



MAKING GROUNDWATER UNDERSTANDABLE

Online Platform for Groundwater Knowledge

Building the human capacity for sustainable development and management of groundwater.

Books Published and Planned by the Groundwater Project

April 1, 2026

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1. Original Books Published by the Groundwater Project

(first book issued August 2020)

1. Groundwater in Our Water Cycle: Getting to Know the Earth's Most Important Freshwater Source. *E. Poeter, Y. Fan Reinfelder, J. Cherry, W. Wood, Doug Mackay (August 21, 2020)*
2. Hydrogeologic Properties of Earth Materials and Principles of Groundwater Flow: *B. Woessner, E. Poeter (August 21, 2020)*
3. Graphical Construction of Groundwater Flow Nets: *E. Poeter, P. Hsieh (August 21, 2020)*
4. Groundwater-Surface Water Exchange: *B. Woessner (October 4, 2020)*

5. Conceptual and Visual Understanding of Hydraulic Head and Groundwater Flow: *A. Cohen, J. Cherry (October 19, 2020)*
6. Groundwater Resources Development: Effects and Sustainability: *L. Konikow, J. Bredehoeft (October 27, 2020)*
7. Introduction to Isotopes and Environmental Tracers as Indicators of Groundwater Flow: *P. Cook (November 3, 2020)*
8. Groundwater Storage in Confined Aquifers: *H. Wang (November 10, 2020)*
9. Geologic Frameworks for Groundwater Flow Models: *JP Brandenburg (November 17, 2020)*
10. Groundwater Velocity: *R. Devlin (December 1, 2020)*
11. **Children's Book:** Wally and Deanna's Groundwater Adventures...: *L. Appleby, P. Russell, F. Restagno (2020)*
12. Hydrogeology and Mineral Resource Development: *L. Smith (March 24, 2021)*
13. Septic System Impacts on Groundwater Quality: *W. Robertson (May 11, 2021)*
14. Flux Equations for Gas Diffusion in Porous Media: *D. McWhorter (July 28, 2021)*
15. Land Subsidence and its Mitigation: *G. Gambolati, P. Teatini (August 11, 2021)*
16. Managed Aquifer Recharge: Southern Africa: *E. Braune and S. Israel (July 23, 2021)*
17. Groundwater Microbiology: *G. Ferris, N. Szponar, B. Edward (September 28, 2021)*
18. A Conceptual Overview of Surface and Near-Surface Brines and Evaporite Minerals: *W. Wood (December 14, 2021)*
19. Fluoride in Groundwater: *K. Nordstrom, P. Smedley (December 22, 2021)*
20. Electrical Imaging for Hydrogeology: *K. Singha, F. Day-Lewis, T. Johnson, L. Slater (December 14, 2021)*
21. Domestic Wells, Introduction and Overview: *J. Drage (March 3, 2022)*
22. Water Well Record Databases and Their Uses: *G. Kennedy (March 3, 2022)*
23. Introduction to Karst: *E. Kuniansky, C.J. Taylor, J. H. Williams, F. Paillet (May 6, 2022)*
24. Variable Density Groundwater Flow: *V.E.A. Post, C.T. Simmons (June 2, 2022)*
25. Large Aquifer Systems Around the World: *J. van der Gun (July 17, 2022)*
26. Distributed Fiber-Optic Hydrogeophysics: *S.W. Tyler, J.S. Selker, N. van de Giesen, T. Bogaard, J. Aguilar-López (July 17, 2022)*
27. **Children's Book:** Claire and the Invisible Water: *L. Cordeiro de Souza, M. Ribeiro (August 9, 2022)*
28. Dissolved Organic Carbon in Groundwater Systems: *F. Chapelle (August 29, 2022)*
29. The Edwards Aquifer: *J. Sharp, R. Green (September 11, 2022)*
30. Stable Isotope Hydrology: *R. Diamond (December 8, 2022)*
31. Fractures and Faults in Sandstone and Sandstone-Shale/Mudstone Sequences and Their Impact on Groundwater: *A. Aydin, R. Ahmadov, M. Antonellini, J. Cherry, A. Cilona, E. Flodin, G. de Jussineau, B. Parker, J. Zhong (January 2023)*
32. Groundwater in Peat and Peatlands: *J. Price, C. McCarter, W. Quinton (February 2023)*
33. Structural Geology Applied to Fractured Aquifer Characterization: *Amélia João Fernandes, Alain Rouleau, Eurípedes do Amaral Vargas Junior (April 2023)*
34. Groundwater Quality and Examples of Risk Procedures: *E. McBean (June 2023)*
35. Groundwater and Hydrothermal Ore Deposits: *M. Appold and G. Garven (July 2023)*
36. Colloid (Nano- and Micro-Particle) Transport and Surface Interaction in Groundwater: *W. Johnson, E. Pazmino (August 2023)*

