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Nota di contenuto	Cover -- Title Page -- Copyright -- Dedication -- Epigraph -- Contents -- Acknowledgments -- Abbreviations -- 1. A Case for Stream Corridor Restoration -- 2. Stream Corridor Restoration: Some Assembly Required -- Case Study 2.1. Example of a Restoration Goal -- Case Study 2.2. Restoring Native Fish in the Murray-Darling River, Australia -- 3. Assessing the Hydrological and Physical Conditions of a Drainage Basin -- 4. Adapting Your Stream Restoration Project to Climate Change -- Case Study 4.1. Analysis of Trends in Climate and Streamflow to Inform Water Management Decisions in the Rio Conchos, Chihuahua, Mexico -- Case Study 4.2. Protecting the Kooragang Wetlands from Rising Sea Levels -- Case Study 4.3. Using Vulnerability Assessments to Strengthen Climate-Adaptive Conservation Response to Climate Change -- Case Study 4.4. Assessing the Vulnerability of Reestablishing Obligate Riparian Trees Along a Desert Stream to Climate Change -- 5. Quantifying and Securing Environmental Flow -- Case Study 5.1. Applying La Norma Mexicana de Caudal Ecologico (Ecologic Flows Policy of Mexico) to Establish a Water Reserve in the Rio Hardy, Mexico -- Case Study 5.2. Coordinating Reservoir Management and Environmental Flows on the Bill Williams River, Arizona -- Case Study 5.3. The Colorado River Delta Water Trust -- Case Study 5.4. Protecting Flow for a Critically Endangered Species -- Case Study 5.5.

Rewatering the Colorado River Delta -- Case Study 5.6. Unique Conservation Partnerships to Support Native Freshwater Ecosystems Along the Middle Rio Grande -- 6. Implementation: Putting Your Stream Corridor Restoration Plan into Action -- Case Study 6.1. Two Rivers Traffic Management Plan -- Case Study 6.2. Making Stream Restoration Alluring for Ranchers -- Case Study 6.3. Controlling Tamarisk Monocultures at the Bosque Del Apache National Wildlife Refuge. Case Study 6.4. Controlling Russian Olive (Elaeagnus angustifolia) in Riparian Flood Plains -- Case Study 6.5. A Collaborative, Binational Effort to Manage Giant Cane (Arundo donax) Along the Rio Grande / Rio Bravo in Big Bend, U.S.-Mexico Border -- Case Study 6.6. Conserving Native Small- Bodied Freshwater Fishes During Extreme Drought in the Lower Murray-Darling Basin, Australia -- Case Study 6.7. Protecting the Hottest Fish in the World -- Case Study 6.8. Pecos River Restoration and the Threatened Pecos Bluntnose Shiner, New Mexico -- Case Study 6.9. Reintroduction of the Rio Grande Silvery Minnow in the Rio Grande Basin -- 7. Monitoring the Results of Stream Corridor Restoration -- Case Study 7.1. Monitoring the Effectiveness of Managing Giant Cane Along the Rio Grande / Rio Bravo in Big Bend -- Case Study 7.2. Long-Term Monitoring of Marsh Birds in the Colorado River and Cienega de Santa Clara, Baja California, and Sonora, Mexico -- Case Study 7.3. Monitoring the Effects of Small Dam Removal on Fish Community Composition -- Case Study 7.4. Groundwater Monitoring for River Restoration -- Case Study 7.5. Citizen Science -- Case Study 7.6. Real-Time Measurement of Streamflow Using Inexpensive and Readily Available Equipment -- Case Study 7.7. Surveying Channel Morphology Along the Rio Grande / Rio Bravo in Big Bend -- Case Study 7.8. Assessing Channel Geomorphic Change Along the Big Bend Reach of the Rio Grande / Rio Bravo Using Survey Data Collected from Different Time Periods Using Different Equipment and Techniques -- 8. Going Long: Ensuring That Your Stream Corridor Restoration Effort Continues to Grow -- Case Study 8.1. A Public-Private Partnership to Reclaim Wetlands at Banrock Station, Southern Australia -- Case Study 8.2. Informal Community-Based Partnerships Seed Larger Public-Private Partnerships in the Colorado River Delta, Mexico.
Case Study 8.3. The Rio Grande Water Fund -- Case Study 8.4. Businesses Can Be Strong Stream Restoration Partners -- Appendix A: Selected Sources of Natural Resource Data and Information in Australia, Mexico, and the United States -- Appendix B: Major Climate Service Providers and Resources by Country -- Glossary -- Contributors -- Index.

Sommario/riassunto

"Renewing Our Rivers guides readers through the main steps in designing and implementing successful dryland stream corridor restoration. Ecologists, geomorphologists, and hydrologists from Australia, Mexico, and the United States share their case studies and key lessons learned for successful restoration and renewal of our most vital resource"--

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