

## HYDROLOGY - HYDROGEOLOGY

- Hydrocensus Studies
- Conceptual Modeling
- 3D Numerical Hydrogeological Modeling (Groundwater Flow Model, Contaminant Transport Model, Dewatering Model)
- Water Budget Determination
- Hydrological and Hydrogeological Survey and Impact Assessment
- Water Supply Research and Licensing
- Water Drilling and Aquifer (Pump-Slug) Test
- Engineering Hydrology Studies (Flood Hydrology)

## ENVIRONMENTAL GEOCHEMISTRY

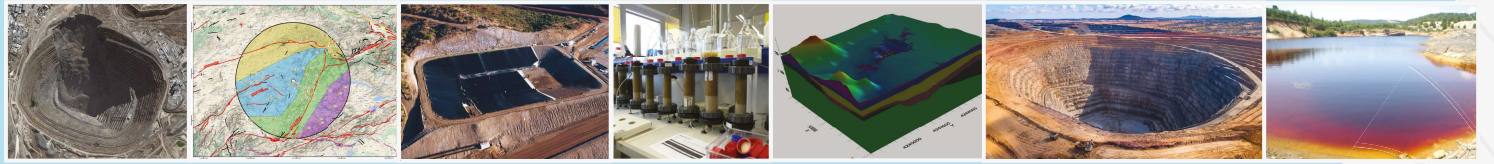
- Water Quality Monitoring, Evaluation
- Geochemical Characterization Studies of Rocks and Artificial Fillings (Paste Fill, Waste Fill, etc.)
- Acid Rock Drainage, Neutral and Alkaline Environment Drainage/Metal Leaching Potential Determination Studies
- Water Quality Prediction Modeling
- Mining Law, Mining Waste Regulation, MEND, LEAF and Gard Guide guidelines, EPA, IFC and WHO performance requirements Assessments

## GEOLOGY - GEOTECHNICS

- Geotechnical Research Drilling and In-Situ Tests
- Sample Selection and Laboratory Analysis
- Soil and Rock Mass Characterization
- Slope Stability Analysis
- Stress-Strain Analysis
- Ground Support Design
- Geological-Geotechnical Survey and Impact Assessment
- Natural Building Materials Research
- Geophysical Survey
- Seismic Hazard Analysis Studies

## PROJECT DESIGN

- Application Projects Specific to Mining Waste Disposal Facilities (Waste Storage Areas, Waste Storage Facilities, etc.)
- Rehabilitation and Closure Plans for Waste Storage Facilities
- Drainage Projects, Hydraulic Design
- Feasibility and Site Selection Studies for Planned Engineering Structures
- Flight and Ground Surveying Studies for Unit Areas
- 2D and 3D Mapping and Visualization Studies

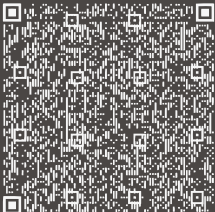


## EXPERIENCES

- 10+ Geological, geotechnical and hydrogeological background and impact assessment studies for EIA projects of gold and metallic mines
- 20+ Hydrogeological modeling (groundwater flow, dewatering and contaminant transport) studies for coal and metallic mining facilities
- 100.000 m+ Water drilling for, determination of hydrogeological characterizations of various projects
- 30.000 m+ Geotechnical drilling for, determination of engineering parameters of soil and rock units of various projects
- 20+ Projects & 100+ reports of water quality monitoring and evaluation studies in feasibility, operation and closure phases
- 10+ Projects of Acid Rock Drainage / Metal Leaching (AKD/ML) potential determination and geochemical characterization
- 100+ Geotechnical and natural building materials research studies, for planning and project phases in dam, pond and irrigation works
- 10+ projects for determination of the maximum ground acceleration on engineering structures will be exposed by seismic hazard analysis



### TEORI V-CARD



info@teoriyerbilimleri.com.tr

Yeni Bağlıca Mah. Çambayırı Cad. Çınar Plaza  
No: 66/2 Etimesgut / Ankara

+90 312 472 38 39 +90 312 472 39 33

www.teoriyerbilimleri.com.tr