37. Groundwater and Petroleum: *Y. Kharaka, B. Hitchon, J. Hanor (August 2023)*
38. Urban Groundwater: *K. Howard (September 2023)*
39. An Introduction to Hydraulic Testing in Hydrogeology: Basic Pumping, Slug, and Packer Methods: *W. Woessner, A.C. Stringer, and E. Poeter (September 2023)*
40. A Glossary of Hydrogeology: *J. Sharp (October 2023)*
41. Geophysical Logging for Hydrogeology: *J. Williams and F. Paillet (November 2023)*
42. Getting Started with MODFLOW: *R. Winston (November 2023)*
43. Introduction to Fluid Mechanics for Groundwater Scientists: *H. Klammler (November 2023)*
44. Biotic Transformations of Organic Contaminants: *B. Rittmann (Published December 2023)*
45. History and Hydraulics of Flowing Wells: *J. Xiaowei, J. Cherry (Published January 2024)*
46. Cross-Border Impacts Related to Transboundary Aquifers: Characterizing Legal Responsibility and Liability: *G. Eckstein (January 2024)*
47. Age Dating Young Groundwater: *K. Solomon, T. Gilmore (Published February 2024)*
48. The Elmvale Groundwater Observatory: *B. Shotyk et al. (March 2024)*
49. Darcy's Law in Variable Density Groundwater Systems: *F. Marinelli (May 2024)*
50. Properties of Organic Contaminants: *D. Mackay, R. Allen-King, W. Rixey (May 2024)*
51. Karst Environment and Management of Aquifers: *Z. Stevanovic, J. Gunn, N. Goldscheider, N. Ravbar (June 2024)*
52. Identifying International Legal Trends for Managing Transboundary Groundwater Resources: *G. Eckstein (July 2024)*
53. Flow and Distribution of Non-aqueous Phase Liquids: *K. Mumford, B. Kueper, R. Lenhard (October 2024)*
54. Public Health Risk Assessment and Risk Management for Groundwater to Ensure a Safe Drinking Water Supply: *S. Hrudey (November 2024)*
55. Hydrogeology of the Pannonian Basin: *I. Almasi and J. Szanyi (December 2024)*
56. Basic Hydrogeology: An Introduction to the Fundamentals of Groundwater Science: *M. Uliana (January 2025)*
57. Hydrogeochemistry - A Journey of Discovery: *W. Wood (February 2025)*
58. Hydrogeology and Geochemistry of Bottled Spring Waters in the United States: *F. Chapelle (February 2025)*
59. Quantification of Groundwater Recharge: *P. Cook and P. Brunner (May 2025)*
60. Using Groundwater Head Maps: *L. Toran (June 2025)*
61. Practical Groundwater Tracing with Fluorescent Dyes: *T. Aley, T. Osorno, R. Devlin (June 2025)*
62. Estimating the release date of MTBE: A Case Study *Doug Mackay (July 2025)*
63. Modern Subsurface Contaminant Hydrology: *T. Sale, J. Scalia (September 2025)*
64. Conjunctive Water Management: *R. Evans, R. Hanson (September 2025)*
65. Best Practices for Owners of Domestic Wells in Alluvial Aquifers: *K. Uhlman (February 2026)*
66. Groundwater Recharge to Discharge: *D. Allen (February 2026)*
67. Transboundary Groundwater Management in the Mackenzie River Basin, Canada: *R. Pentland (February 2026)*

68. An Interactive Physical Three-dimensional Water Table Model Teaching Tool: *W. Woessner, B. Covitt, W. P. Gardner (March 2026)*
69. Hazardous Karst: *L. VanRooy and M. Dippenaar (March 2026)*

