

VODOHOSPODÁRSKA VÝSTAVBA, š.p.

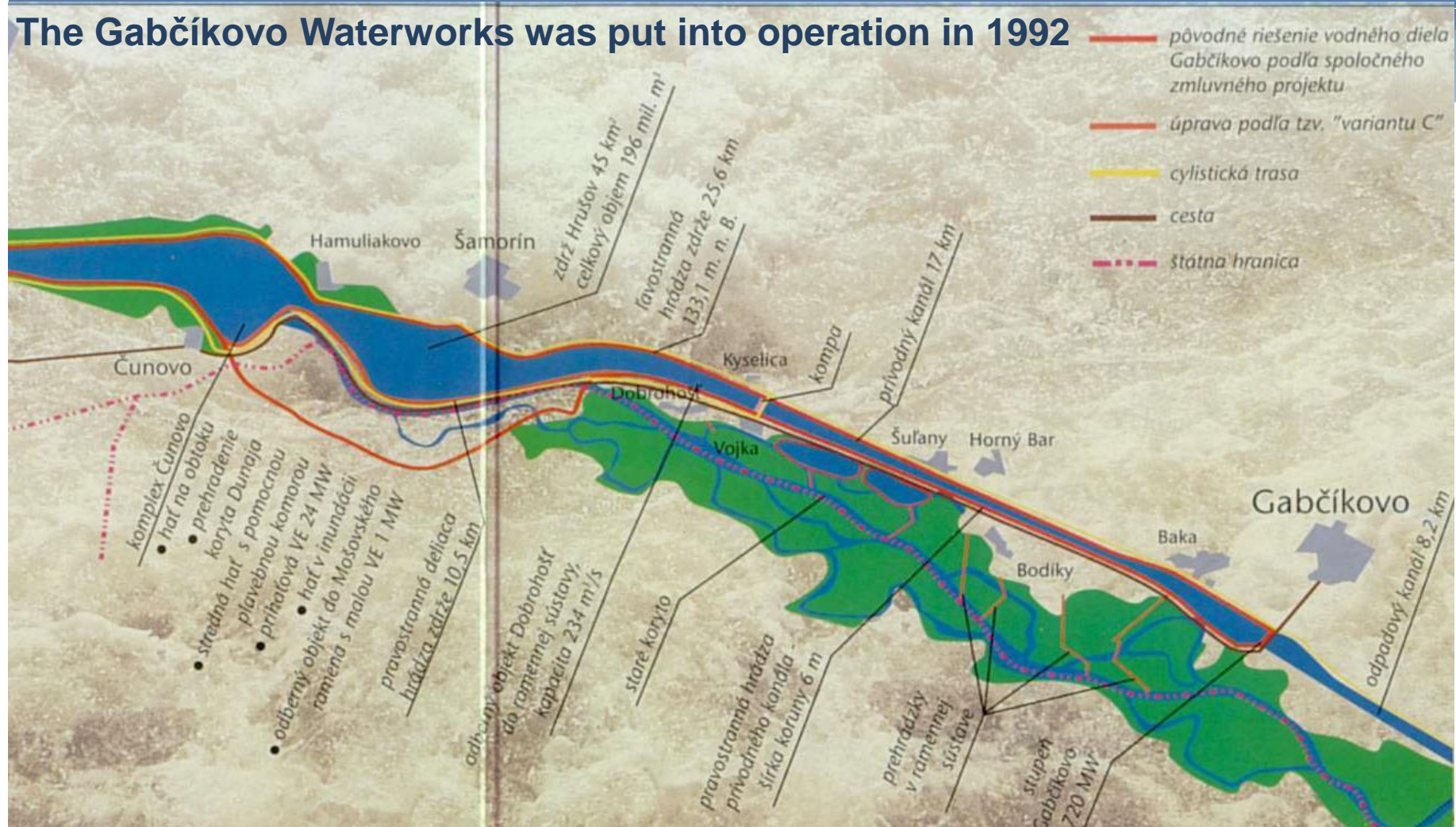
# Plans of fish pass construction in Čunovo

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# THE GABČÍKOVO WATERWORKS

The Gabčíkovo Waterworks was put into operation in 1992



The Čunovo Waterworks (WW) was designed to ensure the operation of the Gabčíkovo WW as part of the Gabčíkovo – Nagymaros WW System when the works at Nagymaros were stopped. Maximum head at the Čunovo WW is 9,0 m.

