TRIBUTARIES FOR THE YEAR 2025



Adopted by Decision 1/25 of the International Sava River Basin Commission on March 25, 2025

Table of Contents

1. DESCRIPTION OF CRITICAL SECTORS 3

1.1. LIST OF CRITICAL SECTORS 3

1.1.1. Critical sectors at the Sava River section entirely in Croatia 3

1.1.2. Critical sectors at the Sava River joint section between Croatia and Bosnia and Herzegovina 3

1.1.3. Critical sectors at the Sava River section in Serbia 4

1.2. HYDROMORPHOLOGICAL CHANGES AT SPECIFIC SECTORS 5

1.2.1. Hydromorphological changes at the Sava River section in Croatia 5

1.2.2. Hydromorphological changes the Sava River joint section between Croatia and Bosnia and Herzegovina 11

1.2.3. Hydromorphological changes at the Sava River section in Serbia 26

2. MARKING PLAN 34

2.1. CODES OF SIGNS USED IN MARKING PLAN 34

2.2. SAVA RIVER 38

2.3. KUPA RIVER 38

2.4. SUMMARY OF USED MARKING SIGNS BY TYPE 67

2.5. EXPLANATORY NOTES 68

3. REGULATION MEASURES PLAN FOR THE MAINTENANCE OF REQUIRED DIMENSIONS OF THE SAVA RIVER FAIRWAY 69

3.1. MAINTENANCE OF DEFINED PARAMETERS OF THE FAIRWAY 69

3.1.1 Dredging works planned in Croatia 69

3.1.2. Dredging works planned in Bosnia and Herzegovina 69

3.1.3. Dredging works planned in Serbia 69

3.2. MAINTENANCE OF EXISTING AND CONSTRUCTION OF NEW RIVER ENGINEERING STRUCTURES 69

3.2.1. Construction works planned in Croatia 70

3.2.2. Construction works planned in Bosnia and Herzegovina 70

3.2.3. Construction works planned in Serbia 70

1. DESCRIPTION OF CRITICAL SECTORS

1.1. LIST OF CRITICAL SECTORS

1.1.1. Critical sectors at the Sava River section entirely in Croatia

No	Name of the sector	Section (rkm)		Length of the section
		from	to	
1	Crnac	585,8	588,1	2,3
2	Blinjski Kut	580,0	583,7	3,7
3	Gušće*	570,7	579,0	8,3
4	Kratečko*	565,0	569,4	4,4
5	Bobovac*	558,8	563,4	4,6
6	Lonja 1 i Lonja – Strmen*	545,0	556,0	11,0
7	Puska	539,9	543,0	3,1
8	Krapje - Stolački bok	532,9	538,1	5,2
9	Drenov Bok	528,0	529,6	1,6
10	Višnjica - Drenov Bok	520,0	525,5	2,5
11	Jasenovac	515,5	518,1	2,6
TOTAL:				**49,3**

Particularly restricting sectors (note from the Agency for Inland Waterways - Croatia)

1.1.2. Critical sectors at the Sava River joint section between Croatia and Bosnia and Herzegovina

No	Name of the sector	Section (rkm)		Length of the section
		from	to	
1	Košutarica	506,3	506,6	0,3
2	Košutarica-Brošćine*	500,6	501,0	0,4
3	Mlaka - Mala Ciperna	488,0	489,0	0,2
4	Gređani - Babin dol	478,0	480,0	2,0
5	Stara Gradiška	464,1	464,5	0,4
6	Savski Bok	453,3	454,6	1,3
7	Dolina*	445,3	449,8	4,5
8	Davor Mlature	428,7	430,2	1,5
9	Davor ušće Vrbasa*	426,2	427,2	1,0
10	Siče-Radinje	413,0	414,0	1,0
11	Dubočac	387,2	389,8	2,6
12	Migalovci*	379,3	383,7	4,4

13	Jaruge–Novi Grad*	320,5	329,0	8,5
14	Kruševica-Sitno*	316,5	317,5	1,0
15	Savulje Sl. Šamac*	310,0	313.7	3,7
16	Sl. Šamac – Vučjak*	304,2	309,0	4,8
17	B. Greda-Brezovica	295,5	296,1	0,6
18	Štitar-Staro Selo	274,5	275,3	0,8
19	Gunja*	215,9	227,5	11,6
20	Račinovci	210,8	212,7	1,9
TOTAL:				**42,5**

Particularly restricting sectors (note from the Agency for Inland Waterways - Croatia)

1.1.3. Critical sectors at the Sava River section in Serbia

No	Name of the sector	Section (rkm)		Length of the section
		from	to	
1	Confluence of the Drina River	177,0	184,0	7,0
2	Sremska Mitrovica	126,8	134,0	7,2
3	Klenak	106,0	112,6	6,6
4	Šabac	90,0	104,0	14,0
5	Kamičak	82,2	88,2	6,0
TOTAL:				**40,8**

Note: The stretch from rkm 177 to rkm 178 of the critical sector Confluence of the Drina River is on the territory of the Republic of Serbia, while the remaining stretch from rkm 178 to rkm 184 is a joint sector between the Republic of Serbia and Bosnia and Hercegovina.

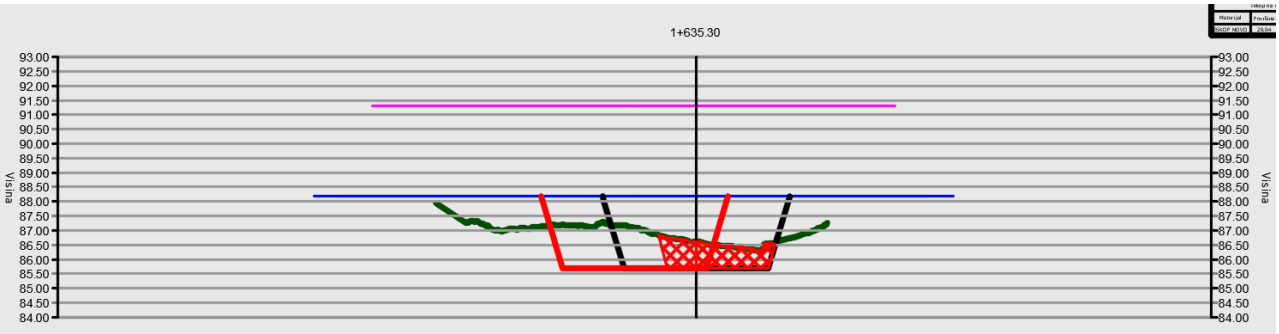
1.2. HYDROMORPHOLOGICAL CHANGES AT SPECIFIC SECTORS

1.2.1. Hydromorphological changes at the Sava River section in Croatia

Critical sector: Gušće (570+700 do rkm 579+000)

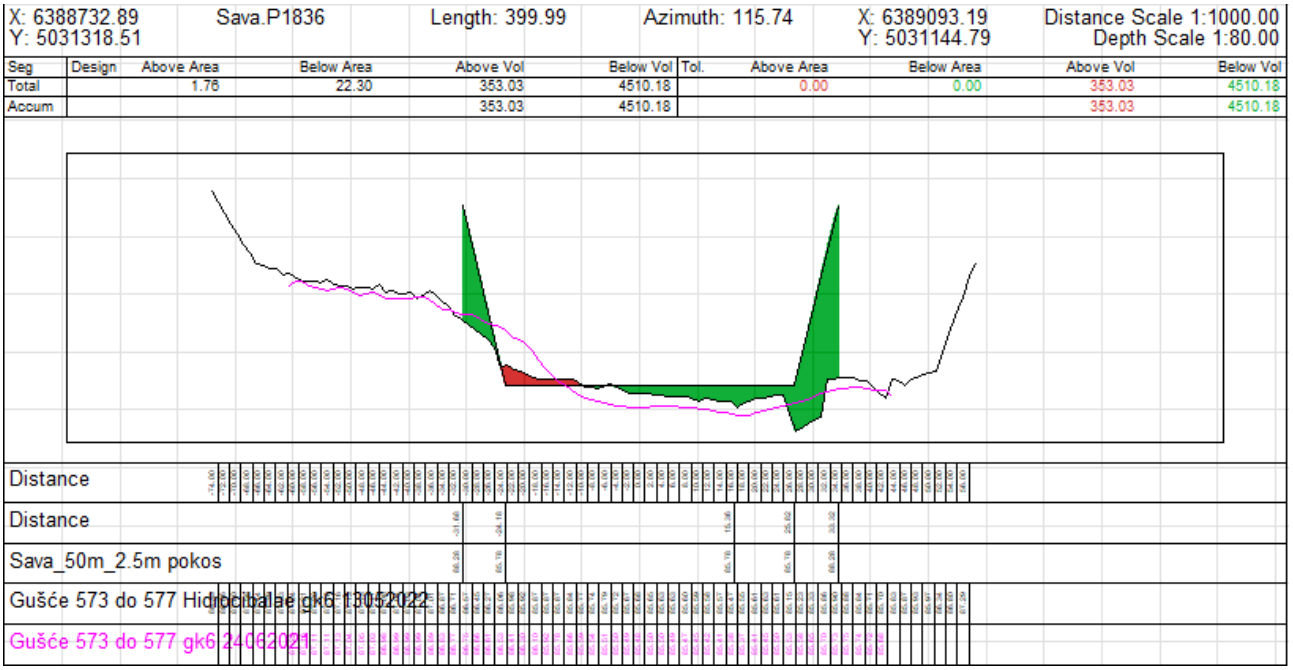
Characteristic cross-section profiles at critical sectors – hydromorphological changes in profiles (according to annual bathymetric survey)

Profile at rkm 571+500 (EV 1830)



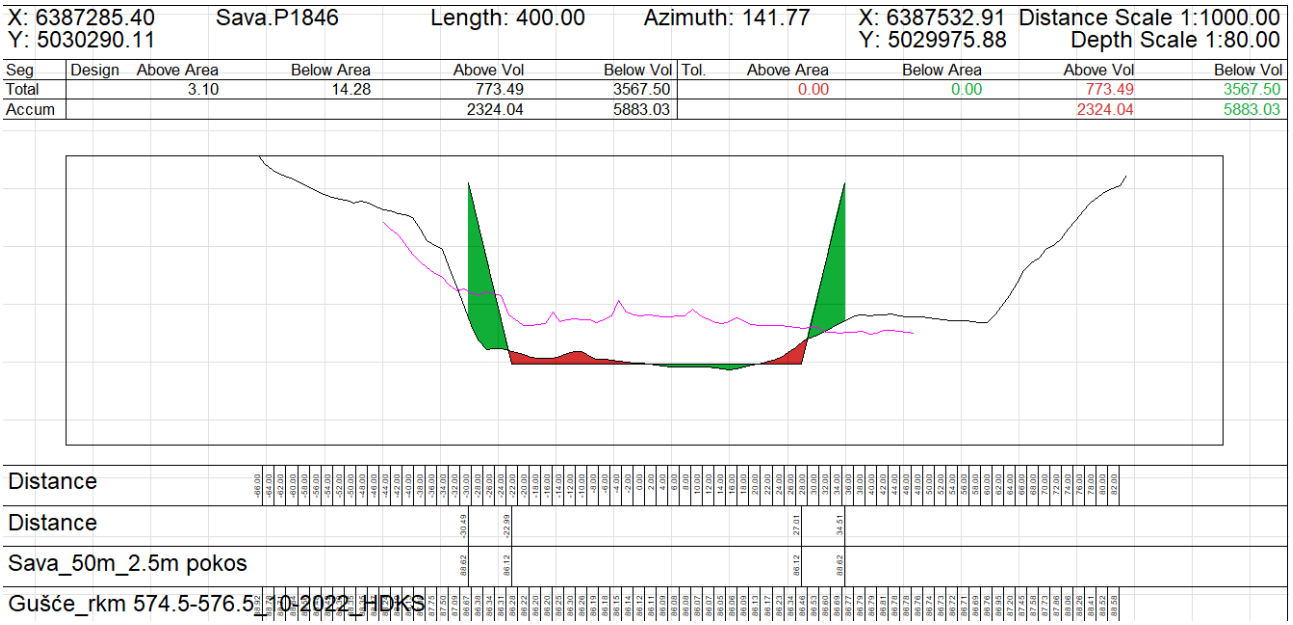
legend: **September 2018**

Profile at rkm 573+100 (EV 1836)



legend: **June 2021** **May 2022**

Profile at rkm 574+700 (EV 1846)



legend: **May 2022** **October 2022**

Waterway data/available (reduced) fairway parameters assessed to the waterway class

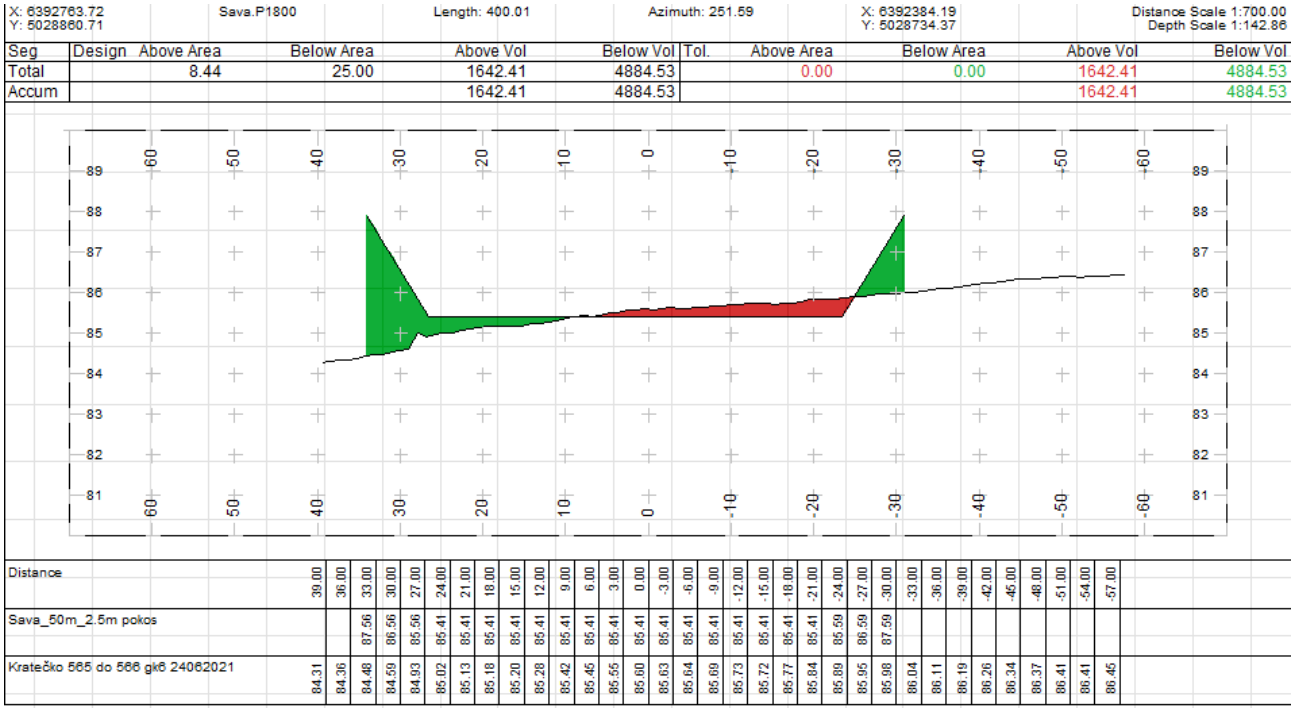
rkm	B-theor	B-navigable	B-available	Hmax-available	Hmin-theor
571,5	50	0,0	35,0	2,4	2,4
573,1	50	40	60	3,00	2,3
574,7	50	20	20	2,57	2,32

Note: Dredging was carried out in 2018 in a narrowed profile with a partially translated fairway route. Technical maintenance works were executed in 2021, 2022 and 2023.