2. Final Review Process – Publication Next

1. Hydrogeology of the Oak Ridges Moraine Aquifer System, South-Central, Ontario, Canada: *R. Gerber, D. Sharpe, S. Holysh, M. Marchildon, M. Doughty, S. Frape, L. Labelle, B. Smith, S. Shikaze*
2. Analytical Hydrogeology - A Compilation of Analytical Solutions: *R. Chesnaux*
3. Impacts of Upstream Oil and Gas Production: *R. Jackson, R. Walsh, M. Dusseault, M. Kang*
4. Monitoring Requirements for Unbiased Visualization of Groundwater Data: *D. Larssen, B. Black, F. Patton*
5. Groundwater and Bottled Water: *J. Weaver and P. Lachassagne*
6. Applied hydrogeology - 10 condensed case studies: *M. Sklash*

3. In Revision by Author

7. Groundwater Governance: *K. Pietersen*
8. Introduction to Groundwater and Aquifers: *I. Kahwaj, J. Cherry*
9. **Children’s Book:** The Water Cycle: *M. Schirmer, C. Fandel, T. Ferre*
10. Groundwater and Lakes: *D. Rosenberry*
11. Multilevel Groundwater Characterization & Monitoring with the Westbay System: *B. Black, D. Larssen, F. Patton*
12. Conceptual Hydrogeological Models: *F. Baechler*

4. Full Drafts in Peer Review

13. Discharge and Groundwater Dependent Ecosystems: *M. Larocque, E. Rosa*

5. Drafts Arrived and Being Prepared for Peer Review

14. Domestic Well Basics for the Well Owner: *H. Simpson, S. Longboat, H. Murphy, J. Levison*
15. Catastrophic Recharging of a Dormant Aquifer Following an Infrastructure Failure: *R. Newbury*
16. Coastal Hydrogeology: *V. Post, JJ Jiao*
17. When and How to Do 3-D Analyses for Groundwater Investigations: *K. Quinn and S. Sellwood*

6. Drafts with Unique Situations

18. Groundwater Need and Land Subsidence in the Beijing Plain: A Problem Still Ongoing: *L. Zhu, P. Teatini, H. Gong, L. Guo, Y Luo*
19. Groundwater Pollution by Landfills: *F. Lee, A. Jones-Lee*
20. Prediction of Groundwater Sustainability and Land Subsidence in the Toluca Aquifer System, Mexico: *J. Garfias Soliz, R. Martel, A. Calderhead, P. Castellazzi*
21. Sobreexplotacion y Sustentabilidad del Agua Subterranea en el Acuífero del Valle de Toluca: *J. Garfias Soliz, L. Bibiano Cruz, R. Martel, D. Rudolph*

22. Hidrogeología y recursos de agua subterránea en formaciones e islas volcánicas: HIRAVOL (Hydrogeology and groundwater resources in volcanic formations and islands): *E. Custodio* (Approved and forthcoming in Spanish first) (Published by CETAQUA Barcelona, 2020)
23. Assessment of Hydrogeologic Knowledge: Multiple Choice Questions with Answers: *N. Adimalla*

