

## Water Collection



A fundamental prerequisite for an efficient water supply system is an efficient, high-capacity water collection system. That's why we have been advising our clients in all matters that arise in this field since as early as 1960.

We develop concepts, prepare the planning, supervise construction execution and assume the project management for all water collection facilities, both for new buildings and for renovations, alterations or expansions during ongoing operations.

Along with the hydrological, geological and hydrogeological fundamentals, all pertinent aspects of influence such as, for example, drinking water needs, ecological aspects, conflicting land uses, quality assurance as well as investment and operating costs come together in our planning through our interdisciplinary work together with other departments. Along with coupled surface and groundwater models, to solve our tasks we also have software developed in-house and geographic information systems at our disposal.

Technical assistance during the plan approval process and presentations that are effective in terms of publicity are likewise among our strengths. We use all the possibilities offered by modern graphic, layout and drafting software to visualize our planning.

### Services

- Hydrological, hydrogeological and geophysical investigations
- Soil probes, test pits, geophysics
- Groundwater and material transport models for granular soil and consolidated rock
- Certified planning and construction supervision for well and measuring point construction
- Spring catchments and infiltration galleries for groundwater extraction
- Intake equipment in drinking water reservoirs
- Piping and tunnels for raw water transport
- Well regeneration
- Water rights applications
- Assistance in the demarcation of water protection areas
- Water and soil protection concepts, measuring point networks
- Monitoring, preservation of evidence, and disaster response concepts for construction work within catchment areas
- Pollution control officer
- Consulting on groundwater protection for water supply companies
- Compilation of cooperative agreements

#### 1 Survey of hydrogeological fundamentals

Representation of the hydrological system

#### 2 Groundwater extraction

Well sinking