



FEM PARAMETERS – DUNAV

FP31

100-year return period

HYDROLOGICAL PARAMETERS

- Design flows $Q_{100} = 9885.4 \text{ [m}^3\text{/s]}$
 $Q_{\text{bankfull}} = 5011.6 \text{ [m}^3\text{/s]}$
- Peak reduction

$\Delta Q \text{ [m}^3\text{/s]}$	$\Delta Q_{\text{rel}} \text{ [%]}$	FEM Class
370.9	7.38	5
Flood wave translation $\Delta t \text{ [h]}$		FEM Class
0.07		1

HYDRAULIC PARAMETERS

Water level $\Delta h \text{ [m]}$	FEM Class
0.15	3

ECOLOGICAL PARAMETERS

- Connectivity of floodplain water bodies

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

- Existence of protected species and habitats

Protected species	FEM Class
35 species	3
Protected habitats	FEM Class
80% habitats	5

- Ecological water status

Status	No	FEM Class
Status 1 - Very poor	5	5
Status 2 - Poor	4	Note: D = Danube (main watercourse)
Status 3 - Moderate	2	
Status 4 - Good	2+D	
Status 5 - Very Good	1+D	

HYDRAULIC PARAMETERS

Land use	Value	FEM Class
	4.61	5
Potentially affected buildings	No houses / km ²	FEM Class
	1.78	3

Need for preservation: YES

RESTORATION PRIORITY High

Contractor:
Computer Classroom KU217 Limited,
Ground Floor 8-9, Marino Mart Fairview Clontarf Dublin 3,
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DATA SOURCE:
Hrvatske vode
Državna geodetska uprava
Other Institutions

0 1.5 3 4.5 6 km
Map projection-HTRS96 TM
Date: July 2020.