7. Drafts Being Written

24. Vadose Zone: *G. Parkin, E. Cey*
25. Groundwater: The Rise and Fall of Civilizations: *F. Chapelle*
26. Cost-effective design and interpretation of pumping tests for predicting the effects of long-term withdrawals in complex hydrogeological settings: *G. van der Kamp, C. Neville*
27. Geological CO₂ Storage in Saline Aquifers: *A. Haagsma, S. Mishra, M. Kelley, A. Datta-Gupta, C. Jenkins*
28. Contaminated Site Hydrogeology Inferred from Holocene Sediment Deposition History: Case Study: *S. Moran and team*
29. Transport and Fate of Organic Compounds in Groundwater: A Primer: *T. Soerens*
30. Capture of Groundwater by Wells: *J. L. Wilson*
31. Hydrogeological and Hydrogeochemical Factors in the Occurrence of Natural Arsenic: *P. Ravenscroft, O. Sracek*
32. Gravity driven flow systems: *J. Xiaowei*
33. Student Activities with Groundwater Flow: *D. Lee*
34. An Introduction to Water Flow and Solute Transport in Groundwater and the Vadose Zone: *T. Ferre*
35. Groundwater in Hillslope and Catchment Processes: *I. van Meerveld, Y. Fan*
36. Heat and Temperature in Groundwater: *V. Bense, B. Kurlyk, G. Ferguson*
37. Molecular Diffusion in Saturated Porous Geological Media: Theory and Applications: *P. Wanner, B. Parker, and team*
38. PFAS in Groundwater: *G. Carey*
39. Introduction to Modeling: *B. Woessner, E. Kuniatsky, E. Poeter*
40. Effective Groundwater Model Calibration: With Analysis of Data, Sensitivities, Predictions, and Uncertainty: *M. Hill, E. Poeter*
41. Effective Groundwater Model Calibration: With Analysis of Data, Sensitivities, Predictions, and Uncertainty Primer: *M. Hill, E. Poeter*
42. Climate Water Project: *A. Lo*
43. Nature of contaminant plumes in strongly heterogeneous granular media: *G. Fogg*
44. Tree Analysis to Track Groundwater Contamination: *J. Burken*
45. Fundamental Theory of Solute Transport in Heterogeneous Porous Media: *P. Kitanidis*
46. An Introduction to Chemical Hydrogeology: *D. Allen*
47. Groundwater and Climate Change: *D. Allen, J. Levison*
48. Introduction to Mountain Hydrogeology: *M. Hayashi and Team*
49. Hydrogeology of Springs: *L. Stevens and Team*

50. Gravity Driven Groundwater Flow Systems – Mexico Perspective: *Y.A. Russell, John Cherry, J.J.C Rivera*
51. Agrichemical Facility, Cambridge, ON, 30 Year Case Study: *R. Carter*
52. Springs of Nova Scotia: *F. Baechler*
53. Heterogeneity and Anisotropy: *G. Weissman*
54. China’s National Groundwater Monitoring Network: *L. Wenpeng*
55. Groundwater and Tunnels: *H. Rocha, W. Bilfinger*
56. Slope Stability and Landslides: *J. Jiao and team*
57. Mexico Valley Aquifer: *A. Rivera*
58. Clayey aquitards, the cases of two closed basin aquitards: Mexico City and the La Laguna Region in northern Mexico: *A. Ortega*
59. Land subsidence in Japan: *T. Tokunaga*
60. Application of Sequence Stratigraphy in Hydrogeology - Concepts: *J. Sadeque and R. Samuels, B. Campanaro*
61. Experiences of Learning and Struggling against Land Subsidence in Shanghai Over a Century from 1921 to 2020: *S. Ye, X. Yan*
62. Groundwater and Soil Salinity: *I. Cartwright*
63. Establishing Wellhead Protection Areas: *P. Martin and team*
64. Oak Ridges Moraine Data Management System: *S. Holysh, R. Gerber, S. Shikaze*
65. Groundwater Management in Orange County, USA: *R. Herndon*
66. Groundwater in Responsible Mining: *W. Timms*
67. Rock Fracture Survey and Characterization Applied to Hydrogeology: *A. Rouleau, A. Fernandes, R. Morin*
68. Field Methods: *L. VanRooy and M. Dippenaar*
69. Principles of Groundwater Geochemistry: *T. Al, U. Mayer*
70. The Underground Water: The Global Unexpected Land and Sea Invisible Connectivity: *I.N. Flores, V.E.A. Fuentes*
71. Straddle Packer Tests in Fractured Rock: *P. Quinn*
72. Hydrogeoethics: A Primer: *M.Abrunhosa*
73. Social Hydrogeology: *V. Re*
74. Viruses in Groundwater from a Well Sampling Perspective: *K. Bradbury and M. Borchardt*
75. Geochemistry of Nitrogen: *K. Soderberg, S. Macko, L. Wang*
76. Contamination of Karst in the United States: *E. Kuniansky*
77. A European Union Perspective on Groundwater Governance: *J. Fried*
78. Desert Hydrogeology Overview: *X. Wang, J. Jiao*
79. Physical Hydrograph Analysis: *A. Kovacs*
80. Understanding Math in Groundwater Science: *F. Marinelli, H. Klammler, R. Devlin*
81. Karst: *T. Scheytt*
82. Quantitative Hydrogeochemistry: *U. Mayer and H. Prommer*