Critical sector: Kratečko (rkm 565+000 do rkm 569+400)

Characteristic cross-section profiles at critical sectors – hydromorphological changes in profiles (according to annual bathymetric survey)

Profile at rkm 565+700 (EV 1800), 06/2021



legend: ---------- **June 2021**

Waterway data/available (reduced) fairway parameters assessed to the waterway class

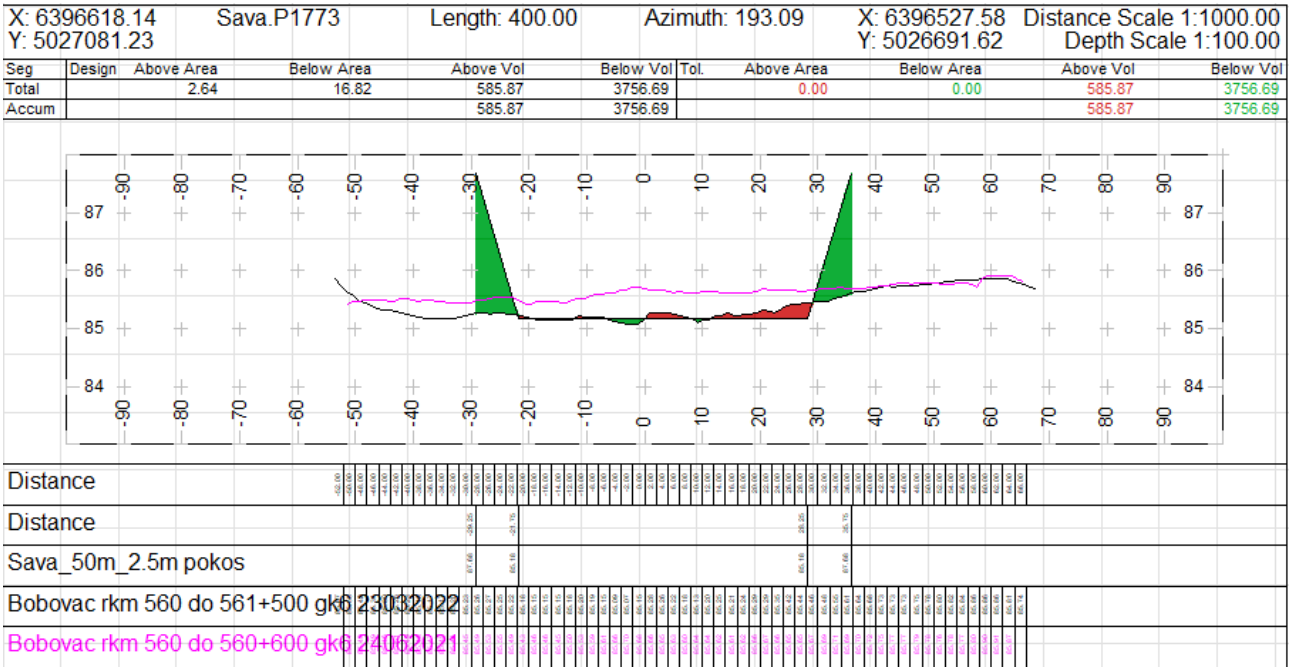
rkm	B-theor	B-navigable	B-available	Hmax-available	Hmin-theor
560,15	50	25	25	2,61	2,24

Note: Dredging works were completed in 2021.

Critical sector: Bobovac (rkm 558+800 do rkm 563+400)

Characteristic cross-section profiles at critical sectors – hydromorphological changes in profiles (according to annual bathymetric survey)

Profile at rkm 560+150 (EV 1773)



legend: **June 2021** **March 2022**

Waterway data/available (reduced) fairway parameters assessed to the waterway class

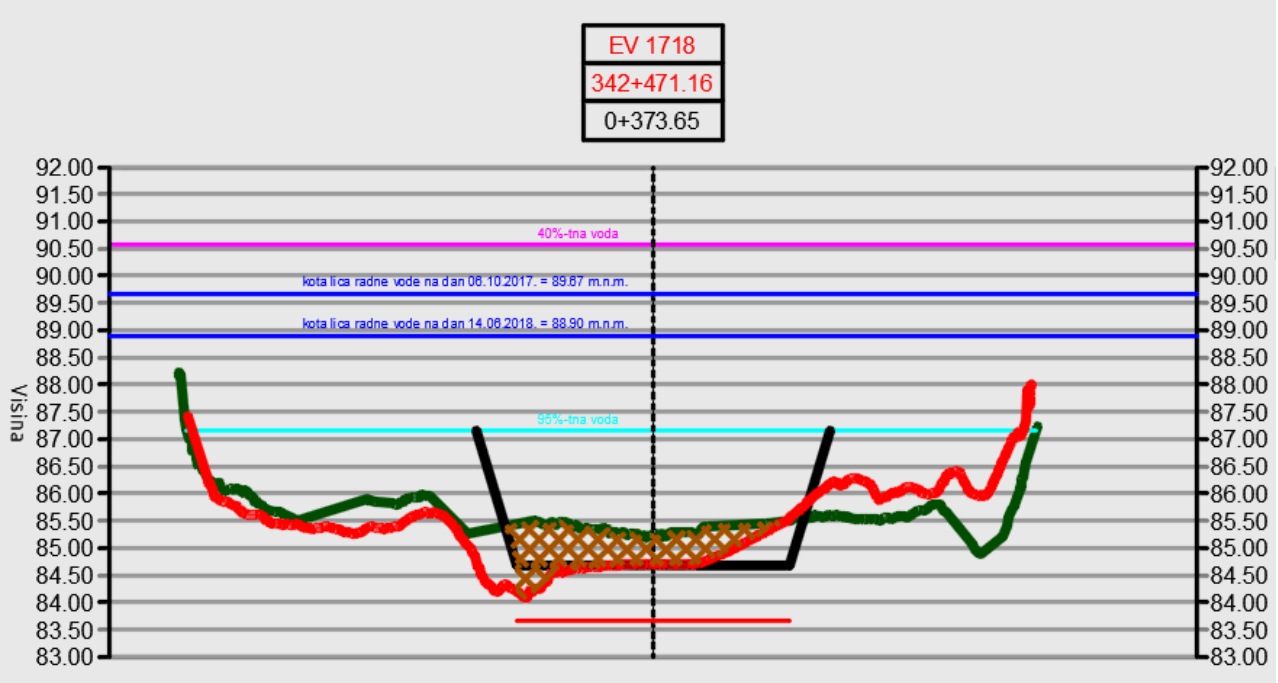
rkm	B-theor	B-navigable	B-available	Hmax-available	Hmin-theor
549,5	50	0,0	0,0	2,2	1,5
560,15	50	25	25	2,61	2,24

Note: Dredging works were carried out in 2017, 2018, 2019, 2022, 2023, and 2024.

Critical sector: Lonja and Lonja – Strmen (rkm 545+000 do rkm 556+000)

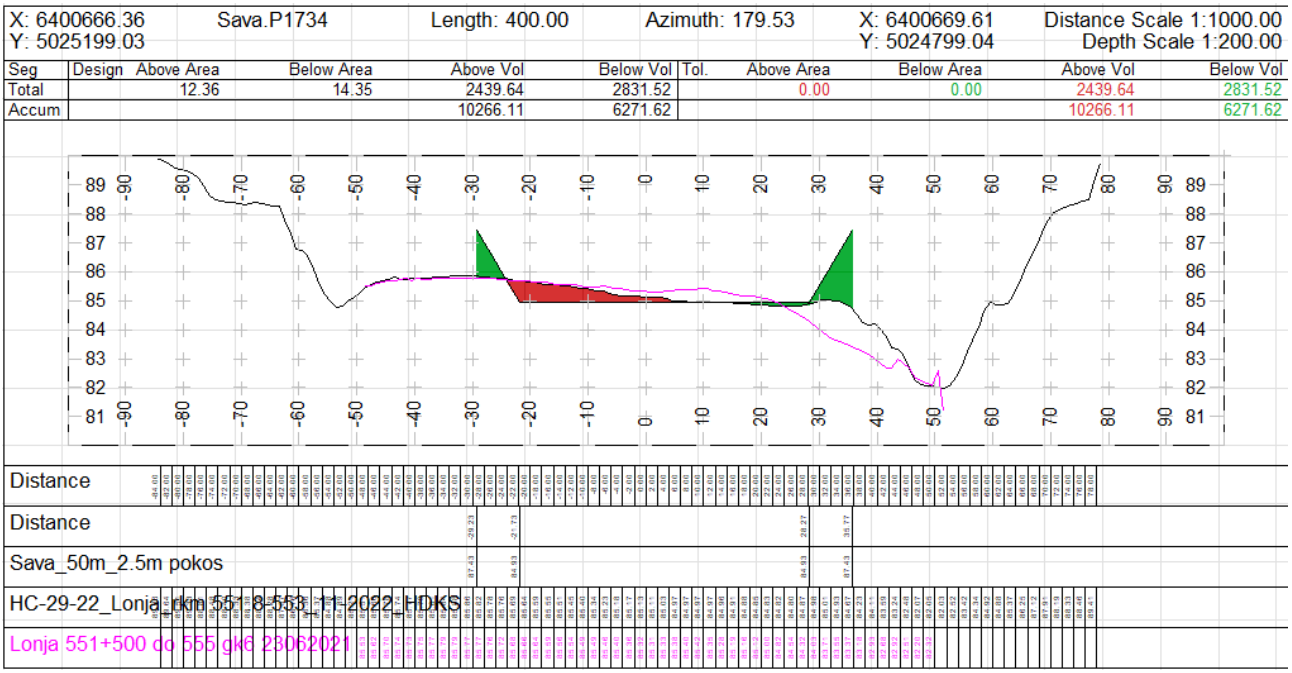
Characteristic cross-section profiles at critical sectors – hydromorphological changes in profiles (according to annual bathymetric survey)

Profile at rkm 552+850 (EV 1734)



legend: **October 2017** **June 2018**

Profile at rkm 552+850 (EV 1734)



legend: **June 2021** **November 2022**

Waterway data/available (reduced) fairway parameters assessed to the waterway class

rkm	B-theor	B-navigable	B-available	Hmax-available	Hmin-theor
552,85	50	15	25	5,40	1,70

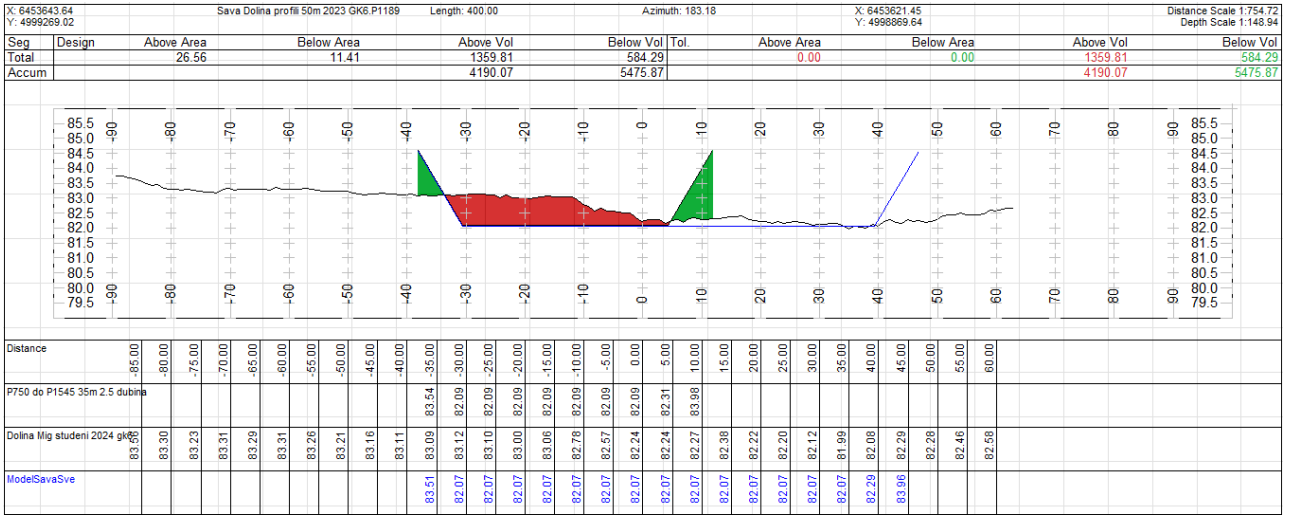
Note: Dredging works performed in 2017, 2018, 2019, 2022, 2023, and 2024.

1.2.2. Hydromorphological changes on the Sava River joint section between Croatia and Bosnia and Herzegovina

Critical sector: Dolina (rkm 445+300 – rkm 4498500)

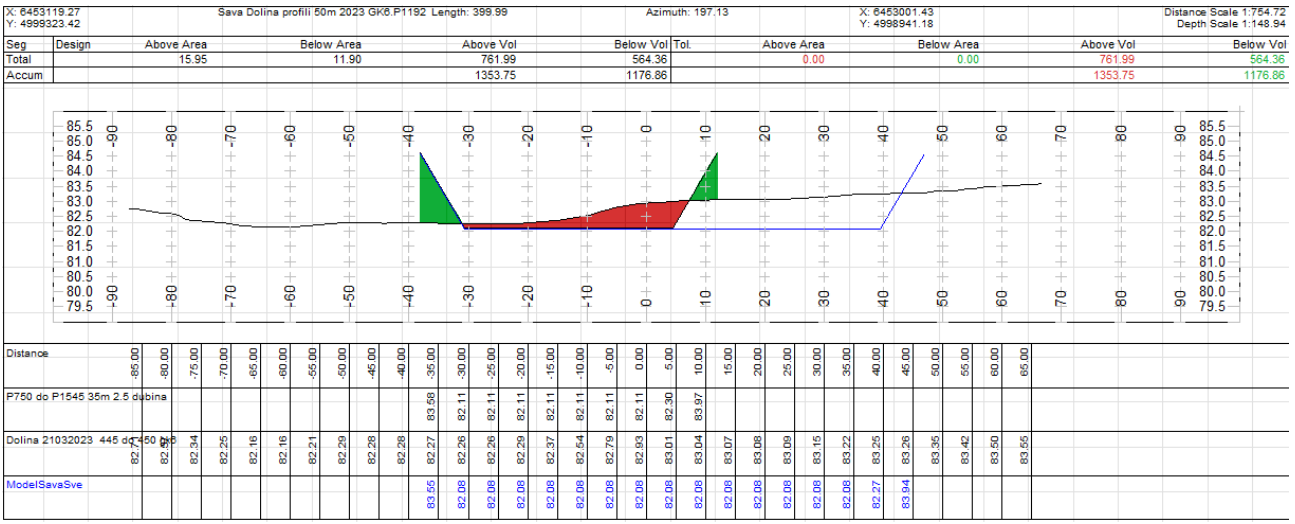
Characteristic cross-section profiles at critical sectors – hydromorphological changes in profiles (according to annual bathymetric survey)

Profile at rkm 446+100 (EV 1189)



legend: ---------- **November 2024**

Profile at rkm 447+100 (EV 1192)



legend: ---------- **March 2023**

Waterway data/available (reduced) fairway parameters assessed to the waterway class

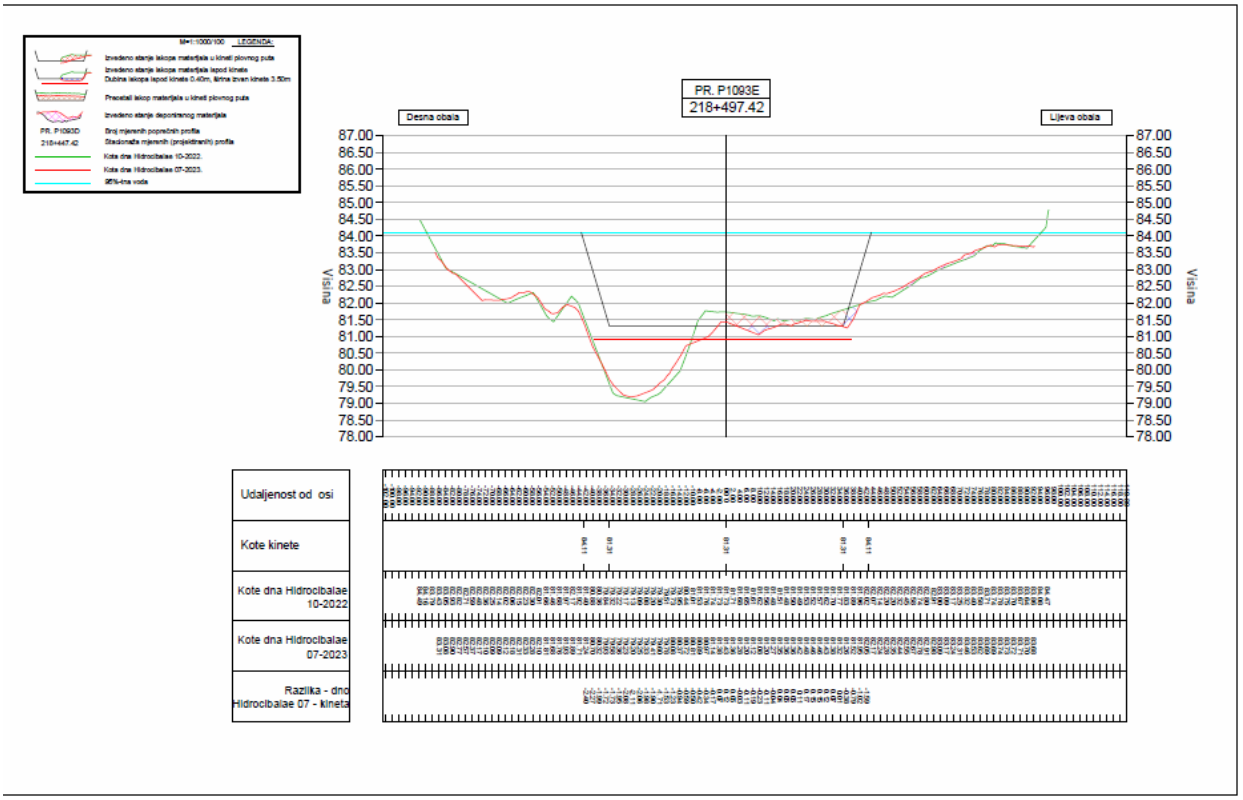
rkm	B-theor	B-navigable	B-available	Hmax-available	Hmin-theor
446,1	70	0,0	5,0	2,5	1,5
447,1	70	0,0	0,0	2,4	1,6

Note: Intervening works on technical maintenance of the fairway were carried out on the Croatian side of the waterway in 2024, which will continue in 2025.