# THE ČUNOVO WATERWORKS

Bypass weir

Areal of water sports

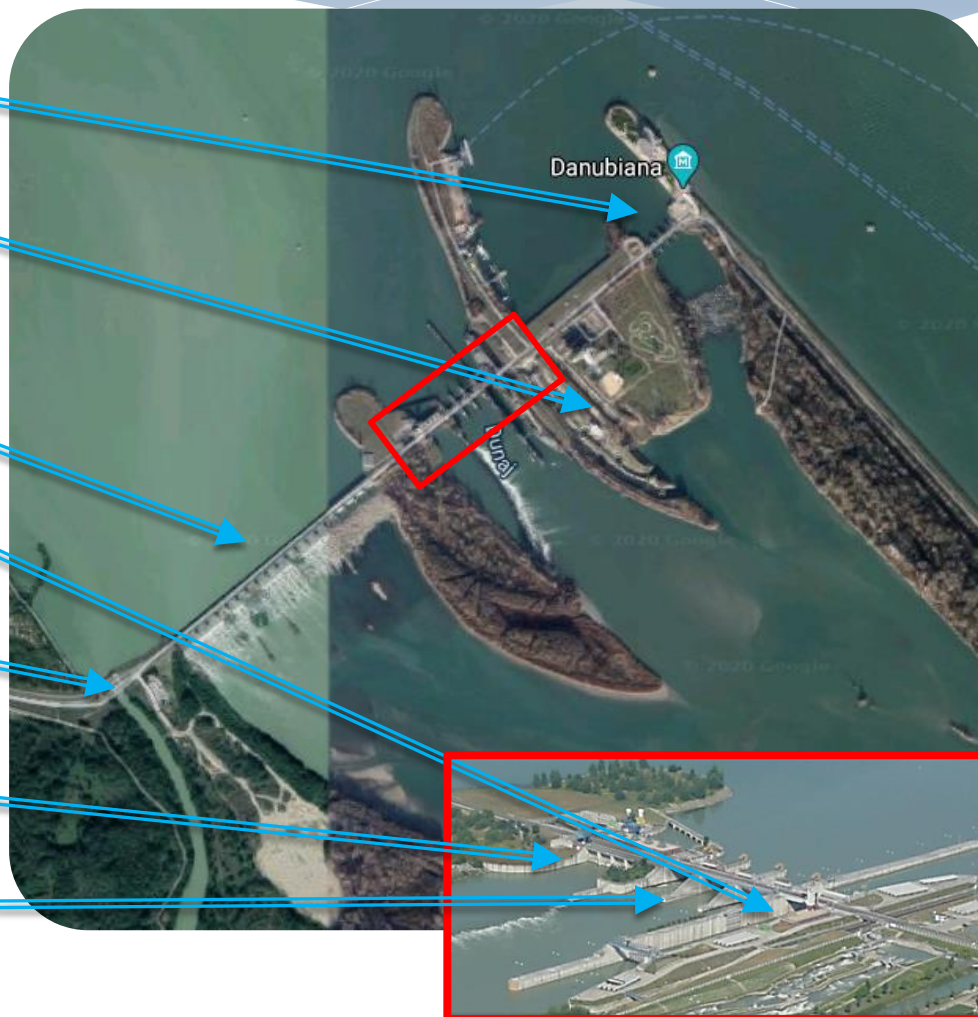
Inundation weir

Auxiliary lock chamber

The Mošon SHPP

Middle weir

Hydropower plant





# THE ČUNOVO WATERWORKS



**The Čunovo HPP**

- The Čunovo WW supplies the old Danube channel with water.
- The water supplement discharge is set by the „Agreement between Government of the Slovak Republic and Government of the Republic of Hungary concerning certain temporary technical measures and discharges in the Danube and Mosoni branch of the Danube“ from 19.4.1995.
- The supplement discharge to the old Danube varies mostly between 250 – 600 m<sup>3</sup>.s<sup>-1</sup>.
- The water is primarily discharged to the old Danube through the Čunovo HPP with capacity of 360 m<sup>3</sup>.s<sup>-1</sup>.

- The rest of the discharge is passed over the middle weir or other objects of the Čunovo WW.
- To use a larger discharge energetically, VV, š.p. started project preparation for Čunovo II HPP, which is to be situated beside the original HPP.
- At the Čunovo WW, no fish pass is built, as the former legislation did not set such a requirement; therefore, **the fish pass is a part of the Čunovo II HPP project**, too.
- Currently, only downstream fish migration is possible through the bypass weir.

