**FEM PARAMETERS – RIVER SAVA AFP03**

100-year return period

**HYDROLOGICAL PARAMETERS**
- Design flows $Q_{100} = 3134 \text{ m}^3/\text{s}$
- Peak reduction
  - $\Delta Q = 5.24 \text{ m}^3/\text{s}$
  - $\Delta Q_{\text{rel}} = 0.51\%$
- Flood wave translation $\Delta t = 2.0 \text{ h}$

**HYDRAULIC PARAMETERS**
- Water level $\Delta h = 0.16 \text{ m}$
- Flow velocity $\Delta v = 0.01 \text{ m/s}$
- Shear stress $\Delta \tau = 0.10 \text{ N/m}^2$

**ECOLOGICAL PARAMETERS**
- Connectivity of floodplain water bodies
  - Historic Water Bodies
    - FEM Class 1
    - 4 - FP Exist, Disconnected
    - $Q_{\text{bankfull}} = 2219 \text{ m}^3/\text{s}$
- Existence of protected species and habitats
  - Protected species
    - 85 species
  - Protected habitats
    - 100% habitats
- Water level
  - Status
    - S = Sava (main watercourse)
    - Status 1 - Very poor
    - Status 2 - Poor
    - Status 3 - Moderate
    - Status 4 - Good
    - Status 5 - Very Good
- Ecological water status
  - Status
    - 0

**HYDRAULIC PARAMETERS**
- Potentially affected buildings
  - 4.83
- Land use
  - 0.45

**Need for preservation:** YES

**RESTORATION PRIORITY**
- Medium