Critical sector: Davor – Ušće Vrbasa (rkm 426+200 – rkm 427+700)

Characteristic cross-section profiles at critical sectors – hydromorphological changes in profiles (according to annual bathymetric survey)

Profile at rkm 426+900 (EV 1094)



legend: **october 2022** **July 2023**

Waterway data/available (reduced) fairway parameters assessed to the waterway class

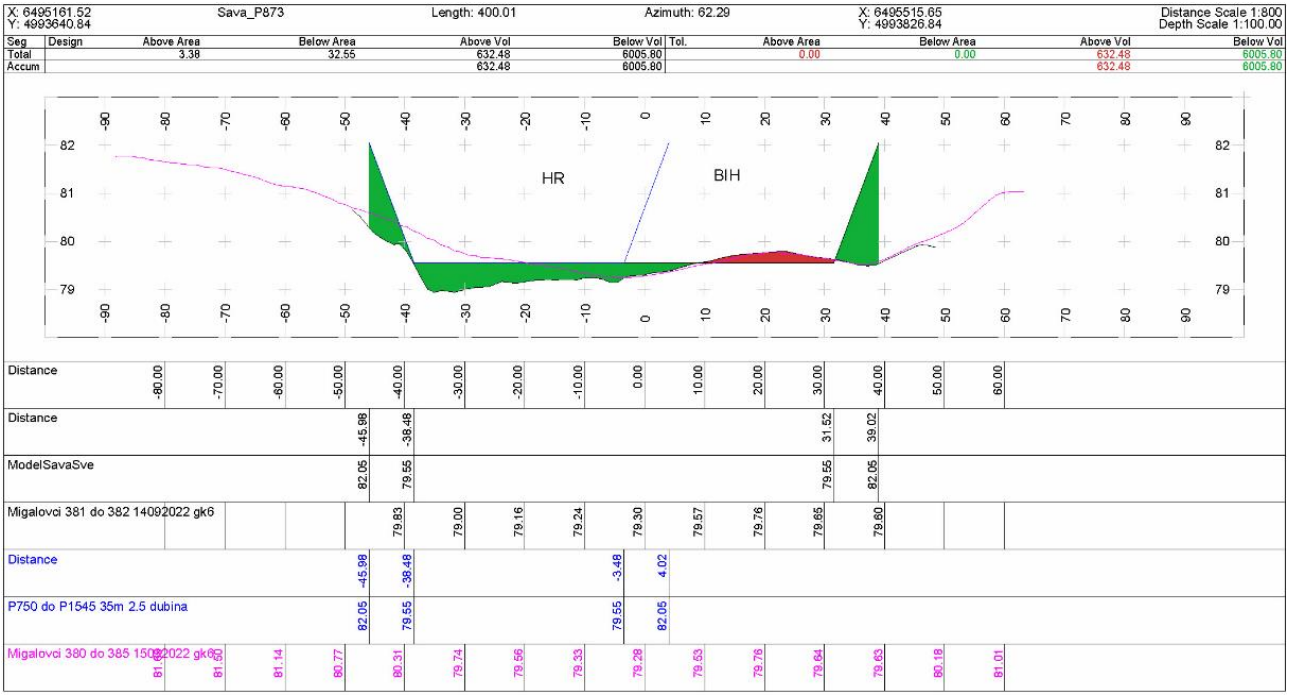
rkm	B-theor	B-navigable	B-available	Hmax-available	Hmin-theor
426,7	70	45	80	3,1	2,5

Note: Planned dredging works on the Croatian waterway side were completed in 2023.

Critical sector: Migalovci (rkm 379+300 – rkm 383+700)

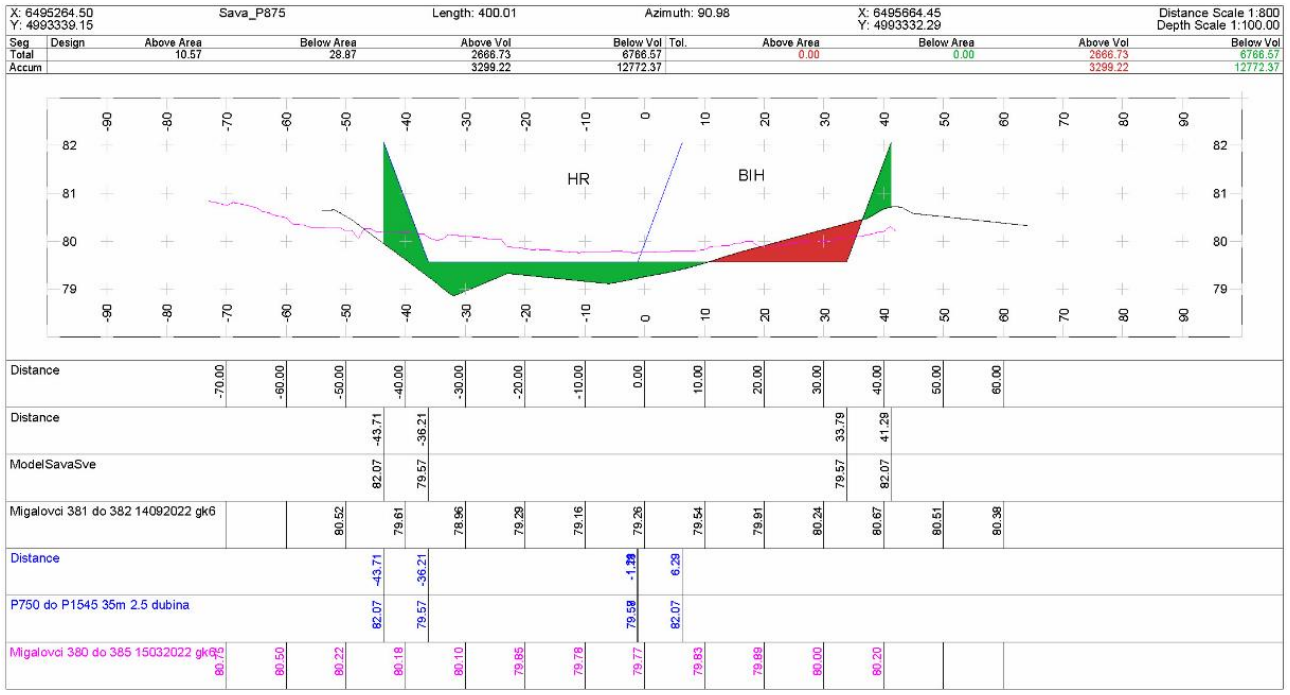
Characteristic cross-section profiles at critical sectors – hydromorphological changes in profiles (according to annual bathymetric survey)

Profile at rkm 381+700 (EV 873)



legend: ---------- **September 2022** ---------- **March 2022**

Profile at rkm 379+500 (EV 875)



legend: ---------- **September 2022** ---------- **March 2022**

Waterway data/available (reduced) fairway parameters assessed to the waterway class

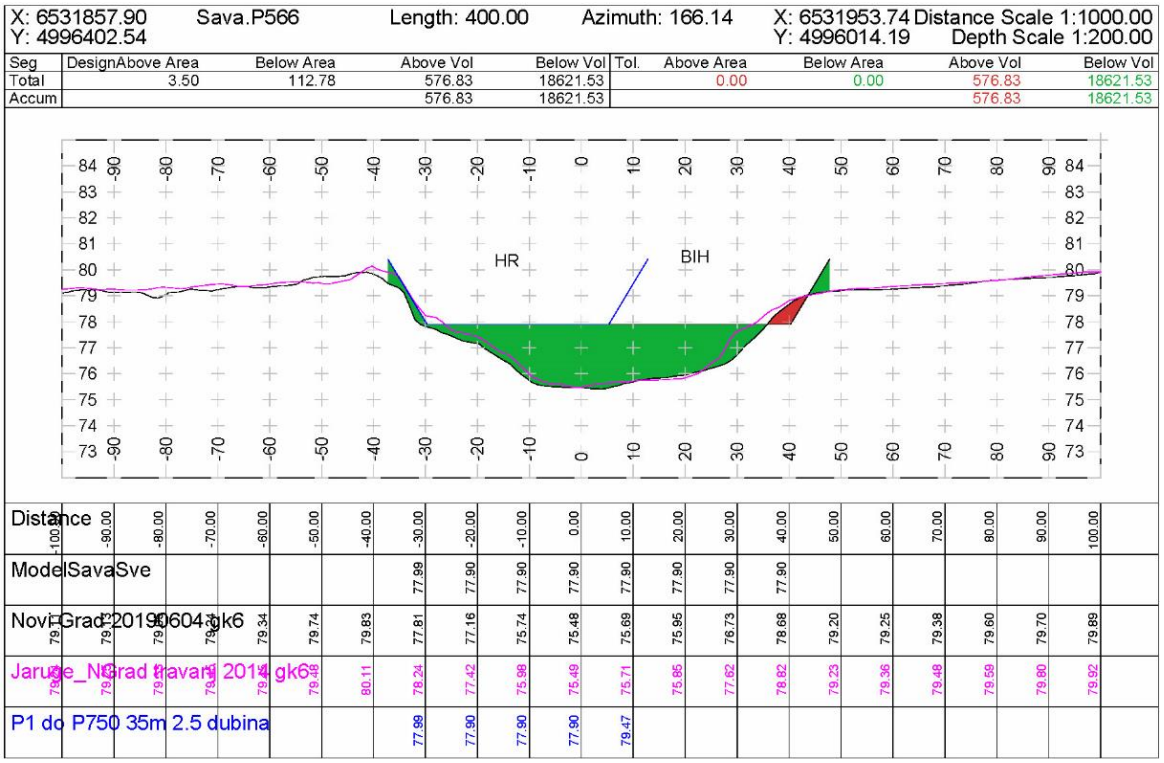
rkm	B-theor	B-navigable	B-available	Hmax-available	Hmin-theor
381,7	70	50	50	3,11	2,27
379,5	70	60	60	3,21	1,63

Note: Works on technical maintenance were executed on the Croatian side of the waterway from rkm 374 to rkm 382 in 2021 and 2022.

Critical sector: Jaruge – Novi Grad (rkm 320+500 – rkm 329+000)

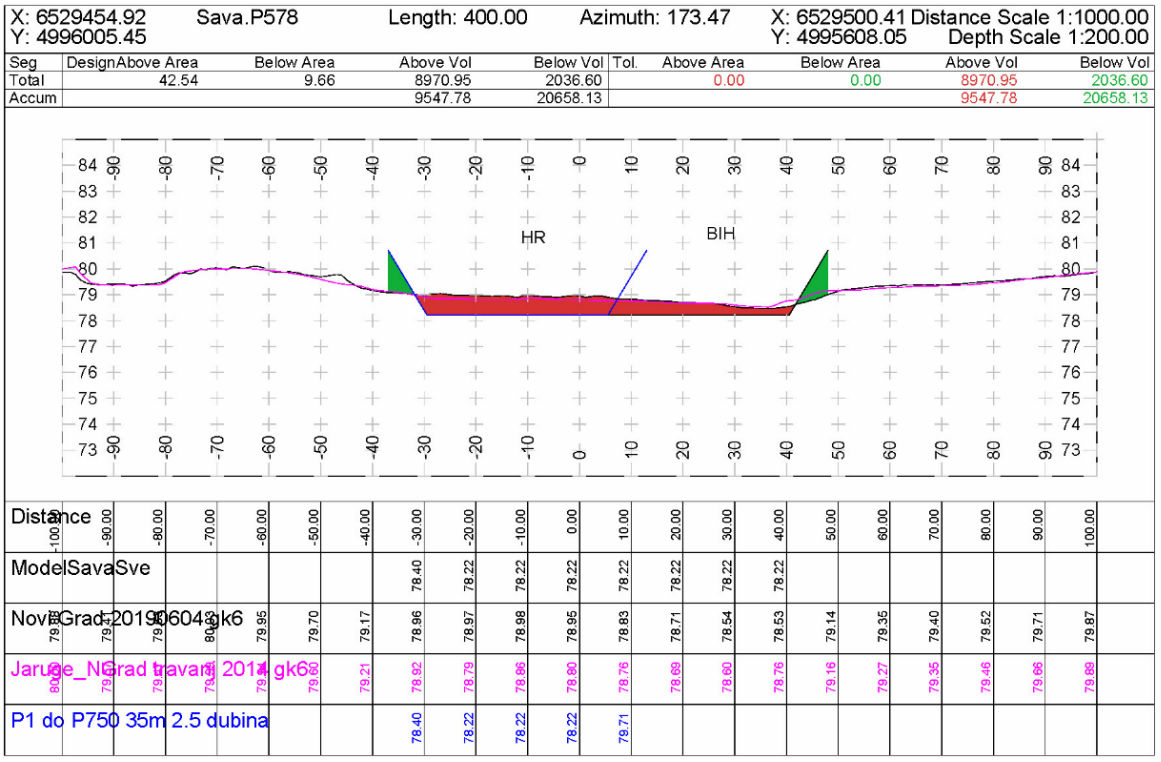
Characteristic cross-section profiles at critical sectors – hydromorphological changes in profiles (according to annual bathymetric survey)

Profile at rkm 321+900 (EV 566)



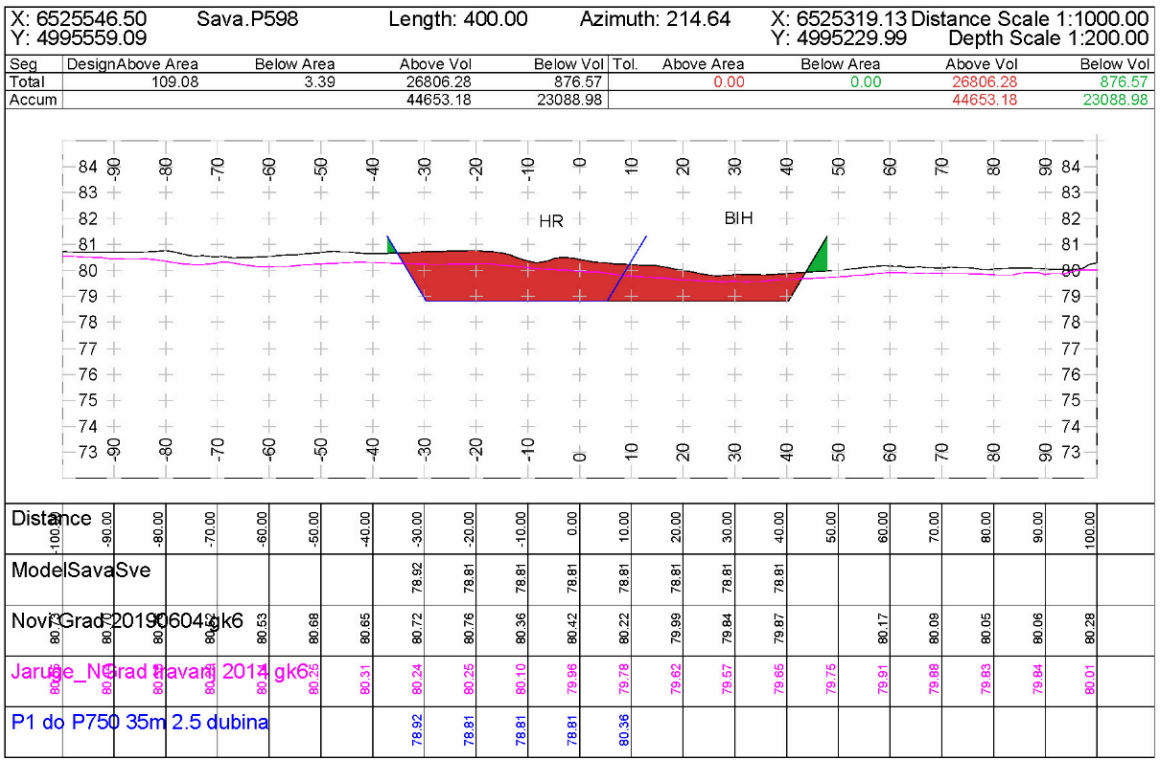
legend: 2019 2014

Profile at rkm 324+500 (EV 578)



