


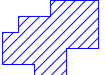




Legend

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

0 0.5 1 1.5 2 km
 Map projection-HTRS96 TM
 Date: July 2020.



DATA SOURCE:
 Hrvatske vode
 Državna geodetska uprava
 Other Institutions



Contractor:
 Computer Classroom KU217 Limited,
 Ground Floor 8-9, Marino Mart Fairview Clontarf Dublin 3,
 D03 P590 Dublin, Irska

FEM PARAMETERS – RIVER SAVA

AFPO6

100-year return period

HYDROLOGICAL PARAMETERS

- Design flows $Q_{100} = 5356 \text{ [m}^3/\text{s]}$
 $Q_{\text{bankfull}} = 3285 \text{ [m}^3/\text{s]}$

- Peak reduction

$\Delta Q \text{ [m}^3/\text{s]}$	$\Delta Q_{\text{rel}} \text{ [%]}$	FEM Class
483.55	23.35	5

- Flood wave translation

$\Delta t \text{ [h]}$	FEM Class
0.00	5

HYDRAULIC PARAMETERS

- Water level

$\Delta h \text{ [m]}$	FEM Class
0.51	5

- Flow velocity

$\Delta v \text{ [m/s]}$	FEM Class
0.05	1

- Shear stress

$\Delta \tau \text{ [N/m}^2]$	FEM Class
0.52	1

ECOLOGICAL PARAMETERS

- Connectivity of floodplain water bodies

Historic Water Bodies	FEM Class
4 - FP Exist, Disconnected $Q=4556 \text{ m}^3/\text{s} > Q_{\text{bankfull}}$	1

- Existence of protected species and habitats

Protected species	FEM Class
82 species	5

Protected habitats	FEM Class
92% habitats	5

- Ecological water status

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

HYDRAULIC PARAMETERS

- Land use

Value	FEM Class
4.81	5

- Potentially affected buildings

No houses / km ²	FEM Class
0.36	5

Need for preservation: YES

RESTORATION PRIORITY Low