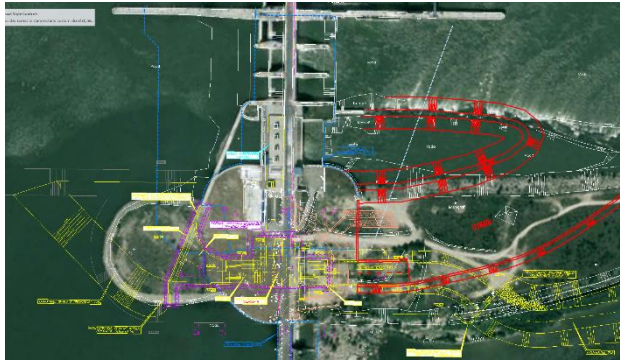


**Bypass weir**

# The Čunovo II HPP PROJECT

- The new HPP is planned to be located on the artificial island between the original HPP and the inundation weir.
- As the basis for the assessments within the project preparation, the design suggested by technical and economic study from 2010 was used.

**Design from 2010  
(Hydroconsulting)**

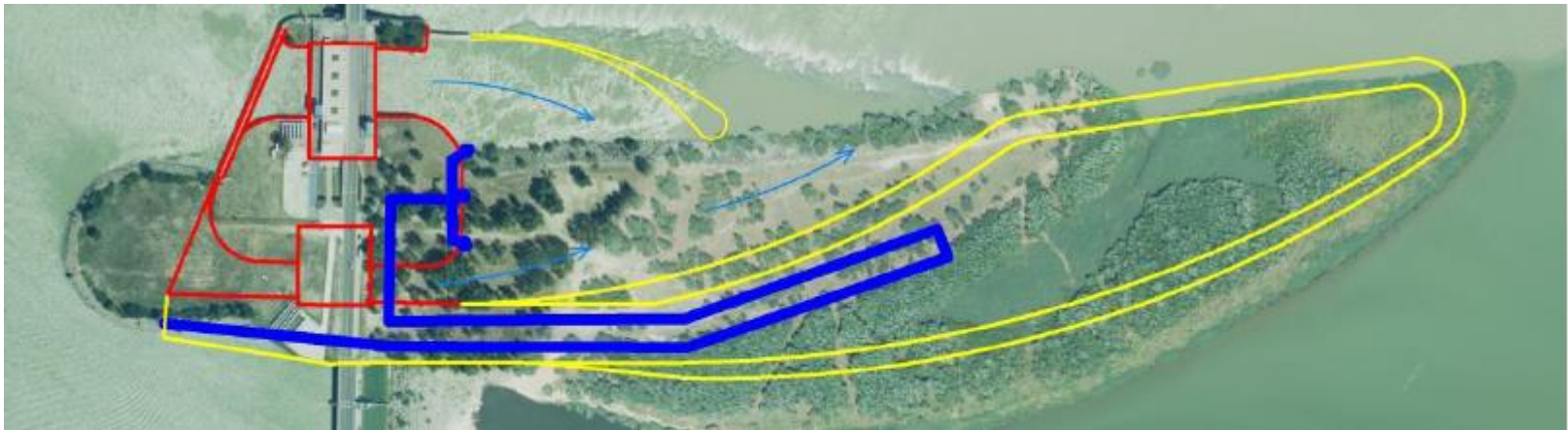


- The design from 2010 was first assessed by STU in 2020 and then was forwarded to EIA. It was also basis for the feasibility study for the Čunovo II HPP elaborated in 06/2023.
- Within the EIA, the scope of assessment was issued in 2022, in which requirements for construction of a fish pass were set.



# THE ČUNOVO II HPP PROJECT

- Basis for design of the fish pass as a part of the Čunovo II HPP project is a biological assignment elaborated by VÚVH in 08/2023.
- The biological assignment suggests a comprehensive measures and recommendations based on existing legislation and professional documents along with taking into account the latest scientific knowledge and experience in the field of building fish passes at home and abroad.



- Based on the biological assignment, the type, location and parameters of the fish pass will be recommended within the outputs of the Project 101069837 - LIFE21-IPE-SK-LIFE Living Rivers coordinated by VÚVH.
- The recommendations will be incorporated in project documentation of the Čunovo II HPP, the works on which are expected to start in 2025.

**Ďakujeme Vám za pozornost'**

**Thank you for your attention**