legend: 2019 2014

Profile at rkm 328+800 (EV 598)



legend: **2019** **2014**

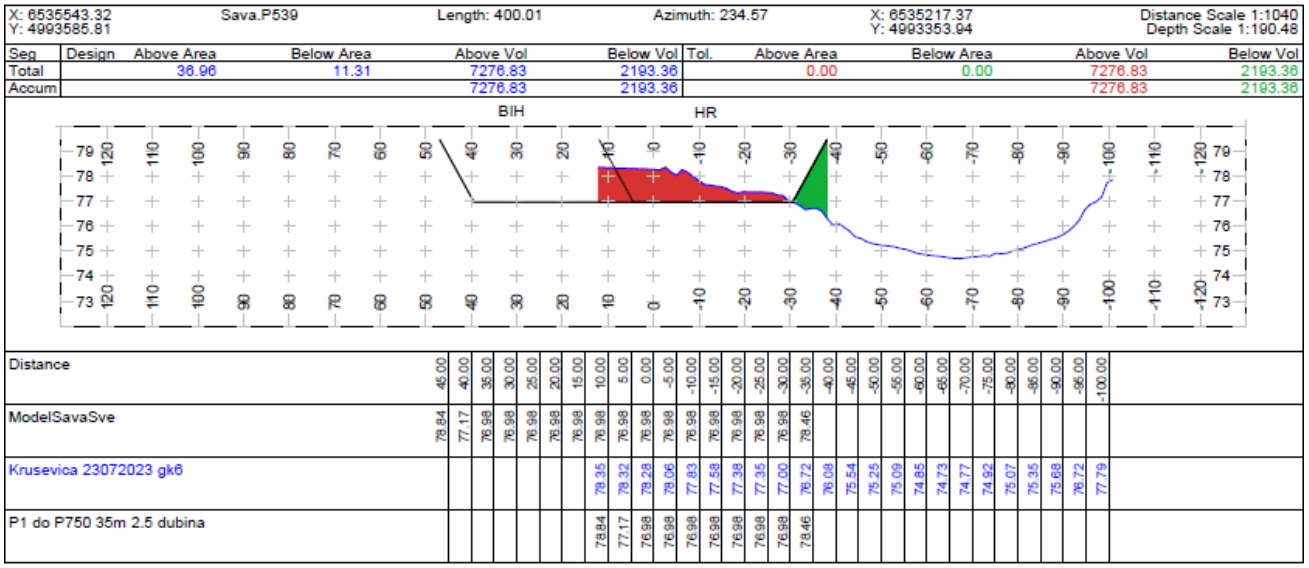
Waterway data/available (reduced) fairway parameters assessed to the waterway class

rkm	B-theor	B-navigable	B-available	Hmax-available	Hmin-theor
321,9	70	65	65	4,99	2,00
324,5	70	0	0	2,25	1,72
328,8	70	0	0	1,50	0,59

Critical sector: Kruševica - Sitno (rkm 316+500 – rkm 317+500)

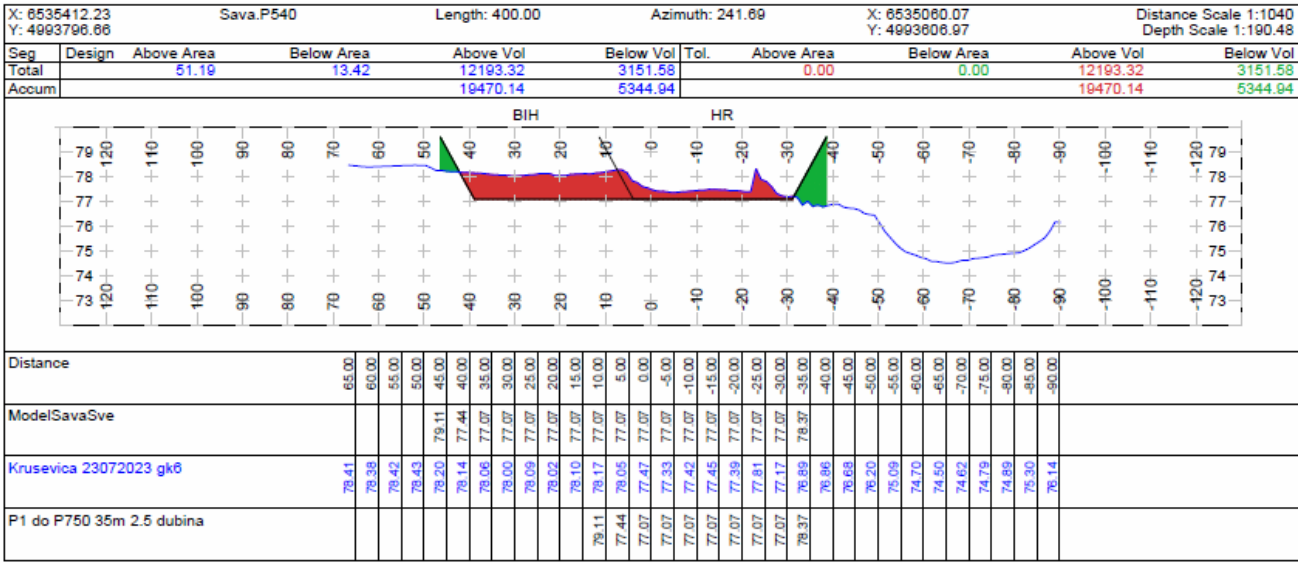
Characteristic cross-section profiles at critical sectors – hydromorphological changes in profiles (according to annual bathymetric survey)

Profile at rkm 316+800 (EV 539)



legend: ..... **July 2023**

Profile at rkm 317+100 (EV 540)



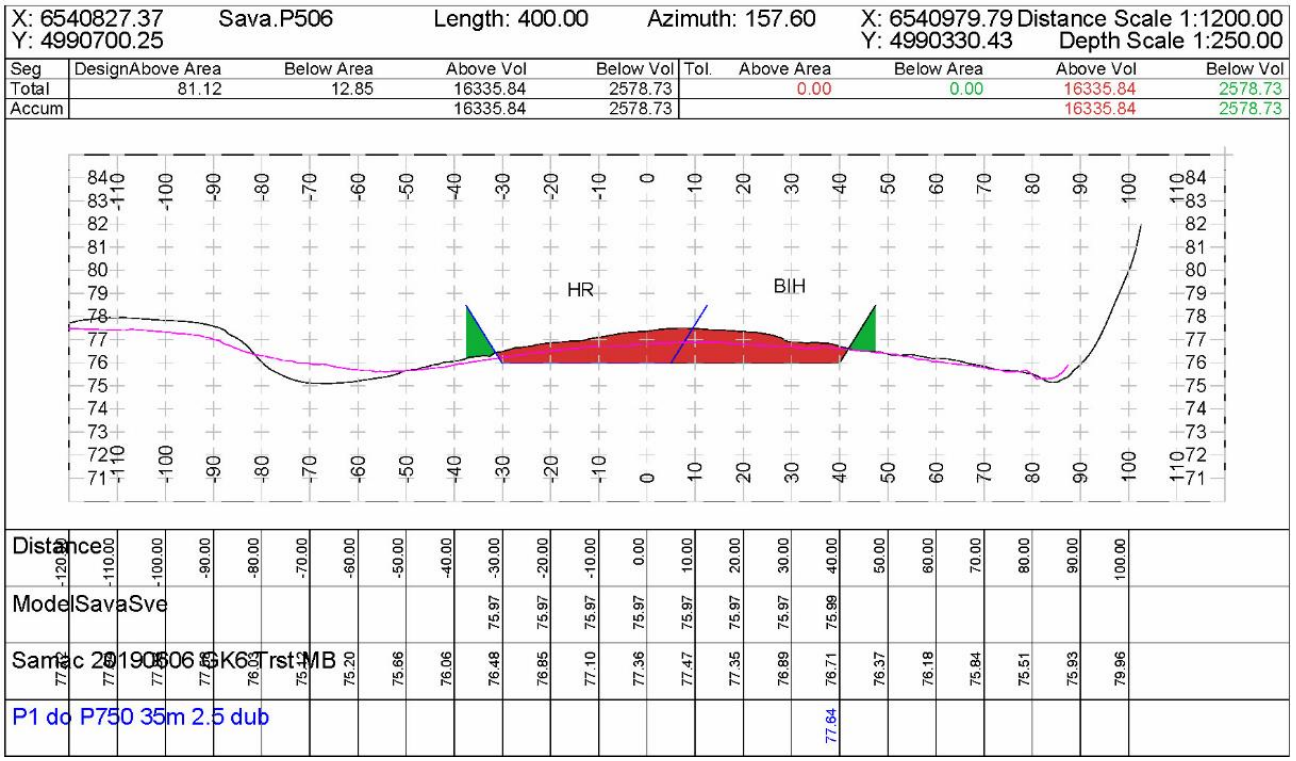
Waterway data/available (reduced) fairway parameters assessed to the waterway class

rkm	B-theor	B-navigable	B-available	Hmax-available	Hmin-theor
316,8	70	0	60	4,75	1,13
317,1	70	0	55	5,07	1,40

Critical sector: Savulje Sl. Šamac (rkm 310+000 – rkm 313+700)

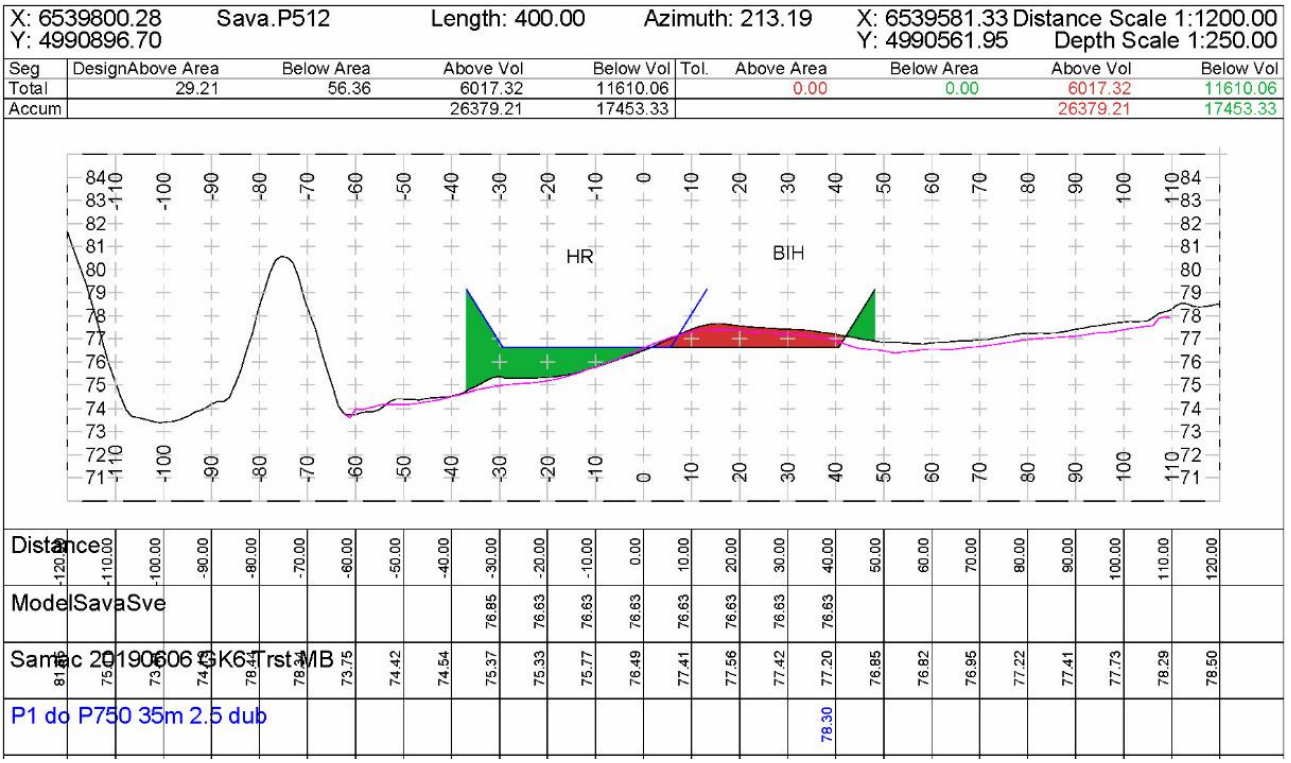
Characteristic cross-section profiles at critical sectors – hydromorphological changes in profiles (according to annual bathymetric survey)

Profile at rkm 310+500 (EV 506)



legend: **2019** **2016**

Profile at rkm 311+600 (EV 512)



legend: **2019** **2016**

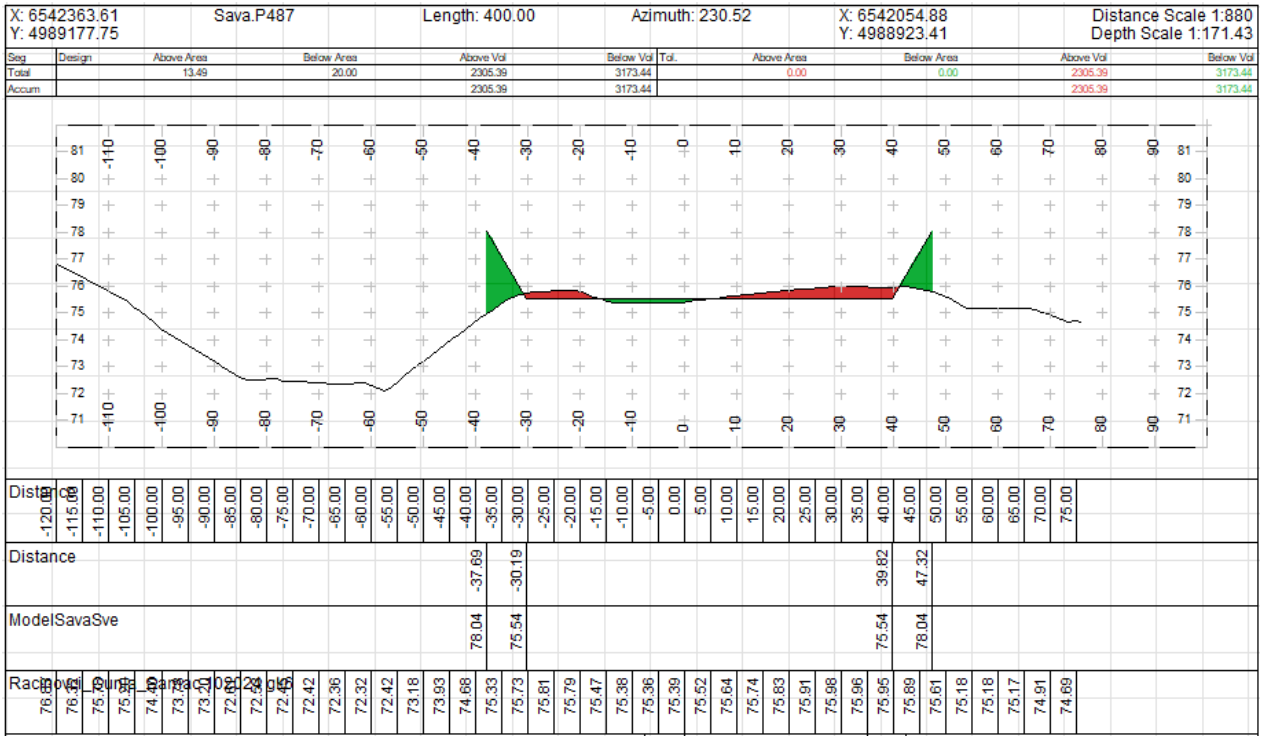
Waterway data/available (reduced) fairway parameters assessed to the waterway class

rkm	B-theor	B-navigable	B-available	Hmax-available	Hmin-theor
310,5	70	0	30	3,35	0,99
311,6	70	30	60	5,38	1,48

Critical sector: Sl. Šamac Vučjak (rkm 304+200 – rkm 309+000)

Characteristic cross-section profiles at critical sectors – hydromorphological changes in profiles (according to annual bathymetric survey)