83. Hydrogeochemistry and Investigation of Mine Waters: *R. Bowell, M. Leybourne*
84. Carbon-14 as a Tool in Hydrogeology: *L. Wassenaar*
85. Constructing and Understanding Basic Groundwater Transport and Reaction Equations: *H. Klammler*
86. Springs in Basalt: Insights from Tracer Tests: *N. Farmer, D. Blew*
87. Hydrogeology of Sapolite: *L. McKay and team*
88. Ground-Penetrating Radar: *C. Steelman*
89. Electromagnetic induction: *S. Kang, L. Heagy, D. Oldenburg*
90. Hyporheic Zone: *A. Sawyer*
91. Free Phase Gases in Groundwater: *C. Ryan, J. Roy*
92. Aquifer Test Analysis Without Computers: *D. St. Germain, K. Goldstein*
93. Groundwater and Wildfires: *M. Ximena Guzman Rojo*
94. Writing Readable Hydrogeology Reports: *M. Sklash*
95. Fractured Rock Pumping Test Analysis: *F.L. Guerrero*
96. Managed Aquifer Recharge Using Treated Sewage: *J. Carrera*
97. Modern Groundwater Dynamics, Subsurface CO₂ Disposal, and their Effect on Climate Change: *Udo Weyer*
98. Fractures and Faults in Carbonates: Limestone, Dolostone and Chalk and Their Impacts on Groundwater: *F. Agosta, M. Antonellini*
99. Groundwater Flooding: *G. Parkin*
100. History of Hydrogeology, Canada: *R. Jackson, G. van der Kamp, H. Maathuis*
101. History of Hydrogeology, South Africa: *R. Meyer and E. Wyk, R. Kleywecht*
102. Chaotic Advection: *N. Thomson*
103. Groundwater and Nitrate: *K. Hinsby*
104. Groundwater and the Circular Economy: *I. Stewart, D. Mulhall, R. Hanson, J. Cherry*
105. Groundwater, An Enigmatic Portion of the Carbon Cycle: *W. Wood; J. Cherry*
106. Till Aquitards: *J. Fredericia, K. Klint, B. Nilsson*
107. Karst Case Study in Italy: *M. Petitta*
108. Geochemical Modelling: *C. Zhu*
109. Groundwater and Arsenic: *P. Bhattacharya, A. Mukherjee*
110. Flow and Transport in Fractured Rock: *K. Novakowski, S. Wright*
111. Groundwater as the Solution to Rural Water Poverty: *J. Cherry, P. Bauman others*
112. Long Distance Tracer Tests for Understanding Groundwater Flow in Basalts: *N. Farmer, D. Blew*
113. Nature and Importance of Reaction Interfaces and Zones: *J. Spain, J. Cherry*
114. Methods to Characterize Subsurface Media at the Grain Scale: *D. Mackay*
115. Soil Hydrology and Biophysics: *J. Selker and D. Or*
116. Redox Indicators and Processes: *R. Jakobsen, R. Jackson*
117. Hydrogeochemical Considerations in Mining: *M. Logsdon*

