AFS Publications Catalog 2024

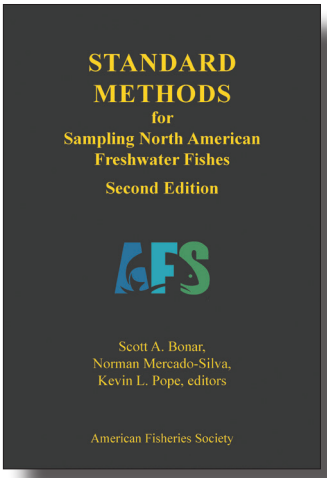
Contents

The American Fisheries Society (AFS) is an international, professional, and scientific organization of 8,000+ fisheries managers and aquatic scientists. Founded in 1870, AFS is the world's oldest and largest organization dedicated to strengthening the fisheries profession, advancing fisheries science, and conserving fisheries resources. Chapters of AFS exist throughout North America and members reside in 66 countries.

Standard Methods for Sampling North American Freshwater Fishes, Second Edition

Scott A. Bonar, Norman Mercado-Silva, and Kevin L. Pope, eds.

Second updated edition of an important, popular reference book that provides standard sampling methods recommended by the American Fisheries Society (AFS) for assessing and monitoring freshwater fishes in North America. Involves contributions from over 500 fisheries scientists from almost 200 agencies, universities, and nongovernmental organizations.



Methods apply to ponds, reservoirs, natural lakes, streams, and rivers containing cold and warmwater fishes and, new to this edition, Great Lakes, cenotes, and wetlands. Rangewide and ecoregional averages for indices of abundance, population structure, and condition for almost 50 individual species are supplied to facilitate comparisons of standard data among populations and are much expanded for this edition. Provides information on converting nonstandard to standard data, statistical and database procedures for analyzing and storing standard data, methods to prevent transfer of invasive species while sampling, information on new techniques since the first edition such as environmental DNA sampling, and the latest methods to calibrate electrofishers.

Effort led by AFS, the Association of Fish and Wildlife Agencies, the U.S. Fish and Wildlife Service, the U.S. Geological Survey, and five other state and federal agencies. Foreword by Ian J. Winfield, former President of the Fisheries Society of the British Isles and Member of the BSI British Standards Committee EH/003/05 Biological Methods.

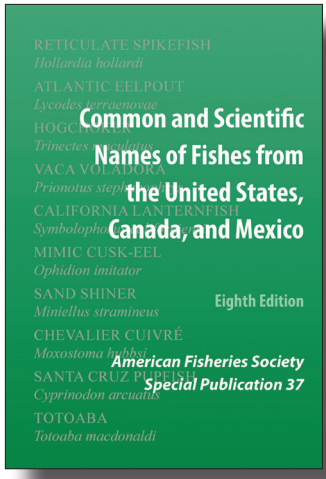
860 pp est., hardcover, index, 2024
ISBN-13 . . 978-1-934874-76-9
stock 550.90C
list price $89
member price. $62

NEW RELEASES

Common and Scientific Names of Fishes from the United States, Canada, and Mexico, Eighth Edition

Lawrence M. Page, Katherine E. Bemis, Thomas E. Dowling, Héctor Espinosa-Pérez, Lloyd T. Findley, Carter R. Gilbert, Karsten E. Hartel, Robert N. Lea, Nicholas E. Mandrak, Margaret A. Neighbors, Juan J. Schmitter-Soto, and H. J. Walker, Jr.

This authoritative reference provides an up-to-date checklist of common and scientific names for all described and taxonomically valid fish species living in freshwaters and marine waters of North America. This eighth edition reflects taxonomic changes that have occurred since 2013 and is expanded geographically to include all species found within the exclusive economic zones of Canada, Mexico, and the United States. It includes names for 5,089 species and 333 families, an increase from 3,875 species and 260 families in the seventh edition. It also provides the rationale and methodology for common name allocation and history of changes from the previous edition and includes English, French, and Spanish names. The publication was compiled in collaboration with the American Society of Ichthyologists and Herpetologists.