Profile at rkm 307+100 (EV 487)



legend: ---------- **October 2024**

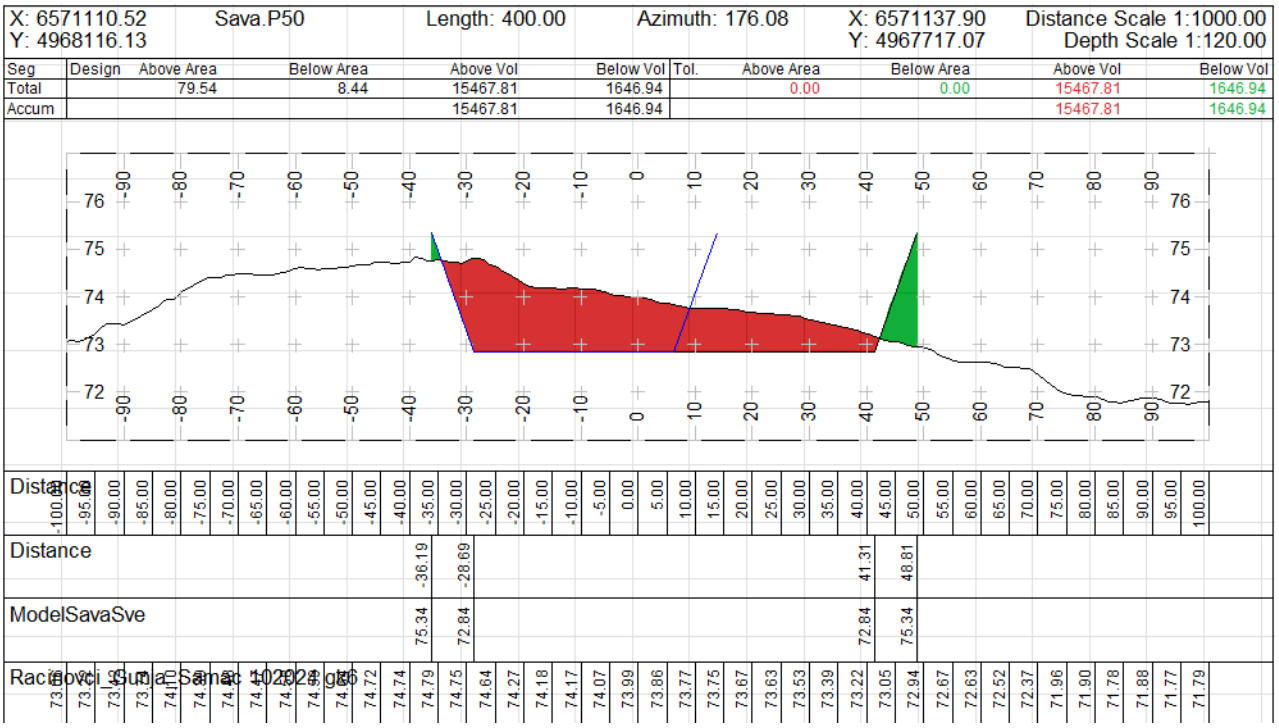
Waterway data/available (reduced) fairway parameters assessed to the waterway class

rkm	B-theor	B-navigable	B-available	Hmax-available	Hmin-theor
307,1	70	15	60	2,68	2,09

Critical sector: Gunja (rkm 215+900 – rkm 227+500)

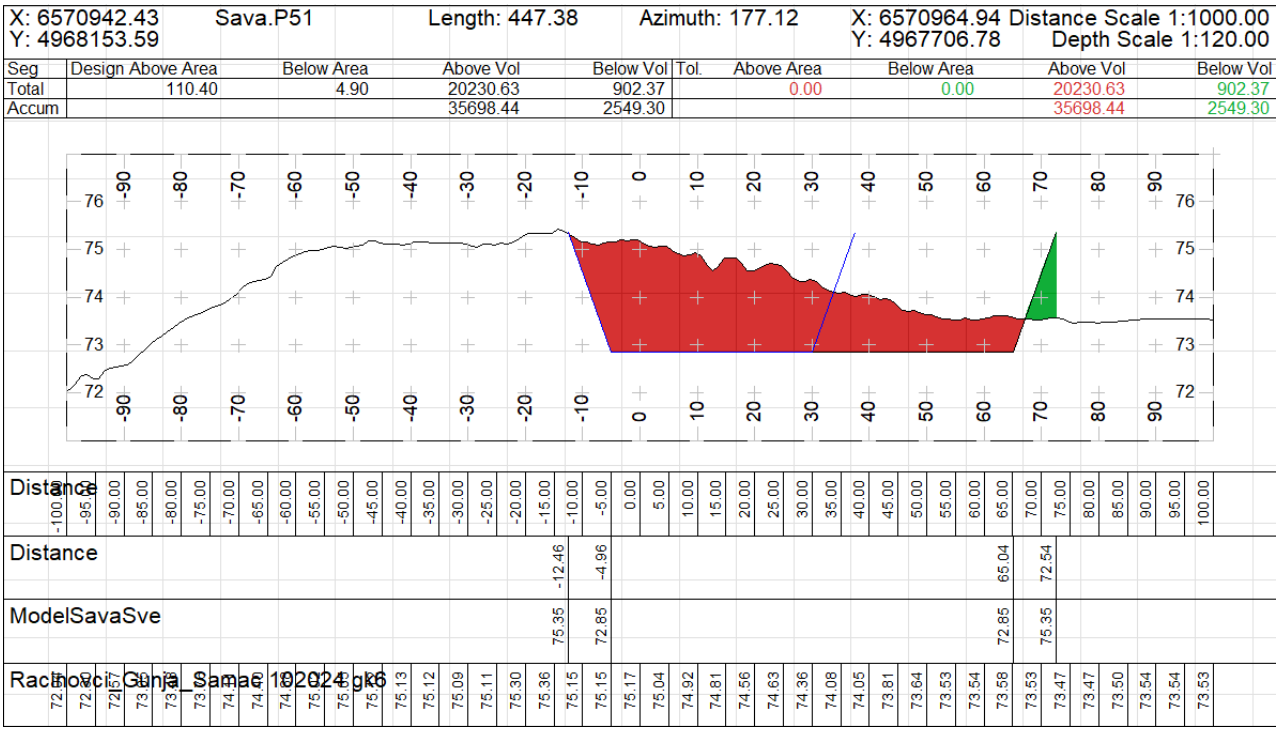
Characteristic cross-section profiles at critical sectors – hydromorphological changes in profiles (according to annual bathymetric survey)

Profile at rkm 221+200 (EV 50)



legend: ---------- **October 2024**

Profile at rkm 221+400 (EV 51)



legend: ---------- **October 2024**

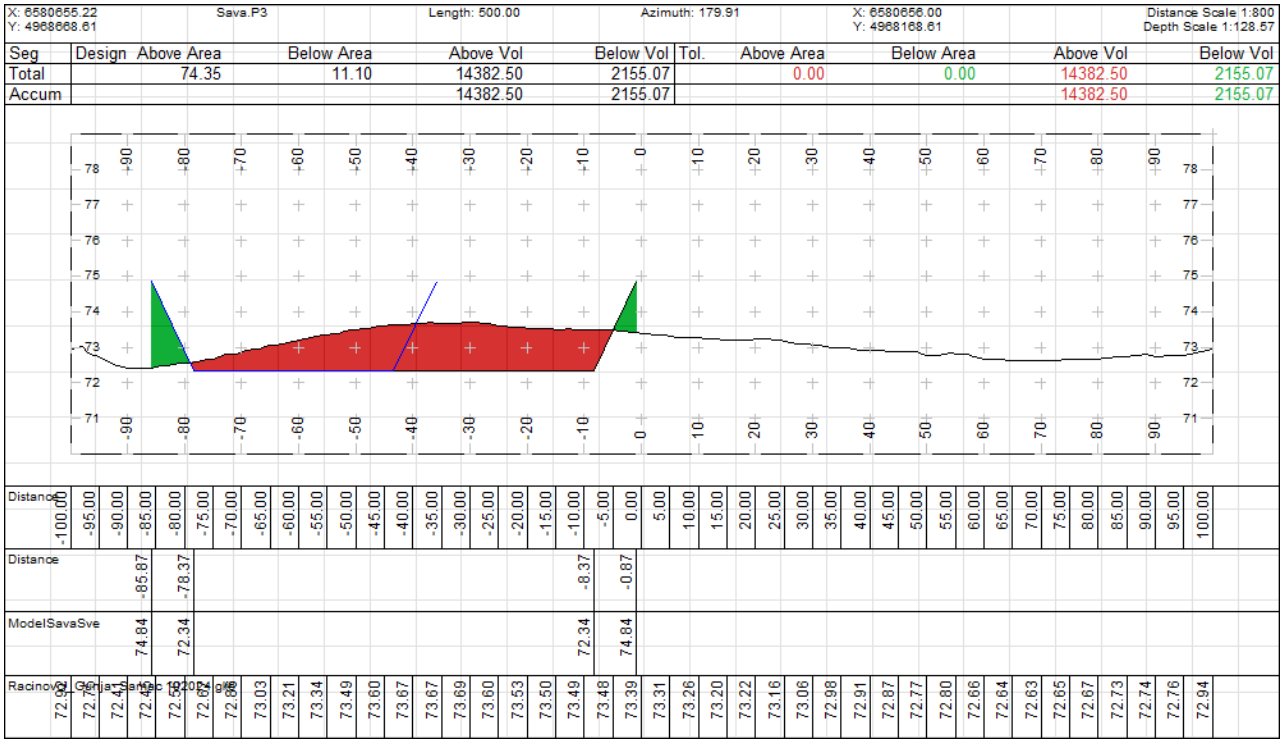
Waterway data/available (reduced) fairway parameters assessed to the waterway class

rkm	B-theor	B-navigable	B-available	Hmax-available	Hmin-theor
221,2	70	0	0	221,2	70
221,4	70	0	0	221,4	70

Critical sector: Račinovci (rkm 210+800 – rkm 212+700)

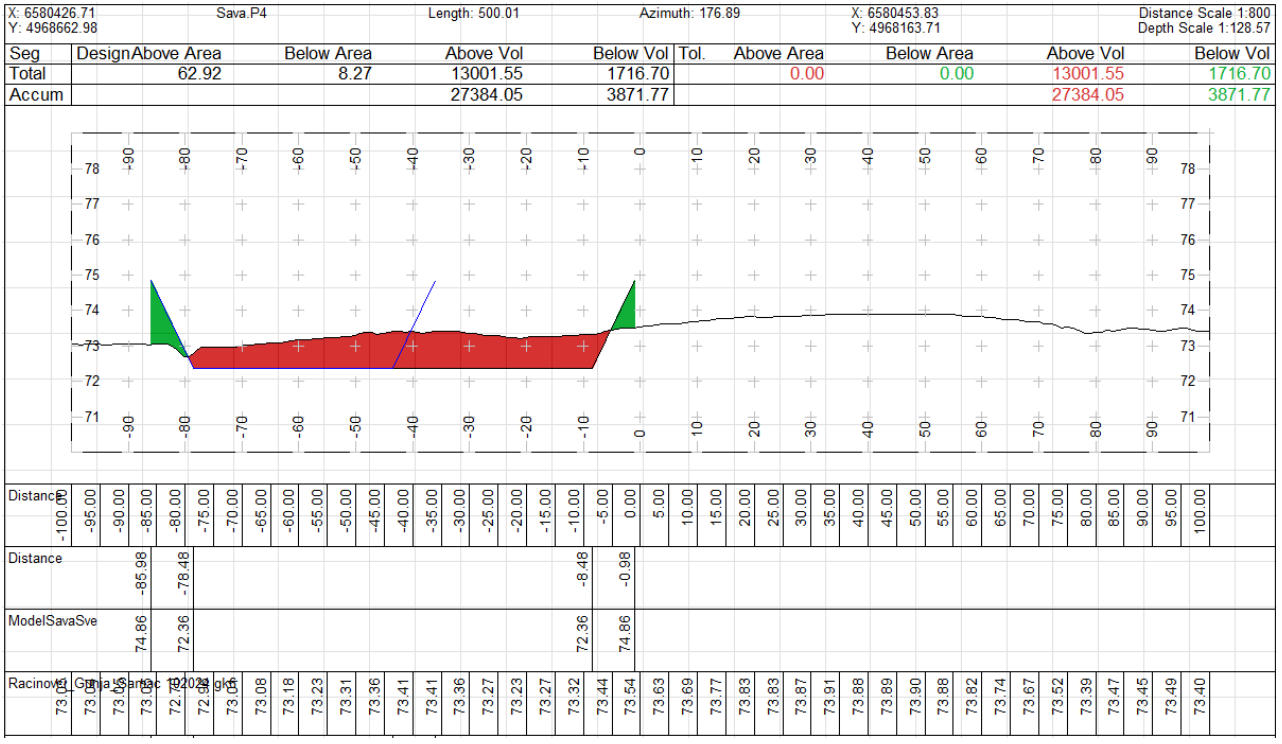
Characteristic cross-section profiles at critical sectors – hydromorphological changes in profiles (according to annual bathymetric survey)

Profile at rkm 211+400 (EV 3)



legend: ---------- **October 2024**

Profile at rkm 211+750 (EV 4)



legend: ---------- **October 2024**

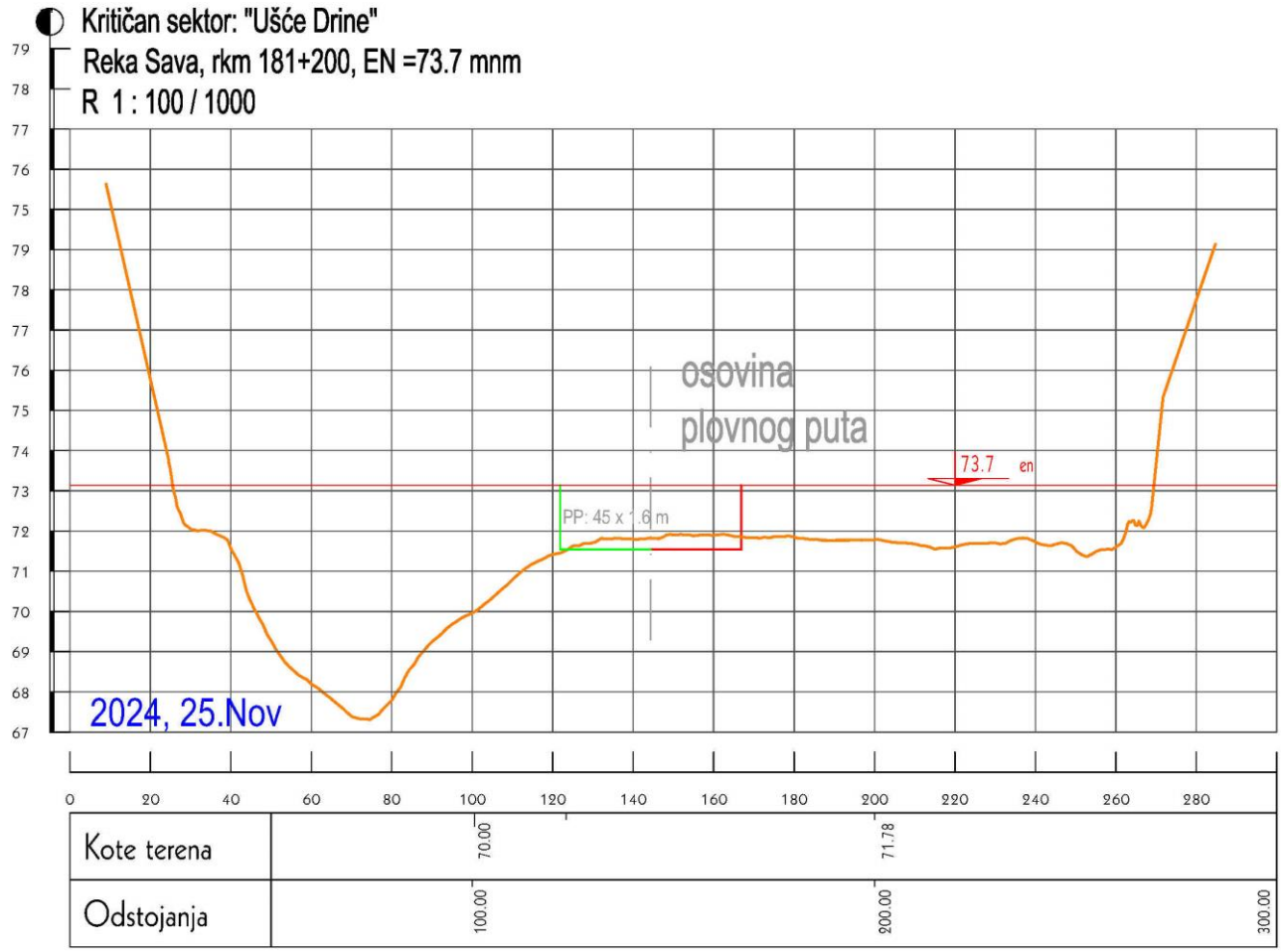
Waterway data/available (reduced) fairway parameters assessed to the waterway class

rkm	B-theor	B-navigable	B-available	Hmax-available	Hmin-theor
211,4	70	0	0	2,04	1,17
211,75	70	0	0	1,86	1,45

