FEM PARAMETERS – RIVER SAVA

100-year return period

HYDROLOGICAL PARAMETERS
- Design flows $Q_{100} = 2790 \text{ m}^3/\text{s}$
- Peak reduction
  $\Delta Q\text{ [m}^3/\text{s}]$ $\Delta Q_{\%}$ FEM Class
  $87.84$ $10.84$ $5$
- Flood wave translation
  $\Delta t\text{ [h]}$ FEM Class
  $37.00$ $5$

HYDRAULIC PARAMETERS
- Water level
  $\Delta h\text{ [m]}$ FEM Class
  $0.81$ $5$
- Flow velocity
  $\Delta V\text{ [m/s]}$ FEM Class
  $-0.11$ $1$
- Shear stress
  $\Delta \tau\text{ [N/m}^2]$ FEM Class
  $-1.34$ $1$

ECOLOGICAL PARAMETERS
- Connectivity of floodplain water bodies
  Historic Water Bodies FEM Class
  $5$
- Existence of protected species and habitats
  Protected species
  $162$ species
  $89\%$ habitats
- Ecological water status
  Status FEM Class
  Status 1 - Very poor $22$ $3$
  Status 2 - Poor $S$
  Status 3 - Moderate $8$
  Status 4 - Good $15$
  Status 5 - Very Good $14$

HYDRAULIC PARAMETERS
- Land use
  Value FEM Class
  $4.47$ $5$
- Potentially affected buildings
  No houses / km$^2$ FEM Class
  $3.57$ $3$

RESTORATION PRIORITY
- Need for preservation: YES
- Status
  Status 1 - Very poor
  Status 2 - Poor
  Status 3 - Moderate
  Status 4 - Good
  Status 5 - Very Good

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