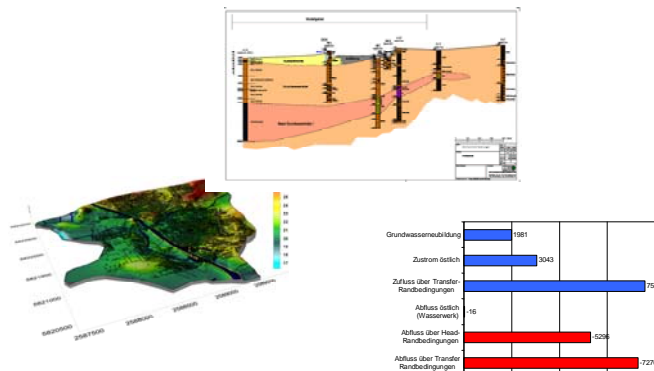




Dortmund-Ems-Canal



Project description:

In the course of embankments maintenance, the stability of the side embankments of the canal was to be improved in the municipal area of Lingen. The means seeming appropriate for this measure were bulkheads, as they were also able to reduce water losses from the canal at the same time. To forecast the effects on groundwater levels in the hinterland of the embankment, groundwater models were established for the areas affected.

Services:

- Establishment of a numeric groundwater flow model for the area between Lingen and Ems
- Simulation of the effects of a bulkhead in the canal side banks on the groundwater levels in the hinterland of the embankment

Client benefit:

- Solution of geotechnical problems by hydrogeological competence
- High acceptance by authorities involved

Project name:

Dortmund-Ems Canal, embankments maintenance in the municipal area of Lingen (Ems)

Country:

Germany

Project location:

Lingen (Ems), Lower Saxony

Client:

Wasser- und Schifffahrtsamt
(Water and Shipping Authority)
Duisburg-Meiderich
Emmericher Strasse 201
47138 Duisburg

Contact:

Water and Shipping Authority of
Meppen
Mr. Linke
++49 5931 848 11

Purpose:

Verification of recommendations for remediation in relation to embankments maintenance

Contract volume:

25 000.- € approx.

Project duration:

February – August 2008

Field of services:

Infrastructure planning,
Geohydraulics