Co-financed by the Connecting Europe Facility of the European Union

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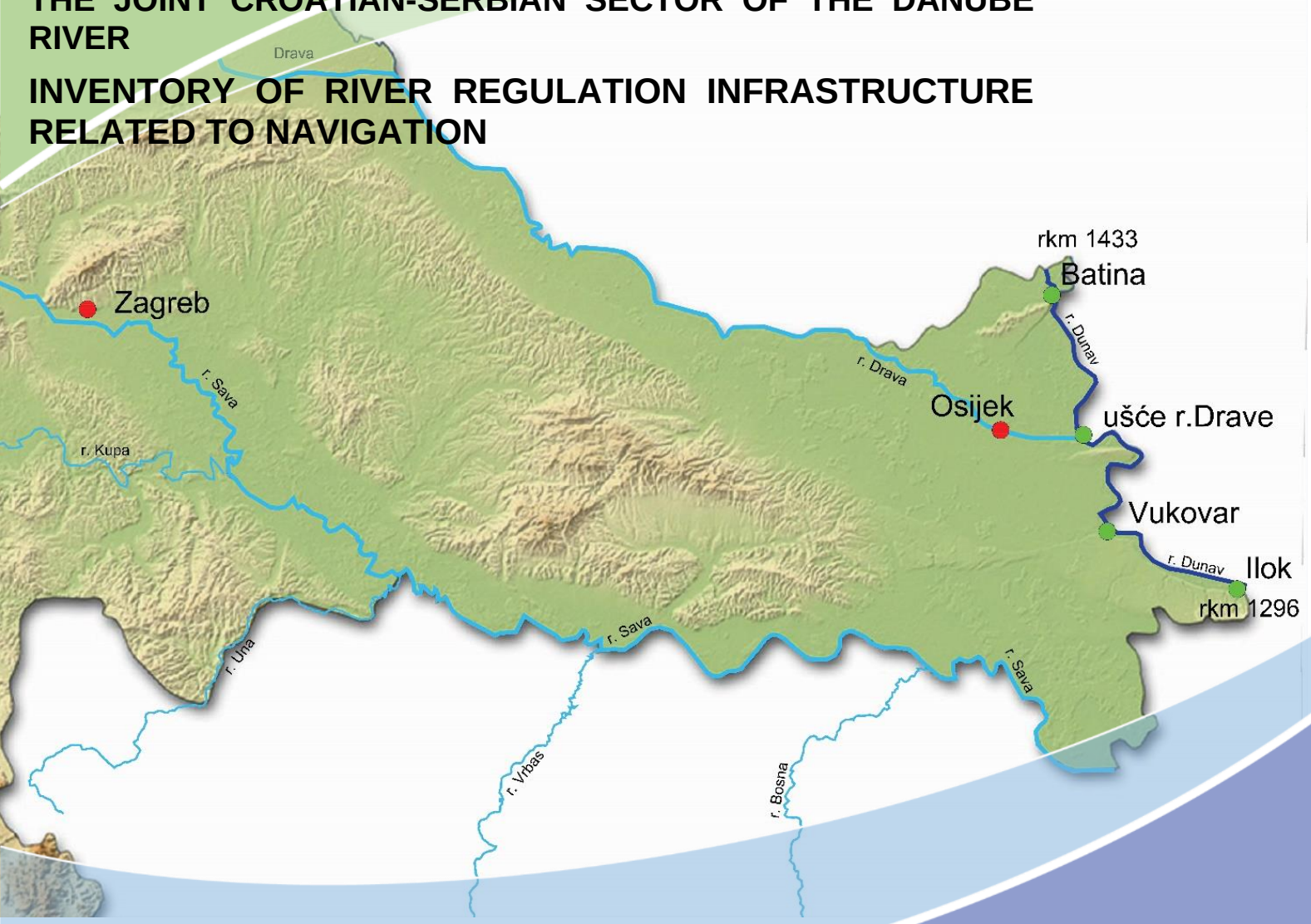
STUDY

MONITORING OF HYDROLOGICAL, HYDRAULIC AND MORPHOLOGICAL CHARACTERISTICS OF THE DANUBE RIVER AND INVENTORY OF BIODIVERSITY COMPONENTS ON THE JOINT CROATIAN-SERBIAN SECTOR OF THE DANUBE RIVER

INVENTORY OF RIVER REGULATION INFRASTRUCTURE RELATED TO NAVIGATION



hidroing d.o.o. za projektiranje i inženjering Osijek

Client: Ministry of the Sea, Transport and Infrastructure

Project number : I-2206/24

In Osijek, October 2024.

Preparing FAIRway2 works in the Rhine Danube Corridor (2019-EU-TM-0262-S and 2019-HR-TMC-0263-S)

Hidroing Ltd. for design and engineering
Tadije Smičiklasa 1, 31000 Osijek, Croatia

Tel: +385 (0)31 251-100
Fax: +385 (0)31 251-106
E-mail: hidroing@hidroing-os.hr
Web: http://www.hidroing-os.hr

Mjernik Ltd. for geodetic services and design
Hrvatskih žrtava 19, 32100 Vinkovci, Croatia

DOCUMENTATION:

TEHNICAL

Project number: **I-2206/24**

STUDY

MONITORING OF HYDROLOGICAL, HYDRAULIC AND MORPHOLOGICAL CHARACTERISTICS OF THE DANUBE RIVER AND INVENTORY OF BIODIVERSITY COMPONENTS ON THE JOINT CROATIAN-SERBIAN SECTOR OF THE DANUBE RIVER

INVENTORY OF RIVER REGULATION INFRASTRUCTURE RELATED TO NAVIGATION

CLIENT: Ministry of the Sea, Transport and Infrastructure

LOCATION: Danube river from rkm 1295,5 (Ilok) to rkm 1433,1 (border with Hungary)

MAIN DESIGNER: Igor Tadić, M.Sc.Eng.

CEO:

Vjekoslav Abičić, M.Econ.

In Osijek, October 2024.

EXPERT TEAM:

Hidroing Ltd. for design and engineering	Zdenko Tadić, M.Sc.Eng. Ana Marković, M.Sc.Eng. Dražen Brleković, M.Sc.Eng. Branimir Barač, M.Sc.Eng. Ivan Leninger, M.Sc.Eng. Ivan Nekić, M.Sc.Eng. mr.sc. Antonija Barišić-Lasović Doris Glibota, M.Sc.Biol.
Mjernik Ltd. for geodetic services and design	Andrej Krezić, M.Sc.Geod.

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1 INTRODUCTION

The subject of this project is the implementation of an inventory of all river regulation infrastructures related to navigation on the Danube River section from km 1295.5 to km 1433.1 as part of the project "Monitoring of hydrological, hydraulic and morphological characteristics of the Danube River and inventory of components biodiversity on the joint Croatian-Serbian sector of the Danube River". The general goal of the project is to ensure the foundation for a joint strategy and coordinated activities of Croatia and Serbia in order to maintain the Danube as an important international waterway in a way that will not endanger the remaining ecosystems and their biodiversity, and will continuously adapt to the current conditions in the river course and its banks through appropriate adaptive planning. This project performed the monitoring of parameters relevant for maintaining the navigational route on the joint Croatian-Serbian section of the Danube River from km 1295.5 (Ilok) to km 1433.1 (border with Hungary). The following tasks were required as part of the project:

- Determining the condition of all river regulation infrastructure along the entire joint Croatian-Serbian section of the Danube.
- Digitizing existing cadastral tables (in accordance with the documents titled " Katastar – shematski oblik građevina " and " Katastar – tablice ").
- Photographing and documenting all river regulation infrastructures at water levels that allow for visual inspection.
- Preparing an Elaborate - inventory of all river regulation infrastructures related to navigation, which includes the following: in table overview, displaying the name and type of the infrastructure, the chainage of the infrastructure, and the condition of the infrastructure (bad condition, satisfactory condition, good condition, excellent condition), accompanied by the collected field photographs (infrastructure photographed from multiple angles for a detailed visual impression).

2 METHODOLOGY OF INVENTORISATION OF RIVER REGULATION INFRASTRUCTURE

During the period from October 12 to November 13, 2023, fieldwork was conducted for the inventory of river regulation infrastructure along the left and right banks of the Danube River, from river kilometre 1295+500 (Ilok) to river kilometre 1433+100 (border with Hungary). The activities included geodetic surveying, photographing, and documenting all river regulation infrastructure in the specified area. Geodetic surveying encompassed both planimetric and altimetric surveying of individual structures. The photographing of river regulation infrastructures was done with location representation (GPS coordinates) and visual depiction of each infrastructure from upstream and downstream sides. Field notes were taken describing the position and condition of each infrastructure.

In total, 99 river regulation infrastructures on the right bank of the Danube and 93 river regulation infrastructures on the left bank, including revetments, groynes, parallel structures, imported fills, thresholds, and barriers, (in total 192) were processed. During the fieldwork, some of the structures were not observed and geodetic surveyed (imported fills, thresholds, groynes), 25 structures overall, and therefore are not shown in this document.

After the fieldwork, the infrastructures were analysed and documented in various textual and graphical formats:

- Serial number of the structure on the left or right bank
- River regulation infrastructure mark (e.g., 1423 – river kilometre of the infrastructure, D5 - right bank, fifth object (L = left bank))
- Infrastructure type: revetment, groyne, T-groyne, parallel structure, imported fills or barrier
- Chainage of the river regulation infrastructure– exact river kilometre of the infrastructure, for groyne and barriers in river kilometres, and for revetment, parallel structures and imported fills, the range from river kilometre to river kilometre
- Length of the river regulation infrastructure in meters (for groynes length is parallel with the flow.
- Crown or toe elevation of river regulation infrastructure in meters above sea level
- Mark and page number in the "Cadastral Register"
- Location of the infrastructure on an orthophoto base
- Pictures of the infrastructure
- Analysis of the condition and functionality of the river regulation infrastructure and additional notes

Examples of graphical and textual descriptions of river regulation infrastructures are shown in Figure 2.1. For each regulation structure (Chapter 3), 78 structures on the left bank of the Danube and 89 structures on the right bank of the Danube were presented, totalling 167 structures.

Functionality of river regulation infrastructure is described according to its role in river regulation.

Type of river regulation infrastructure	**Functionality of river regulation infrastructure**
Barrier	Barrier on backwater flow failed /finished at low water level.
Revetment	River bank protection from erosion ongoing/failed at low /medium /high water levels.
Groyne	Effect of material deposition ongoing/ failed/ finished (upstream, downstream).
Parallel structure	Effect of material deposition ongoing/ finished (upstream, downstream).
Imported fill	River bank protection from further erosion ongoing

The condition of the river regulation infrastructure was assessed in four categories.

- Bad condition
- Satisfactory condition
- Good condition

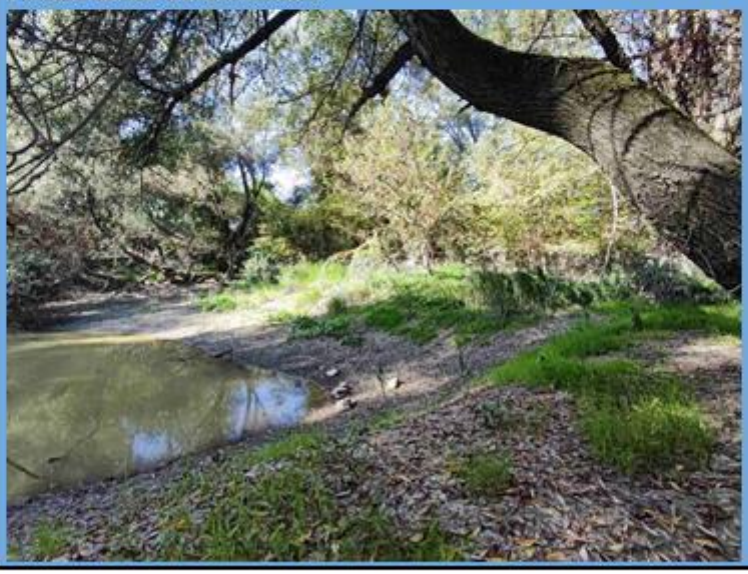
16. Right bank	Type:	Chainage (r.km)	Length (m)	Crown elevation (mnm)
1423-D5	**Groyne**	**1423+825**	**45,36**	**83,11**

Existing documentation

- CADASTRE MARK **1424/2**
- CADASTRE PAGE **2/3**

Location of the infrastructure

Picture of the infrastructure



Analysis

- Infrastructure is in satisfying condition.
- Effect of material deposition finished (upstream,downstream).
- Material deposit upstream and downstream of the groyne and overgrowth of plants are visible. Stone material is not visible.

Figure 2.1. Example of graphical and textual description of a river regulation infrastructure

In the table overview of river regulation infrastructures (Chapter 4), in addition to the data from graphical and textual descriptions of river regulation infrastructures, information from the "Cadastral Register Table" has been incorporated for each structure:

- River regulation infrastructure mark-Cadastre** mark
- River regulation infrastructure mark-Cadastre** page
- Crown width of river regulation infrastructure m – Cadastre**
- Slope inclinations - upstream- Cadastre**
- Slope inclinations – downstream- Cadastre**
- Cross-sectional area of river regulation infrastructure- Cadastre**
- Year of execution of works- Cadastre**

**Data retrieved from the "Cadastral Register Table"

Chapter 5 presents graphical attachments of river regulation infrastructures from river kilometre 1295 to 1433 on 16 maps, illustrating all river regulation infrastructures with categorizing infrastructures according to their types on a digital orthophoto base.

3 GRAPHICAL AND TEXTUAL DESCRIPTIONS OF RIVER REGULATION INFRASTRUCTURES

3.1 RIVER REGULATION INFRASTRUCTURE – RIGHT BANK

1. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1432-D3	**Groyne**	**1432+638**	**81,06**	**83,05**

Existing documentation

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- CADASTRE PAGE
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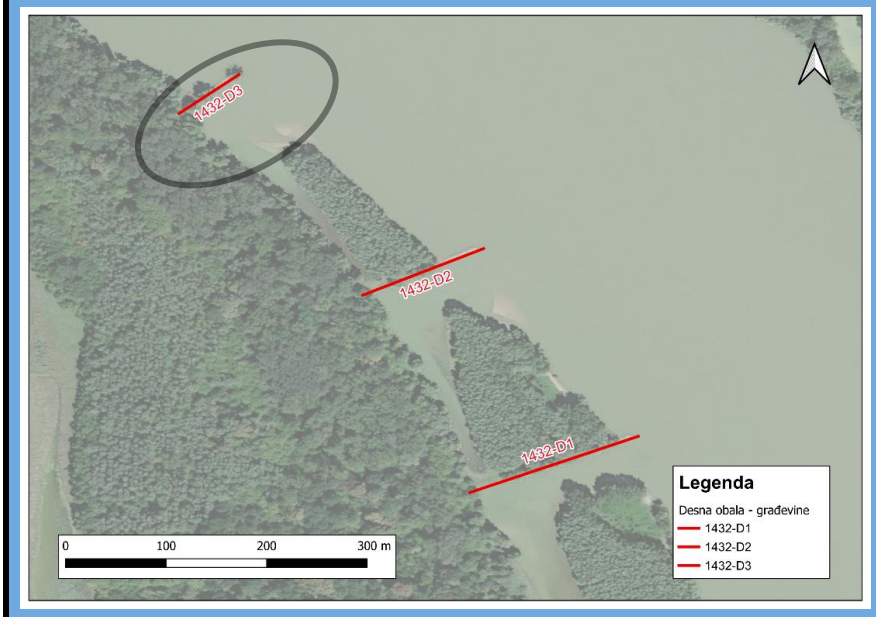
Location of the infrastructure



Picture of the infrastructure

1. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1432-D3	**Groyne**	**1432+638**	**81,06**	**83,05**

Analysis

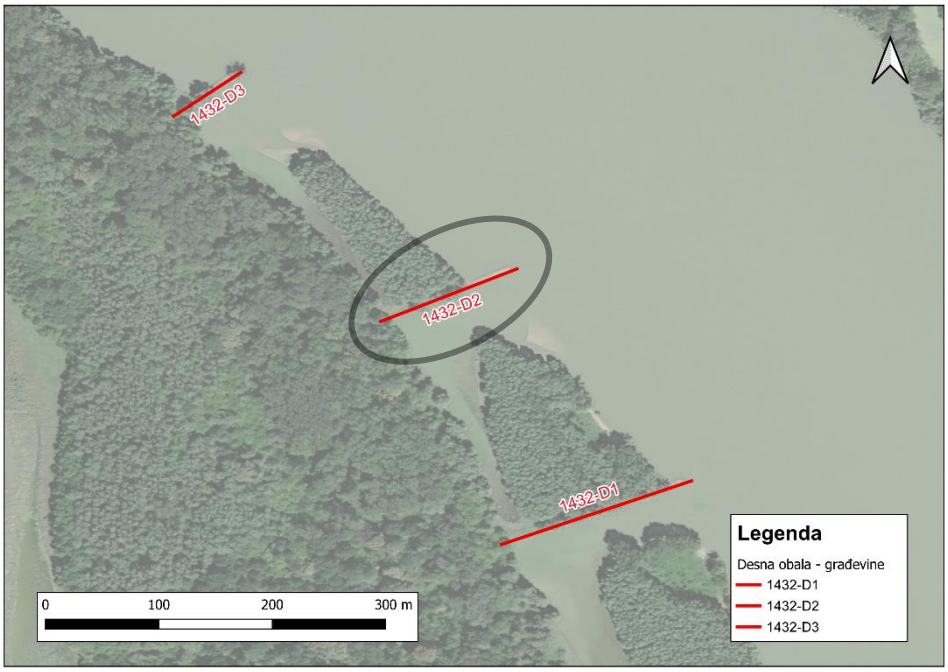
- Infrastructure is in good condition.
- Effect of material deposition ongoing (upstream, downstream).
- Groyne, the beginning of material deposition upstream and downstream of the groyne and trees on the groyne crown are visible.

2. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1432-D2	**Groyne**	**1432+339**	**137,41**	**82,33**

Existing documentation

- CADASTRE MARK **1432/1**
- CADASTRE PAGE **2/1**

Location of the infrastructure



Picture of the infrastructure

2. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1432-D2	**Groyne**	**1432+339**	**137,41**	**82,33**

Analysis

- Infrastructure is in good condition.
- Effect of material deposition ongoing (upstream, downstream).
- Groyne and the beginning of material deposition upstream and downstream of the groyne are visible. Upstream on the groyne, stone washout under the groyne crown connection is visible.

3. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1432-D1	**Groyne**	**1432+073**	**185,72**	**82,20**

Existing documentation

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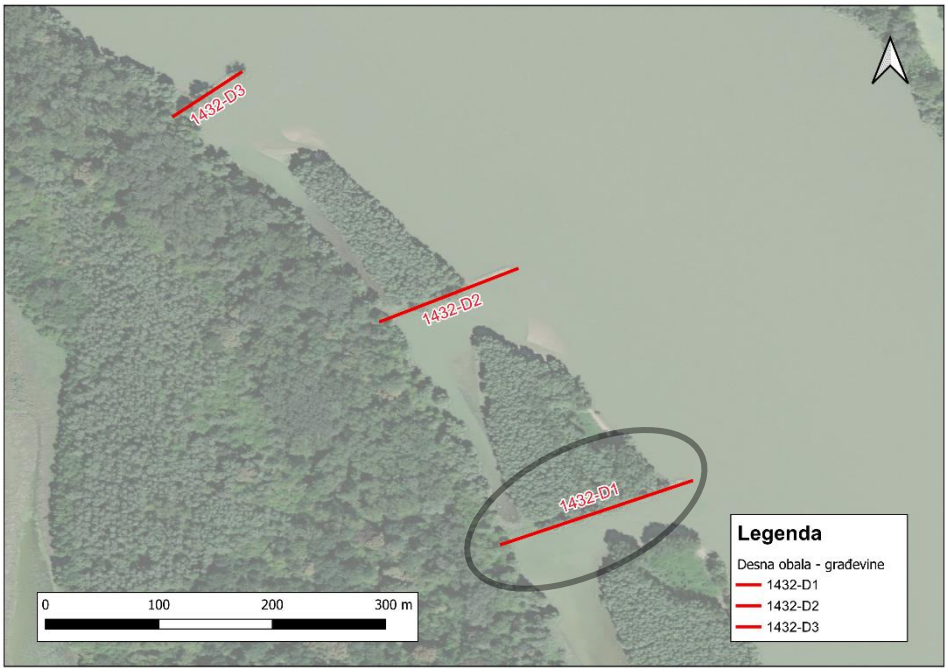
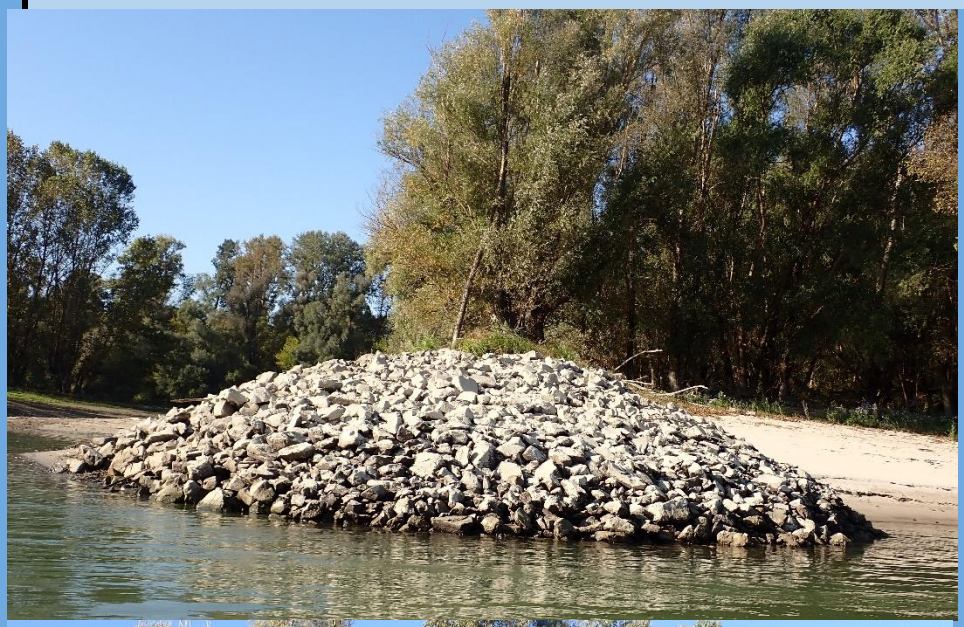
Location of the infrastructure



Picture of the infrastructure

3. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1432-D1	**Groyne**	**1432+073**	**185,72**	**82,20**



Analysis

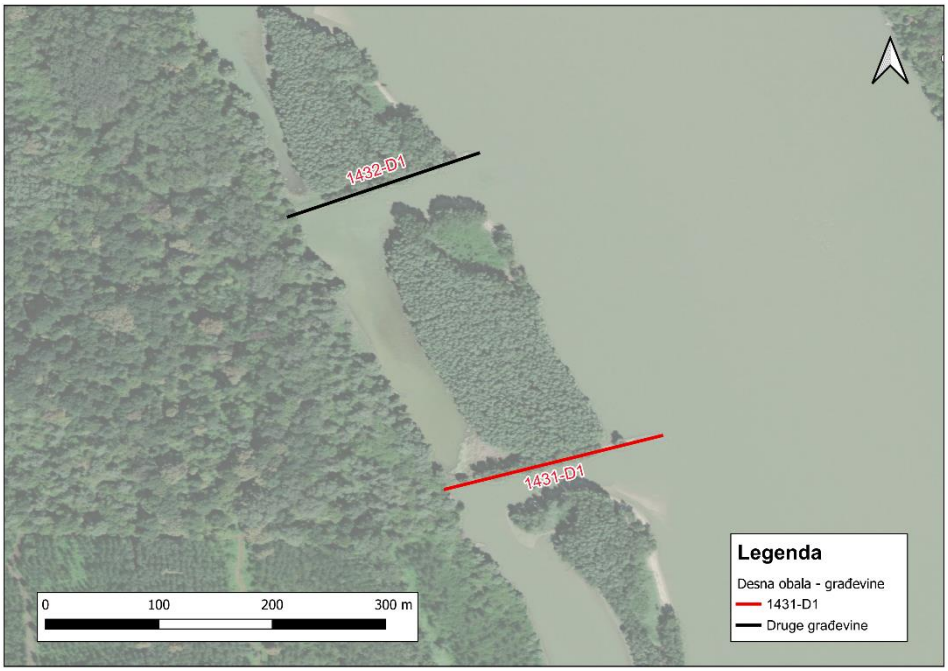
- Infrastructure is in good condition.
- Effect of material deposition ongoing (upstream, downstream).
- Groyne and the beginning of material deposition upstream and downstream of the groyne are visible. Upstream on the groyne, stone washout under the groyne crown connection is visible.

4. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1431-D1	**Groyne**	**1431+633**	**202,23**	**81,93**

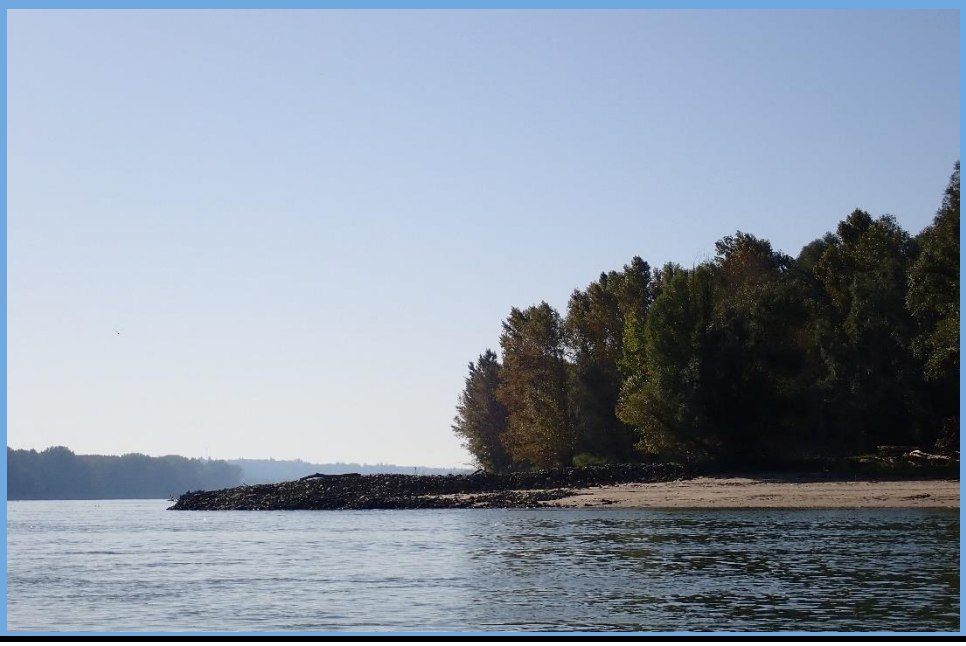
Existing documentation

- CADASTRE MARK **1431/1**
- CADASTRE PAGE **2/1**

Location of the infrastructure



Picture of the infrastructure



4. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1431-D1	**Groyne**	**1431+633**	**202,23**	**81,93**

Analysis

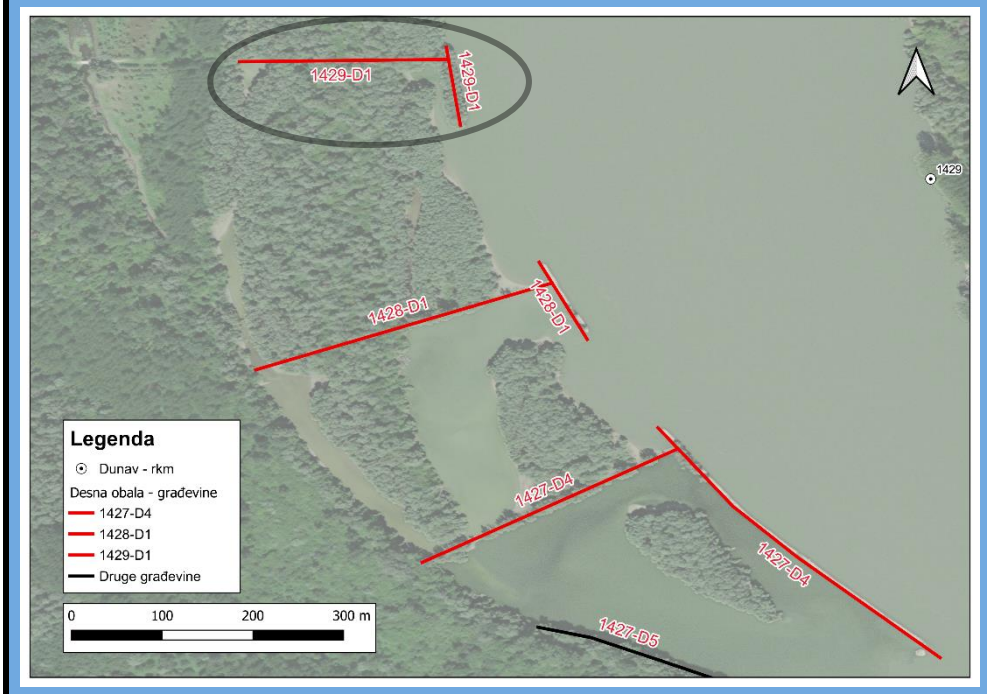
- Infrastructure is in good condition.
- Effect of material deposition ongoing (upstream, downstream).
- Groyne and the beginning of material deposition upstream and downstream of the groyne are visible. Upstream on the groyne, stone washout under the groyne crown connection is visible.

5. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1429-D1	**T-groyne**	**1429+282**	**124,15**	**82,45**

Existing documentation

- CADASTRE MARK **1428/3**
- CADASTRE PAGE **2/2**

Location of the infrastructure



Picture of the infrastructure

5. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1429-D1	**T-groyne**	**1429+282**	**124,15**	**82,45**

Analysis

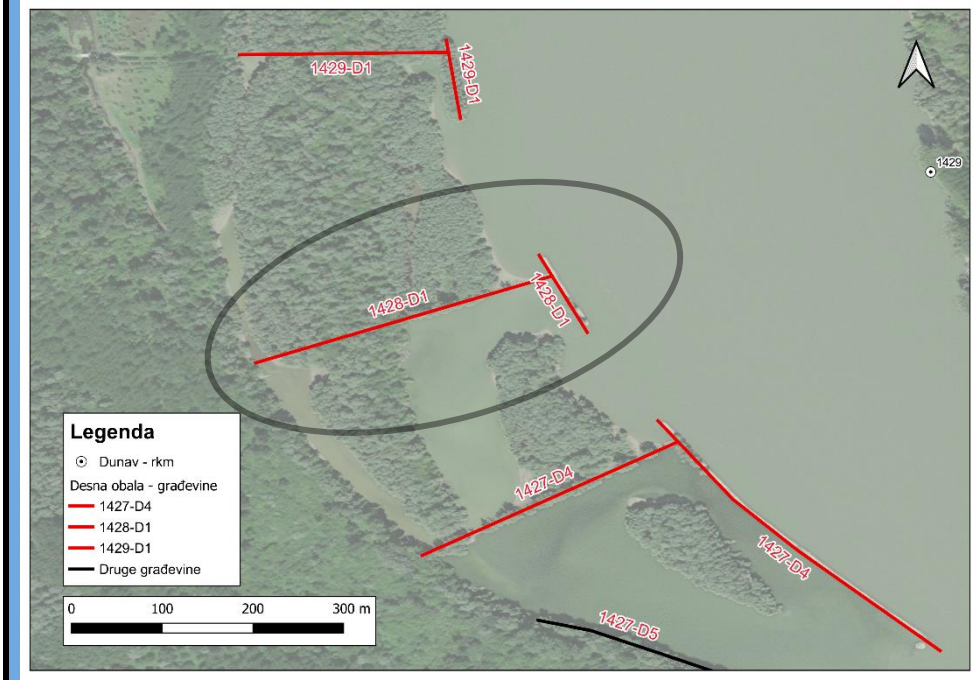
- Infrastructure is in good condition.
- Effect of material deposition ongoing (upstream, downstream).
- Stone material of groyne head and plants and trees on groyne crown head are visible. Material deposit and overgrowth of trees on groyne connection are visible.

6. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1428-D1	**T-groyne**	**1428+940**	**132,56**	**82,32**

Existing documentation

- CADASTRE MARK **1428/2**
- CADASTRE PAGE **2/2**

Location of the infrastructure



Picture of the infrastructure

6. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1428-D1	**T-groyne**	**1428+940**	**132,56**	**82,32**

Analysis

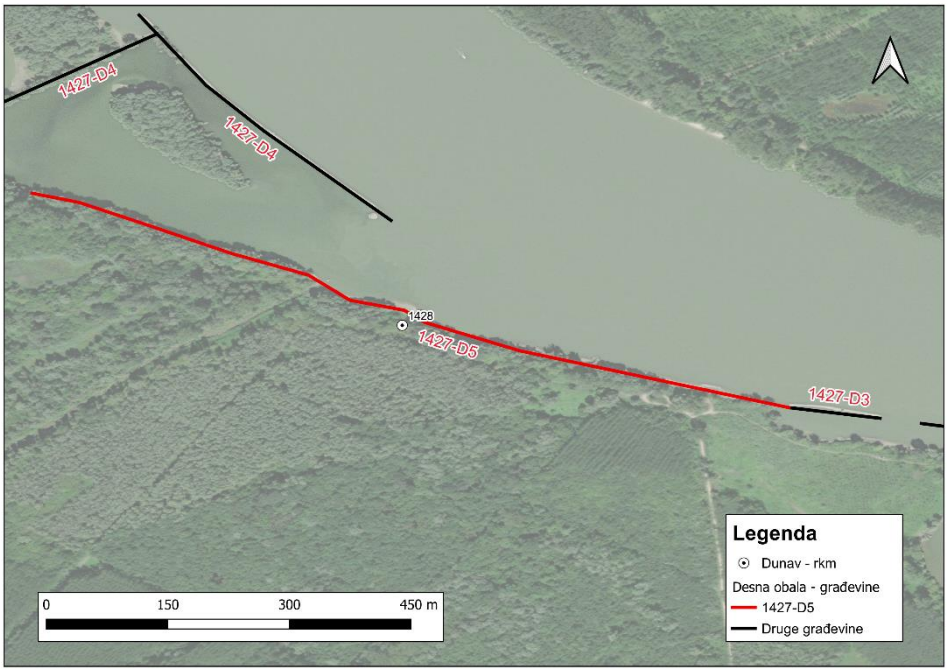
- Infrastructure is in good condition.
- Effect of material deposition ongoing (upstream, downstream).
- Groyne head and groyne connection are visible. The beginning of material deposition upstream and downstream of the groyne and plants and trees on groyne crown are visible.

7. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1427-D5	**Revetment**	**1428+442 do 1427+617**	**1015,98**	**82,16**

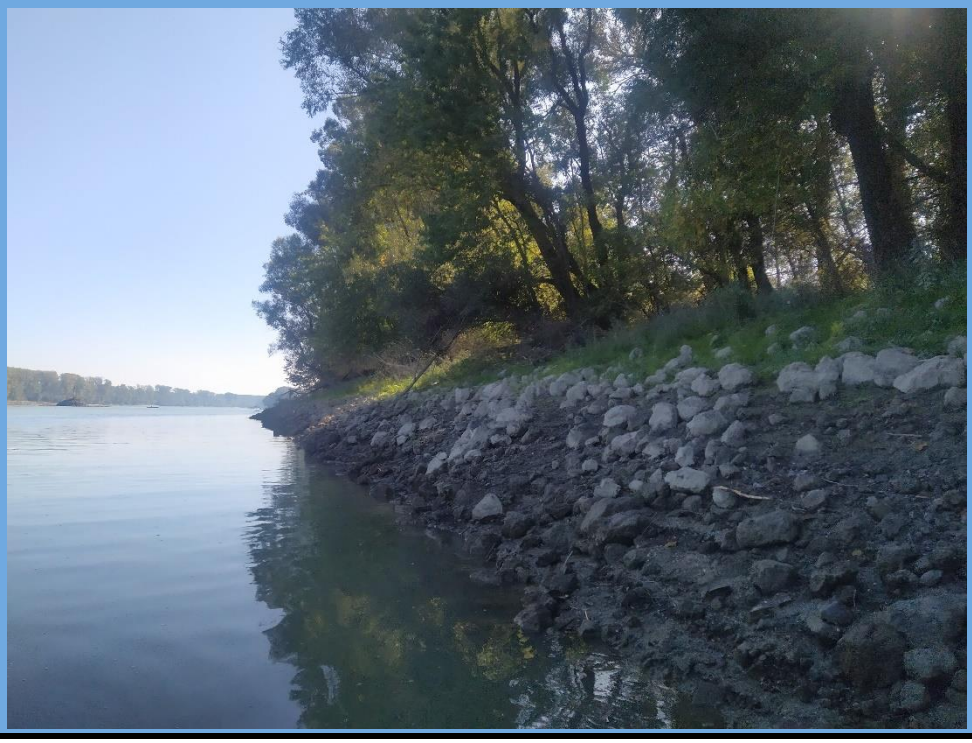
Existing documentation

- CADASTRE MARK **1427/1**
- CADASTRE PAGE **2/2**

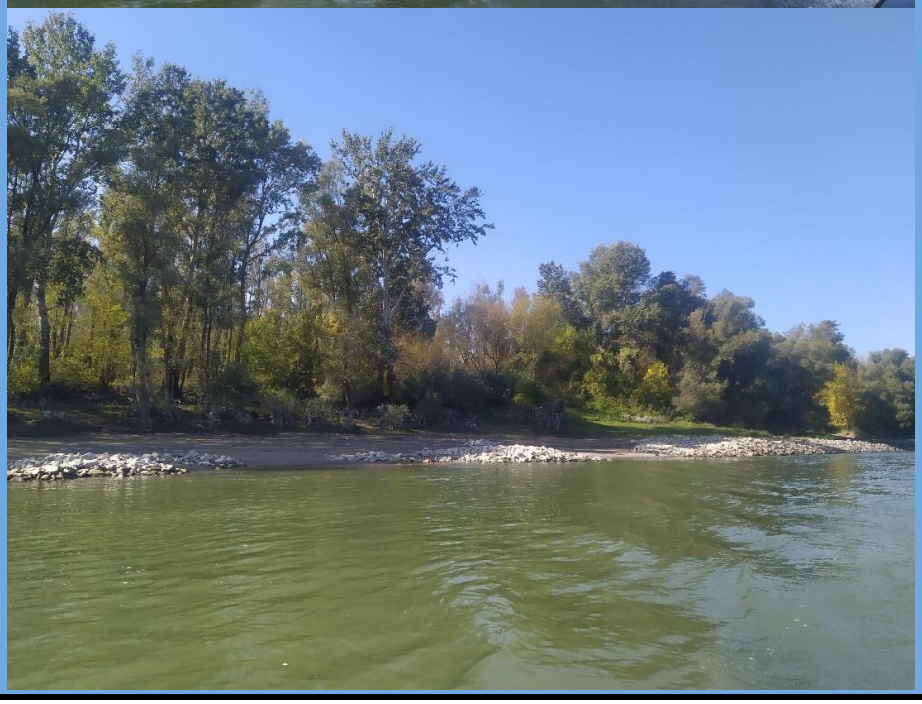
Location of the infrastructure



Picture of the infrastructure



7. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1427-D5	**Revetment**	**1428+442 do 1427+617**	**1015,98**	**82,16**



Analysis

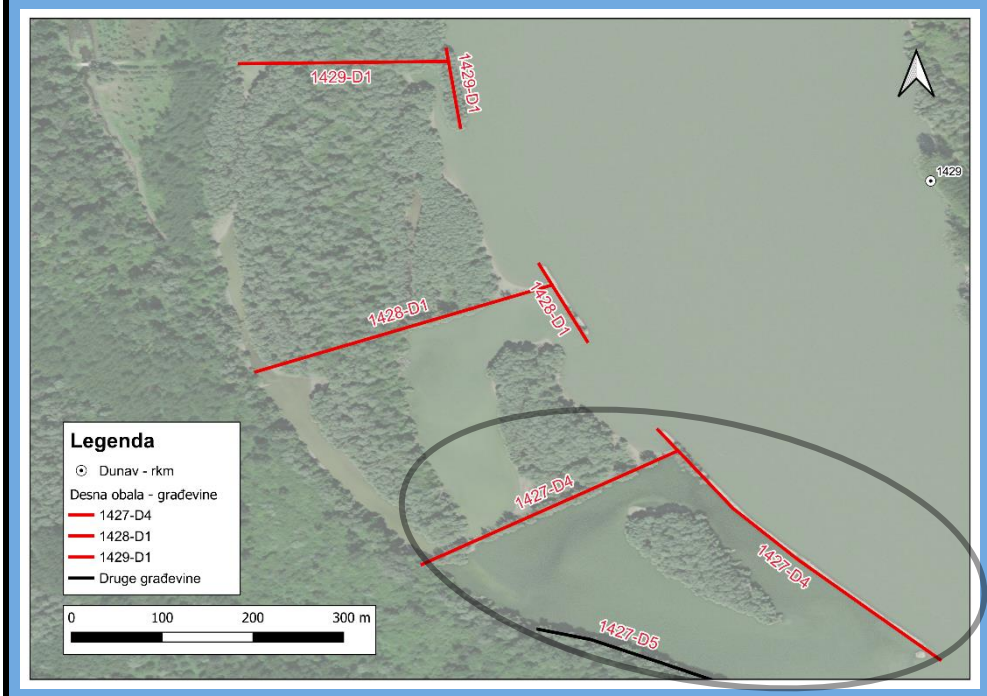
- Infrastructure is in satisfying condition.
- River bank protection from erosion ongoing at low water levels.
- The beginning of revetment downstream of the groyne 1427-D4 is visible. The river bank is partially collapsed and overgrown with trees and vegetation. The end of revetment is visible upstream of the parallel 1427-D3.

8. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1427-D4	**T-groyne**	**1427+615**	**479,10**	**82,95**

Existing documentation

- CADASTRE MARK **1428/1**
- CADASTRE PAGE **2/2**

Location of the infrastructure



Picture of the infrastructure

8. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1427-D4	**T-groyne**	**1427+615**	**479,10**	**82,95**

Analysis

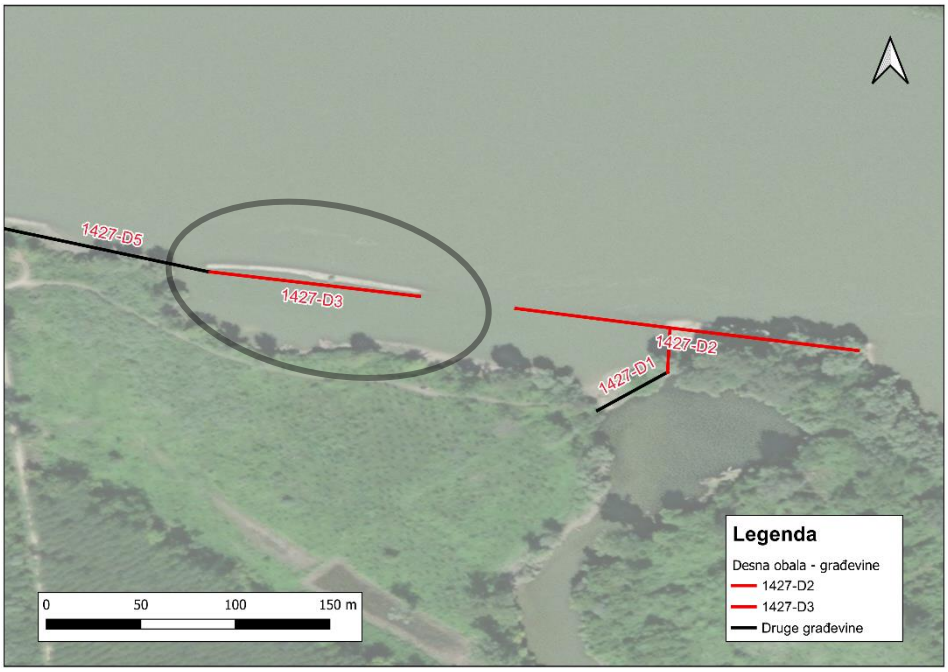
- Infrastructure is in good condition.
- Effect of material deposition ongoing (upstream, downstream).
- Groyne head and groyne connection are visible. The beginning of material deposition upstream and downstream of the groyne and plants and trees on groyne crown are visible.

9. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1427-D3	**Parallel structure**	**1427+617 do 1427+524**	**114,10**	**81,89**

Existing documentation

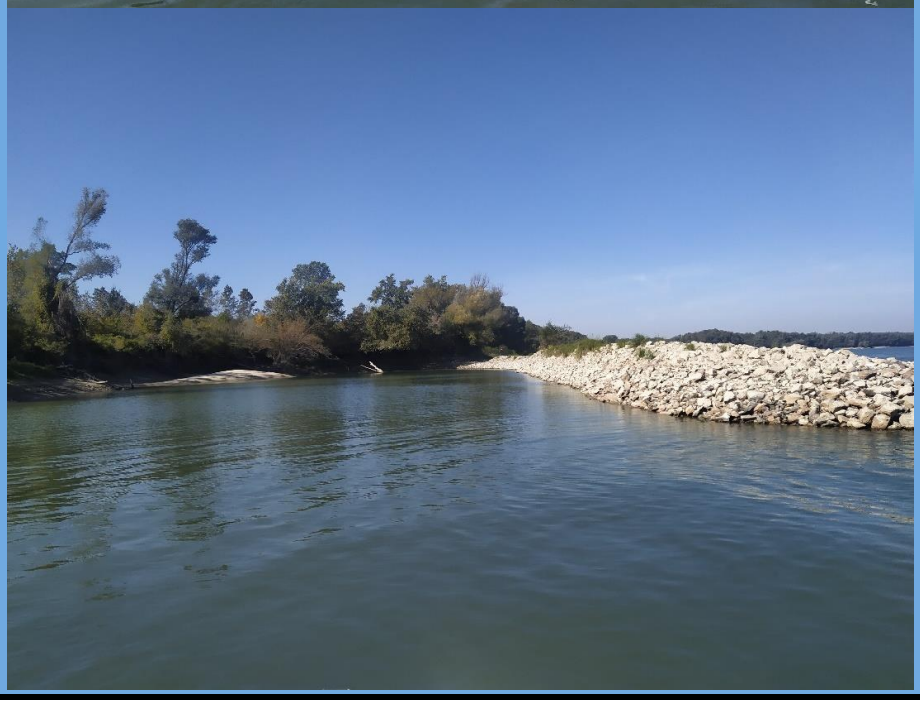
- CADASTRE MARK **1427/2**
- CADASTRE PAGE **2/2**

Location of the infrastructure



Picture of the infrastructure

9. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1427-D3	**Parallel structure**	**1427+617 do 1427+524**	**114,10**	**81,89**



Analysis

- Infrastructure is in good condition.
- Effect of material deposition ongoing (upstream, downstream).
- Parallel structure continues on a revetment 1427-D5. Vegetation is visible on the crown of the parallel structure.

10. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1427-D2	**Parallel structure with groyne**	**1427+480 do 1427+307**	**183,92**	**81,23**

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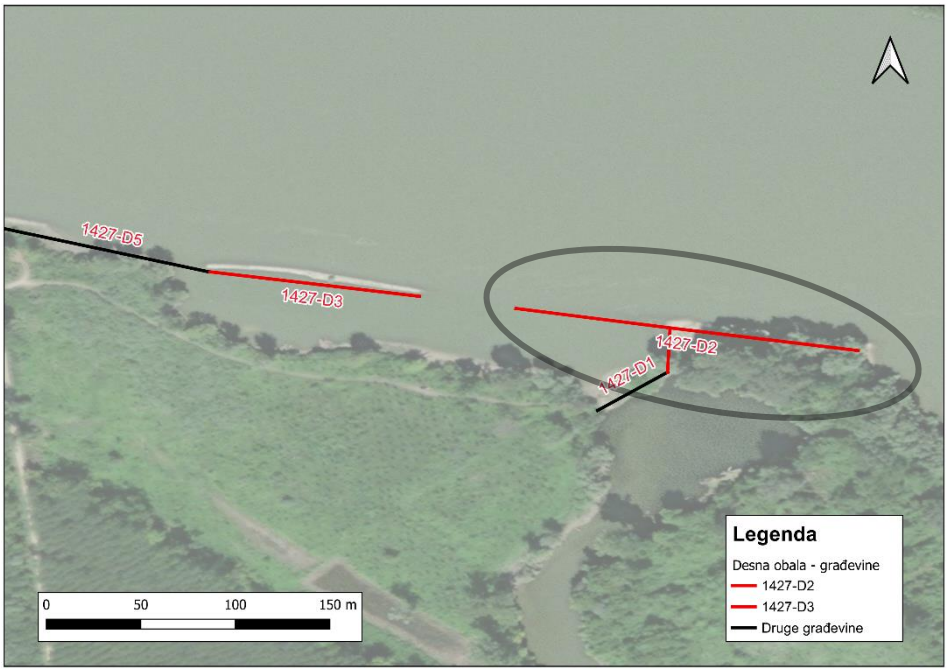
Location of the infrastructure



Picture of the infrastructure

10. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1427-D2	**Parallel structure with groyne**	**1427+480 do 1427+307**	**183,92**	**81,23**

Analysis

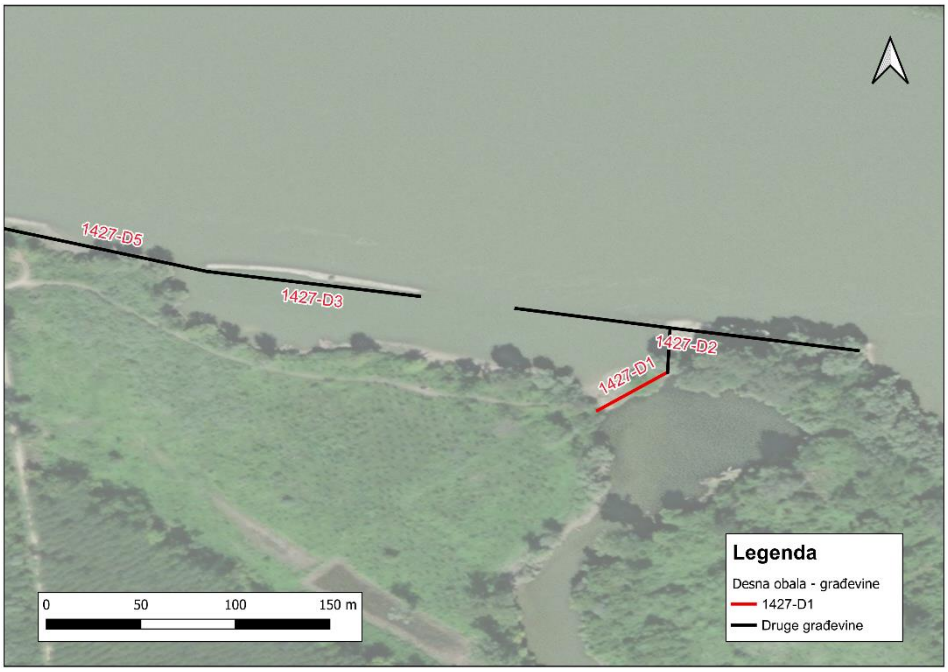
- Infrastructure is in excellent condition.
- Effect of material deposition ongoing (upstream, downstream).
- Rooting of the parallel is connected to the barrier 1427-D1. Stone material and material deposit upstream of the parallel structure are visible.

11. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1427-D1	**Barrier**	**1427+395**	**47,02**	**82,83**

Existing documentation

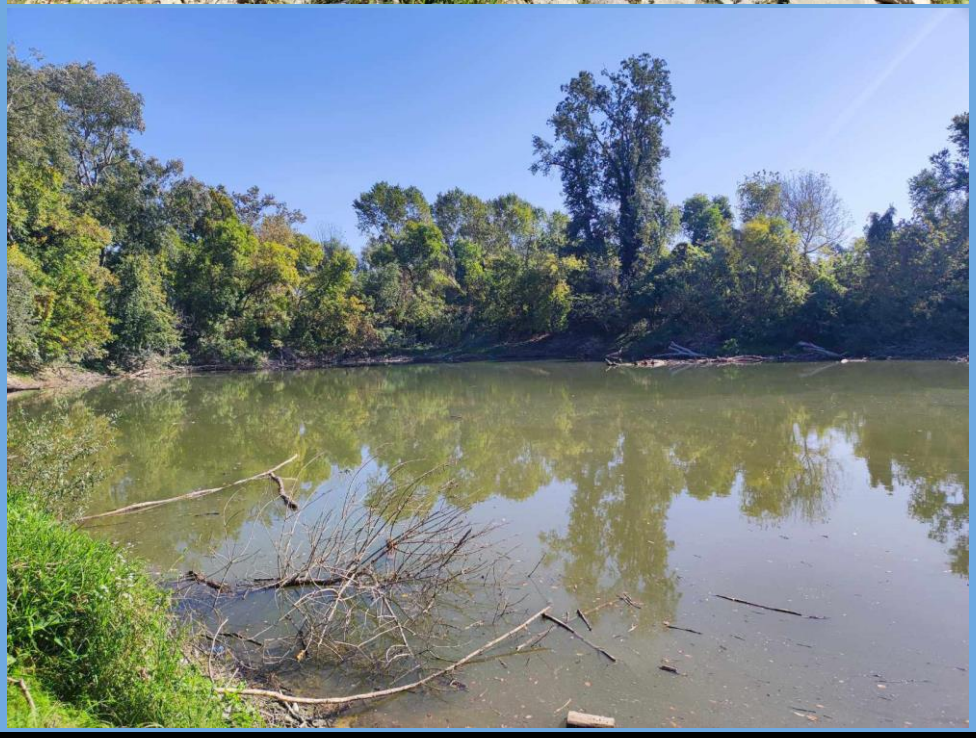
- CADASTRE MARK **1427/3**
- CADASTRE PAGE **2/2**

Location of the infrastructure



Picture of the infrastructure

11. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1427-D1	**Barrier**	**1427+395**	**47,02**	**82,83**



Analysis

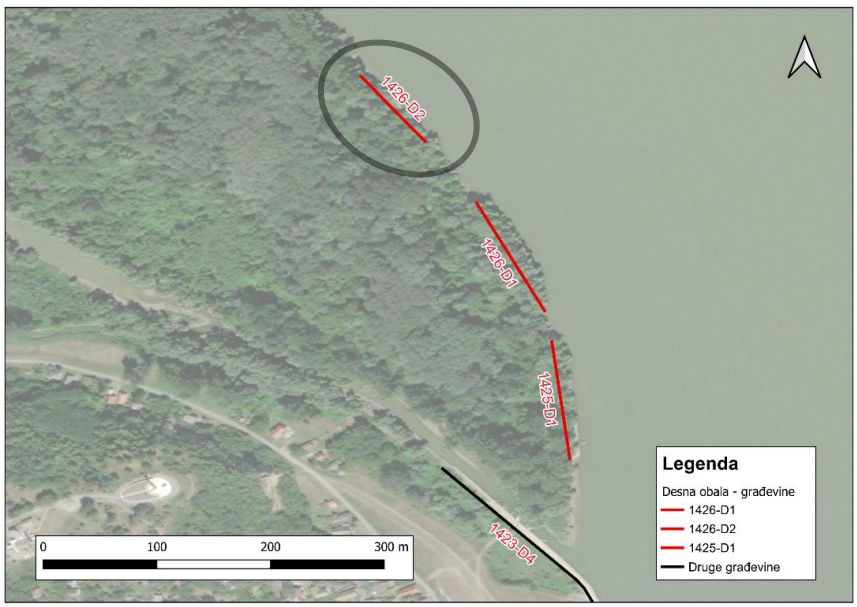
- Infrastructure is in satisfying condition.
- Barrier on backwater flow finished at low water level.
- Barrier is not visible from the river side. Vegetation is visible on the crown of the barrier.

12. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1426-D2	**Parallel structure**	**1426+444 do 1426+303**	**99,63**	**82,33**

Existing documentation

- CADASTRE MARK **1426/3**
- CADASTRE PAGE **2/2**

Location of the infrastructure



Picture of the infrastructure

Analysis

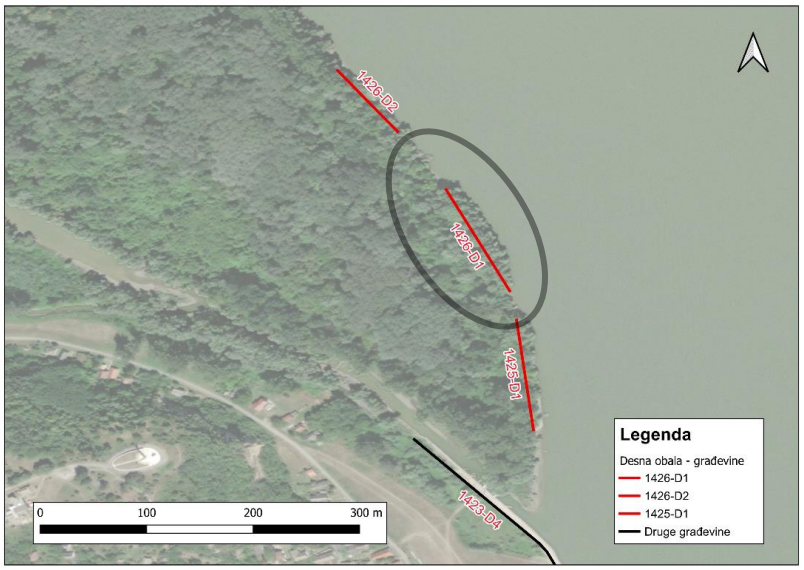
- Infrastructure is in satisfying condition.
- Effect of material deposition finished (upstream, downstream).
- Bevel of the stone connected to the river bank is visible. Material deposition upstream and downstream is visible as well as overgrowth of vegetation.

13. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1426-D1	**Groyne**	**1426+131**	**148,22**	**81,95**

Existing documentation

- CADASTRE MARK **1426/2**
- CADASTRE PAGE **2/2**

Location of the infrastructure



Picture of the infrastructure

Analysis

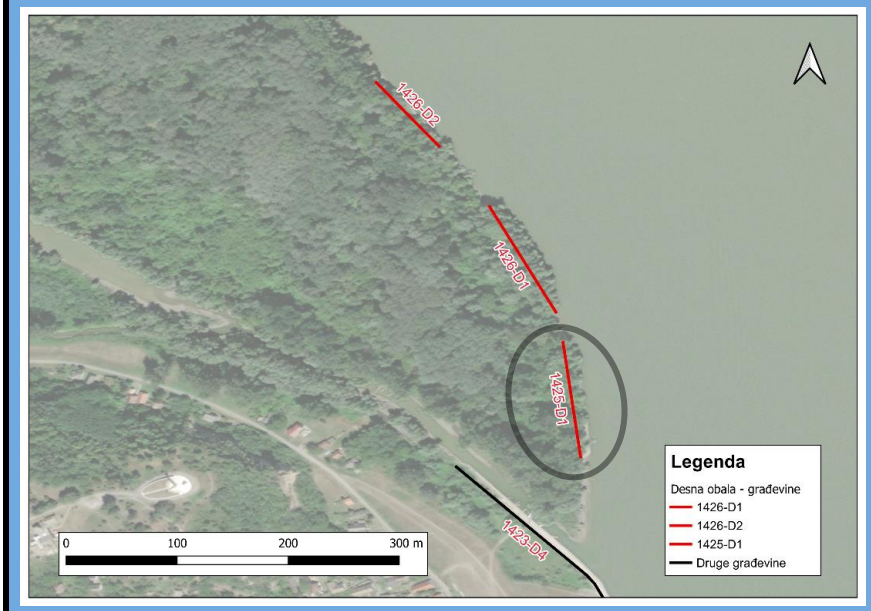
- Infrastructure is in satisfying condition.
- Effect of material deposition ongoing (upstream, downstream).
- Stone material of bevel of groyne head connected to the river bank is visible. Material deposit upstream and downstream of the groyne and overgrowth of plants are visible.

14. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1425-D1	**Groyne**	**1425+895**	**147,87**	**82,40**

Existing documentation

- CADASTRE MARK **1426/1**
- CADASTRE PAGE **2/2**

Location of the infrastructure



Picture of the infrastructure

Analysis

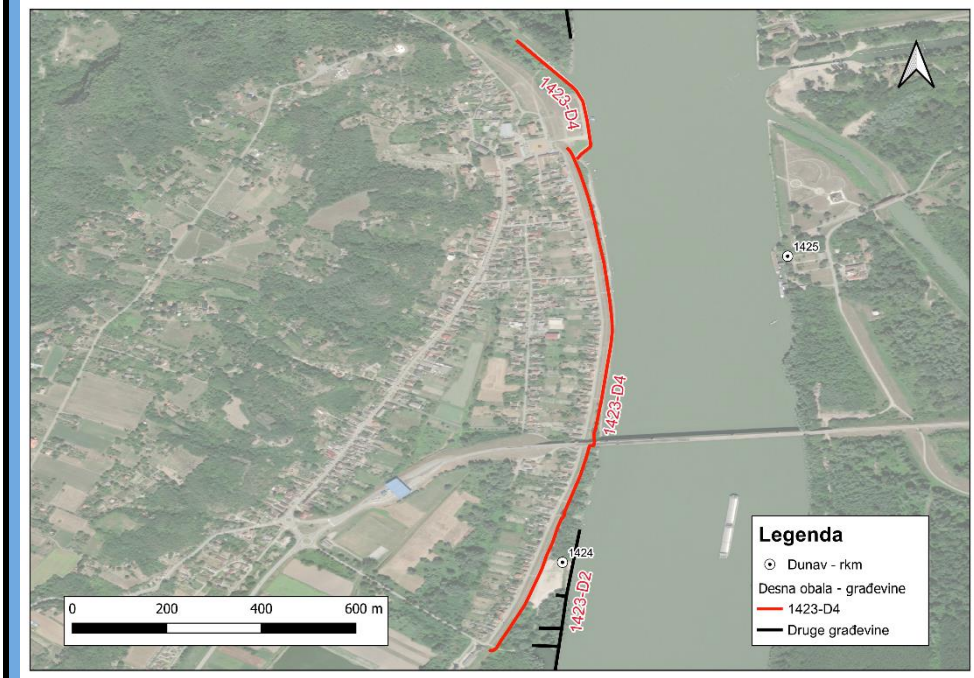
- Infrastructure is in satisfying condition.
- Effect of material deposition ongoing (upstream, downstream).
- Stone material of bevel of groyne head connected to the river bank is visible. Material deposit upstream and downstream and overgrowth of plants are visible.

15. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1423-D4	**Revetment**	**1425+717 do 1423+743**	**1581,78 + 410,67**	**89,00**

Existing documentation

- CADASTRE MARK **1424/1**
- CADASTRE PAGE **2/2** **2/3**

Location of the infrastructure



Picture of the infrastructure

15. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1423-D4	**Revetment**	**1425+717 do 1423+743**	**1581,78 + 410,67**	**89,00**

Analysis

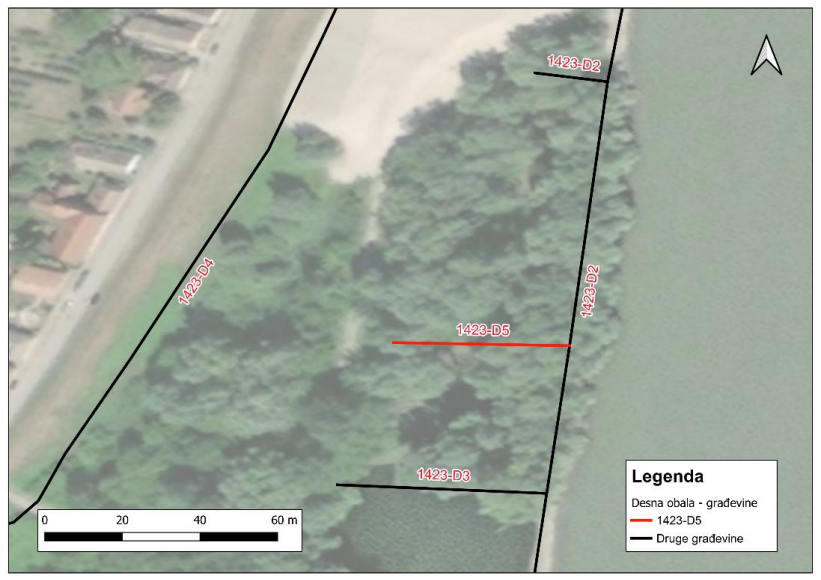
- Infrastructure is in excellent condition.
- River bank erosion protection ongoing at high water levels.
- City-type revetment. Confluence of Karašica river and revetment near passenger wharf Batina are in excellent condition Downstream of the wharf, revetment is in the process of reconstruction (embankment Gomboš-Batina).

16. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1423-D5	**Groyne**	**1423+825**	**45,36**	**83,11**

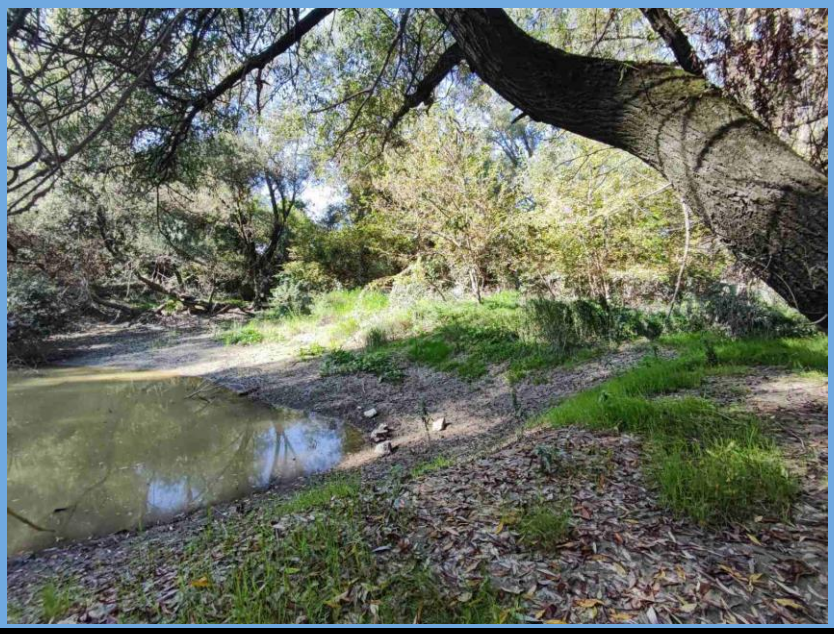
Existing documentation

- CADASTRE MARK **1424/2**
- CADASTRE PAGE **2/3**

Location of the infrastructure



Picture of the infrastructure



Analysis

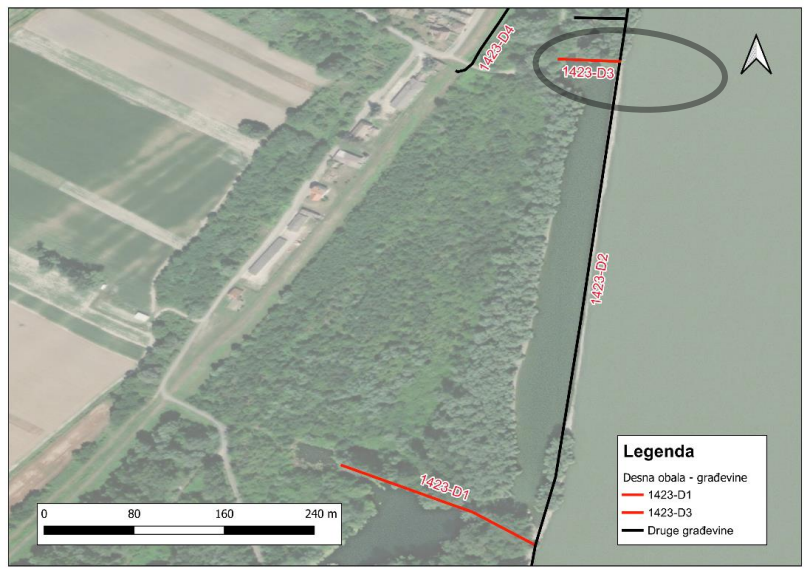
- Infrastructure is in satisfying condition.
- Effect of material deposition finished (upstream, downstream).
- Material deposit upstream and downstream of the groyne and overgrowth of plants are visible. Stone material is not visible.

17. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1423-D3	**Groyne**	**1423+773**	**54,03**	**82,35**

Existing documentation

- CADASTRE MARK **1424/3**
- CADASTRE PAGE **2/3**

Location of the infrastructure



Picture of the infrastructure

Analysis

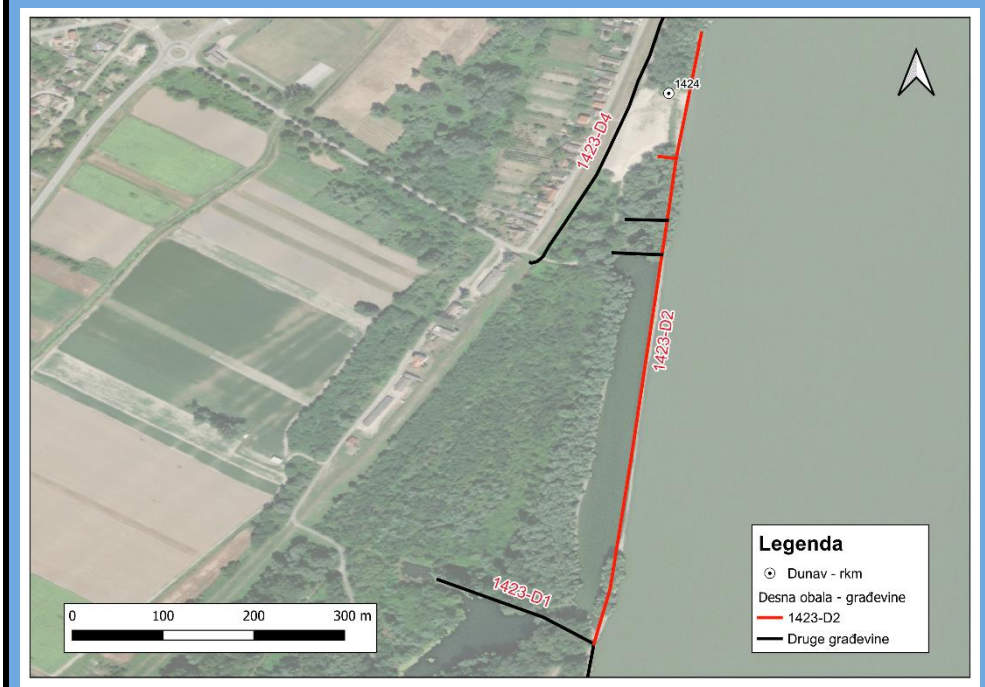
- Infrastructure is in satisfying condition.
- Effect of material deposition finished (upstream, downstream).
- Material deposit upstream and downstream of the groyne and overgrowth of plants are visible. Stone material is not visible.

18. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1423-D2	**Parallel structure**	**1424+102 do 1423+211**	**970,43**	**81,97**

Existing documentation

- CADASTRE MARK **1423/3**
- CADASTRE PAGE **2/3**

Location of the infrastructure



Picture of the infrastructure

17. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1423-D3	**Groyne**	**1423+773**	**54,03**	**82,35**

Analysis

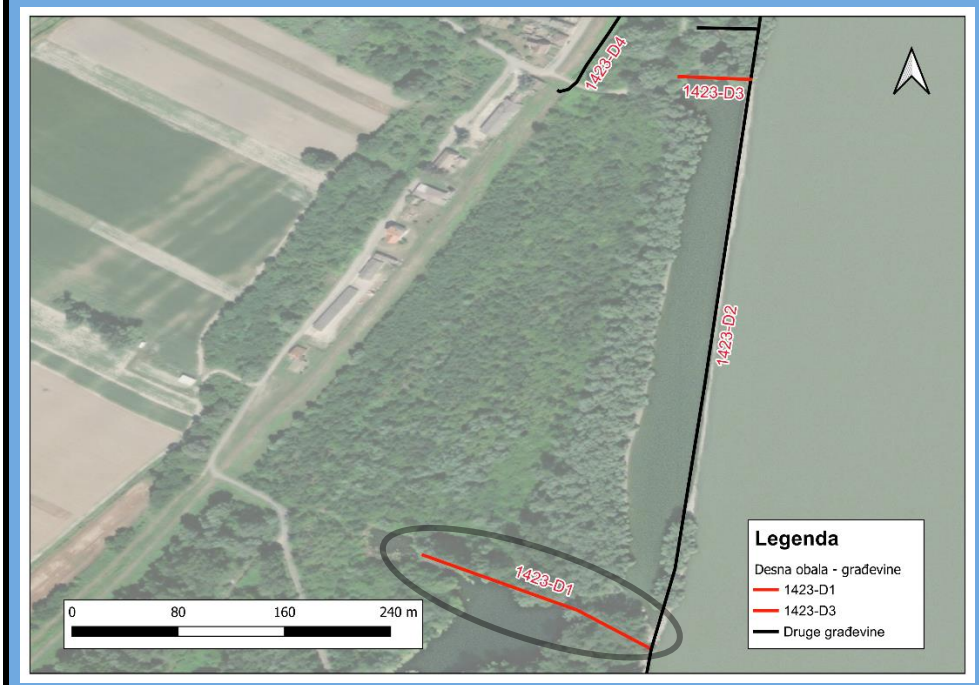
- Infrastructure is in excellent condition.
- Effect of material deposition ongoing (upstream, downstream).
- Stone material of parallel structure is visible. Material deposition and overgrowth of vegetation can be seen on the groyne connected to the river bank. Parallel structure continues on a revetment 1423-D4.

19. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1423-D1	**Barrier**	**1423+211**	**200,03**	**83,21**

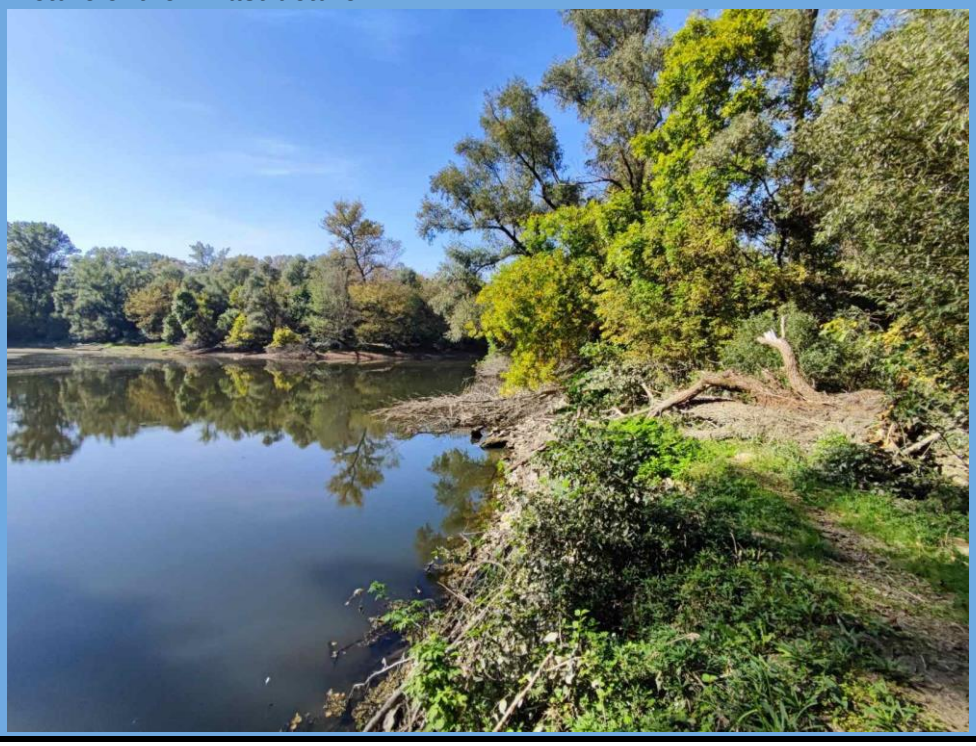
Existing documentation

- CADASTRE MARK **1423/2**
- CADASTRE PAGE **2/3**

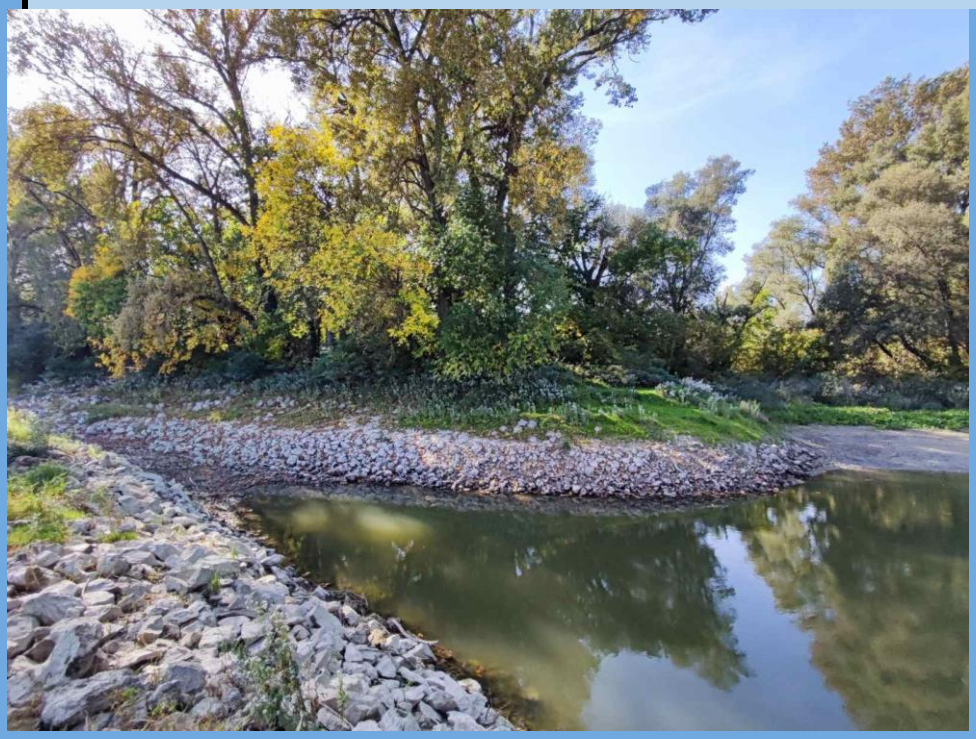
Location of the infrastructure



Picture of the infrastructure



19. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1423-D1	**Barrier**	**1423+211**	**200,03**	**83,21**



Analysis

- Infrastructure is in good condition.
- Barrier on backwater flow finished at low water level.
- Barrier is covered with dirt and vegetation. Stone material of barrier can be partially seen. Also, vegetation on the crown of the barrier is present.

20. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1422-D2	**Revetment**	**1423+211 do 1422+590**	**620,66**	**85,32**

Existing documentation

- CADASTRE MARK **1423/4**
- CADASTRE PAGE **2/3**

Location of the infrastructure

Picture of the infrastructure

20. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1422-D2	**Revetment**	**1423+211 do 1422+590**	**620,66**	**85,32**

Analysis

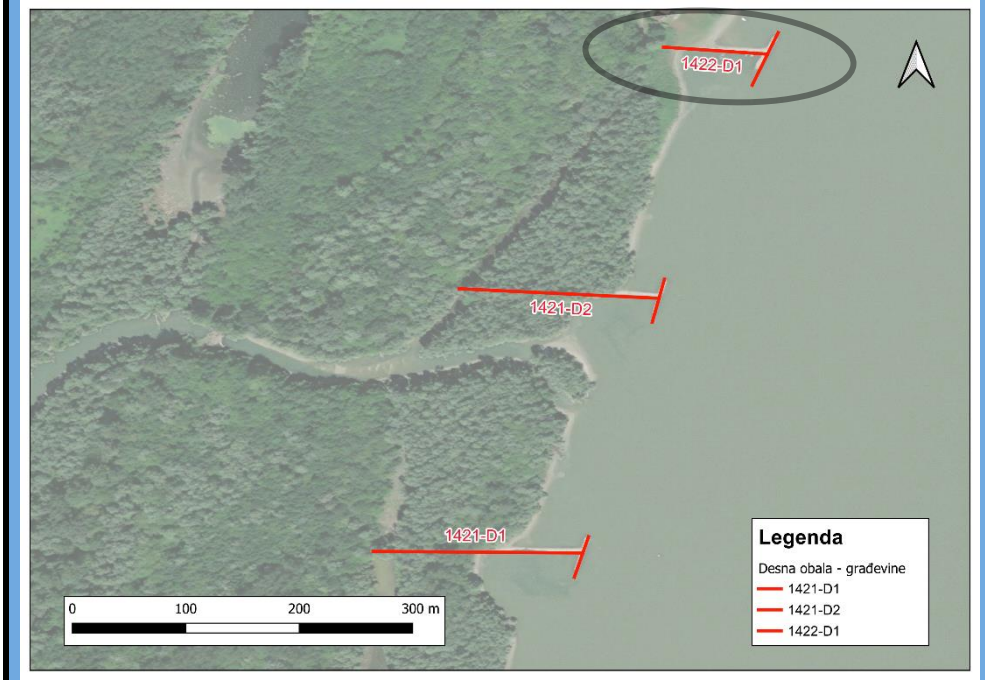
- Infrastructure is in good condition.
- River bank erosion protection ongoing at medium water levels.
- Stone revetment in settlement "Zeleni otok". Concrete staircases and approaches to pontoons for boats along the bevels.

21. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1422-D1	**T-groyne**	**1422+025**	**69,87**	**81,76**

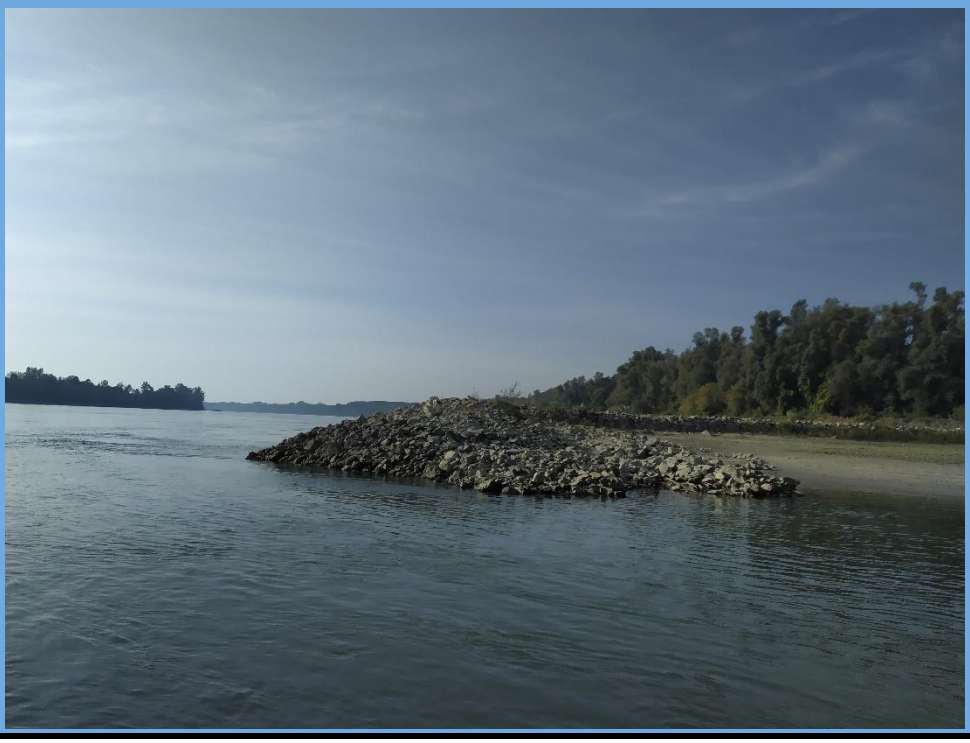
Existing documentation

- CADASTRE MARK **1422/1**
- CADASTRE PAGE **2/3**

Location of the infrastructure



Picture of the infrastructure



21. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1422-D1	**T-groyne**	**1422+025**	**69,87**	**81,76**

Analysis

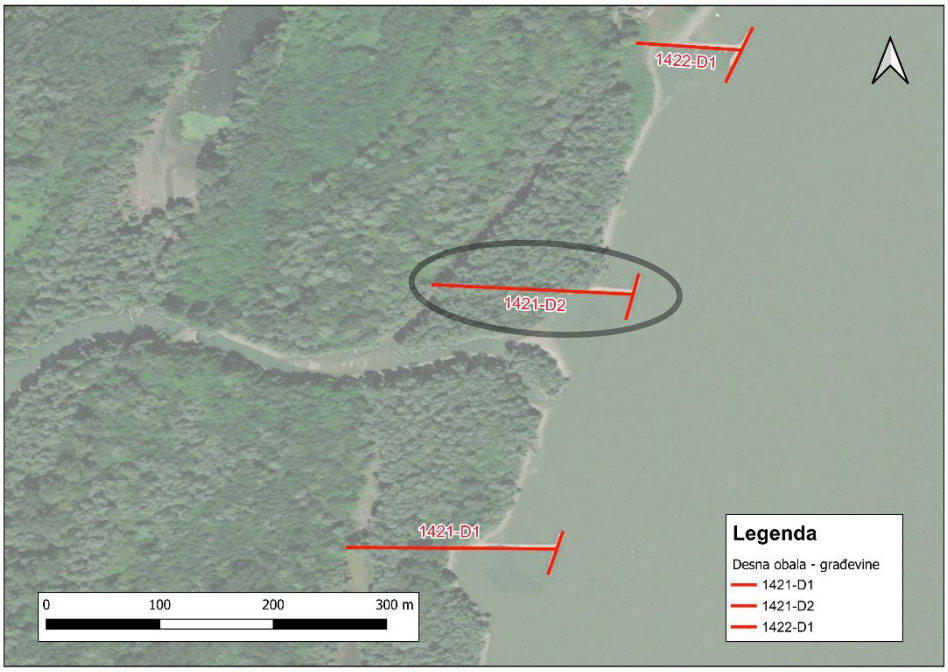
- Infrastructure is in satisfying condition.
- Effect of material deposition ongoing (upstream, downstream).
- Collapsed part of the groyne head is visible. Material deposit upstream and downstream of the groyne is visible.

22. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1421-D2	**T-groyne**	**1421+655**	**55,22**	**81,71**

Existing documentation

- CADASTRE MARK **1421/3**
- CADASTRE PAGE **2/3**

Location of the infrastructure



Picture of the infrastructure

22. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1421-D2	**T-groyne**	**1421+655**	**55,22**	**81,71**

Analysis

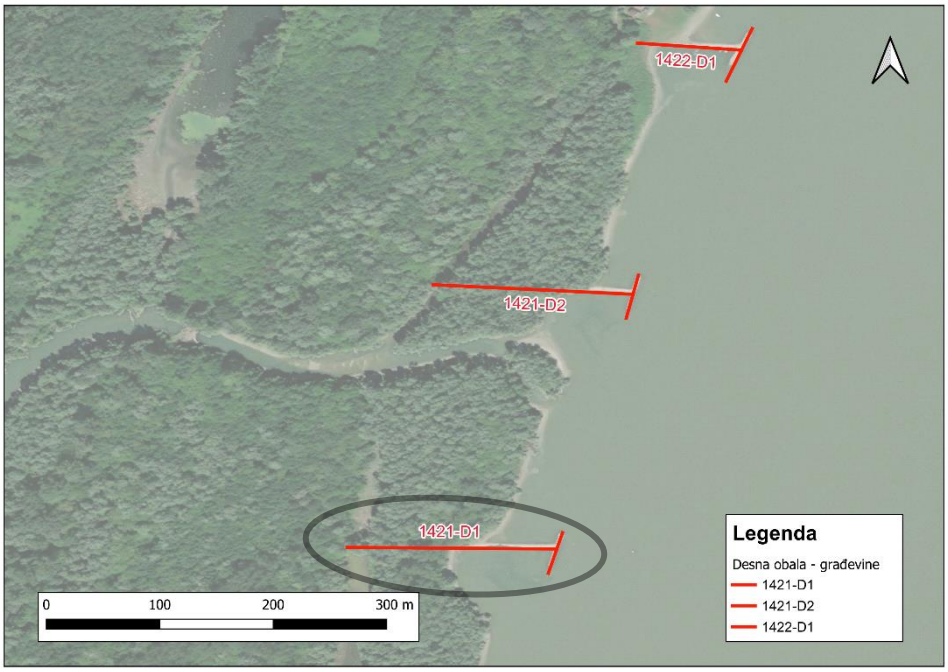
- Infrastructure is in good condition.
- Effect of material deposition ongoing (upstream, downstream).
- Material deposit upstream and downstream of the groyne is visible. Downstream on the groyne connection, stone washout under the groyne crown connection is visible.

23. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1421-D1	**T-groyne**	**1421+288**	**52,42**	**81,71**

Existing documentation

- CADASTRE MARK **1421/2**
- CADASTRE PAGE **2/3**

Location of the infrastructure



Picture of the infrastructure

23. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1421-D1	**T-groyne**	**1421+288**	**52,42**	**81,71**

Analysis

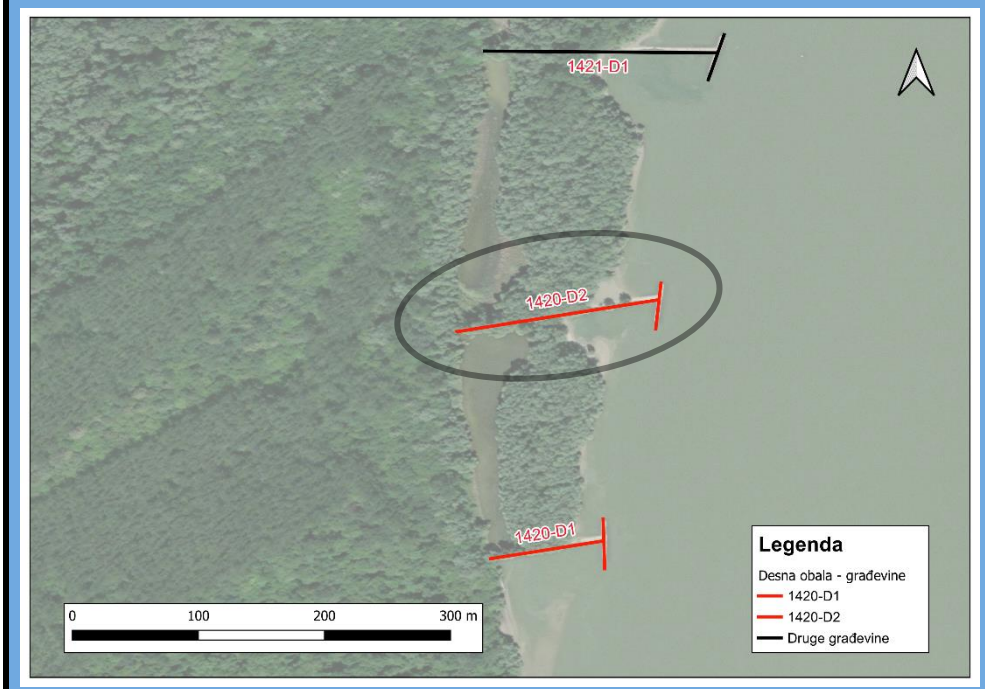
- Infrastructure is in satisfying condition.
- Effect of material deposition ongoing (upstream, downstream).
- Collapsed part of the groyne head and material deposit upstream and downstream of the groyne are visible. Downstream on the groyne connection, stone washout under the groyne crown connection is visible.

24. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1420-D2	**T-groyne**	**1420+980**	**52,21**	**81,82**

Existing documentation

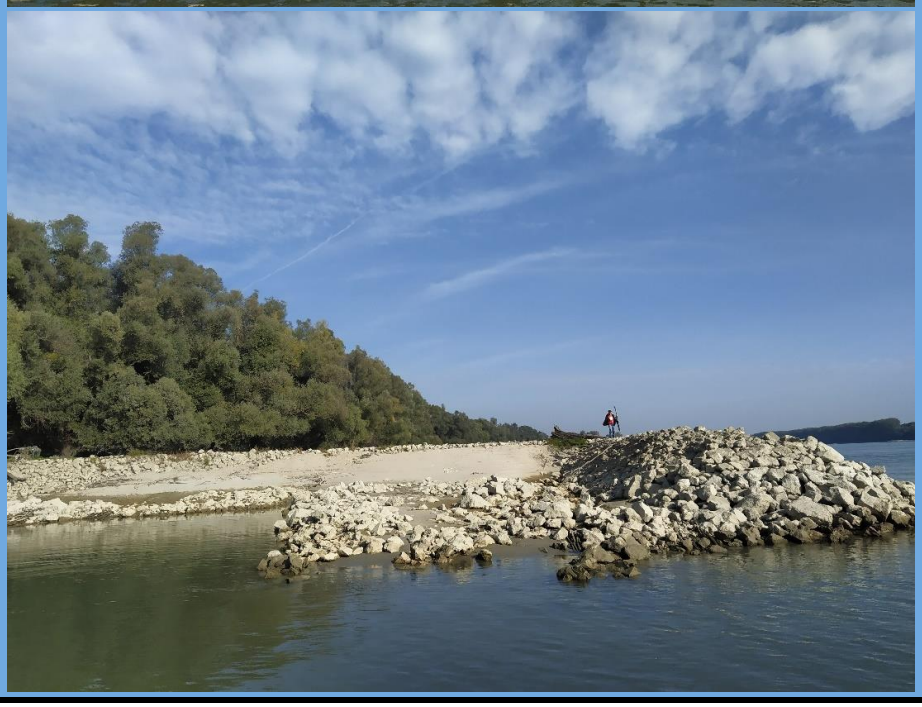
- CADASTRE MARK **1421/1**
- CADASTRE PAGE **2/3**

Location of the infrastructure



Picture of the infrastructure

24. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1420-D2	**T-groyne**	**1420+980**	**52,21**	**81,82**



Analysis

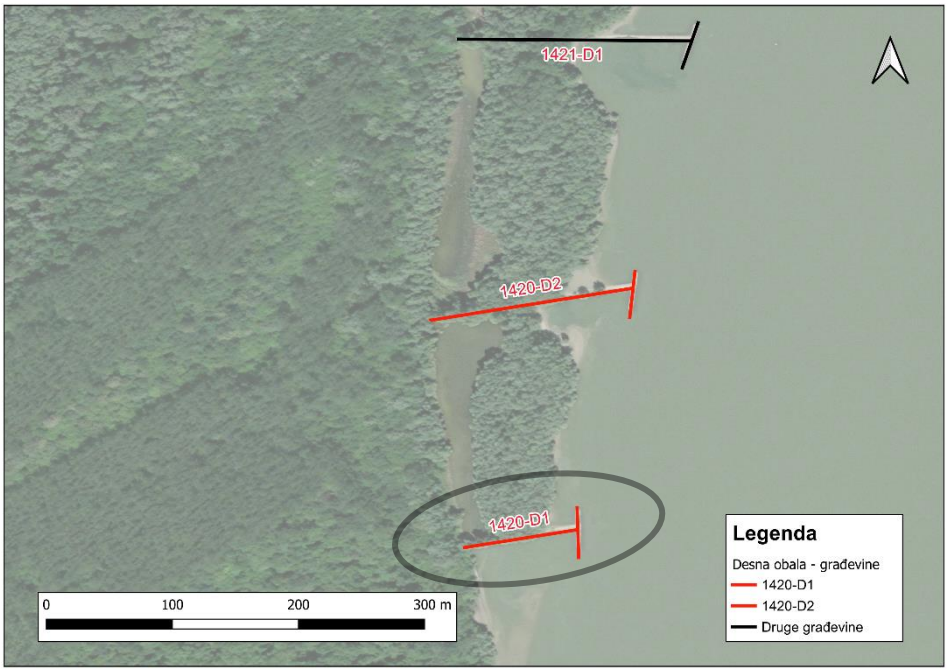
- Infrastructure is in satisfying condition.
- Effect of material deposition ongoing (upstream, downstream).
- Collapsed part of the groyne head and material deposit upstream and downstream of the groyne are visible. Downstream on the groyne connection, stone washout under the groyne crown connection is visible.

25. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1420-D1	**T-groyne**	**1420+748**	**56,29**	**81,77**

Existing documentation

- CADASTRE MARK **1420/1**
- CADASTRE PAGE **2/3**

Location of the infrastructure



Picture of the infrastructure

25. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1420-D1	**T-groyne**	**1420+748**	**56,29**	**81,77**

Analysis

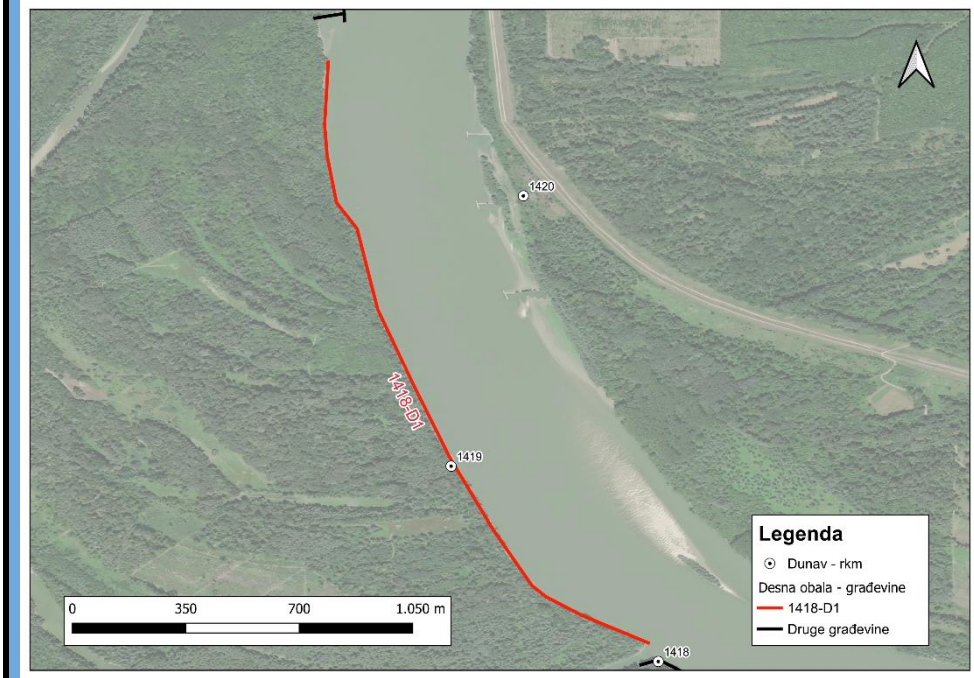
- Infrastructure is in good condition..
- Effect of material deposition ongoing (upstream, downstream).
- Material deposit upstream and downstream of the groyne is visible. Downstream on the groyne connection, stone washout under the groyne crown connection is visible.

26. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1418-D1	**Revetment**	**1420+760 do 1418+067**	**2862,74**	**81,19**

Existing documentation

- CADASTRE MARK **1418/1**
- CADASTRE PAGE **2/3** **2/4**

Location of the infrastructure



Picture of the infrastructure

26. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1418-D1	**Revetment**	**1420+760 do 1418+067**	**2862,74**	**81,19**

Analysis

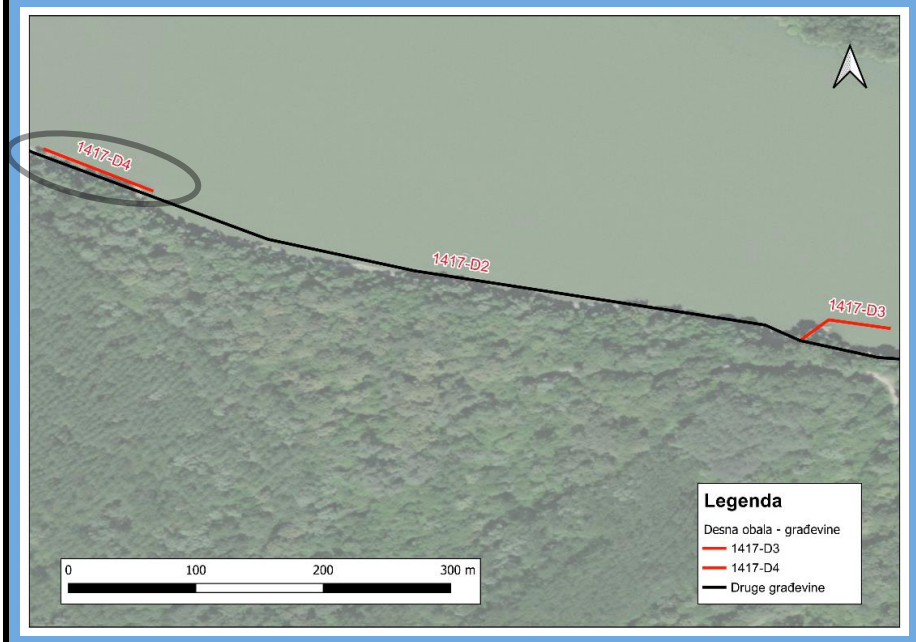
- Infrastructure is in good condition.
- River bank erosion protection ongoing at low water levels.
- Stone revetment above which is a stone river bank overgrown with plants and trees. Revetment ends at the entrance in Zmajevački Dunavac.

27. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1417-D4	**T-groyne**	**1417+876**	**96,09**	**79,48**

Existing documentation

- CADASTRE MARK **1417/1**
- CADASTRE PAGE **2/4**

Location of the infrastructure



Picture of the infrastructure

Analysis

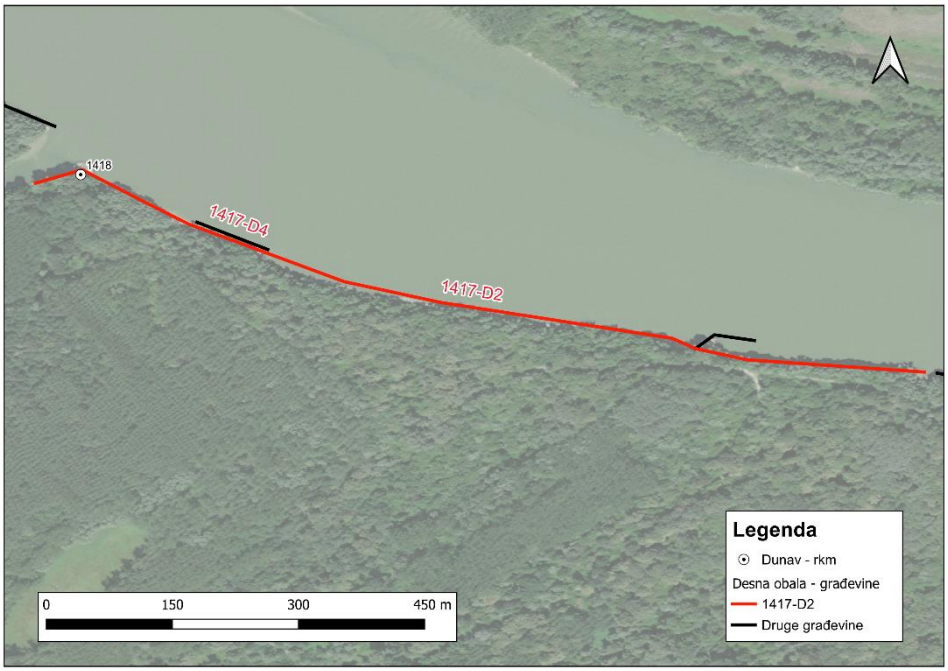
- Infrastructure is in good condition.
- Effect of material deposition ongoing (upstream, downstream).
- Stone material of groyne head is visible. Groyne connection is overgrown with plants and covered with sand.

28. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1417-D2	**Revetment**	**1418+032 do 1417+169**	**1137,08**	**81,14**

Existing documentation

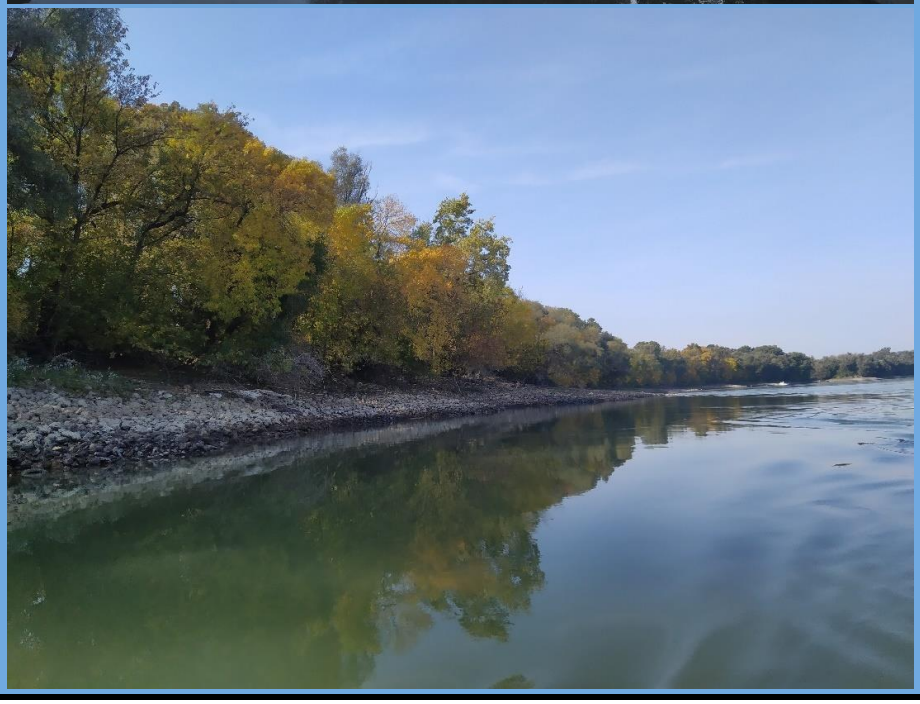
- CADASTRE MARK **1417/2**
- CADASTRE PAGE **2/4**

Location of the infrastructure



Picture of the infrastructure

28. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1417-D2	**Revetment**	**1418+032 do 1417+169**	**1137,08**	**81,14**



Analysis

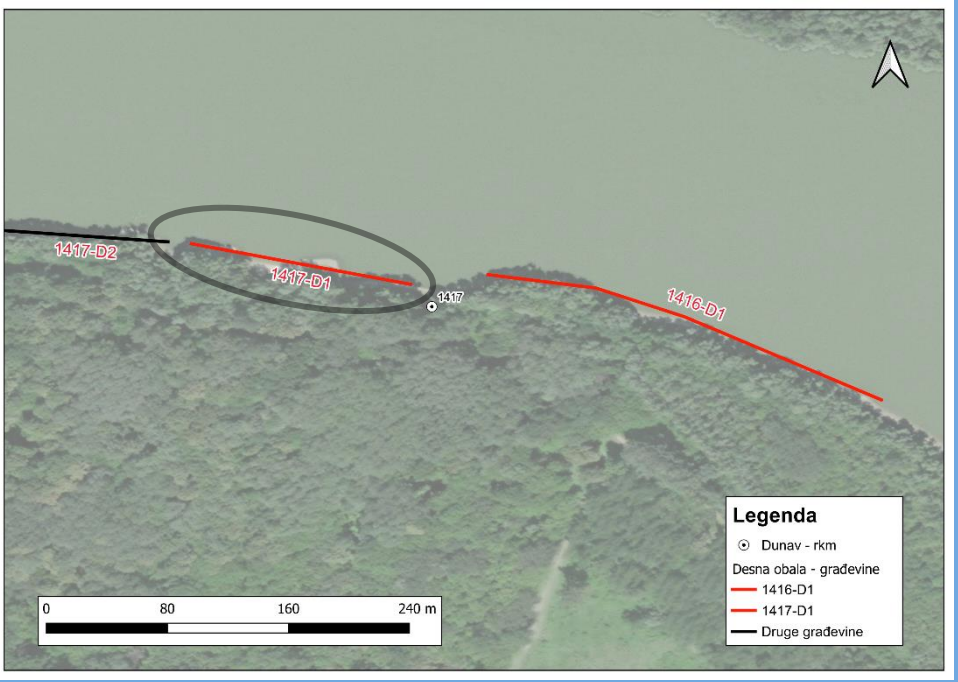
- Infrastructure is in satisfying condition.
- River bank erosion protection ongoing at low water levels.
- Revetment is partially collapsed. Behind groyne 1417-D4 stone material of revetment is not visible.

29. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1417-D1	**Parallel structure**	**1417+156 do 1417+022**	**149,82**	**80,38**

Existing documentation

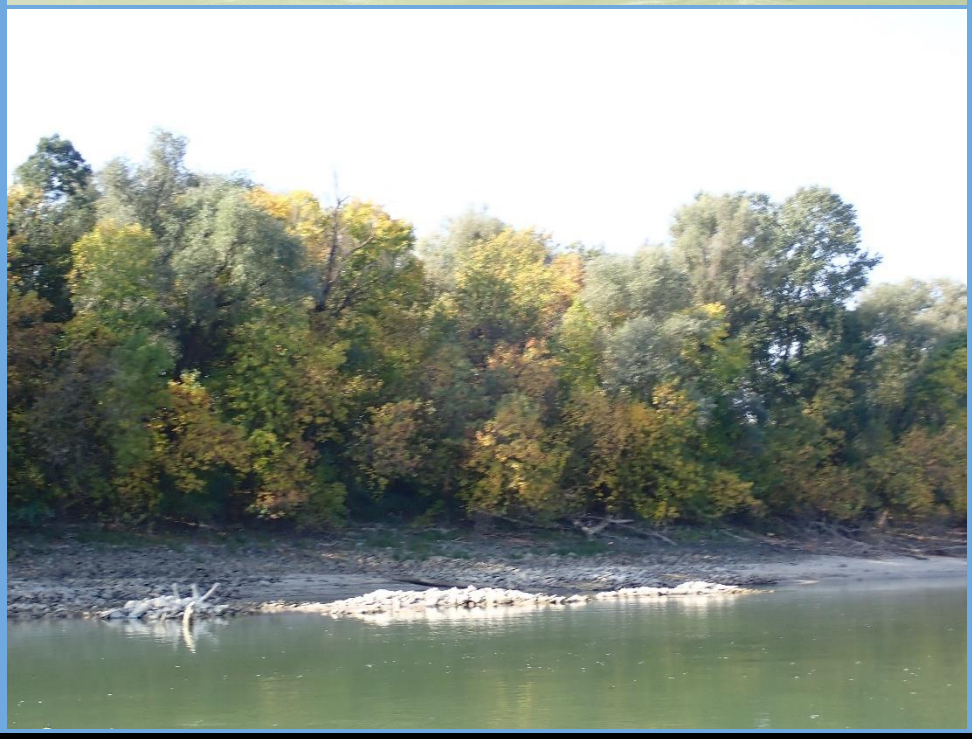
- CADASTRE MARK **1416/1**
- CADASTRE PAGE **2/4**

Location of the infrastructure



Picture of the infrastructure

29. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1417-D1	**Parallel structure**	**1417+156 do 1417+022**	**149,82**	**80,38**



Analysis

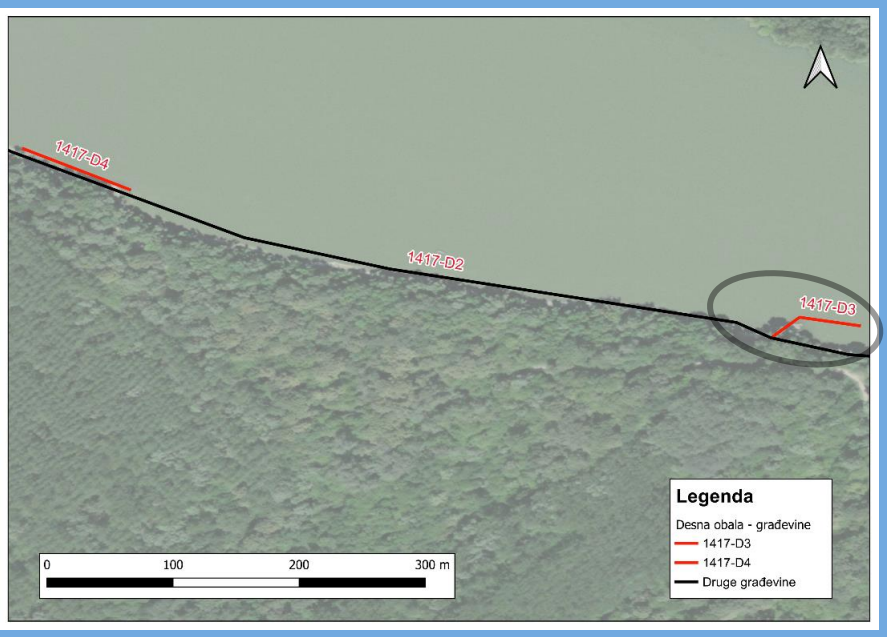
- Infrastructure is in good condition.
- Effect of material deposition failed (upstream, downstream).
- Stone material of parallel structure is visible and it has an irregular geometry.

30. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1417-D3	**T-groyne**	**1417+371**	**48,50**	**79,12**

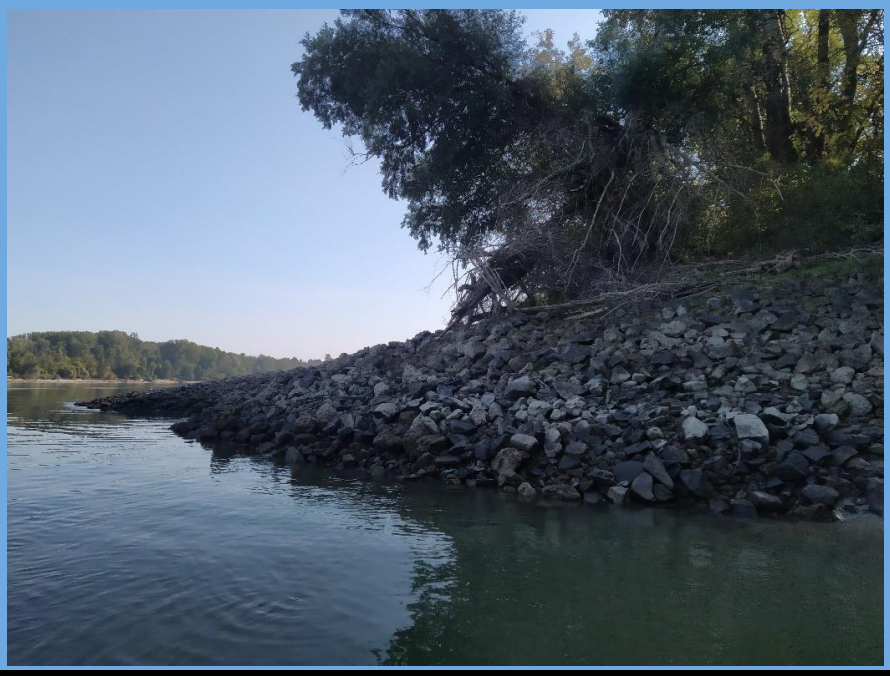
Existing documentation

- CADASTRE MARK **1416/2**
- CADASTRE PAGE **2/4**

Location of the infrastructure



Picture of the infrastructure



Analysis

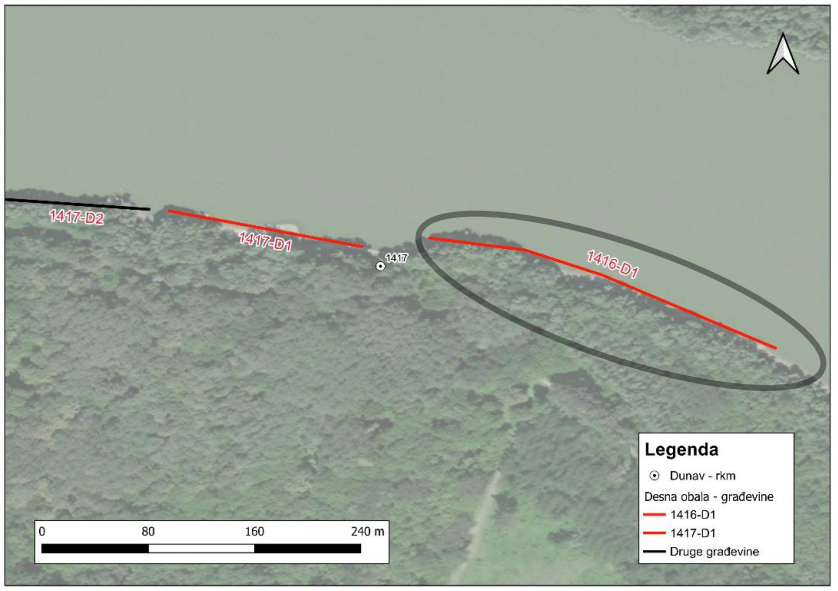
- Infrastructure is in satisfying condition..
- Effect of material deposition ongoing (upstream, downstream).
- Sand deposit upstream and downstream of the groyne. Stone material of groyne head is visible.

31. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1416-D1	**Parallel structure**	**1416+982 do 1416+769**	**289,00**	**81,25**

Existing documentation

- CADASTRE MARK **1416/3**
- CADASTRE PAGE **2/4**

Location of the infrastructure



Picture of the infrastructure

Analysis

- Infrastructure is in satisfying condition.
- Effect of material deposition ongoing (upstream, downstream).
- Material deposition upstream and downstream of the parallel structure is present. Stone material of parallel structure at low water levels can be seen.

32. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1412-D1	**Revetment**	**1412+888 do 1412+363**	**518,67**	**80,27**

Existing documentation

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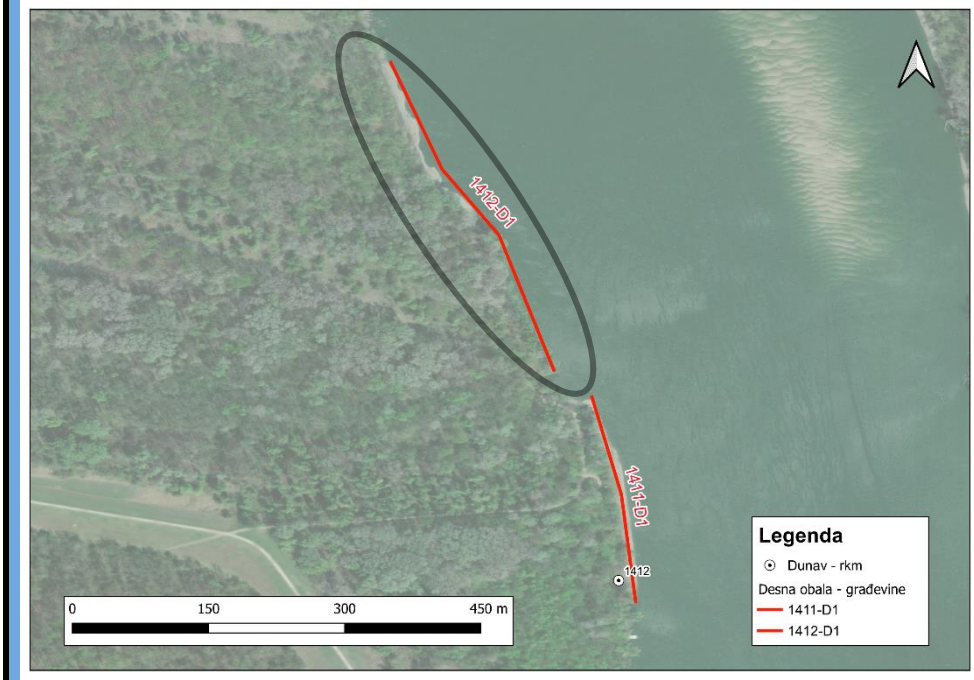
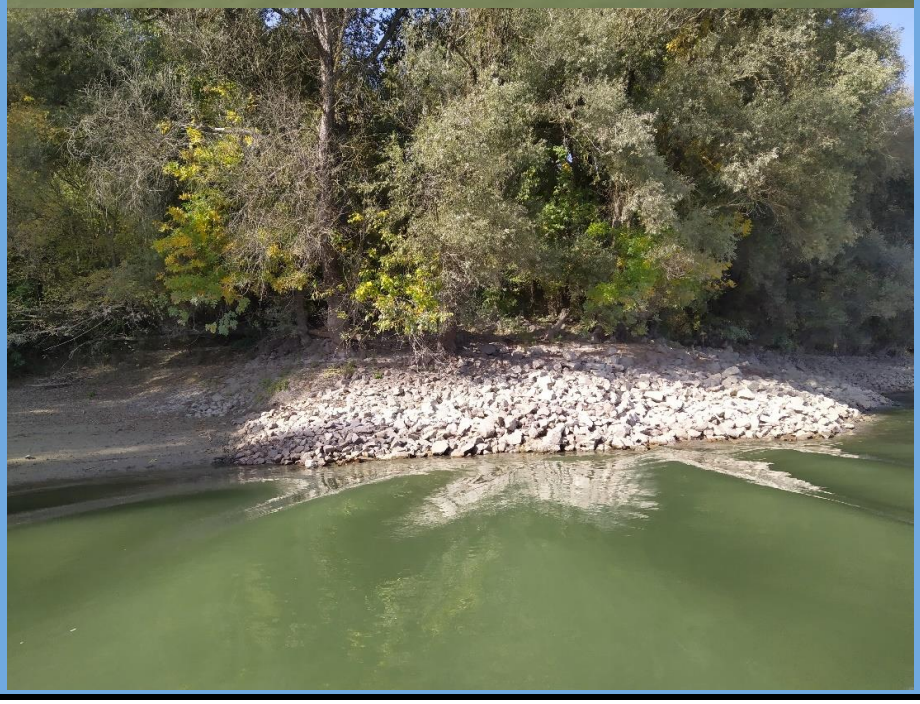
Location of the infrastructure



Picture of the infrastructure

32. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1412-D1	**Revetment**	**1412+888 do 1412+363**	**518,67**	**80,27**



Analysis

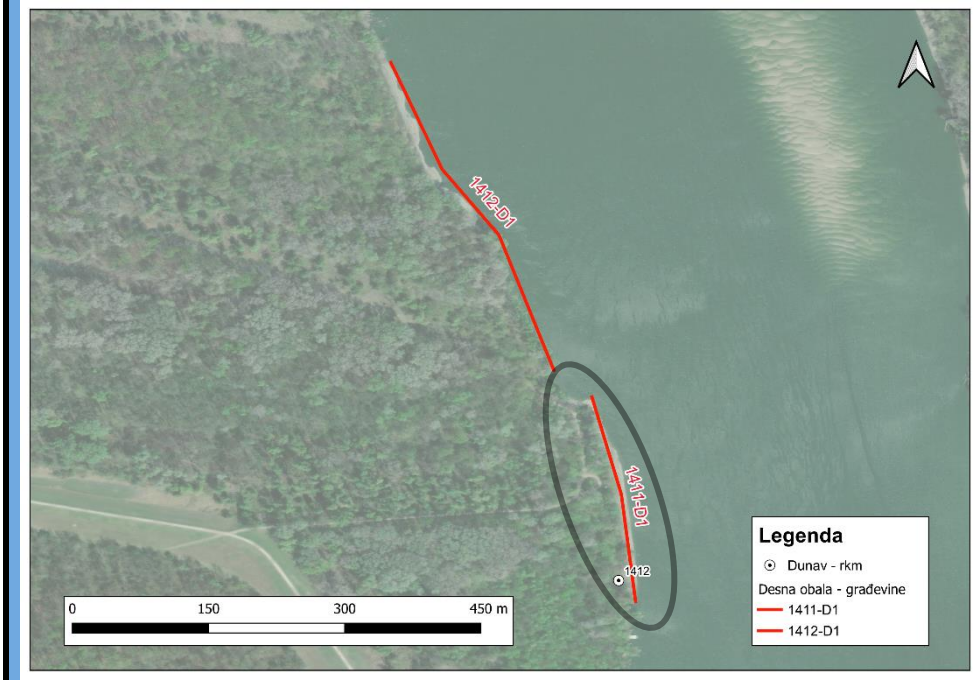
- Infrastructure is in satisfying condition.
- River bank erosion protection ongoing at low water levels.
- Stone material of revetment is visible. Revetment is partially washed away and geotextile is spotted beneath the stone material.

33. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1411-D1	**Revetment**	**1412+307 do 1411+967**	**325,62**	**80,94**

Existing documentation

- CADASTRE MARK **1412/1**
- CADASTRE PAGE **2/5**

Location of the infrastructure



Picture of the infrastructure

33. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1411-D1	**Revetment**	**1412+307 do 1411+967**	**325,62**	**80,94**

Analysis

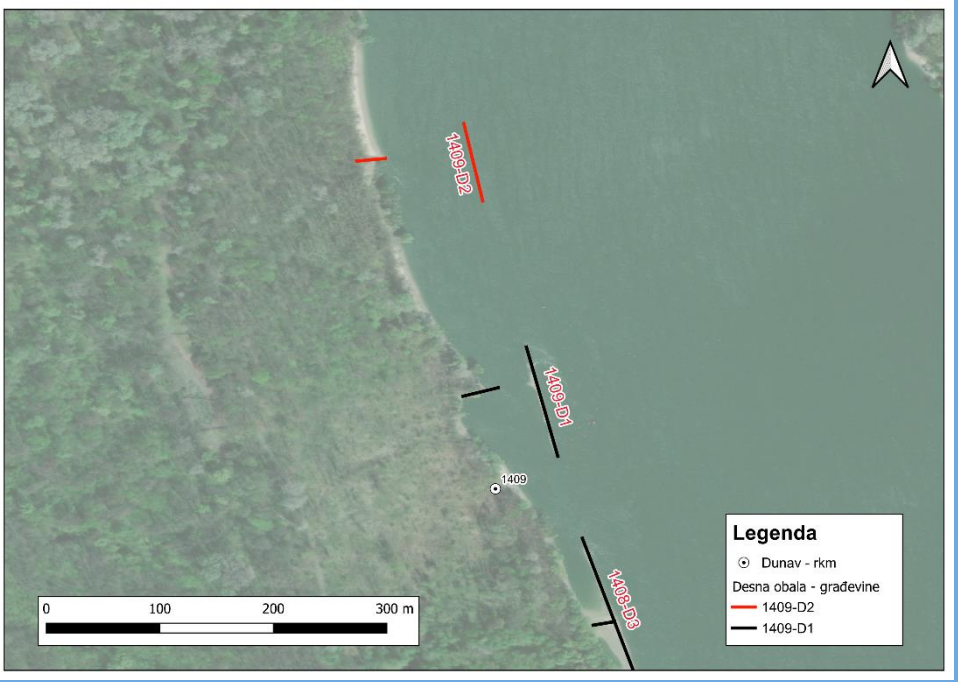
- Infrastructure is in excellent condition.
- River bank erosion protection ongoing at low water levels.
- Stone material of revetment and vegetation above it are visible.

34. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1409-D2	**T-groyne**	**1409+413**	**98,57**	**78,89**

Existing documentation

- CADASTRE MARK **1409/2**
- CADASTRE PAGE **2/6**

Location of the infrastructure



Picture of the infrastructure

34. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1409-D2	**T-groyne**	**1409+413**	**98,57**	**78,89**

Analysis

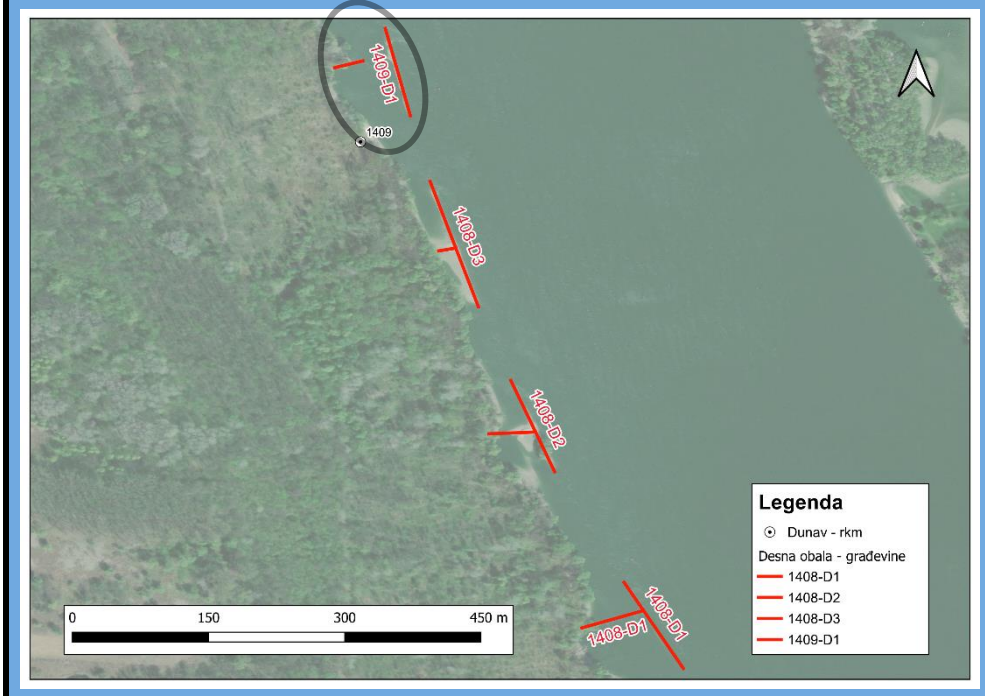
- Infrastructure is in bad condition..
- Effect of material deposition failed.
- Stone material of groyne head and rooting of groyne are visible. Groyne head and groyne connection are separated.

35. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1409-D1	**T-groyne**	**1409+115**	**139,74**	**80,48**

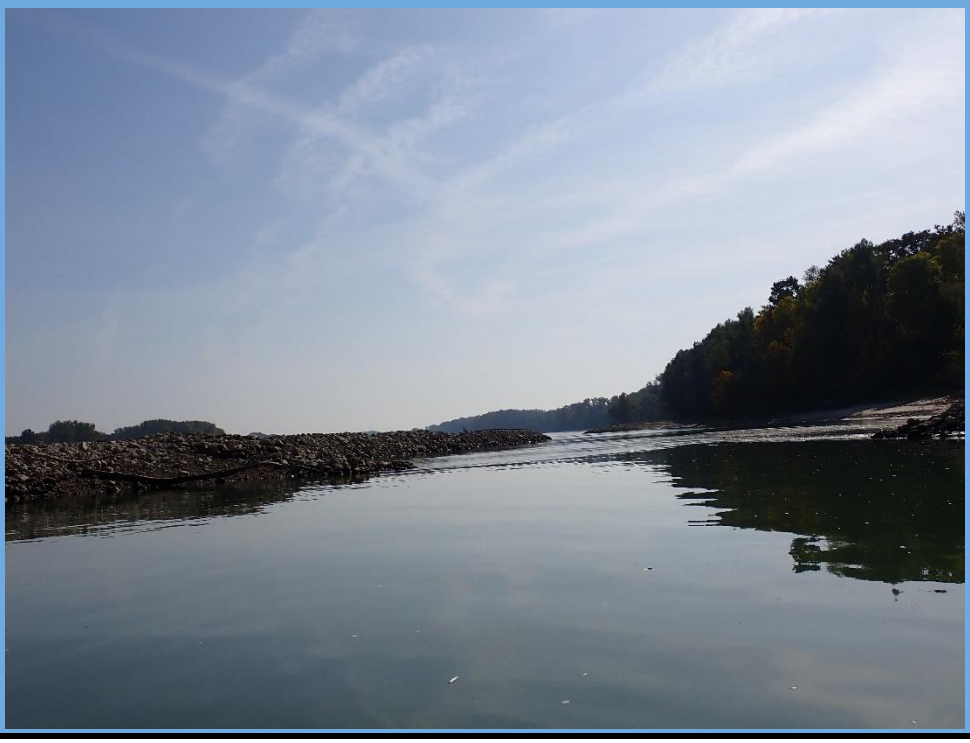
Existing documentation

- CADASTRE MARK **1409/1**
- CADASTRE PAGE **2/6**

Location of the infrastructure



Picture of the infrastructure



35. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1409-D1	**T-groyne**	**1409+115**	**139,74**	**80,48**

Analysis

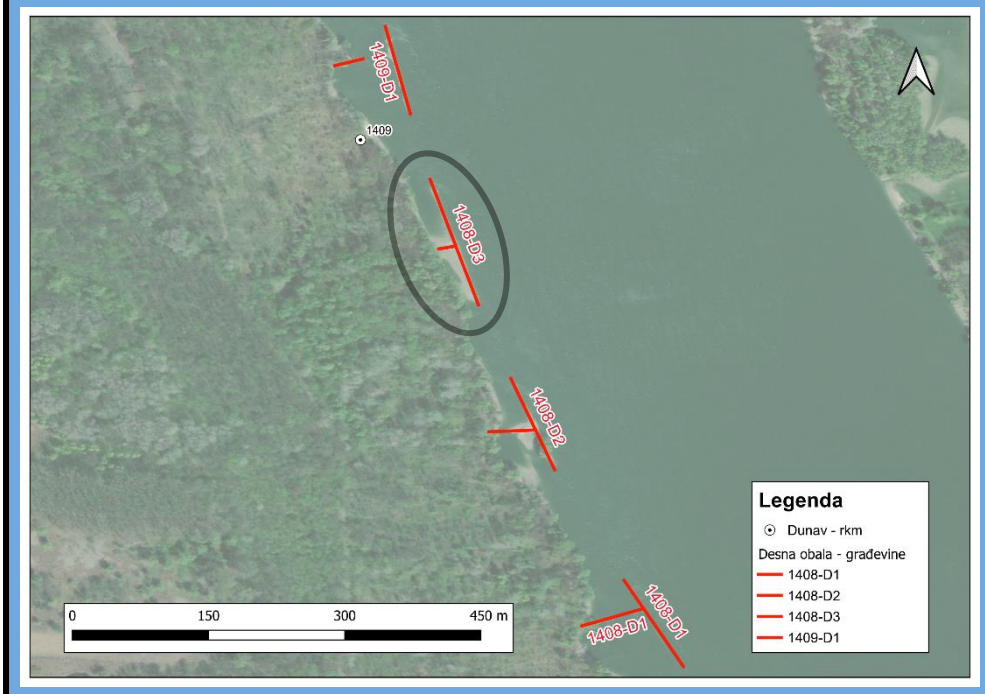
- Infrastructure is in bad condition.
- Effect of material deposition failed.
- Stone material of groyne head and rooting of groyne are visible. Groyne head and groyne connection are separated.

36. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1408-D3	**T-groyne**	**1408+819**	**203,94**	**80,88**

Existing documentation

- CADASTRE MARK **1408/3**
- CADASTRE PAGE **2/6**

Location of the infrastructure



Picture of the infrastructure

36. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1408-D3	**T-groyne**	**1408+819**	**203,94**	**80,88**

Analysis

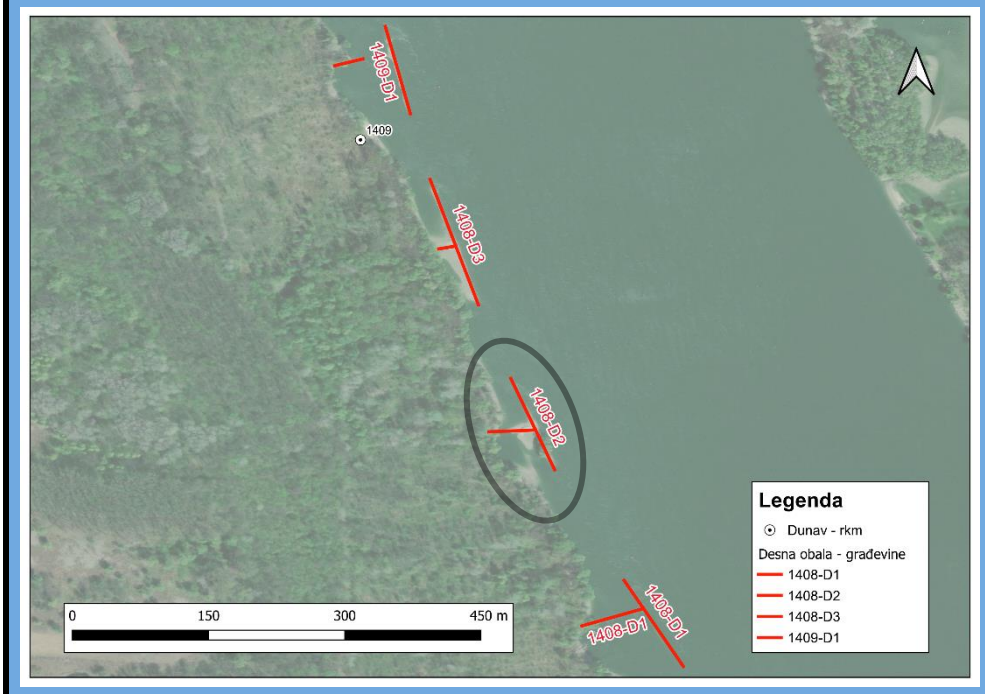
- Infrastructure is in excellent condition.
- Effect of material deposition ongoing (upstream, downstream).
- Groyne head and groyne connection are visible. Material deposition on the river bank downstream of the groyne, upstream still in the function of material deposition.

37. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1408-D2	**T-groyne**	**1408+532**	**151,05**	**80,89**

Existing documentation

- CADASTRE MARK **1408/2**
- CADASTRE PAGE **2/6**

Location of the infrastructure



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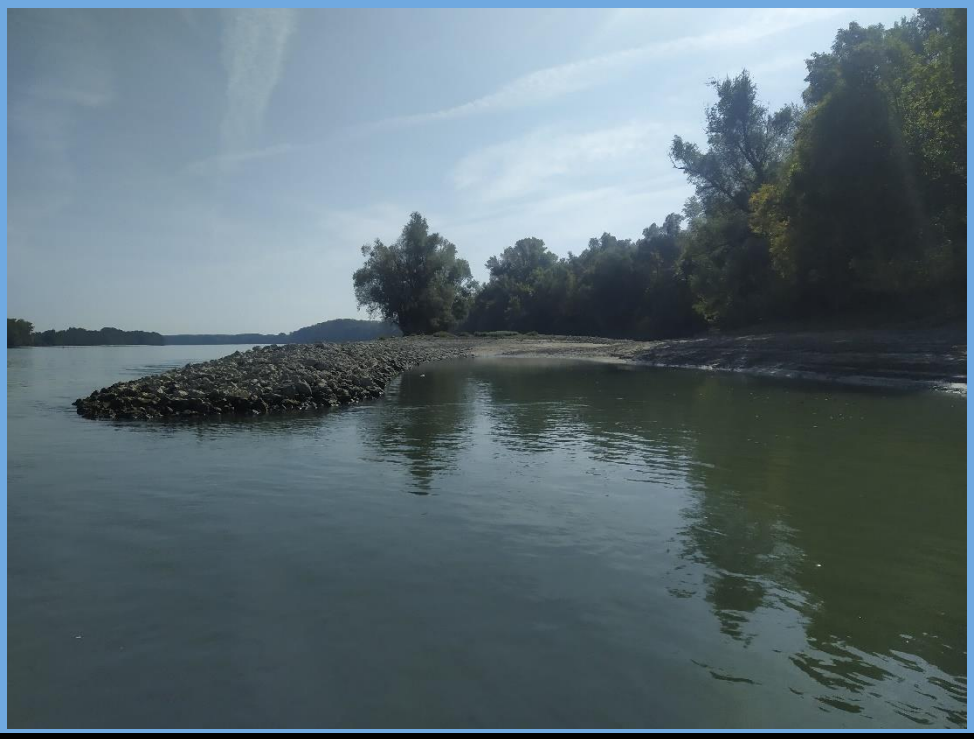

37. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1408-D2	**T-groyne**	**1408+532**	**151,05**	**80,89**

Analysis

- Infrastructure is in excellent condition.
- Effect of material deposition ongoing (upstream, downstream).
- Groyne head and groyne connection are visible. Material deposition on the river bank downstream of the groyne, upstream still in the function of material deposition. Trees are visible on the groyne crown.

38. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1408-D1	**T-groyne**	**1408+245**	**149,85**	**80,05**

Existing documentation

- CADASTRE MARK **1408/1**
- CADASTRE PAGE **2/6**

Location of the infrastructure

Picture of the infrastructure

38. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1408-D1	**T-groyne**	**1408+245**	**149,85**	**80,05**

Analysis

- Infrastructure is in excellent condition.
- Effect of material deposition ongoing (upstream, downstream).
- Groyne head and groyne connection are visible. The beginning of material deposition upstream and downstream of the groyne is present. Downstream on the groyne connection, stone washout under the groyne crown connection is visible.

39. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1407-D2	**Parallel structure**	**1407+860 do 1407+751**	**111,89**	**79,14**

Existing documentation

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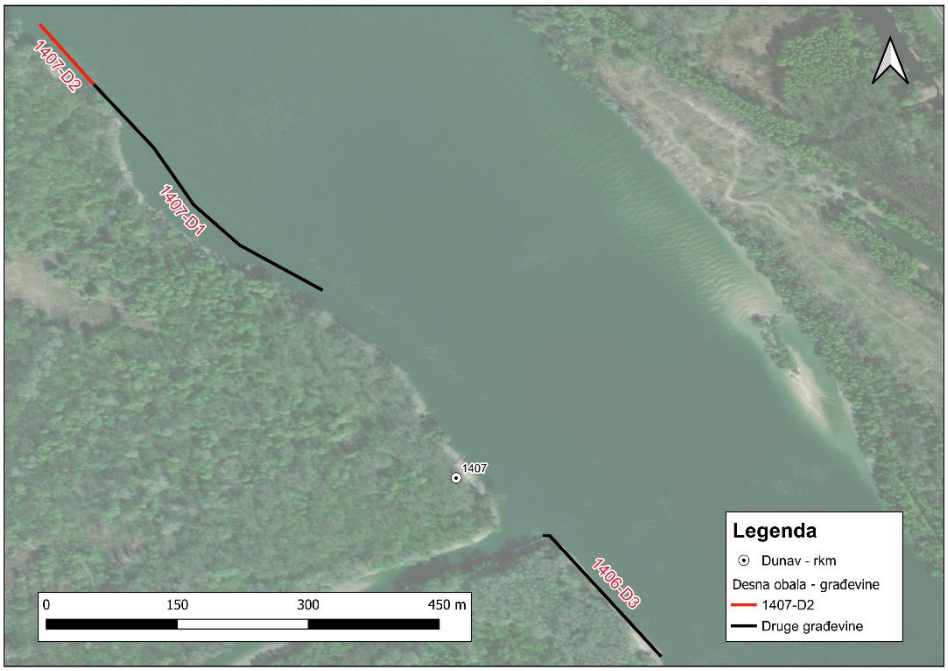
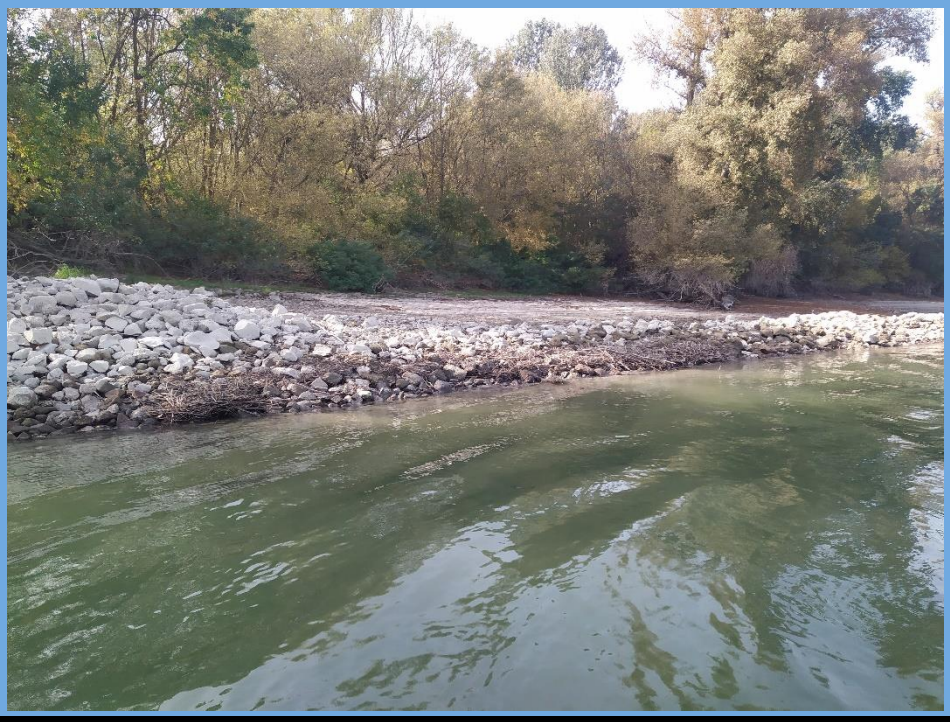
Location of the infrastructure



Picture of the infrastructure



39. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1407-D2	**Parallel structure**	**1407+860 do 1407+751**	**111,89**	**79,14**

Analysis

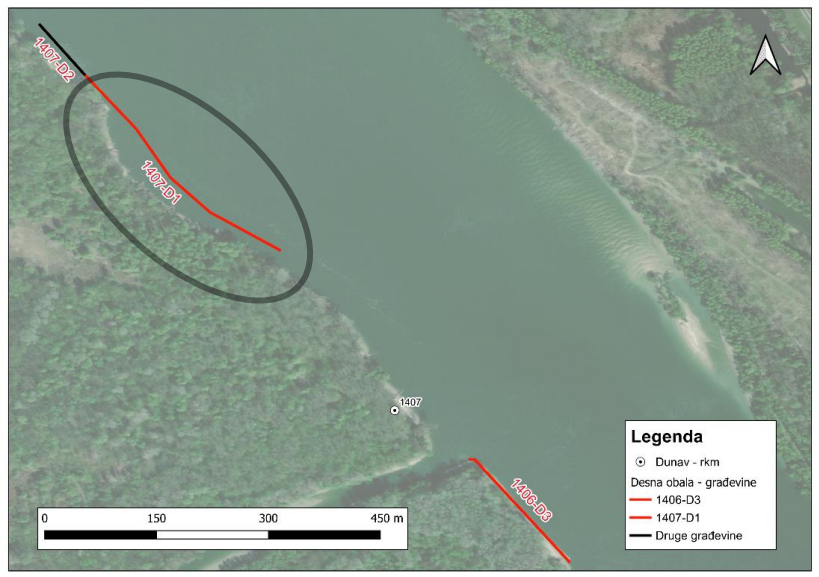
- Infrastructure is in bad condition.
- Effect of material deposition failed (upstream, downstream).
- Collapsed stone material of parallel structure is visible at low water levels.

40. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1407-D1	**Revetment**	**1407+751 do 1407+335**	**432,75**	**78,63**

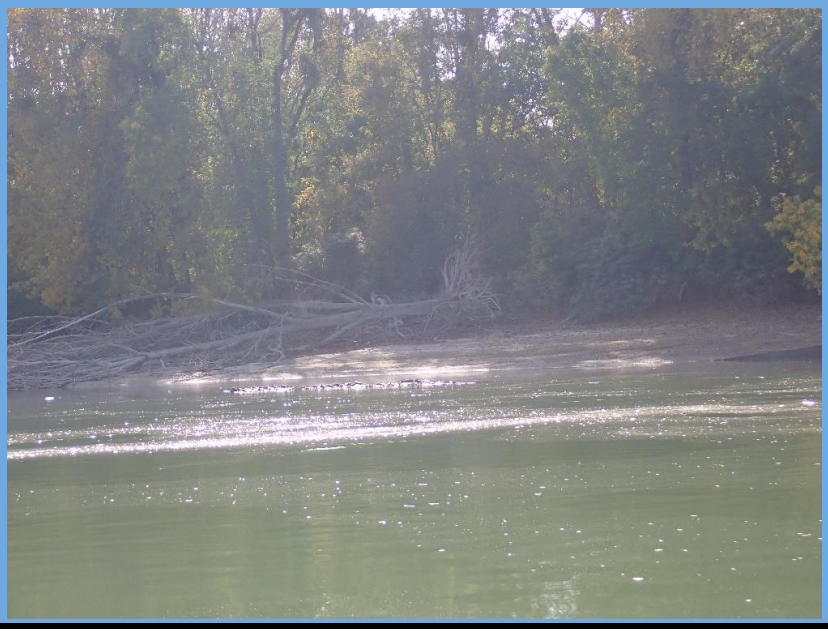
Existing documentation

- CADASTRE MARK **1407/1**
- CADASTRE PAGE **2/6**

Location of the infrastructure



Picture of the infrastructure



Analysis

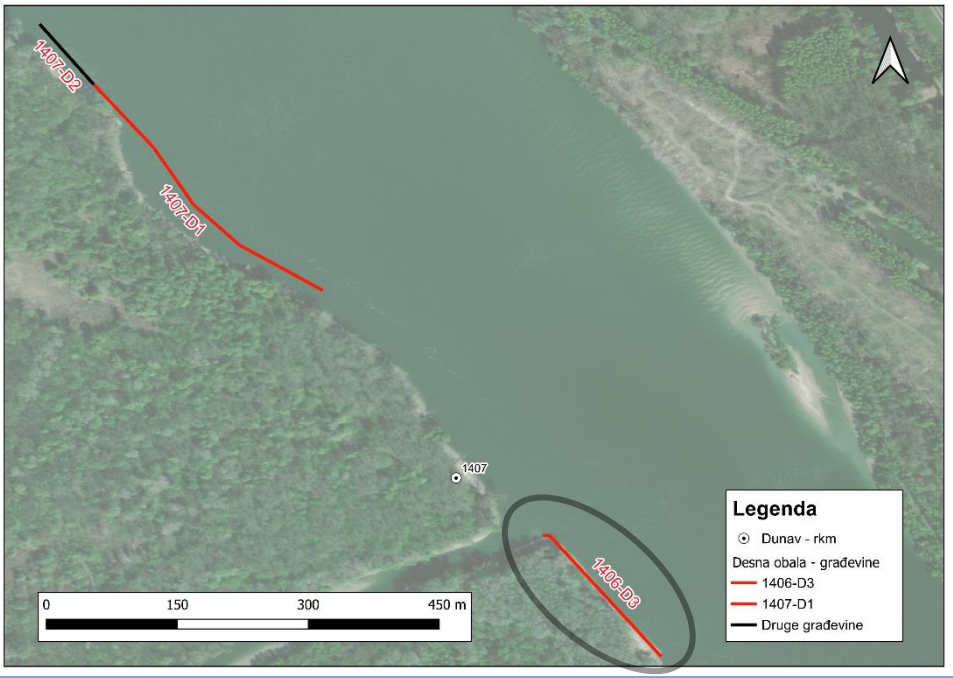
- Infrastructure is in bad condition..
- River bank erosion protection failed.
- Stone revetment. Washout and collapse of river bank behind revetment are spotted. Stone material is visible at low water levels.

41. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1406-D3	**Revetment**	**1406+978 do 1406+667**	**238,98**	**81,10**

Existing documentation

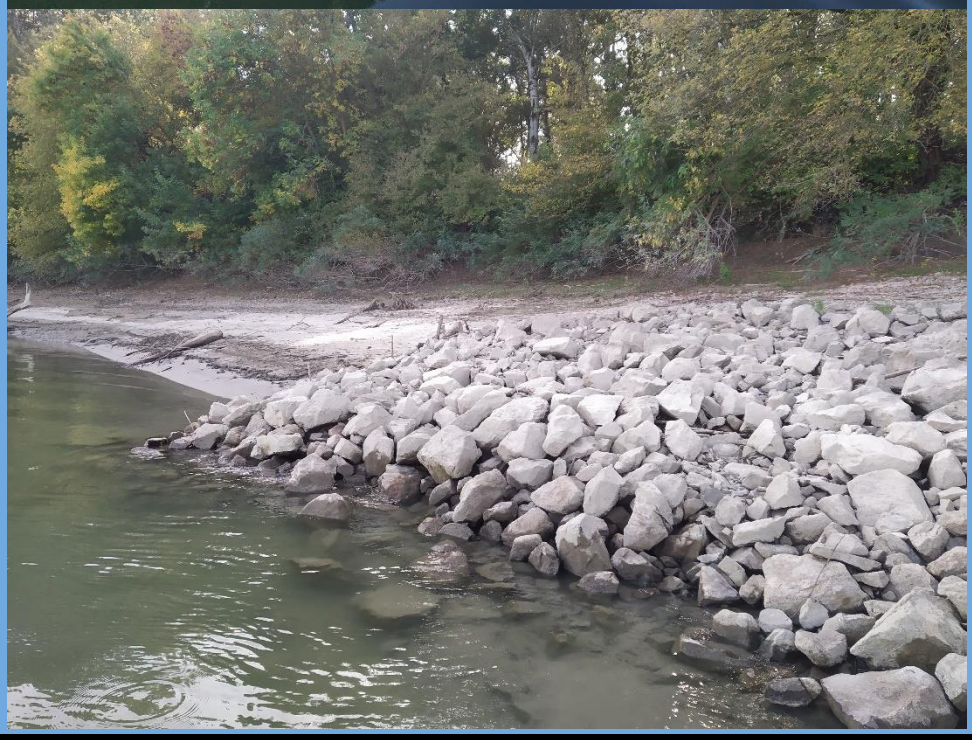
- CADASTRE MARK **1406/1**
- CADASTRE PAGE **2/6**

Location of the infrastructure



Picture of the infrastructure

41. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1406-D3	**Revetment**	**1406+978 do 1406+667**	**238,98**	**81,10**



Analysis

- Infrastructure is in excellent condition.
- River bank erosion protection ongoing at low water levels.
- Stone material of revetment is visible as well as vegetation above it. Revetment is continuous.

42. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1406-D2	**T-groyne**	**1406+281**	**91,25**	**80,39**

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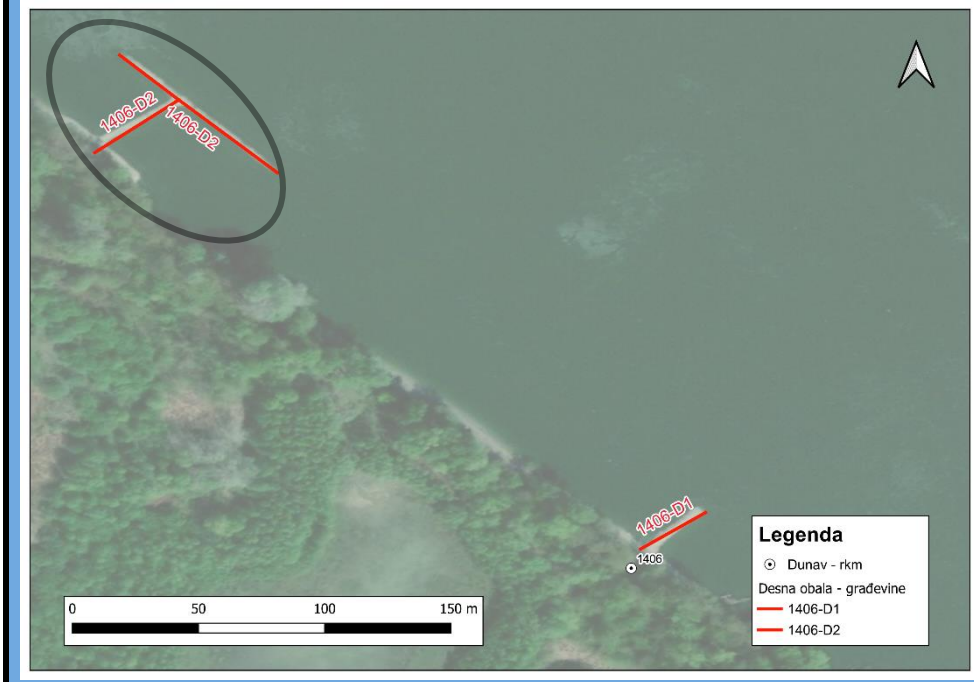
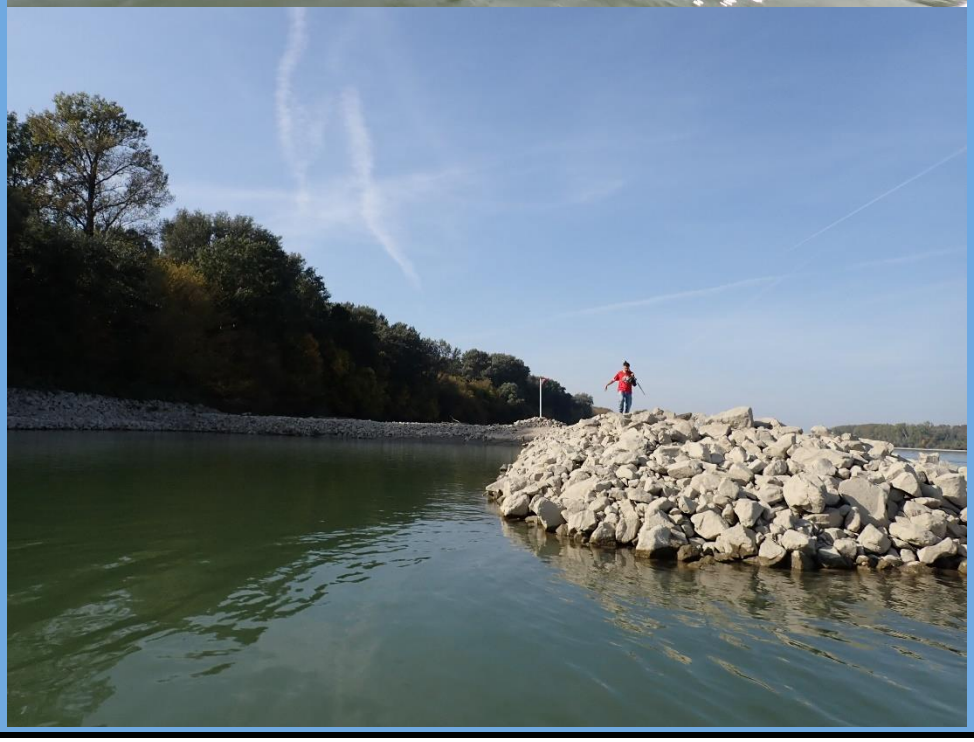
Location of the infrastructure



Picture of the infrastructure

42. Right bank	Type:	Chainage (r.km)	Length (m)	Crown elevation (m.a.s.l.)
1406-D2	**T-groyne**	**1406+281**	**91,25**	**80,39**



Analysis

- Infrastructure is in excellent condition.
- Effect of material deposition ongoing (upstream, downstream).
- T-groyne, stone material of groyne head and groyne connection is visible. Newly built groyne.

43. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1406-D1	**Groyne**	**1406+001**	**32,98**	**81,09**

Existing documentation

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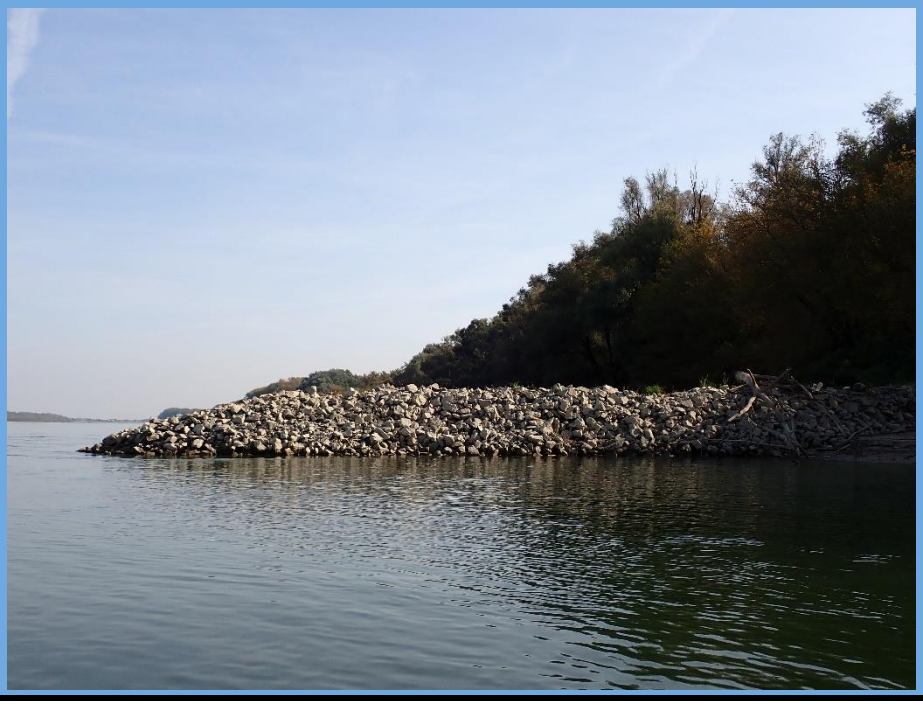
Location of the infrastructure

Picture of the infrastructure



43. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1406-D1	**Groyne**	**1406+001**	**32,98**	**81,09**

Analysis

- Infrastructure is in excellent condition..
- Effect of material deposition ongoing (upstream, downstream).
- Stone material of groyne connection is visible. Newly built groyne.

44. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1405-D2	**T-groyne**	**1405+691**	**93,24**	**79,77**

Existing documentation

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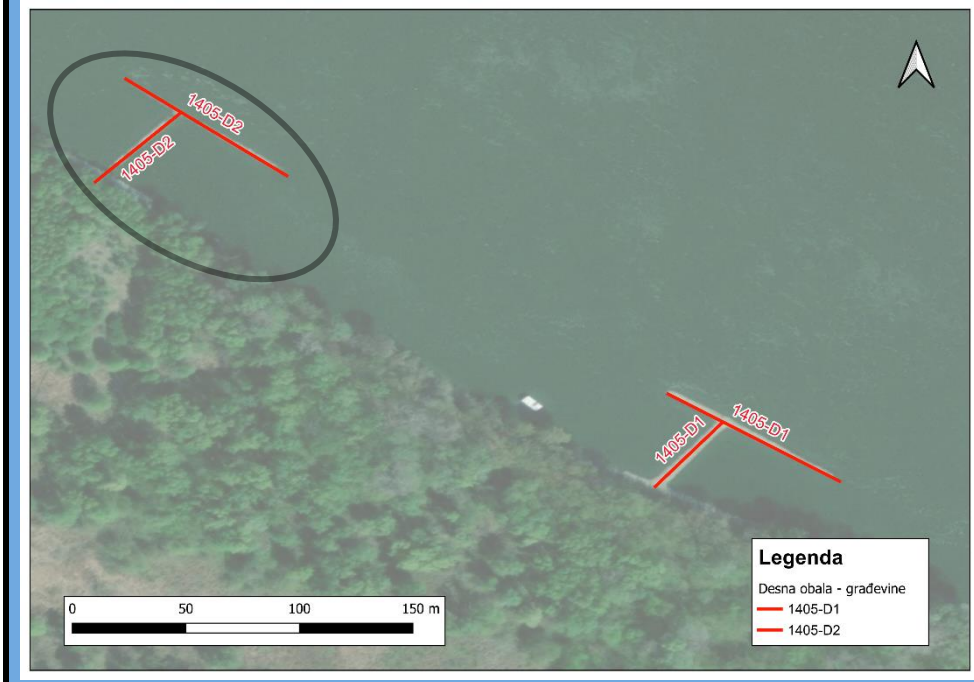
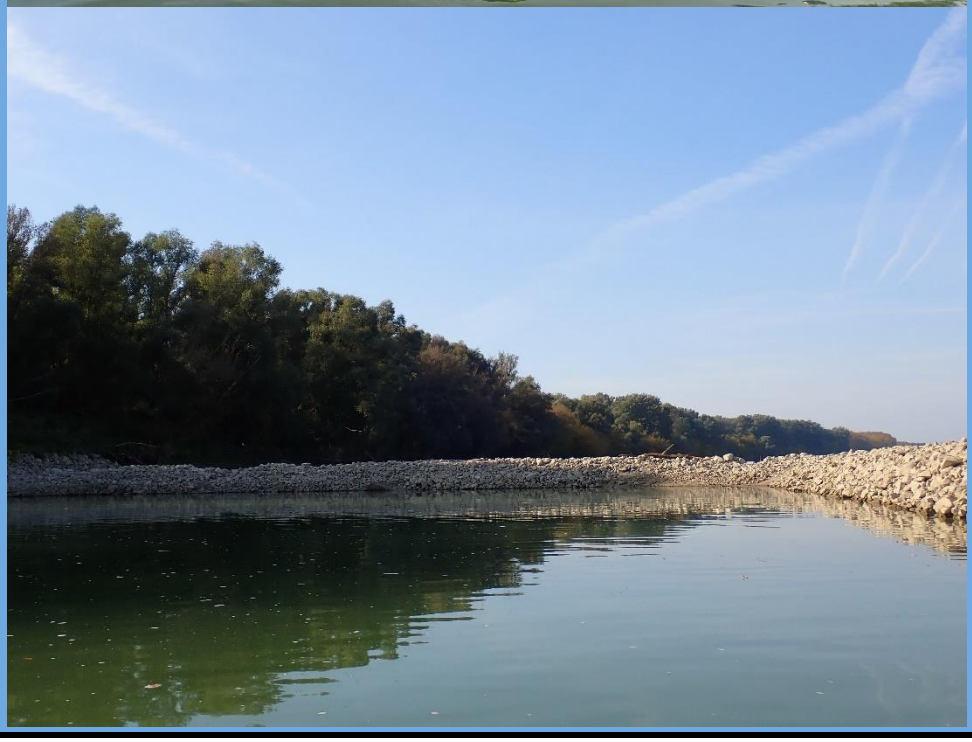
  It is not visible in „Cadastre“

Location of the infrastructure



Picture of the infrastructure

44. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1405-D2	**T-groyne**	**1405+691**	**93,24**	**79,77**



Analysis

- Infrastructure is in excellent condition.
- Effect of material deposition ongoing (upstream, downstream).
- T-groyne, stone material of groyne head and groyne connection is visible. Newly built groyne.

45. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1405-D1	**T-groyne**	**1405+383**	**93,25**	**81,38**

Existing documentation

- CADASTRE MARK
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- CADASTRE PAGE
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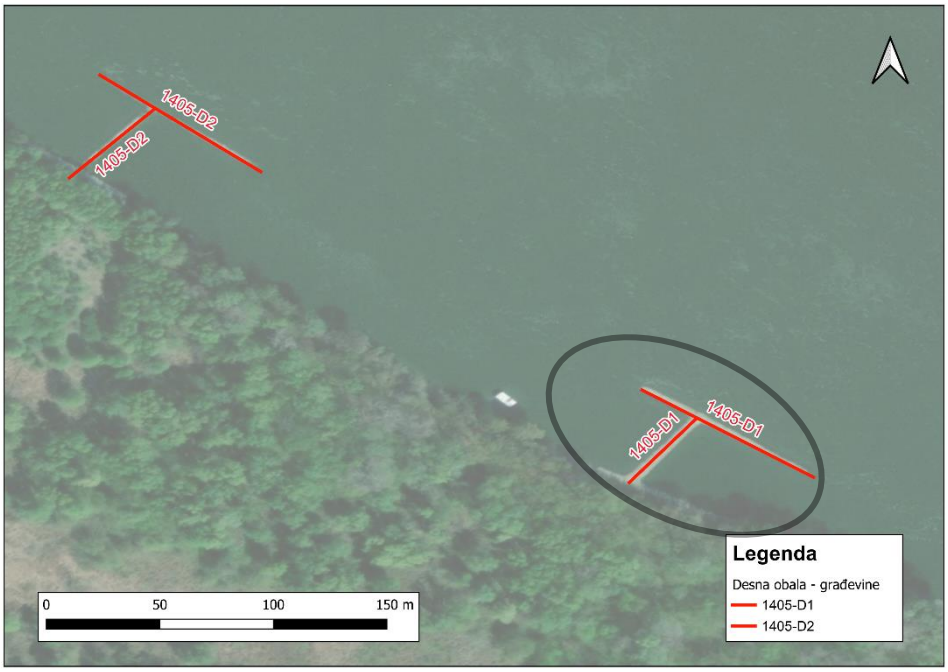
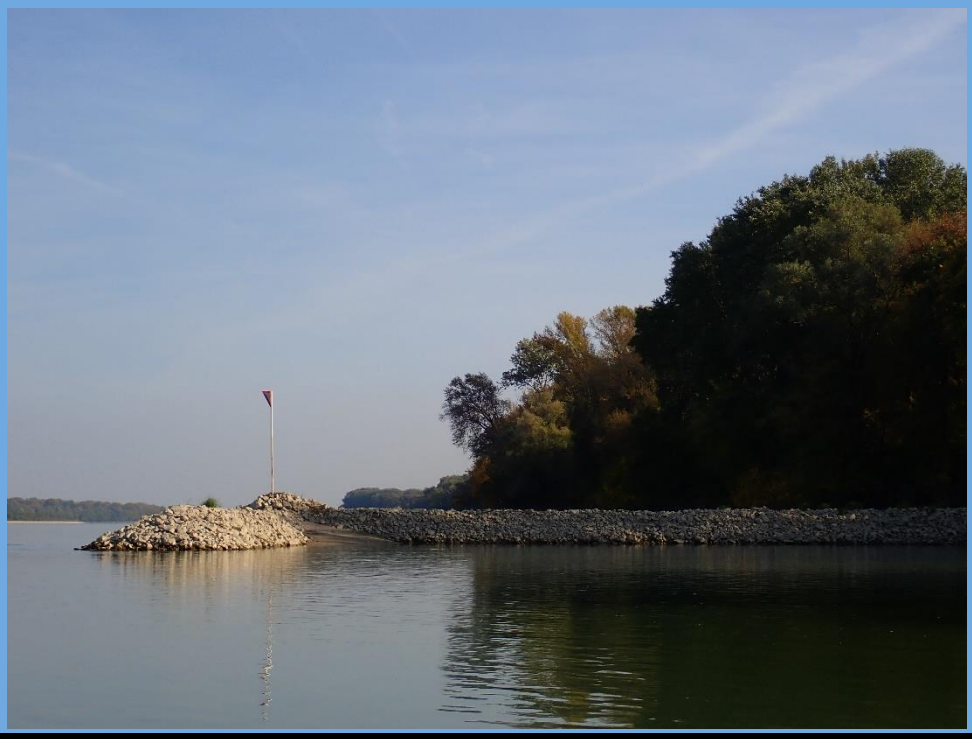
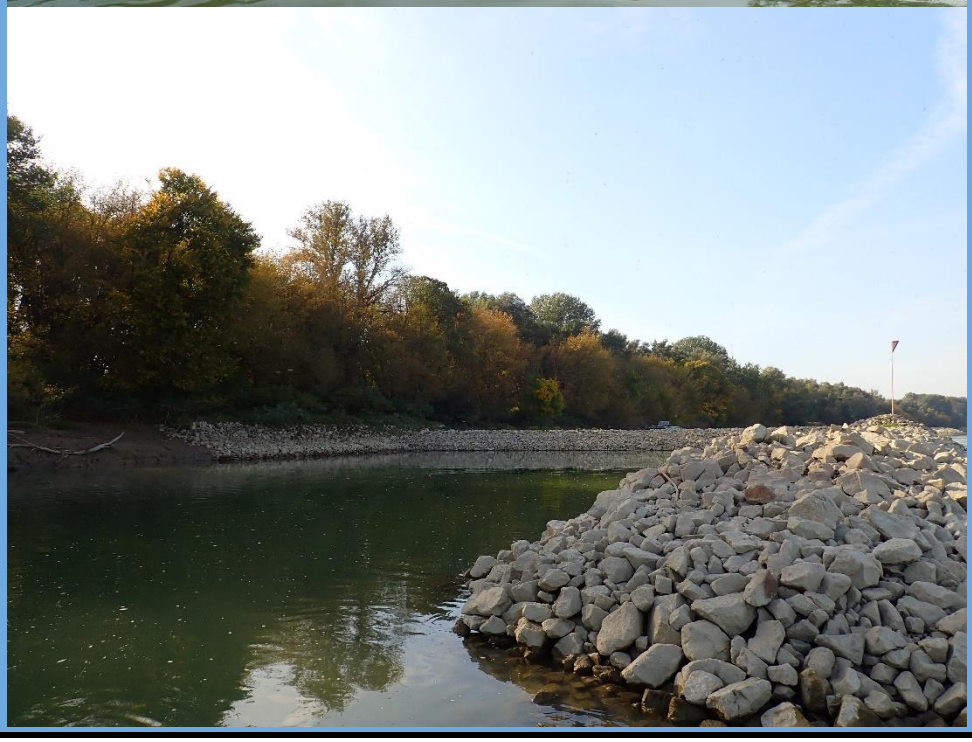
Location of the infrastructure



Picture of the infrastructure



45. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1405-D1	**T-groyne**	**1405+383**	**93,25**	**81,38**



Analysis

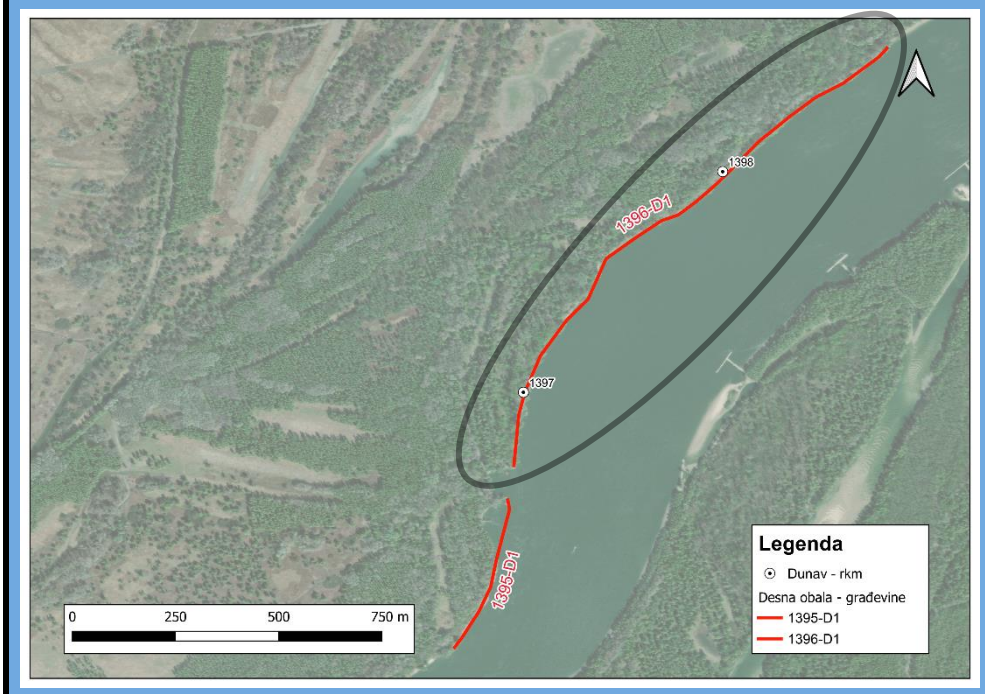
- Infrastructure is in excellent condition.
- Effect of material deposition ongoing (upstream, downstream).
- T-groyne, stone material of groyne head and groyne connection is visible. Newly built groyne.

46. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1396-D1	**Revetment**	**1398+575 do 1396+740**	**1762,99**	**80,39**

Existing documentation

- CADASTRE MARK **1397/1**
- CADASTRE PAGE **2/8**

Location of the infrastructure



Picture of the infrastructure

46. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1396-D1	**Revetment**	**1398+575 do 1396+740**	**1762,99**	**80,39**

Analysis

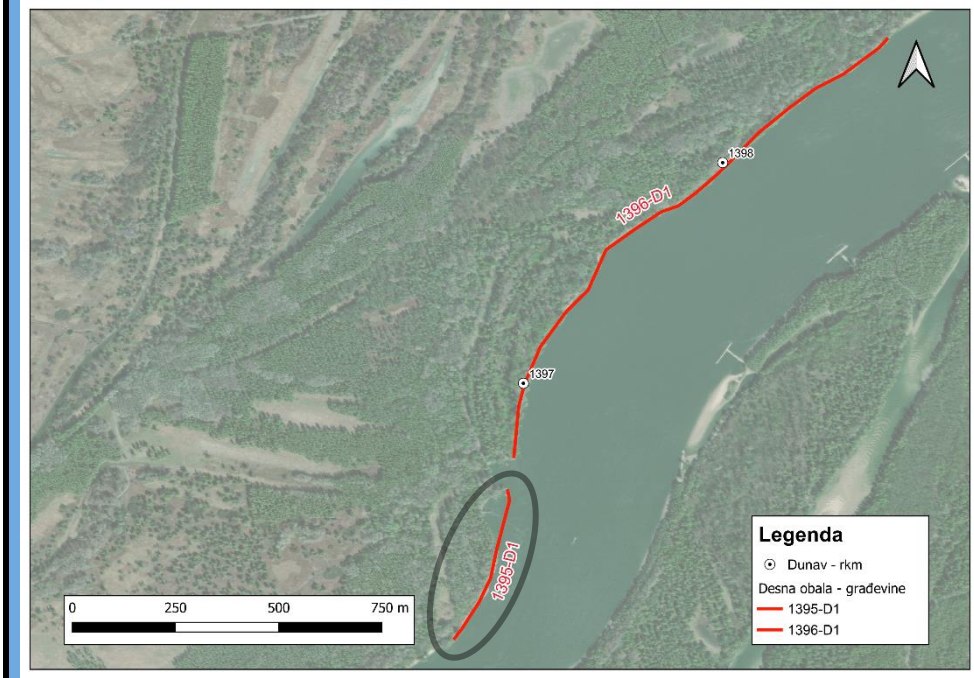
- Infrastructure is in good condition.
- River bank erosion protection ongoing at low water levels.
- Stone revetment above which is a stone river bank overgrown with plants and trees. A part of approx. 100 meters of the revetment has been washed away, no stone material is visible.

47. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1395-D1	**Imported fill**	**1396+614 do 1395+959**	**531,47**	**80,88**

Existing documentation

- CADASTRE MARK **1395/1**
- CADASTRE PAGE **2/8**

Location of the infrastructure



Picture of the infrastructure

47. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1395-D1	**Imported fill**	**1396+614 do 1395+959**	**531,47**	**80,88**

Analysis

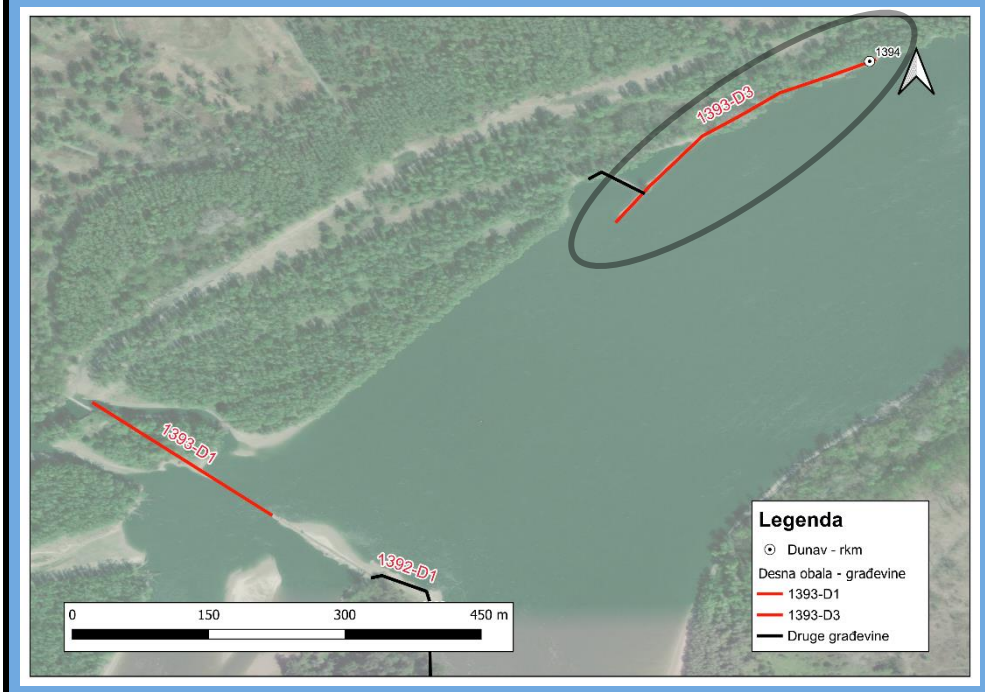
- Infrastructure is in satisfying condition.
- River bank protection from further erosion ongoing.
- Stone material on bevel of the river bank is visible, as well as vegetation above the stone material. At downstream part of landfill, stone material on bevel is not visible.

48. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1393-D3	**Parallel structure**	**1394+006 do 1393+640**	**389,24**	**80,38**

Existing documentation

- CADASTRE MARK **1393/3**
- CADASTRE PAGE **2/9**

Location of the infrastructure



Picture of the infrastructure

48. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1393-D3	**Parallel structure**	**1394+006 do 1393+640**	**389,24**	**80,38**

Analysis

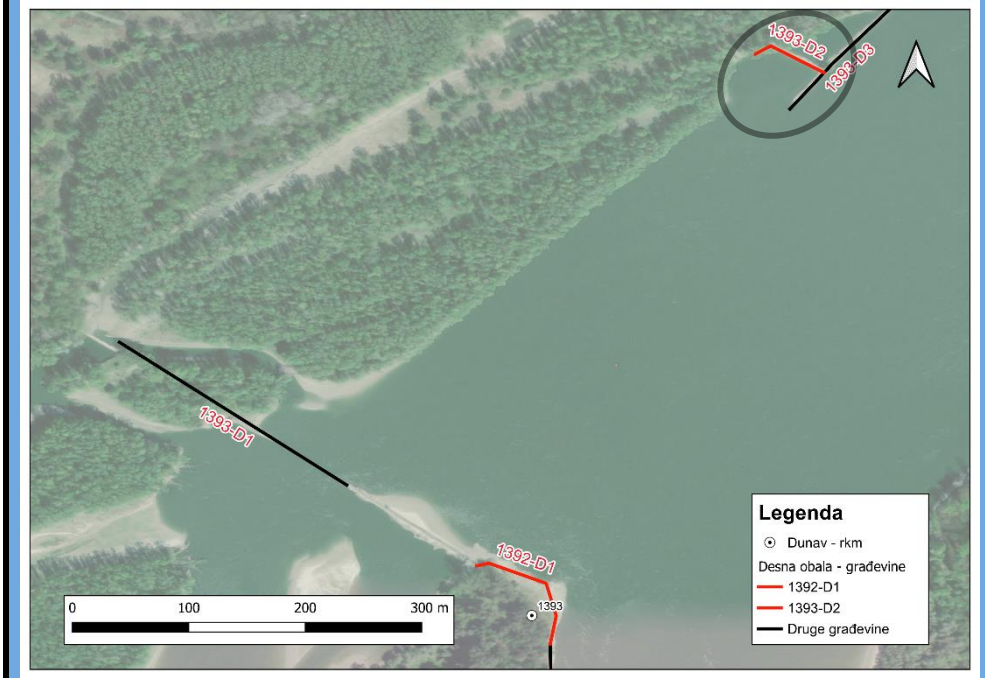
- Infrastructure is in excellent condition.
- Effect of material deposition ongoing (downstream).
- Stone material of parallel structure is visible. A tree is present at junction of parallel and groyne 1393-D2.

49. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1393-D2	**Groyne**	**1393+691**	**72,97**	**80,09**

Existing documentation

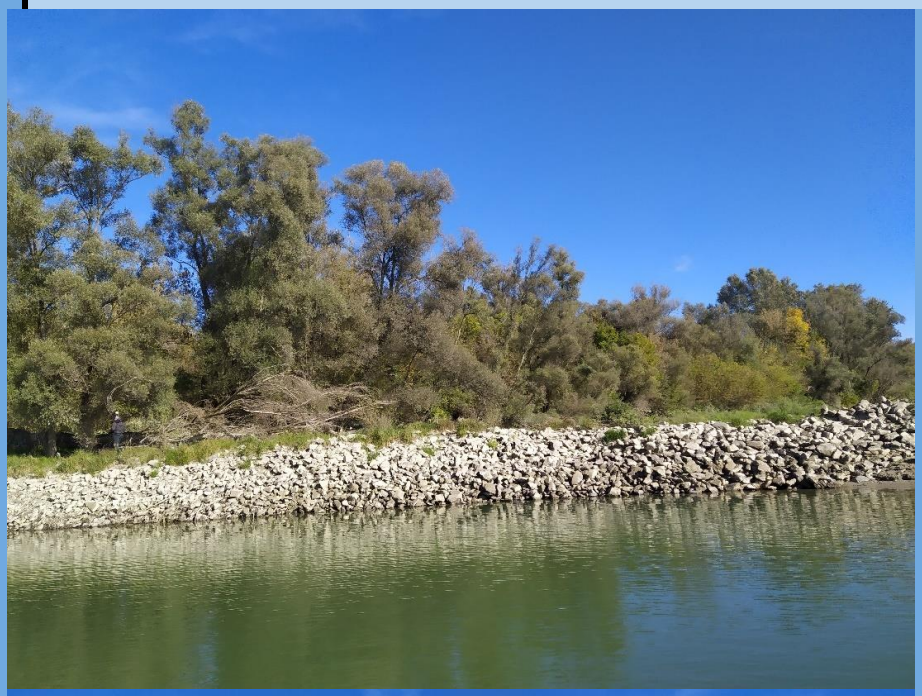
- CADASTRE MARK **1393/2**
- CADASTRE PAGE **2/9**

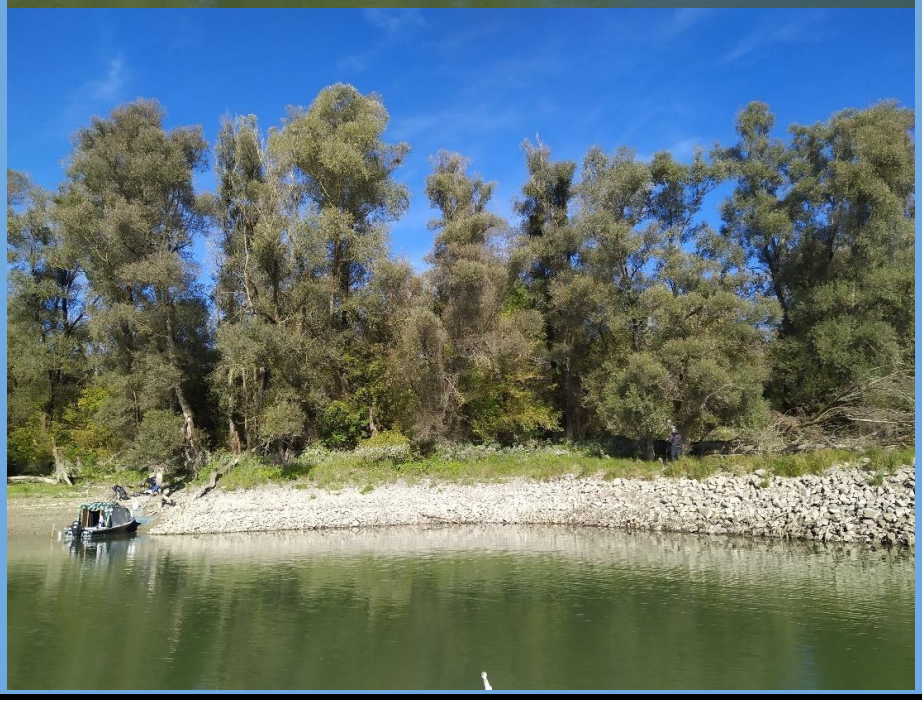
Location of the infrastructure



Picture of the infrastructure

49. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1393-D2	**Groyne**	**1393+691**	**72,97**	**80,09**





Analysis

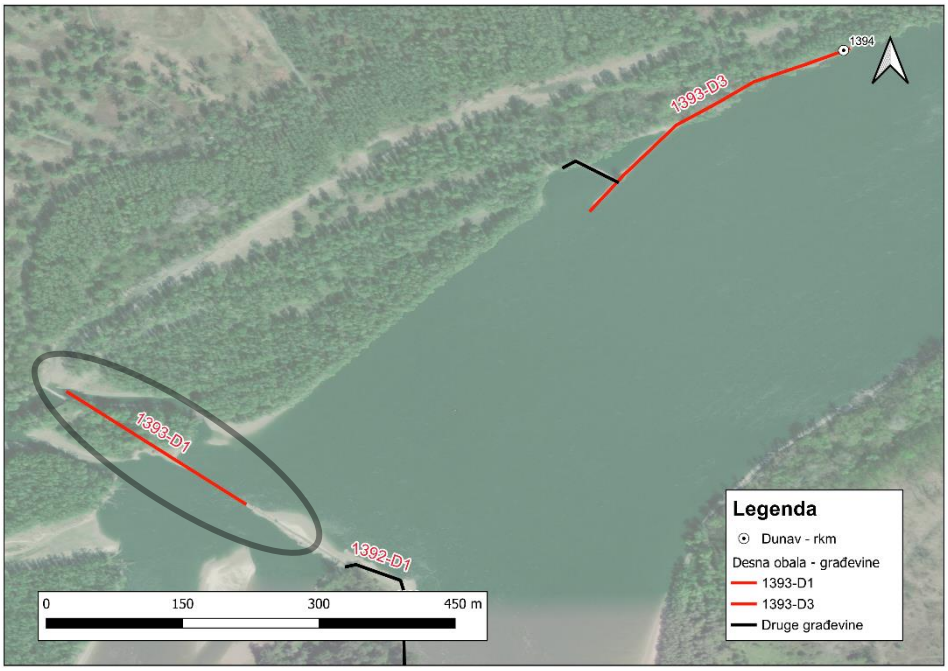
- Infrastructure is in good condition.
- Effect of material deposition ongoing (upstream, downstream).
- Groyne and the beginning of material deposition upstream and downstream of the groyne are visible. Downstream on the groyne, stone washout under the groyne crown is visible. Tree at the junction of the parallel 1393-D3 and the groyne is visible.

50. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1393-D1	**Barrier**	**1393+117**	**262,05**	**79,20**

Existing documentation

- CADASTRE MARK **1393/1**
- CADASTRE PAGE **2/9**

Location of the infrastructure



Picture of the infrastructure

50. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1393-D1	**Barrier**	**1393+117**	**262,05**	**79,20**

Analysis

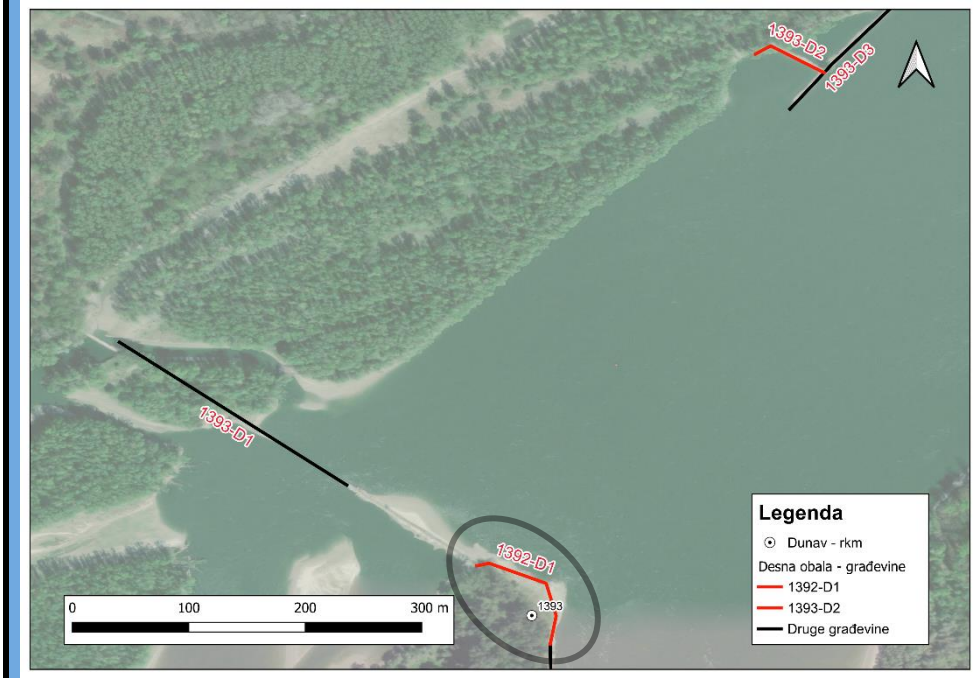
- Infrastructure is in bad condition.
- Barrier on backwater flow failed at low water level.
- Stone material of barrier is visible on both river banks. Barrier has irregular geometry. In the middle of the flow, the barrier is opened.

51. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1392-D1	**Revetment**	**1393+056 do 1392+961**	**141,42**	**82,25**

Existing documentation

- CADASTRE MARK **1392/4**
- CADASTRE PAGE **2/9**

Location of the infrastructure



Picture of the infrastructure

51. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1392-D1	**Revetment**	**1393+056 do 1392+961**	**141,42**	**82,25**

Analysis

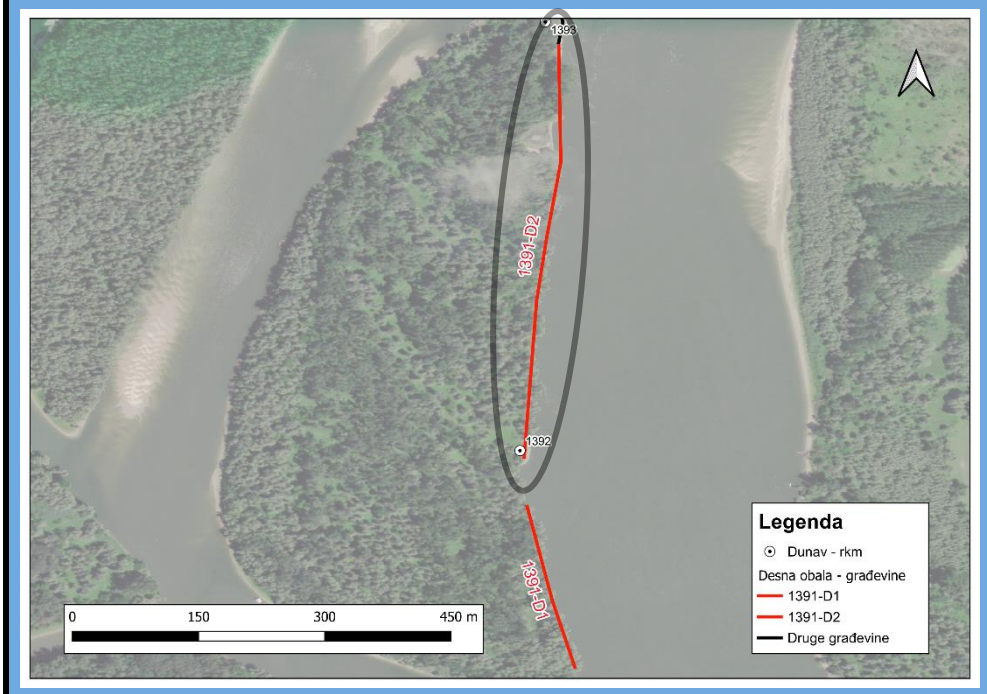
- Infrastructure is in bad condition.
- River bank erosion protection failed.
- Revetment is collapsed and the geotextile beneath the stone material is visible.

52. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1391-D2	**Revetment**	**1392+961 do 1391+991**	**704,65**	**83,23**

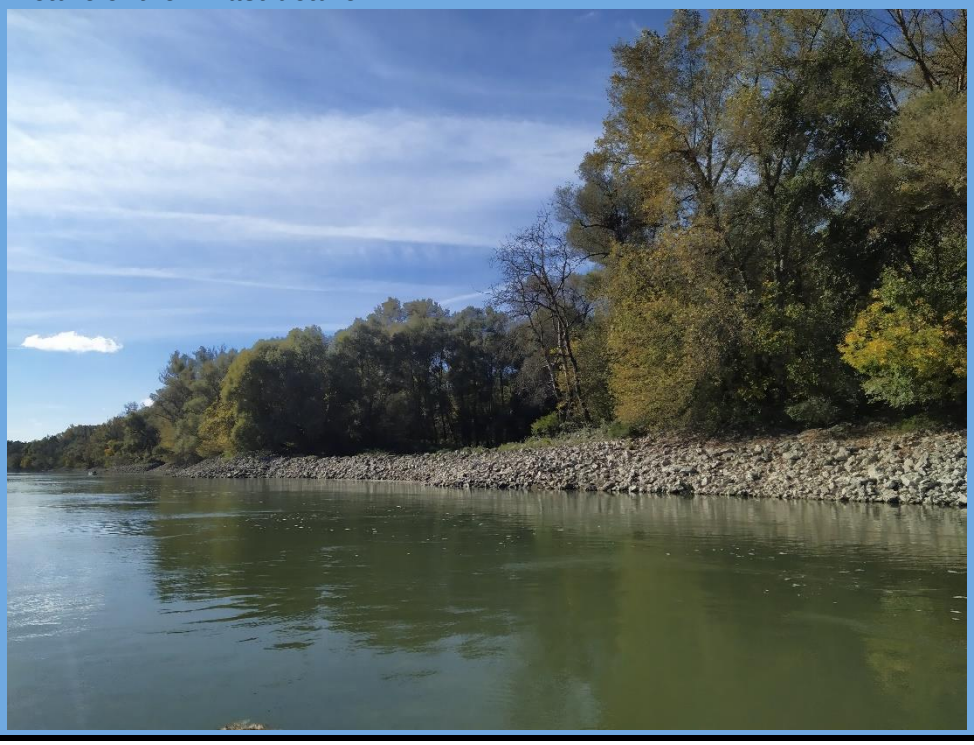
Existing documentation

- CADASTRE MARK **1392/3**
- CADASTRE PAGE **2/9**

Location of the infrastructure



Picture of the infrastructure



52. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1391-D2	**Revetment**	**1392+961 do 1391+991**	**704,65**	**83,23**

Analysis

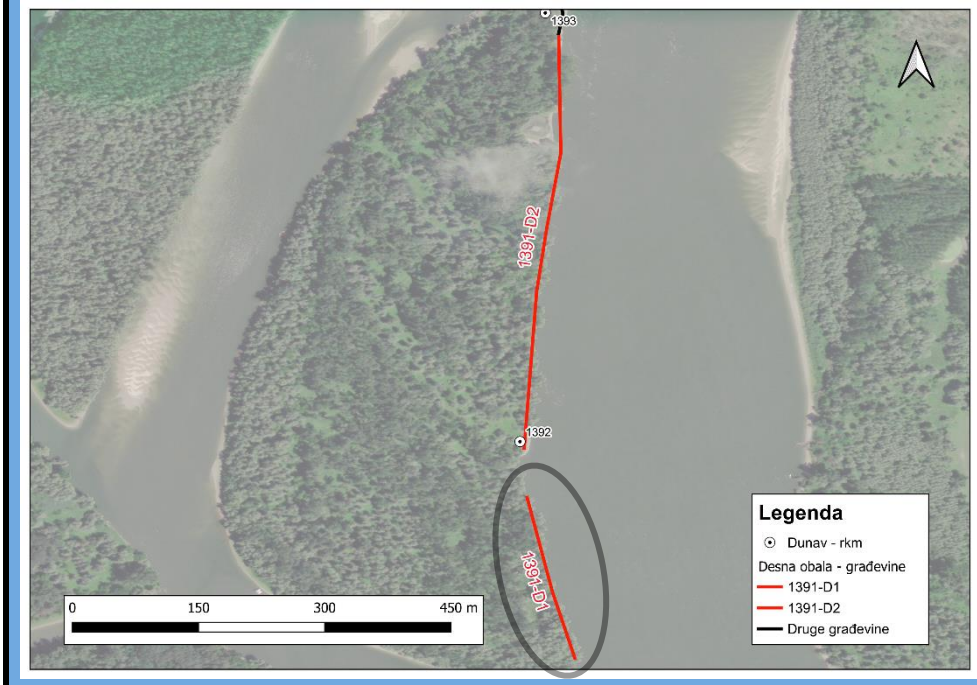
- Infrastructure is in good condition.
- River bank erosion protection ongoing at medium water levels.
- Stone revetment. Above is a stone river bank overgrown with plants and trees. A rupture of revetment has been spotted in length around 20 meters.

53. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1391-D1	**Parallel structure**	**1391+927 do 1391+716**	**278,02**	**81,96**

Existing documentation

- CADASTRE MARK **1392/2**
- CADASTRE PAGE **2/9**

Location of the infrastructure



Picture of the infrastructure

53. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1391-D1	**Parallel structure**	**1391+927 do 1391+716**	**278,02**	**81,96**

Analysis

- Infrastructure is in excellent condition.
- Effect of material deposition ongoing (upstream, downstream).
- Stone material of parallel structure on the bevel of the river bank is visible. Material deposition is spotted upstream and downstream of the parallel structure.

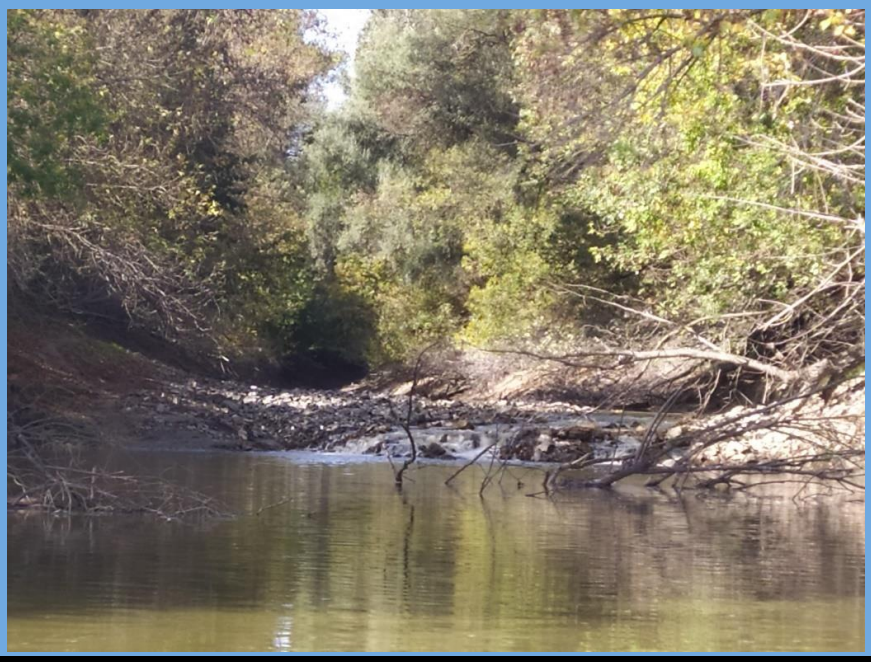
54. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1387-D1	**Barrier**	**1387+827**	**26,06**	**80,00**

Existing documentation

- CADASTRE MARK **1387/1**
- CADASTRE PAGE **2/10**

Location of the infrastructure

Picture of the infrastructure



Analysis

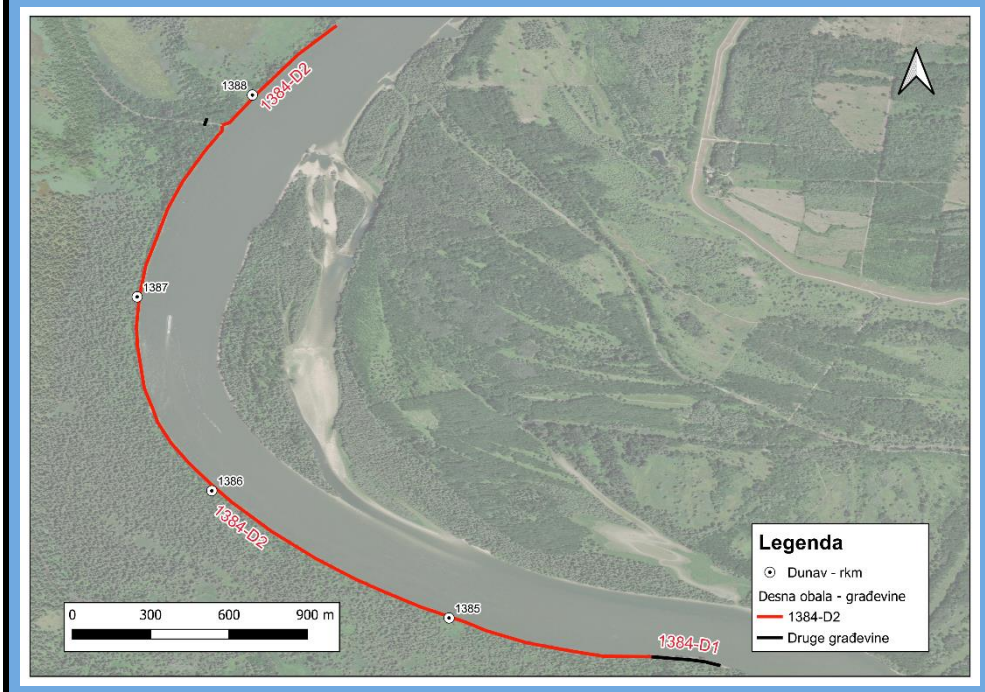
- Infrastructure is in good condition.
- Barrier on backwater flow finished at low water level.
- Barrier is covered with dirt and vegetation. Stone material of barrier is not visible.

55. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1384-D2	**Revetment**	**1388+387 do 1384+468**	**4749,82**	**80,15**

Existing documentation

- CADASTRE MARK **1386/1**
- CADASTRE PAGE **2/10**

Location of the infrastructure



Picture of the infrastructure

55. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1384-D2	**Revetment**	**1388+387 do 1384+468**	**4749,82**	**80,15**

55. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1384-D2	**Revetment**	**1388+387 do 1384+468**	**4749,82**	**80,15**

Analysis

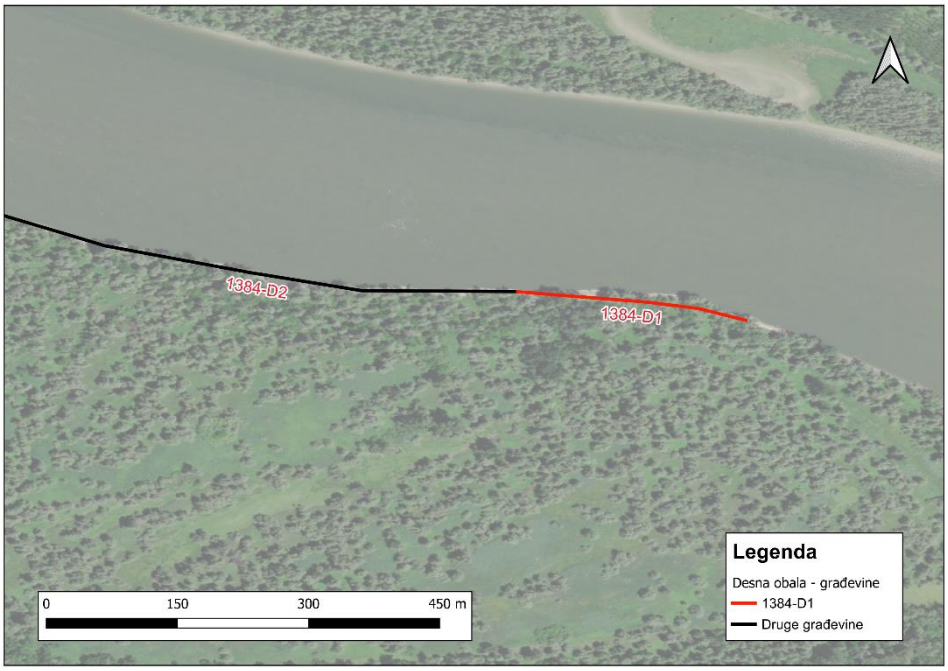
- Infrastructure is in good condition.
- River bank erosion protection ongoing at low water levels.
- Revetment starts at 300 meters upstream from the barrier 1387-D1. It continues after the barrier 1387-D1. Stone material of revetment is visible. Above the stone material vegetation is present. Landslide of revetment has been spotted at two locations.

56. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1384-D1	**Revetment**	**1384+468 do 1384+283**	**270,14**	**80,41**

Existing documentation

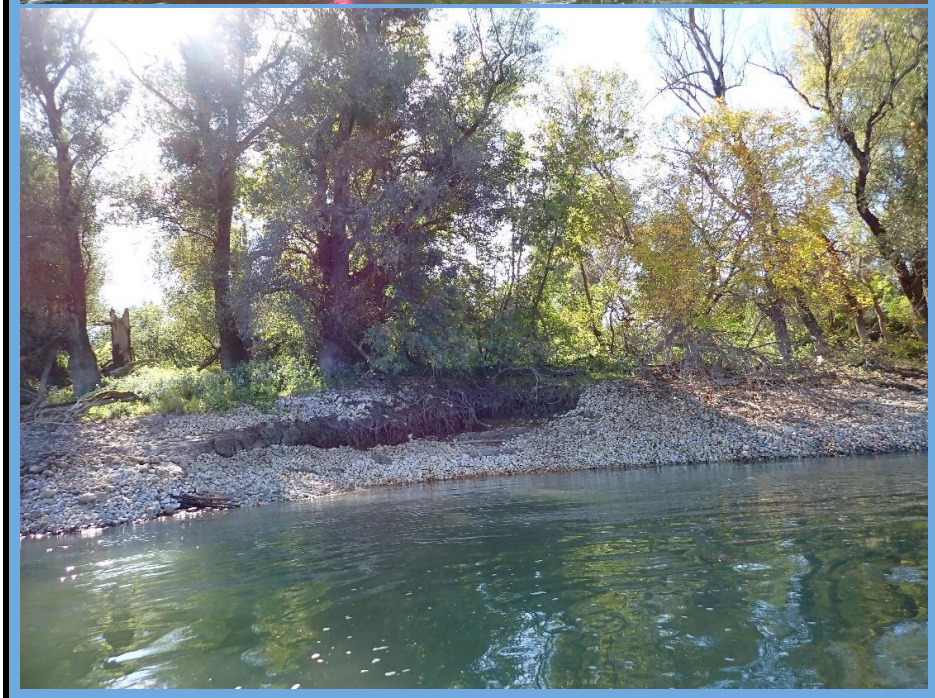
- CADASTRE MARK **1384/1**
- CADASTRE PAGE **2/10** **2/11**

Location of the infrastructure



Picture of the infrastructure

56. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1384-D1	**Revetment**	**1384+468 do 1384+283**	**270,14**	**80,41**



Analysis

- Infrastructure is in excellent condition.
- River bank erosion protection ongoing at low water levels.
- Stone material of revetment is visible. Above is a stone river bank overgrown with vegetation and trees.

57. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1382-D2	**Groyne**	**1382+557**	**37,06**	**80,03**

Existing documentation

- CADASTRE MARK **1382/2**
- CADASTRE PAGE **2/1**

Location of the infrastructure

Picture of the infrastructure

57. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1382-D2	**Groyne**	**1382+557**	**37,06**	**80,03**

Analysis

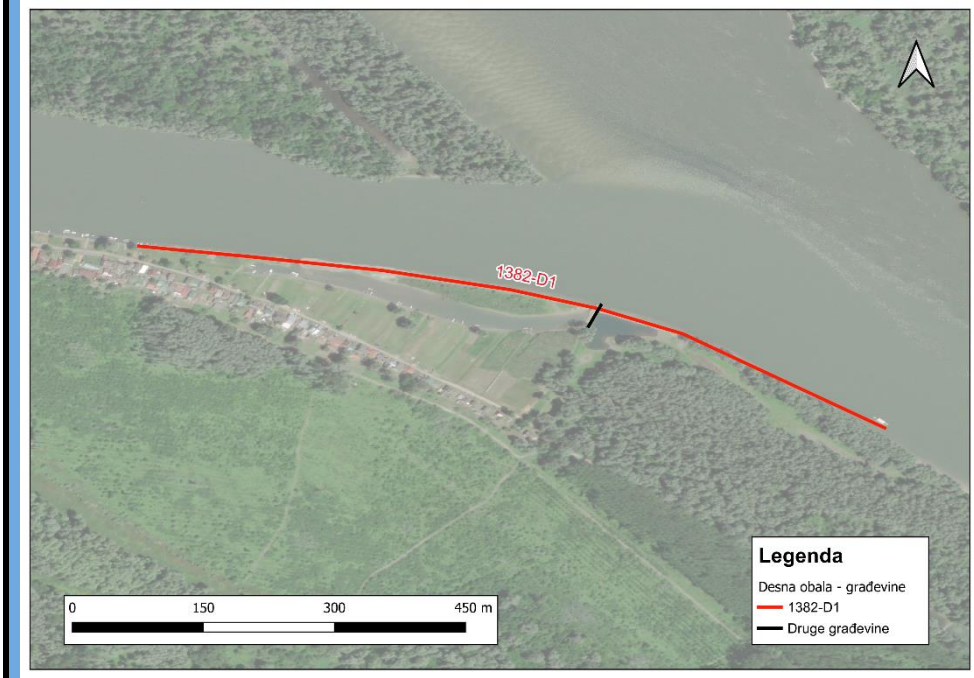
- Infrastructure is in satisfying condition..
- Effect of material deposition ongoing.
- Material deposit upstream and downstream of the groyne and stone material of groyne are visible.

58. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1382-D1	**Parallel structure**	**1382+893 do 1382+209**	**919,15**	**80,04**

Existing documentation

- CADASTRE MARK **1382/1**
- CADASTRE PAGE **2/1**

Location of the infrastructure



Picture of the infrastructure

58. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1382-D1	**Parallel structure**	**1382+893 do 1382+209**	**919,15**	**80,04**

Analysis

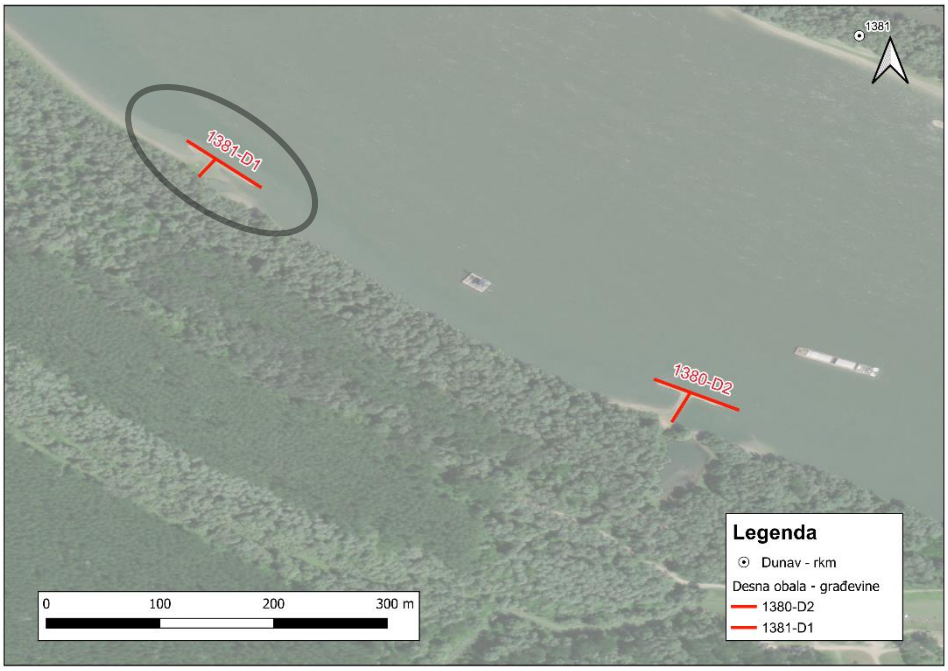
- Infrastructure is in satisfying condition.
- Effect of material deposition ongoing (upstream, downstream).
- Near the settlement of Aljmaš, stone material of parallel structure is visible. Material deposition is present in the back of the parallel structure. Material deposition and vegetation overgrowth is present on the river bank.

59. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1381-D1	**T-groyne**	**1381+381**	**85,31**	**79,62**

Existing documentation

- CADASTRE MARK **1381/1**
- CADASTRE PAGE **2/1**

Location of the infrastructure



Picture of the infrastructure

59. Right bank	***Type:***	***Chainage (r.km)***	***Length (m)***	***Crown elevation (m.a.s.l.)***
1381-D1	**T-groyne**	**1381+381**	**85,31**	**79,62**

Analysis

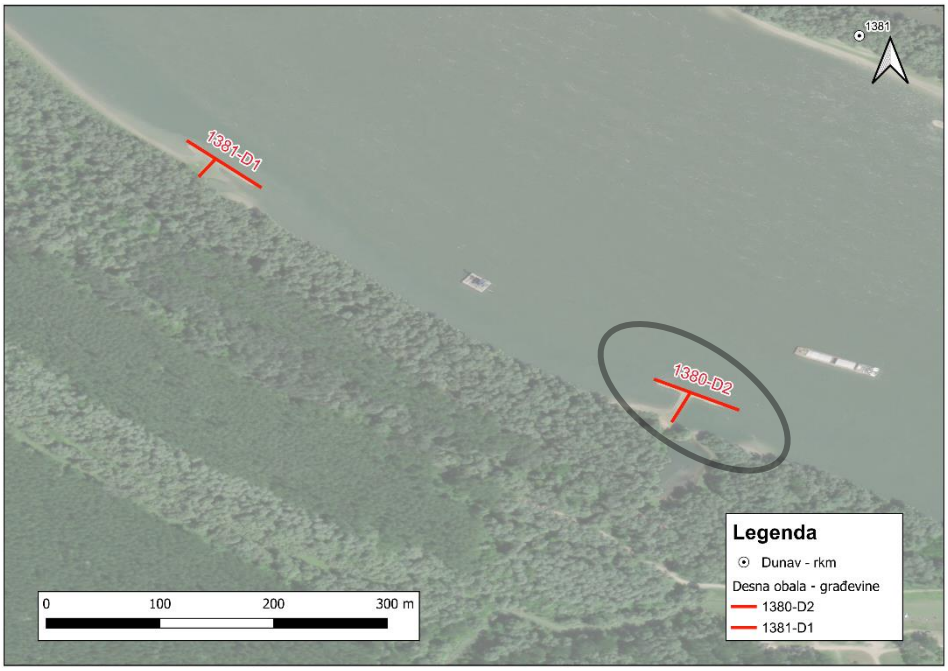
- Infrastructure is in excellent condition.
- Effect of material deposition ongoing (upstream, downstream).
- Groyne head and groyne connection are visible. Sand deposit upstream and downstream of the groyne.

60. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1380-D2	**T-groyne**	**1380+908**	**81,56**	**79,32**

Existing documentation

- CADASTRE MARK **1380/2**
- CADASTRE PAGE **2/1**

Location of the infrastructure



Picture of the infrastructure

60. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1380-D2	**T-groyne**	**1380+908**	**81,56**	**79,32**

Analysis

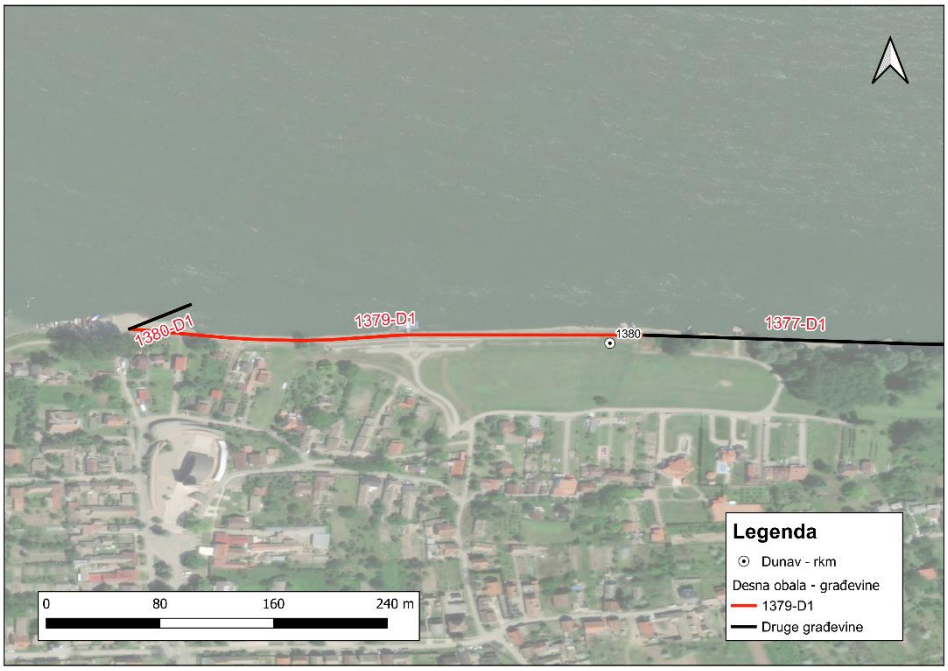
- Infrastructure is in good condition.
- Effect of material deposition ongoing (upstream, downstream).
- Groyne head and groyne connection are visible. The beginning of material deposition upstream and downstream of the groyne is visible. Downstream on the groyne connection, stone washout under the groyne crown is visible.

61. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1379-D1	**Revetment**	**1380+357 do 1379+983**	**361,37**	**80,68**

Existing documentation

- CADASTRE MARK **1380/1**
- CADASTRE PAGE **2/1**

Location of the infrastructure



Picture of the infrastructure

61. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1379-D1	**Revetment**	**1380+357 do 1379+983**	**361,37**	**80,68**

Analysis

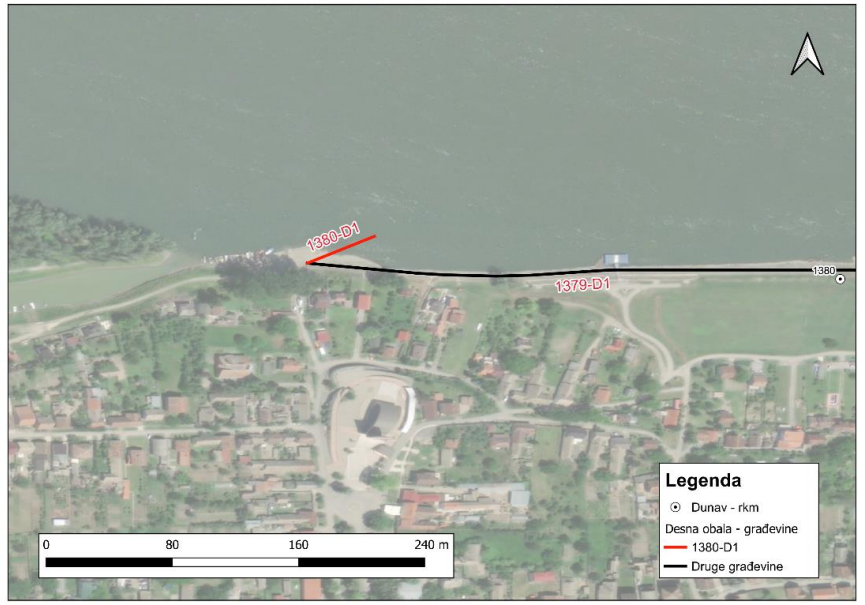
- Infrastructure is in good condition.
- River bank erosion protection ongoing at medium water levels.
- Stone revetment upstream and downstream of passenger wharf Aljmaš is present. Near the mentioned wharf there is a city-type revetment. Concrete stairs along the bevel of the revetment are present.

62. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1380-D1	**Groyne**	**1380+357**	**49,94**	**78,03**

Existing documentation

- CADASTRE MARK **1380/3**
- CADASTRE PAGE **2/1**

Location of the infrastructure



Picture of the infrastructure

Analysis

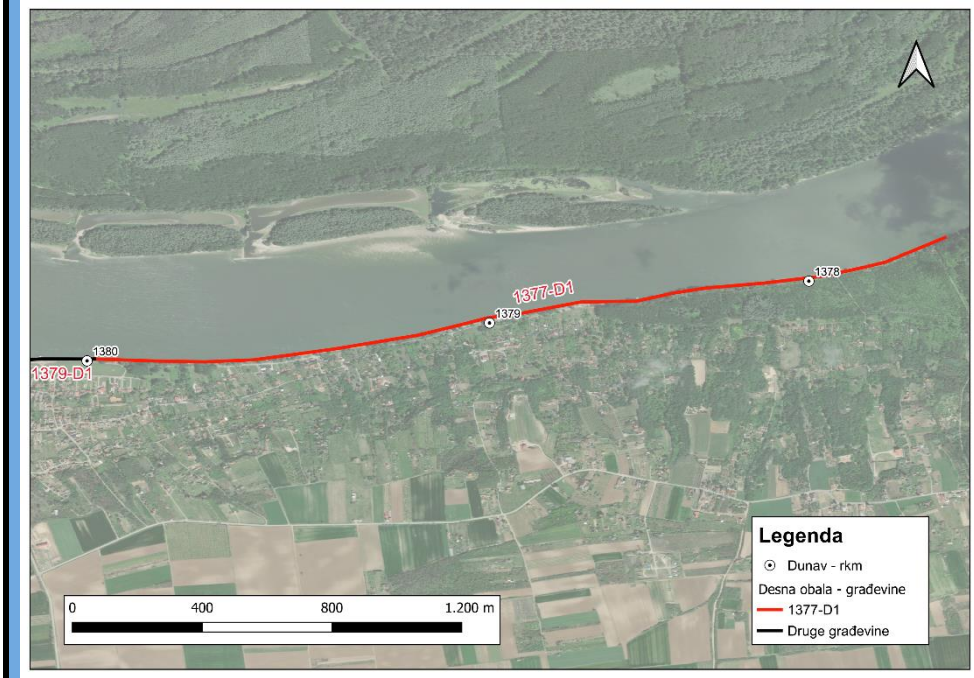
- Infrastructure is in bad condition..
- Effect of material deposition failed.
- Stone material of groyne is visible at low water levels upstream of the revetment 1379-D1.

63. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1377-D1	**Revetment**	**1379+983 do 1377+528**	**2705,45**	**80,60**

Existing documentation

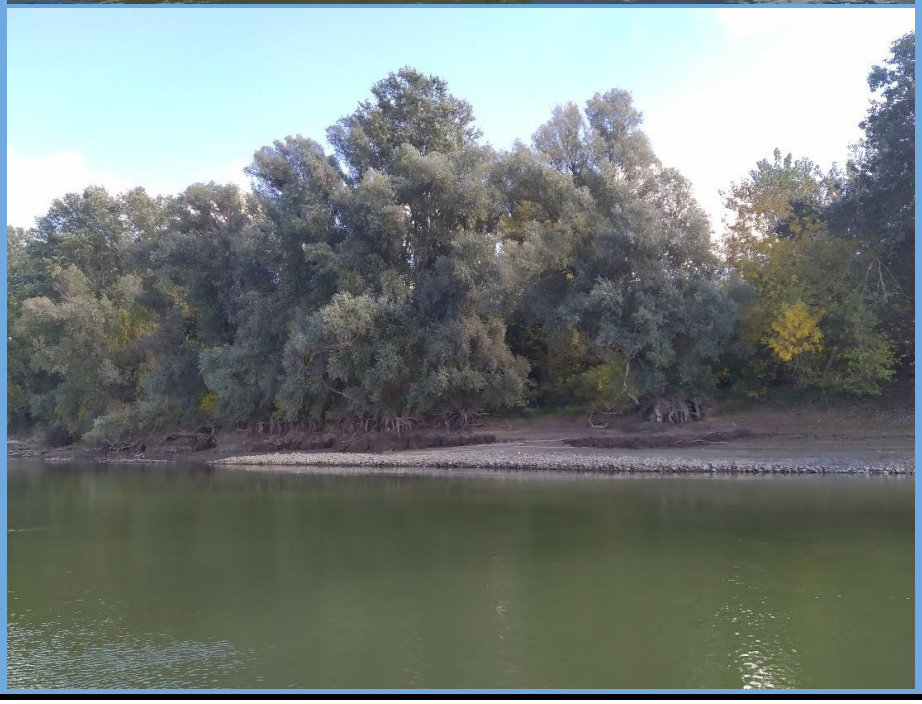
- CADASTRE MARK
  1379/1
  1378/1
  1377/1
- CADASTRE PAGE
  2/2

Location of the infrastructure



Picture of the infrastructure

63. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1377-D1	**Revetment**	**1379+983 do 1377+528**	**2705,45**	**80,60**



Analysis

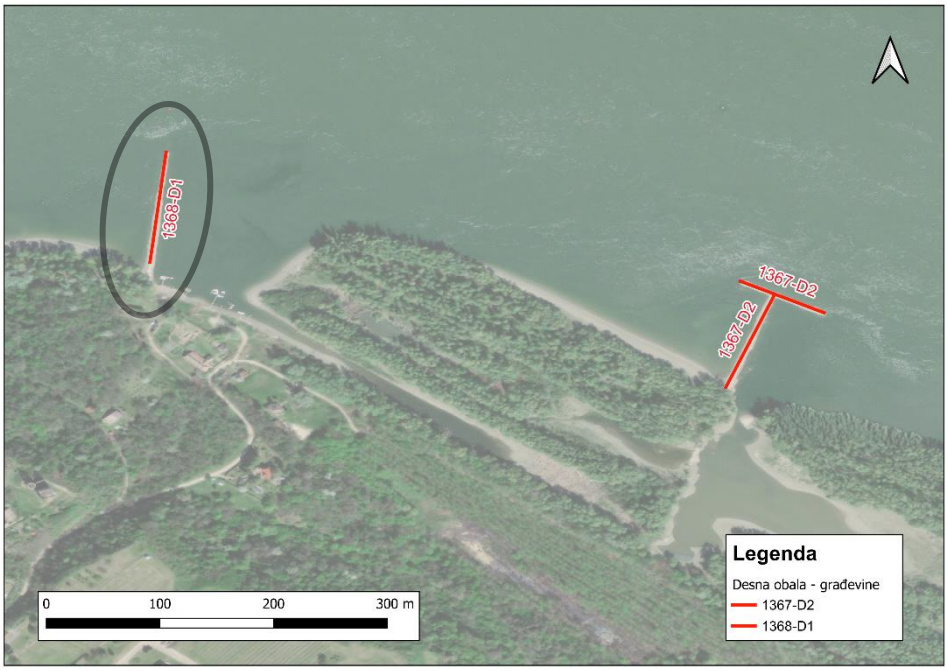
- Infrastructure is in bad/ satisfying condition.
- River bank erosion protection ongoing at medium water levels.
- Stone material of revetment on the bevel is visible. It protects the river bank of the Aljmaš settlement.

64. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1368-D1	**Groyne**	**1368+237**	**138,31**	**78,06**

Existing documentation

- CADASTRE MARK **1368/1**
- CADASTRE PAGE **2/4**

Location of the infrastructure



Picture of the infrastructure

64. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1368-D1	**Groyne**	**1368+237**	**138,31**	**78,06**

Analysis

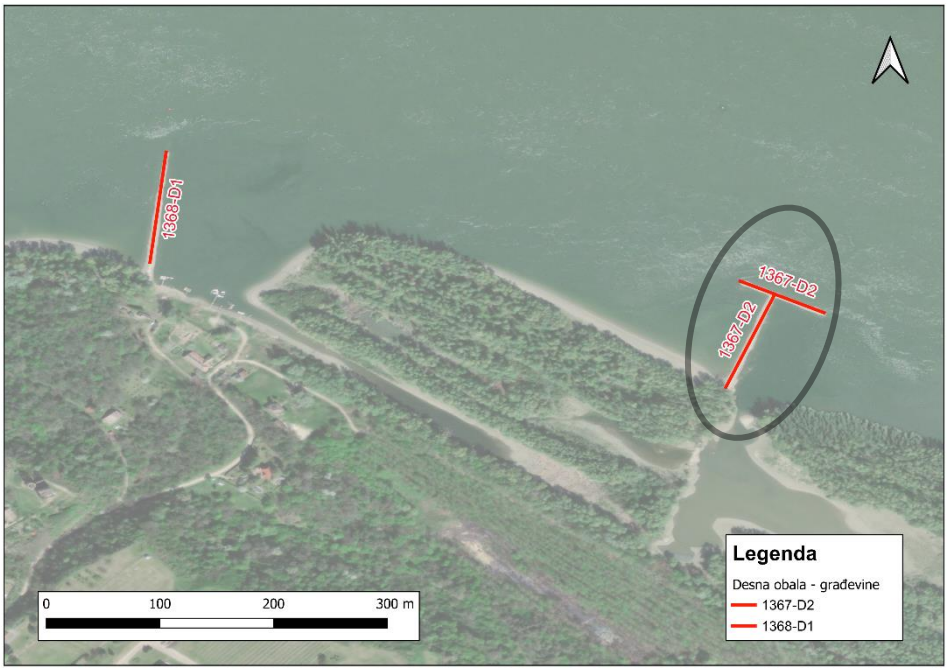
- Infrastructure is in excellent condition.
- Effect of material deposition ongoing (upstream, downstream).
- Groyne and the beginning of material deposition upstream and downstream of the groyne are visible.

65. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1367-D2	**T-groyne**	**1367+663**	**83,84**	**78,68**

Existing documentation

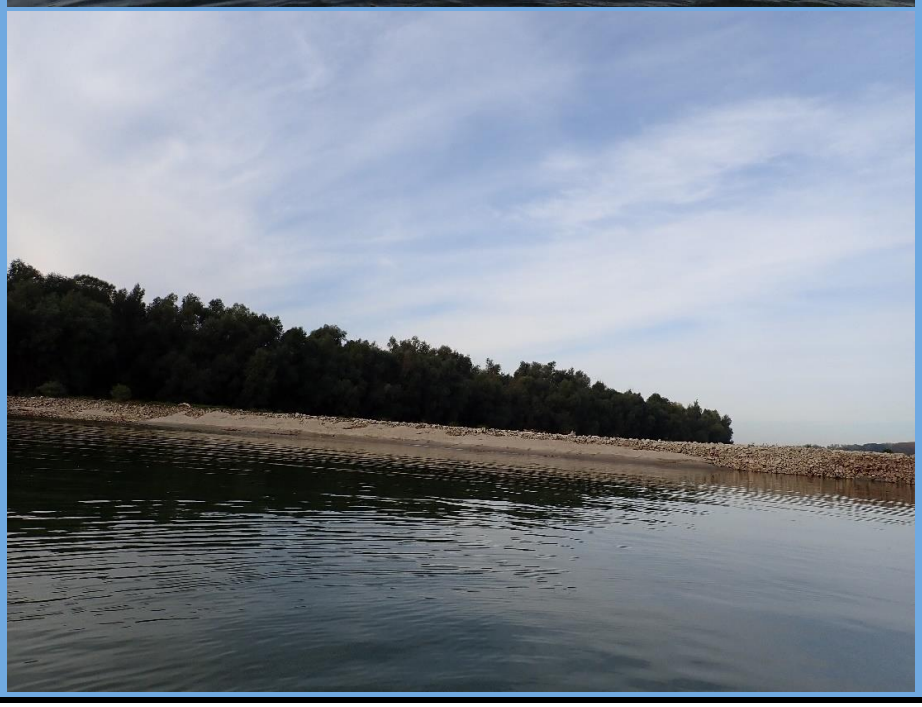
- CADASTRE MARK **1367/2**
- CADASTRE PAGE **2/4**

Location of the infrastructure



Picture of the infrastructure

65. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1367-D2	**T-groyne**	**1367+663**	**83,84**	**78,68**



Analysis

- Infrastructure is in good condition.
- Effect of material deposition ongoing (upstream, downstream).
- Groyne head and groyne connection are visible. Material deposition upstream and downstream of the groyne is visible. Upstream on the groyne connection, stone washout under the groyne crown connection is visible.

66. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1367-D1	**T-groyne**	**1367+218**	**90,26**	**78,40**

Existing documentation

- CADASTRE MARK **1367/1**
- CADASTRE PAGE **2/4**

Location of the infrastructure

Picture of the infrastructure

66. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1367-D1	**T-groyne**	**1367+218**	**90,26**	**78,40**

Analysis

- Infrastructure is in satisfying condition.
- Effect of material deposition ongoing (upstream, downstream).
- Collapsed part of the groyne head and material deposit upstream and downstream of the groyne are visible. Downstream and upstream on the groyne connection, stone washout under the groyne crown connection is visible.

67. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1366-D1	**Groyne**	**1366+496**	**72,26**	**77,05**

Existing documentation

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- CADASTRE PAGE
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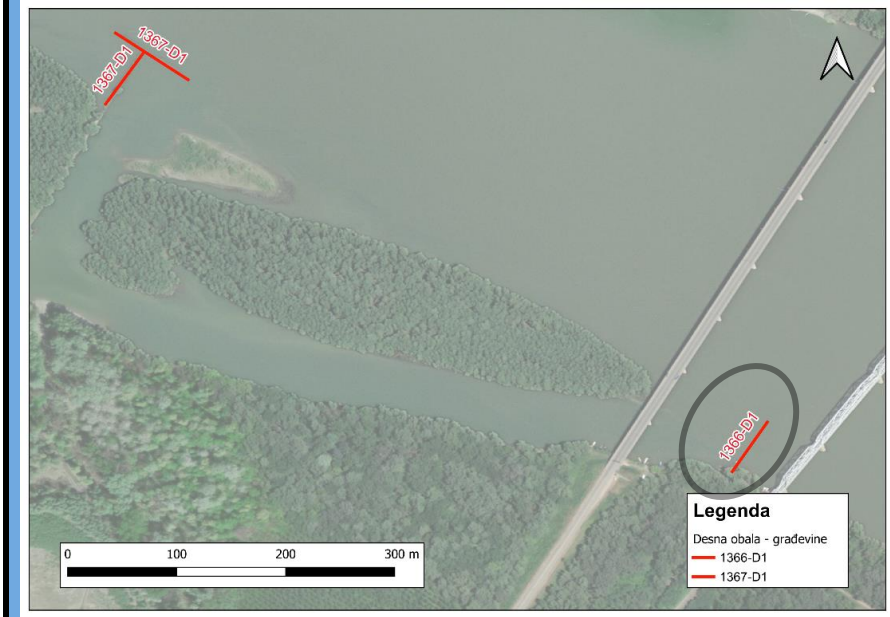
Location of the infrastructure



Picture of the infrastructure

Analysis

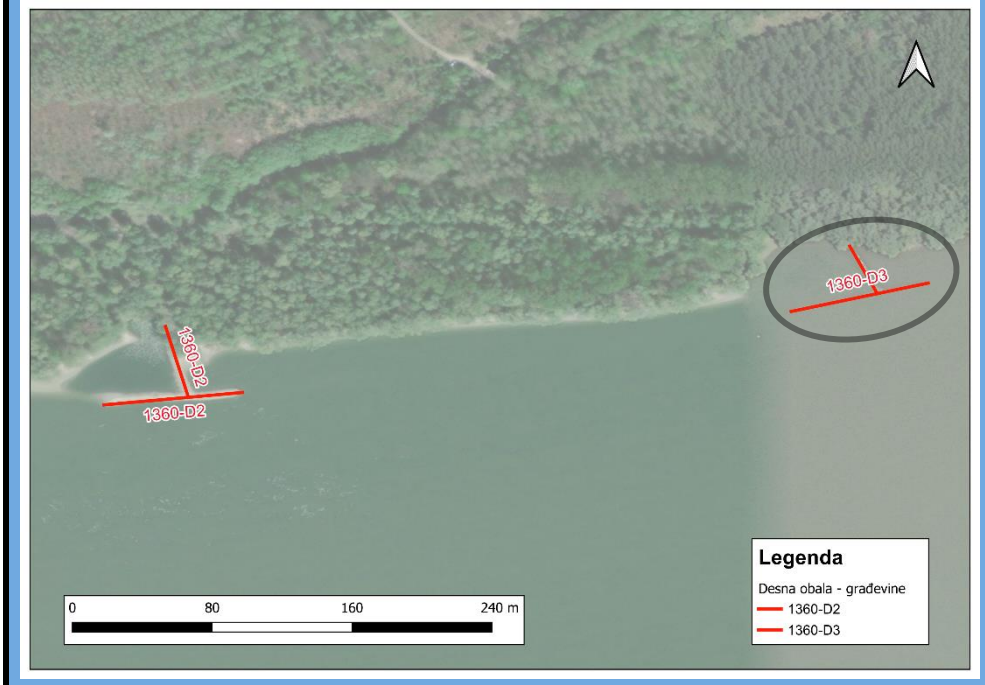
- Infrastructure is in bad condition.
- Effect of material deposition failed.
- Stone material of groyne connection is visible. Sand deposit upstream of the groyne. Between the road and railway bridge near the settlement of Erdut.

68. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1360-D3	**T-groyne**	**1360+958**	**81,71**	**78,59**

Existing documentation

- CADASTRE MARK **1361/1**
- CADASTRE PAGE **2/5**

Location of the infrastructure



Picture of the infrastructure

68. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1360-D3	**T-groyne**	**1360+958**	**81,71**	**78,59**

Analysis

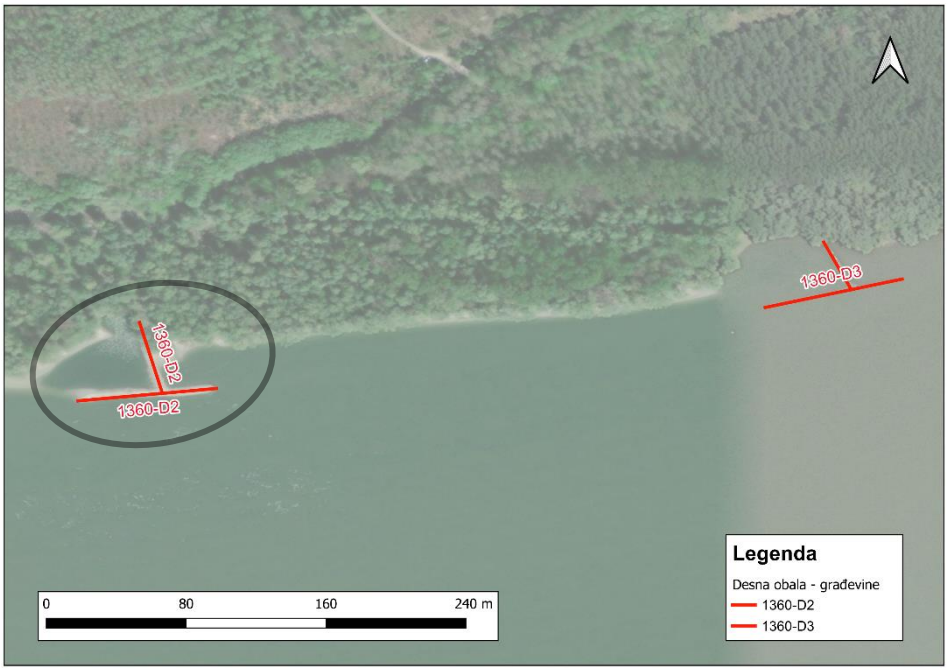
- Infrastructure is in excellent condition.
- Effect of material deposition ongoing (upstream, downstream).
- Groyne head and groyne connection are visible. The beginning of material deposition on the river bank downstream of the groyne, upstream still in the function of material deposition.

69. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1360-D2	**T-groyne**	**1360+539**	**79,89**	**78,53**

Existing documentation

- CADASTRE MARK **1360/2**
- CADASTRE PAGE **2/5**

Location of the infrastructure



Picture of the infrastructure

69. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1360-D2	**T-groyne**	**1360+539**	**79,89**	**78,53**

Analysis

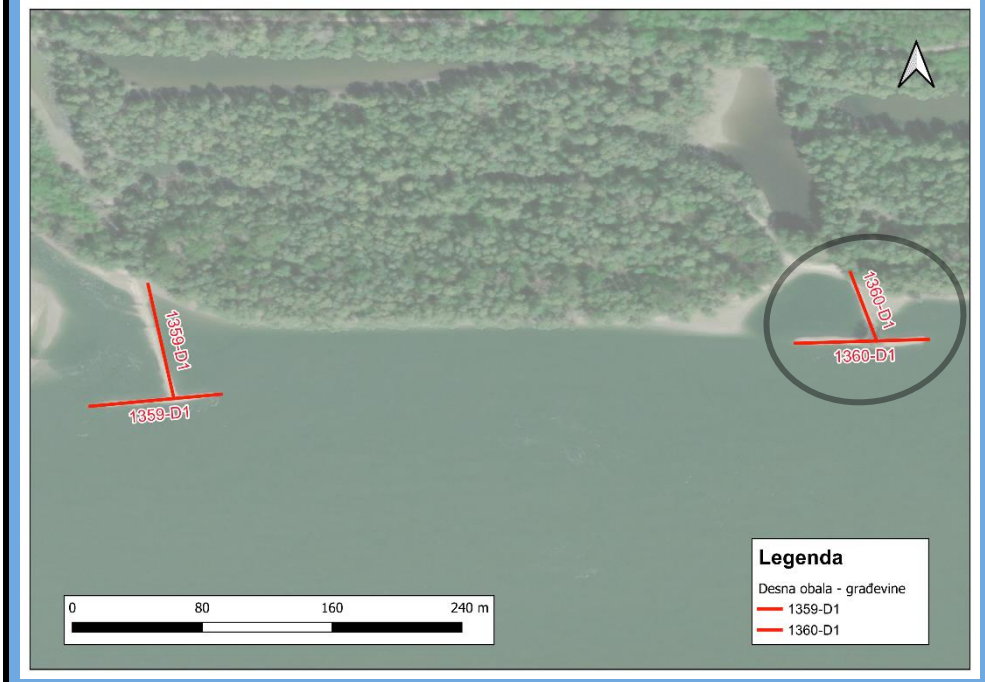
- Infrastructure is in excellent condition.
- Effect of material deposition ongoing (upstream, downstream).
- Groyne head and groyne connection are visible. The beginning of material deposition on the river bank upstream of the groyne, downstream deposed with sand.

70. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1360-D1	**T-groyne**	**1360+130**	**81,88**	**79,18**

Existing documentation

- CADASTRE MARK **1360/1**
- CADASTRE PAGE **2/5**

Location of the infrastructure



Picture of the infrastructure

70. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1360-D1	**T-groyne**	**1360+130**	**81,88**	**79,18**

Analysis

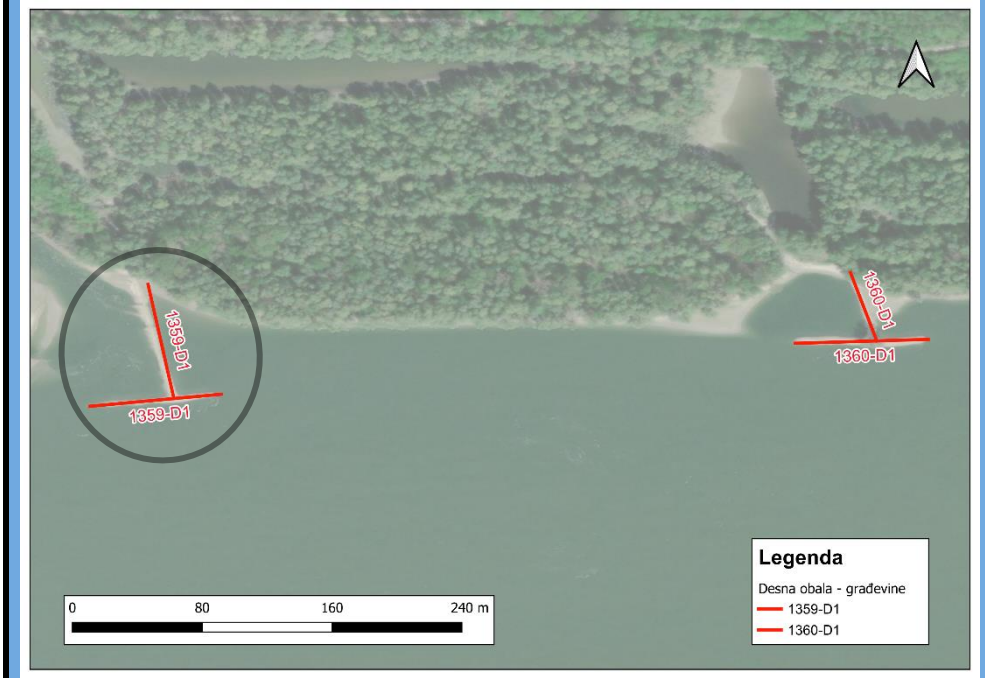
- Infrastructure is in good condition.
- Effect of material deposition ongoing (upstream, downstream).
- Material deposit upstream and downstream of the groyne is visible. Downstream on the groyne connection, stone washout under the groyne crown connection is visible. Tree at the junction of the groyne head and groyne connection is visible.

71. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1359-D1	**T-groyne**	**1359+714**	**81,62**	**78,56**

Existing documentation

- CADASTRE MARK **1359/2**
- CADASTRE PAGE **2/5**

Location of the infrastructure



Picture of the infrastructure

71. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1359-D1	**T-groyne**	**1359+714**	**81,62**	**78,56**

Analysis

- Infrastructure is in good condition.
- Effect of material deposition ongoing (upstream, downstream).
- Material deposit upstream and downstream of the groyne is visible. Downstream on the groyne connection, stone washout under the groyne crown connection is visible.

72. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Toe elevation (m.a.s.l.)*
1351-D1	**Revetment**	**1355+788 do 1351+922**	**3329,39**	**76,55**

Existing documentation

- CADASTRE MARK
  1353/1
- CADASTRE PAGE
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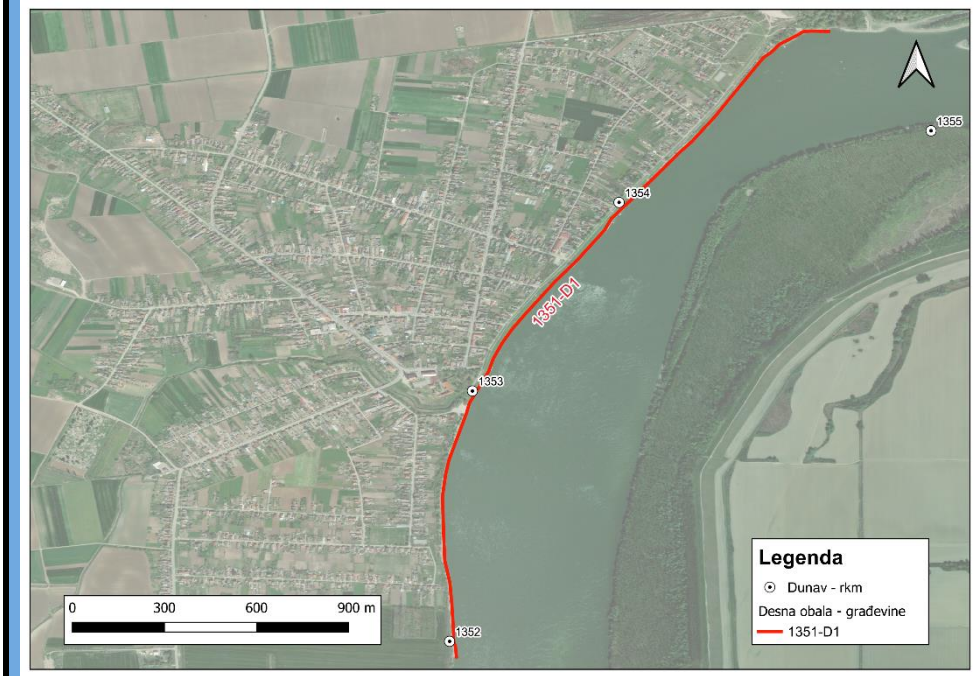
  2/7

Location of the infrastructure



Picture of the infrastructure

72. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Toe elevation (m.a.s.l.)*
1351-D1	**Revetment**	**1355+788 do 1351+922**	**3329,39**	**76,55**

72. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Toe elevation (m.a.s.l.)*
1351-D1	**Revetment**	**1355+788 do 1351+922**	**3329,39**	**76,55**

Analysis

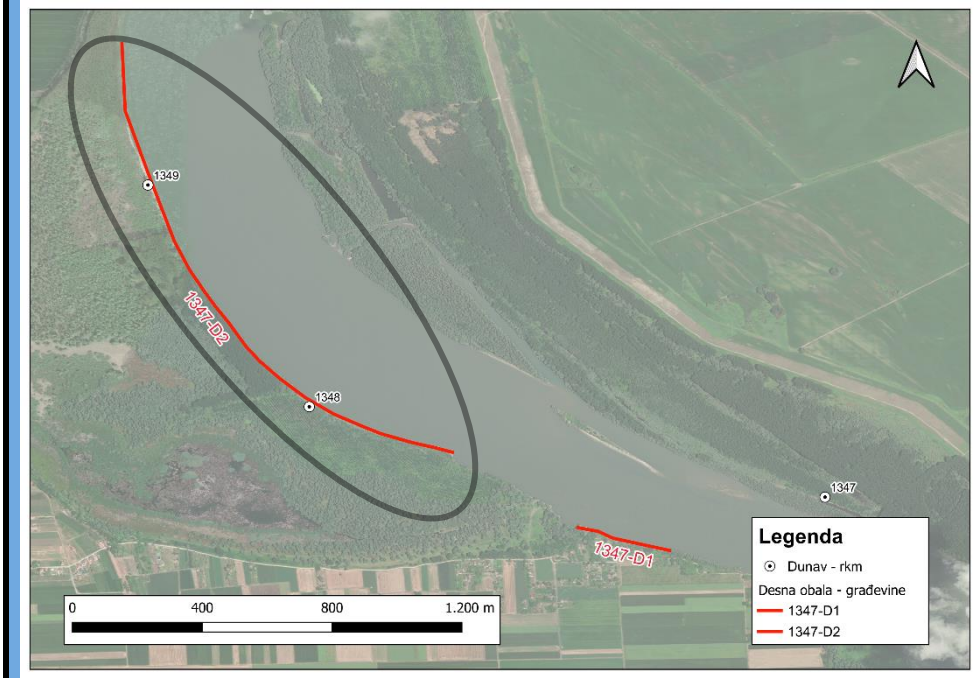
- Infrastructure is in satisfying condition.
- River bank erosion protection ongoing at high water levels in settlement Dalj. Upstream from the settlement river bank erosion protection ongoing at low water levels.
- Revetment near the settlement of Dalj has steep bevel and irregular geometry, it is overgrown with vegetation and is city-type revetment. Downstream of the Dalj canal there is a stone revetment. Stone material is visible at low water levels and vegetation above it is visible. Last 500 m river bank erosion behind revetment present.

73. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1347-D2	**Revetment**	**1349+617 do 1347+712**	**2202,23**	**76,56**

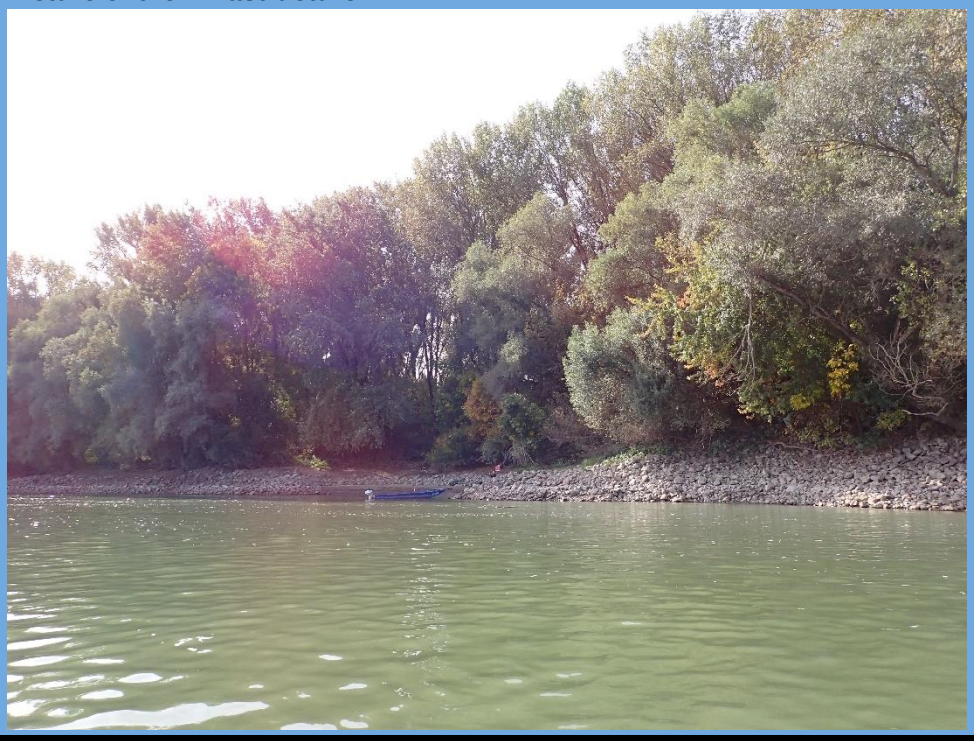
Existing documentation

- CADASTRE MARK **1348/1**
- CADASTRE PAGE **2/8**

Location of the infrastructure



Picture of the infrastructure



73. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1347-D2	**Revetment**	**1349+617 do 1347+712**	**2202,23**	**76,56**

Analysis

- Infrastructure is in satisfying condition.
- River bank erosion protection ongoing at low water levels.
- Start of revetment is 800 meters upstream from the rkm 1349. Stone material of revetment is visible. Above is a stone river bank overgrown with plants and trees.

74. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1347-D1	**Revetment**	**1347+405 do 1347+214**	**301,37**	**76,25**

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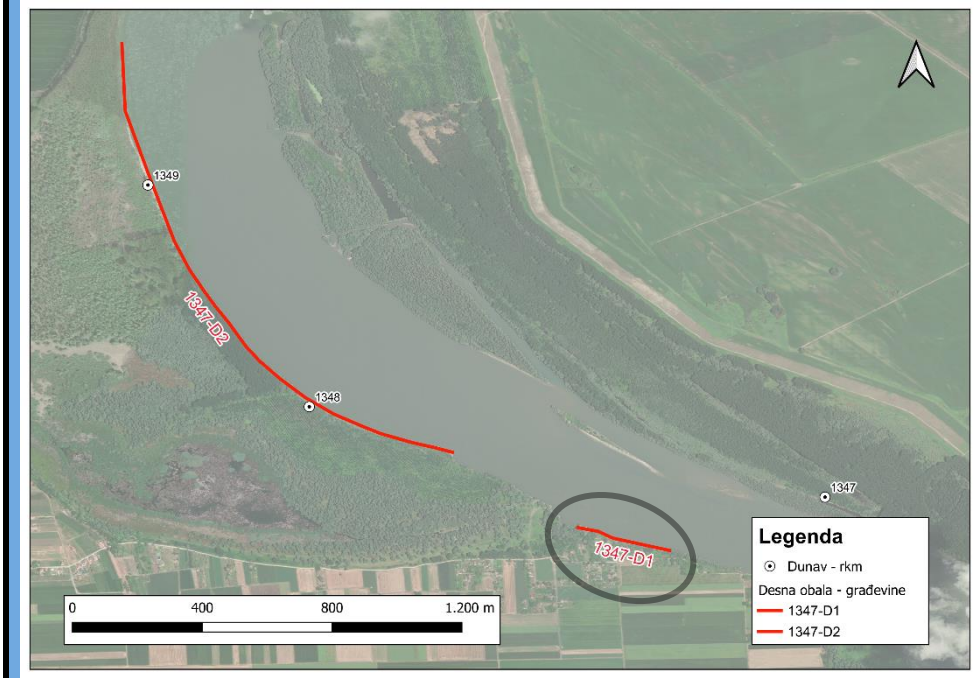
Location of the infrastructure



Picture of the infrastructure

74. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1347-D1	**Revetment**	**1347+405 do 1347+214**	**301,37**	**76,25**

Analysis

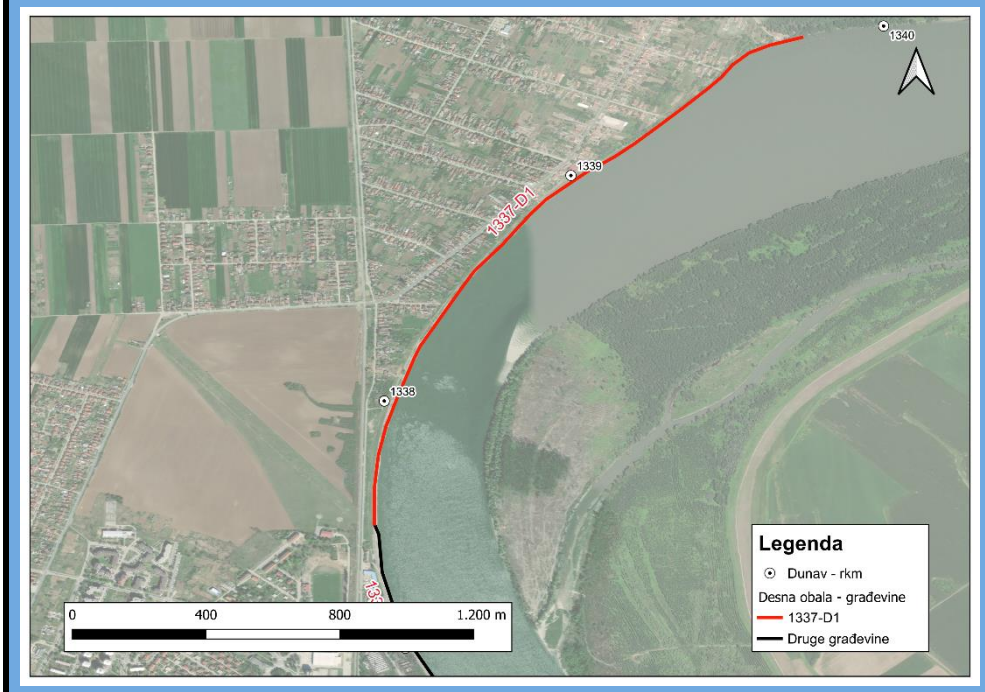
- Infrastructure is in good condition.
- River bank erosion protection ongoing at low water levels.
- Stone material of revetment is visible. It protects the bevel of the river bank at low water levels.

75. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1337-D1	**Revetment**	**1340+795 do 1337+499**	**2545,59**	**76,05 78,97**

Existing documentation

- CADASTRE MARK **1338/1**
- CADASTRE PAGE **2/10**

Location of the infrastructure



Picture of the infrastructure

75. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1337-D1	**Revetment**	**1340+795 do 1337+499**	**2545,59**	**76,05 78,97**

Analysis

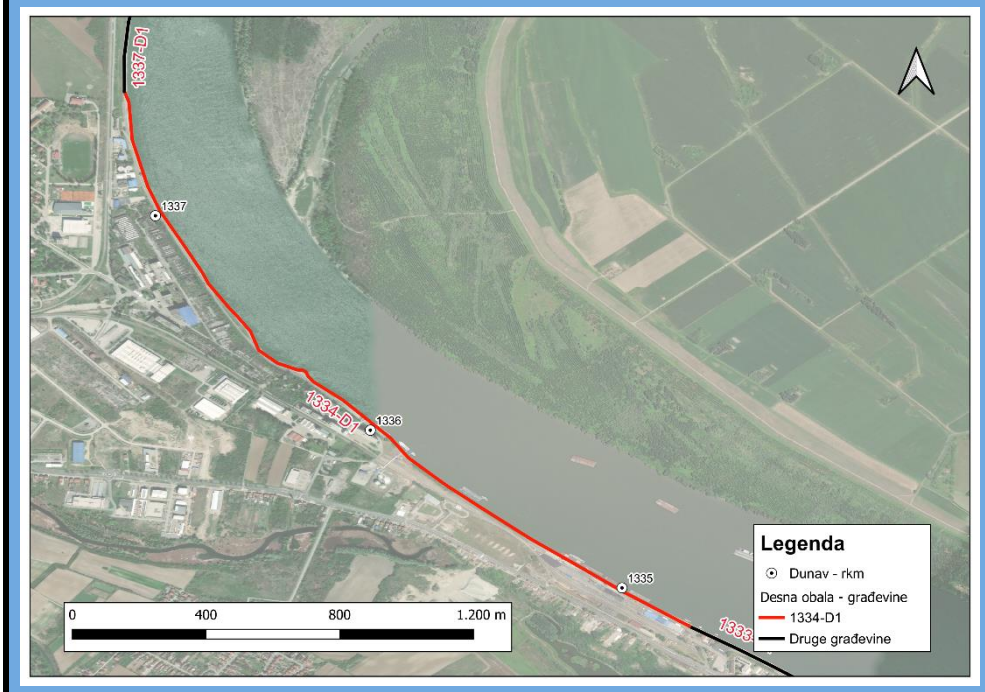
- Infrastructure is in good condition.
- River bank protection from erosion ongoing at low and high water levels.
- Stone revetment. It protects the river bank at low water levels. Downstream of the rkm 1338, city-type revetment protects the river bank from high water levels.

76. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1334-D1	**Revetment**	**1337+499 do 1334+739**	**2937,32**	**84,60**

Existing documentation

- CADASTRE MARK **1336/1**
- CADASTRE PAGE **2/10**

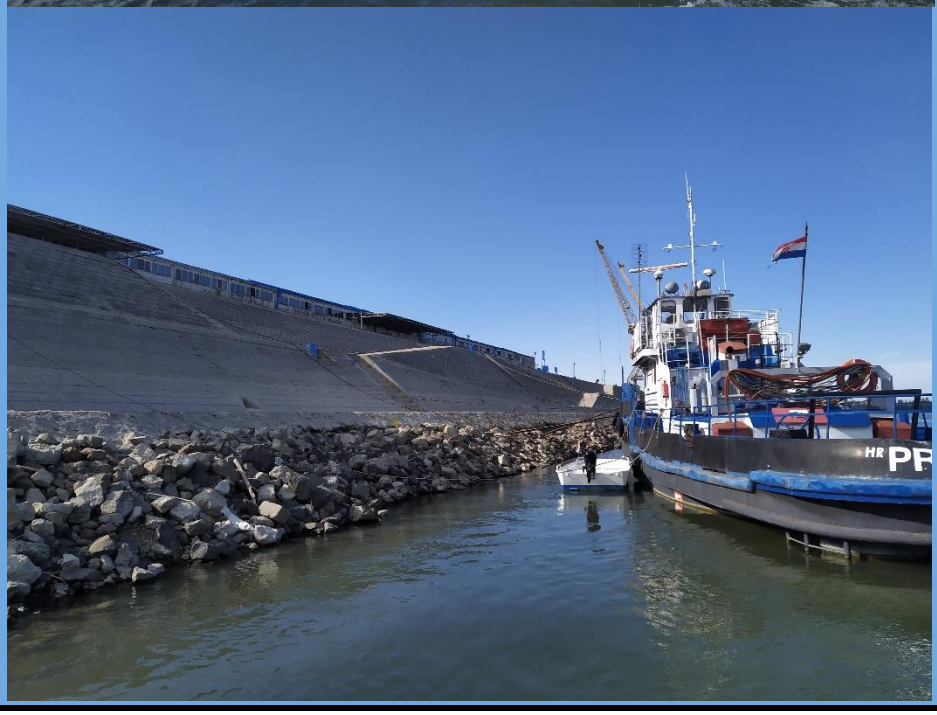
Location of the infrastructure



Picture of the infrastructure

76. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1334-D1	**Revetment**	**1337+499 do 1334+739**	**2937,32**	**84,60**

76. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1334-D1	**Revetment**	**1337+499 do 1334+739**	**2937,32**	**84,60**



Analysis

- Infrastructure is in good condition.
- River bank erosion protection ongoing at high water levels.
- City-type revetment of Borovo settlement. Concrete staircase on bevels. The vertical river bank on the columns of the operational plateau of the transshipment port of Vupik. The revetment of the port of Vukovar.

77. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1333-D1	**Revetment**	**1334+739 do 1333+113**	**998,31**	**83,40**

Existing documentation

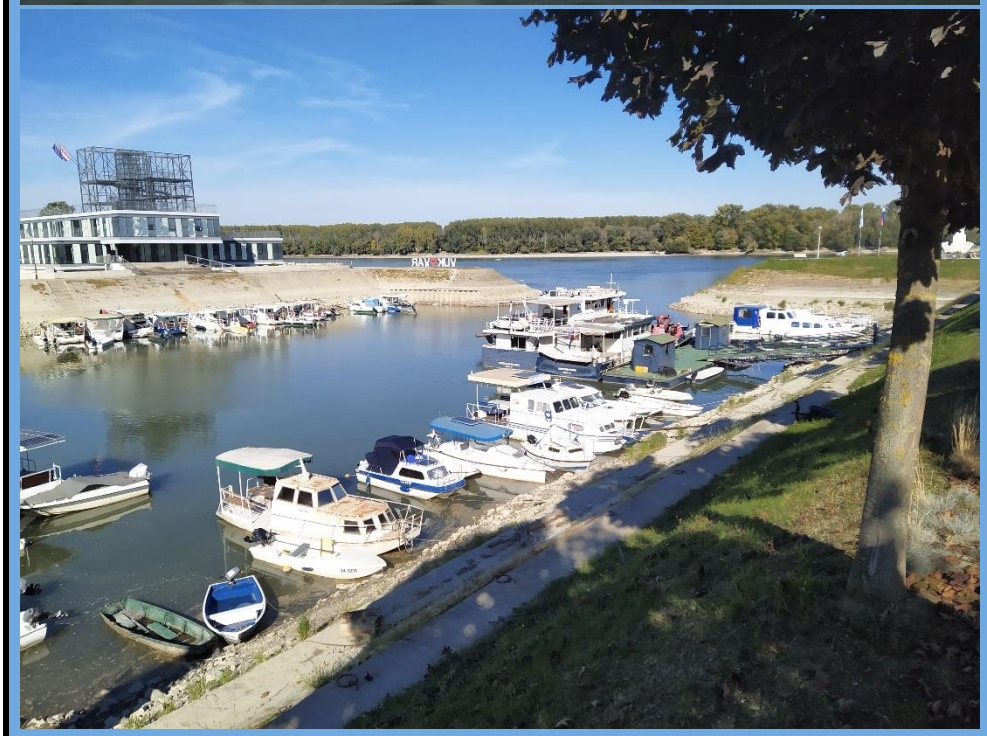
- CADASTRE MARK **1333/1**
- CADASTRE PAGE **2/11**

Location of the infrastructure

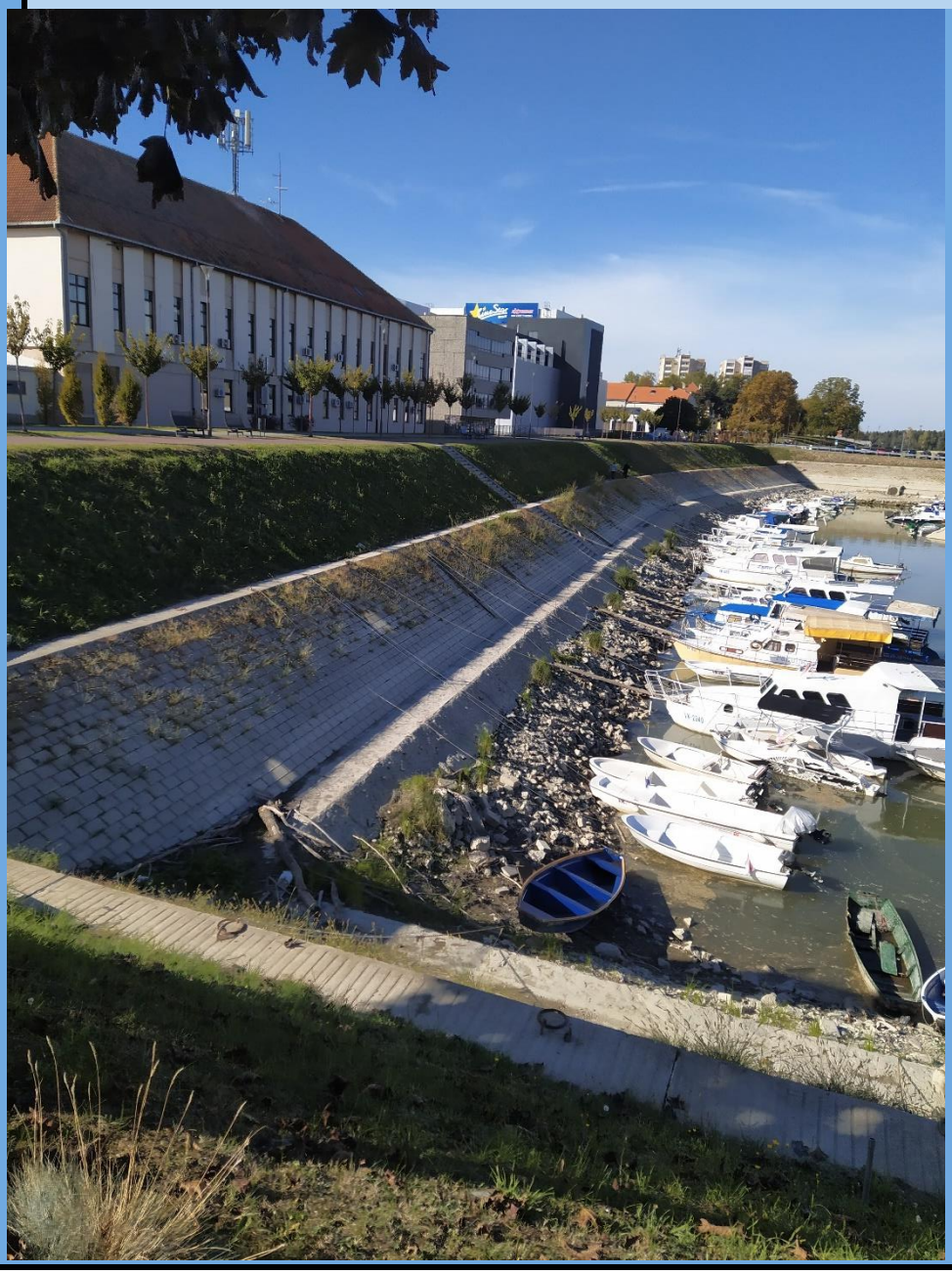
Picture of the infrastructure

77. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1333-D1	**Revetment**	**1334+739 do 1333+113**	**998,31**	**83,40**

77. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1333-D1	**Revetment**	**1334+739 do 1333+113**	**998,31**	**83,40**



77. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1333-D1	**Revetment**	**1334+739 do 1333+113**	**998,31**	**83,40**



Analysis

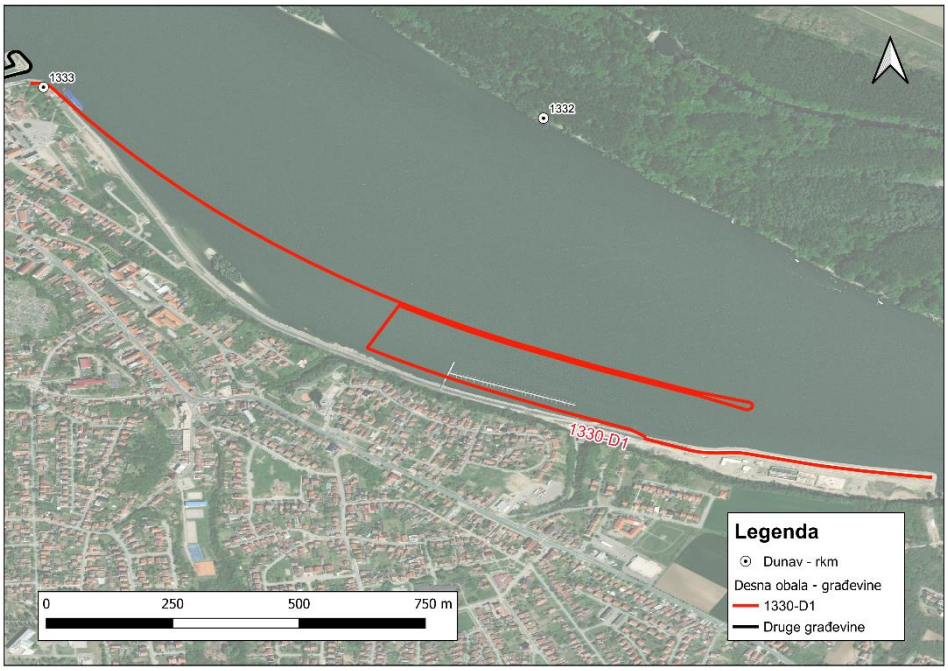
- Infrastructure is in excellent condition.
- River bank erosion protection ongoing at high water levels.
- City-type revetment. It extends from the revetment 1334-D1 to the confluence of Vuka river and includes the revetment "Otok Športova".

78. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1330-D1	**Revetment**	**1333+025 do 1330+932**	**3817,44**	**84,10**

Existing documentation

- CADASTRE MARK **1331/1**
- CADASTRE PAGE **2/11**

Location of the infrastructure



Picture of the infrastructure

78. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1330-D1	**Revetment**	**1333+025 do 1330+932**	**3817,44**	**84,10**

Analysis

- Infrastructure is in excellent condition.
- River bank erosion protection ongoing at high water levels. The revetment of passenger wharf of Vukovar. It is under construction in the area of the city of Vukovar, from rkm 1333 (confluence of Vuka river) to rkm 1331 (waste water treatment device).

79. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1328-D1	**Revetment**	**1328+550 do 1328+415**	**180,05**	**79,90**

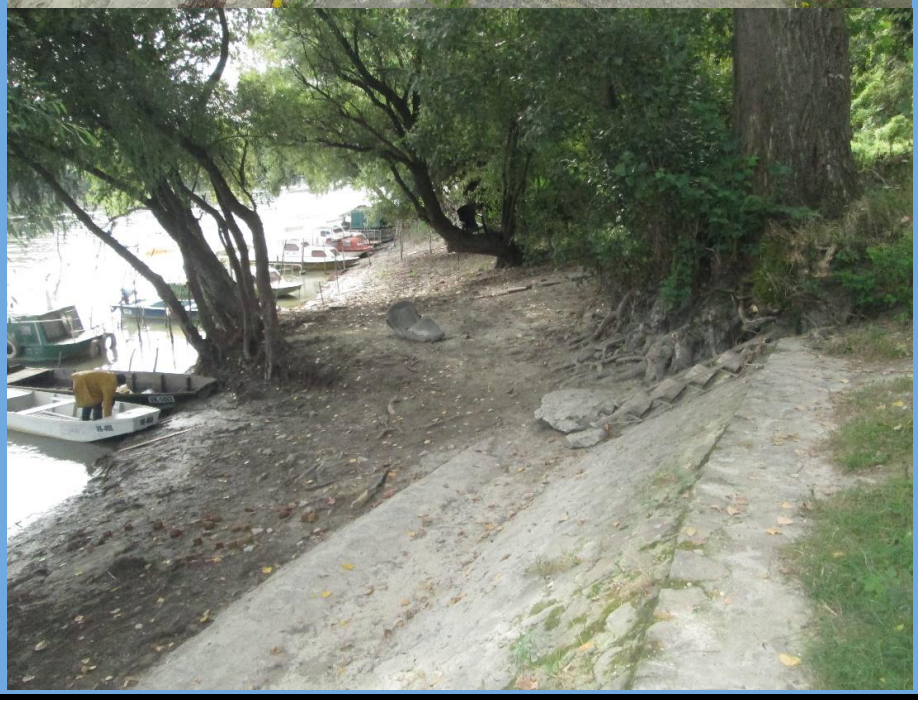
Existing documentation

- CADASTRE MARK **1327/1**
- CADASTRE PAGE **2/12**

Location of the infrastructure

Picture of the infrastructure

79. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1328-D1	**Revetment**	**1328+550 do 1328+415**	**180,05**	**79,90**



Analysis

- Infrastructure is in good condition.
- River bank erosion protection ongoing at medium water levels.
- City-type revetment to crown elevation of 80.15 m.a.s.l. The revetment of passenger wharf of Vučedol.

80. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1322-D2	**Parallel structure**	**1323+927 do 1322+971**	**1061,26**	**76,08**

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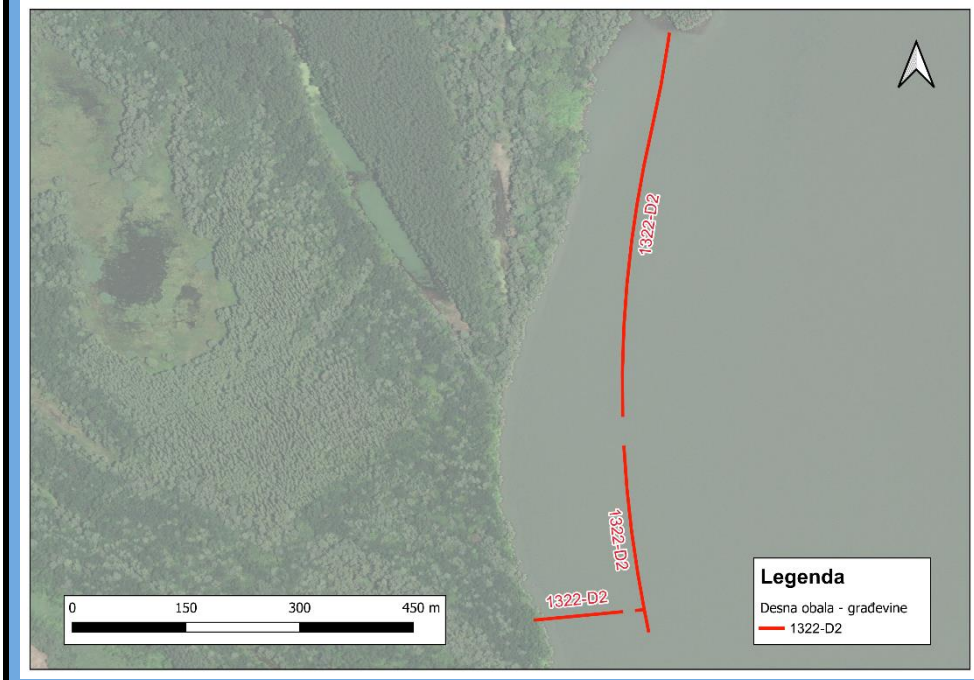
Location of the infrastructure



Picture of the infrastructure

80. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1322-D2	**Parallel structure**	**1323+927 do 1322+971**	**1061,26**	**76,08**

Analysis

- Infrastructure is in excellent condition.
- Effect of material deposition ongoing (upstream, downstream).
- Newly built. Stone material of parallel structure and groyne are visible.

81. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1322-D1	**T-groyne**	**1322+450**	**90,04**	**77,01**

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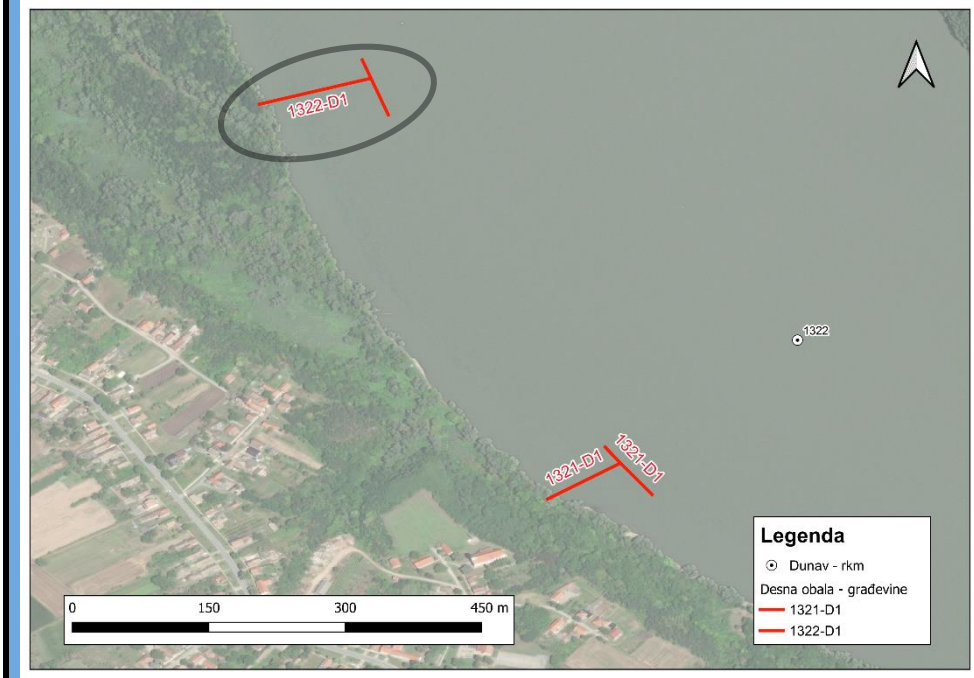
Location of the infrastructure



Picture of the infrastructure

81. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1322-D1	**T-groyne**	**1322+450**	**90,04**	**77,01**

Analysis

- Infrastructure is in excellent condition..
- Effect of material deposition ongoing (upstream, downstream).
- Newly built. Stone material of groyne connection and groyne head is visible.

82. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1321-D1	**T-groyne**	**1321+960**	**89,98**	**76,99**

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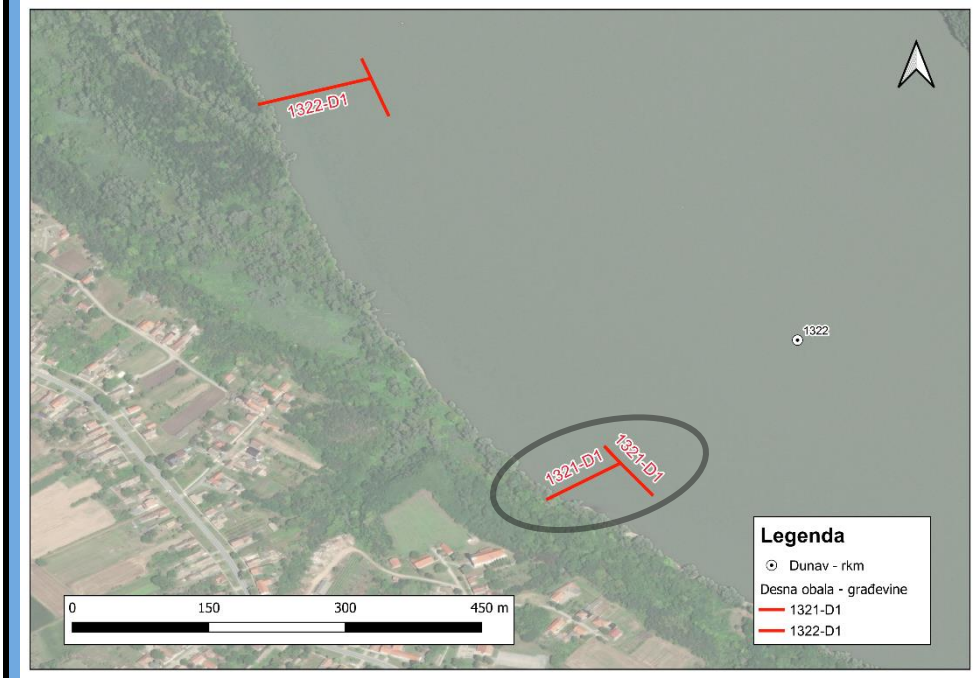
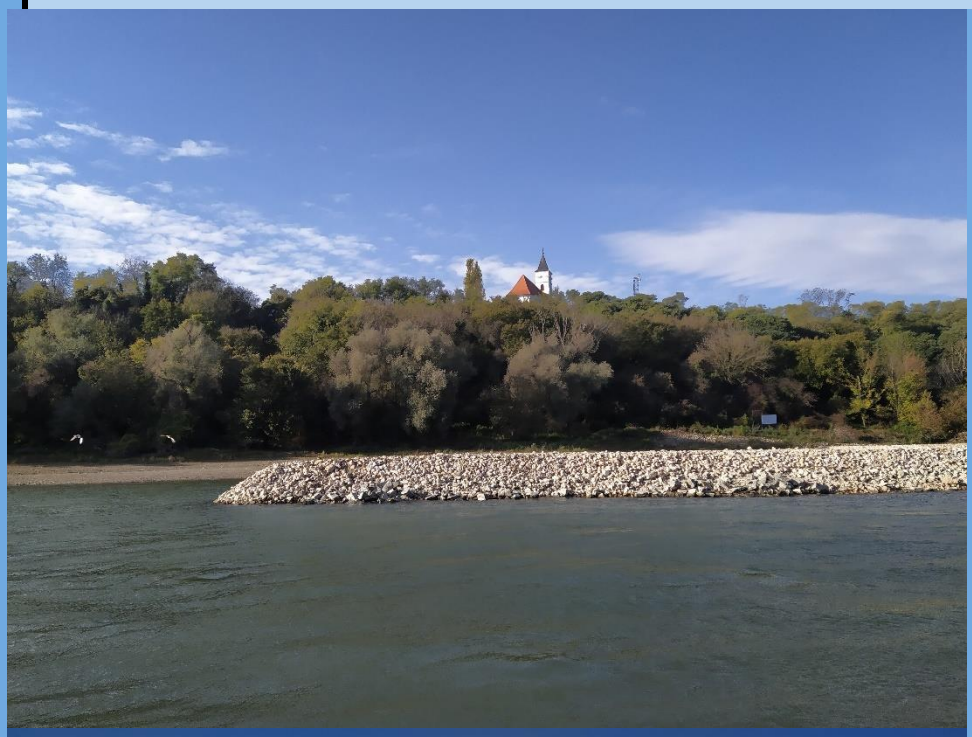
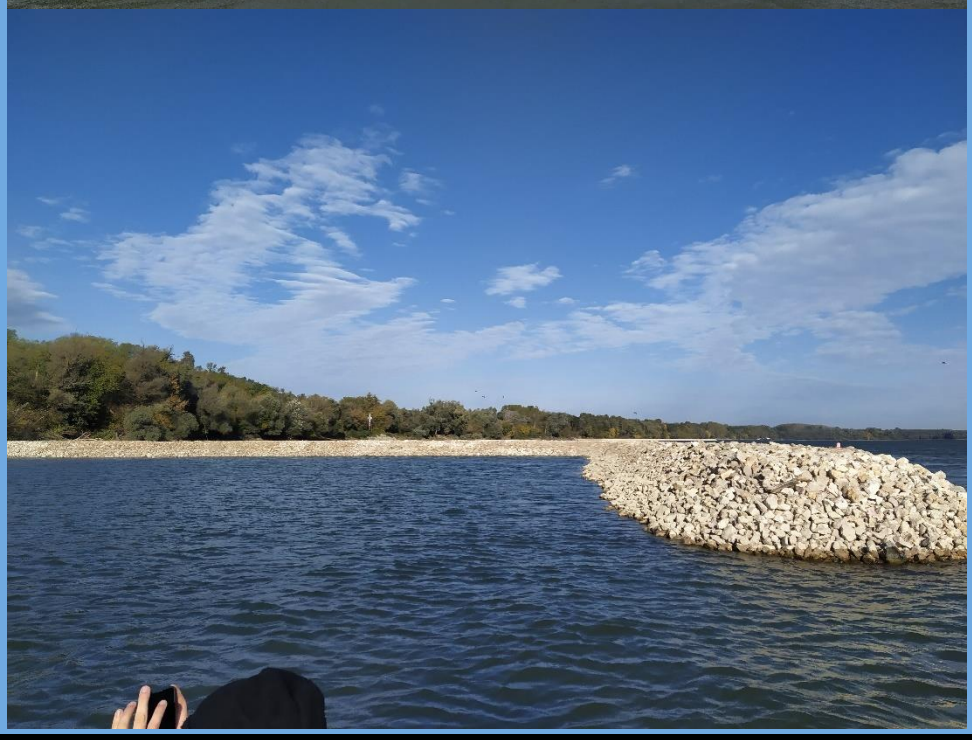
Location of the infrastructure



Picture of the infrastructure

82. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1321-D1	**T-groyne**	**1321+960**	**89,98**	**76,99**





Analysis

- Infrastructure is in excellent condition..
- Effect of material deposition ongoing (upstream, downstream).
- Newly built. Stone material of groyne connection and groyne head is visible.

83. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1318-D1	**Revetment**	**1318+669 do 1318+577**	**118,34**	**75,35**

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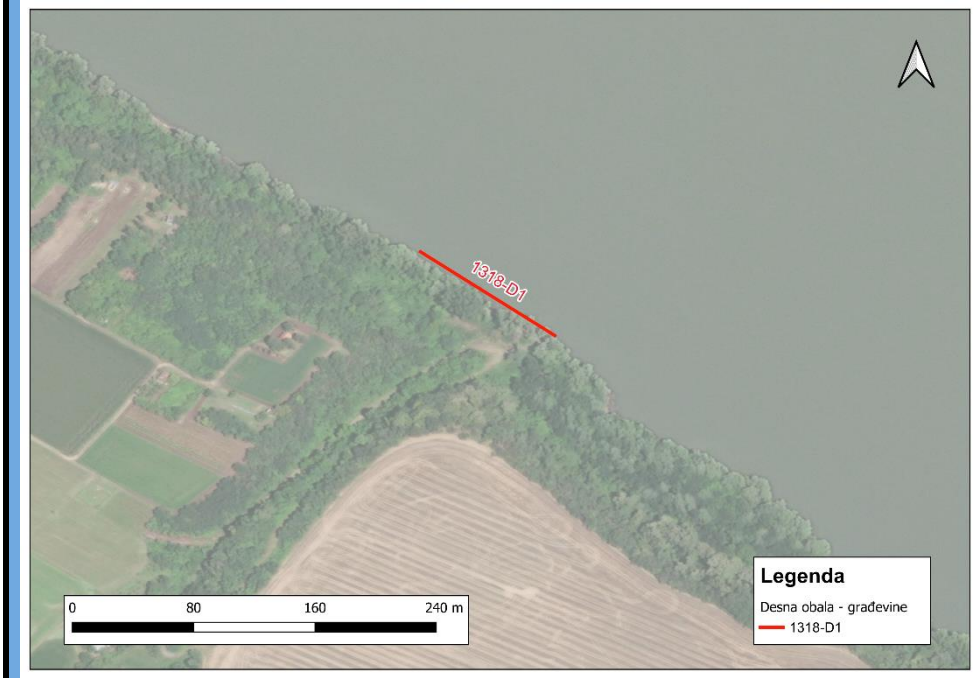
Location of the infrastructure



Picture of the infrastructure

83. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1318-D1	**Revetment**	**1318+669 do 1318+577**	**118,34**	**75,35**

Analysis

- Infrastructure is in bad condition..
- River bank erosion protection failed.
- Stone material of the revetment is visible at low water levels.

84. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1315-D1	**Barrier**	**1315+740**	**188,56**	**77,50**

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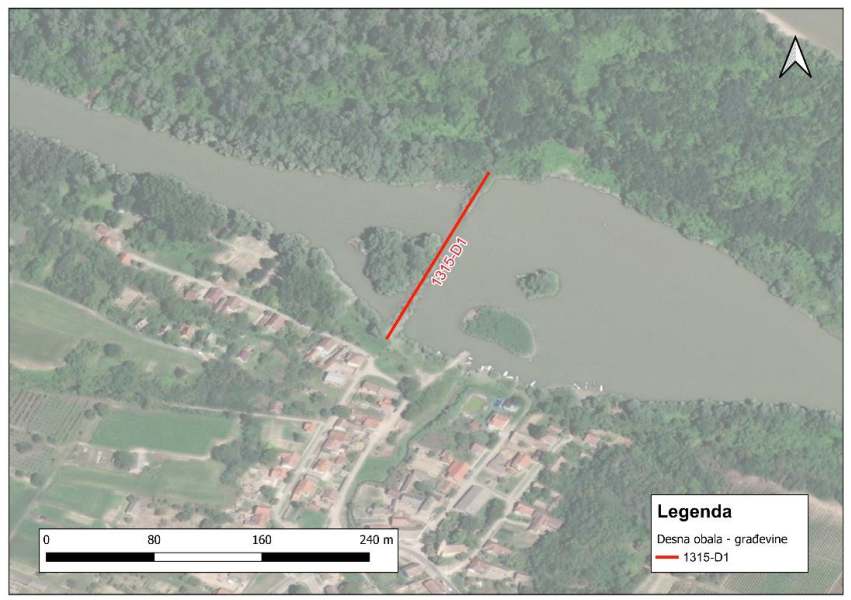
Location of the infrastructure



Picture of the infrastructure

Analysis

- Infrastructure is in good condition..
- Barrier on backwater flow finished at low water level.
- Barrier is not visible from the river side.

85. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1309-D1	**Revetment**	**1313+676 do 1309+502**	**3993,84**	**74,95**

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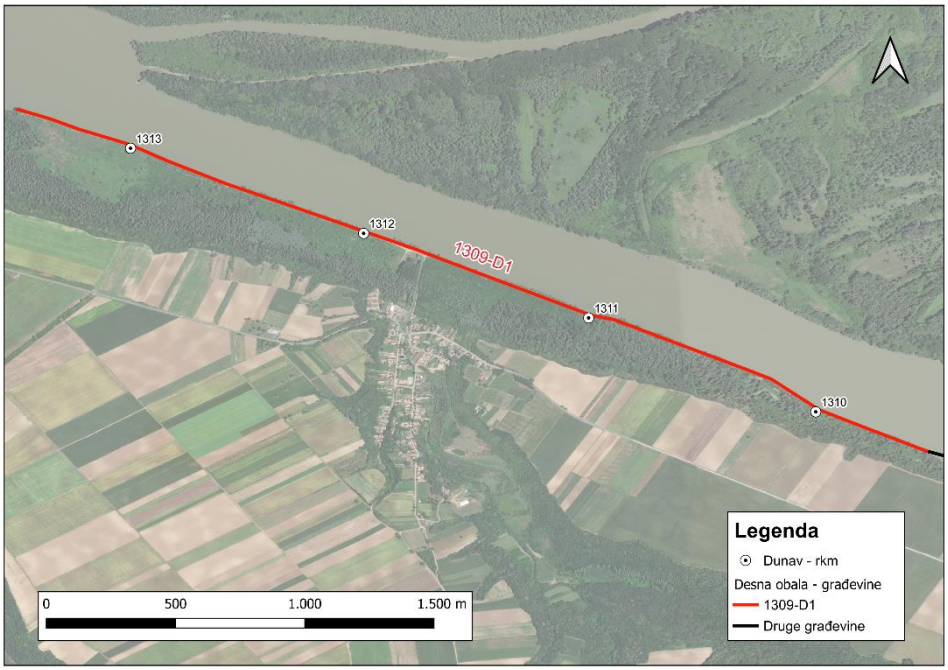
Location of the infrastructure



Picture of the infrastructure

85. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1309-D1	**Revetment**	**1313+676 do 1309+502**	**3993,84**	**74,95**

Analysis

- Infrastructure is in satisfying condition..
- River bank erosion protection ongoing at low water levels.
- Stone material of the revetment is visible at low water levels. Collapsed vegetation on the bevel.

86. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1307-D1	**Parallel structure**	**1309+502 do 1307+954**	**1646,34**	**76,34**

Existing documentation

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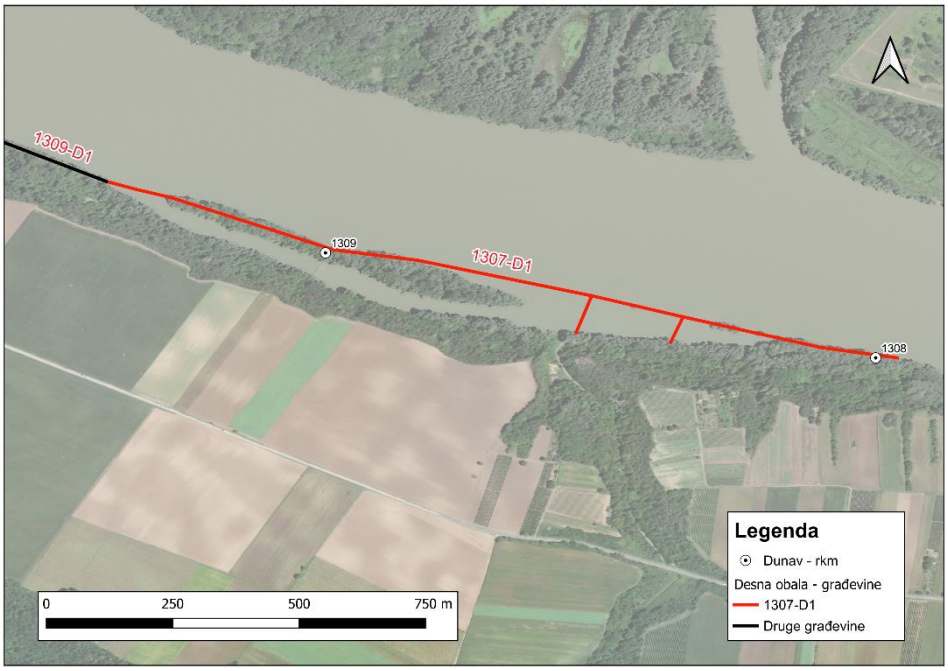
Location of the infrastructure



Picture of the infrastructure

86. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1307-D1	**Parallel structure**	**1309+502 do 1307+954**	**1646,34**	**76,34**

Analysis

- Infrastructure is in good condition..
- Effect of material deposition ongoing (upstream, downstream).
- Parallel structure continues on a revetment 1309-D1. Stone material of the parallel and two groynes vertical to it are visible. Material deposition on the river bank is spotted in the back of the parallel structure.

87. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Toe elevation (m.a.s.l.)*
1305-D1	**Revetment**	**1305+896 do 1305+386**	**461,21**	**76,74**

Existing documentation

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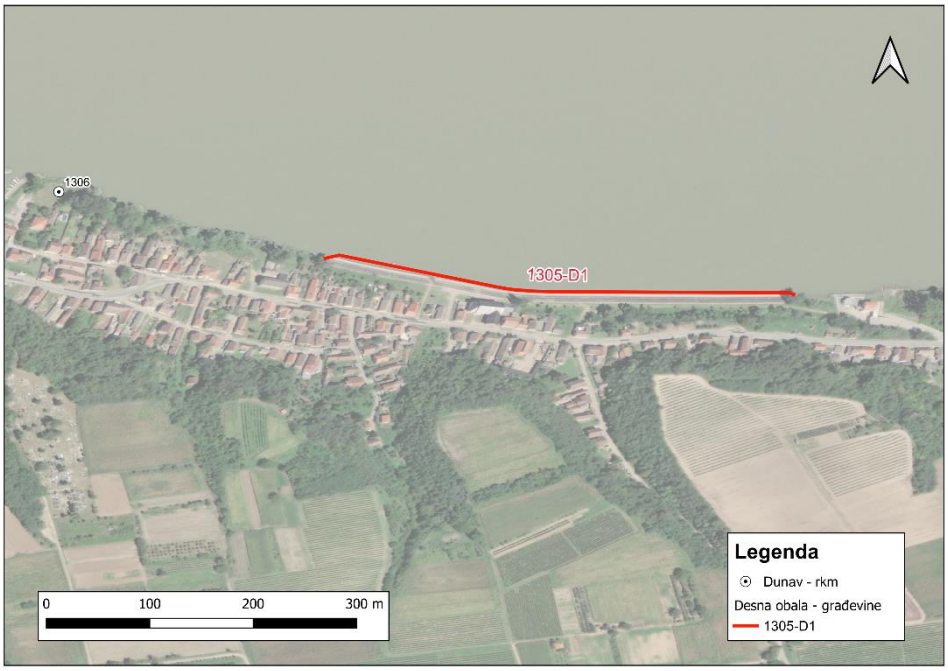
Location of the infrastructure



Picture of the infrastructure

87. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Toe elevation (m.a.s.l.)*
1305-D1	**Revetment**	**1305+896 do 1305+386**	**461,21**	**76,74**

Analysis

- Infrastructure is in excellent condition..
- River bank erosion protection ongoing at high water levels.
- City-type revetment of Šarengrad settlement.

88. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1299-D1	**Parallel structure**	**1300+668 do 1299+105**	**1790,95**	**73,77**

Existing documentation

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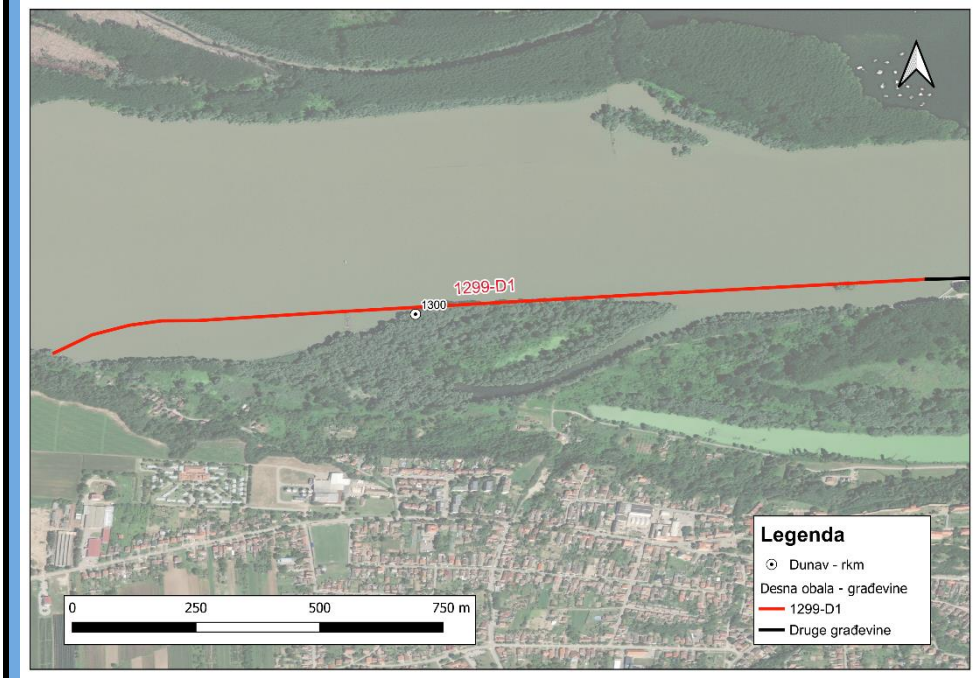
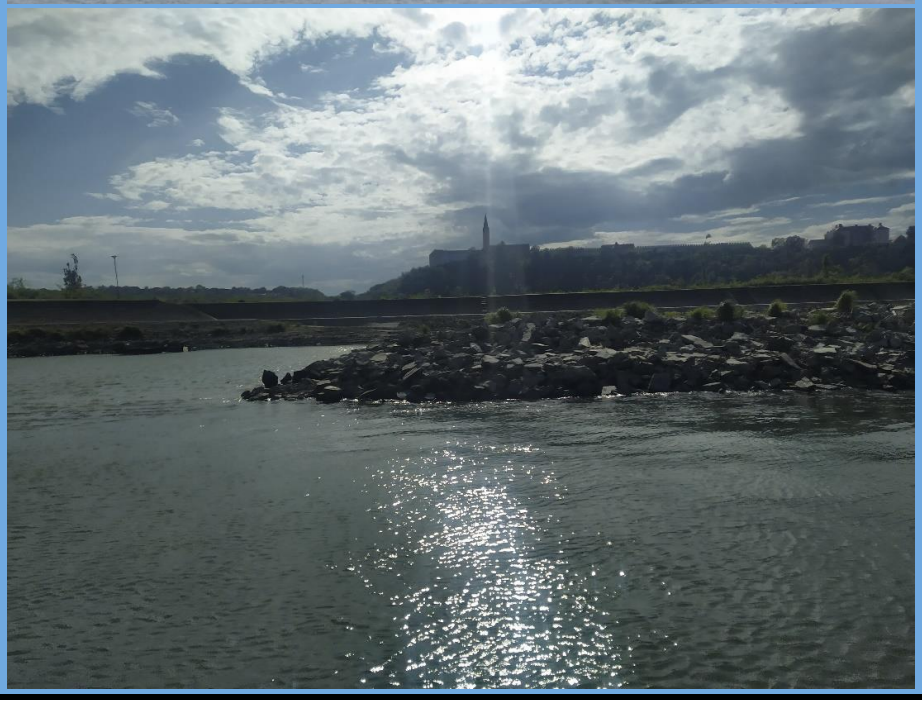
Location of the infrastructure



Picture of the infrastructure

88. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1299-D1	**Parallel structure**	**1300+668 do 1299+105**	**1790,95**	**73,77**



Analysis

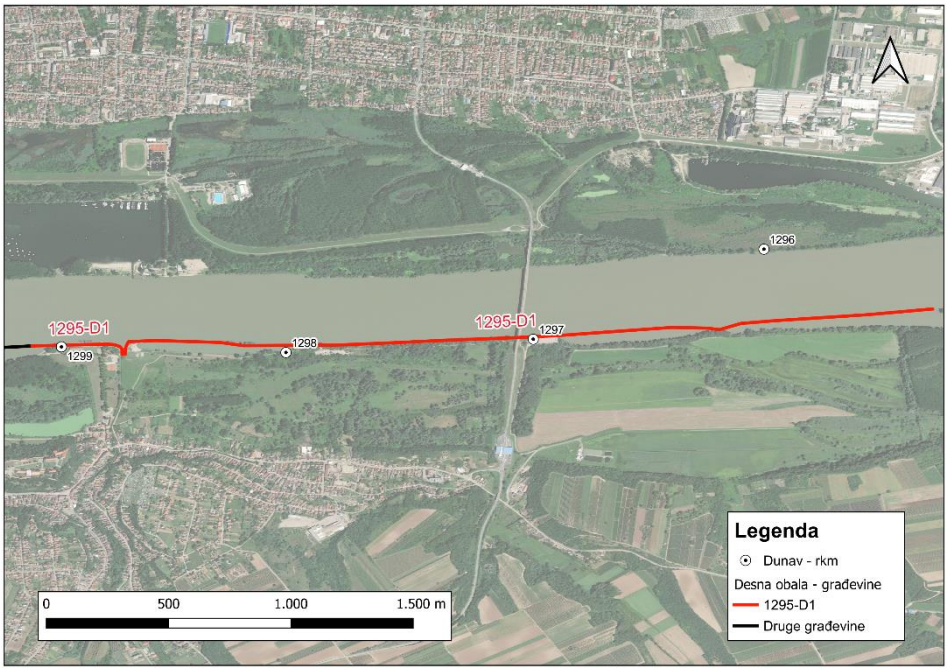
- Infrastructure is in satisfying condition..
- Effect of material deposition ongoing (downstream).
- Stone material of parallel structure is visible. Material deposition on the river bank is spotted in the back of the parallel structure. Parts of the stone material are collapsed and have irregular geometry.

89. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown and toe elevation (m.a.s.l.)*
1295-D1	**Revetment**	**1299+105 do 1295+350**	**3789,17**	**80,07 crown 73,93 toe**

Existing documentation

- CADASTRE MARK **1296/1**
- CADASTRE PAGE **2/18**

Location of the infrastructure



Picture of the infrastructure

89. Right bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown and toe elevation (m.a.s.l.)*
1295-D1	**Revetment**	**1299+105 do 1295+350**	**3789,17**	**80,07 crown 73,93 toe**

Analysis

- Infrastructure is in excellent/good condition..
- River bank protection from erosion ongoing at low and high water levels. Effect of material deposition ongoing (downstream).
- City-type revetment at the wharf of Ilok protects the river bank from the high waters. Downstream of the wharf, stone revetment and parallel structure are in function of river bank protection from the erosion during low water levels. Downstream of the bridge, vertical river bank is under construction.

3.2 RIVER REGULATION INFRASTRUCTURE – LEFT BANK

1. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1432-L2	**Groyne**	**1432+748**	**33,58**	**79,81**

Existing documentation

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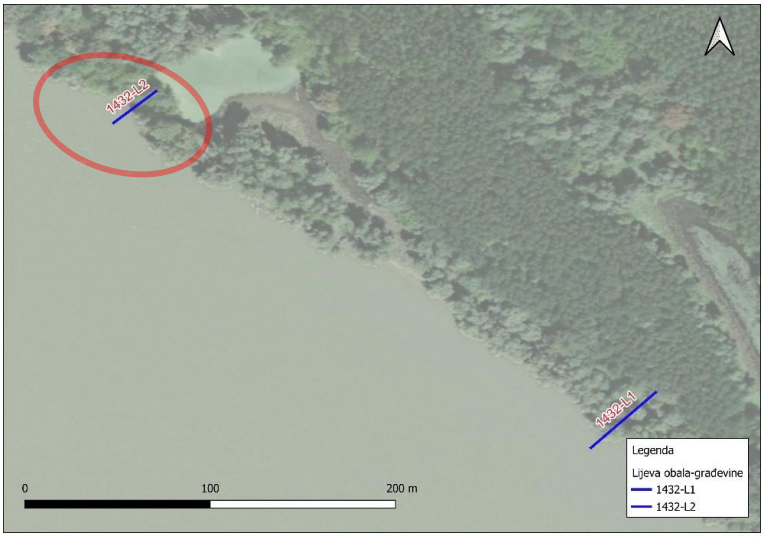
Location of the infrastructure



Picture of the infrastructure

Analysis

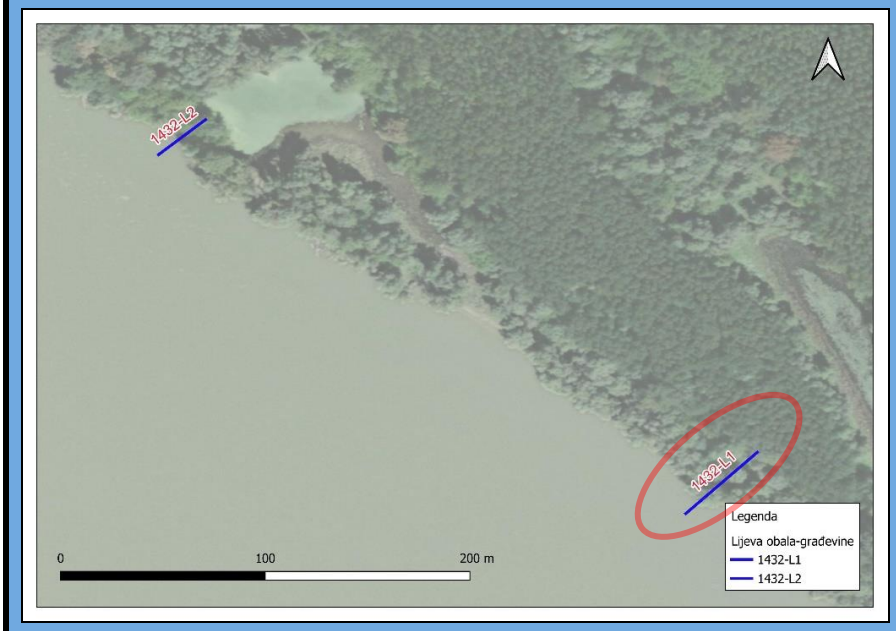
- Infrastructure is in satisfying condition.
- Effect of material deposition finished (upstream, downstream).
- Groyne material and effect of material deposition upstream and downstream visible.

2. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1432-L1	**Groyne**	**1432+529**	**55,33 m**	**79,70**

Existing documentation

- CADASTRE MARK **1432/12**
- CADASTRE PAGE **2/1**

Location of the infrastructure



Picture of the infrastructure

Analysis

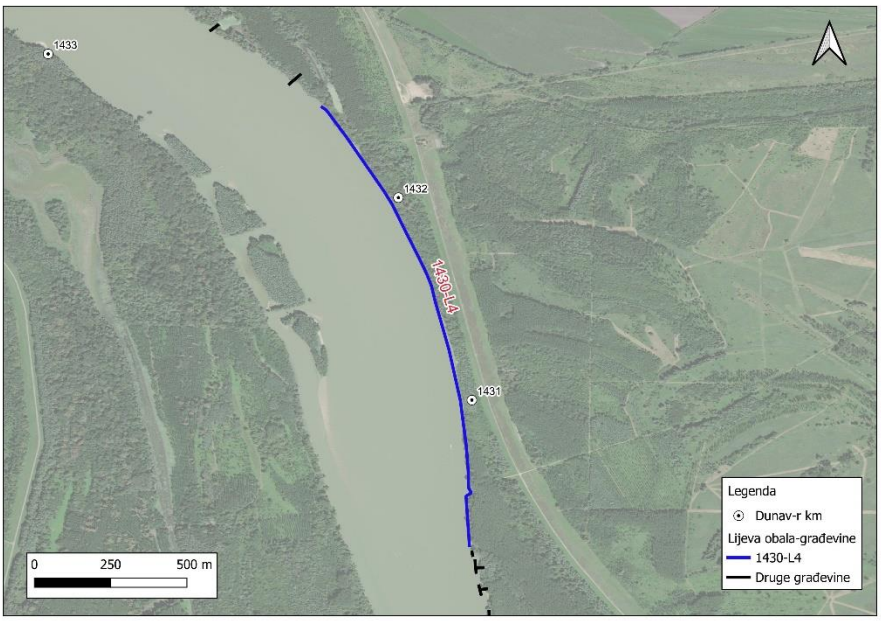
- Infrastructure is in good condition.
- Effect of material deposition ongoing (upstream, downstream).
- Groyne material and effect of material deposition upstream and downstream visible, vegetation present on the beginning of the infrastructure.

3. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1430-L4	**Revetment**	**1432+360 do 1430+378**	**2152,14 m**	**82,76**

Existing documentation

- CADASTRE MARK **1430/12**
- CADASTRE PAGE **2/1**

Location of the infrastructure



Picture of the infrastructure

3. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1430-L4	**Revetment**	**1432+360 do 1430+378**	**2152,14 m**	**82,76**

Analysis

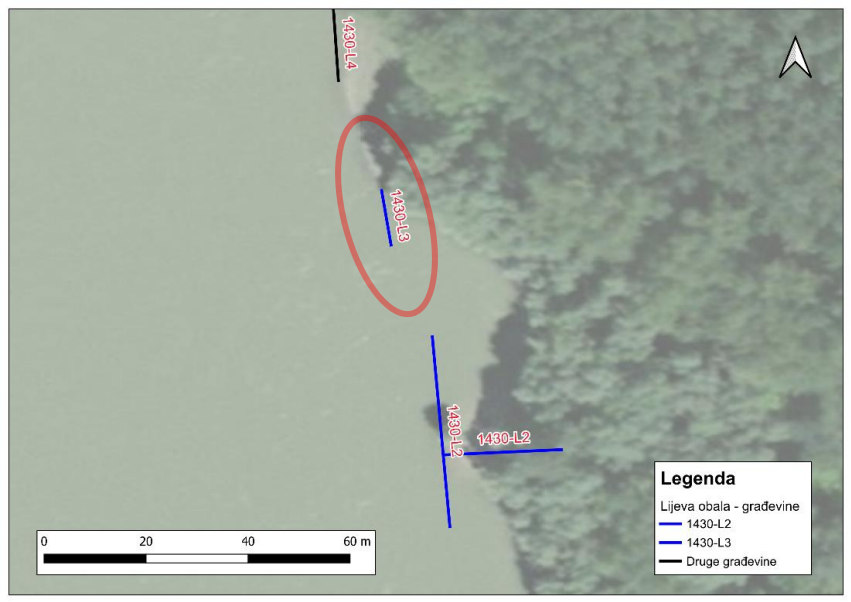
- Infrastructure is in good condition.
- River bank erosion protection ongoing at low water levels.
- Stone revetment. Revetment material visible. Above crown revetment vegetation and trees present. Approx 30 m of revetment material not visible.

4. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1430-L3	**Revetment**	**1430+349 do 1430+335**	**15,37**	**82,25**

Existing documentation

- CADASTRE MARK **1430/11**
- CADASTRE PAGE **2/1**

Location of the infrastructure



Picture of the infrastructure

Analysis

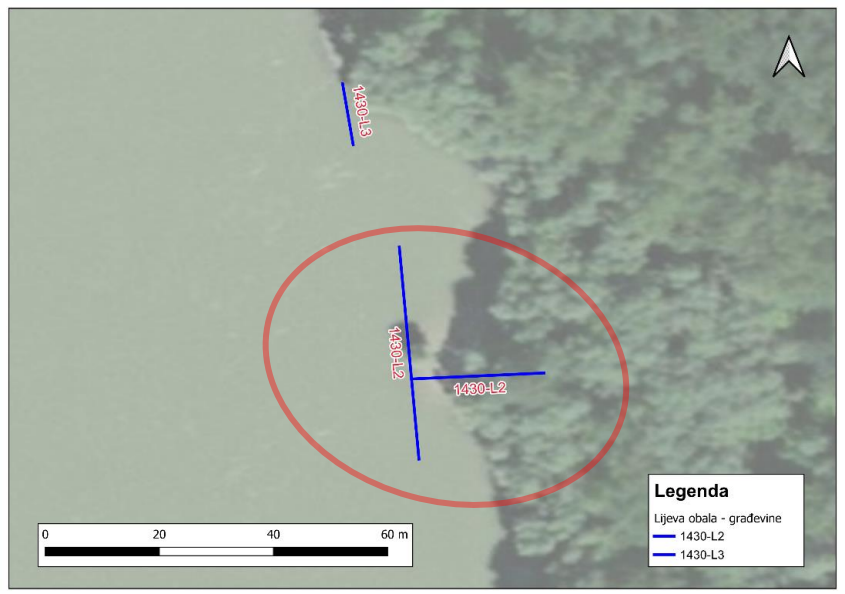
- Infrastructure is in good condition.
- River bank erosion protection ongoing at low water levels.
- River bank ingrown with revetment. Effect of material deposition visible (upstream and downstream).

5. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1430-L2	**T-groyne**	**1430+280**	**53,36**	**53,36**

Existing documentation

- CADASTRE MARK **1430/00**
- CADASTRE PAGE **2/1**

Location of the infrastructure



Picture of the infrastructure

Analysis

- Infrastructure is in good condition.
- Effect of material deposition ongoing (upstream, downstream).
- Material on the groyne head and effect of material deposition upstream and downstream visible, vegetation present on the beginning of the infrastructure.

6. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1430-L1	**T-groyne**	**1430+186**	**39,53**	**83,00**

Existing documentation

- CADASTRE MARK **1429/12**
- CADASTRE PAGE **2/1**

Location of the infrastructure

Picture of the infrastructure

Analysis

- Infrastructure is in good condition.
- Effect of material deposition ongoing (upstream, downstream).
- Material on the groyne head and effect of material deposition upstream and downstream visible, vegetation present on the beginning of the infrastructure.

7. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1429-L1	**Revetment**	**1430+090 do 1429+516**	**539,78**	**82,03**

Existing documentation

- CADASTRE MARK **1429/11**
- CADASTRE PAGE **2/2**

Location of the infrastructure

Picture of the infrastructure

7. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1429-L1	**Revetment**	**1430+090 do 1429+516**	**539,78**	**82,03**

Analysis

- Infrastructure is in good condition.
- River bank erosion protection ongoing at low water levels.
- Stone revetment. Revetment material visible. Above crown revetment vegetation and trees present.

8. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1426-L2	**Parallel structure**	**1426+500 do 1426+449**	**55,62**	**82,03**

Existing documentation

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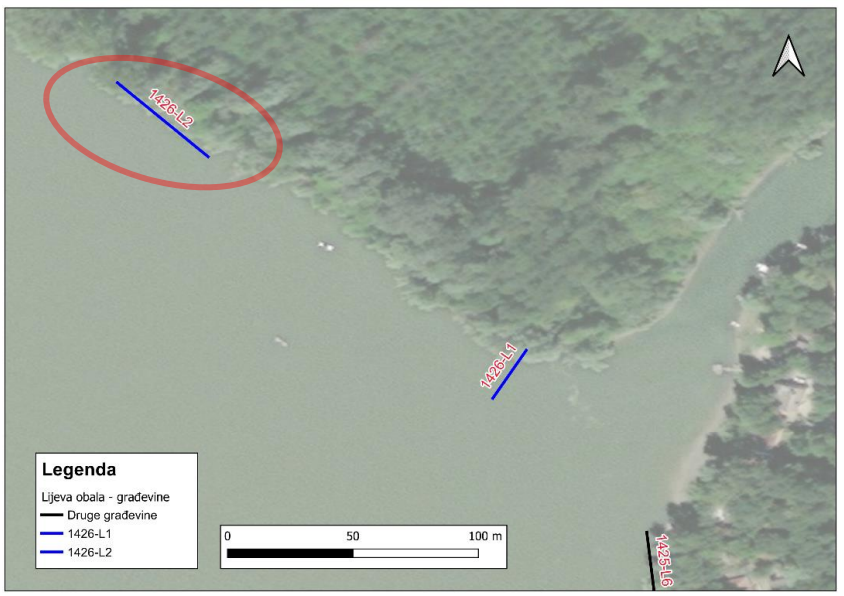
Location of the infrastructure



Picture of the infrastructure

Analysis

- Infrastructure is in bad condition.
- Effect of material deposition ongoing (upstream, downstream).
- Parts of parallel structure material and effect of material deposition upstream and downstream visible.

9. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1426-L1	**Groyne**	**1426+282**	**30,47**	**81,36**

Existing documentation

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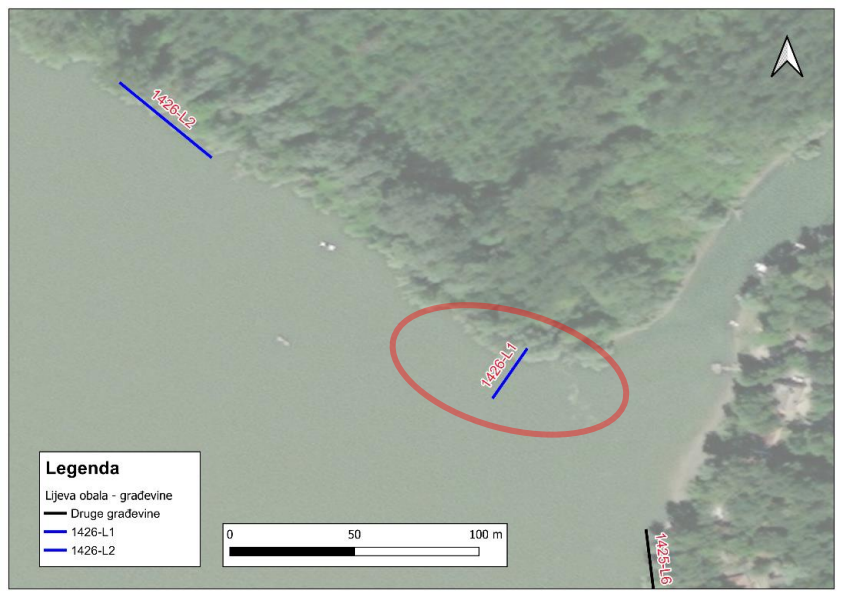
Location of the infrastructure



Picture of the infrastructure

Analysis

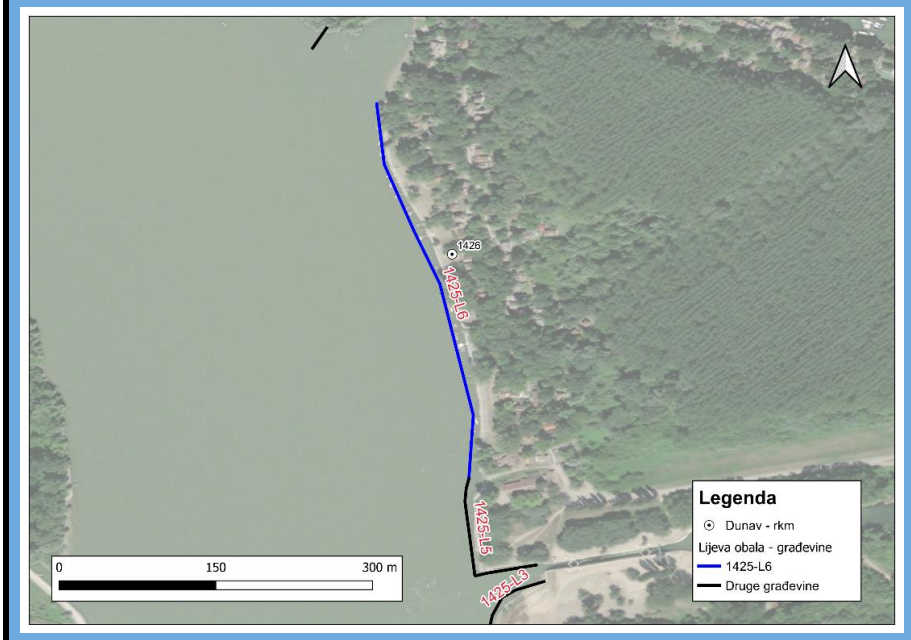
- Infrastructure is in bad condition.
- Effect of material deposition ongoing (upstream, downstream).
- Parts of groyne material and effect of material deposition upstream and downstream visible.

10. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1425-L6	**Revetment**	**1426+195 do 1425+712**	**524,55**	**85,53**

Existing documentation

- CADASTRE MARK **1426/11**
- CADASTRE PAGE **2/2**

Location of the infrastructure



Picture of the infrastructure

10. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1425-L6	**Revetment**	**1426+195 do 1425+712**	**524,55**	**85,53**

Analysis

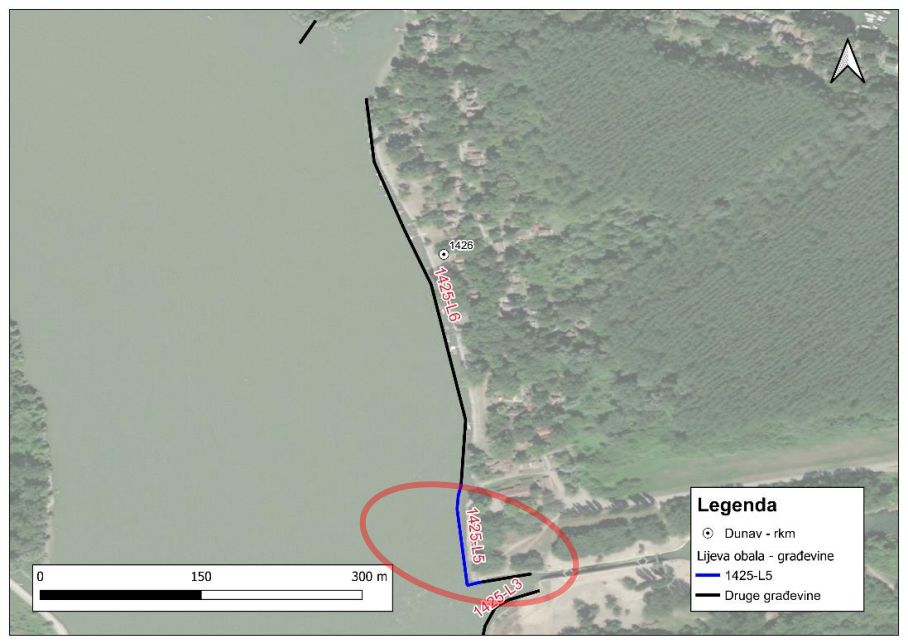
- Infrastructure is in good condition.
- River bank erosion protection ongoing at medium water levels.
- Slope revetment from stone and concrete stone. Concrete stairs along the slope revetment.

11. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1425-L5	**Revetment**	**1425+712 do 1425+577**	**145,97**	**83,15**

Existing documentation

- CADASTRE MARK **1425/15**
- CADASTRE PAGE **2/2**

Location of the infrastructure



Picture of the infrastructure

11. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1425-L5	**Revetment**	**1425+712 do 1425+577**	**145,97**	**83,15**

Analysis

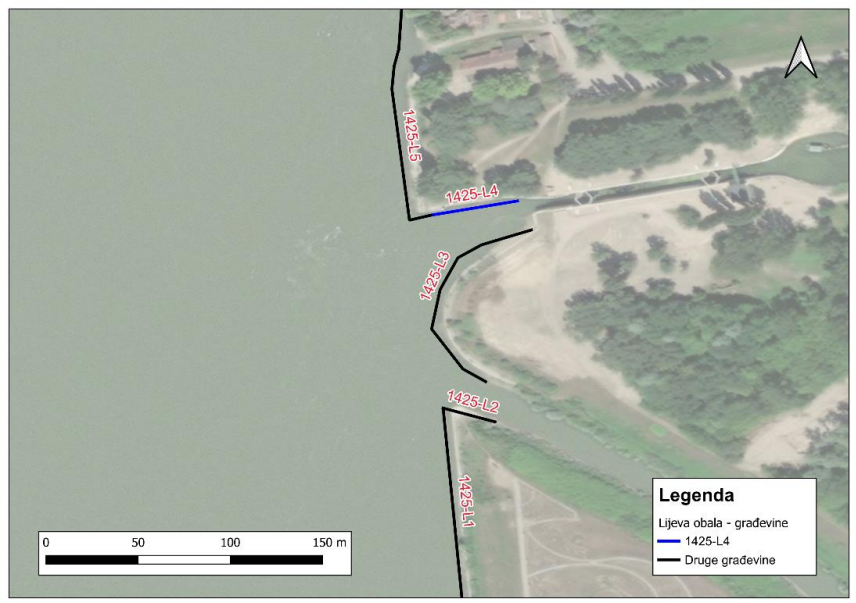
- Infrastructure is in good condition.
- River bank erosion protection ongoing at high water levels.
- Part of slope revetment made from concrete stone, the rest of the slope is made of concrete blocks (city-type revetment). Concrete stairs along the slope revetment.

12. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1425-L4	**Revetment**	**1425+577 do 1425+585**	**48,41**	**86,74**

Existing documentation

- CADASTRE MARK **1425/14**
- CADASTRE PAGE **2/2**

Location of the infrastructure



Picture of the infrastructure

Analysis

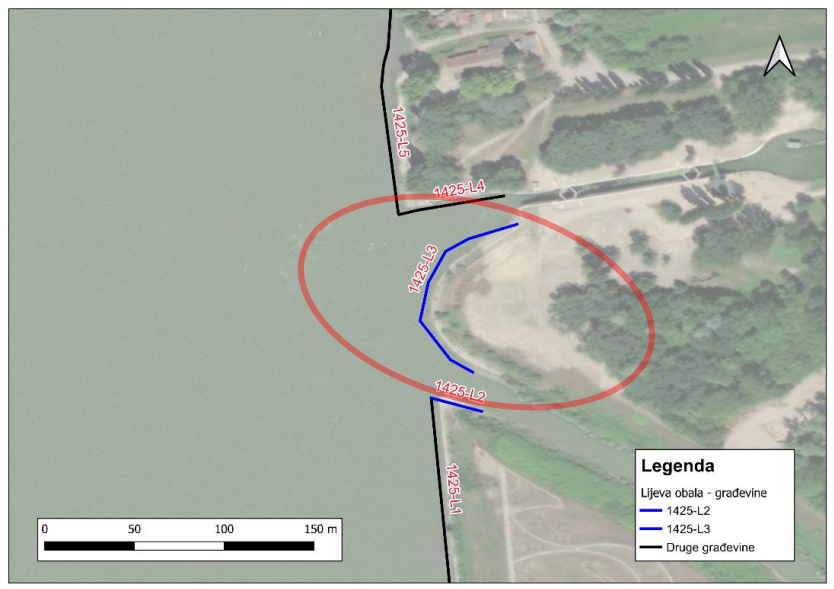
- Infrastructure is in excellent condition.
- River bank erosion protection ongoing at high water levels.
- A vertical revetment in the form of a reinforced concrete wall. Entrance in river lock in Bezdan settlement.

13. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1425-L3	**Revetment**	**1425+562 do 1425+443**	**154,36**	**81,49**

Existing documentation

- CADASTRE MARK **1425/13**
- CADASTRE PAGE **2/2**

Location of the infrastructure



Picture of the infrastructure

Analysis

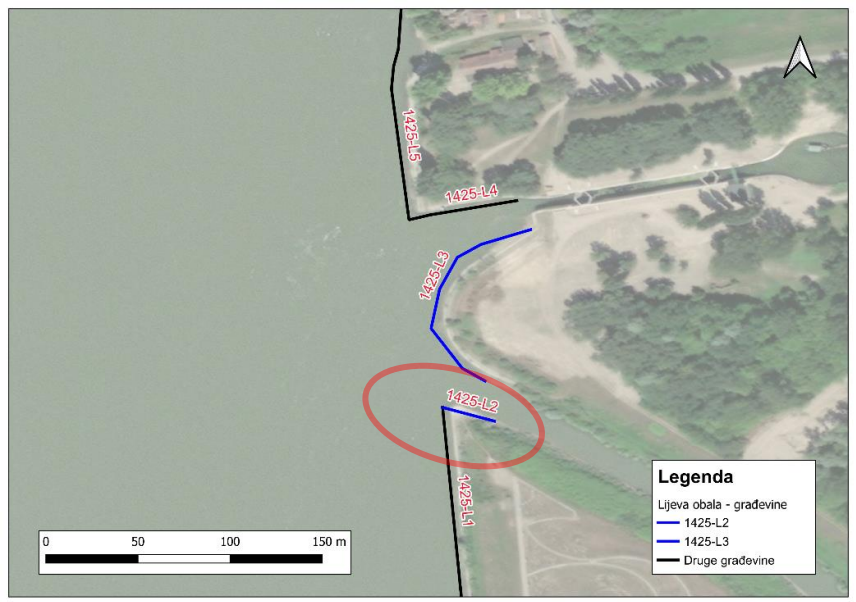
- Infrastructure is in good condition.
- River bank erosion protection ongoing at high water levels.
- Semicircular revetment. Revetment slope made of concrete blocks (city-type revetment).

14. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1425-L2	**Revetment**	**1425+423 do 1425+410**	**30,09**	**79,44**

Existing documentation

- CADASTRE MARK **1425/12**
- CADASTRE PAGE **2/2**

Location of the infrastructure



Picture of the infrastructure

Analysis

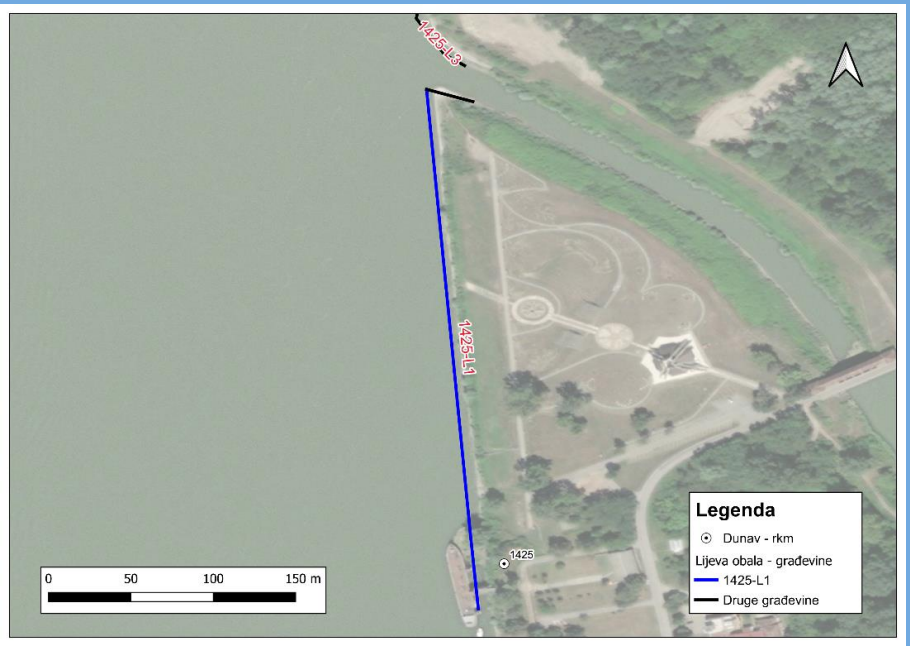
- Infrastructure is in good condition.
- River bank erosion protection ongoing at high water levels.
- Revetment slope made of concrete blocks (city-type revetment).

15. Left bank	***Type:***	***Chainage (r.km)***	***Length (m)***	***Crown elevation (m.a.s.l.)***
1425-L1	**Revetment**	**1425+423 do 1424+959**	**451,65**	**81,79**

Existing documentation

- CADASTRE MARK **1425/11**
- CADASTRE PAGE **2/2**

Location of the infrastructure



Picture of the infrastructure

15. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1425-L1	**Revetment**	**1425+423 do 1424+959**	**451,65**	**81,79**

Analysis

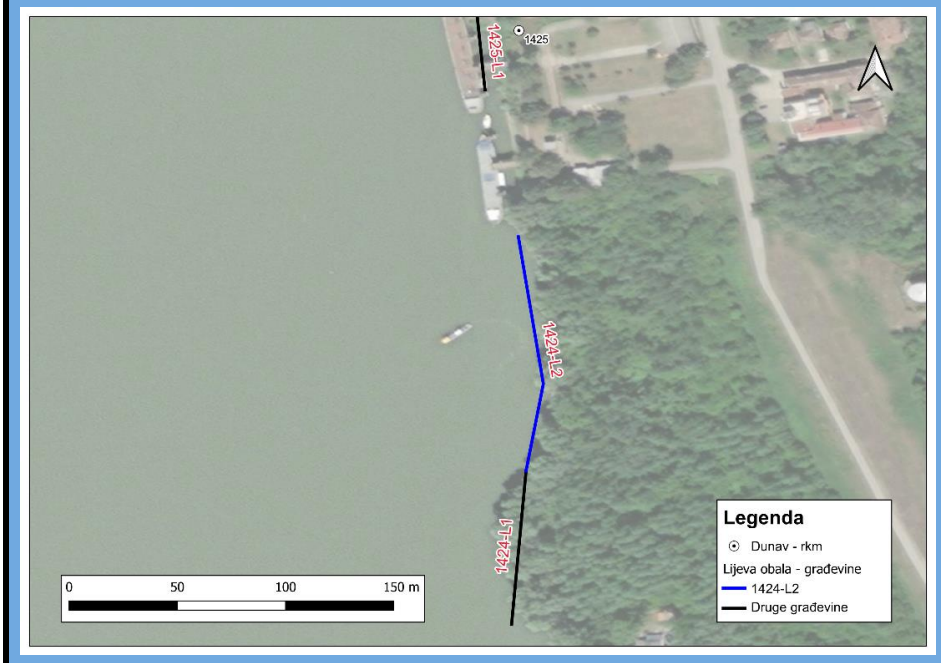
- Infrastructure is in satisfying condition.
- River bank erosion protection ongoing at medium water levels.
- Stone revetment. Vegetation present above the infrastructure. Continues to the revetment 1425-L2. Visible columns of the old docking place in bad condition.

16. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1424-L2	**Revetment**	**1424+860 do 1424+662**	**155,90**	**79,34**

Existing documentation

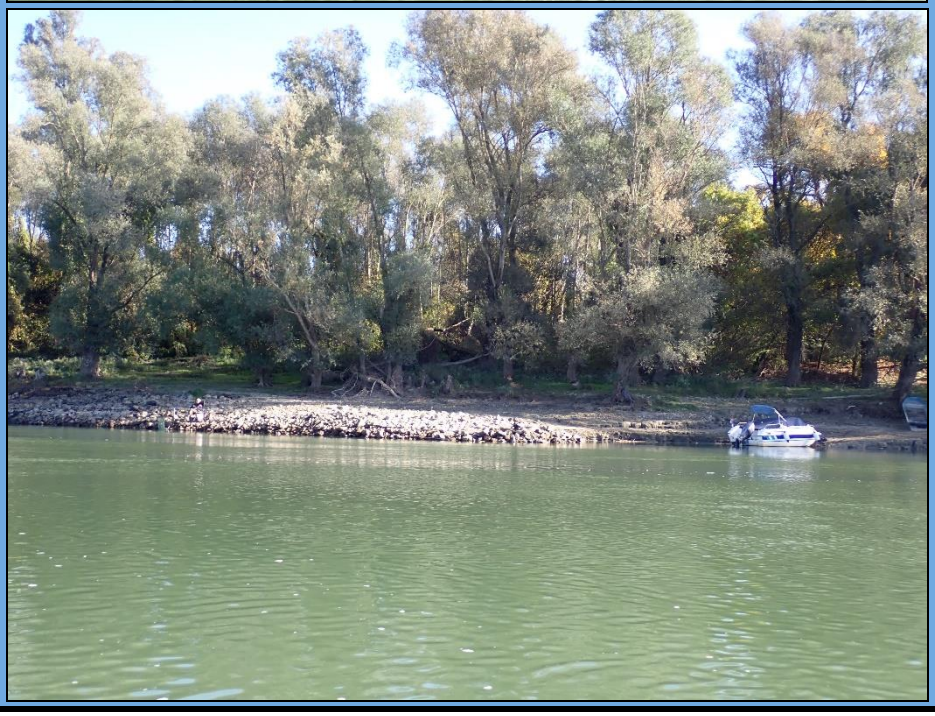
- CADASTRE MARK **1424/13**
- CADASTRE PAGE **2/3**

Location of the infrastructure



Picture of the infrastructure

16. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1424-L2	**Revetment**	**1424+860 do 1424+662**	**155,90**	**79,34**



Analysis

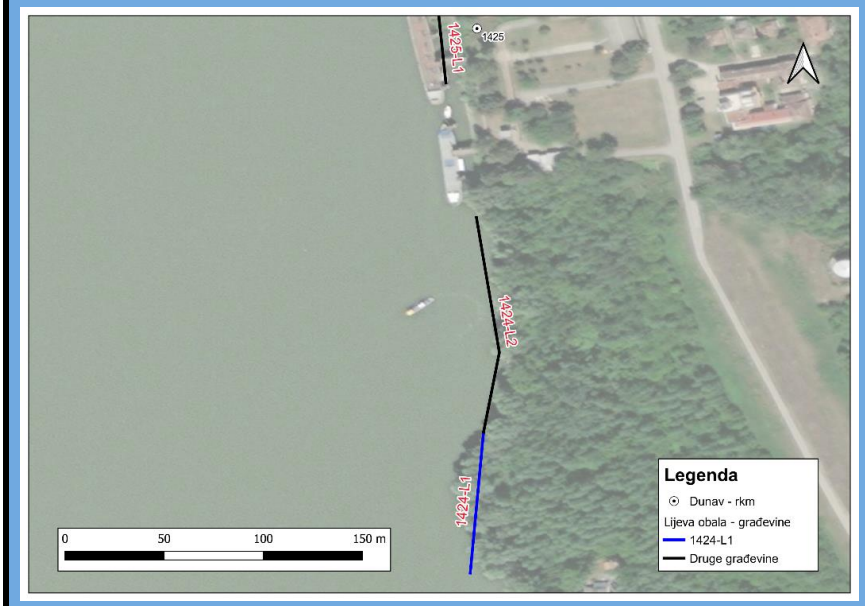
- Infrastructure is in good condition.
- River bank erosion protection ongoing at low water levels.
- Stone revetment. Vegetation present above the infrastructure.Visible material revetment.

17. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1424-L1	**T-groyne**	**1424+662 do 1424+591**	**101,77**	**81,4**

Existing documentation

- CADASTRE MARK **1424/12**
- CADASTRE PAGE **2/3**

Location of the infrastructure



Picture of the infrastructure

Analysis

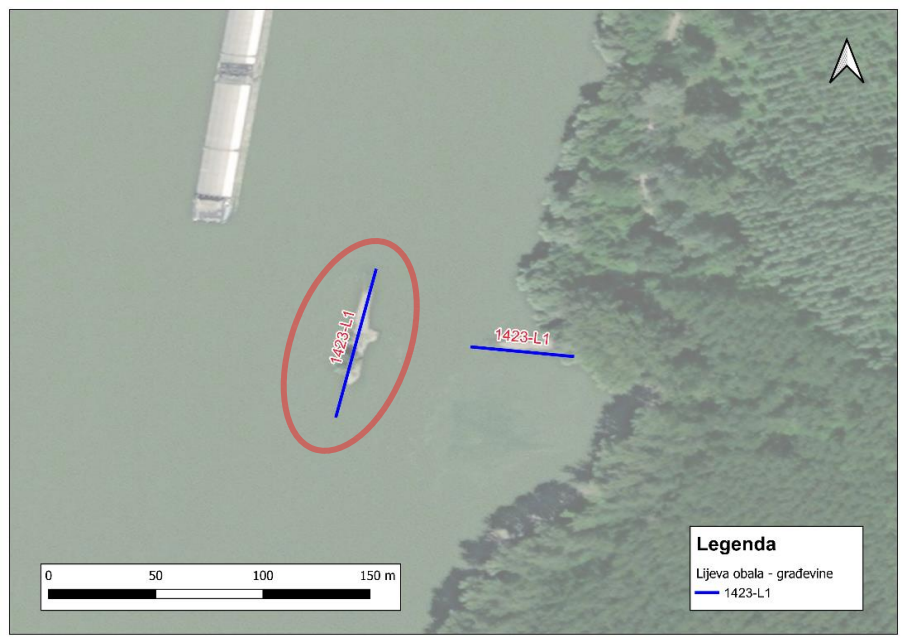
- Infrastructure is in good condition.
- Effect of material deposition ongoing (upstream, downstream).
- Material on the groyne head and effect of material deposition upstream and downstream visible, vegetation present on the beginning of the infrastructure. In continuity with revetment 1424-L2.

18. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1423-L1	**T-groyne**	**1423+963**	**98,82**	**82,71**

Existing documentation

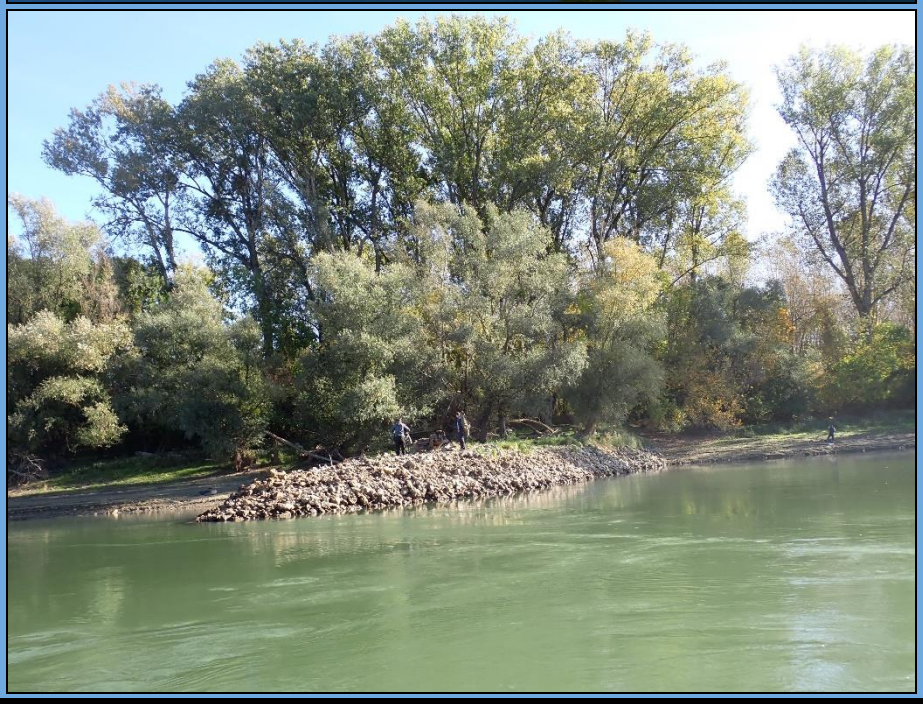
- CADASTRE MARK **1424/11**
- CADASTRE PAGE **2/3**

Location of the infrastructure



Picture of the infrastructure

18. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1423-L1	**T-groyne**	**1423+963**	**98,82**	**82,71**



Analysis

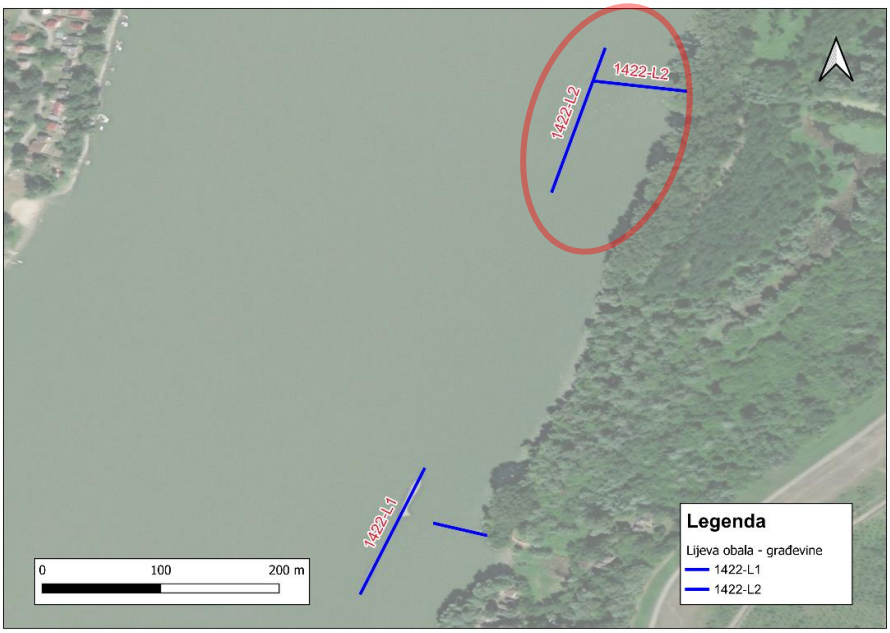
- Infrastructure is in bad condition.
- Effect of material deposition failed.
- Material on the groyne head and groyne root visible. Separately groyne head from root.

19. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1422-L2	**T-groyne**	**1422+894**	**177,17**	**79,22**

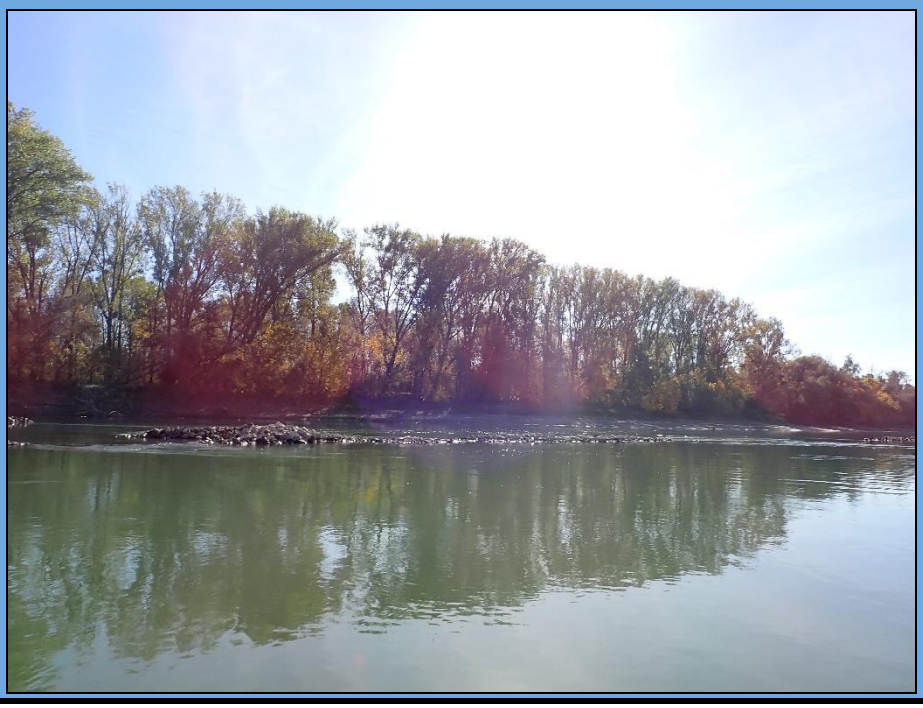
Existing documentation

- CADASTRE MARK **1422/13**
- CADASTRE PAGE **2/3**

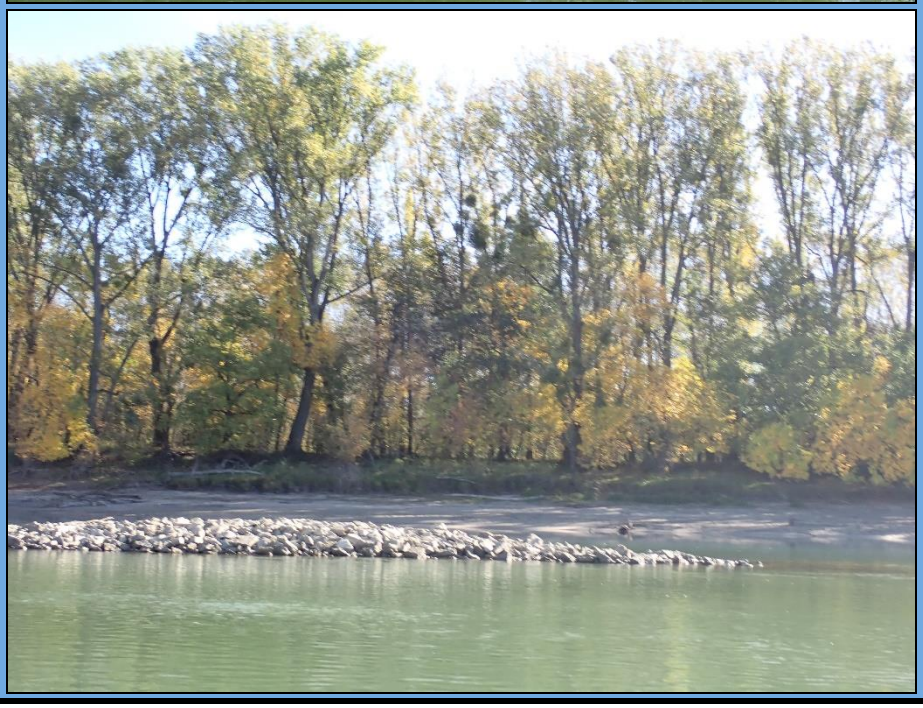
Location of the infrastructure



Picture of the infrastructure



19. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1422-L2	**T-groyne**	**1422+894**	**177,17**	**79,22**



Analysis

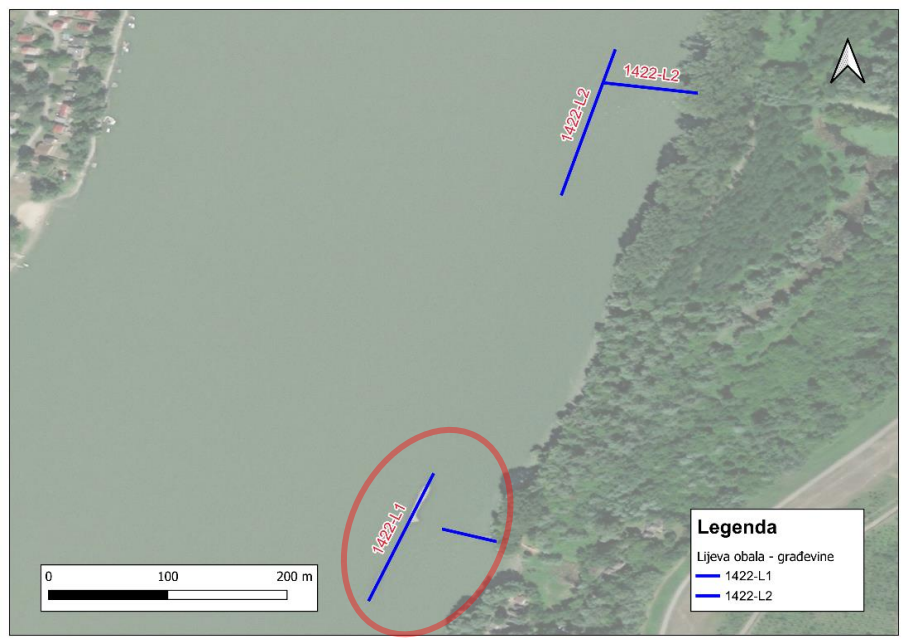
- Infrastructure is in bad condition.
- Effect of material deposition ongoing (upstream, downstream).
- Groyne connection material not visible.

20. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1422-L1	**T-groyne**	**1422+281**	**158,98**	**81,55**

Existing documentation

- CADASTRE MARK **1422/12**
- CADASTRE PAGE **2/3**

Location of the infrastructure



Picture of the infrastructure

20. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1422-L1	**T-groyne**	**1422+281**	**158,98**	**81,55**

Analysis

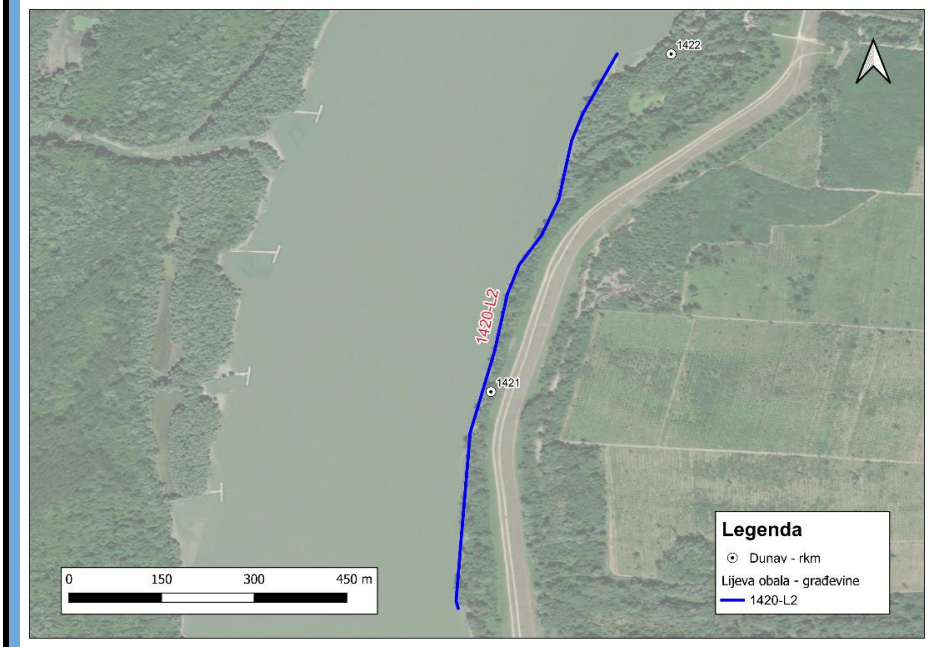
- Infrastructure is in bad condition.
- Effect of material deposition failed.
- Groyne connection and head material visible. Irregular geometry of the groyne. Separately groyne head from connection.

21. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1420-L2	**Revetment**	**1421+970 do 1420+529**	**1320,08**	**82,83**

Existing documentation

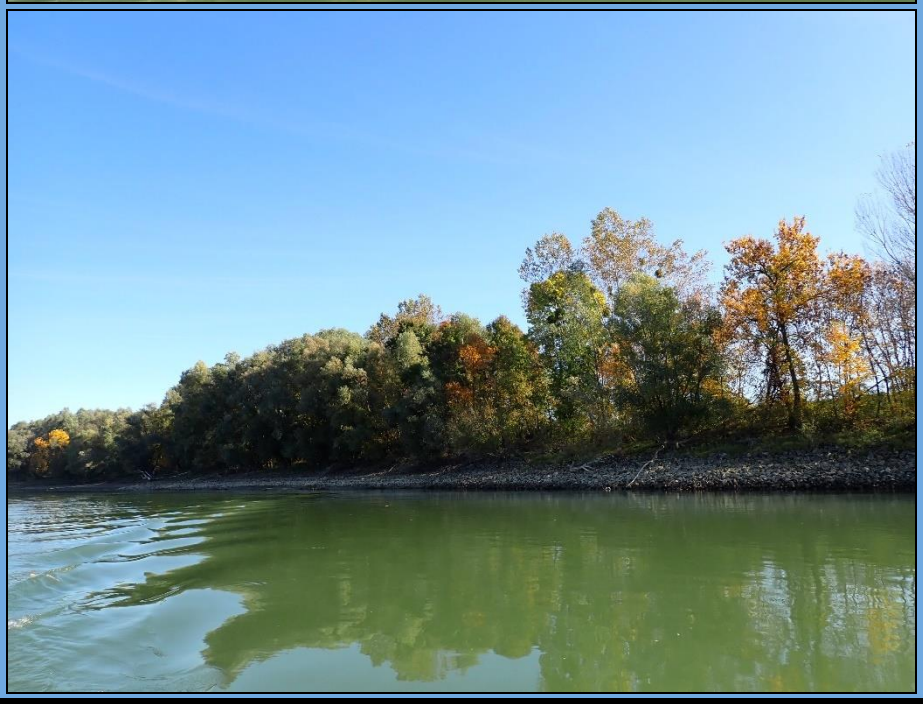
- CADASTRE MARK **1421/11**
- CADASTRE PAGE **2/3**

Location of the infrastructure



Picture of the infrastructure

21. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1420-L2	**Revetment**	**1421+970 do 1420+529**	**1320,08**	**82,83**



Analysis

- Infrastructure is in good condition.
- River bank erosion protection ongoing at low water levels.
- Stone revetment. Vegetation present above the infrastructure. Visible material revetment. The beginning of the revetment in continuity, after 200m part of the revetment is washed away, visible material behind.

22. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1420-L1	**T-groyne**	**1420+281**	**51,95**	**81,48**

Existing documentation

- CADASTRE MARK **1420/12**
- CADASTRE PAGE **2/3**

Location of the infrastructure

Picture of the infrastructure

22. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1420-L1	**T-groyne**	**1420+281**	**51,95**	**81,48**

Analysis

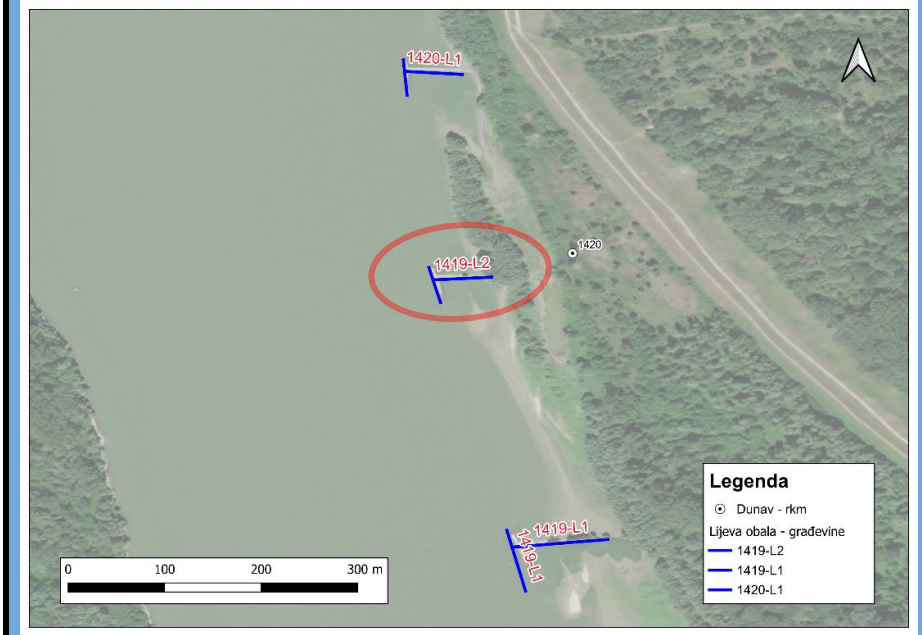
- Infrastructure is in good condition.
- Effect of material deposition ongoing (upstream, downstream).
- Groyne connection, head material and effect of material deposition upstream and downstream visible. On the groyne connection downstream visible lack of stone below groyne crown.

23. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1419-L2	**T-groyne**	**1419+990**	**53,21**	**81,64**

Existing documentation

- CADASTRE MARK **1420/11**
- CADASTRE PAGE **2/3**

Location of the infrastructure



Picture of the infrastructure

23. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1419-L2	**T-groyne**	**1419+990**	**53,21**	**81,64**

Analysis

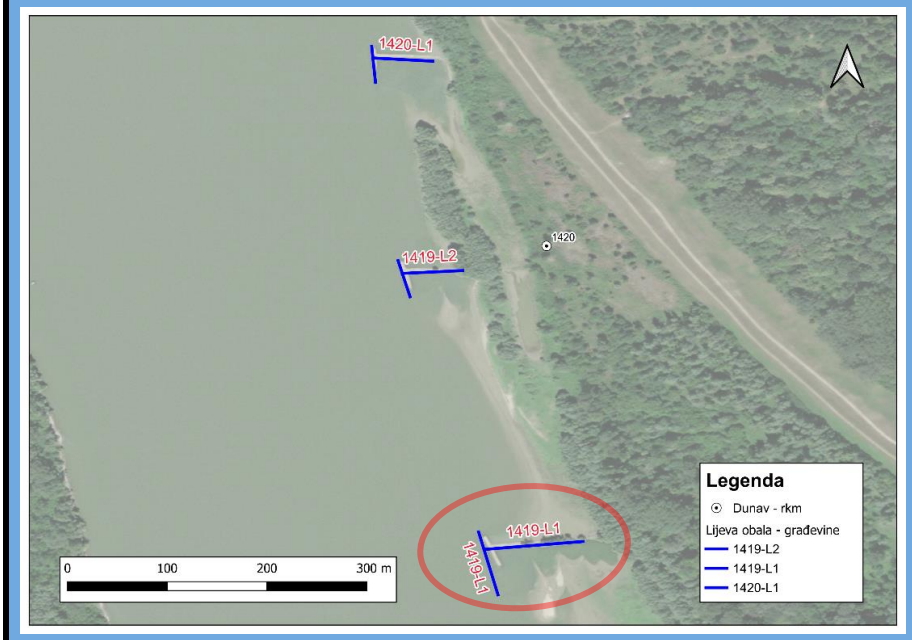
- Infrastructure is in good condition.
- Effect of material deposition ongoing (upstream, downstream).
- Groyne connection, head material and effect of material deposition upstream and downstream visible.

24. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1419-L1	**T-groyne**	**1419+612**	**91,96**	**81,60**

Existing documentation

- CADASTRE MARK **1419/11**
- CADASTRE PAGE **2/4**

Location of the infrastructure



Picture of the infrastructure

24. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1419-L1	**T-groyne**	**1419+612**	**91,96**	**81,60**

Analysis

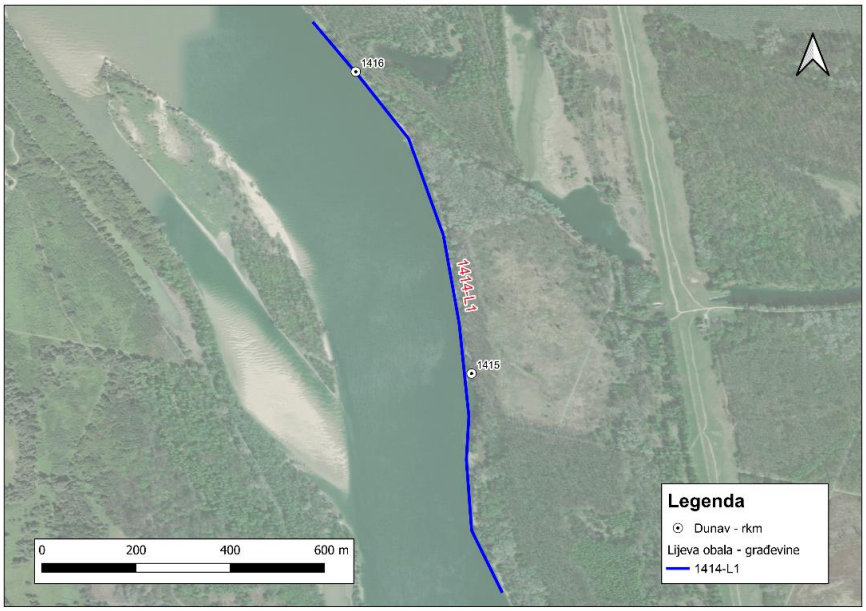
- Infrastructure is in satisfying condition.
- Effect of material deposition ongoing (upstream, downstream).
- Groyne connection, head material and significantly effect of material deposition upstream and downstream visible. Groyne head irregular geometry. Trees present on the groyne crown connection.

25. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1414-L1	**Revetment**	**1416+109 do 1414+355**	**1804,23**	**79,02**

Existing documentation

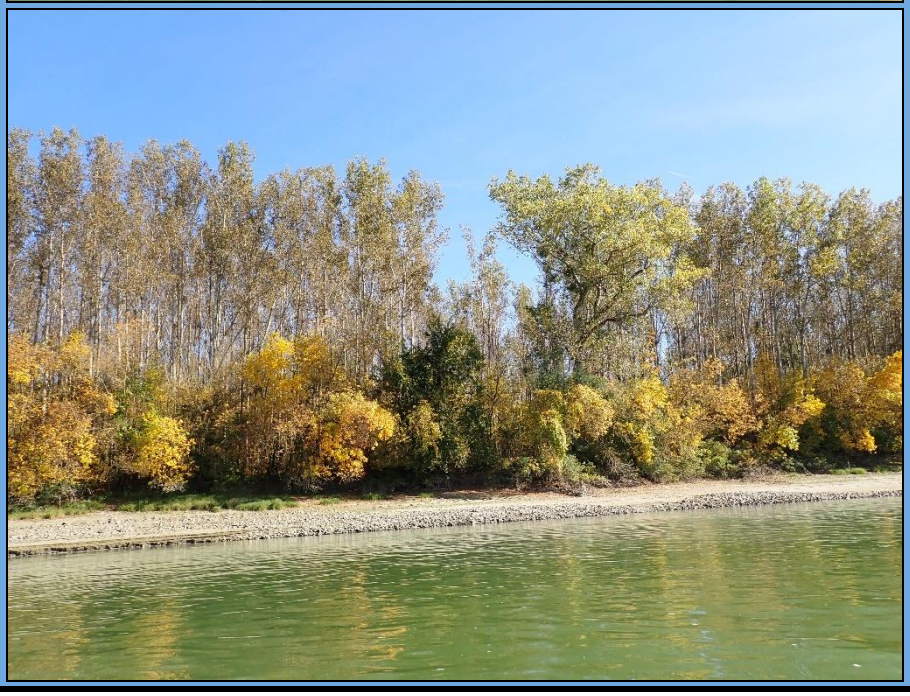
- CADASTRE MARK **1415/11**
- CADASTRE PAGE **2/4**

Location of the infrastructure



Picture of the infrastructure

25. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1414-L1	**Revetment**	**1416+109 do 1414+355**	**1804,23**	**79,02**



Analysis

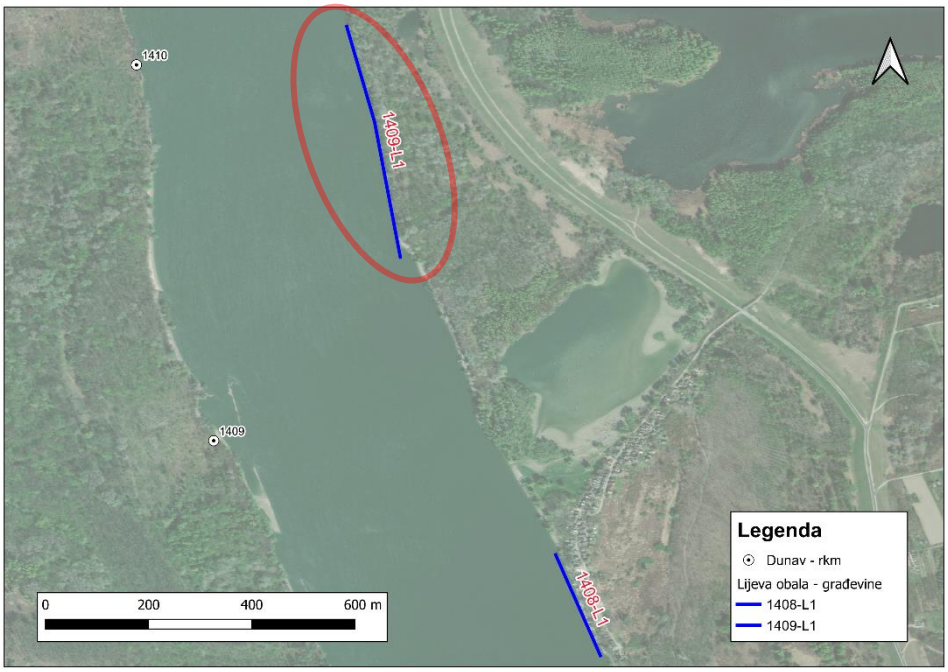
- Infrastructure is in bad condition.
- River bank erosion protection failed.
- Stone revetment. Visible material revetment at low water levels. Part of the revetment is washed away, visible material behind.

26. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1409-L1	**Revetment**	**1410+058 do 1409+398**	**647,38**	**78,64**

Existing documentation

- CADASTRE MARK **1410/11**
- CADASTRE PAGE **2/6**

Location of the infrastructure



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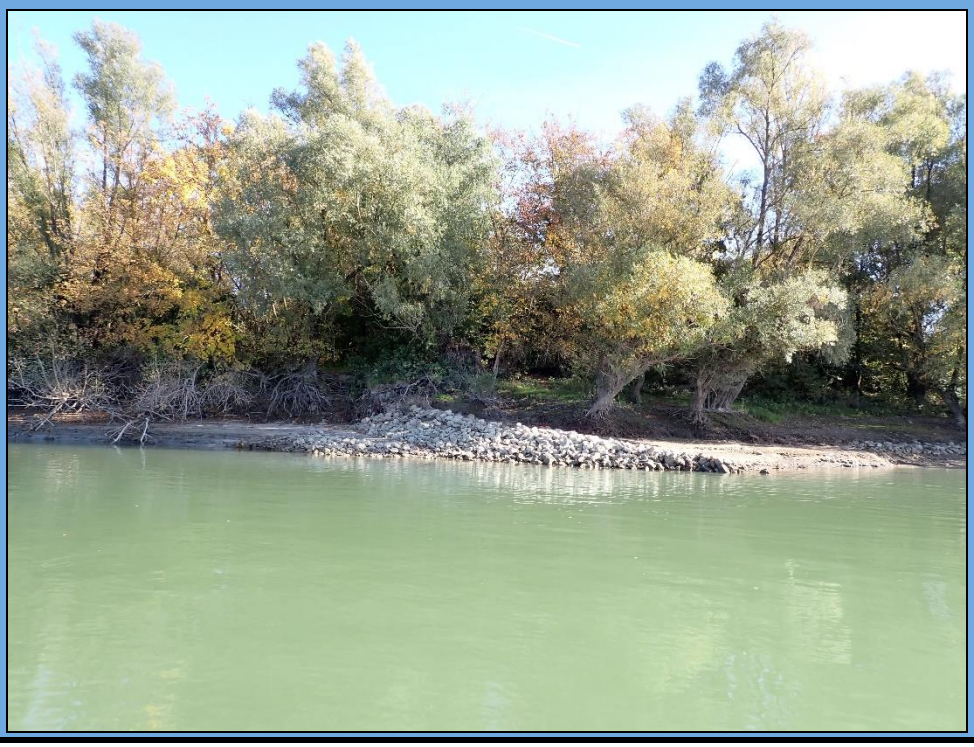
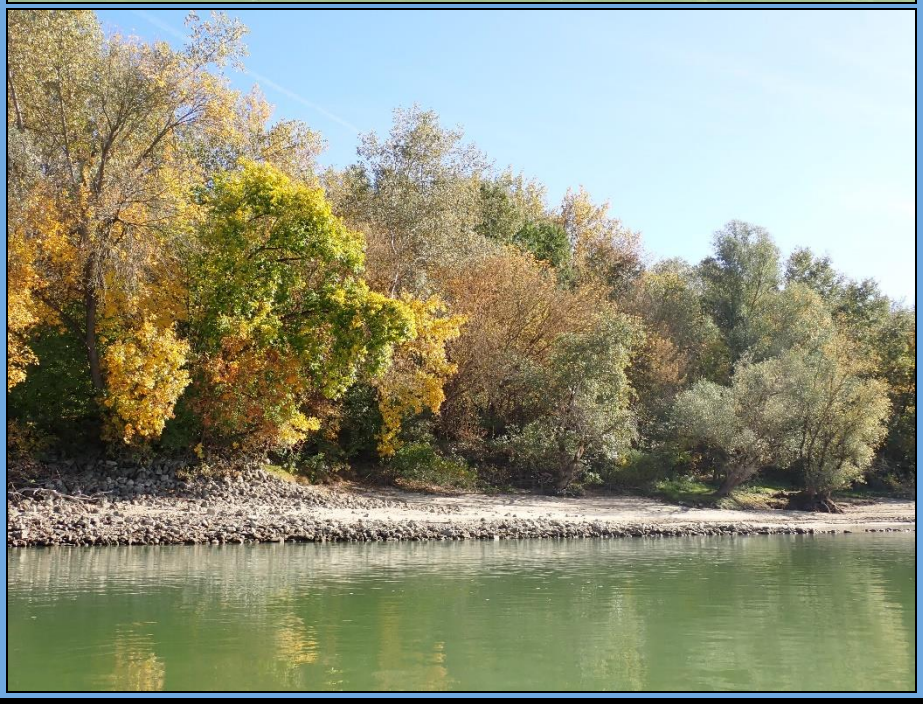


26. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1409-L1	**Revetment**	**1410+058 do 1409+398**	**647,38**	**78,64**



Analysis

- Infrastructure is in bad condition.
- River bank erosion protection failed.
- Stone revetment. Visible material revetment at low water levels. Part of the revetment is washed away, visible material behind.

27. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1408-L1	**Revetment**	**1408+502 do 1408+198**	**291,88**	**78,50**

Existing documentation

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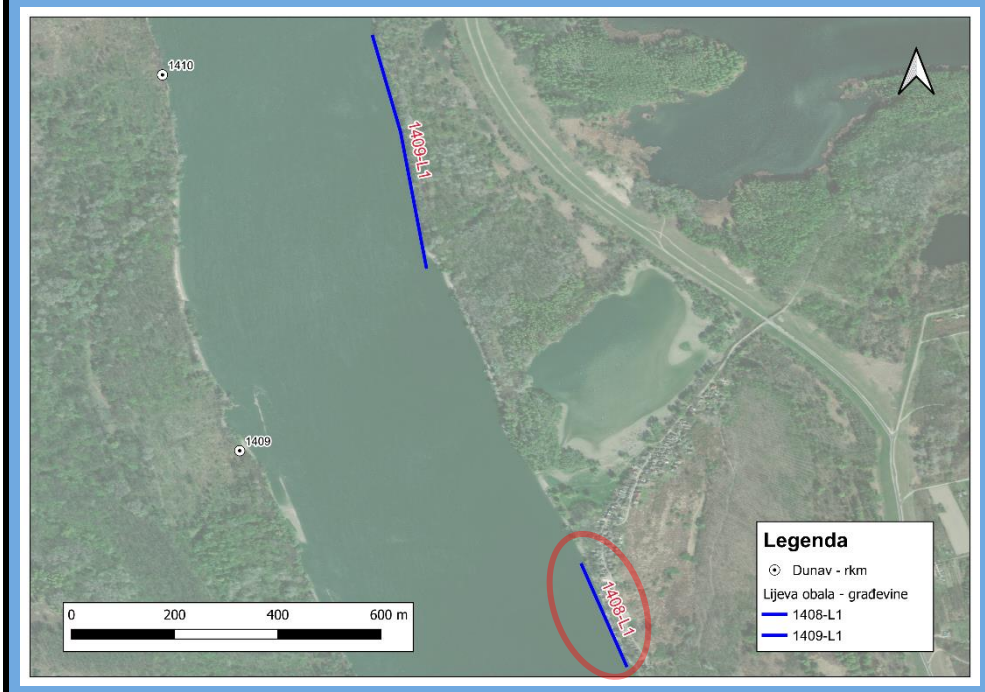
Location of the infrastructure



Picture of the infrastructure

27. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1408-L1	**Revetment**	**1408+502 do 1408+198**	**291,88**	**78,50**

Analysis

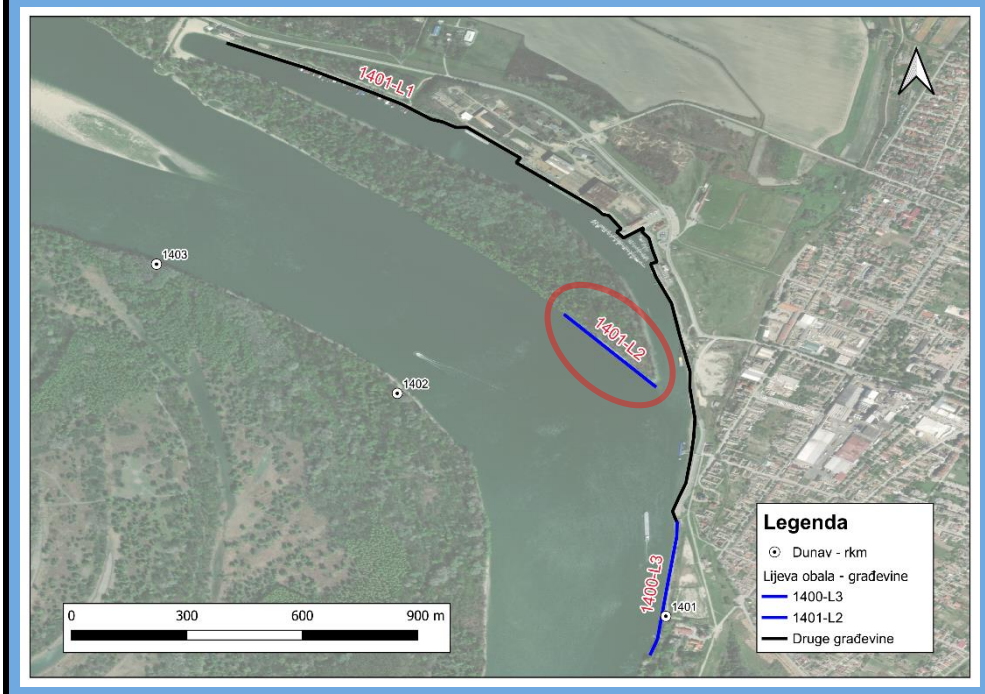
- Infrastructure is in bad condition.
- River bank erosion protection failed.
- Revetment near the Vagoni settlement. On slopes visible stone, car tires and reinforced concrete stairs, irregular geometry structure.

28. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1401-L2	**Revetment**	**1401+863 do 1401+619**	**351,28**	**78,40**

Existing documentation

- CADASTRE MARK **1401/11**
- CADASTRE PAGE **2/7**

Location of the infrastructure



Picture of the infrastructure

28. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1401-L2	**Revetment**	**1401+863 do 1401+619**	**351,28**	**78,40**

Analysis

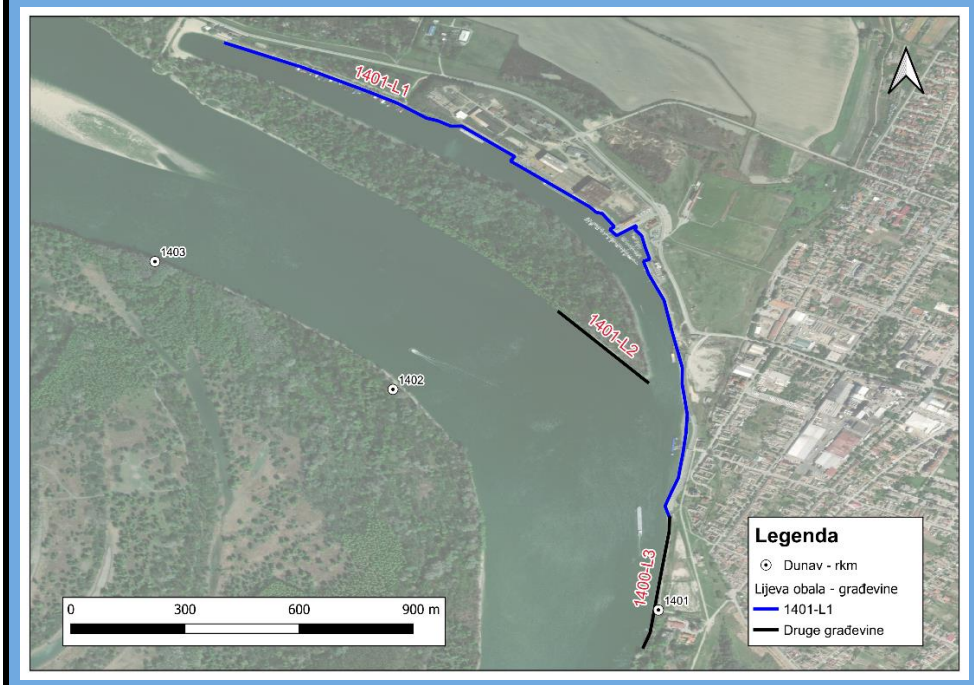
- Infrastructure is in bad condition.
- River bank erosion protection failed.
- Stone revetment. Visible material revetment at low water levels. Part of the revetment is washed away, visible material behind from the river side. There is no visible material on the side of the backwater near the port of Apatin.

29. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Elevation toe (m.a.s.l.)*
1401-L1	**Revetment**	**1403+7247 do 1401+340**	**2516,32**	**78,42**

Existing documentation

- CADASTRE MARK **1403/11**
- CADASTRE PAGE **2/7**

Location of the infrastructure



Picture of the infrastructure

29. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Elevation toe (m.a.s.l.)*
1401-L1	**Revetment**	**1403+7247 do 1401+340**	**2516,32**	**78,42**

29. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Elevation toe (m.a.s.l.)*
1401-L1	**Revetment**	**1403+7247 do 1401+340**	**2516,32**	**78,42**

29. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Elevation toe (m.a.s.l.)*
1401-L1	**Revetment**	**1403+7247 do 1401+340**	**2516,32**	**78,42**

29. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Elevation toe (m.a.s.l.)*
1401-L1	**Revetment**	**1403+7247 do 1401+340**	**2516,32**	**78,42**

29. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Elevation toe (m.a.s.l.)*
1401-L1	**Revetment**	**1403+7247 do 1401+340**	**2516,32**	**78,42**

Analysis

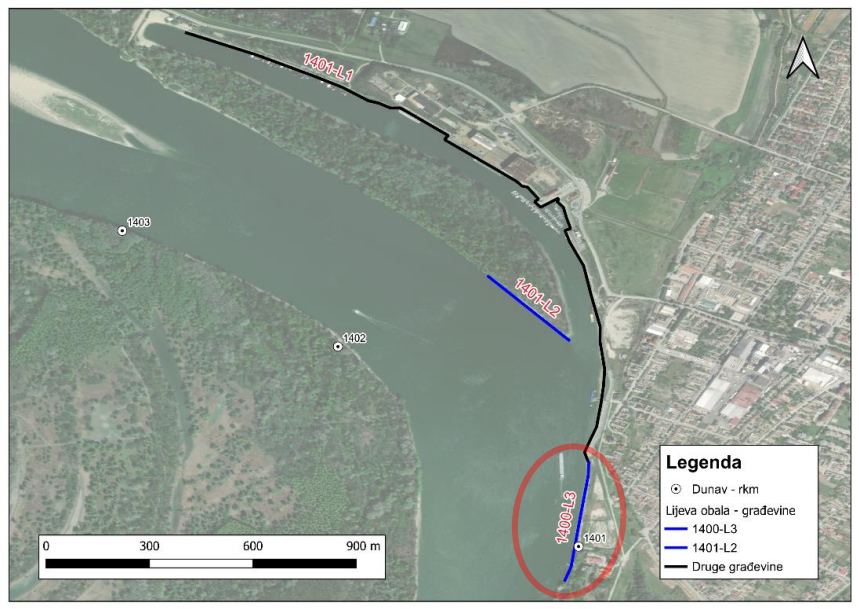
- Infrastructure is in good condition (bad, good, excellent)
- Upstream river bank erosion protection failed. River bank erosion protection at shipyard Apatin ongoing. Downstream river bank erosion protection ongoing at high water levels.
- Upstream of the Apatin barrier, the revetment is not visible from the water side. From the barrier to the vertical revetment of the Apatin shipyard, there are is no revetment material present. On the vertical revetment of the shipyard, visible deformation of the columns. At the Apatin passenger docking place, a city-type revetment in excellent condition. Along the downstream part of the revetment stone in concrete. A new city-type revetment near the Apatin marina. Downstream from the Apatin marina, a city-type revetment with irregular geometry and visible deformation.

30. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1400-L3	**Revetment**	**1401+340 do 1400+886**	**490,71**	**77,41**

Existing documentation

- CADASTRE MARK **1400/11**
- CADASTRE PAGE **2/7**

Location of the infrastructure



Picture of the infrastructure

Analysis

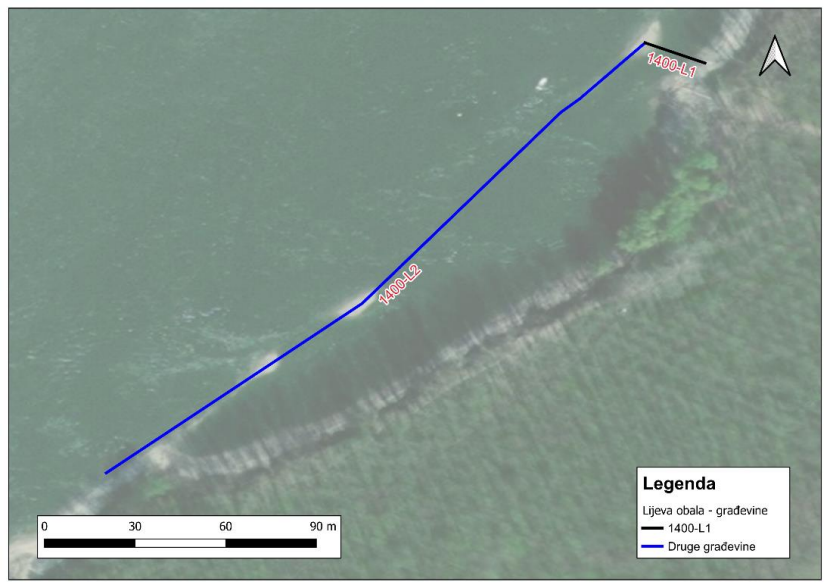
- Infrastructure is in good condition.
- River bank erosion protection ongoing at low water levels.
- Stone revetment. Vegetation present above the infrastructure. Visible material revetment.

31. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1400-L2	**Revetment**	**1400+456 do 1400+225**	**271,11**	**80,79**

Existing documentation

- CADASTRE MARK **1400/12**
- CADASTRE PAGE **2/7**

Location of the infrastructure



Picture of the infrastructure

Analysis

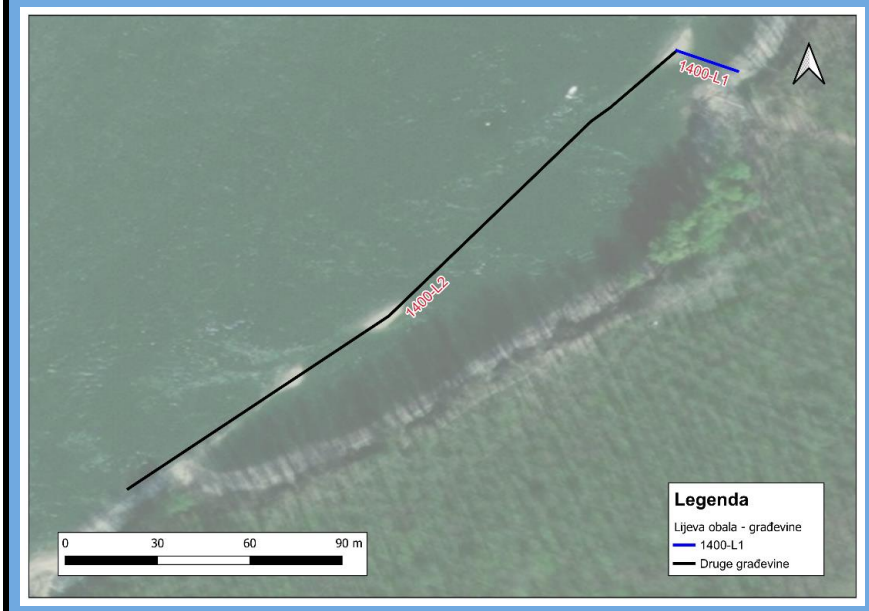
- Infrastructure is in bad condition.
- River bank erosion protection failed.
- Stone revetment. Visible material revetment at low water levels. Part of the revetment is washed away, visible material behind.

32. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1400-L1	**Parallel structure**	**1400+456**	**22,02**	**80,46**

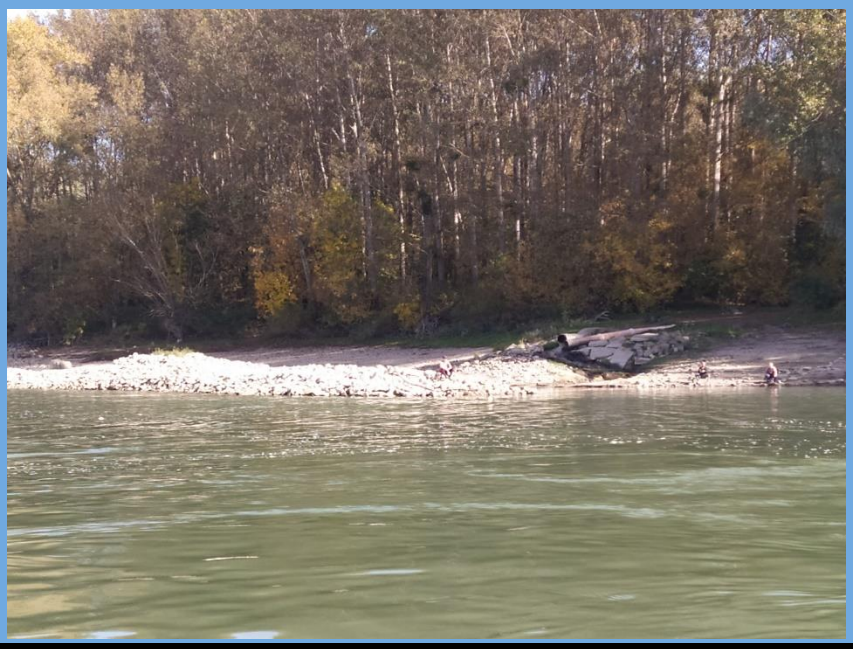
Existing documentation

- CADASTRE MARK **1399/13**
- CADASTRE PAGE **2/7**

Location of the infrastructure



Picture of the infrastructure



Analysis

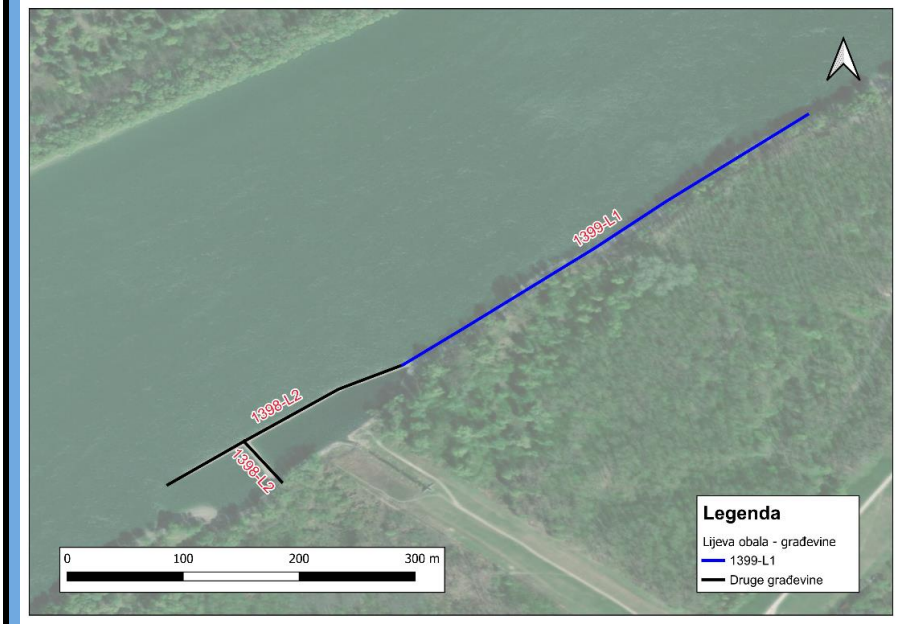
- Infrastructure is in bad condition.
- Effect of material deposition failed (upstream, downstream).
- Irregular geometry of the structure. Partially effect of material deposition upstream and downstream visible. It is located upstream from revetment 1400-L2.

33. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1399-L1	**Revetment**	**1399+658 do 1399+155**	**465,62**	**78,77**

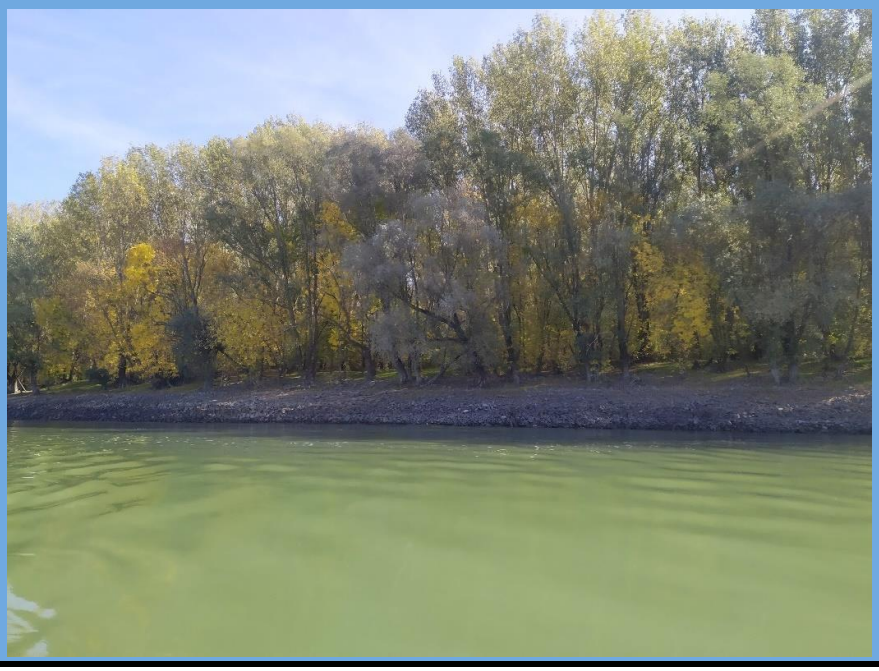
Existing documentation

- CADASTRE MARK **1399/11**
- CADASTRE PAGE **2/8**

Location of the infrastructure



Picture of the infrastructure



Analysis

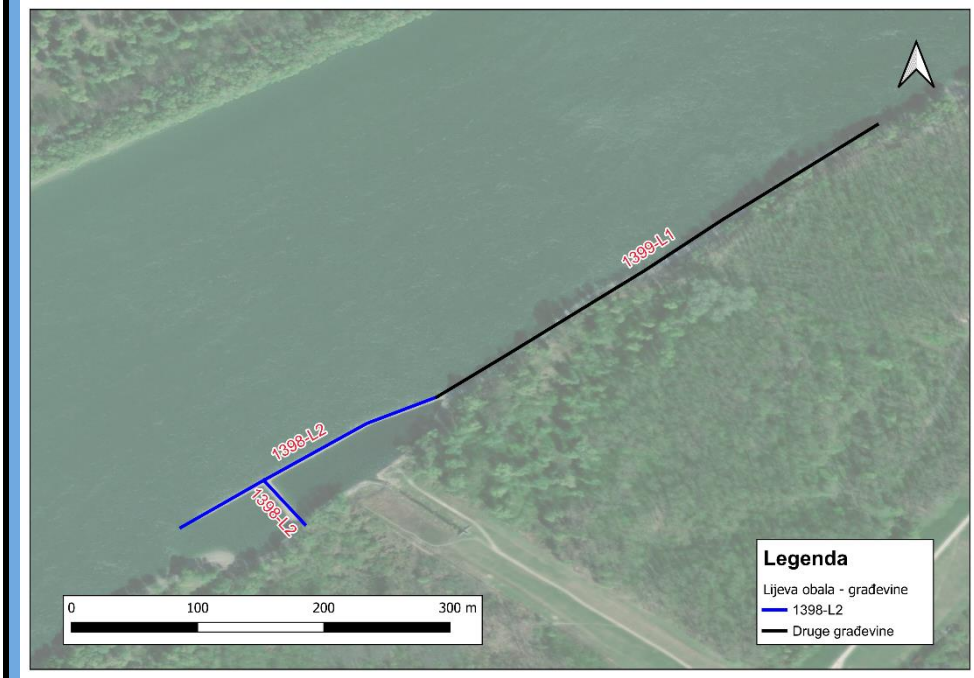
- Infrastructure is in good condition.
- River bank erosion protection ongoing at low water levels.
- Stone revetment. Vegetation present above the infrastructure. Visible material revetment.

34. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1398-L2	**Parallel structure**	**1399+155 do 1398+889**	**251,53**	**80,06**

Existing documentation

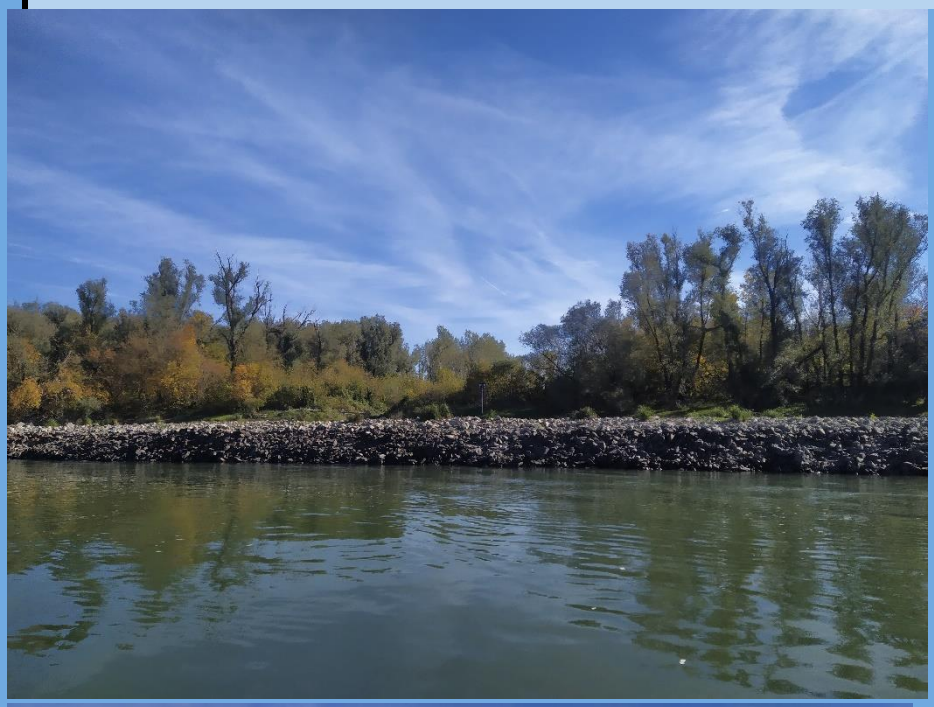
- CADASTRE MARK **1398/12**
- CADASTRE PAGE **2/8**

Location of the infrastructure



Picture of the infrastructure

34. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1398-L2	**Parallel structure**	**1399+155 do 1398+889**	**251,53**	**80,06**



Analysis

- Infrastructure is in excellent condition.
- Effect of material deposition ongoing (downstream).
- Continuing on the revetment 1399-L1. Parallel structure material visible. Vegetation present on the groyne crown.

35. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1398-L1	**T-groyne**	**1398+518**	**138,45**	**80,12**

Existing documentation

- CADASTRE MARK **1398/11**
- CADASTRE PAGE **2/8**

Location of the infrastructure

Picture of the infrastructure

35. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1398-L1	**T-groyne**	**1398+518**	**138,45**	**80,12**

Analysis

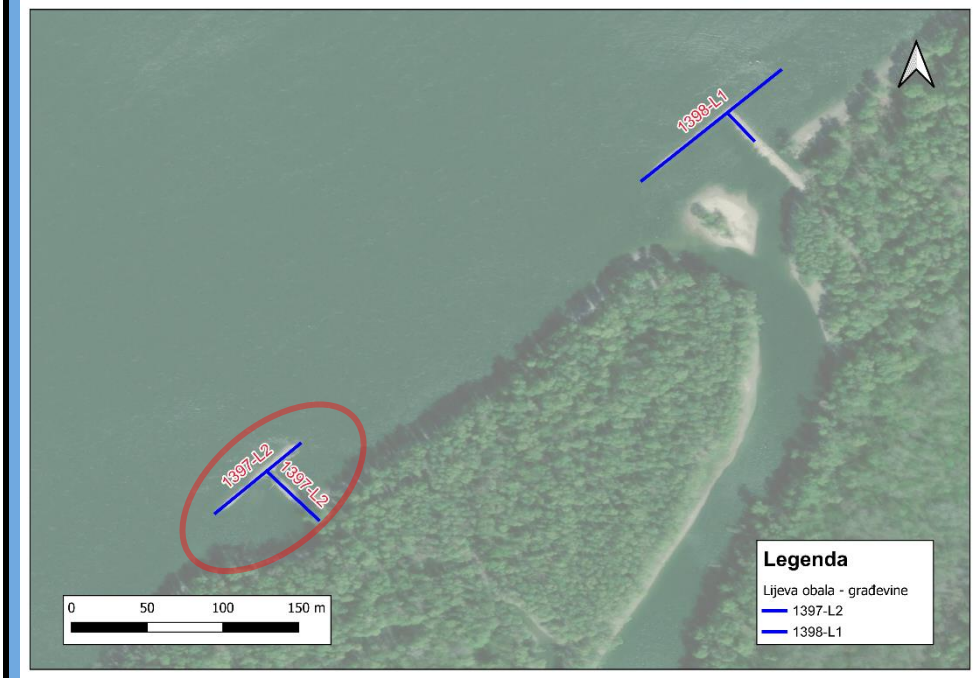
- Infrastructure is in good condition.
- Effect of material deposition ongoing (upstream, downstream).
- Groyne connection, head material and starting effect of material deposition upstream and downstream visible. On the groyne connection downstream visible lack of stone below groyne crown.

36. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1397-L2	**T-groyne**	**1397+970**	**85,97**	**80,59**

Existing documentation

- CADASTRE MARK **1397/12**
- CADASTRE PAGE **2/8**

Location of the infrastructure



Picture of the infrastructure

36. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1397-L2	**T-groyne**	**1397+970**	**85,97**	**80,59**

Analysis

- Infrastructure is in good condition.
- Effect of material deposition ongoing (upstream, downstream).
- Groyne connection, head material and starting effect of material deposition upstream and downstream visible. Fallen trees present on the groyne crown connection.

37. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1397-L1	**T-groyne**	**1397+362**	**91,82**	**80,34**

Existing documentation

- CADASTRE MARK **1397/11**
- CADASTRE PAGE **2/8**

Location of the infrastructure

Picture of the infrastructure

37. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1397-L1	**T-groyne**	**1397+362**	**91,82**	**80,34**

Analysis

- Infrastructure is in good condition.
- Effect of material deposition ongoing (upstream, downstream).
- Groyne connection, head material and starting effect of material deposition upstream and downstream visible. On the groyne connection downstream visible lack of stone below groyne crown.

38. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1396-L1	**T-groyne**	**1396+824**	**91,36**	**78,71**

Existing documentation

- CADASTRE MARK **1396/12**
- CADASTRE PAGE **2/8**

Location of the infrastructure

Picture of the infrastructure

Analysis

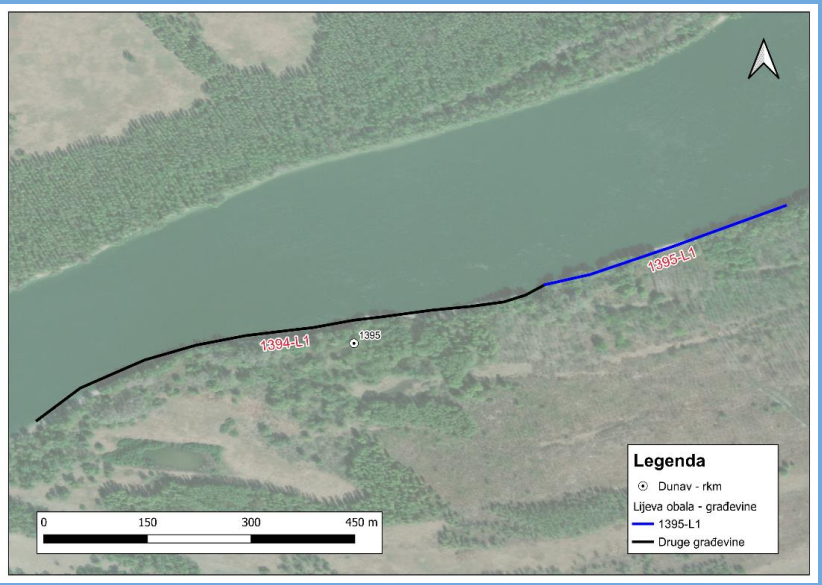
- Infrastructure is in good condition.
- Effect of material deposition finished (upstream, downstream).
- Groyne connection, head material and significantly effect of material deposition upstream and downstream visible. Trees present on the groyne crown connection.

39. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1395-L1	**Revetment**	**1395+615 do 1395+288**	**384,67**	**78,20**

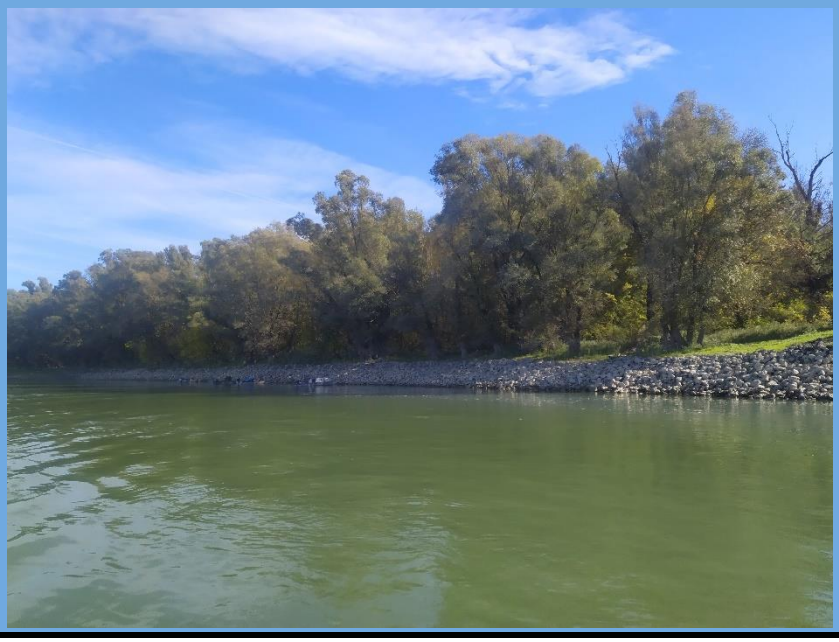
Existing documentation

- CADASTRE MARK **1395/13**
- CADASTRE PAGE **2/8** **2/9**

Location of the infrastructure



Picture of the infrastructure



Analysis

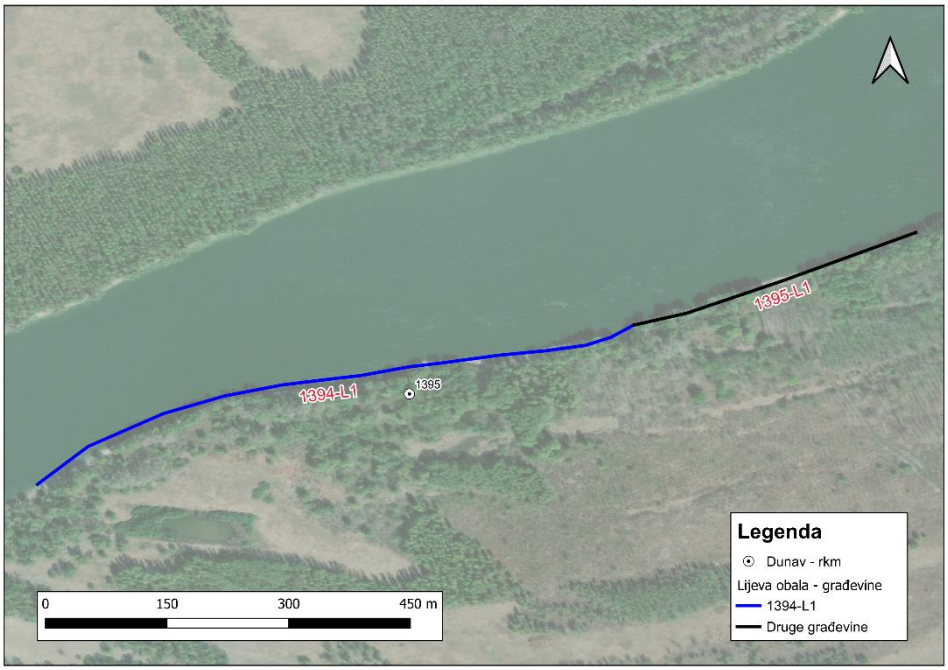
- Infrastructure is in good condition.
- River bank erosion protection ongoing at low water levels.
- Visible material revetment. Vegetation and trees present above the infrastructure.

40. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1394-L1	**Revetment**	**1395+288 do 1394+480**	**806,21**	**78,22**

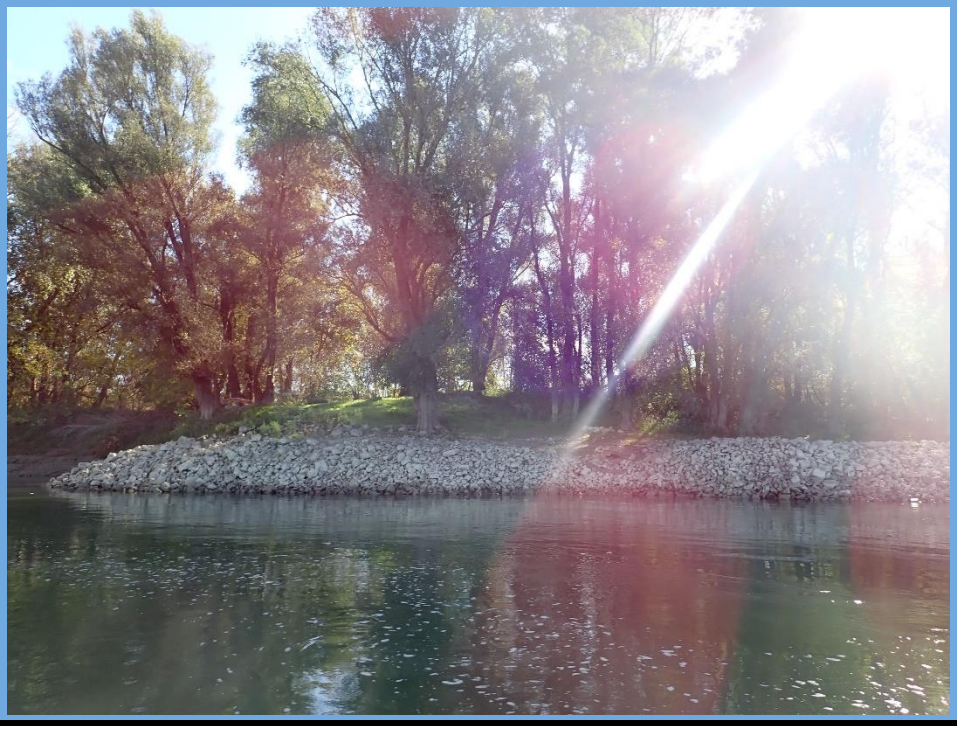
Existing documentation

- CADASTRE MARK **1394/11**
- CADASTRE PAGE **2/9**

Location of the infrastructure



Picture of the infrastructure



40. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1394-L1	**Revetment**	**1395+288 do 1394+480**	**806,21**	**78,22**

Analysis

- Infrastructure is in good condition.
- River bank erosion protection ongoing at low water levels.
- Visible material revetment. Vegetation and trees present above the infrastructure.

41. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1389-L1	**Parallel structure**	**1390+052 do 1389+761**	**427,78**	**78,73**

Existing documentation

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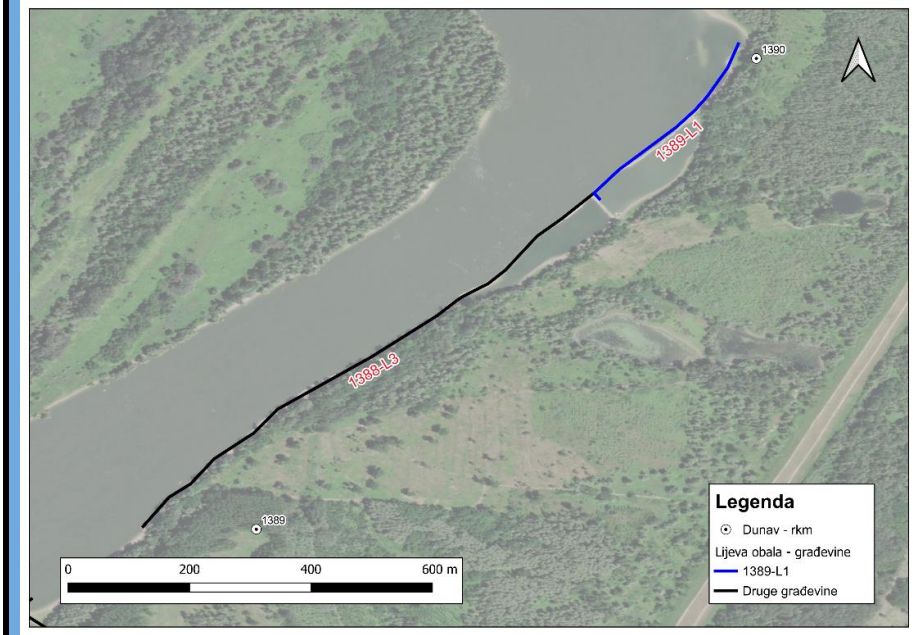
Location of the infrastructure



Picture of the infrastructure

41. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1389-L1	**Parallel structure**	**1390+052 do 1389+761**	**427,78**	**78,73**

Analysis

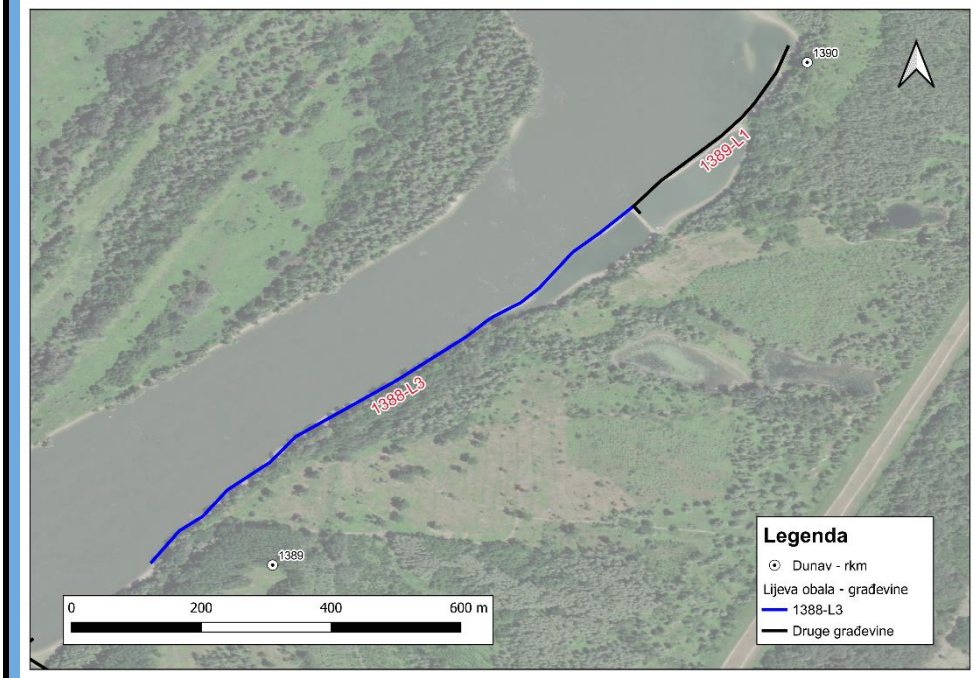
- Infrastructure is in good condition.
- River bank protection from erosion ongoing at low water levels.
- Parallel structure material visible. Vegetation and trees present above the infrastructure. Starting downstream of the revetment 1388-L3.

42. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1388-L3	**Revetment**	**1389+761 do 1388+890**	**1086,96**	**79,62**

Existing documentation

- CADASTRE MARK **1390/11**
- CADASTRE PAGE **2/9** **2/10**

Location of the infrastructure



Picture of the infrastructure

42. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1388-L3	**Revetment**	**1389+761 do 1388+890**	**1086,96**	**79,62**

Analysis

- Infrastructure is in good condition.
- River bank erosion protection ongoing at low water levels.
- Begins at rkm 1390. Material of the structure and two groynes are visible g. Observed backfilling from the body of the building towards the shore. Effect of material deposition ongoing.

43. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1388-L2	**T-groyne**	**1388+731**	**136,16**	**80,20**

Existing documentation

- CADASTRE MARK
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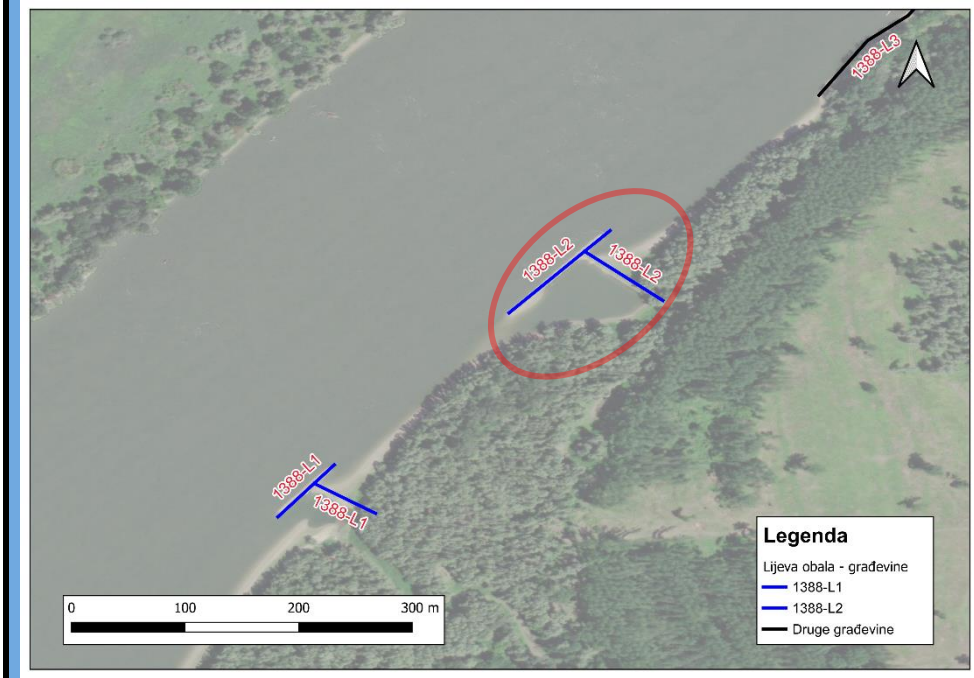
- CADASTRE PAGE
  It is not visible in „Cadastre“

Location of the infrastructure



Picture of the infrastructure

43. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1388-L2	**T-groyne**	**1388+731**	**136,16**	**80,20**

Analysis

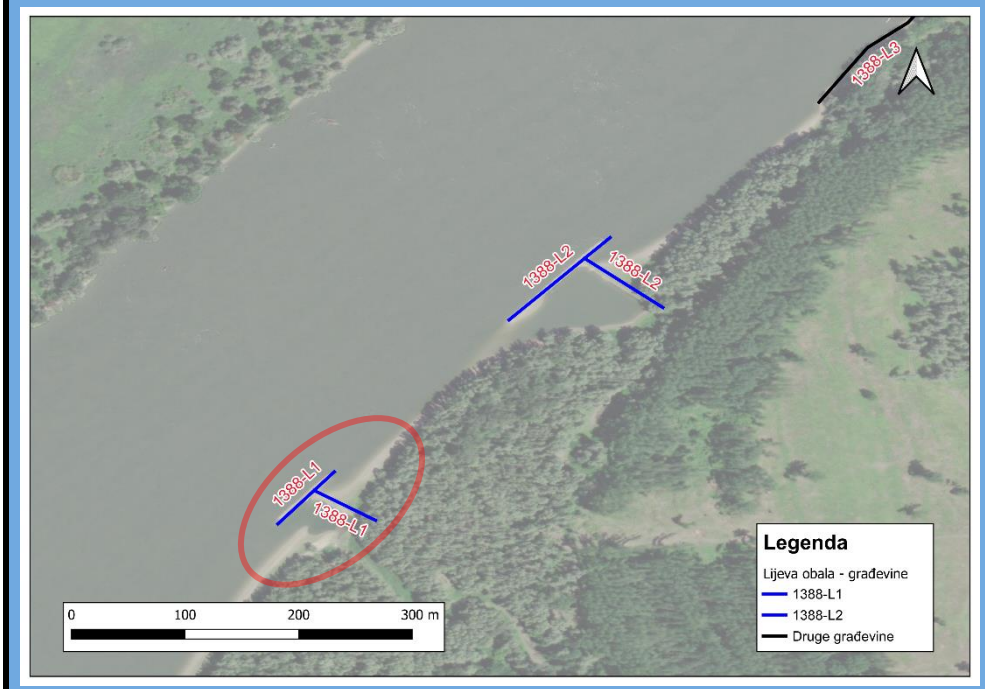
- Infrastructure is in excellent condition.
- Effect of material deposition ongoing (upstream, downstream).
- T-groyne, groyne connection, head material and effect of material deposition upstream and downstream visible.

44. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1388-L1	**T-groyne**	**1388+376**	**82,18**	**80,20**

Existing documentation

- CADASTRE MARK **1388/11**
- CADASTRE PAGE **2/10**

Location of the infrastructure



Picture of the infrastructure

44. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1388-L1	**T-groyne**	**1388+376**	**82,18**	**80,20**

Analysis

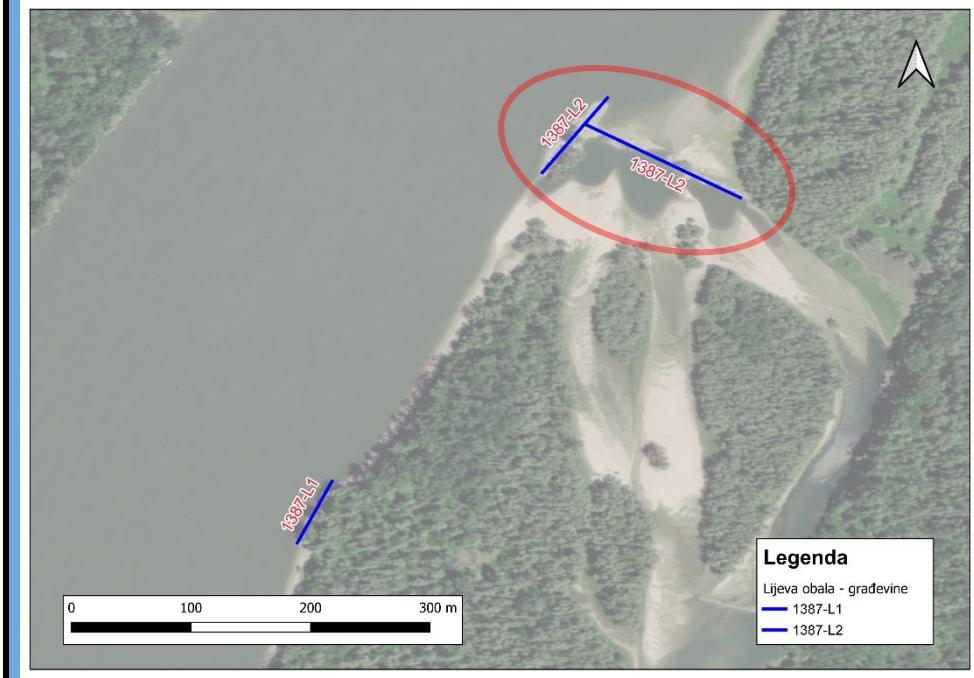
- Infrastructure is in excellent condition.
- Effect of material deposition ongoing (upstream, downstream).
- T-groyne, groyne connection, head material and effect of material deposition upstream and downstream visible.

45. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1387-L2	**T-groyne**	**1387+888**	**104,24**	**80,14**

Existing documentation

- CADASTRE MARK **1387/12**
- CADASTRE PAGE **2/10**

Location of the infrastructure



Picture of the infrastructure

45. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1387-L2	**T-groyne**	**1387+888**	**104,24**	**80,14**

Analysis

- Infrastructure is in good condition.
- Effect of material deposition ongoing (upstream, downstream).
- T-groyne, groyne connection, head material and effect of material deposition upstream and downstream visible. Vegetation present on the crown of the infrastructure.

46. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1387-L1	**Revetment**	**1387+428 do 1387+353**	**78,55**	**77,96**

Existing documentation

- CADASTRE MARK
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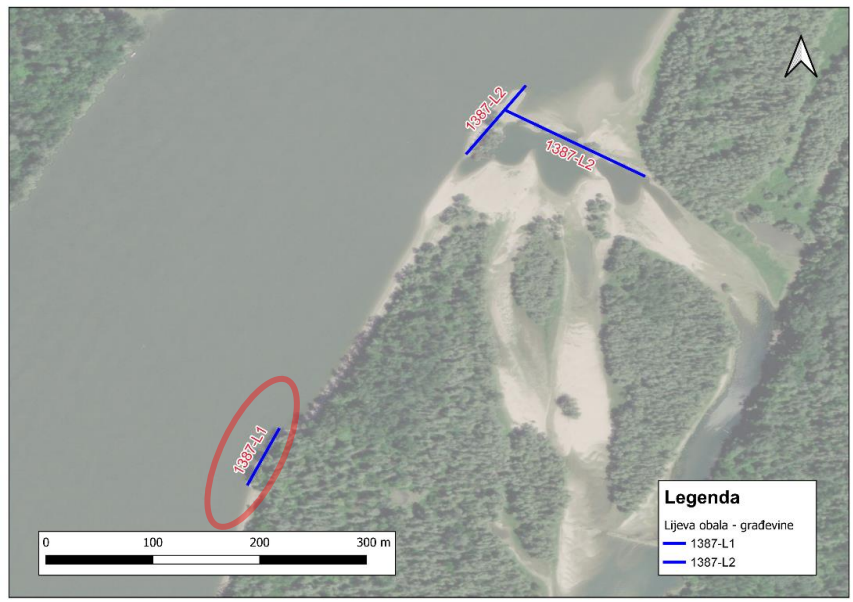
- CADASTRE PAGE
  It is not visible in „Cadastre“

Location of the infrastructure



Picture of the infrastructure

Analysis

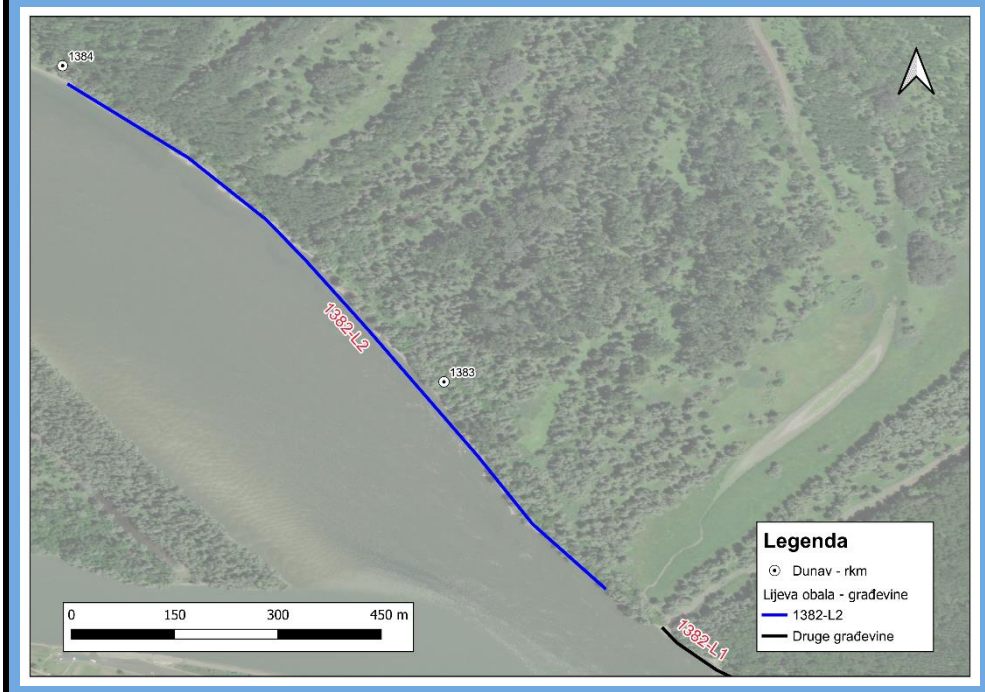
- Infrastructure is in good condition.
- River bank erosion protection ongoing at medium water levels.
- Stone revetment. Visible material revetment. Vegetation and trees present above the infrastructure.

47. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1382-L2	**Revetment**	**1383+971 do 1382+473**	**1309,07**	**78,10**

Existing documentation

- CADASTRE MARK
  1383/12
  1383/11
- CADASTRE PAGE
  2/11

Location of the infrastructure



Picture of the infrastructure

47. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1382-L2	**Revetment**	**1383+971 do 1382+473**	**1309,07**	**78,10**

Analysis

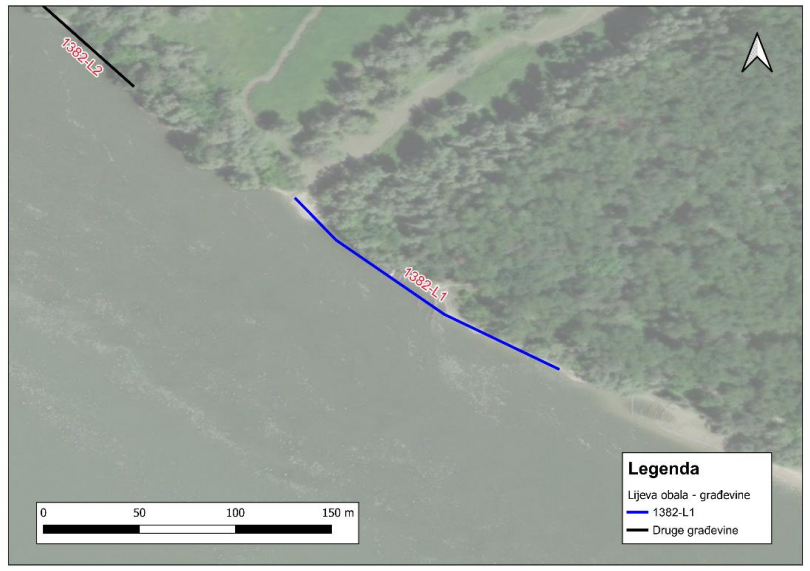
- Infrastructure is in bad condition.
- River bank erosion protection failed.
- Stone revetment. River bank erosion behind revetment present. Visible material revetment at low water levels. Revetment in continuity.

48. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1382-L1	**Imported fill**	**1382+344 do 1382+148**	**187,67**	**83,18**

Existing documentation

- CADASTRE MARK **1382/11**
- CADASTRE PAGE **2/1**

Location of the infrastructure



Picture of the infrastructure

Analysis

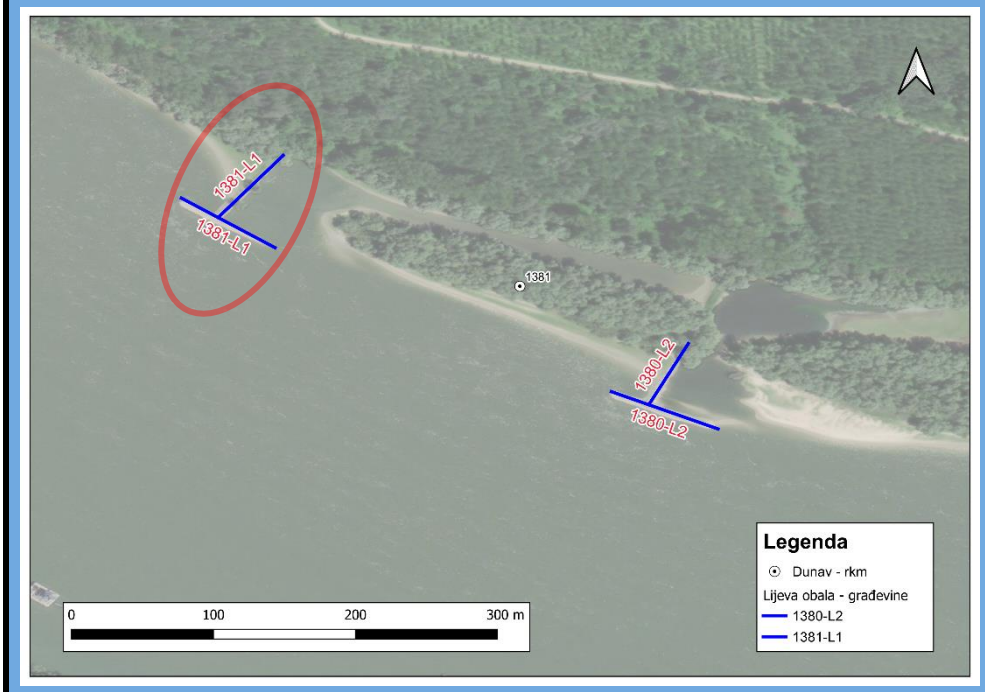
- Infrastructure is in satisfying condition.
- Barrier on backwater flow failed at low water level.
- Visible material revetment along the slope downstream. Vegetation above the revetment. On the upstream part of the infrastructure, revetment material is not visible.

49. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1381-L1	**T-groyne**	**1381+241**	**82,61**	**79,67**

Existing documentation

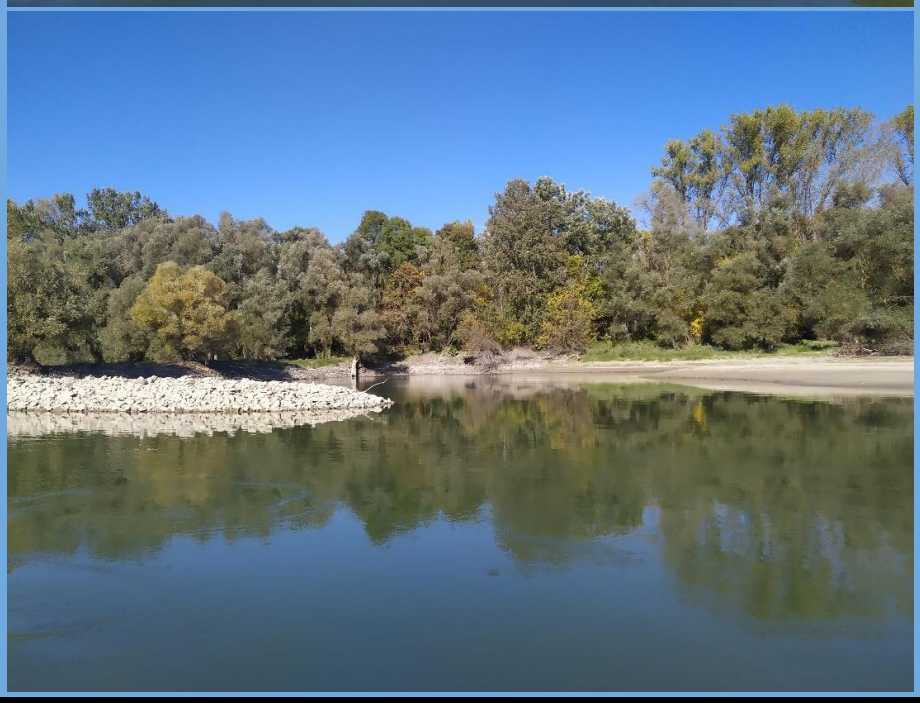
- CADASTRE MARK **1381/11**
- CADASTRE PAGE **2/1**

Location of the infrastructure



Picture of the infrastructure

49. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1381-L1	**T-groyne**	**1381+241**	**82,61**	**79,67**



Analysis

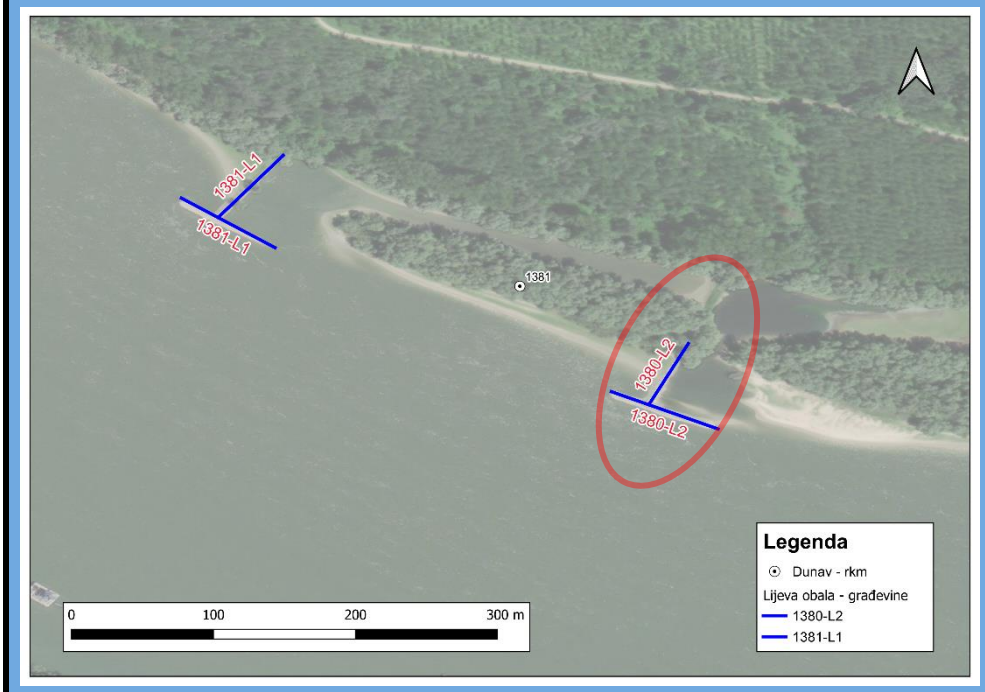
- Infrastructure is in excellent condition.
- Effect of material deposition ongoing (upstream, downstream).
- Groyne connection, head material and effect of material deposition upstream and downstream visible. Trees present on the groyne crown connection.

50. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1380-L2	**T-groyne**	**1380+837**	**84,03**	**79,89**

Existing documentation

- CADASTRE MARK **1380/12**
- CADASTRE PAGE **2/1**

Location of the infrastructure



Picture of the infrastructure

50. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1380-L2	**T-groyne**	**1380+837**	**84,03**	**79,89**

Analysis

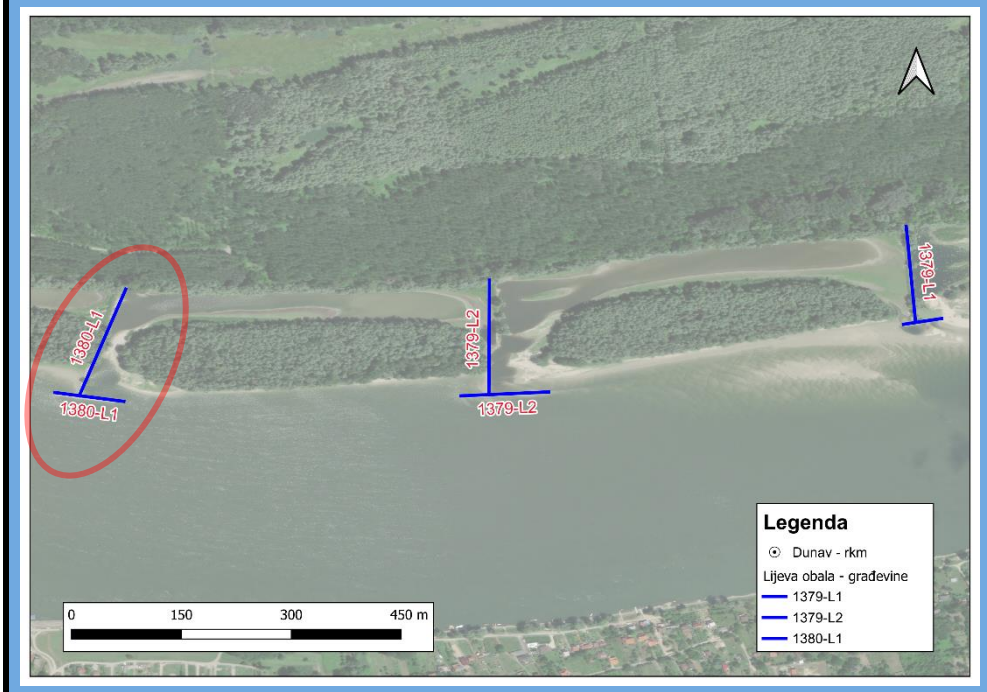
- Infrastructure is in excellent condition.
- Effect of material deposition ongoing (upstream, downstream).
- Groyne connection and head material visible. Starting effect of material deposition upstream. Downstream effect of material deposition finished.

51. Left bank	***Type:***	***Chainage (r.km)***	***Length (m)***	***Crown elevation (m.a.s.l.)***
1380-L1	**T-groyne**	**1380+199**	**95,57**	**79,87**

Existing documentation

- CADASTRE MARK **1380/11**
- CADASTRE PAGE **2/2**

Location of the infrastructure



Picture of the infrastructure

51. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1380-L1	**T-groyne**	**1380+199**	**95,57**	**79,87**

Analysis

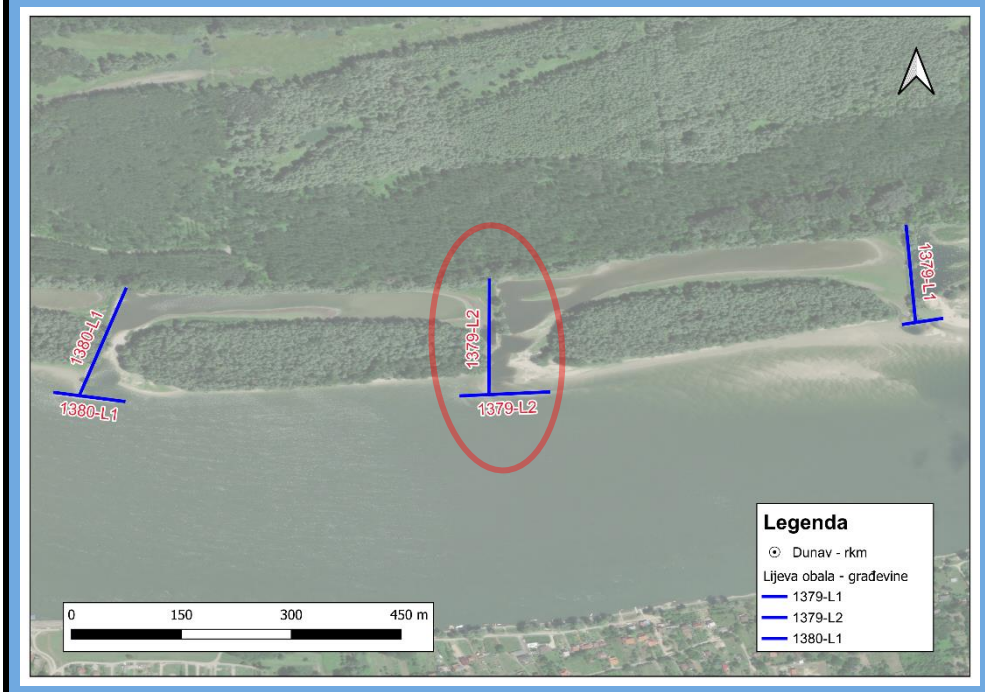
- Infrastructure is in excellent condition.
- Effect of material deposition ongoing (upstream, downstream).
- Groyne connection, head material and starting effect of material deposition upstream and downstream visible. Trees present on the groyne crown connection.

52. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1379-L2	**T-groyne**	**1379+588**	**119,68**	**79,74**

Existing documentation

- CADASTRE MARK **1379/12**
- CADASTRE PAGE **2/2**

Location of the infrastructure



Picture of the infrastructure

52. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1379-L2	**T-groyne**	**1379+588**	**119,68**	**79,74**

Analysis

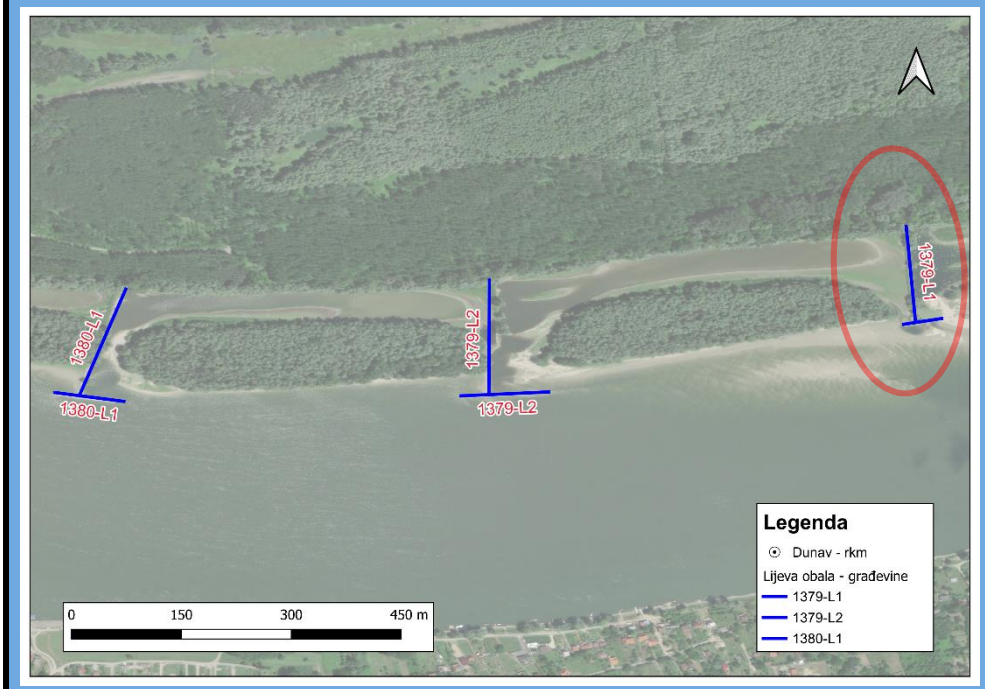
- Infrastructure is in good condition.
- Effect of material deposition ongoing (upstream, downstream).
- Groyne connection and head material visible. Visible deformation of the part of groyne head upstream. Starting effect of material deposition upstream. Downstream effect of material deposition finished.

53. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1379-L1	**T-groyne**	**1379+058**	**53,27**	**79,67**

Existing documentation

- CADASTRE MARK **1379/11**
- CADASTRE PAGE **2/2**

Location of the infrastructure



Picture of the infrastructure

53. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1379-L1	**T-groyne**	**1379+058**	**53,27**	**79,67**

Analysis

- Infrastructure is in satisfying condition.
- Effect of material deposition finished (upstream, downstream).
- Groyne head material and effect of material deposition upstream and downstream visible. Trees present on the groyne crown connection.

54. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1374-L1	**Revetment**	**1374+911 do 1374+031**	**976,28**	**79,71**

Existing documentation

- CADASTRE MARK **1375/11**
- CADASTRE PAGE **2/3**

Location of the infrastructure

Picture of the infrastructure

54. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1374-L1	**Revetment**	**1374+911 do 1374+031**	**976,28**	**79,71**

Analysis

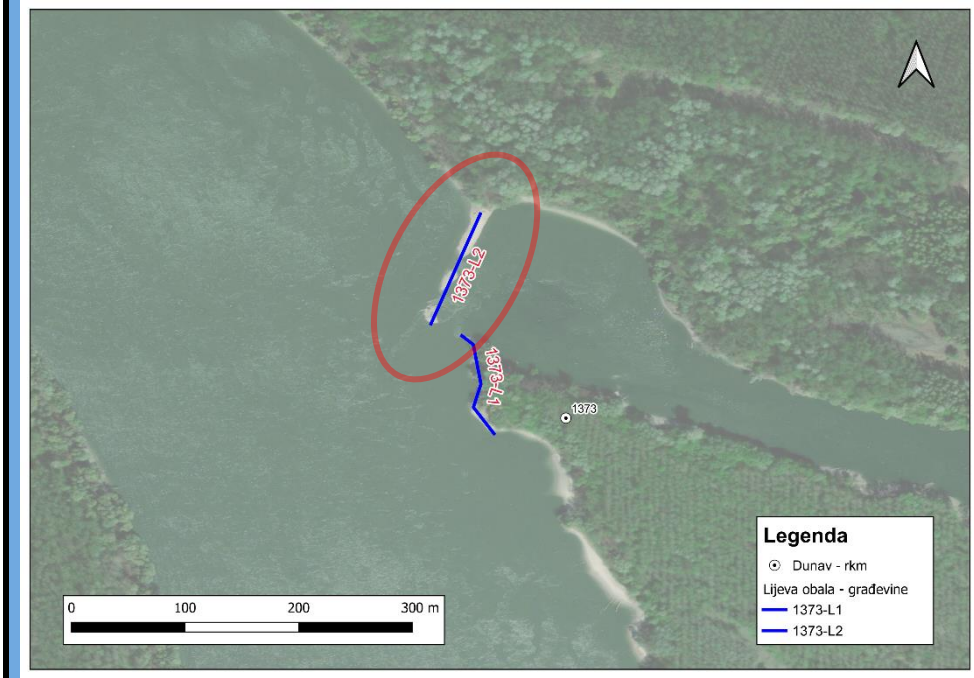
- Infrastructure is in bad condition.
- River bank erosion protection failed.
- Stone revetment. River bank erosion behind revetment present. Visible material revetment at low water levels from the river side.

55. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1373-L2	**Barrier**	**1373+269 do 1373+839**	**144,36**	**80,11**

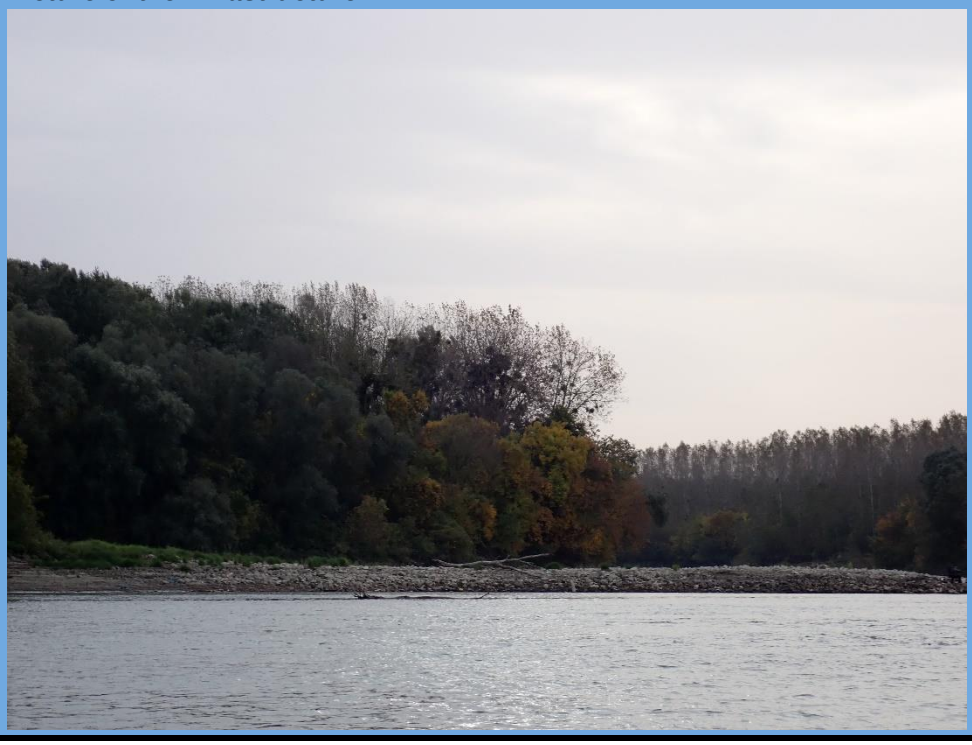
Existing documentation

- CADASTRE MARK **1373/10**
- CADASTRE PAGE **2/3**

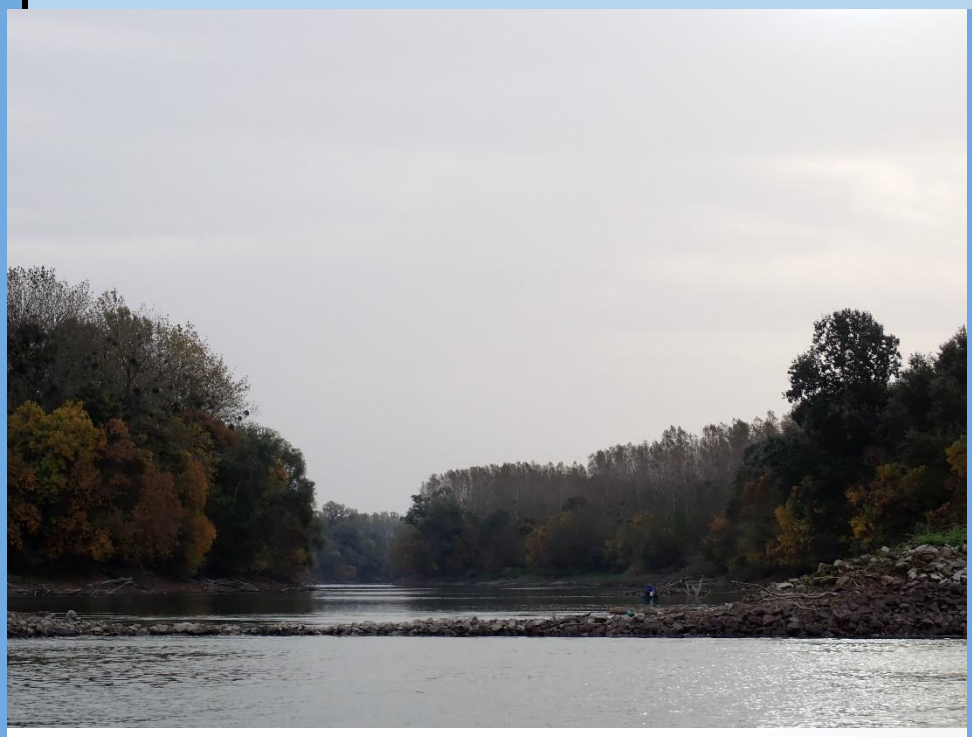
Location of the infrastructure



Picture of the infrastructure



55. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1373-L2	**Barrier**	**1373+269 do 1373+839**	**144,36**	**80,11**



Analysis

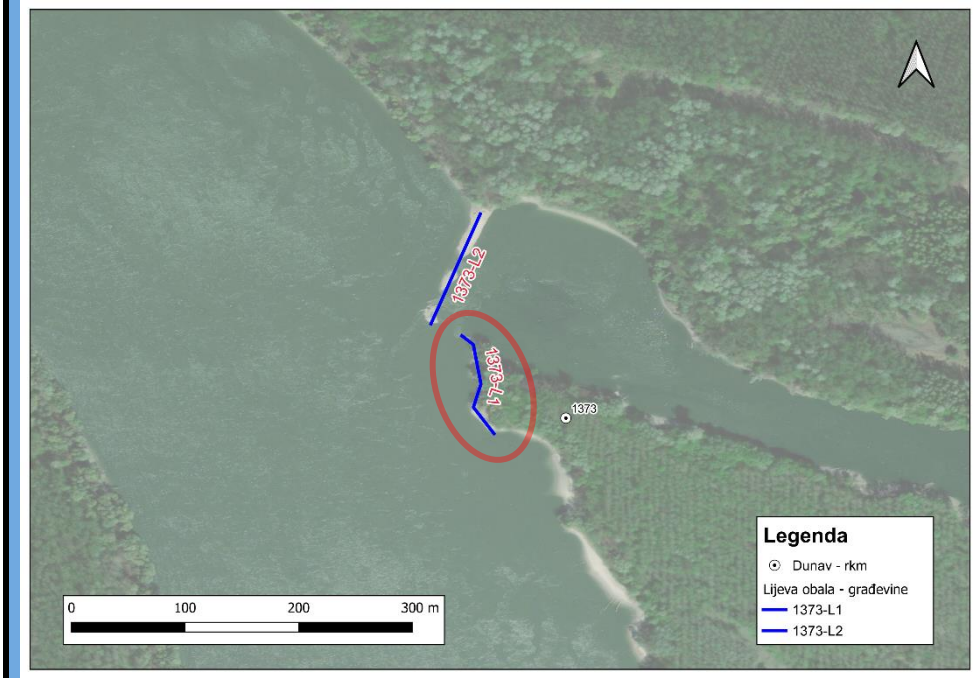
- Infrastructure is in bad condition.
- Barrier on backwater flow failed at low water level.
- Barrier material visible. Irregular geometry of the structure. Downstream open barrier.

56. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1373-L1	**Revetment**	**1373+137 do 1373+000**	**132,41**	**77,37**

Existing documentation

- CADASTRE MARK **1372/11**
- CADASTRE PAGE **2/3**

Location of the infrastructure



Picture of the infrastructure

56. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1373-L1	**Revetment**	**1373+137 do 1373+000**	**132,41**	**77,37**

Analysis

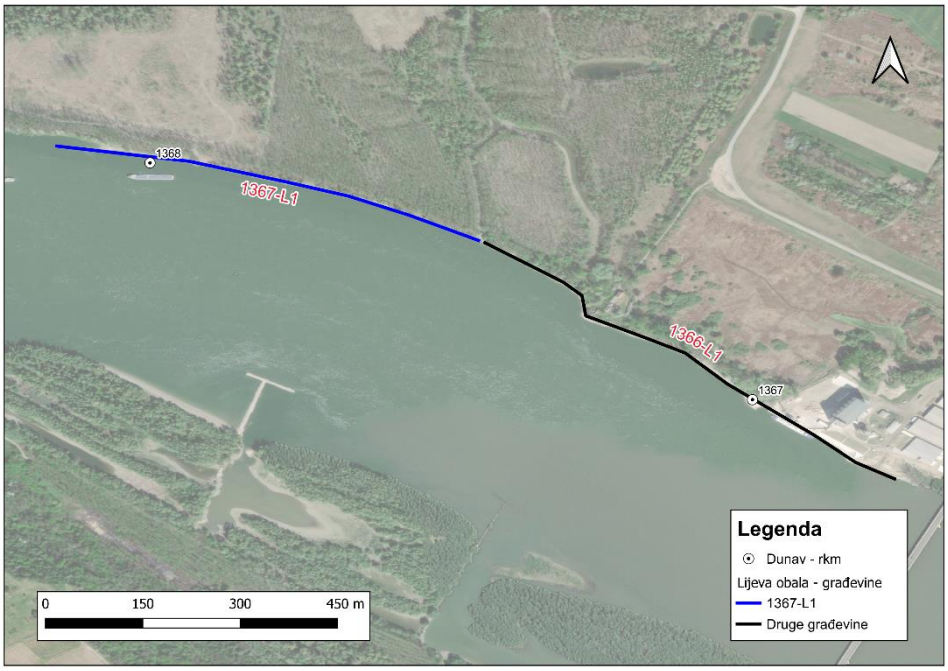
- Infrastructure is in satisfying condition.
- River bank erosion protection ongoing at medium water levels.
- Stone revetment. Visible parts of material revetment upstream.

57. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1367-L1	**Revetment**	**1368+135 do 1367+521**	**686,66**	**77,34**

Existing documentation

- CADASTRE MARK **1367/11**
- CADASTRE PAGE **2/4**

Location of the infrastructure



Picture of the infrastructure

57. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1367-L1	**Revetment**	**1368+135 do 1367+521**	**686,66**	**77,34**

Analysis

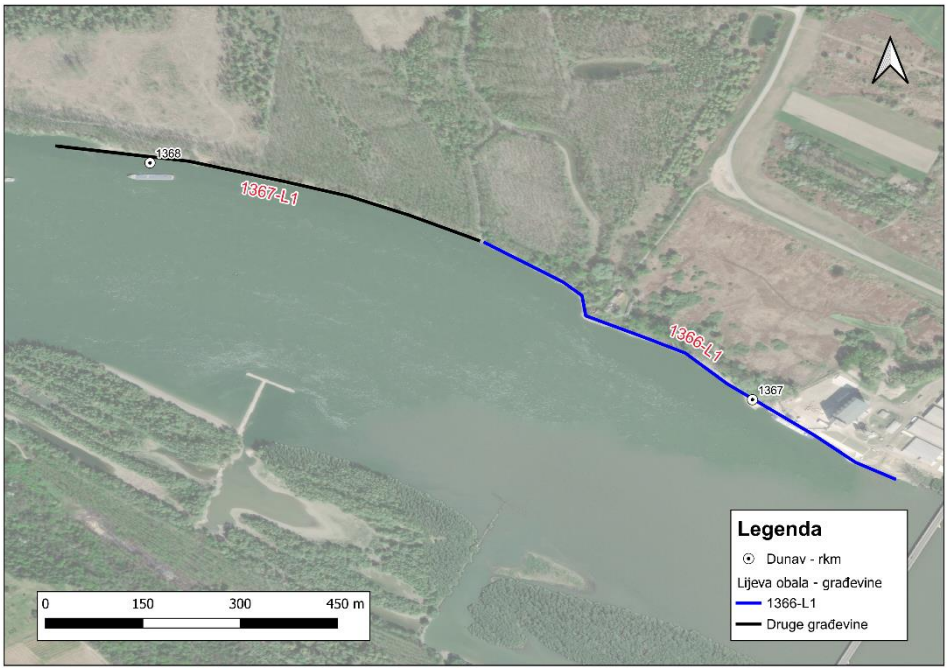
- Infrastructure is in bad condition.
- River bank erosion protection failed.
- Stone revetment. River bank erosion behind revetment present. Visible material revetment at low water levels from the river side.

58. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1366-L1	**Revetment**	**1367+510 do 1366+727**	**834,08**	**77,28**

Existing documentation

- CADASTRE MARK **1366/12**
- CADASTRE PAGE **2/4**

Location of the infrastructure



Picture of the infrastructure

58. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1366-L1	**Revetment**	**1367+510 do 1366+727**	**834,08**	**77,28**

Analysis

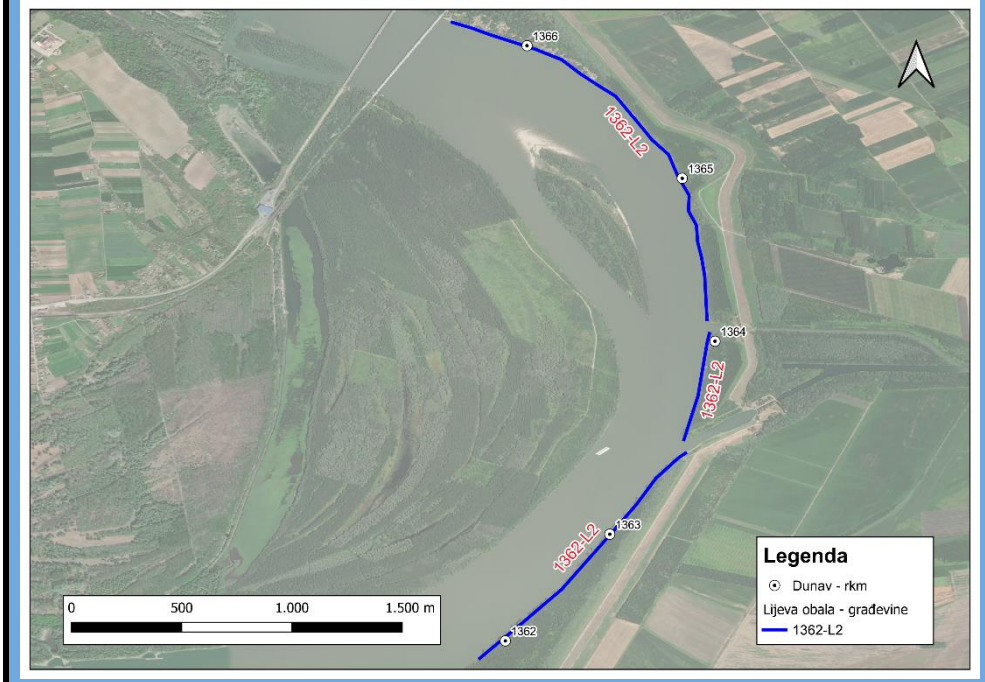
- Infrastructure is in good condition.
- River bank erosion protection ongoing at high water levels.
- Stone revetment. Visible material revetment. Vegetation and trees present above the infrastructure. Downstream on the revetment operational plateau of the Port of Dunav-Bogojevo.

59. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1362-L2	**Revetment**	**1366+360 do 1361+862**	**4745,33**	**77,16**

Existing documentation

- CADASTRE MARK **1365/11**
- CADASTRE PAGE **2/4**

Location of the infrastructure



Picture of the infrastructure

59. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1362-L2	**Revetment**	**1366+360 do 1361+862**	**4745,33**	**77,16**

59. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1362-L2	**Revetment**	**1366+360 do 1361+862**	**4745,33**	**77,16**

Analysis

- Infrastructure is in bad condition.
- River bank erosion protection failed.
- Stone revetment. Irregular geometries of the structure. At the settlement of Bogojevo, concrete stairs were built along the slope of the revetment. At the floodgate on the Danube-Tisa-Danube canal, the revetment material is from stone blocks. Downstream of the floodgate partially visible material and vegetation above the structure.

60. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1361-L1	**T-groyne**	**1361+336**	**53,75**	**78,10**

Existing documentation

- CADASTRE MARK **1361/12**
- CADASTRE PAGE **2/5**

Location of the infrastructure

Picture of the infrastructure

60. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1361-L1	**T-groyne**	**1361+336**	**53,75**	**78,10**

Analysis

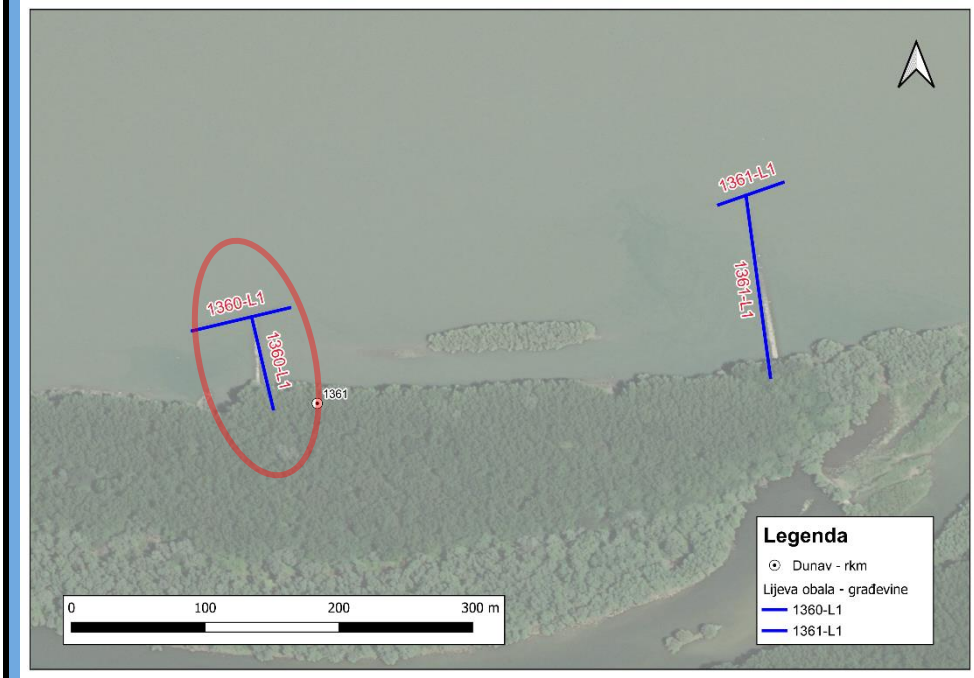
- Infrastructure is in good condition.
- Effect of material deposition ongoing (upstream, downstream).
- Groyne conection, head material and starting effect of material deposition upstream and downstream visible. On the groyne connection downstream visible lack of stone below groyne crown.

61. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1360-L1	**T-groyne**	**1360+978**	**76,75**	**78,72**

Existing documentation

- CADASTRE MARK **1361/11**
- CADASTRE PAGE **2/5**

Location of the infrastructure



Picture of the infrastructure

61. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1360-L1	**T-groyne**	**1360+978**	**76,75**	**78,72**

Analysis

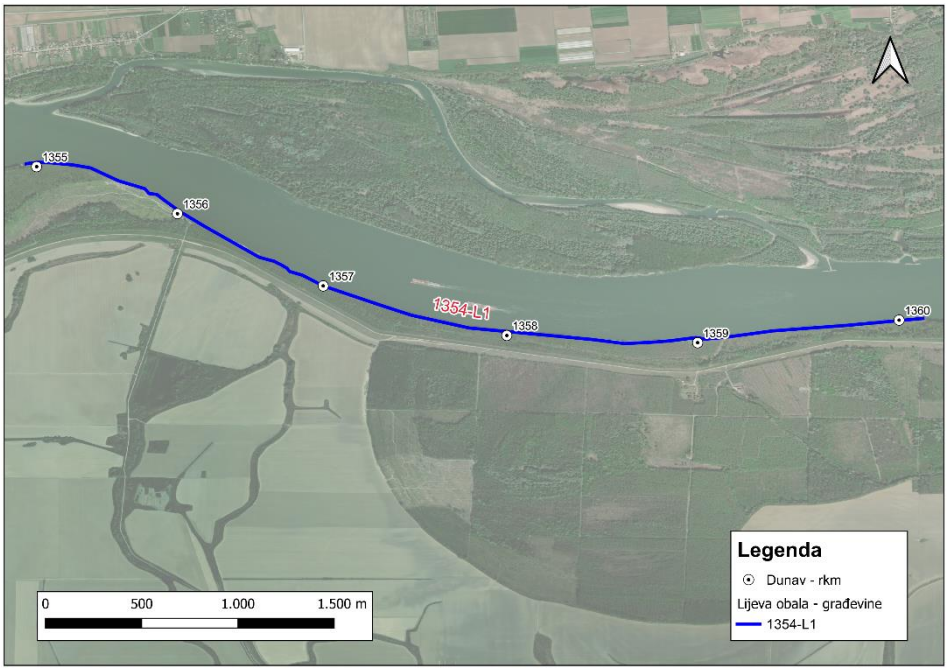
- Infrastructure is in good condition.
- Effect of material deposition ongoing (upstream, downstream).
- Groyne connection, head material and starting effect of material deposition upstream and downstream visible. On the groyne connection downstream visible lack of stone below groyne crown.

62. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1354-L1	**Revetment i Parallel structure**	**1360+121 do 1354+950**	**5051,73**	**77,19**

Existing documentation

- CADASTRE MARK **1358/13**
- CADASTRE PAGE **2/6**

Location of the infrastructure



Picture of the infrastructure

62. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1354-L1	**Revetment i Parallel structure**	**1360+121 do 1354+950**	**5051,73**	**77,19**

Analysis

- Infrastructure is in satisfying condition.
- River bank protection from erosion ongoing at low water levels. Effect of material deposition ongoing (upstream, downstream).
- Stone revetment. Visible material revetment. Above the structure vegetation and trees are present. Downstream of rkm 1355, the revetment is in bad conditions, river bank protection failed at low water levels. Visible parallel structure material. In continuity with the revetment.

63. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1349-L2	**T-groyne**	**1349+818**	**76,62**	**78,94**

Existing documentation

- CADASTRE MARK
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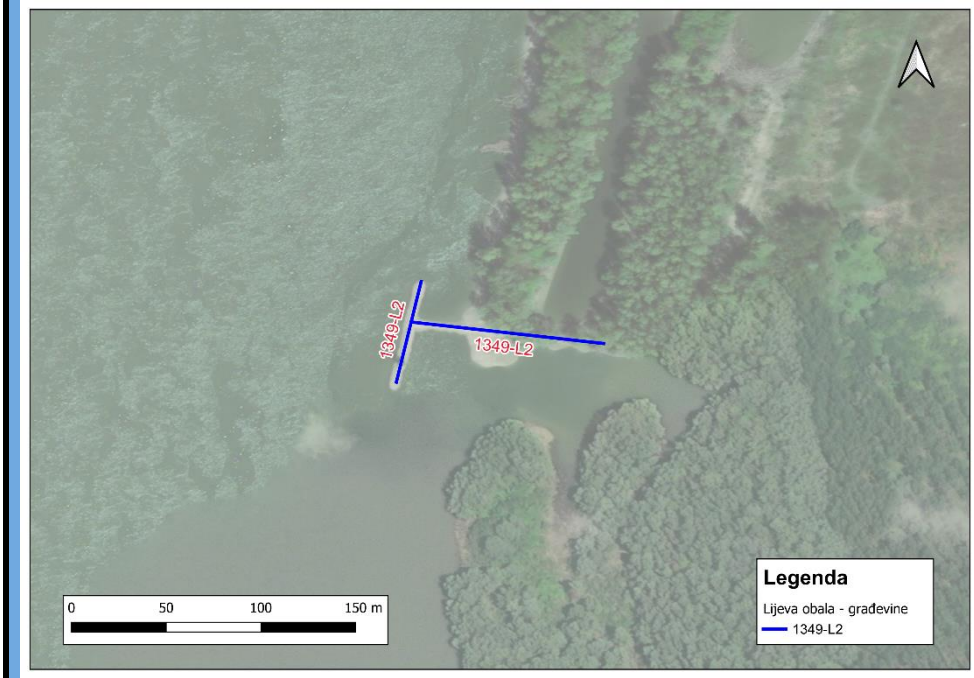
Location of the infrastructure



Picture of the infrastructure

63. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1349-L2	**T-groyne**	**1349+818**	**76,62**	**78,94**

Analysis

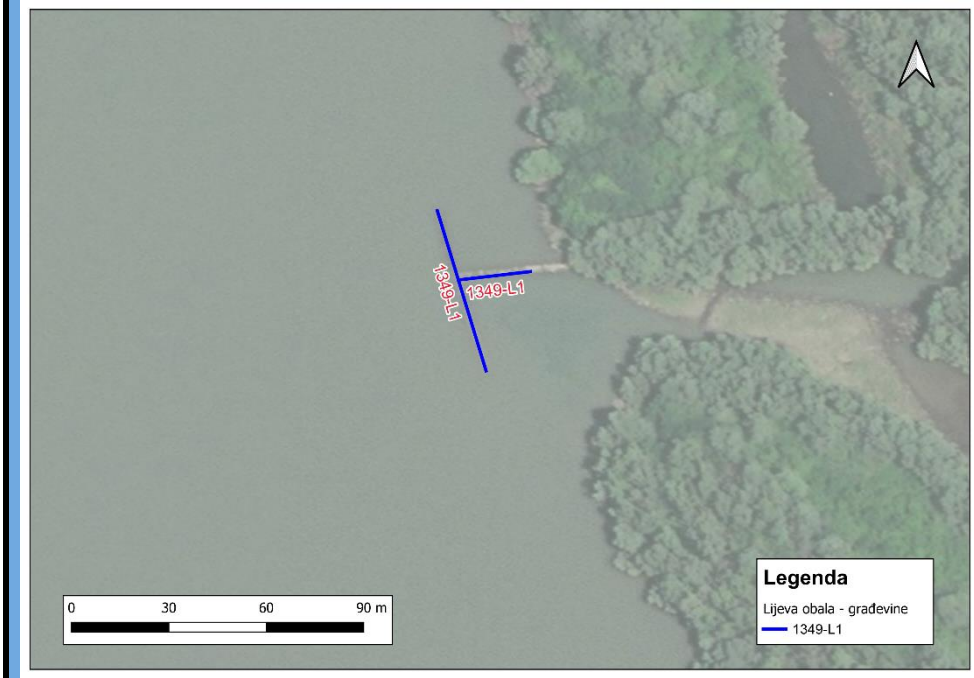
- Infrastructure is in good condition.
- Effect of material deposition ongoing (upstream, downstream).
- Groyne connection, head material and starting effect of material deposition upstream and downstream visible. On the groyne connection downstream visible lack of stone below groyne crown.

64. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1349-L1	**T-groyne**	**1349+183**	**71,64**	**79,20**

Existing documentation

- CADASTRE MARK **1349/12**
- CADASTRE PAGE **2/8**

Location of the infrastructure



Picture of the infrastructure

64. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1349-L1	**T-groyne**	**1349+183**	**71,64**	**79,20**

Analysis

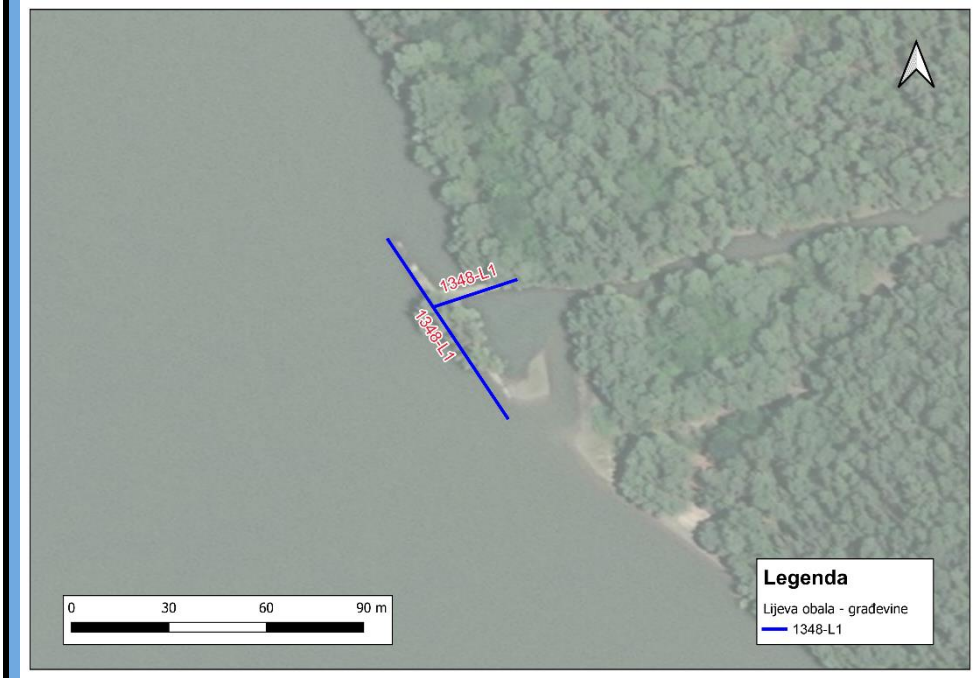
- Infrastructure is in good condition.
- Effect of material deposition ongoing (upstream, downstream).
- Groyne connection, head material and starting effect of material deposition upstream and downstream visible. Vegetation present on the groyne crown connection.

65. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1348-L1	**T-groyne**	**1348+577**	**86,19**	**79,05**

Existing documentation

- CADASTRE MARK **1349/11**
- CADASTRE PAGE **2/8**

Location of the infrastructure



Picture of the infrastructure

65. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1348-L1	**T-groyne**	**1348+577**	**86,19**	**79,05**

Analysis

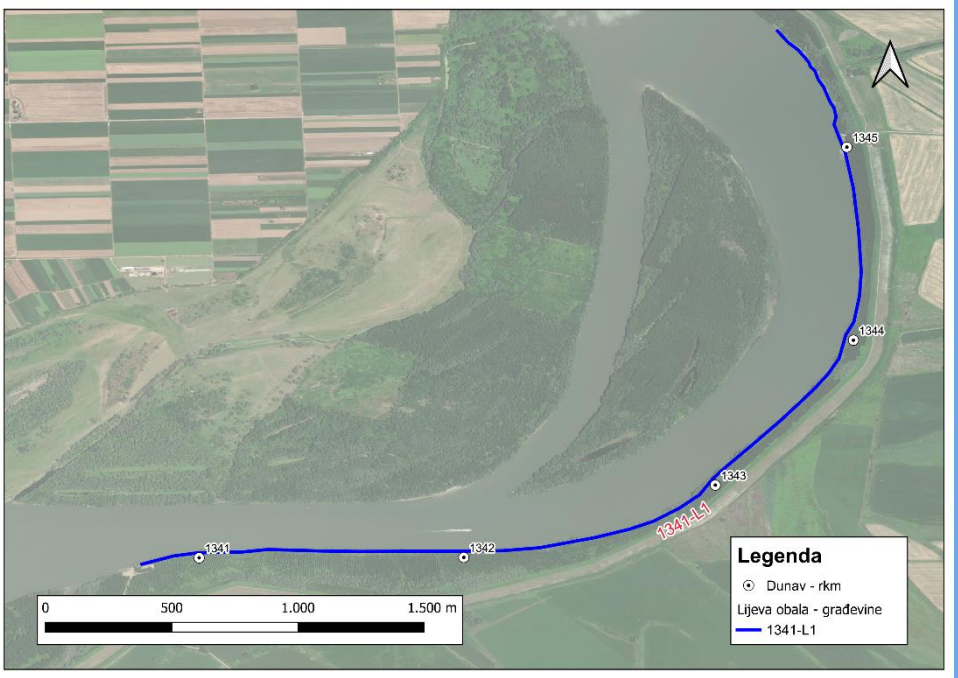
- Infrastructure is in good condition.
- Effect of material deposition ongoing (upstream, downstream).
- Groyne connection and head material visible. Starting effect of material deposition upstream. Downstream effect of material deposition finished. Trees present on the groyne crown connection and head.

66. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1341-L1	**Revetment**	**1345+622 do 1341+684**	**5170,32**	**77,31**

Existing documentation

- CADASTRE MARK **1342/11**
- CADASTRE PAGE **2/9**

Location of the infrastructure



Picture of the infrastructure

66. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1341-L1	**Revetment**	**1345+622 do 1341+684**	**5170,32**	**77,31**

Analysis

- Infrastructure is in excellent/bad condition.
- River bank erosion protection ongoing at medium water levels upstream from rkm 1345. Downstream from rkm 1345 river bank erosion protection failed.
- Upstream from rkm 1345, river bank erosion protection ongoing at medium water levels. Downstream from rkm 1345, the revetment is in bad condition, river bank erosion protection failed at low water levels.

67. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1323-L1	**Revetment**	**1327+677 do 1323+925**	**3725,07**	**76,66**

Existing documentation

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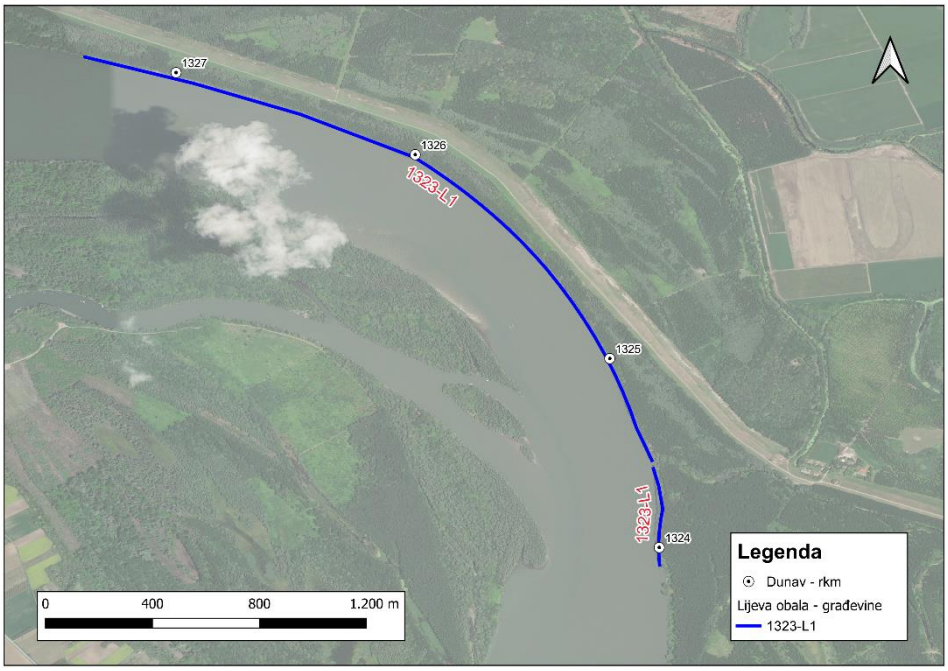
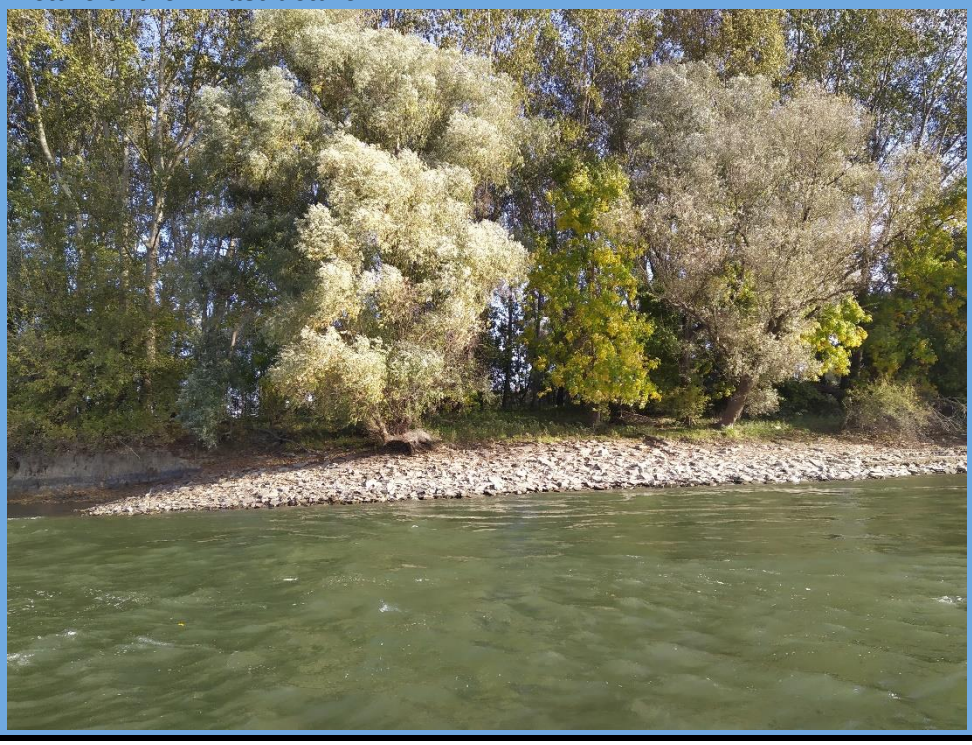
Location of the infrastructure



Picture of the infrastructure



67. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1323-L1	**Revetment**	**1327+677 do 1323+925**	**3725,07**	**76,66**

Analysis

- Infrastructure is in satisfying condition.
- River bank erosion protection ongoing at low water levels.
- Revetment material visible at low water levels on the river side. River bank erosion behind revetment present. Vegetation present above the infrastructure.

68. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1315-L1	**Revetment**	**1318+381 do 1315+187**	**3561,75**	**75,81**

Existing documentation

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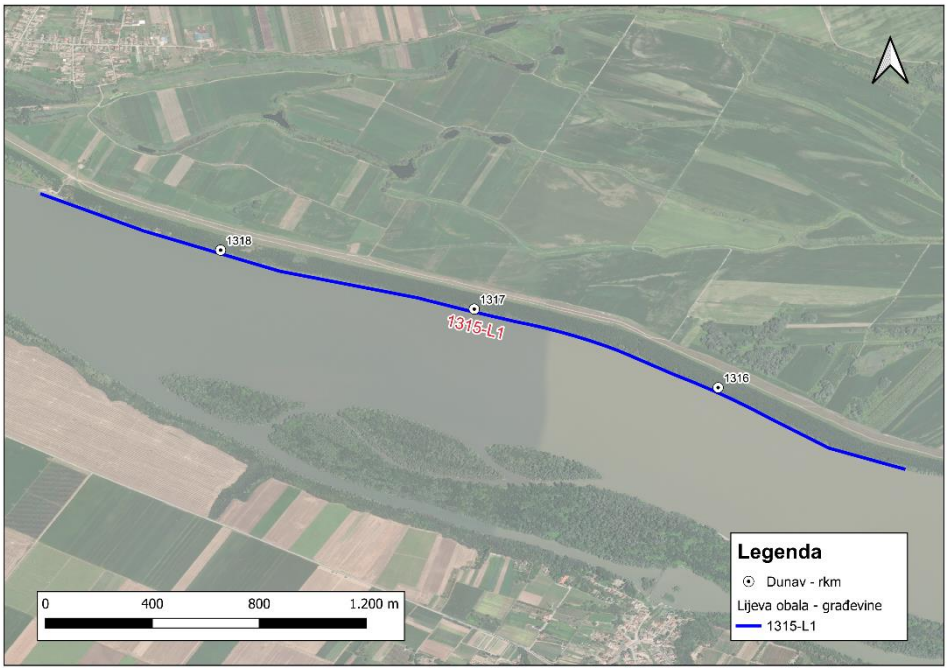
Location of the infrastructure



Picture of the infrastructure

68. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1315-L1	**Revetment**	**1318+381 do 1315+187**	**3561,75**	**75,81**

Analysis

- Infrastructure is in bad condition.
- River bank erosion protection failed.
- Stone revetment. Visible material revetment. Vegetation and trees present above the infrastructure.

69. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1308-L1	**Revetment**	**1309+840 do 1308+617**	**1468,76**	**75,55**

Existing documentation

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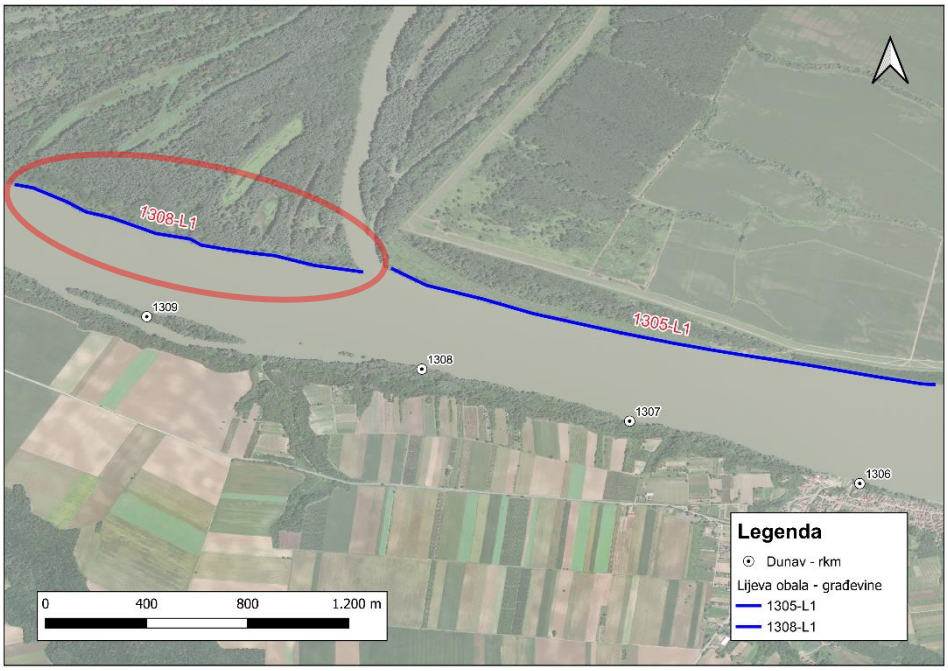
Location of the infrastructure



Picture of the infrastructure

69. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1308-L1	**Revetment**	**1309+840 do 1308+617**	**1468,76**	**75,55**

Analysis

- Infrastructure is in good condition.
- River bank erosion protection ongoing at low water levels.
- Stone revetment. Visible material revetment. Vegetation and trees present above the infrastructure.

70. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1305-L1	**Revetment**	**1308+282 do 1305+842**	**2249,99**	**75,39**

Existing documentation

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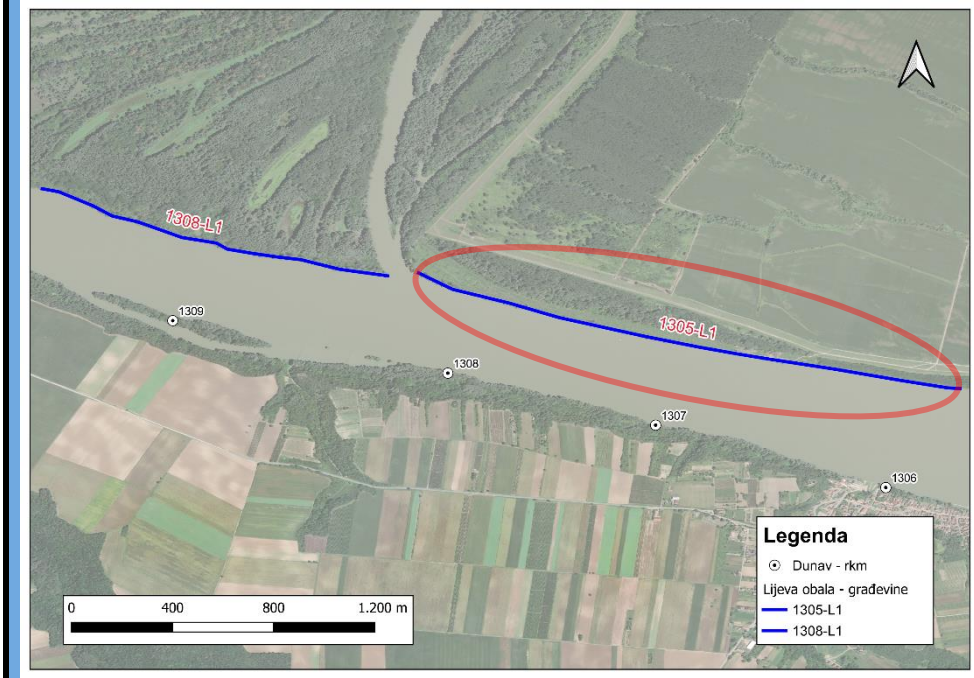
Location of the infrastructure



Picture of the infrastructure

70. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1305-L1	**Revetment**	**1308+282 do 1305+842**	**2249,99**	**75,39**

Analysis

- Infrastructure is in bad condition.
- River bank erosion protection failed.
- Stone revetment. Visible material revetment at low water levels. Part of the revetment is washed away, visible material behind from the river side.

71. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1300-L1	**Revetment**	**1300+805 do 1300+116**	**746,58**	**75,34**

Existing documentation

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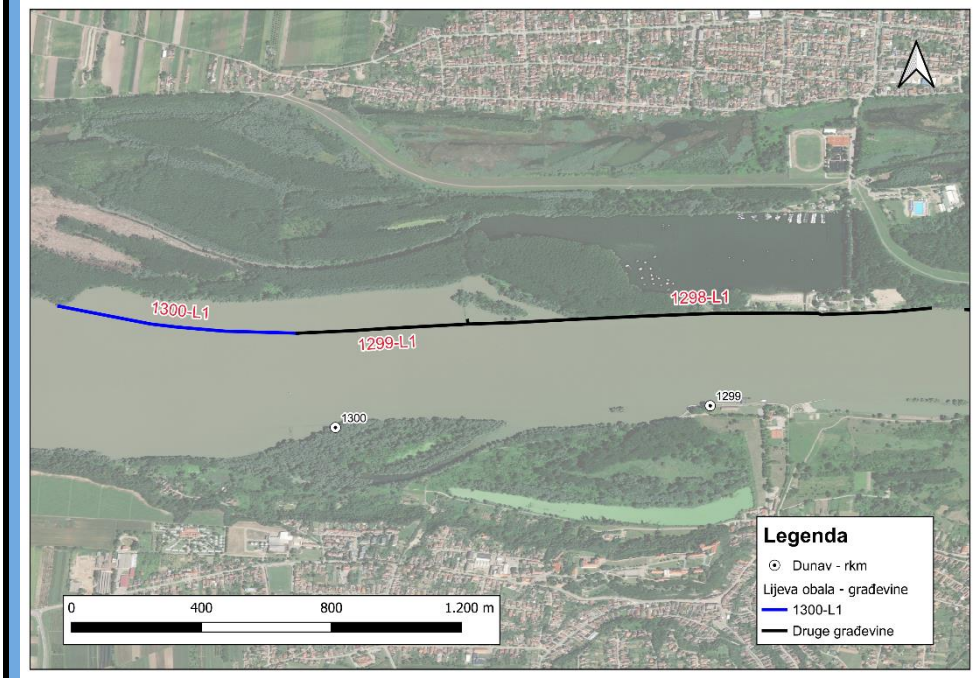
Location of the infrastructure



Picture of the infrastructure

71. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1300-L1	**Revetment**	**1300+805 do 1300+116**	**746,58**	**75,34**

Analysis

- Infrastructure is in bad condition.
- River bank erosion protection failed.
- Stone revetment. River bank erosion behind revetment present. Revetment material visible at low water levels on the river side.

72. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1299-L1	**Parallel structure**	**1300+116 do 1299+648**	**527,23**	**75,35**

Existing documentation

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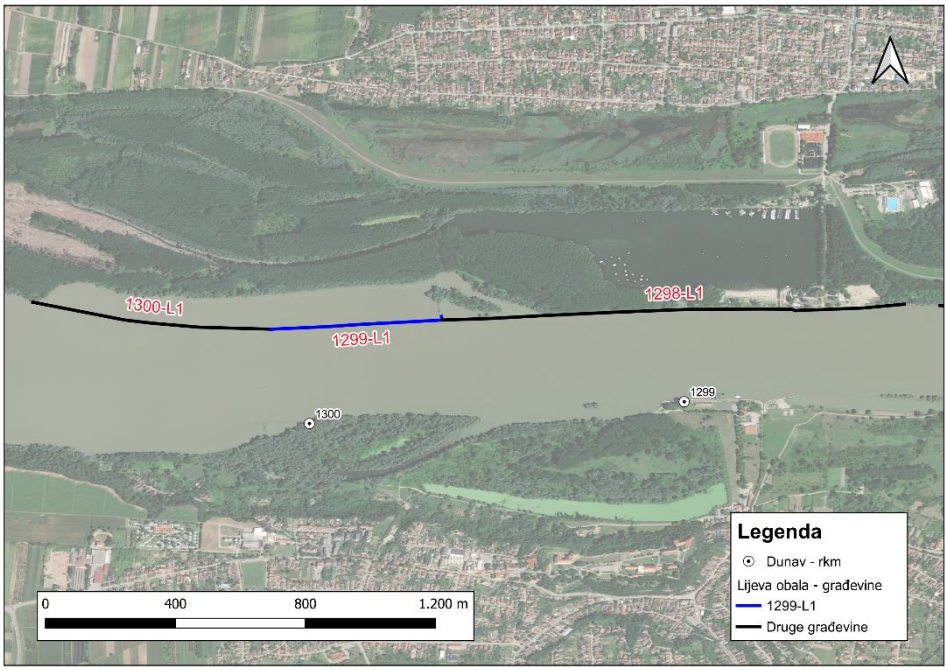
Location of the infrastructure



Picture of the infrastructure

72. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1299-L1	**Parallel structure**	**1300+116 do 1299+648**	**527,23**	**75,35**

Analysis

- Infrastructure is in satisfying condition.
- Effect of material deposition ongoing (upstream, downstream).
- Material on the parallel structure visible. Crown elevation it is not in continuity.

73. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1298-L1	**Revetment**	**1299+648 do 1298+275**	**1426,43**	**76,34**

Existing documentation

- CADASTRE MARK
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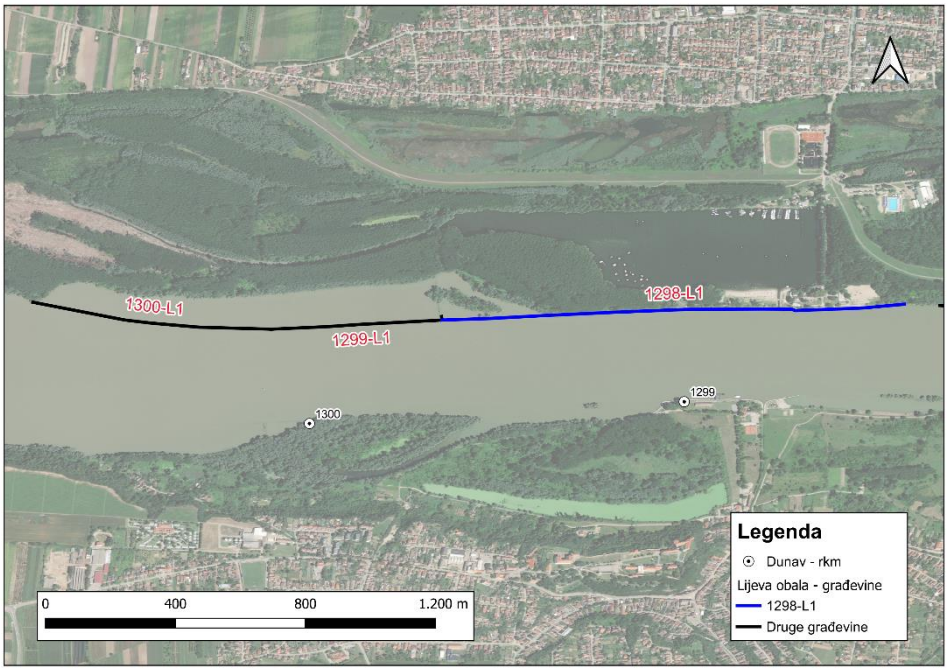
  It is not visible in „Cadastre“.

Location of the infrastructure



Picture of the infrastructure

73. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1298-L1	**Revetment**	**1299+648 do 1298+275**	**1426,43**	**76,34**

Analysis

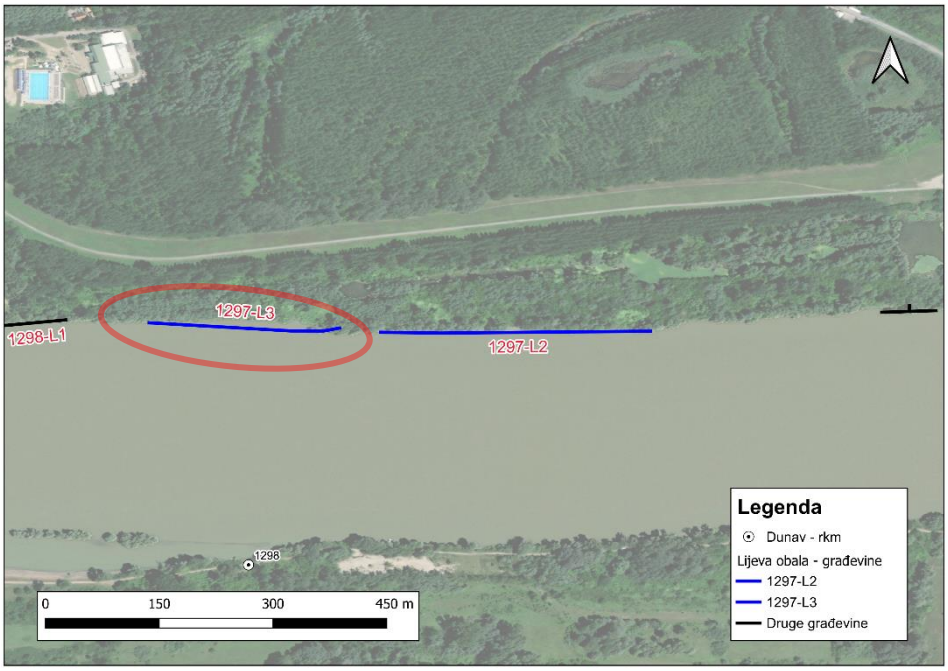
- Infrastructure is in bad condition.
- River bank erosion protection failed.
- Stone revetment. River bank erosion behind revetment present. Revetment material visible at low water levels on the river side.

74. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1297-L3	**T-groyne**	**1297+889**	**252,48**	**75,94**

Existing documentation

- CADASTRE MARK **1297/13**
- CADASTRE PAGE **2/18**

Location of the infrastructure



Picture of the infrastructure

74. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1297-L3	**T-groyne**	**1297+889**	**252,48**	**75,94**

Analysis

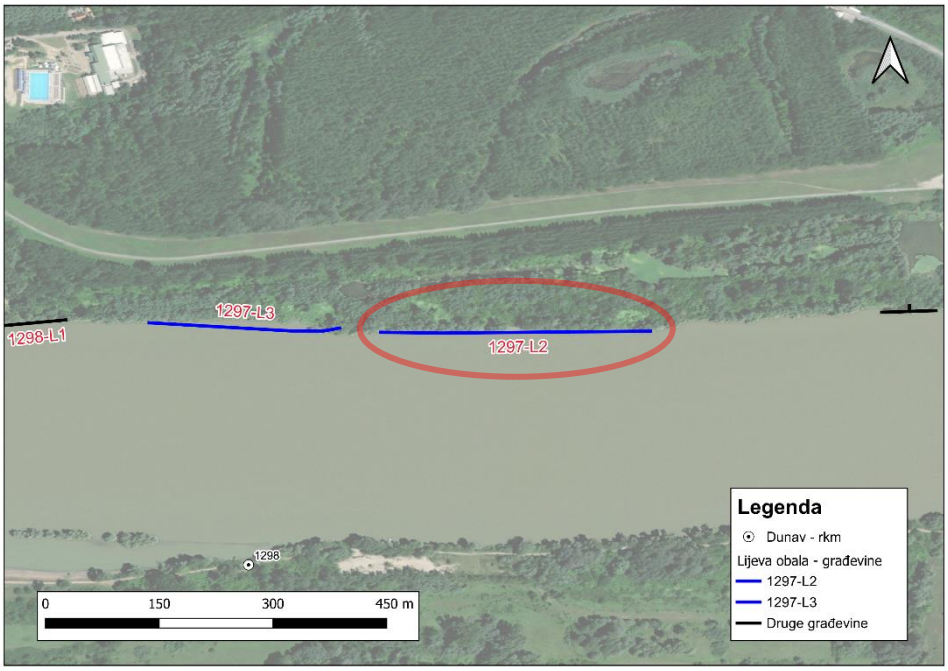
- Infrastructure is in satisfying condition.
- Effect of material deposition finished (upstream, downstream).
- Groyne head material and vegetable on groyne crown visible. Downstream and upstream effect of material deposition finished. Connected with groyne head 1297-L2.

75. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1297-L2	**T-groyne**	**1297+477**	**356,02**	**76,06**

Existing documentation

- CADASTRE MARK **1297/12**
- CADASTRE PAGE **2/18**

Location of the infrastructure



Picture of the infrastructure

75. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1297-L2	**T-groyne**	**1297+477**	**356,02**	**76,06**

Analysis

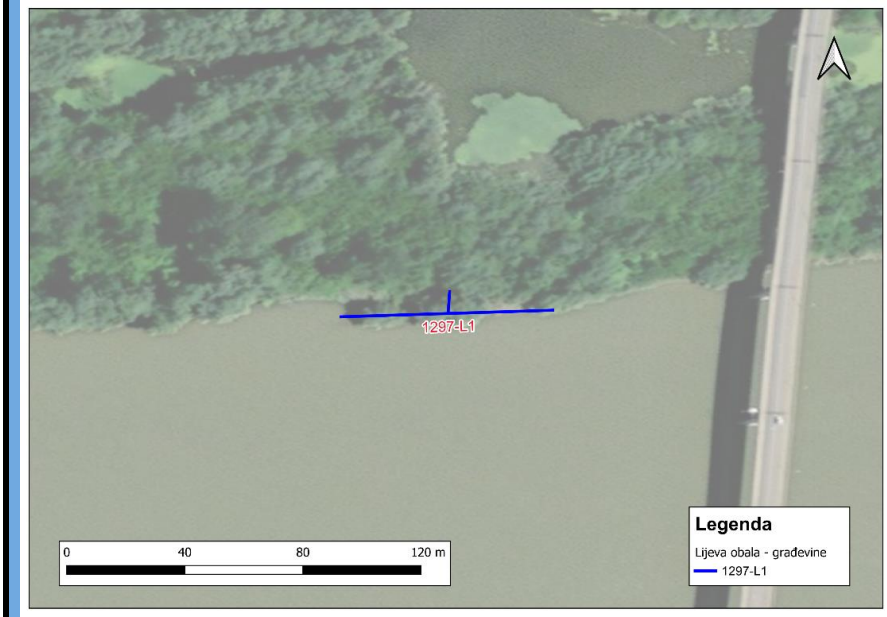
- Infrastructure is in satisfying condition.
- Effect of material deposition finished (upstream, downstream).
- Groyne head material and vegetable on groyne crown visible. Downstream and upstream effect of material deposition finished. Connected with groyne head 1297-L3.

76. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1297-L1	**T-groyne**	**1297+116**	**71,76**	**76,23**

Existing documentation

- CADASTRE MARK **1297/11**
- CADASTRE PAGE **2/18**

Location of the infrastructure



Picture of the infrastructure

Analysis

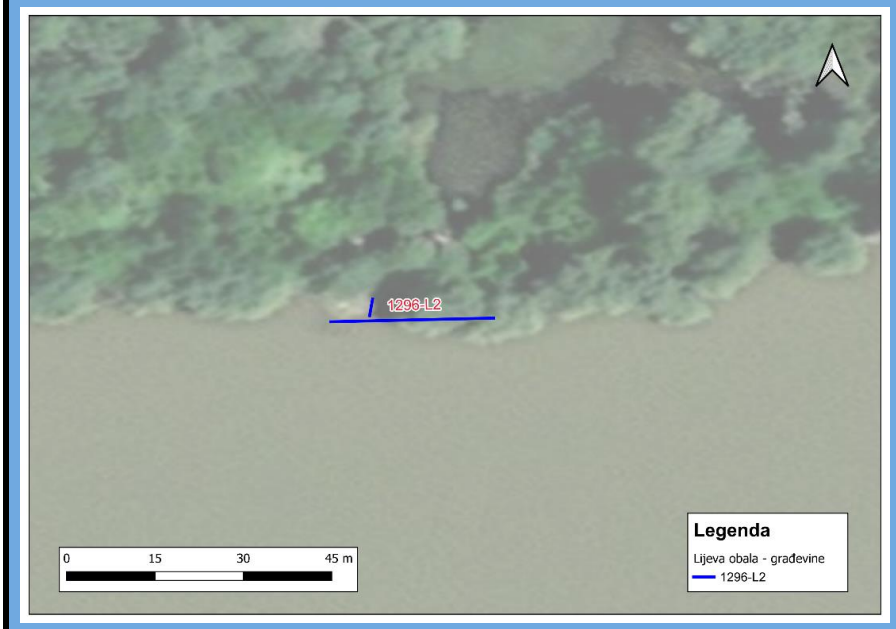
- Infrastructure is in good condition.
- Effect of material deposition ongoing (downstream).
- Groyne head material and vegetable on groyne crown visible. Downstream and upstream effect of material deposition ongoing.

77. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1296-L2	**T-groyne**	**1296+796**	**27,64**	**76,05**

Existing documentation

- CADASTRE MARK **1296/12**
- CADASTRE PAGE **2/18**

Location of the infrastructure



Picture of the infrastructure

Analysis

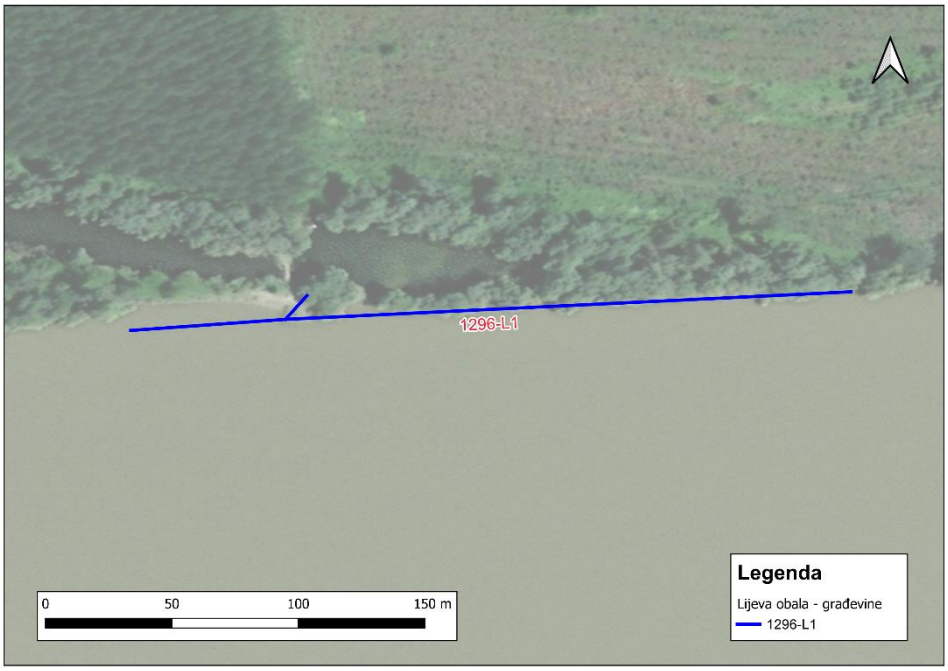
- Infrastructure is in good condition.
- Effect of material deposition ongoing (downstream).
- Groyne head material and vegetable on groyne crown visible. Downstream and upstream effect of material deposition ongoing.

78. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1296-L1	**T-groyne**	**1296+413**	**285,83**	**75,24**

Existing documentation

- CADASTRE MARK **1296/11**
- CADASTRE PAGE **2/18**

Location of the infrastructure



Picture of the infrastructure

78. Left bank	*Type:*	*Chainage (r.km)*	*Length (m)*	*Crown elevation (m.a.s.l.)*
1296-L1	**T-groyne**	**1296+413**	**285,83**	**75,24**

Analysis

- Infrastructure is in good condition.
- Effect of material deposition ongoing (downstream).
- Groyne head material and vegetable on groyne crown visible. Downstream and upstream effect of material deposition ongoing.

4 TABLE OVERVIEW OF RIVER REGULATION INFRASTRUCTURES

4.1 TABLE OVERVIEW OF RIVER REGULATION INFRASTRUCTURES – RIGHT BANK

RIVER REGULATION INFRASTRUCTURES – RIGHT BANK OF DANUBE RIVER																
R.br	***River regulation infrastructure mark(Cadastre mark) *****	***River regulation infrastructure mark***	***"Cadastre" page *****	***Name and type of river regulation infrastructure***	***Chainage of the river regulation infrastructure rkm or from rkm to rkm***	***Length of the river regulation infrastructure m***	***Crown elevetion of river regulation infrastructure m.a.s.l.***	***Crown widht of river regulation infrastructure m *****	***Slope inclinations – upstream *****	***Slope inclinations – downstream *****	***Cross-sectional area of river regulation infrastructure *****	***Year of execution of works *****	***The condition of the river regulation infrastructure***	***Functionality of river regulation infrastructure***	***Additional notes***
1	It is not visible in "Cadastre"	1432-D3	No data	Groyne	1432+638	81,06	83,05	No data	No data	No data	No data	No data	Good	Effect of material deposition ongoing (upstream, downstream).	Groyne, the beginning of material deposition upstream and downstream of the groyne and trees on the groyne crown are visible.
2	1432/1	1432-D2	2/1	Groyne	1432+339	137,41	82,33	2	1:1	1:1.5	0	1972	Good	Effect of material deposition ongoing (upstream, downstream).	Groyne and the beginning of material deposition upstream and downstream of the groyne are visible. Upstream on the groyne, stone washout under the groyne crown connection is visible.

RIVER REGULATION INFRASTRUCTURES – RIGHT BANK OF DANUBE RIVER															
R.br	***River regulation infrastructure mark(Cadastre mark) *****	***River regulation infrastructure mark***	***"Cadastre" page *****	***Name and type of river regulation infrastructure***	***Chainage of the river regulation infrastructure rkm or from rkm to rkm***	***Length of the river regulation infrastructure m***	***Crown elevetion of river regulation infrastructure m.a.s.l.***	***Crown widht of river regulation infrastructure m *****	***Slope inclinations – upstream *****	***Slope inclinations – downstream *****	***Cross-sectional area of river regulation infrastructure *****	***Year of execution of works *****	***The condition of the river regulation infrastructure***	***Functionality of river regulation infrastructure***	***Additional notes***
3	It is not visible in "Cadastre"	1432-D1	No data	Groyne	1432+073	185,72	82,2	No data	No data	No data	No data	No data	Good	Effect of material deposition ongoing (upstream, downstream).	Groyne and the beginning of material deposition upstream and downstream of the groyne are visible. Upstream on the groyne, stone washout under the groyne crown connection is visible.
4	1431/1	1431-D1	2/1	Groyne	1431+633	202,23	81,93	4	1:1	1:1.5	0	1972	Good	Effect of material deposition ongoing (upstream, downstream).	Groyne and the beginning of material deposition upstream and downstream of the groyne are visible. Upstream on the groyne, stone washout under the groyne crown connection is visible.

RIVER REGULATION INFRASTRUCTURES – RIGHT BANK OF DANUBE RIVER															
R.br	**River regulation infrastructure mark(Cadastre mark) ****	**River regulation infrastructure mark**	**"Cadastre" page ****	**Name and type of river regulation infrastructure**	**Chainage of the river regulation infrastructure rkm or from rkm to rkm**	**Length of the river regulation infrastructure m**	**Crown elevetion of river regulation infrastructure m.a.s.l.**	**Crown widht of river regulation infrastructure m ****	**Slope inclinations – upstream ****	**Slope inclinations – downstream ****	**Cross-sectional area of river regulation infrastructure ****	**Year of execution of works ****	**The condition of the river regulation infrastructure**	**Functionality of river regulation infrastructure**	**Additional notes**
5	1428/3	1429-D1	2/2	T-groyne	1429+282	124,15	82,45	2	1:1 -	1:1,5 -	55,00 45,00	1972	Good	Effect of material deposition ongoing (upstream, downstream).	Stone material of groyne head and plants and trees on groyne crown head are visible. Material deposit and overgrowth of trees on groyne connection are visible.
6	1428/2	1428-D1	2/2	T-groyne	1428+940	132,56	82,32	2	1:1 -	1:1,5 -	10,00 43,00	1972	Good	Effect of material deposition ongoing (upstream, downstream).	Groyne head and groyne connection are visible. The beginning of material deposition upstream and downstream of the groyne and plants and trees on groyne crown are visible.

RIVER REGULATION INFRASTRUCTURES – RIGHT BANK OF DANUBE RIVER															
R.br	***River regulation infrastructure mark(Cadastre mark) *****	***River regulation infrastructure mark***	***"Cadastre" page *****	***Name and type of river regulation infrastructure***	***Chainage of the river regulation infrastructure rkm or from rkm to rkm***	***Length of the river regulation infrastructure m***	***Crown elevetion of river regulation infrastructure m.a.s.l.***	***Crown widht of river regulation infrastructure m *****	***Slope inclinations – upstream *****	***Slope inclinations – downstream *****	***Cross-sectional area of river regulation infrastructure *****	***Year of execution of works *****	***The condition of the river regulation infrastructure***	***Functionality of river regulation infrastructure***	***Additional notes***
7	1427/1	1427-D5	2/2	Revetment	1428+442 do 1427+617	1015,98	82,16	0	0	0	0	1893-1913	Satisfying	River bank protection from erosion ongoing at low water levels.	The beginning of revetment downstream of the groyne 1427-D4 is visible. The river bank is partially collapsed and overgrown with trees and vegetation. The end of revetment is visible upstream of the parallel 1427-D3.
8	1428/1	1427-D4	2/2	T-groyne	1427+615	479,10	82,95	2	1:1	1:1,5	0	1971	Good	Effect of material deposition ongoing (upstream, downstream).	Groyne head and groyne connection are visible. The beginning of material deposition upstream and downstream of the groyne and plants and trees on groyne crown are visible.
9	1427/2	1427-D3	2/2	Parallel structure	1427+617 do 1427+524	114,10	81,89	2	0	1:1,5	0	1975	Good	Effect of material deposition ongoing (upstream, downstream).	Parallel structure continues on a revetment 1427-D5. Vegetation is visible on the crown of the parallel structure.

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10	It is not visible in "Cadastre"	1427-D2	No data	Parallel structure with groyne	1427+480 do 1427+307	183,92	81,23	No data	No data	No data	No data	No data	Excellent	Effect of material deposition ongoing (upstream, downstream).	Rooting of the parallel is connected to the barrier 1427-D1. Stone material and material deposit upstream of the parallel structure are visible.
11	1427/3	1427-D1	2/2	Barrier	1427+395	47,02	82,83	0	0	0	0	1897-1900	Satisfying	Barrier on backwater flow finished at low water level.	Barrier is not visible from the river side. Vegetation is visible on the crown of the barrier.
12	1426/3	1426-D2	2/2	Parallel structure	1426+444 do 1426+303	99,63	82,33	0	0	0	0	1908-1909	Satisfying	Effect of material deposition finished (upstream, downstream).	Bevel of the stone connected to the river bank is visible. Material deposition upstream and downstream is visible as well as overgrowth of vegetation.

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13	1426/2	1426-D1	2/2	Groyne	1426+131	148,22	81,95	0	0	0	0	1908-1909	Satisfying	Effect of material deposition ongoing (upstream, downstream).	Stone material of bevel of groyne head connected to the river bank is visible. Material deposit upstream and downstream of the groyne and overgrowth of plants are visible.
14	1426/1	1425-D1	2/2	Groyne	1425+895	147,87	82,4	0	0	0	0	1908-1909	Satisfying	Effect of material deposition ongoing (upstream, downstream).	Stone material of bevel of groyne head connected to the river bank is visible. Material deposit upstream and downstream and overgrowth of plants are visible.
15	1424/2	1423-D5	2/3	Groyne	1423+825	45,36	83,11	0	0	0	0	1897-1897	Satisfying	Effect of material deposition finished (upstream, downstream).	Material deposit upstream and downstream of the groyne and overgrowth of plants are visible. Stone material is not visible.

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16	1424/1	1423-D4	2/2 2/3	Revetment	1425+717 do 1423+743	1581,78 + 410,67	89	0	0	0	0	0	Excellent	River bank erosion protection ongoing at high water levels.	City-type revetment. Confluence of Karašica river and revetment near passenger wharf Batina are in excellent condition Downstream of the wharf, revetment is in the process of reconstruction (embankment Gomboš-Batina).
17	1424/3	1423-D3	2/3	Groyne	1423+773	54,03	82,35	0	0	0	0	1897-1897	Satisfying	Effect of material deposition finished (upstream, downstream).	Material deposit upstream and downstream of the groyne and overgrowth of plants are visible. Stone material is not visible.

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18	1423/3	1423-D2	2/3	Parallel structure	1424+102 do 1423+211	970,43	81,97	0	0	0	0	1897-1898	Excellent	Effect of material deposition ongoing (upstream, downstream).	Stone material of parallel structure is visible. Material deposition and overgrowth of vegetation can be seen on the groyne connected to the river bank. Parallel structure continues on a revetment 1423-D4.
19	1423/2	1423-D1	2/3	Barrier	1423+211	200,03	83,21	0	0	0	0	1961-1965	Good	Barrier on backwater flow finished at low water level.	Barrier is covered with dirt and vegetation. Stone material of barrier can be partially seen. Also, vegetation on the crown of the barrier is present.
20	1423/4	1422-D2	2/3	Revetment	1423+211 do 1422+590	620,66	85,32	0	0	0	0	1897-1898	Good	River bank erosion protection ongoing at medium water levels.	Stone revetment in weekend settlement "Zeleni otok". Concrete staircases and approaches to pontoons for boats along the bevels.

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21	1422/1	1422-D1	2/3	T-groyne	1422+025	69,87	81,76	2	1:1 -	1:1,50 -	0	1970-1972	Satisfying	Effect of material deposition ongoing (upstream, downstream).	Collapsed part of the groyne head is visible. Material deposit upstream and downstream of the groyne is visible.
22	1421/3	1421-D2	2/3	T-groyne	1421+655	55,22	81,71	0	1:1 -	1:1,50 -	0	1970-1972	Good	Effect of material deposition ongoing (upstream, downstream).	Material deposit upstream and downstream of the groyne is visible. Downstream on the groyne connection, stone washout under the groyne crown connection is visible.
23	1421/2	1421-D1	2/3	T-groyne	1421+288	52,42	81,71	0	1:1 -	1:1,50 -	0	1970-1972	Satisfying	Effect of material deposition ongoing (upstream, downstream).	Collapsed part of the groyne head and material deposit upstream and downstream of the groyne are visible. Downstream on the groyne connection, stone washout under the groyne crown connection is visible.

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24	1421/1	1420-D2	2/3	T-groyne	1420+980	52,21	81,82	2	1:1 -	1:1,50 -	0	1970-1972	Satisfying	Effect of material deposition ongoing (upstream, downstream).	Collapsed part of the groyne head and material deposit upstream and downstream of the groyne are visible. Downstream on the groyne connection, stone washout under the groyne crown connection is visible.
25	1420/1	1420-D1	2/3	T-groyne	1420+748	56,29	81,77	2	1:1 -	1:1,50 -	0	1970-1971-1972	Good	Effect of material deposition ongoing (upstream, downstream).	Material deposit upstream and downstream of the groyne is visible. Downstream on the groyne connection, stone washout under the groyne crown connection is visible.
26	1418/1	1418-D1	2/3 2/4	Revetment	1420+760 do 1418+067	2862,74	81,19	0	0	0	0	1970-1979	Good	River bank erosion protection ongoing at low water levels.	Stone revetment above which is a stone river bank overgrown with plants and trees. Revetment ends at the entrance in Zmajevački Dunavac.

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27	1417/1	1417-D4	2/4	T-groyne	1417+876	96,09	79,48	1	1:1 -	1:1,50 -	0	1976	Good	Effect of material deposition ongoing (upstream, downstream).	Stone material of groyne head is visible. Groyne connection is overgrown with plants and covered with sand.
28	1416/2	1417-D3	2/4	T-groyne	1417+371	48,50	79,12	2	1:1 -	1:1,50 -	0	1976	Satisfying	Effect of material deposition ongoing (upstream, downstream).	Sand deposit upstream and downstream of the groyne. Stone material of groyne head is visible.
29	1417/2	1417-D2	2/4	Revetment	1418+032 do 1417+169	1137,08	81,14	0	0	0	0	1976	Satisfying	River bank erosion protection ongoing at low water levels.	Revetment is partially collapsed. Behind groyne 1417-D4 stone material of revetment is not visible.
30	1416/1	1417-D1	2/4	Parallel structure	1417+156 do 1417+022	149,82	80,38	1	0	0	0	1976	Bad	Effect of material deposition failed (upstream, downstream).	Stone material of parallel structure is visible and it has an irregular geometry.

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31	1416/3	1416-D1	2/4	Parallel structure	1416+982 do 1416+769	289,00	81,25	1	0	0	0	1976	Satisfying	Effect of material deposition ongoing (upstream, downstream).	Material deposition upstream and downstream of the parallel structure is present. Stone material of parallel structure at low water levels can be seen.
32	It is not visible in "Cadastre"	1412-D1	No data	Revetment	1412+888 do 1412+363	518,67	80,27	No data	No data	No data	No data	No data	Satisfying	River bank erosion protection ongoing at low water levels.	Stone material of revetment is visible. Revetment is partially washed away and geotextile is spotted beneath the stone material.
33	1412/1	1411-D1	2/5	Revetment	1412+307 do 1411+967	325,62	80,94	0	0	0	0	1937-1937	Excellent	River bank erosion protection ongoing at low water levels.	Stone material of revetment and vegetation above it are visible.
34	1409/2	1409-D2	2/6	T-groyne	1409+413	98,57	78,89	0	0	0	0	1909-1910	Bad	Effect of material deposition failed.	Stone material of groyne head and rooting of groyne are visible. Groyne head and groyne connection are separated.

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35	1409/1	1409-D1	2/6	T-groyne	1409+115	139,74	80,48	0	0	0	0	1909-1910	Bad	Effect of material deposition failed.	Stone material of groyne head and rooting of groyne are visible. Groyne head and groyne connection are separated.
36	1408/3	1408-D3	2/6	T-groyne	1408+819	203,94	80,88	0	0	0	0	1909-1910	Excellent	Effect of material deposition ongoing (upstream, downstream).	Groyne head and groyne connection are visible. Material deposition on the river bank downstream of the groyne, upstream still in the function of material deposition.
37	1408/2	1408-D2	2/6	T-groyne	1408+532	151,05	80,89	0	0	0	0	1909-1910	Excellent	Effect of material deposition ongoing (upstream, downstream).	Groyne head and groyne connection are visible. Material deposition on the river bank downstream of the groyne, upstream still in the function of material deposition. Trees are visible on the groyne crown.

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38	1408/1	1408-D1	2/6	T-groyne	1408+245	149,85	80,05	0	0	0	0	1909-1910	Excellent	Effect of material deposition ongoing (upstream, downstream).	Groyne head and groyne connection are visible. The beginning of material deposition upstream and downstream of the groyne is present. Downstream on the groyne connection, stone washout under the groyne crown connection is visible.
39	It is not visible in "Cadastre"	1407-D2	No data	Parallel structure	1407+860 do 1407+751	111,89	79,14	No data	No data	No data	No data	No data	Bad	Effect of material deposition failed (upstream, downstream).	Collapsed stone material of parallel structure is visible at low water levels.
40	1407/1	1407-D1	2/6	Revetment	1407+751 do 1407+335	432,75	78,63	0	0	0	0	1909-1910	Bad	River bank erosion protection failed.	Stone revetment. Washout and collapse of river bank behind revetment are spotted. Stone material is visible at low water levels.

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41	1406/1	1406-D3	2/6	Revetment	1406+978 do 1406+667	238,98	81,1	0	0	0	0	1893-1894	Excellent	River bank erosion protection ongoing at low water levels.	Stone material of revetment is visible as well as vegetation above it. Revetment is continuous.
42	It is not visible in "Cadastre"	1406-D2	No data	T-groyne	1406+281	91,25	80,39	No data	No data	No data	No data	No data	Excellent	Effect of material deposition ongoing (upstream, downstream).	T-groyne, stone material of groyne head and groyne connection are visible. Newly built groyne.
43	It is not visible in "Cadastre"	1406-D1	No data	Groyne	1406+001	32,98	81,09	No data	No data	No data	No data	No data	Excellent	Effect of material deposition ongoing (upstream, downstream).	Stone material of groyne connection is visible. Newly built groyne.
44	It is not visible in "Cadastre"	1405-D2	No data	T-groyne	1405+691	93,24	79,77	No data	No data	No data	No data	No data	Excellent	Effect of material deposition ongoing (upstream, downstream).	T-groyne, stone material of groyne head and groyne connection are visible. Newly built groyne.
45	It is not visible in "Cadastre"	1405-D1	No data	T-groyne	1405+383	93,25	81,38	No data	No data	No data	No data	No data	Excellent	Effect of material deposition ongoing (upstream, downstream).	T-groyne, stone material of groyne head and groyne connection are visible. Newly built groyne.

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46	1397/1	1396-D1	2/8	Revetment	1398+575 do 1396+740	1762,99	80,39	0	0	0	0	1967	Good	River bank erosion protection ongoing at low water levels.	Stone revetment above which is a stone river bank overgrown with plants and trees. A part of approx. 100 meters of the revetment has been washed away, no stone material is visible.
47	1395/1	1395-D1	2/8	Imported fill	1396+614 do 1395+959	531,47	80,88	12	0	0	0	1976	Satisfying	River bank protection from further erosion ongoing.	Stone material on bevel of the river bank is visible, as well as vegetation above the stone material. At downstream part of landfill, stone material on bevel is not visible.
48	1393/3	1393-D3	2/9	Parallel structure	1394+006 do 1393+640	389,24	80,38	2	0	0	0	1976	Excellent	Effect of material deposition ongoing (downstream).	Stone material of parallel structure is visible. A tree is present at junction of parallel and groyne 1393-D2.

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49	1393/2	1393-D2	2/9	Groyne	1393+691	72,97	80,09	2	1:1	1:1-5	0	1976	Good	Effect of material deposition ongoing (upstream, downstream).	Groyne and the beginning of material deposition upstream and downstream of the groyne are visible. Downstream on the groyne, stone washout under the groyne crown is visible. Tree at the junction of the parallel 1393-D3 and the groyne is visible.
50	1393/1	1393-D1	2/9	Barrier	1393+117	262,05	79,2	2	1:1	1:2	17,80 21,00 12,60	1972	Bad	Barrier on backwater flow failed at low water level.	Stone material of barrier is visible on both river banks. Barrier has irregular geometry. In the middle of the flow, the barrier is opened.
51	1392/4	1392-D1	2/9	Revetment	1393+056 do 1392+961	141,42	82,25	0	0	0	0	1972	Bad	River bank erosion protection failed.	Revetment is collapsed and the geotextile beneath the stone material is visible.

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52	1392/3	1391-D2	2/9	Revetment	1392+961 do 1391+991	704,65	83,23	0	0	0	0	1973	Good	River bank erosion protection ongoing at medium water levels.	Stone revetment. Above is a stone river bank overgrown with plants and trees. A rupture of revetment has been spotted in length around 20 meters.
53	1392/2	1391-D1	2/9	Parallel structure	1391+927 do 1391+716	278,02	81,96	0	0	0	0	1972	Excellent	Effect of material deposition ongoing (upstream, downstream).	Stone material of parallel structure on the bevel of the river bank is visible. Material deposition is spotted upstream and downstream of the parallel structure.
54	1387/1	1387-D1	2/10	Barrier	1387+827	26,06	80	10	1:1	1:1	40.0	1973	Good	Barrier on backwater flow finished at low water level.	Barrier is covered with dirt and vegetation. Stone material of barrier is not visible.

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55	1386/1	1384-D2	2/10	Revetment	1388+387 do 1384+468	4749,82	80,15	0	0	0	0	1974-1976	Good	River bank erosion protection ongoing at low water levels.	Revetment starts at 300 meters upstream from the barrier 1387-D1. It continues after the barrier 1387-D1. Stone material of revetment is visible. Above the stone material vegetation is present. Landslide of revetment has been spotted at two locations.
56	1384/1	1384-D1	2/10 2/11	Revetment	1384+468 do 1384+283	270,14	80,41	4,00 12,00	0	0	0	1974	Excellent	River bank erosion protection ongoing at low water levels.	Stone material of revetment is visible. Above is a stone river bank overgrown with plants and trees.
57	1382/2	1382-D2	2/1	Groyne	1382+557	37,06	80,03	2,00+5,00	1:1	1:1.5	0	1973	Satisfying	Effect of material deposition ongoing.	Material deposit upstream and downstream of the groyne and stone material of groyne are visible.

RIVER REGULATION INFRASTRUCTURES – RIGHT BANK OF DANUBE RIVER															
R.br	River regulation infrastructure mark(Cadastre mark) **	River regulation infrastructure mark	"Cadastre" page **	Name and type of river regulation infrastructure	Chainage of the river regulation infrastructure rkm or from rkm to rkm	Length of the river regulation infrastructure m	Crown elevetion of river regulation infrastructure m.a.s.l.	Crown widht of river regulation infrastructure m **	Slope inclinations – upstream **	Slope inclinations – downstream **	Cross-sectional area of river regulation infrastructure **	Year of execution of works **	The condition of the river regulation infrastructure	Functionality of river regulation infrastructure	Additional notes
58	1382/1	1382-D1	2/1	Parallel structure	1382+893 do 1382+209	919,15	80,04	2	-	-	0	1973	Satisfying	Effect of material deposition ongoing (upstream, downstream).	Near the settlement of Aljmaš, stone material of parallel structure is visible. Material deposition is present in the back of the parallel structure. Material deposition and vegetation overgrowth is present on the river bank.
59	1381/1	1381-D1	2/1	T-groyne	1381+381	85,31	79,62	2	1:1 -	1:1.15 -	0	1974	Excellent	Effect of material deposition ongoing (upstream, downstream).	Groyne head and groyne connection are visible. Sand deposit upstream and downstream of the groyne.

RIVER REGULATION INFRASTRUCTURES – RIGHT BANK OF DANUBE RIVER																
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60	1380/2	1380-D2	2/1	T-groyne	1380+908	81,56	79,32	2	1:1 -	1:1.15 -	0	1974	Good	Effect of material deposition ongoing (upstream, downstream).	Groyne head and groyne connection are visible. The beginning of material deposition upstream and downstream of the groyne is visible. Downstream on the groyne connection, stone washout under the groyne crown is visible.
61	1380/3	1380-D1	2/1	Groyne	1380+357	49,94	78,03	0	0	0	0	1975-1978	Bad	Effect of material deposition failed.	Stone material of groyne is visible at low water levels upstream of the revetment 1379-D1.
62	1380/1	1379-D1	2/1	Revetment	1380+357 do 1379+983	361,37	80,68	0	0	0	The average width of existing revetment. Revetment 15,0-21,0 1380+300-1379+500	1979	Good	River bank erosion protection ongoing at medium water levels.	Stone revetment upstream and downstream of passenger wharf Aljmaš is present. Near the mentioned wharf there is a city-type revetment. Concrete stairs along the bevel of the revetment are present.

RIVER REGULATION INFRASTRUCTURES – RIGHT BANK OF DANUBE RIVER															
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63	1379/1	1377-D1	2/2	Revetment	1379+983 do 1377+528	2705,45	80,6	0	0	0	0	0	Bad/Satisfying	River bank erosion protection ongoing at medium water levels.	Stone material of revetment on the bevel is visible. It protects the river bank of the Aljmaš settlement.
64	1368/1	1368-D1	2/4	Groyne	1368+237	138,31	78,06	2	1:1 -	1:1.15 -	~42.00	1982	Excellent	Effect of material deposition ongoing (upstream, downstream).	Groyne and the beginning of material deposition upstream and downstream of the groyne are visible.
65	1367/2	1367-D2	2/4	T-groyne	1367+663	83,84	78,68	0	0	0	0	1983	Good	Effect of material deposition ongoing (upstream, downstream).	Groyne head and groyne connection are visible. Material deposition upstream and downstream of the groyne is visible. Upstream on the groyne connection, stone washout under the groyne crown connection is visible.

RIVER REGULATION INFRASTRUCTURES – RIGHT BANK OF DANUBE RIVER															
R.br	River regulation infrastructure mark(Cadastre mark) **	River regulation infrastructure mark	"Cadastre" page **	Name and type of river regulation infrastructure	Chainage of the river regulation infrastructure rkm or from rkm to rkm	Length of the river regulation infrastructure m	Crown elevetion of river regulation infrastructure m.a.s.l.	Crown widht of river regulation infrastructure m **	Slope inclinations – upstream **	Slope inclinations – downstream **	Cross-sectional area of river regulation infrastructure **	Year of execution of works **	The condition of the river regulation infrastructure	Functionality of river regulation infrastructure	Additional notes
66	1367/1	1367-D1	2/4	T-groyne	1367+218	90,26	78,4	2	1:1 -	1:1.15 -	~40.00	1982	Satisfying	Effect of material deposition ongoing (upstream, downstream).	Collapsed part of the groyne head and material deposit upstream and downstream of the groyne are visible. Downstream and upstream on the groyne connection, stone washout under the groyne crown connection is visible.
67	It is not visible in "Cadastre"	1366-D1	No data	Groyne	1366+496	72,26	77,05	No data	No data	No data	No data	No data	Bad	Effect of material deposition failed.	Stone material of groyne connection is visible. Sand deposit upstream of the groyne is present. Between the road and railway bridge near the settlement of Erdut.

RIVER REGULATION INFRASTRUCTURES – RIGHT BANK OF DANUBE RIVER															
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68	1361/1	1360-D3	2/5	T-groyne	1360+958	81,71	78,59	2	1:1 -	1:1.15 -	0	1978-1981	Excellent	Effect of material deposition ongoing (upstream, downstream).	Groyne head and groyne connection are visible. The beginning of material deposition on the river bank downstream of the groyne, upstream still in the function of material deposition.
69	1360/2	1360-D2	2/5	T-groyne	1360+539	79,89	78,53	2	1:1 -	1:1.15 -	0	1978,1979,1980	Excellent	Effect of material deposition ongoing (upstream, downstream).	Groyne head and groyne connection are visible. The beginning of material deposition on the river bank upstream of the groyne, downstream deposed with sand.

RIVER REGULATION INFRASTRUCTURES – RIGHT BANK OF DANUBE RIVER																
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70	1360/1	1360-D1	2/5	T-groyne	1360+130	81,88	79,18	2	1:1 -	1:1.15 -	0	1978,1979,1980	Good	Effect of material deposition ongoing (upstream, downstream).	Material deposit upstream and downstream of the groyne is visible. Downstream on the groyne connection, stone washout under the groyne crown connection is visible. Tree at the junction of the groyne head and groyne connection is visible.
71	1359/2	1359-D1	2/5	T-groyne	1359+714	81,62	78,56	2	1:1 -	1:1.15 -	0	1978	Good	Effect of material deposition ongoing (upstream, downstream).	Material deposit upstream and downstream of the groyne is visible. Downstream on the groyne connection, stone washout under the groyne crown connection is visible.

RIVER REGULATION INFRASTRUCTURES – RIGHT BANK OF DANUBE RIVER																
R.br	River regulation infrastructure mark(Cadastre mark) **	River regulation infrastructure mark	"Cadastre" page **	Name and type of river regulation infrastructure	Chainage of the river regulation infrastructure rkm or from rkm to rkm	Length of the river regulation infrastructure m	Crown elevetion of river regulation infrastructure m.a.s.l.	Crown widht of river regulation infrastructure m **	Slope inclinations – upstream **	Slope inclinations – downstream **	Cross-sectional area of river regulation infrastructure **	Year of execution of works **	The condition of the river regulation infrastructure	Functionality of river regulation infrastructure	Additional notes
72	1353/1	1351-D1	2/6 2/7	Revetment	1355+788 do 1351+922	3329,39	76,55 (toe elevation) 85,45 85,37(cadastre)	1	0	0	0,50/m'	1957-1963	Satisfying	River bank erosion protection ongoing at high water levels in settlement Dalj. Upstream from the settlement river bank erosion protection ongoing at low water levels.	Revetment near the settlement of Dalj has steep bevel and irregular geometry, it is overgrown with vegetation and is city-type revetment. Downstream of the Dalj canal there is a stone revetment. Stone material is visible at low water levels and vegetation above it is visible. Last 500 m river bank erosion behind revetment present.
73	1348/1	1347-D2	2/8	Revetment	1349+617 do 1347+712	2202,23	76,56	1	0	0	0	1983	Satisfying	River bank erosion protection ongoing at low water levels.	Start of revetment is 800 meters upstream from the rkm 1349. Stone material of revetment is visible. Above is a stone river bank overgrown with plants and trees.

RIVER REGULATION INFRASTRUCTURES – RIGHT BANK OF DANUBE RIVER															
R.br	**River regulation infrastructure mark(Cadastre mark) ****	**River regulation infrastructure mark**	**"Cadastre" page ****	**Name and type of river regulation infrastructure**	**Chainage of the river regulation infrastructure rkm or from rkm to rkm**	**Length of the river regulation infrastructure m**	**Crown elevetion of river regulation infrastructure m.a.s.l.**	**Crown widht of river regulation infrastructure m ****	**Slope inclinations – upstream ****	**Slope inclinations – downstream ****	**Cross-sectional area of river regulation infrastructure ****	**Year of execution of works ****	**The condition of the river regulation infrastructure**	**Functionality of river regulation infrastructure**	**Additional notes**
74	It is not visible in "Cadastre"	1347-D1	No data	Revetment	1347+405 do 1347+214	301,37	76,25	No data	No data	No data	No data	No data	Good	River bank erosion protection ongoing at low water levels.	Stone material of revetment is visible. It protects the bevel of the river bank at low water levels.
75	1338/1	1337-D1	2/10	Revetment	1340+795 do 1337+499	2545,59	76,05 78,97	NOŽ:0.30 BAN:0.50 VIJ:0.60	0	0	15.0-20.0	1974	Good	River bank protection from erosion ongoing at low and high water levels.	Stone revetment. It protects the river bank at low water levels. Downstream of the rkm 1338, city-type revetment protects the river bank from high water levels.
76	1336/1	1334-D1	2/10	Revetment	1337+499 do 1334+739	2937,32	84,6	0	0	0	0	0	Good	River bank erosion protection ongoing at high water levels.	City-type revetment of Borovo settlement. Concrete staircase on bevels. The vertical river bank on the columns of the operational plateau of the transshipment port of Vupik. The revetment of the port of Vukovar.

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77	1333/1	1333-D1	2/11	Revetment	1334+739 do 1333+113	998,31	83,4	0	0	0	0	1957 1957-1961 1962-1963	Excellent	River bank erosion protection ongoing at high water levels.	City-type revetment. It extends from the revetment 1334-D1 to the confluence of Vuka river and includes the revetment "Otok Športova".
78	1331/1	1330-D1	2/11	Revetment	1333+025 do 1330+932	3817,44	84,1	0	0	0	0	0	Excellent	River bank erosion protection ongoing at high water levels.	The revetment of passenger wharf of Vukovar. It is under construction in the area of the city of Vukovar, from rkm 1333 (confluence of Vuka river) to rkm 1331 (waste water treatment device).
79	1327/1	1328-D1	2/12	Revetment	1328+550 do 1328+415	180,05	79,9	1	0	0	20.0	0	Good	River bank erosion protection ongoing at medium water levels.	City-type revetment to crown elevation of 80.15 m.a.s.l. The revetment of passenger wharf of Vučedol.
80	It is not visible in "Cadastre"	1322-D2	No data	Parallel structure	1323+927 do 1322+971	1061,26	76,08	No data	No data	No data	No data	No data	Excellent	Effect of material deposition ongoing (upstream, downstream).	Newly built. Stone material of parallel structure and groyne are visible.

RIVER REGULATION INFRASTRUCTURES – RIGHT BANK OF DANUBE RIVER															
R.br	***River regulation infrastructure mark(Cadastre mark) *****	***River regulation infrastructure mark***	***"Cadastre" page *****	***Name and type of river regulation infrastructure***	***Chainage of the river regulation infrastructure rkm or from rkm to rkm***	***Length of the river regulation infrastructure m***	***Crown elevetion of river regulation infrastructure m.a.s.l.***	***Crown widht of river regulation infrastructure m *****	***Slope inclinations – upstream *****	***Slope inclinations – downstream *****	***Cross-sectional area of river regulation infrastructure *****	***Year of execution of works *****	***The condition of the river regulation infrastructure***	***Functionality of river regulation infrastructure***	***Additional notes***
81	It is not visible in "Cadastre"	1322-D1	No data	T-groyne	1322+450	90,04	77,01	No data	No data	No data	No data	No data	Excellent	Effect of material deposition ongoing (upstream, downstream).	Newly built. Stone material of groyne connection and groyne head is visible.
82	It is not visible in "Cadastre"	1321-D1	No data	T-groyne	1321+960	89,98	76,99	No data	No data	No data	No data	No data	Excellent	Effect of material deposition ongoing (upstream, downstream).	Newly built. Stone material of groyne connection and groyne head is visible.
83	It is not visible in "Cadastre"	1318-D1	No data	Revetment	1318+669 do 1318+577	118,34	75,35	No data	No data	No data	No data	No data	Bad	River bank erosion protection failed.	Stone material of the revetment is visible at low water levels.
84	It is not visible in "Cadastre"	1315-D1	No data	Barrier	1315+740	188,56	77,5	No data	No data	No data	No data	No data	Good	Barrier on backwater flow finished at low water level.	Barrier is not visible from the river side.
85	It is not visible in "Cadastre"	1309-D1	No data	Revetment	1313+676 do 1309+502	3993,84	74,95	No data	No data	No data	No data	No data	Satisfying	River bank erosion protection ongoing at low water levels.	Stone material of the revetment is visible at low water levels. Collapsed vegetation on the bevel.

RIVER REGULATION INFRASTRUCTURES – RIGHT BANK OF DANUBE RIVER															
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86	It is not visible in "Cadastre"	1307-D1	No data	Parallel structure	1309+502 do 1307+954	1646,34	76,34	No data	No data	No data	No data	No data	Good	Effect of material deposition ongoing (upstream, downstream).	Parallel structure continues on a revetment 1309-D1. Stone material of the parallel and two groynes vertical to it are visible. Material deposition on the river bank is spotted in the back of the parallel structure.
87	It is not visible in "Cadastre"	1305-D1	No data	Revetment	1305+896 do 1305+386	461,21	76,74 (toe elevation)	No data	No data	No data	No data	No data	Excellent	River bank erosion protection ongoing at high water levels.	City-type revetment of Šarengrad settlement.
88	It is not visible in "Cadastre"	1299-D1	No data	Parallel structure	1300+668 do 1299+105	1790,95	73,77	No data	No data	No data	No data	No data	Satisfying	Effect of material deposition ongoing (downstream).	Stone material of parallel structure is visible. Material deposition on the river bank is spotted in the back of the parallel structure. Parts of the stone material are collapsed and have irregular geometry.

RIVER REGULATION INFRASTRUCTURES – RIGHT BANK OF DANUBE RIVER																
R.br	***River regulation infrastructure mark(Cadastre mark) *****	***River regulation infrastructure mark***	***"Cadastre" page *****	***Name and type of river regulation infrastructure***	***Chainage of the river regulation infrastructure rkm or from rkm to rkm***	***Length of the river regulation infrastructure m***	***Crown elevetion of river regulation infrastructure m.a.s.l.***	***Crown widht of river regulation infrastructure m *****	***Slope inclinations – upstream *****	***Slope inclinations – downstream *****	***Cross-sectional area of river regulation infrastructure *****	***Year of execution of works *****	***The condition of the river regulation infrastructure***	***Functionality of river regulation infrastructure***	***Additional notes***
89	1296/1	1295-D1	2/18	Revetment	1299+105 do 1295+350	3789,17	73,93 (toe elevation) 80,07 (crown elevation-wharf)	2	68	0	0.0	1976	Excellent/Good	River bank protection from erosion ongoing at low and high water levels. Effect of material deposition ongoing (downstream).	City-type revetment at the wharf of Ilok protects the river bank from the high waters. Downstream of the wharf, stone revetment and parallel structure are in function of river bank protection from the erosion during low water levels. Downstream of the bridge, vertical river bank is under construction.

**information from the "Cadastral Register Table

4.2 TABLE OVERVIEW OF RIVER REGULATION INFRASTRUCTURES – LEFT BANK

RIVER REGULATION INFRASTRUCTURES – LEFT BANK OF DANUBE RIVER															
R.br	**River regulation infrastructure mark(Cadastre mark) ****	**River regulation infrastructure mark**	**"Cadastre" page ****	**Name and type of river regulation infrastructure**	**Chainage of the river regulation infrastructure rkm or from rkm to rkm**	**Length of the river regulation infrastructure m**	**Crown elevetion of river regulation infrastructure m.a.s.l.**	**Crown widht of river regulation infrastructure m ****	**Slope inclinations – upstream ****	**Slope inclinations – downstream ****	**Cross-sectional area of river regulation infrastructure ****	**Year of execution of works ****	**The condition of the river regulation infrastructure**	**Functionality of river regulation infrastructure**	**Additional notes**
1	It is not visible in "Cadastre"	1298-L1	No data	Revetment	1299+648 do 1298+275	1426,43	76,34	No data	No data	No data	No data	No data	Bad	River bank erosion protection failed.	Stone revetment. River bank erosion behind revetment present. Revetment material visible at low water levels on the river side.
2	1432/12	1432-L1	2/1	Groyne	1432+529	55,33	79,70	2	1:1	1:1	0	1971	Good	Effect of material deposition ongoing (upstream, downstream).	Groyne material and effect of material deposition upstream and downstream visible, vegetation present on the beginning of the infrastructure.
3	1430/12	1430-L4	2/1	Revetment	1432+360 do 1430+378	2152,14	82,76	0	0	0	0	1927-1934	Good	River bank erosion protection ongoing at low water levels.	Stone revetment. Revetment material visible. Above crown revetment vegetation and trees present. Approx 30 m of revetment material not visible.

RIVER REGULATION INFRASTRUCTURES – LEFT BANK OF DANUBE RIVER

R.br	River regulation infrastructure mark(Cadastre mark) **	River regulation infrastructure mark	"Cadastre" page **	Name and type of river regulation infrastructure	Chainage of the river regulation infrastructure rkm or from rkm to rkm	Length of the river regulation infrastructure m	Crown elevetion of river regulation infrastructure m.a.s.l.	Crown widht of river regulation infrastructure m **	Slope inclinations – upstream **	Slope inclinations – downstream **	Cross-sectional area of river regulation infrastructure **	Year of execution of works **	The condition of the river regulation infrastructure	Functionality of river regulation infrastructure	Additional notes
4	1430/11	1430-L3	2/1	Revetment	1430+349 do 1430+335	15,37	82,25	2	0	0	0	1971-1976	Good	River bank erosion protection ongoing at low water levels.	River bank ingrown with revetment. Effect of material deposition visible (upstream and downstream).
5	1430/00	1430-L2	2/1	T-groyne	1430+280	53,36	82,49	2	1:1	1:1.5	0	1971-1976	Good	Effect of material deposition ongoing (upstream, downstream).	Material on the groyne head and effect of material deposition upstream and downstream visible, vegetation present on the beginning of the infrastructure.
6	1429/12	1430-L1	2/1	T-groyne	1430+186	39,53	83,00	2	1:1	1:1.5	0	1971	Good	Effect of material deposition ongoing (upstream, downstream).	Material on the groyne head and effect of material deposition upstream and downstream visible, vegetation present on the beginning of the infrastructure.
7	1429/11	1429-L1	2/2	Revetment	1430+090 do 1429+516	539,78	82,03	0	0	0	0	1978	Good	River bank erosion protection ongoing at low water levels.	Stone revetment. Revetment material visible. Above crown revetment vegetation and trees present.
8	It is not visible in "Cadastre"	1299-L1	No data	Parallel structure	1300+116 do 1299+648	527,23	75,35	No data	No data	No data	No data	No data	Satisfying	Effect of material deposition ongoing (upstream, downstream).	Material on the parallel structure visible. Crown elevation it is not in continuity.

RIVER REGULATION INFRASTRUCTURES – LEFT BANK OF DANUBE RIVER															
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9	It is not visible in "Cadastre"	1300-L1	No data	Revetment	1300+805 do 1300+116	746,58	75,34	No data	No data	No data	No data	No data	Bad	River bank erosion protection failed.	Stone revetment. River bank erosion behind revetment present. Revetment material visible at low water levels on the river side.
10	1426/11	1425-L6	2/2	Revetment	1426+195 do 1425+712	524,55	85,53	0	0	0	0	0	Good	River bank erosion protection ongoing at medium water levels.	Slope revetment from stone and concrete stone. Concrete stairs along the slope revetment.
11	1425/15	1425-L5	2/2	Revetment	1425+712 do 1425+577	145,97	83,15	0	0	0	0	1961-1965	Good	River bank erosion protection ongoing at high water levels.	Part of slope revetment made from concrete stone, the rest of the slope is made of concrete blocks (city-type revetment). Concrete stairs along the slope revetment.
12	1425/14	1425-L4	2/2	Revetment	1425+577 do 1425+585	48,41	86,74	0	0	0	0	1961-1965	Excellent	River bank erosion protection ongoing at high water levels.	A vertical revetment in the form of a reinforced concrete wall. Entrance in river lock in Bezdan settlement.
13	1425/13	1425-L3	2/2	Revetment	1425+562 do 1425+443	154,36	81,49	0	0	0	0	1961-1965	Good	River bank erosion protection ongoing at high water levels.	Semicircular revetment. Revetment slope made of concrete blocks (city-type revetment).

RIVER REGULATION INFRASTRUCTURES – LEFT BANK OF DANUBE RIVER

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14	1425/12	1425-L2	2/2	Revetment	1425+423 do 1425+410	30,09	79,44	0	0	0	0	1961-1965	Good	River bank erosion protection ongoing at high water levels.	Revetment slope made of concrete blocks (city-type revetment).
15	1425/11	1425-L1	2/2	Revetment	1425+423 do 1424+959	451,65	81,79	2	0	0	0	1961-1965	Satisfying	River bank erosion protection ongoing at medium water levels.	Stone revetment. Vegetation present above the infrastructure. Continues to the revetment 1425-L2. Visible columns of the old docking place in bad condition.
16	1424/13	1424-L2	2/3	Revetment	1424+860 do 1424+662	155,90	79,34	0	0	0	0	0	Good	River bank erosion protection ongoing at low water levels.	Stone revetment. Vegetation present above the infrastructure. Visible material revetment.
17	1424/12	1424-L1	2/3	T-groyne	1424+662 do 1424+591	101,77	81,40	No data	No data	No data	No data	No data	Good	Effect of material deposition ongoing (upstream, downstream).	Material on the groyne head and effect of material deposition upstream and downstream visible, vegetation present on the beginning of the infrastructure. In continuity with revetment 1424-L2.
18	1424/11	1423-L1	2/3	T-groyne	1423+963	98,82	82,71	0	0	0	0	1901-1902	Bad	Effect of material deposition failed.	Material on the groyne head and groyne root visible. Separately groyne head from root.

RIVER REGULATION INFRASTRUCTURES – LEFT BANK OF DANUBE RIVER															
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19	1422/13	1422-L2	2/3	T-groyne	1422+894	177,17	79,22	0	0	0	0	1891-1892	Bad	Effect of material deposition ongoing (upstream, downstream).	Groyne connection material not visible.
20	1422/12	1422-L1	2/3	T-groyne	1422+281	158,98	81,55	0	0	0	0	1901-1902	Bad	Effect of material deposition failed.	Groyne connection and head material visible. Irregular geometry of the groyne. Separately groyne head from connection.
21	1421/11	1420-L2	2/3	Revetment	1421+970 do 1420+529	1320,08	82,83	0	0	0	0	1905-1907 1935-1938	Good	River bank erosion protection ongoing at low water levels.	Stone revetment. Vegetation present above the infrastructure. Visible material revetment. The beginning of the revetment in continuity, after 200m part of the revetment is washed away, visible material behind.
22	1420/12	1420-L1	2/3	T-groyne	1420+281	51,95	81,48	2	1:1 -	1:1,50 -	0	1970-1971-1972	Good	Effect of material deposition ongoing (upstream, downstream).	Groyne connection, head material and effect of material deposition upstream and downstream visible. On the groyne connection downstream visible lack of stone below groyne crown.

RIVER REGULATION INFRASTRUCTURES – LEFT BANK OF DANUBE RIVER

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23	1420/11	1419-L2	2/3	T-groyne	1419+990	53,21	81,64	2	1:1 -	1:1,50 -	0	1970-1971-1972	Good	Effect of material deposition ongoing (upstream, downstream).	Groyne connection, head material and effect of material deposition upstream and downstream visible.
24	1419/11	1419-L1	2/4	T-groyne	1419+612	91,96	81,60	2	1:1 -	1:1,50 -	0	1970-1971-1972	Satisfying	Effect of material deposition ongoing (upstream, downstream).	Groyne connection, head material and significantly effect of material deposition upstream and downstream visible. Groyne head irregular geometry. Trees present on the groyne crown connection.
25	1415/11	1414-L1	2/4	Revetment	1416+109 do 1414+355	1804,23	79,02	0	0	0	0	1974-1976	Bad	River bank erosion protection failed.	Stone revetment. Visible material revetment at low water levels. Part of the revetment is washed away, visible material behind.
26	1410/11	1409-L1	2/6	Revetment	1410+058 do 1409+398	647,38	78,64	0	0	0	0	1909-1910	Bad	River bank erosion protection failed.	Stone revetment. Visible material revetment at low water levels. Part of the revetment is washed away, visible material behind.

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27	It is not visible in "Cadastre"	1305-L1	No data	Revetment	1308+282 do 1305+842	2249,99	75,39	No data	No data	No data	No data	No data	Bad	River bank erosion protection failed.	Stone revetment. Visible material revetment at low water levels. Part of the revetment is washed away, visible material behind from the river side.
28	1401/11	1401-L2	2/7	Revetment	1401+863 do 1401+619	351,28	78,40	1	0	0	0	1957-1960	Bad	River bank erosion protection failed.	Stone revetment. Visible material revetment at low water levels. Part of the revetment is washed away, visible material behind from the river side. There is no visible material on the side of the backwater near the port of Apatin.

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29	1403/11 1402/11	1401-L1	2/7	Revetment	1403+7247 do 1401+340	2516,32	78,42 (toe elevation)	No data	No data	No data	No data	No data	Good (Bad, good, excellent)	Upstream river bank erosion protection failed. River bank erosion protection at shipyard Apatin ongoing. Downstream river bank erosion protection ongoing at high water levels.	Upstream of the Apatin barrier, the revetment is not visible from the water side. From the barrier to the vertical revetment of the Apatin shipyard, there are is no revetment material present. On the vertical revetment of the shipyard, visible deformation of the columns. At the Apatin passenger docking place, a city-type revetment in excellent condition. Along the downstream part of the revetment stone in concrete. A new city-type revetment near the Apatin marina. Downstream from the Apatin marina, a city-type revetment with irregular geometry and visible deformation.

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30	1400/11	1400-L3	2/7	Revetment	1401+340 do 1400+886	490,71	77,41	0	0	1:1,25 1:1	0	1912-1913	Good	River bank erosion protection ongoing at low water levels.	Stone revetment. Vegetation present above the infrastructure. Visible material revetment.
31	1400/12	1400-L2	2/7	Revetment	1400+456 do 1400+225	271,11	80,79	0	0	0	0	1912-1913	Bad	River bank erosion protection failed.	Stone revetment. Visible material revetment at low water levels. Part of the revetment is washed away, visible material behind.
32	1399/13	1400-L1	2/7	Parallel structure	1400+456	22,02	80,46	0	0	0	0	1912-1913	Bad	Effect of material deposition failed (upstream, downstream).	Irregular geometry of the structure. Partially effect of material deposition upstream and downstream visible. It is located upstream from revetment 1400-L2.
33	1399/11	1399-L1	2/8	Revetment	1399+658 do 1399+155	465,62	78,77	0	0	0	40	1979	Good	River bank erosion protection ongoing at low water levels.	Stone revetment. Vegetation present above the infrastructure. Visible material revetment.

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34	1398/12	1398-L2	2/8	Parallel structure	1399+155 do 1398+889	251,53	80,06	2	0	0	0	1979	Excellent	Effect of material deposition ongoing (downstream).	Continuing on the revetment 1399-L1. Parallel structure material visible. Vegetation present on the groyne crown.
35	1398/11	1398-L1	2/8	T-groyne	1398+518	138,45	80,12	2	0	0	0	1979-1983	Good	Effect of material deposition ongoing (upstream, downstream).	Groyne connection, head material and starting effect of material deposition upstream and downstream visible. On the groyne connection downstream visible lack of stone below groyne crown.
36	1397/12	1397-L2	2/8	T-groyne	1397+970	85,97	80,59	2,00	No data	No data	No data	No data	Good	Effect of material deposition ongoing (upstream, downstream).	Groyne connection, head material and starting effect of material deposition upstream and downstream visible. Fallen trees present on the groyne crown connection.

RIVER REGULATION INFRASTRUCTURES – LEFT BANK OF DANUBE RIVER

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37	1397/11	1397-L1	2/8	T-groyne	1397+362	91,82	80,34	2	0	0	0	1979-1983	Good	Effect of material deposition ongoing (upstream, downstream).	Groyne connection, head material and starting effect of material deposition upstream and downstream visible. On the groyne connection downstream visible lack of stone below groyne crown.
38	1396/12	1396-L1	2/8	T-groyne	1396+824	91,36	78,71	2	1:1 -	1:1,5 -	0	1976	Good	Effect of material deposition finished (upstream, downstream).	Groyne connection, head material and significantly effect of material deposition upstream and downstream visible. Trees present on the groyne crown connection.
39	1395/13	1395-L1	2/8 2/9	Revetment	1395+615 do 1395+288	384,67	78,20	0	0	0	0	1965-1967	Good	River bank erosion protection ongoing at low water levels.	Visible material revetment. Vegetation and trees present above the infrastructure.
40	1394/11	1394-L1	2/9	Revetment	1395+288 do 1394+480	806,21	78,22	1	0	0	0	1972-1973	Good	River bank erosion protection ongoing at low water levels.	Visible material revetment. Vegetation and trees present above the infrastructure.

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41	It is not visible in "Cadastre"	1308-L1	No data	Revetment	1309+840 do 1308+617	1468,76	75,55	No data	No data	No data	No data	No data	Good	River bank erosion protection ongoing at low water levels.	Stone revetment. Visible material revetment. Vegetation and trees present above the infrastructure.
42	1390/11	1388-L3	2/9 2/10	Revetment	1389+761 do 1388+890	1086,96	79,62	0	0	0	0	1898-1906	Good	River bank erosion protection ongoing at low water levels.	Begins at rkm 1390. Material of the structure and two groynes are visible g. Observed backfilling from the body of the building towards the shore. Effect of material deposition ongoing.
43	It is not visible in "Cadastre"	1315-L1	No data	Revetment	1318+381 do 1315+187	3561,75	75,81	No data	No data	No data	No data	No data	Bad	River bank erosion protection failed.	Stone revetment. Visible material revetment. Vegetation and trees present above the infrastructure.
44	1388/11	1388-L1	2/10	T-groyne	1388+376	82,18	80,20	2	0	0	0	1979-1983	Excellent	Effect of material deposition ongoing (upstream, downstream).	T-groyne, groyne connection, head material and effect of material deposition upstream and downstream visible.

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45	1387/12	1387-L2	2/10	T-groyne	1387+888	104,24	80,14	2	1:1 -	1:1:1.5 -	0	1977	Good	Effect of material deposition ongoing (upstream, downstream).	T-groyne, groyne connection, head material and effect of material deposition upstream and downstream visible. Vegetation present on the crown of the infrastructure.
46	It is not visible in "Cadastre"	1323-L1	No data	Revetment	1327+677 do 1323+925	3725,07	76,66	No data	No data	No data	No data	No data	Satisfying	River bank erosion protection ongoing at low water levels.	Revetment material visible at low water levels on the river side. River bank erosion behind revetment present. Vegetation present above the infrastructure.
47	1383/12 1383/11	1382-L2	2/11	Revetment	1383+971 do 1382+473	1309,07	78,10	No data	No data	No data	No data	No data	Bad	River bank erosion protection failed.	Stone revetment. River bank erosion behind revetment present. Visible material revetment at low water levels. Revetment in continuity.

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48	1382/11	1382-L1	2/1	Imported fill	1382+344 do 1382+148	187,67	83,18	15	0	0	0	1975-1976	Satisfying	Barrier on backwater flow failed at low water level.	Visible material revetment along the slope downstream. Vegetation above the revetment. On the upstream part of the infrastructure, revetment material is not visible.
49	1381/11	1381-L1	2/1	T-groyne	1381+241	82,61	79,67	2	1:1 -	1:1.15 -	0	1973-1974	Excellent	Effect of material deposition ongoing (upstream, downstream).	Groyne connection, head material and effect of material deposition upstream and downstream visible. Trees present on the groyne crown connection.
50	1380/12	1380-L2	2/1	T-groyne	1380+837	84,03	79,89	2	1:1 -	1:1.15 -	0	1974	Excellent	Effect of material deposition ongoing (upstream, downstream).	Groyne connection and head material visible. Starting effect of material deposition upstream. Downstream effect of material deposition finished.

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51	1380/11	1380-L1	2/2	T-groyne	1380+199	95,57	79,87	2	1:1 -	1:1.15 -	0	1976	Excellent	Effect of material deposition ongoing (upstream, downstream).	Groyne connection, head material and starting effect of material deposition upstream and downstream visible. Trees present on the groyne crown connection.
52	1379/12	1379-L2	2/2	T-groyne	1379+588	119,68	79,74	2	1:1 -	1:1.15 -	0	1976	Good	Effect of material deposition ongoing (upstream, downstream).	Groyne connection and head material visible. Visible deformation of the part of groyne head upstream. Starting effect of material deposition upstream. Downstream effect of material deposition finished.
53	1379/11	1379-L1	2/2	T-groyne	1379+058	53,27	79,67	2	1:1 -	1:1.15 -	0	1974	Satisfying	Effect of material deposition finished (upstream, downstream).	Groyne head material and effect of material deposition upstream and downstream visible. Trees present on the groyne crown connection.

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54	1375/11	1374-L1	2/3	Revetment	1374+911 do 1374+031	976,28	79,71	0	0	0	0	1910-1917 1963-1964	Bad	River bank erosion protection failed.	Stone revetment. River bank erosion behind revetment present. Visible material revetment at low water levels from the river side.
55	1373/10	1373-L2	2/3	Barrier	1373+269 do 1373+839	144,36	80,11	0	0	0	0	1910-1914	Bad	Barrier on backwater flow failed at low water level.	Barrier material visible. Irregular geometry of the structure. Downstream open barrier.
56	1372/11	1373-L1	2/3	Revetment	1373+137 do 1373+000	132,41	77,37	0	0	0	0	1910-1914	Satisfying	River bank erosion protection ongoing at medium water levels.	Stone revetment. Visible parts of material revetment upstream.
57	1367/11	1367-L1	2/4	Revetment	1368+135 do 1367+521	686,66	77,34	0	0	0	0	1937-1940	Bad	River bank erosion protection failed.	Stone revetment. River bank erosion behind revetment present. Visible material revetment at low water levels from the river side.

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58	1366/12	1366-L1	2/4	Revetment	1367+510 do 1366+727	834,08	77,28	0	0	0	0	187-1893	Good	River bank erosion protection ongoing at high water levels.	Stone revetment. Visible material revetment. Vegetation and trees present above the infrastructure. Downstream on the revetment operational plateau of the Port of Dunav-Bogojevo.
59	1365/11	1362-L2	2/4	Revetment	1366+360 do 1361+862	4745,33	77,16	0	0	0	0	1893-1908	Bad	River bank erosion protection failed.	Stone revetment. Irregular geometries of the structure. At the settlement of Bogojevo, concrete stairs were built along the slope of the revetment. At the floodgate on the Danube-Tisa-Danube canal, the revetment material is from stone blocks. Downstream of the floodgate partially visible material and vegetation above the structure.

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60	1361/12	1361-L1	2/5	T-groyne	1361+336	53,75	78,10	2	1:1 -	1:1.15 -	0	1978	Good	Effect of material deposition ongoing (upstream, downstream).	Groyne connection, head material and starting effect of material deposition upstream and downstream visible. On the groyne connection downstream visible lack of stone below groyne crown.
61	1361/11	1360-L1	2/5	T-groyne	1360+978	76,75	78,72	2	1:1 -	1:1.15 -	0	1978	Good	Effect of material deposition ongoing (upstream, downstream).	Groyne connection, head material and starting effect of material deposition upstream and downstream visible. On the groyne connection downstream visible lack of stone below groyne crown.

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62	1358/13	1354-L1	2/6	Revetment i Parallel structure	1360+121 do 1354+950	5051,73	77,19	2	1:1.5	1:2	0	1981	Satisfying	River bank protection from erosion ongoing at low water levels. Effect of material deposition ongoing (upstream, downstream).	Stone revetment. Visible material revetment. Above the structure vegetation and trees are present. Downstream of rkm 1355, the revetment is in bad conditions, river bank protection failed at low water levels. Visible parallel structure material. In continuity with the revetment.
63	It is not visible in "Cadastre"	1349-L2	No data	T-groyne	1349+818	76,62	78,94	No data	No data	No data	No data	No data	Good	Effect of material deposition ongoing (upstream, downstream).	Groyne connection, head material and starting effect of material deposition upstream and downstream visible. On the groyne connection downstream visible lack of stone below groyne crown.

RIVER REGULATION INFRASTRUCTURES – LEFT BANK OF DANUBE RIVER															
R.br	**River regulation infrastructure mark(Cadastre mark) ****	**River regulation infrastructure mark**	**"Cadastre" page ****	**Name and type of river regulation infrastructure**	**Chainage of the river regulation infrastructure rkm or from rkm to rkm**	**Length of the river regulation infrastructure m**	**Crown elevetion of river regulation infrastructure m.a.s.l.**	**Crown widht of river regulation infrastructure m ****	**Slope inclinations – upstream ****	**Slope inclinations – downstream ****	**Cross-sectional area of river regulation infrastructure ****	**Year of execution of works ****	**The condition of the river regulation infrastructure**	**Functionality of river regulation infrastructure**	**Additional notes**
64	1349/12	1349-L1	2/8	T-groyne	1349+183	71,64	79,20	2	1:1 -	1:1.5 -	0	1983	Good	Effect of material deposition ongoing (upstream, downstream).	Groyne connection, head material and starting effect of material deposition upstream and downstream visible. Vegetation present on the groyne crown connection.
65	1349/11	1348-L1	2/8	T-groyne	1348+577	86,19	79,05	2	1:1 -	1:1.5 -	0	1983	Good	Effect of material deposition ongoing (upstream, downstream).	Groyne connection and head material visible. Starting effect of material deposition upstream. Downstream effect of material deposition finished. Trees present on the groyne crown connection and head.
66	1342/11	1341-L1	2/9	Revetment	1345+622 do 1341+684	5170,32	77,31	0	0	0	0	1319-1923 1938-1939 1947	Excellent/Bad	River bank erosion protection ongoing at medium water levels upstream from rkm 1345. Downstream from rkm 1345 river bank erosion protection failed.	Upstream from rkm 1345, river bank erosion protection ongoing at medium water levels. Downstream from rkm 1345, the revetment is in bad condition, river bank erosion protection failed at low water levels.

RIVER REGULATION INFRASTRUCTURES – LEFT BANK OF DANUBE RIVER															
R.br	**River regulation infrastructure mark(Cadastre mark) ****	**River regulation infrastructure mark**	**"Cadastre" page ****	**Name and type of river regulation infrastructure**	**Chainage of the river regulation infrastructure rkm or from rkm to rkm**	**Length of the river regulation infrastructure m**	**Crown elevetion of river regulation infrastructure m.a.s.l.**	**Crown widht of river regulation infrastructure m ****	**Slope inclinations – upstream ****	**Slope inclinations – downstream ****	**Cross-sectional area of river regulation infrastructure ****	**Year of execution of works ****	**The condition of the river regulation infrastructure**	**Functionality of river regulation infrastructure**	**Additional notes**
67	It is not visible in "Cadastre"	1387-L1	No data	Revetment	1387+428 do 1387+353	78,55	77,96	No data	No data	No data	No data	No data	Good	River bank erosion protection ongoing at medium water levels.	Stone revetment. Visible material revetment. Vegetation and trees present above the infrastructure.
68	It is not visible in "Cadastre"	1388-L2	No data	T-groyne	1388+731	136,16	80,20	No data	No data	No data	No data	No data	Excellent	Effect of material deposition ongoing (upstream, downstream).	T-groyne, groyne connection, head material and effect of material deposition upstream and downstream visible.
69	It is not visible in "Cadastre"	1389-L1	No data	Parallel structure	1390+052 do 1389+761	427,78	78,73	No data	No data	No data	No data	No data	Good	River bank protection from erosion ongoing at low water levels.	Parallel structure material visible. Vegetation and trees present above the infrastructure. Starting downstream of the revetment 1388-L3.
70	It is not visible in "Cadastre"	1408-L1	No data	Revetment	1408+502 do 1408+198	291,88	78,50	No data	No data	No data	No data	No data	Bad	River bank erosion protection failed.	Revetment near the Vagoni settlement. On slopes visible stone, car tires and reinforced concrete stairs, irregular geometry structure.
71	It is not visible in "Cadastre"	1426-L1	No data	Groyne	1426+282	30,47	81,36	No data	No data	No data	No data	No data	Bad	Effect of material deposition ongoing (upstream, downstream).	Parts of groyne material and effect of material deposition upstream and downstream visible.

RIVER REGULATION INFRASTRUCTURES – LEFT BANK OF DANUBE RIVER															
R.br	**River regulation infrastructure mark(Cadastre mark) ****	**River regulation infrastructure mark**	**"Cadastre" page ****	**Name and type of river regulation infrastructure**	**Chainage of the river regulation infrastructure rkm or from rkm to rkm**	**Length of the river regulation infrastructure m**	**Crown elevetion of river regulation infrastructure m.a.s.l.**	**Crown widht of river regulation infrastructure m ****	**Slope inclinations – upstream ****	**Slope inclinations – downstream ****	**Cross-sectional area of river regulation infrastructure ****	**Year of execution of works ****	**The condition of the river regulation infrastructure**	**Functionality of river regulation infrastructure**	**Additional notes**
72	It is not visible in "Cadastre"	1426-L2	No data	Parallel structure	1426+500 do 1426+449	55,62	82,03	No data	No data	No data	No data	No data	Bad	Effect of material deposition ongoing (upstream, downstream).	Parts of parallel structure material and effect of material deposition upstream and downstream visible.
73	It is not visible in "Cadastre"	1432-L2	No data	Groyne	1432+748	33,58	79,81	No data	No data	No data	No data	No data	Satisfying	Effect of material deposition finished (upstream, downstream).	Groyne material and effect of material deposition upstream and downstream visible.
74	1297/13	1297-L3	2/18	T-groyne	1297+889	252,48	75,94	2	1:1 -	1:1.5 -	0	1976	Satisfying	Effect of material deposition finished (upstream, downstream).	Groyne head material and vegetable on groyne crown visible. Downstream and upstream effect of material deposition finished. Connected with groyne head 1297-L2.
75	1297/12	1297-L2	2/18	T-groyne	1297+477	356,02	76,06	2	1:1 -	1:1.5 -	0	1976	Satisfying	Effect of material deposition finished (upstream, downstream).	Groyne head material and vegetable on groyne crown visible. Downstream and upstream effect of material deposition finished. Connected with groyne head 1297-L3.

RIVER REGULATION INFRASTRUCTURES – LEFT BANK OF DANUBE RIVER															
R.br	**River regulation infrastructure mark(Cadastre mark) ****	**River regulation infrastructure mark**	**"Cadastre" page ****	**Name and type of river regulation infrastructure**	**Chainage of the river regulation infrastructure rkm or from rkm to rkm**	**Length of the river regulation infrastructure m**	**Crown elevetion of river regulation infrastructure m.a.s.l.**	**Crown widht of river regulation infrastructure m ****	**Slope inclinations – upstream ****	**Slope inclinations – downstream ****	**Cross-sectional area of river regulation infrastructure ****	**Year of execution of works ****	**The condition of the river regulation infrastructure**	**Functionality of river regulation infrastructure**	**Additional notes**
76	1297/11	1297-L1	2/18	T-groyne	1297+116	71,76	76,23	2	1:25 -	1:1.5 -	0	1976	Good	Effect of material deposition ongoing (downstream).	Groyne head material and vegetable on groyne crown visible. Downstream and upstream effect of material deposition ongoing.
77	1296/12	1296-L2	2/18	T-groyne	1296+796	27,64	76,05	2	1:25 -	1:1.5 -	0	1979	Good	Effect of material deposition ongoing (downstream).	Groyne head material and vegetable on groyne crown visible. Downstream and upstream effect of material deposition ongoing.
78	1296/11	1296-L1	2/18	T-groyne	1296+413	285,83	75,24	0	0	0	0	1979	Good	Effect of material deposition ongoing (downstream).	Groyne head material and vegetable on groyne crown visible. Downstream and upstream effect of material deposition ongoing.

**information from the "Cadastral Register Table

5 GRAPHICAL ATTACHMENTS

1. Overview of the river regulation infrastructures on the Danube River - from rkm 1424 from 1433
2. Overview of the river regulation infrastructures on the Danube River - from rkm 1417 to 1424
3. Overview of the river regulation infrastructures on the Danube River - from rkm 1409 to 1417
4. Overview of the river regulation infrastructures on the Danube River - from rkm 1397 to 1409
5. Overview of the river regulation infrastructures on the Danube River - from rkm 1391 to 1397
6. Overview of the river regulation infrastructures on the Danube River - from rkm 1384 to 1391
7. Overview of the river regulation infrastructures on the Danube River - from rkm 1378 to 1384
8. Overview of the river regulation infrastructures on the Danube River - from rkm 1370 to 1378
9. Overview of the river regulation infrastructures on the Danube River - from rkm 1358 to 1370
10. Overview of the river regulation infrastructures on the Danube River - from rkm 1346 to 1358
11. Overview of the river regulation infrastructures on the Danube River - from rkm 1341 to 1346
12. Overview of the river regulation infrastructures on the Danube River - from rkm 1331 to 1341
13. Overview of the river regulation infrastructures on the Danube River - from rkm 1322 to 1331
14. Overview of the river regulation infrastructures on the Danube River - from rkm 1315 to 1322
15. Overview of the river regulation infrastructures on the Danube River - from rkm 1305 to 1315
16. Overview of the river regulation infrastructures on the Danube River - from rkm 1295 to 1305