



**FEM PARAMETERS – DUNAV**

**FP35**

100-year return period  
**HYDROLOGICAL PARAMETERS**

• Design flows  $Q_{100} = 9259.3 \text{ [m}^3/\text{s]}$   
 $Q_{\text{bankfull}} = 5269.0 \text{ [m}^3/\text{s]}$

• Peak reduction

| $\Delta Q \text{ [m}^3/\text{s]}$ | $\Delta Q_{\text{rel}} \text{ [%]}$ | FEM Class |
|-----------------------------------|-------------------------------------|-----------|
| 971.6                             | 24.35                               | 5         |

• Flood wave translation

| $\Delta t \text{ [h]}$ | FEM Class |
|------------------------|-----------|
| 0.14                   | 1         |

**HYDRAULIC PARAMETERS**

• Water level

| $\Delta h \text{ [m]}$ | FEM Class |
|------------------------|-----------|
| 0.17                   | 3         |

**ECOLOGICAL PARAMETERS**

• Connectivity of floodplain water bodies

| Historic Water Bodies  | FEM Class |
|--|-----------|
| 4 - FP Exist, Disconnected<br>$Q_{\text{connected}} > Q_{\text{bankfull}}$ | 1         |

• Existence of protected species and habitats

| Protected species | FEM Class |
|-------------------|-----------|
| 35 species        | 3         |

| Protected habitats | FEM Class |
|--------------------|-----------|
| 4% habitats        | 1         |

• Ecological water status

| Status               | No | FEM Class |
|----------------------|----|-----------|
| Status 1 - Very poor | 0  | 5         |
| Status 2 - Poor      | 1  |           |
| Status 3 - Moderate  | 0  |           |
| Status 4 - Good      | 2  |           |
| Status 5 - Very Good | D  |           |

*Note:  
D = Danube  
(main watercourse)*

**HYDRAULIC PARAMETERS**

• Land use

| Value | FEM Class |
|-------|-----------|
| 4.48  | 5         |

• Potentially affected buildings

| No houses / km <sup>2</sup> | FEM Class |
|-----------------------------|-----------|
| 1.48                        | 3         |

**Need for preservation: YES**

**RESTORATION PRIORITY High**

**Legend**

- WL gauges
- Affected buildings
- Rivers
- Flood Zone Extent (AFP)

0 1 2 3 4 km

Map projection - HTRS96 TM

Date: July 2020.

DATA SOURCE:  
 Hrvatske vode  
 Državna geodetska uprava  
 Other Institutions

**KU217**

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