

FRITZBACH POWER PLANT – SEDIMENT-SPECIFIC STUDY FRITZBACH

Client:

Salzburg AG

Country:

Austria

Duration:

from July 2012 to November 2012

Services:

Sediment-specific and hydraulic analyses

Project objectives

Evaluation of the current sediment balance of the Fritzbach stream between Hütttau and its discharge into the Salzach river (approx. 9.5 km)
Transport calculations of hydraulic and sediment-specific transport capacities at selected sections of the body of water

Project description

Characteristic sediment samples were analysed along the Fritzbach stream. Inspections were carried out and characteristic sections of the body of water were selected and documented. Afterwards, the limiting conditions for bed-load discharge were identified. Transport calculations were carried out and the changes caused by the construction of the hydraulic power plant were analysed.

Project data

River length approx. 9.5 km

Project specifics

Accompanying planning / analyses as part of the planning documents submitted for the Fritzbach power plant.

Services

Inspections

Sediment analyses and determination of grain size distributions

Hydraulic modelling

Identification of calibration data (water level / discharge)

Bed-load transport calculations and sediment analyses

Identification of the current and future (hydropower) sediment balance