1.2.3. Hydromorphological changes at the Sava River section in Serbia

Critical sector: Confluence of the Drina River

Characteristic cross-section profiles at critical sectors – hydromorphological changes in profiles (according to the annual bathymetric survey performed on November 26, 2024)

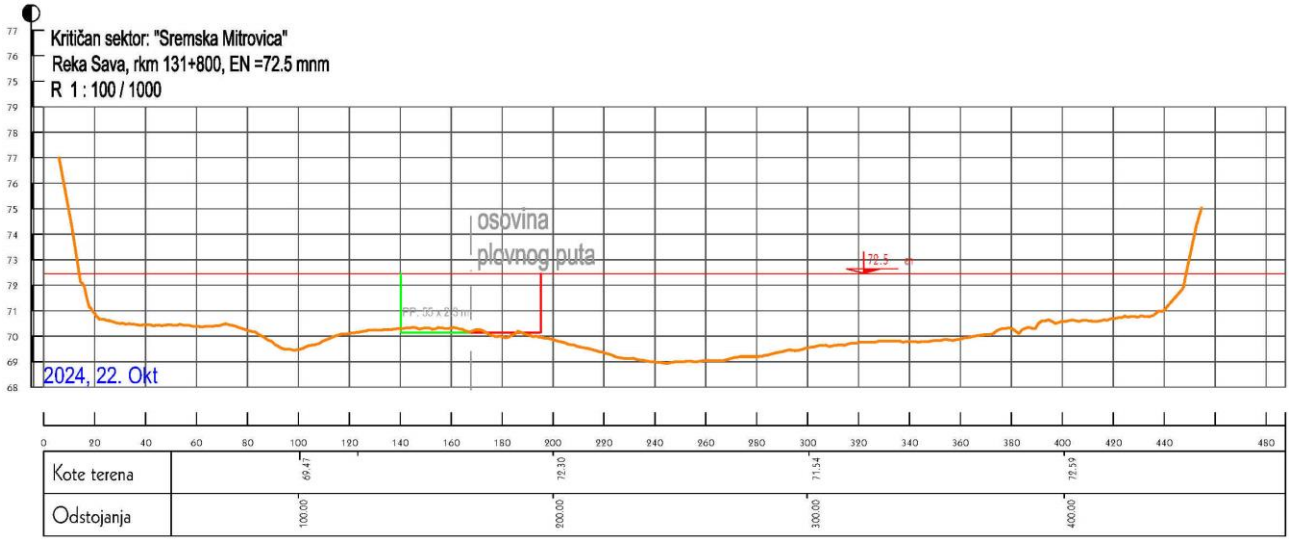


Waterway data/available (reduced) fairway parameters assessed to the waterway class

rkm	B-theor	B-navigable	B-available	Hmax-available	Hmin-theor
183+400	45	38	108	2.4	1.4
183+200	45	43	76	2.4	1.5
182+400	45	39	223	2.6	1.5
181+600	45	34	115	3.7	1.6
181+400	45	26	108	2.9	1.2
181+200	45	2	82	5.8	1.2
178+800	45	0	166	4.6	1.0
178+600	45	29	184	6	1

Critical sector: Sremska Mitrovica

Characteristic cross-section profiles at critical sectors – hydromorphological changes in profiles (according to the annual bathymetric survey on October 22, 2024)

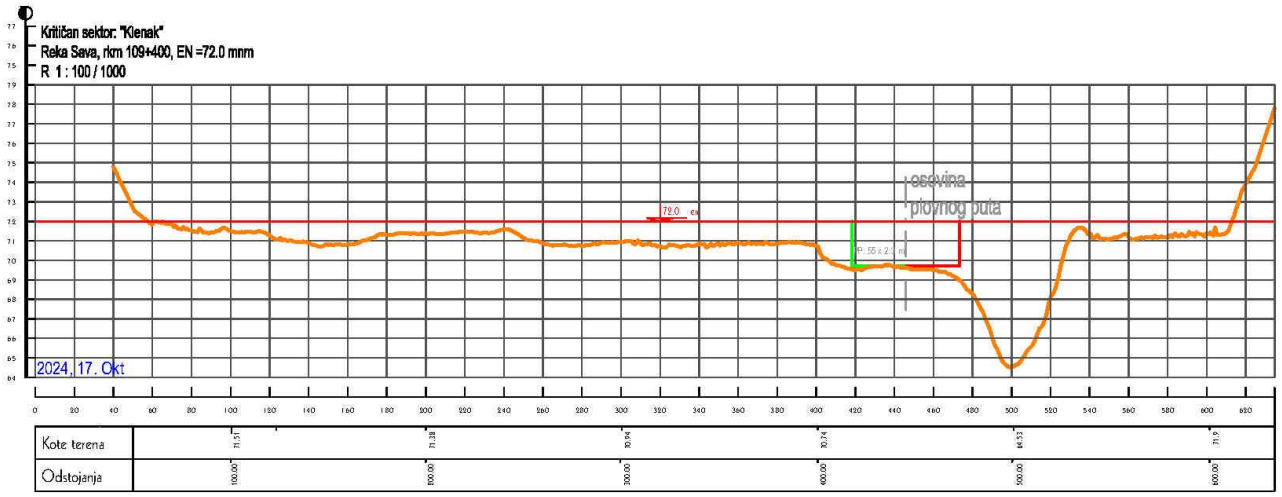


Waterway data/available (reduced) fairway parameters assessed to the waterway class

rkm	B-theor	B-navigable	B-available	Hmax-available	Hmin-theor
131+800	55	22	186	3.5	2.1
131+600	55	55	214	4.0	2.3
127+200	55	55	225	3.1	2.3

Critical sector: Klenak

Characteristic cross-section profiles at critical sectors – hydromorphological changes in profiles (according to the annual bathymetric survey on October 17, 2024)

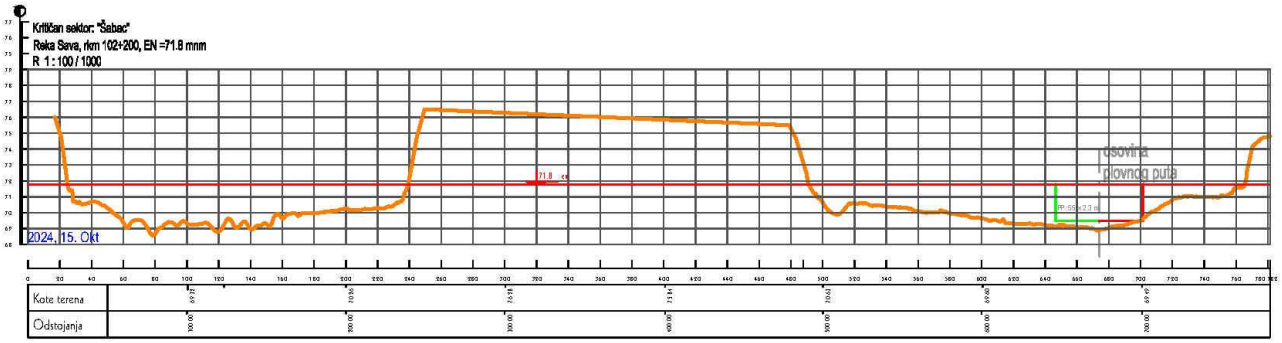


Waterway data/available (reduced) fairway parameters assessed to the waterway class

rkm	B-theor	B-navigable	B-available	Hmax-available	Hmin-theor
109+400	55	31	83	7.5	2.2

Critical sector: Šabac

Characteristic cross-section profiles at critical sectors – hydromorphological changes in profiles (according to the annual bathymetric survey on October 15, 2024)



Waterway data/available (reduced) fairway parameters assessed to the waterway class

rkm	B-theor	B-navigable	B-available	Hmax-available	Hmin-theor
102+200	55	52	85	2.9	2.1
93+800	55	55	84	3.2	2.3

Note: Dredging works performed in 2018, 2019 and 2020 assured fairway parameters required by the waterway class over the whole stretch of the critical sector „Šabac". Hydrographic images from 2024 revealed a slight deterioration in the waterway from the design.

Critical sector: Kamičak

Characteristic cross-section profiles at critical sectors – hydromorphological changes in profiles (according to the annual bathymetric survey on October 3, 2024)

Note: Dredging works performed in 2017 assured fairway parameters required by the waterway class along the entire stretch of the critical sector „Kamičak".

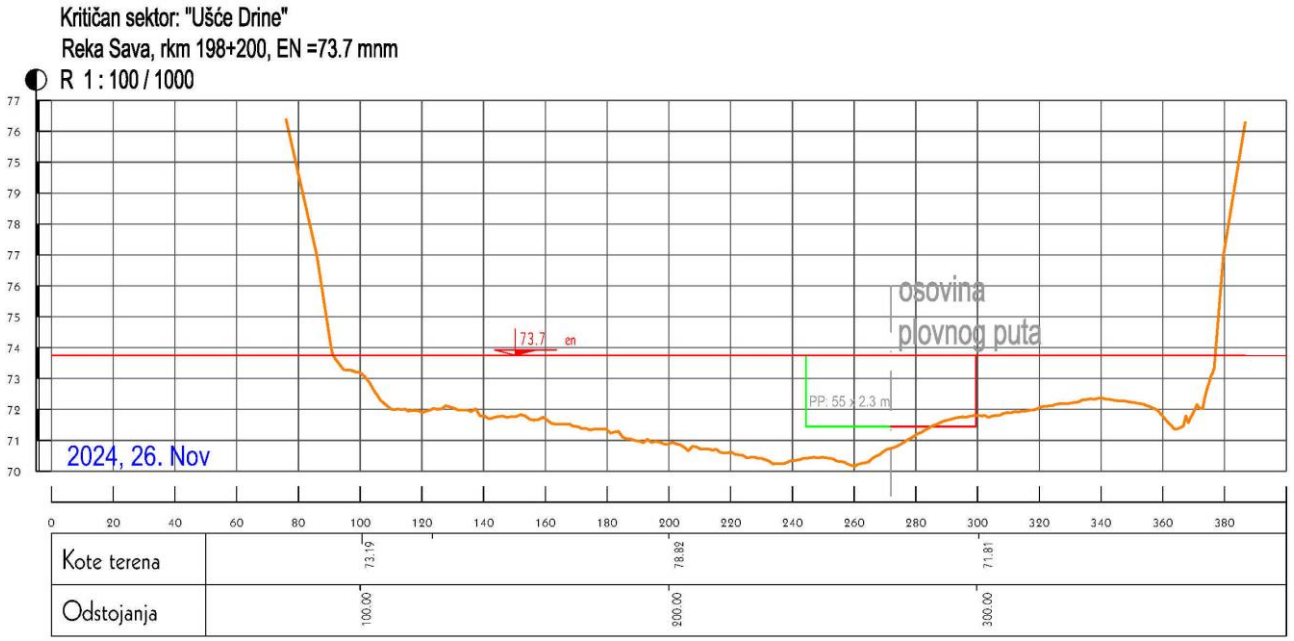
Waterway data/available (reduced) fairway parameters assessed to the waterway class

rkm	B-theor	B-navigable	B-available	Hmax-available	Hmin-theor
-	55	55			

Other sectors with noticeable changes in river bed morphology in 2022

River stretch: rkm 199+000 - rkm 196+000

Characteristic cross-section profiles at critical sectors – hydromorphological changes in profiles (according to the annual bathymetric survey on November 26, 2024)



Waterway data/available (reduced) fairway parameters assessed to the waterway class

rkm	B-theor	B-navigable	B-available	Hmax-available	Hmin-theor
198+200	55	41	116	4.1	1.9
198+000	55	54	121	4.3	2.3

River stretch: rkm 196+000 - rkm 193+000

Characteristic cross-section profiles at critical sectors – hydromorphological changes in profiles (according to the annual bathymetric survey on November 26, 2024)

Waterway data/available (reduced) fairway parameters assessed to the waterway class

rkm	B-theor	B-navigable	B-available	Hmax-available	Hmin-theor
-	45	45			

Explanation of values in tables with Waterway data/available (reduced) fairway parameters assessed to the waterway class

rkm – Profile position

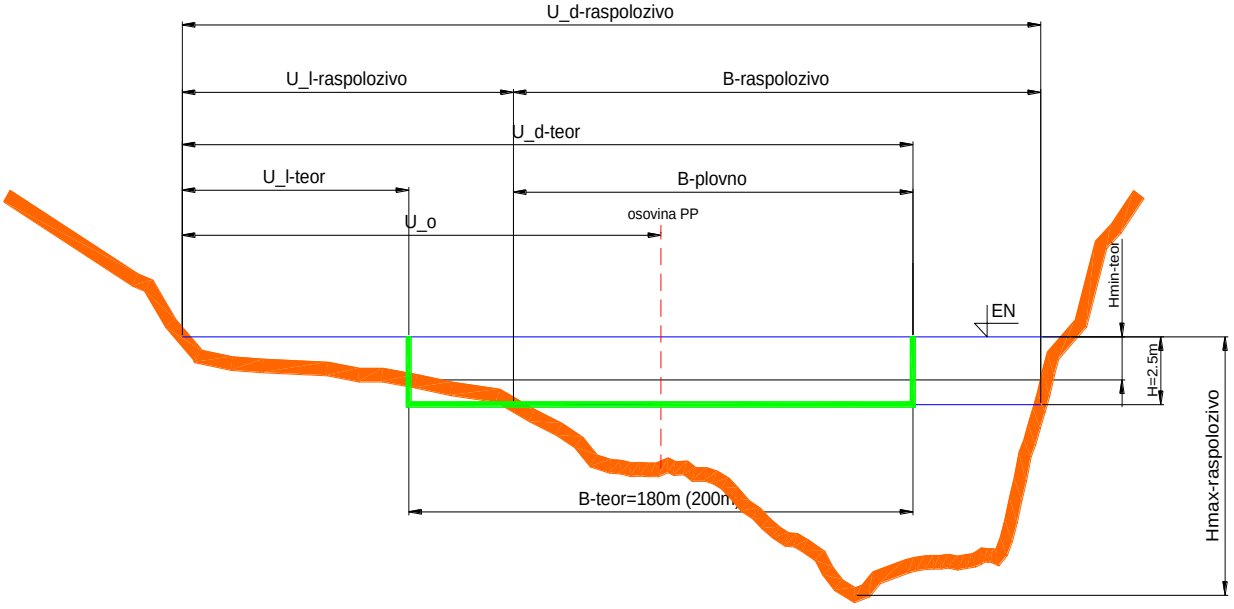
B – theor – Defined (theoretical) fairway width

B-navigable – Available waterway width corresponding to appropriate vessel draft at the low navigable water level LNL in defined (theoretical) fairway

B-available – Available waterway width corresponding to appropriate vessel draft at the low navigable water level LNL in the defined (theoretical) fairway in the whole cross-section profile

Hmax- available – Maximal depth in the available fairway corresponding to the low navigable water level LNL

Hmin-teor – Minimal depth in the defined (theoretical) fairway corresponding to the low navigable water level LNL



Note: Hydromorphological changes at specific sectors and parameters shown above were calculated in accordance with the waterway class given in the table below (ISRBC Decision 5/17 on the Adoption of the Classification of the Sava River waterway), while relevant waterway agencies from Croatia and Serbia provided the profiles with depicted morphological changes.

Section of the Sava River		Length (km)	Waterway Class
downstream (rkm)	upstream (rkm)		
0,0 Sava Mouth	**81,0** Kamičak	81,0	Va
81,0 Kamičak	**176,0** Rača	95,0	IV
176,0 Rača	**196,0** Domuskela	20,0	III
196,0 Domuskela	**313,7** Slavonski Šamac Šamac	117,7	IV
313,7 Slavonski Šamac Šamac	**338,2** Oprisavci Rit kanal	24,5	III
338,2 Oprisavci Rit kanal	**371,2** Slavonski Brod Brod	33,0	IV
371,2 Slavonski Brod Brod	**594,0** Sisak	222,8	III

2. MARKING PLAN

2.1. CODES OF SIGNS USED IN MARKING PLAN

MAIN SIGNS FOR WATERWAY MARKING

A.1a		*No entry*
A.2		*No overtaking*
A.3		*No overtaking convoys by convoys*
A.4		*No passing or overtaking*
A.5		*No berthing (i.e. no anchoring or making fast to the bank)*
A.6		*No anchoring or trailing of anchors, cables or chains*
A.7		*No making fast to the bank*
A.8		*No turning*
A.9a		*Do not create wash*
A.10		*No passing outside the area marked (in openings of bridges)*
A.11		*Entry prohibited, but prepare to get underway*
A.12		*Motorized crafts prohibited*
A.13		*All sports or pleasure craft prohibited*
A.14		*Water skiing prohibited*
A.15		*Sailing vessels prohibited*
A.16		*All craft other than motorized vessels or sailing craft prohibited*
A.17		*Use of sailboats prohibited*
A.18		*End of zone for high speed navigation of small sport and pleasure craft*

Main signs for waterway marking
(in accordance with Navigation rules on the Sava River):
A: Prohibitory signs;
B: Mandatory signs;
C: Restrictive signs;
D: Recommendatory signs;
E: Informative signs.