118. Guarani Aquifer System: Brazil, Argentina, Paraguay, Uruguay: *R. Kircheim*
119. Adaptive Management: *A. Rabideau*
120. Groundwater as a Component of the Global Water Crisis: *S. Bhalla, J. Cherry, B. Parker*
121. Dashboards and Low-Cost Sensors: *J. Drage, G. Fogg and A. Wickert*
122. Remediation Approaches and Methods: *N. Thomson, C. Divine*
123. Contaminant Mass Flux/Discharge: *M. Einarson, G. Carey*
124. Techniques and Practical Considerations for Groundwater Development: *I. Kalwij and J. Cherry*
125. Self-potential: *D. Jougnot, E. Voytek, K. Singha*
126. Use of Domestic Wells for Groundwater Monitoring and Research: *S. Hamilton*
127. Dissolved Gases in Groundwater: *G. Wang, F. Liu, C. Cravotta, D. Vesper*
128. Karoo Aquifer, South Africa: *E. Lukas, F. DeLange*
129. The Ogallala Aquifer: *R. Stotler*
130. Well Yield: *P. Gray*
131. Permafrost Overview: *M. Walvoord, B. Kurlyk and others*
132. Strontium Isotopes: *I. Clark, C. Bataille*
133. Optimization Approaches: *D. Ahfeld*
134. Pesticide Contamination of Groundwater in Agricultural Areas of Tropical Regions: *C. Spadotto, E. Dores, R. Mingoti*
135. Superfund Investigation in Basalt, Soda Springs, Idaho 2018: *M. Einarson*
136. Hydrogeology for Alpine Mine Environmental Assessments: *R. Blair*
137. The Value of Restoring Groundwater: *A. Rabideau*
138. The Western Carolina Hydrological Field Research Station: An On-Campus Site to Support-
Research Based Experiential Learning for Undergraduates and Promote Interdisciplinary
Connections: *M. Lord and D. Kinner*
139. Phytoremediation: *D. Tsao*
140. Groundwater Resources in China: *L. Yu*
141. Application to of Sequence Stratigraphy for the Environmental Industry: Coastal & Shallow
Marine Environments: *J. Sadeque and R. Samuels, B. Campanaro*
142. Application to of Sequence Stratigraphy for the Environmental Industry: Continental
Environments: *J. Sadeque and R. Samuels, B. Campanaro*
143. The Subsurface as an Energy Source: *M. Dusseault and J. Raymond*
144. The Role of Groundwater in Earthquakes: Natural and Human Influence: *S. Ge*
145. Insights from MADE Site Experiments: *C. Zheng*
146. Sketching as a Path to Enhance 3-D Thinking in Hydrogeology: *C. Fandel*
147. Karst Hydrogeochemistry: *K. Knierim*
148. Understanding Why Water Levels in Wells Change with Time: *J. Kennel*
149. Groundwater and Indoor Air: *T. McAlary*
150. Quaternary Aquitards: *F. Larsen and Team*

151. Glacial Geology and Groundwater: *H. Russell, M. Hinton, D. Sharpe*
152. Groundwater Engineering: Design and Modelling: *S. Thomas*
153. Nuclear magnetic resonance: *K. Keating*
154. Seismic: *J. Hayes, B. Flinchum*
155. Airborne Methods: *B. Minsley*
156. Rock physics: *F. Nguyen*
157. Joint inversion: *E. Oware*
158. Compound Specific Isotope Analyses (CSIA): *P. Bennett and team*
159. Groundwater Concepts for Children: *P. Bennett and team*
160. Nitrate in Groundwater – State of Sao Paulo, Brazil: *C. Varnier, J. Luiz Albuquerque Filho, R. Hirata*
161. Analytical Methods for Identifying and Quantifying Organic Chemicals: *R. Rago*
162. Colorado River Basin: *A. Rivera*
163. Time Scale Connection of Groundwater with Adjacent Sphere: *M. Tanigouchi*
164. Groundwater and Submarine Discharge: *G. Destouni*
165. Hong Kong Urban Hydrogeologic Processes: *JJ Jiao*
166. Hydrogeosphere Simulations: Insights about Catchment Responses: *A. Brookfield and team*
167. The State of the Planet from a Groundwater Perspective: *J. Cherry and Team*
168. Domestic Well Regulation and Risk Management: *W. Lusk*
169. Transboundary Aquifers: Issues and Management: *R. Hirata, S. Foster, A. Suhogusoff*
170. Hydrogeology and Tunnels: *J. Raymer, H. Asche*
171. Slope Stability: *M. Fredlund*
172. HKU Multi-depth Monitoring System: *J.J. Jiao, J. Cherry*
173. China's Deep Geological Repository for Nuclear Waste – Concept and Progress Report: *J. Wang*
174. Groundwater Contamination in China: *F. Liu book and others*
175. The Sponge City Concept from a Hydrological Perspective: *J. Jiao and others*
176. Geology and Isotopes in Groundwater: Revealing Flow Paths, Background Geochemistry, and Contamination Processes in Córdoba, Argentine Pampas Region: *M. Blarasin, A. Cabrera, F. Becher Quinodoz, and E. Matteoda*
177. What Your Attorney/Client Wants to See in Reports from Hydrogeologists: *M. Sklash*
178. Making the Invisible Visible: *L.S. Andersen*
179. Class Guide: Sediments, Landforms and the Pleistocene: *L. Clayton and others*
180. Radioactive Waste Management: *S. Sterling, M. Hobbs*
181. Redox: *K. Nordstrom*
182. Impact of Wood Chips on Groundwater: *W. Robertson*
183. Springs in China: *Dongmei Han*
184. Transition Probability Hydrofacies Modeling With T-PROGS: *G. Fogg*
185. Zero Valent Iron – Funnel and Gates: *J. Vogan*
186. Geochemical Evolution of Groundwater in the Erdos Aquifer System in China: *X. Jiang*

