



FEM PARAMETERS – DUNAV

FP33

100-year return period

HYDROLOGICAL PARAMETERS

- Design flows $Q_{100} = 9422.0 \text{ [m}^3\text{/s]}$
 $Q_{\text{bankfull}} = 5442.1 \text{ [m}^3\text{/s]}$
- Peak reduction

$\Delta Q \text{ [m}^3\text{/s]}$	$\Delta Q_{\text{rel}} \text{ [%]}$	FEM Class
468.00	12.26	5

• Flood wave translation

$\Delta t \text{ [h]}$	FEM Class
0.13	1

HYDRAULIC PARAMETERS

• Water level

$\Delta h \text{ [m]}$	FEM Class
0.16	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
53% habitats	3

• Ecological water status

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

Note: S = Sava (main watercourse)

HYDRAULIC PARAMETERS

• Land use

Value	FEM Class
4.87	5

• Potentially affected buildings

No houses / km ²	FEM Class
0.53	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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