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Edizione	[First edition.]
Descrizione fisica	1 online resource (xxvii, 529 pages, 16 unnumbered pages of plates) : illustrations (some color), maps
Disciplina	597
Soggetti	Fishes - Ecology Fishes - Conservation
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Front Cover; Contents; Preface; Acknowledgments; Use and Features of the Book; Author Biography; A Lexicon of Greek and Latin Word Roots Used in this Text; Chapter 1: Ecology of Fishes: Content and Scope; Chapter 2: Aquatic Evolution, Origins, and Affinities; Chapter 3: Aquatic Environment; Chapter 4: Diversity 1: Chordates to Sharks; Chapter 5: Diversity 2: Teleostomes to Bony Fishes; Chapter 6: Diversity 3: Teleosts; Chapter 7: Radiations, Extinctions, and Biodiversity; Chapter 8: Zoogeography of Fishes; Chapter 9: Lotic Systems: Flowing Water and the Terrestrial Environment Chapter 10: Coldwater Streams Chapter 11: Fishes of Warmwater Streams and Rivers; Chapter 12: Lentic Systems: Standing Water; Chapter 13: Fishes of Temperate and Tropical Great Lakes; Chapter 14: Artificial Lakes and Groundwater Reservoirs; Chapter 15: Estuaries and Coastal Zone; Chapter 16: Marine Environments, Intertidal Fishes, and Sharks; Chapter 17: Neritic Province and Fisheries; Chapter 18: Oceanic Province and Epipelagic Fishes; Chapter 19: Deep Sea: Twilight to the Abyss; Chapter 20: Fitness, Morphology, and Ecophysiology; Chapter 21: Energy, Metabolism, and Growth Chapter 22: Adaptation, Niche, and Species Interactions Chapter 23: Populations, Growth, and Regulation; Chapter 24: Instinct, Learning, and Social Behavior; Chapter 25: Trophic Concept and Feeding; Chapter 26: Reproductive Ecology and Life History Patterns; Chapter 27:

Migration; Chapter 28: Larval Fish; Chapter 29: Exploitation and Fisheries Management; Chapter 30: Conservation of Fishes I: Crisis and a Response; Chapter 31: Conservation of Fishes II: Understanding the Decline; Chapter 32: Changes and the Future  
Appendix: A Guide to Major Fish Groups - Fish Diversity Exercise: Major Groups of Extant Fishes Glossary; Literature Cited; Back Cover

### Sommario/riassunto

Written as a stand-alone textbook for students and a useful reference for professionals in government and private agencies, academic institutions, and consultants, *Ecology and Conservation of Fishes* provides broad, comprehensive, and systematic coverage of all aquatic systems from the mountains to the oceans. The book begins with overview discussions on the ecology, evolution, and diversity of fishes. It moves on to address freshwater, estuarine, and marine ecosystems and identifies factors that affect the distribution and abundance of fishes. It then examines the adaptations of fishes as a response to constraints posed in ecosystems. The book concludes with four chapters on applied ecology to discuss the critical issues of management, conservation, biodiversity crises, and climate change.