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Nota di contenuto	GROUND WATER MODELS -- Copyright -- Preface -- Contents -- Overview, Conclusions, and Recommendations -- OVERVIEW -- CONCLUSIONS AND RECOMMENDATIONS -- Models and Subsurface Processes -- Conclusions -- Models and Decisionmaking -- Conclusions -- Recommendations -- Maintaining Scientific Integrity -- Conclusions -- Recommendations -- Recommendations for the Future -- 1 Introduction -- THE GROWTH IN THE USE OF MODELS -- REFERENCES -- 2 Modeling of Processes -- INTRODUCTION -- Ground Water Flow -- Multiphase Flow -- Dissolved Contaminant Transport -- Advection -- Diffusion -- Dispersion -- Radioactive Decay -- Sorption -- Precipitation and Dissolution -- Acid/Base Reactions -- Complexation -- Hydrolysis/Substitution -- Redox Reactions -- Biological Transformations -- WHAT IS A MODEL? -- Governing Equations -- Boundary and Initial Conditions and Parameter Values -- Solving Flow and Transport Equations -- REFERENCES -- 3 Flow Processes -- INTRODUCTION -- SATURATED CONTINUUM FLOW -- State of the Art -- Implications for the Use of Saturated Continuum Flow Models in Decisionmaking -- Spatial Dimensionality -- Boundary

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