

1. Record Nr.	UNINA9910786391203321
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Titolo	Ecology of North American freshwater fishes [[electronic resource] /] / Stephen T. Ross
Pubbl/distr/stampa	Berkeley, : University of California Press, 2013
ISBN	0-520-95519-6
Descrizione fisica	1 online resource (473 p.)
Disciplina	597.176
Soggetti	Freshwater fishes - Ecology - North America
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Part 1. Faunal origins, evolution, and diversity -- Origin and derivation of the North American freshwater fish fauna -- Reshaping North American fish faunas : the role of late Cenozoic climatic and tectonic events -- Part 2. Formation, maintenance, and persistence of local populations and assemblages -- Responses of populations and assemblages to biotic and physical factors -- The formation and maintenance of populations and assemblages -- Persistence of fish assemblages in space and time -- Part 3. Form and function -- Morphology and functional ecology of the fins and axial skeleton -- Form and function in the feeding of fishes -- Life history and reproductive ecology -- Part 4. Interactions among individuals and species -- Communication among individuals -- Interactions in resource acquisition I : Niches, competition, and trophic position -- Interactions in resource acquisition II : Predation, avoiding predation, and predator effects on ecosystems -- Getting along : Mutualism, facilitation, and coevolution -- Part 5. Issues in conservation -- Streams large and small -- Ponds, lakes, and impoundments.
Sommario/riassunto	The North American freshwater fish fauna is the most diverse and thoroughly researched temperate fish fauna in the world. <i>Ecology of North American Freshwater Fishes</i> is the only textbook to provide advanced undergraduate and graduate students and researchers with an up-to-date and integrated view of the ecological and evolutionary concepts, principles, and processes involved in the formation and maintenance of this fauna. <i>Ecology of North American Freshwater</i>

Fishes provides readers with a broad understanding of why specific species and assemblages occur in particular places. Additionally, the text explores how individuals and species interact with each other and with their environments, how such interactions have been altered by anthropogenic impacts, and the relative success of efforts to restore damaged ecosystems. This book is designed for use in courses related to aquatic and fish ecology, fish biology, ichthyology, and related advanced ecology and conservation courses, and is divided into five sections for ease of use. Chapter summaries, supplemental reading lists, online sources, extensive figures, and color photography are included to guide readers through the material and facilitate student learning.

Part 1: Faunal origins, evolution, and diversity

Part 2: Formation, maintenance, and persistence of local populations and assemblages

Part 3: Form and function

Part 4: Interactions among individuals and species

Part 5: Issues in conservation