8. Interactive Education Books

187. Analytical Groundwater Modeling: Theory and Applications Using Python: *M. Bakker, V. Post (CRC Press, 2022)*

9. Teams Being Developed

1. Dual Rotary Drilling of Deep-Water Wells: *Team Being Developed*
2. How to Teach Students Integrative Thinking: *Team Being Developed*
3. Drill Water Wells by Conventional Percussion Drilling: *Team Being Developed*
4. Origins and Characteristics of Hydrogeochemical/Biogeochemical Reaction Zones: *Team Being Developed*
5. Sea water intrusion: *Team Being Developed*
6. Introduction to Hydrogeochemistry: *Team Being Developed*
7. Introduction to Groundwater Geology: *Team Being Developed*
8. Rainwater Harvesting in Developing Countries from a Hydrogeological Perspective: *Team Being Developed*
9. Gravity Drive Flow Systems: *Team Being Developed*
10. Manual and Lowest Cost Engine Drilling of Water Wells in Developing Countries: *Team Being Developed*
11. Groundwater and Wetlands: *Team Being Developed*
12. Atolls and Small Islands: *Team Being Developed*
13. Groundwater and Glaciers: *Team Being Developed*
14. Managed Aquifer Recharge: Concepts and Processes: *Team Being Developed*
15. Groundwater Under the Direct Influence of Surface Water (GUDISW): *Team Being Developed*
16. Domestic Wells in Fractured Rock and their Vulnerability to Contamination: *Team Being Developed*
17. Hydrogeological and Hydrogeochemical Factors in the Occurrence of Natural Manganese: *Team Being Developed*
18. Radium and Uranium in groundwater: natural occurrence and geochemistry: *Team Being Developed*
19. Geochemical Aspects of Groundwater Related Mining, including a synthetic case study: *Team Being Developed*
20. Basalt hydrogeology: Central America: *Team Being Developed*
And many more...

10. Exemplary old textbooks and government publications – Republished online by the Groundwater Project

1. Groundwater: *A. Freeze and J. Cherry (Published by Pearson, 1979)*
2. Dense Chlorinated Solvents and other DNAPLs in Groundwater: *J. Pankow and J. Cherry (Published by Waterloo Press, 1996)*
3. Analysis and Evaluation of Pumping Test Data: *G.P. Kruseman, N.A. de Rigger, and J.M. Verweij (Published by International Institute for Land Reclamation and Improvement, 2000)*
4. Mechanics of Immiscible Fluids in Porous Media: *A. Corey (Published by Water Resources Publications, 1986)*
5. Groundwater Hydrology and Well Hydraulics: *D. McWhorter and D. Sunada (Published by Water Resources Publications, 2010)*
6. An Illustrated Handbook of LNAPL Transport and Fate in the Subsurface: *CL:AIRE (Published by CL:AIRE, 2014)*

