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Chapter 1 Adaptive Management; Craig Allen and Ahjond Garmestani -- Chapter 2 Adaptive Management, a Personal History; C.S. Holling with Shana Sundstrom and Craig Allen -- Chapter 3 Lessons from Adaptive Management: Obstacles and Outcomes; Lance Gunderson -- Chapter 4 Adaptive Management and the Law; Melinda Harm Benson and Courtney Schultz -- Chapter 5 A Decision-Analytic Approach to Adaptive Resource Management; Fred A. Johnson and Byron K. Williams -- Chapter 6 Measuring Success of Adaptive Management Projects; Brian C. Chaffin and Hannah Gosnell -- Chapter 7 The Role of Bridging Organizations in Enhancing Ecosystems Services and Facilitating Adaptive Management of Social-Ecological Systems; Olivia O. Green, Lisen Schultz, Marmar Nekoro and Ahjond S. Garmestani -- Chapter 8 Adaptive Management for Novel Ecosystems; Nicholas A.J. Graham and Christina C. Hicks -- Chapter 9 Adaptive Co-Management; Christo Fabricius and Bianca Currie -- Chapter 10 Adaptive Management Today: A Practitioners' Perspective; Carol Murray, David Marmorek and Lorne Greig -- Chapter 11 Practical Resilience: Building Networks of Adaptive Management; Jim Berkley and Lance Gunderson -- Chapter 12 Optimization and Resilience in Natural Resources Management; Byron K. Williams and Fred A. Johnson -- Chapter 13 Emerging Concepts in Adaptive Management; Derek Armitage, Steven Alexander, Mark Andrachuk, Samantha Berdej, Thomas Dyck, Prateep Nayak, Jeremy Pittman and Kaitlyn Rathwell -- Chapter 14 Adaptive Management of Social-Ecological Systems: The Path Forward; Ahjond Garmestani and Craig Allen -- Index.

Adaptive management is an approach to managing social-ecological systems that fosters learning about the systems being managed and remains at the forefront of environmental management nearly 40 years after its original conception. Adaptive management persists because it allows action despite uncertainty, and uncertainty is reduced when learning occurs during the management process. Often termed "learning by doing", the allure of this management approach has entrenched the concept widely in agency direction and statutory mandates across the globe. This exceptional volume is a collection of essays on the past, present and future of adaptive management written by prominent authors with long experience in developing, implementing, and assessing adaptive management. Moving forward, the book provides policymakers, managers and scientists a powerful tool for managing for resilience in the face of uncertainty.