



FEM PARAMETERS – DUNAV

FP32

100-year return period

HYDROLOGICAL PARAMETERS

- Design flows $Q_{100} = 9105.5 \text{ [m}^3/\text{s]}$
 $Q_{\text{bankfull}} = 5195.7 \text{ [m}^3/\text{s]}$
- Peak reduction

| $\Delta Q \text{ [m}^3/\text{s]}$ | $\Delta Q_{\text{rel}} \text{ [%]}$ | FEM Class |
|-----------------------------------|-------------------------------------|-----------|
| 456.00 | 10.79 | 5 |

| Flood wave translation $\Delta t \text{ [h]}$ | FEM Class |
|---|-----------|
| 0,09 | 1 |

HYDRAULIC PARAMETERS

- Water level

| $\Delta h \text{ [m]}$ | FEM Class |
|------------------------|-----------|
| 0.30 | 3 |

ECOLOGICAL PARAMETERS

- Connectivity of floodplain water bodies

| Historic Water Bodies | FEM Class |
|--|-----------|
| 2 - FP Exist, connected $Q_{\text{connected}} \leq Q_{\text{bankfull}}$ | 5 |

- Existence of protected species and habitats

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

| Protected habitats | FEM Class |
|--------------------|-----------|
| 57% habitats | 3 |

- Ecological water status

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

*Note:
D = Danube
(main watercourse)*

HYDRAULIC PARAMETERS

- Land use

| Value | FEM Class |
|-------|-----------|
| 4.78 | 5 |

- Potentially affected buildings

| No houses / km ² | FEM Class |
|-----------------------------|-----------|
| 0.87 | 5 |

Need for preservation: YES

RESTORATION PRIORITY Low

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



Contractor:
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