

**Analysis of the hydraulic ratios of the discharge system in the run-off capacity on the industrial settling pond Helmsdorf and Dänkritz I**

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**Project Objective:** Detailed analysis and evaluation of the hydraulic ratios of the discharge system (Oberrothenbacher Bach, Wüstergrundbach, Lauterbach and Zinnbach) in the run-off capacity area in industrial settling pond Helmsdorf and Dänkritz I.

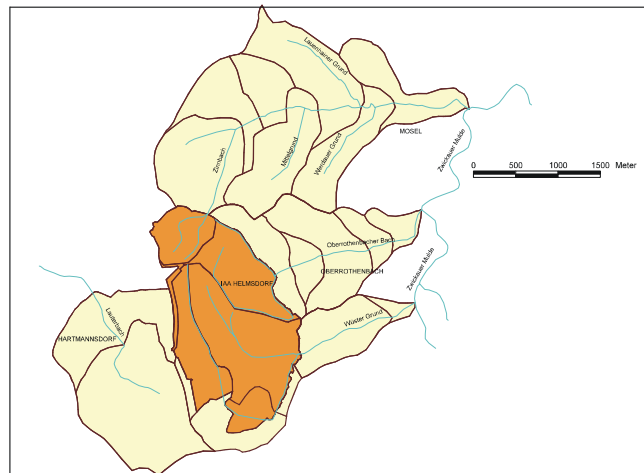
**Location:** Zwickau

**Client:** Wismut GmbH

**Beneficiary:** Wismut GmbH

**Duration:** 2001

**Initial situation:**



The safe-keeping of the industrial settling pond Helmsdorf and Dänkritz I with the partial dewatering is an integral part of the implementation of the remediation concept on the location of the former water treatment plant Crossen. To ensure a harmless surface water discharge, it is necessary to investigate the hydraulic ratios of the discharge system in the run-off capacity.



**Services provided:**

- Investigation on-site of stream cross-sections
- Measuring of cross-sections
- Calculation of the flow rate maximal discharged
- Hydraulically calculation
- Determination of the backwater endangered areas
- Derivation of the optimal solution fort he harmless surface water discharge
- Derivation of remediation measures
- Cost estimation for the construction of the hydraulic structure