7. Petroleum Hydrocarbons in Groundwater: Guidance on Assessing Petroleum Hydrocarbons using existing hydrogeological risk assessment methodologies: *CL:AIRE (Published by CL:AIRE, 2017)*
8. Processes controlling the natural attenuation of fuel hydrocarbons and MTBE in the UK Chalk Aquifer: *CL:AIRE (Published by CL:AIRE, 2006)*
9. Contaminant Transport Through Aquitards: A State of the Science Review: *J.A. Cherry, B.L. Parker, K.R. Bradbury, T.T. Eaton, M.B. Gotkowitz, D.J. Hart, M.A. Borchardt (Published by The Water Research Foundation, 2006)*
10. Contaminant Transport Through Aquitards: Technical Guidance for Aquitard Assessment: *K.R. Bradbury, M.B. Gotkowitz, D.J. Hart, T.T. Eaton, J.A. Cherry, B.L. Parker, M.A. Borchardt (Published by The Water Research Foundation, 2006)*
11. Transient Ground Water Hydraulics: *R. Glover (Published by Water Resources Publications, 1985)*
12. Geochemistry of Natural Waters, The: Surface and Groundwater Environments, 3rd Edition: *James I. Drever (Published by Pearson, 1997)*
13. Seeing the Invisible: A Strategic Report on Groundwater Quality: *P. Ravenscroft, L. Lytton (Published by World Bank, 2022)*
14. Practical Manual on Groundwater Quality Monitoring: *P. Ravenscroft, L. Lytton (Published by World Bank, 2022)*
15. Quantitative Hydrogeology: Groundwater Hydrology for Engineers: *G. De Marsily (Published by Academic Press, 1986)*
16. A Guide to Regional Groundwater Flow in Fractured Rock Aquifers: *P. Cook (CSIRO, 2003)*
17. The hidden wealth of nations: the economy of groundwater in an era of climate change (*World Bank, 2023*)
18. Arsenic Pollution: *P. Ravenscroft, H. Brammer, K. Richard (Wiley Blackwell, 2009)*
19. Vadose Zone Monitoring for Hazardous Waste Sites: *L.G. Everett, L.G. Wilson, E.W. Hoylman*
20. Hydrogeologic Characterization of Fractured Rock Formations: *A.J.B. Cohen (1993)*
21. Guidance on the Assessment and Monitoring of Natural Attenuation of Contaminants in Groundwater: *CL:AIRE (Published by CL:AIRE, 2024)*
22. Guidance on Natural Source Zone Depletion: *CL:AIRE (Published by CL:AIRE, 2024)*
23. Groundwater Pollution: *Jean Fried (Published by Elsevier Science Ltd, 1975)*
24. The Hyporheic Handbook: A handbook on the groundwater–surface water interface and hyporheic zone for environment managers: *Published by the Environment Agency, 2009.*
25. Canada’s Groundwater Resources: *A. Rivera (Fitzhenry & Whiteside, 2014)*
26. Design, Operation, and Maintenance for Sustainable underground Storage Facilities Cover: *AWWA Research Foundation (2008)*
27. Applied Research Groundwater Contaminant Transport at Rocky Mountain Arsenal: *B. Myller, G. Bianchi-Mosquera, B. Honeyman, D. Mackay (R.L. Stollar & Associates Inc., 1992)*
28. The Worldwide Adventures of Droppy: *G. Houben (BGR, 2012)*
29. The Incredible Adventures of Water and his Friends: *V. Witts, K. Swanepoel, A. Beyers, C. Lohe, M. Quinger (BGR, 2016)*
30. Environmental Geology: *S. Earle (Thomson Rivers University, 2021)*
31. Making Water Everyone’s Business: *Anil Agarwal, Sunita Narain, Indira Khurana (CSE India, 2001)*
32. Basic Ground-Water Hydrology: *R.C. Heath (USGS, 1981)*
33. Definitions of Selected Ground-Water Terms—Revisions and Conceptual Refinements: *S. W. Lohman and others — Committee on Redefinition of Ground-Water Terms: R. R. Bennett, R. H. Brown, H. H. Cooper, Jr., W. J. Drescher, J. G. Ferris, A. I. Johnson, S. W. Lohman (chairman beginning June 1968), C. L. McGuinness, H. M. Piper (chairman from 1965 until retirement in 1968), M. I. Rorabaugh, R. W. Stallman, C. V. Theis. (USGS, 1972)*
34. Ground Water and Surface Water: A Single Resource: *T. C. Winter, J. W. Harvey, O. L., Franke, W. M. Alley (USGS, 1999)*

35. Guidelines for Evaluating Ground-Water Flow Models: *T. E. Reilly, A.W. Harbaugh (USGS, 2004)*
36. Introduction to Ground-Water Hydraulics—A Programed Text for Self-Instruction: *G. D. Bennett (USGS, 1989)*
37. System and Boundary Conceptualization in Ground-Water Flow Simulation: *Thomas E. Reilly (USGS, 2001)*

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