A.19		*No launching or beaching of vessels*
A.20		*Water bikes prohibited*
B.1		*Proceed in the direction shown by the arrow*
B.2a		*Move to the side of the fairway on your port side*
B.2b		*Move to the side of the fairway on your starboard side*
B.3a		*Keep to the side of the fairway on your port side*
B.3b		*Keep to the side of the fairway on your starboard side*
B.4a		*Cross fairway to port*
B.4b		*Cross fairway to starboard*
B.5		*Stop as prescribed in Regulations*
B.6		*Do not exceed the speed indicated (in km/h)*
B.7		*Give a sound signal*
B.8		*Keep a particularly sharp lookout*
B.9a		*Do not enter or cross the main waterway until certain that this will not oblige vessels proceeding on it to change their course or speed*
B.9b		*Do not enter or cross the main waterway until certain that this will not oblige vessels proceeding on it to change their course or speed*
B.10		*Vessels proceeding on the main waterway must, if necessary, change course and speed to allow vessels to leave harbours or tributary waterways*
B.11a		*Obligation to enter into radiotelephone link*
B.11b		*Obligation to enter into a radiophone link on the fairway as indicated on the board*
C.1a		*Depth of water limited*

C.1b		*Depth of water limited*
C.2a		*Headroom limited*
C.2b		*Headroom limited*
C.3a		*Width of passage or fairway limited*
C.3b		*Width of passage or fairway limited*
C.4		*There are restrictions on navigation: make enquiries*
C.5		*The fairway lies at a distance from the right (left) bank*
D.1a		*Recommended fairway in both directions*
D.1b		*Recommended fairway in both directions*
D.1c		*Recommended fairway only in the direction indicated (passage in the opposite direction prohibited)*
D.1d		*Recommended fairway only in the direction indicated (passage in the opposite direction prohibited)*
D.1e		*Recommended fairway only in the direction indicated (passage in the opposite direction prohibited)*
D.1f		*Recommended fairway only in the direction indicated (passage in the opposite direction prohibited)*
D.2a		*Recommendation to keep within the area indicated (in openings of bridges or weirs)*
D.3a		*You are recommended to proceed in the direction shown by the arrow*
E.1a		*Entry permitted (general sign)*
E.2		*Overhead cable crossing*
E.3		*Weir*
E.4a		*Ferry-boat not moving independently*

E.4b		*Ferry-boat moving independently*
E.5		*Berthing (anchoring or making fast to the bank) permitted*
E.5.1		*Berthing permitted on the stretch of water of the breadth measured from, and shown on the board in meters*
E.5.2		*Berthing permitted on the stretch of the water bounded by the two distances measured from, and shown on the board in meters*
E.5.3		*Maximum number of vessels permitted to berth abreast*
E.5.4		*Berthing area reserved for pushing-navigation vessels that are not required to carry the marking*
E.5.5		*Berthing area reserved for pushing-navigation vessels that are required to carry one blue light or one blue cone*
E.5.6		*Berthing area reserved for pushing-navigation vessels that are required to carry two blue lights or two blue cones*
E.5.7		*Berthing area reserved for pushing-navigation vessels that are required to carry three blue lights or three blue cones*
E.5.8		*Berthing area reserved for vessels other than pushing-navigation vessels that are not required to carry the marking*
E.5.9		*Berthing area reserved for vessels other than pushing-navigation vessels that are required to carry one blue light or one blue cone*
E.5.10		*Berthing area reserved for vessels other than pushing-navigation vessels that are required to carry two blue lights or two blue cones*
E.5.11		*Berthing area reserved for vessels other than pushing-navigation vessels that are required to carry three blue lights or three blue cones*
E.5.12		*Berthing area reserved for all vessels that are not required to carry the marking*
E.5.13		*Berthing area reserved for all vessels that are required to carry one blue light or one blue cone*
E.5.14		*Berthing area reserved for all vessels that are required to carry two blue lights or two blue cones*
E.5.15		*Berthing area reserved for all vessels that are required to carry three blue lights or three blue cones*
E.6		*Anchoring or trailing of anchors, cables or chains permitted*
E.7		*Making fast to the bank permitted*

E.7.1		*Berthing area reserved for loading and unloading vehicles. (Maximum duration of berthing permitted may be added on an information plate below the board)*
E.8		*Turning area*
E.9a		*The waterways being approached are considered to be tributaries of the waterway*
E.9b		*The waterways being approached are considered to be tributaries of the waterway*
E.10a		*This waterway is considered to be a tributary of the waterway being approached*
E.10b		*This waterways is considered to be a tributary of the waterway being approached*
E.11a		*End of a prohibition or obligation applying to traffic in one direction only, or end of a restriction*
E.11b		*End of a prohibition or obligation applying to traffic in one direction only, or end of restriction*
E.13		*Drinking-water supply*
E.14		*Telephone*
E.15		*Motorized vessels permitted*
E.16		*Sports or pleasure craft permitted*
E.17		*Water skiing permitted*
E.18		*Sailing vessels permitted*
E.19		*Craft other than motorized vessels or sailing craft premitted*
E.20		*Use of sailboards permitted*
E.21		*Zone authorized for high speed navigation of small sport and pleasure craft*
E.22		*Launching or beaching of vessels permitted*
E.23		*Possibility of obtaining nautical information by radio-telephone on the channel indicated*

E.24		*Water bikes permitted*
E.25		*Available power supply*
E.26		*Winter harbour*
E.26.1		*Maximum number of vessels allowed in the winter harbour*
E.27		*Winter shelter*
E.27.1		*Maximum number of vessels allowed in the winter shelter* *- Maximum number of vessels permitted to berth abreast* *- Maximum number of rows of vessels permitted to berth abreast*
		*Kilometer mark*

1.A		*Red buoy with light*
1.B		*Red bouy without light*
1.C		*Red float with a topmark*
1.D		*Red spar*
1.F		*Buoyage and marking of danger points and obstacles: right-hand side - spar-bouy*
1.F1		*Buoyage and marking of danger points and obstacles: right-hand side - spar*
2.A		*Green buoy with light*
2.B		*Green bouy without light*
2.C		*Green float*
2.D		*Green spar*
2.F		*Buoyage and marking of danger points and obstacles: left-hand side - spar-buoy*
2.F1		*Buoyage and marking of danger points and obstacles: left-hand side - spar*
3.A		*Bifurcation buoy with light*
3.B		*Bifurcation buoy without light*
3.C		*Bifurcation float with a topmark*
3.D		*Bifurcation spar*
3.E		*Bifurcation of the fairway with mark that indicates on which side it is preferable to pass*
3.F		*Bifurcation of the fairway with mark that indicates on which side it is preferable to pass*
3.F1		*Bifurcation of the fairway with mark that indicates on which side it is preferable to pass*

Signs for fairway marking:
(in accordance with Navigation rules on the Sava River):

1-3: Floating signs for fairway marking;
4-6: Marks on land indicating the position of the fairway in relation to the banks;
8: Additional marking for navigation by radar

3.E1		*Bifurcation of the fairway with mark that indicates on which side it is preferable to pass*
4.A		*Fairway near the right bank - with light*
4.B		*Fairway near the right bank - without light*
4.C		*Marking cross-overs - Right bank: with light*
4.D		*Marking cross-overs - Right bank: without light*
4.F		*Unlighted bank mark on the right bank marking danger points and obstacles*
5.A		*Fairway near the left bank - with light*
5.B		*Fairway near the left bank - without light*
5.C		*Marking cross-overs - Left bank: with light*
5.D		*Marking cross-overs - Left bank: without light*
5.F		*Unlighted bank mark on the left bank marking danger points and obstacles*
6.A		*Buoyage and marking of danger points and obstacles: bifurcation with light*
6.B		*Buoyage and marking of danger points and obstacles: bifurcation without light*
8.C		*Additional marking for navigation by radar: Marking of bridge piers (if necessary)*
8.C1		*Additional marking for navigation by radar: Yellow floats with radar reflector (placed upstream and downstream from piers)*
8.C2		*Pole with radar reflector placed upstream and downstream from bridge piers*

2.2. SAVA RIVER

RIGHT BANK	Distance rkm	LEFT BANK
km	594.0	
km	593.0	
	592.0	km
	591.1	
km	591.0	
	590.0	km
	589.0	km
km	588.0	
	587.8	
km	587.0	
	586.5	
km	586.0	
	585.0	
km	585.0	
	584.5	
	584.1	
km	584.0	
	583.5	

RIGHT BANK	Distance rkm	LEFT BANK
	583.3	
km	583.0	
km	582.0	
	581.6	
	581.4	
	581.1	
km	581.0	
	580.7	
	580.0	km
	579.0	km
	579.0	
	578.2	
	578.2	
km	578.0	
	577.0	km
	576.2	
	576.0	km
	576.0	

RIGHT BANK	Distance rkm	LEFT BANK	RIGHT BANK	Distance rkm	LEFT BANK
	575.1			566.0	
	575.0			565.1	
	575.0			565.0	
	574.8			565.0	
	574.5			564.5	
	574.0			564.0	
	573.5			563.7	
	573.0			563.0	
	572.0			562.9	
	571.0			562.6	
	570.0			562.0	
	570.0			562.0	
	569.0			561.0	
	568.0			560.0	
	567.3			559.0	
	567.3			559.0	
	567.0			558.0	
	566.0			557.1	

RIGHT BANK	Distance rkm	LEFT BANK
	557.0	
	556.0	
	555.4	
	555.0	
	554.8	
	554.2	
	554.0	
	553.0	
	553.0	
	552.5	
	552.0	
	551.0	
	550.5	
	550.0	
	549.0	
	548.0	
	547.0	
	546.0	

RIGHT BANK	Distance rkm	LEFT BANK
	546.0	
	545.0	
	544.0	
	543.0	
	542.1	
	542.0	
	541.5	
	541.0	
	540.0	
	539.0	
	539.0	
	538.0	
	537.9	
	537.0	
	536.0	
	535.2	
	535.0	
	534.0	

RIGHT BANK	Distance rkm	LEFT BANK
	533.0	km
	532.6	
	532.1	
	532.0	km
	531.0	km
	531.0	
	530.0	km
	529.0	km
	528.8	
	528.0	km
	527.0	km
	526.0	km
	525.5	
	525.0	km
	524.0	km
	523.0	km
	522.0	km
	521.0	km

RIGHT BANK	Distance rkm	LEFT BANK
	520.0	km
	519.0	km
	518.5	
	518.5	
	518.0	km
	517.4	
	517.0	km
	516.3	
	516.2	
	516.0	km
	515.9	
	515.8	
	515.6	
	515.0	km
	514.0	
	514.0	km
	514.0	
	513.0	km

RIGHT BANK	Distance rkm	LEFT BANK	RIGHT BANK	Distance rkm	LEFT BANK
	512.0	km		497.0	km
	511.0	km		496.0	km
	510.5			495.0	km
	510.0	km		494.0	km
	509.0	km		493.5	
	508.0	km		493.0	km
	507.0	km		492.0	km
	506.0	km		491.5	
	505.0	km		491.0	km
	504.0	km	km	490.0	
	503.0	km	km	489.0	
	502.8		km	488.0	
	502.0	km		487.0	km
	501.0	km		487.0	
	500.9			486.7	
	500.0	km		486.0	km
	499.0	km		485.0	km
	498.0	km		485.0	

RIGHT BANK	Distance rkm	LEFT BANK	RIGHT BANK	Distance rkm	LEFT BANK
	484.0			467.0	
	483.0			466.2	
	482.0			466.0	
	481.0			465.0	
	480.0			464.5	
	479.0			464.4	
	478.0			464.2	
	477.0			464.0	
	476.0			463.0	
	475.0			462.0	
	474.0			462.0	
	473.0			461.0	
	472.0			460.0	
	471.0			460.0	
	470.0			459.0	
	469.0			458.0	
	468.0			457.0	
	467.9			456.0	

RIGHT BANK	Distance rkm	LEFT BANK
	455.5	
	455.0	km
	454.1	
	454.0	km
	453.1	
	453.0	km
	452.6	
	452.0	km
	451.6	
	451.0	km
	450.0	km
	449.3	
	449.0	 km
	448.8	
	448.6	
	448.2	
	448.1	
	448.0	km

RIGHT BANK	Distance rkm	LEFT BANK
	447.0	km
	446.0	km
	445.0	km
	444.0	km
	443.0	km
	442.3	
	442.0	km
	441.0	km
	440.0	km
	439.0	km
	438.0	km
	437.9	
	437.0	km
	436.0	km
	435.0	km
	434.2	
	434.0	km
	433.0	km

RIGHT BANK	Distance rkm	LEFT BANK
	432.0	km
	431.0	km
	430.5	
	430.3	
	430.0	km
	429.1	
	429.0	km
	428.5	
	428.0	km
	427.0	km
	426.9	
	426.8	
	426.0	km
	425.1	
	425.0	km
	424.0	km
	423.0	km
	422.0	km

RIGHT BANK	Distance rkm	LEFT BANK
	421.0	km
	420.5	
	420.5	
	420.2	
	420.0	km
	419.7	
	419.0	km
	418.0	km
	418.0	
	417.0	km
	416.4	
	416.0	km
	415.0	km
	414.0	km
	413.0	km
	412.4	
	412.0	km
	411.0	km

RIGHT BANK	Distance rkm	LEFT BANK	RIGHT BANK	Distance rkm	LEFT BANK
	410.0	km		395.0	km
	409.0	km		394.8	
	408.0	km		394.0	km
	407.0	km		393.0	km
	406.0	km		392.0	km
	405.0	km		391.0	km
	404.0	km		390.0	km
	403.0	km		389.9	
	402.0	km		389.3	
	401.1			389.1	
km	401.0			389.0	km
	400.5			388.7	
	400.0	km		388.6	
	399.0	km		388.3	
	398.0	km		388.0	km
	397.4			387.0	km
	397.0	km		386.0	km
	396.0	km		385.3	

RIGHT BANK	Distance rkm	LEFT BANK	RIGHT BANK	Distance rkm	LEFT BANK
	385.0	km		376.4	
	384.1			376.0	km
	384.0	km		375.0	km
	383.2			375.0	
	383.1			375.0	
	383.0	km		374.9	
	382.0	km		374.8	
	381.0	km		374.5	
	380.8			374.2	
	380.0	km		374.1	
	379.4			374.1	
	379.0	km		374.0	km
	378.6			373.8	
	378.1			373.8	
	378.0	km		373.6	
	377.0	km		373.0	km
	376.7			372.0	km
	376.5			371.5	

RIGHT BANK	Distance rkm	LEFT BANK	RIGHT BANK	Distance rkm	LEFT BANK
	371.0	km		362.2	
	370.1			362.0	km
	370.0	km		361.2	
	369.0	km		361.0	km
	368.0	km		360.0	km
	367.3			359.0	km
	367.0	km		358.1	
	366.9			358.0	km
	366.8			357.0	km
	366.6			356.0	km
	366.3			355.0	km
	366.0	km		354.0	km
	365.0	km		353.0	km
	364.0	km		352.0	km
	363.6			351.0	km
	363.2			350.0	km
	363.0	km		349.0	km
	362.8			348.0	km

RIGHT BANK	Distance rkm	LEFT BANK
	347.0	km
	346.0	km
	345.0	km km
	345.0	
	344.0	km
	343.5	
	343.0	km
	342.8	
	342.2	
	342.0	km
	341.0	km
	340.0	km
	339.0	km
	338.0	km
	337.2	
	337.0	km
	336.7	
	336.0	km

RIGHT BANK	Distance rkm	LEFT BANK
	335.0	km
	334.0	km
	334.0	
	333.0	km
	332.0	km
	331.5	
	331.0	km
	330.3	
	330.0	km
	329.1	
	329.0	km
	328.6	
	328.3	
	328.0	km
	327.9	
	327.7	
	327.0	km
	326.9	

RIGHT BANK	Distance rkm	LEFT BANK	RIGHT BANK	Distance rkm	LEFT BANK
	326.0	km		317.0	km
	325.8			316.8	
	325.5			316.6	
	325.0	km		316.5	
	324.9			316.1	
	324.0	km		316.0	km
	323.0	km		315.0	km
	322.1			314.0	km
	322.0	km		313.0	
	321.7			312.9	
	321.3			312.8	
	321.0	km		312.5	
	320.8			312.1	
	320.5			312.0	km
	320.0	km		311.8	
	319.0	km		311.3	
	318.0	km		311.0	km
	317.1			310.9	

