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The Second Edition of **HYDROGEOLOGY FIELD MANUAL** provides the latest information on applied applications in groundwater sampling and water-quality assessment, aquifer characterization, contamination issues, karst applications, and more. The book includes actual procedures, real-world decisions, and many examples and case studies to help you understand the occurrence and movement of groundwater in a variety of geologic settings.

Filled with tips, tricks-of-the-trade, and anecdotes from seasoned field hydrogeologists, the book explains how to gain instant expertise in most field methodologies and expand your abilities for data interpretation ... and other essential skills.

The Second Edition of **HYDROGEOLOGY FIELD MANUAL** features:

- Sage advice on how to collect hydrogeologic field data
- Guidance on drilling methods, safety, and work with drilling contractors
- A practical description of slug testing
- Effective site characterization methods
- Expert advice on monitoring-well design
- Over 250 skills-building illustrations and photos
- Two new chapters on karst hydrogeology, including characterization and performing dye tracer tests
- Chapters with new material, including more examples and worked problems

CAPITALIZE ON CUTTING-EDGE TECHNIQUES OF FIELD HYDROGEOLOGY

Field Hydrogeology • The Geology of Hydrogeology • Aquifer Properties • Basic Geophysics of the Shallow Subsurface • Groundwater Flow • Groundwater/Surface Water Interaction • Water Chemistry Sampling and Results • Drilling and Well Completion • Pumping Tests • Aquifer Hydraulics Slug Testing • Vadose Zone • Karst Hydrogeology • Tracer Tests • Dye Trace Testing

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