

Preliminary design analyses for the flood control reservoir in the river basin Müglitz

C&E · Consulting und
Engineering GmbH



D-09117 Chemnitz • Jagdschänkenstraße 52
Tel.: +49 (0) 371 881 4228 • Fax: +49 (0) 371 881 4311
E-mail: info@cue-chemnitz.de
Internet: www.cue-chemnitz.de

Objective: Optimised identification of variants for the flood control reservoir in the river basin Müglitz

Location: Müglitztal/
Germany

Client: LTV Saxony

Beneficiary: LTV Saxony

Duration: 2003-2004



Initial situation:

After evaluation of the flood basin in August 2002, it was decided to improve the flood control in Müglitztal. The substantiated design of the flood control reservoir has been elaborated for the river basin Müglitz. The additional scope was supporting the economic efficiency of the flood control reservoir with a cost benefit analysis and to define the project viability under consideration of all relevant interests (nature protection, transportation system, land occupancy).

Scope of Services:

- Establishment of hydro-geological and hydrological model for flood areas
- Evaluation of retention effects of potential flood control reservoir areas with controlled and uncontrolled basin discharge
- Verification of conflict potential and viability of the project (nature protection, transportation system, land occupancy)
- GIS-based evaluation of the flood damage potential and cost benefit analysis
- Variation of recommended actions and draw models for the further design