RIGHT BANK	Distance rkm	LEFT BANK	RIGHT BANK	Distance rkm	LEFT BANK
	310.8			302.0	
	310.0			302.0	
	309.3			301.0	
	309.0			300.5	
	308.5			300.0	
	308.0			299.8	
	307.5			299.5	
	307.4			299.0	
	307.0			298.0	
	306.6			297.0	
	306.4			296.6	
	306.0			296.0	
	305.0			295.0	
	304.7			294.6	
	304.0			294.0	
	303.5			293.7	
	303.2			293.0	
	303.0			292.3	

RIGHT BANK	Distance rkm	LEFT BANK
	292.0	km
	291.2	
	291.0	km
	290.0	km
	289.0	km
	288.5	
km	288.0	
	287.0	km
	286.0	km
	285.0	km
	284.0	km
	283.0	km
	282.0	km
	281.0	km
	280.0	km
	279.9	
	279.6	
	279.0	km

RIGHT BANK	Distance rkm	LEFT BANK
	278.0	km
	277.1	
	277.0	km
	276.8	
	276.5	
	276.4	
	276.0	km
	275.8	
	275.4	
	275.2	
	275.0	km
	274.0	km
	273.0	km
	272.5	
	272.0	km
	271.6	
	271.0	km
	270.0	km

RIGHT BANK	Distance rkm	LEFT BANK
	269.0	km
	268.7	
	268.0	km
	267.0	km
	266.0	km
	265.7	
	265.0	km
	264.0	km
	263.0	km
	262.9	
	262.7	
	262.5	
	262.0	km
	261.6	
	261.0	km
	260.0	km
	259.0	km
	258.0	km

RIGHT BANK	Distance rkm	LEFT BANK
	257.5	
	257.0	km
	256.7	
	256.4	
	256.0	km
	255.0	km
	254.9	
	254.0	km
	253.0	km
	252.0	km
	251.0	km
	250.0	km
	249.9	
	249.0	km
	248.0	km
	247.0	km
	246.0	km
km	245.0	

RIGHT BANK	Distance rkm	LEFT BANK	RIGHT BANK	Distance rkm	LEFT BANK
km	244.0			229.0	km
	243.7			228.6	
	243.0	km		228.4	
	242.0	km		228.2	
	241.0	km		228.1	
	240.0	km		228.0	km
	239.0	km		227.5	
km	238.0			227.3	
	237.0	km		227.0	km
	236.0	km		226.9	
	235.0	km		226.4	
	234.5			226.0	km
	234.0	km		225.0	km
	233.0	km		224.9	
	232.0	km		224.0	km
	231.0	km		223.2	
	230.4			223.0	km
	230.0	km		222.2	

RIGHT BANK	Distance rkm	LEFT BANK	RIGHT BANK	Distance rkm	LEFT BANK
	222.0	km		211.0	km
	221.4			210.7	
	221.0	km		210.0	km
	220.8			209.0	km
	220.0	km		208.5	
	219.7			208.0	km
	219.0	km	km	207.0	
	218.0	km	km	206.0	
	217.0	km		206.0	
	216.7		km	205.0	
	216.0	km		204.0	
	215.5			204.0	km
	215.0	km		203.0	km
	214.0	km	km	202.0	
	213.8			201.8	
	213.0	km	km	201.0	
	212.0	km		200.2	
	211.5			200.0	km

RIGHT BANK	Distance rkm	LEFT BANK
km	199.0	
km	198.0	
km	197.0	
km	196.0	
	195.0	km
	194.0	km
	193.0	km
	192.0	km
km	191.0	
	190.7	
km	190.0	
km	189.0	
km	188.0	
	187.0	km VHF 16
	186.0	km
km	185.0	
	184.3	
	184.0	km

RIGHT BANK	Distance rkm	LEFT BANK
	183.4	
	183.3	
	183.1	
	183.0	km
	182.0	km
	181.0	km
km	180.0	
	179.7	
km	179.0	
	178.7	
	178.0	km
	177.0	km
	176.9	
km	176.0	
	175.2	
	175.0	km
	174.8	
	174.0	km

RIGHT BANK	Distance rkm	LEFT BANK	RIGHT BANK	Distance rkm	LEFT BANK
	173.4			160.0	
	173.0			159.0	
	172.4			158.0	
	172.0			157.0	
	171.5			156.0	
	171.0			155.6	
	170.0			155.0	
	169.0			154.0	
	168.0			153.0	
	167.0			152.0	
	166.0			151.0	
	165.4			150.0	
	165.0			149.0	
	164.0			148.0	
	163.0			147.0	
	162.0			146.0	
	161.4			145.0	
	161.0			144.0	

RIGHT BANK	Distance rkm	LEFT BANK	RIGHT BANK	Distance rkm	LEFT BANK
	143.0	km		135.7	
km	142.0			135.0	km
km	141.0			134.8	
km	140.0			134.4	
	139.9			134.0	km
	139.3			133.0	km
km	139.0			132.0	km
	138.9			131.0	km
	138.9			130.0	km
	138.8			129.0	km
	138.5			128.0	km
	138.4			127.0	km
	138.1			126.0	
km	138.0			125.0	km
km	137.0			124.0	km
	136.6			123.0	
	136.0	km		122.0	km
	135.9			121.0	km

RIGHT BANK	Distance rkm	LEFT BANK	RIGHT BANK	Distance rkm	LEFT BANK
	120.0			109.0	
	119.0			108.4	
	118.0			108.0	
	117.0			107.5	
	116.0		 	107.0	
	115.0			107.0	
	114.0			106.2	
	113.0			106.0	
	112.5			105.0	
	112.0			104.5	
	111.1			104.0	
	111.0			103.0	
	110.7			102.4	
	110.6			102.0	
	110.3			101.0	
	110.2			100.9	
	110.0			100.0	
	109.3			99.7	

RIGHT BANK	Distance rkm	LEFT BANK
	99.0	
	98.9	
	98.5	
	98.4	
	98.0	
	98.0	
	97.8	
	97.3	
	97.2	
	97.0	
	96.9	
	96.0	
	95.0	
	94.0	
	93.6	
 	93.0	
	92.0	
	91.3	

RIGHT BANK	Distance rkm	LEFT BANK
	91.0	
	90.1	
	90.0	
	89.0	
	89.0	
	88.6	
	88.0	
	87.8	
	87.0	
	86.1	
	86.0	
	85.0	
	84.0	
	83.0	
	82.3	
	82.0	
	81.0	
	81.0	

RIGHT BANK	Distance rkm	LEFT BANK
	80.0	km
	79.0	km
	78.3	
	78.0	km
	77.0	km
	76.0	km
	75.3	
km	75.0	
	74.2	
	74.1	
km	74.0	
km	73.0	
	72.8	
km	72.0	
km	71.0	
km	70.0	
km	69.0	
km	68.0	

RIGHT BANK	Distance rkm	LEFT BANK
km	67.0	
km	66.0	
km	65.0	
km	64.0	
km	63.0	
km	62.0	
km	61.0	
km	60.0	
	59.0	km
	58.6	
	58.0	km
	57.3	
	57.0	km
km	56.0	
	55.9	
	55.4	
	55.0	km
	54.6	

RIGHT BANK	Distance rkm	LEFT BANK
km	54.0	
km	53.0	
km	52.0	
km	51.0	
km	50.0	
km	49.0	
	48.3	
	48.0	km
	47.0	km
	46.0	km
	45.0	km
	44.0	km
	43.1	
	43.0	km
	42.5	
	42.5	
km	42.0	
km	41.0	

RIGHT BANK	Distance rkm	LEFT BANK
km	40.0	
km	39.0	
km	38.0	
km	37.0	
	36.0	km
	35.3	
	35.0	km
	34.0	km
	33.0	km
	32.9	
	32.0	km
km	31.0	
	30.8	
km	30.0	
km	29.0	
	28.2	
km	28.0	
	27.9	

RIGHT BANK	Distance rkm	LEFT BANK
	27.0	
	26.0	
	25.0	
	24.3	
	24.0	
	23.0	
	22.0	
	21.0	
	20.0	
	19.6	
	19.3	
	19.0	
	18.0	
	17.6	
	17.0	
	16.5	
	16.2	
	16.0	

RIGHT BANK	Distance rkm	LEFT BANK
	15.5	
	15.4	
	15.4	
	15.4	
	15.3	
	15.1	
	15.0	
	15.0	
	14.0	
	13.0	
	12.6	
	12.0	
	11.0	
	10.0	
	9.0	
	8.0	
	7.6	
	7.4	

RIGHT BANK	Distance rkm	LEFT BANK
	7.4	
	7.0	
	6.3	
	6.0	
	6.0	
	5.8	
	5.0	
	5.0	
	5.0	
	4.0	
	3.9	
	3.6	
	3.2	
	3.1	
	3.0	
	3.0	
	2.8	
	2.7	

RIGHT BANK	Distance rkm	LEFT BANK
	2.6	
	2.5	
	2.0	
	1.6	
	1.5	
	1.4	
	1.0	
	0.9	
	0.7	
	0.7	
	0.7	
	0.5	
	0.4	
	0.2	
	0.0	

2.3. KUPA RIVER

RIGHT BANK	Distance rkm	LEFT BANK	RIGHT BANK	Distance rkm	LEFT BANK
	140.0	km		70.0	km
km	139.0		km	65.0	
	138.0	km		60.0	km
	137.0	km	km	55.0	
	136.0	km		50.0	km
km	135.0			45.0	km
	130.0	km	km	40.0	
km	125.0			35.0	km
	120.0	km	km	30.0	
	115.0	km		25.0	km
km	110.0			20.0	km
	105.0	km	km	15.0	
km	100.0		km	10.0	
	95.0	km	km	9.0	
	90.0	km	km	8.0	
km	85.0			7.0	km
	80.0	km		6.0	km
	75.0	km		5.0	km

RIGHT BANK	Distance rkm	LEFT BANK	RIGHT BANK	Distance rkm	LEFT BANK
	4.5				
	4.0				
	3.5				
	3.0				
	2.0				
	1.9				
	1.8				
	1.5				
	1.1				
	1.0				

2.4. SUMMARY OF USED MARKING SIGNS BY TYPE

SAVA RIVER	rkm 594,0 – rkm 0,0	**Croatia**	**B&H**	**Serbia**	**All**
Type of signs	**Description**				**Sum**
Main signs for waterway marking	Prohibitory, mandatory, restrictive, recommendatory, informative signs	112	55	145	312
Buoyage of the waterway	Buoys with light, Buoy without light, Floats and spars	78	65	43	186
Marks on land indicating the position of the fairway in relation to the banks	On the water, banks, with lights and without lights	46	34	23	103
Signs for marking danger points and obstacles	Unlighted bank mark	1	4	18	23
Additional marking for navigation by radar	Radar reflectors on the bridge piers	0	10	16	26
Signs on the water for marking broad waterways and lakes		0	0	0	0
Extraordinary signs	Kilometer mark	253	149	196	598
	Σ	**490**	**317**	**441**	**1248**
KUPA RIVER	rkm 5,0 – rkm 0,0				
Type of signs	**Description**				**Sum**
Main signs for waterway marking	Prohibitory, mandatory, restrictive, recommendatory, informative signs	6			6
Buoyage of the waterway	Buoys with light, Buoy without light, Floats and spars	4			4
Marks on land indicating the position of the fairway in relation to the banks	On the water, banks, with lights and without lights	0			0
Signs for marking danger points and obstacles	Unlighted bank mark	0			0
Additional marking for navigation by radar	Radar reflectors on the bridge piers				
Signs on the water for marking broad waterways and lakes					
Extraordinary signs	Kilometer mark	40			40
	Σ	**50**			**50**
	Σ (Sava and Kupa)	**540**	**317**	**441**	**1298**

2.5. EXPLANATORY NOTES

Note from Croatia

A marking plan on the Sava River from km 594.0 to km 343.0 for the year 2025 was prepared on the grounds of the actual state of the waterways and navigation safety objects on the Sava River, as well as the perceived morphological changes of the riverbed.

While preparing the Marking Plan, all valid regulations and rulebooks related to navigation on inland waterways of the Republic of Croatia, Bosnia and Herzegovina and the Republic of Serbia, as well as the decisions of the Sava Commission, were taken into account.

All changes to the Marking Plan that are to be performed during the year, as well as the information on the waterway state, will be timely addressed through the official state institutions to the authorized bodies for navigation safety – Port Masters Offices – which will further inform all other navigation actors by the Notices to Skippers (NtS) about the changes that have arisen.

All changes in the Marking Plan will be promptly presented in the appropriate application on the Sava Commission website.

In the overview of the Marking Plan for the Sava River waterway from rkm 594 to rkm 343 (in the ISRBC web application for waterway marking), it is not possible to archive the following marks that have been removed: rkm 425+100 on the right bank – 4.A (Channel near the right bank with light), rkm 376+500 on the left and right bank – A6. (No anchoring or trailing of anchors, cables or chains) and rkm 376+ 400 on the left and right bank A6. (No anchoring or trailing of anchors, cables or chains). In the summary overview, the mentioned signs have not been counted.

Note from Bosnia and Herzegovina

The BiH side has provided no information.

Note from Serbia

The marking Plan and Program of maintenance of the marking system on the Sava River from rkm 210,8 to rkm 0,0 (through the Republic of Serbia) for the year 2025 were prepared on the grounds of the actual state of the waterways and navigation safety objects on the Sava River, as well as the perceived morphological changes of the riverbed.

All valid regulations and rulebooks related to navigation on inland waterways of the Republic of Serbia, as well as the decisions of the Sava Commission, were taken into account for the preparation of the Marking Plan.

All changes to the Marking Plan that are to be performed during the year, as well as the information on the state of the waterways, will be timely addressed through the official state institutions to the authorized bodies for navigation safety – Port Masters Offices – which will further inform all other navigation actors by the Notices to Skippers (NtS) about the arisen changes.

All changes in the Marking Plan will be promptly presented in the appropriate application on the Sava Commission website.

3. REGULATION MEASURES PLAN FOR THE MAINTENANCE OF REQUIRED DIMENSIONS OF THE SAVA RIVER FAIRWAY

3.1. MAINTENANCE OF DEFINED PARAMETERS OF THE FAIRWAY

3.1.1 Dredging works planned in Croatia

Name of the sector	Section	Dredging quantities (m^3)	Bank side	Comment
Lonja - Strmen	552,0 - 556,0	30.000	LB/RB	Dredged material is to be disposed of along the LB and RB
Dolina	445,5 - 449,5	30.000	LB/RB	Dredged material to be disposed of along the LB on the Croatian side

3.1.2. Dredging works planned in Bosnia and Herzegovina*

Name of the sector	Length of the Section (m)	Dredging quantities (m^3)	Bank side	Comment
Ušće Ukrine	3,150	46.487,93	RB	Execution of works in progress. Deadline for contract implementation: June 30, 2025
Kej Luka	1400	9.458,85	RB	Execution of works in progress. Deadline for contract implementation: March 30, 2025
Begov put	670	238.519,41	RB	Execution of works in progress. Deadline for contract implementation: May 31, 2025

*Public Institution "Vode Srpske" and Sava River Watershed Agency deliver information on planned dredging works. The data provided are in line with the Protocol on Sediment Management to the FASRB to ensure sustainable sediment management for the water regime maintenance.

To some extent, such dredging works will be executed in the Sava River fairway, serving as waterway maintenance activity. For next year's Plan, particular attention will be paid to distinguishing quantities related to the waterway maintenance from those for the overall sustainable sediment management.

3.1.3. Dredging works planned in Serbia

Commercial dredging will be regularly performed on the Sava River following new relevant procedures ("Rulebook on the establishment of the river sediment extraction plan" - "Official gazette RS", No. 112 / 2023-12-05). Those procedures include conditions prescribed, among others, by the MCTI-Directorate for inland waterways. They are created bearing in mind morphological changes in the riverbed and fairway position and its required class. Therefore, additional dredging quantities with dual purposes (for works of public importance and fairway maintenance) will be performed in 2025.

3.2. MAINTENANCE OF EXISTING AND CONSTRUCTION OF NEW RIVER ENGINEERING STRUCTURES

3.2.1. Construction works planned in Croatia

The Agency for Inland Waterways, i.e. the Ministry of the Sea, Transport and Infrastructure, does not plan works on constructing and maintaining navigation security facilities in 2025. However, particular works on bank regulation - restoration and construction of the embankment – have been planned by Croatian Waters in the program's framework to protect against the harmful effects of water.

3.2.2. Construction works planned in Bosnia and Herzegovina

No information on the construction of new or maintenance of existing river engineering structures on the BIH side has been provided for 2025.

3.2.3. Construction works planned in Serbia

No work on the maintenance of existing or construction of new river engineering works has been planned to maintain the required dimensions of the Sava River fairway in 2025.