

Optimisation of the Side Channel Compensating Measure M8 Aue Wallbach

Client

Kraftwerk Ryburg-Schwörstadt AG

Consultant

IUB Engineering AG

Construction period

2013

Construction costs

CHF 90,000

Scope of services

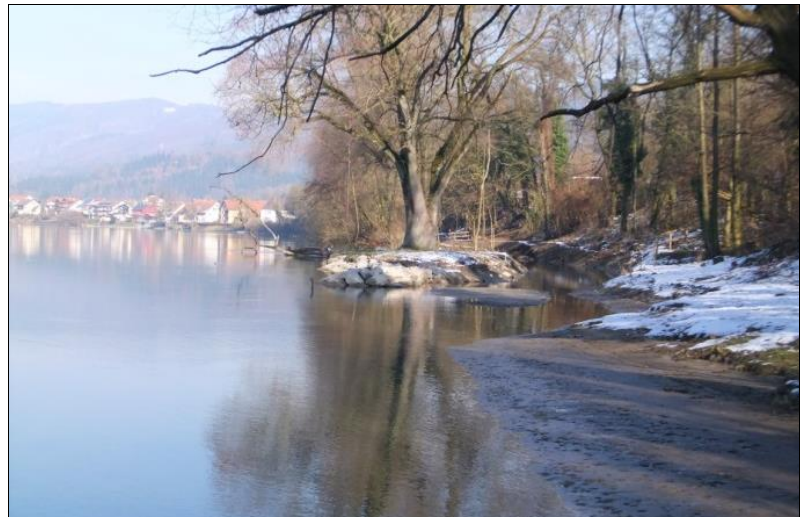
Planning and design of the optimisation measures, construction management and supervision

Description

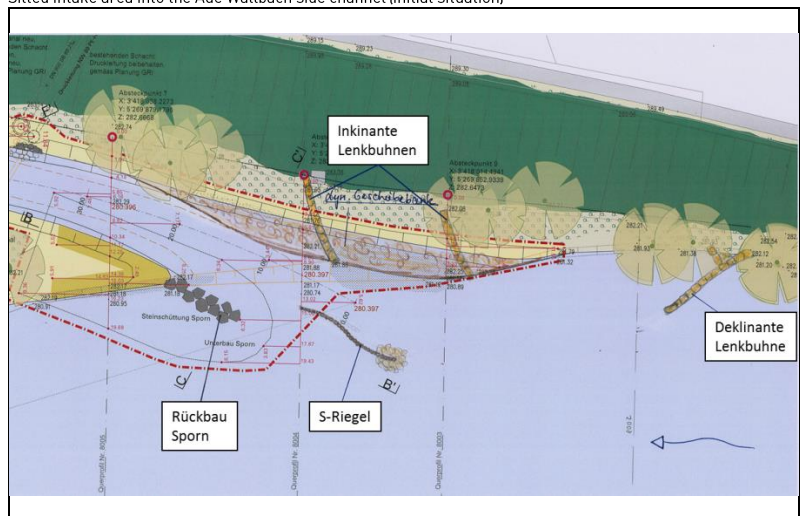
A branch of the Aue Wallbach was reopened as an ecological compensation measure of the Ryburg-Schwörstadt Power Plant in the autumn of 2012 and already in December 2012 it was silted up. To reduce the tendency to silt up IUB Engineering was commissioned to design a system of water structures close to the river bed (micro-groynes, S-bars) and supervise implementation. The side channel was also dredged.

Main technical data

- Length of side channel 150 m
- Two natural stone micro-groynes
- S-shaped bar and groynes made from wooden piles
- Construction measures conducted from a pontoon
- Filling on the right bank and securing with root wads
- Ecological upgrade of the side channel with deadwood structures



Silted intake area into the Aue Wallbach side channel (initial situation)



Optimisation measures for the side channel



Stake barrier to optimise side channel flow (state of construction)