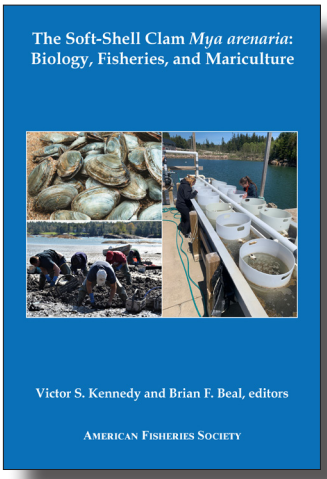


(SP 37) 439 pp, hardcover, index, 2023
ISBN-13 . . 978-1-934874-69-1
stock 510.37C
list price $60
member price. $42

NEW RELEASES

The Soft-Shell Clam *Mya arenaria*: Biology, Fisheries, and Mariculture

Victor S. Kennedy and Brian F. Beal, eds.



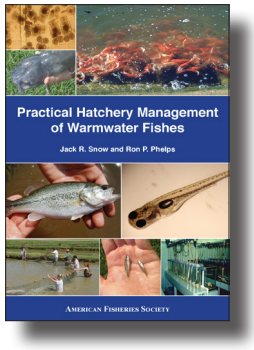
Populations of the temperate-boreal soft-shell clam *Mya arenaria* live in shallow, coastal marine soft sediments, predominantly in North America and Europe. Often a large component of infaunal biomass, this species plays important roles in soft-bottom food webs, both benthic and pelagic. It serves as a competitor for some benthic organisms and as important prey for others. Clams feed by filtering the water column and can ingest and concentrate toxic microalgae that can sicken or kill humans.

The soft-shell clam has supported important fisheries in the Canadian Atlantic provinces and northeastern United States, first by indigenous coastal tribes and later by European colonists and their descendants to the present time. Over time, clam fisheries have faced problems associated with habitat loss, natural and introduced predators, pollution, growth of toxic algae, and climate change. In addition, overfishing has been suggested as one mechanism partly responsible for declines in commercial landings. Because of its importance as human food, this species has received attention from managers and mariculturists, as well as researchers and students. In parts of its range, mariculture efforts have been very successful in culturing populations for commercial fishery or restoration efforts.

This publication assembles and synthesizes published data on the clam to assist researchers and students studying the organism and its role in its ecosystem, as well as facilitating efforts at managing its fishery and enabling mariculture.

595 pp, paper, index, 2023
ISBN-13 . . 978-1-934874-74-5
stock 550.89P
list price $79
member price. $55

AQUACULTURE



Practical Hatchery Management of Warmwater Fishes

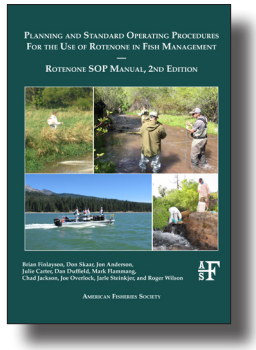
Jack Snow and Ronald P. Phelps, eds.

This book describes the components of a warmwater fish hatchery and the basic techniques used for commonly cultured freshwater fishes. The book's goal is to enable selection of an appropriate combination of techniques to successfully produce fish species in a hatchery setting. The volume is organized into three major sections. Chapters 2–12 discuss basic hatchery infrastructure, techniques, and procedures available for the production of a variety of fish species. These techniques can be applied to other fishes with similar biological characteristics. Chapters 13–16 provide details on hatchery production of commonly cultured warmwater food fish and sport fishes. A final section entitled "Toolbox" (Chapter 17) has 18 subsections covering specific techniques ranging from aquaculture planning to water filtration that have application at most hatcheries and to a number of species. The focus of this section is to provide references, many available online, that provide detail on specific issues and techniques.

This work will be a valuable reference for culturists, fisheries scientists, managers, and the interested public.

402 pp, hardcover, 2020
ISBN-13 . . . 978-1-934874-59-2
stock 550.82C
list price $79
member price $55

BIOLOGY



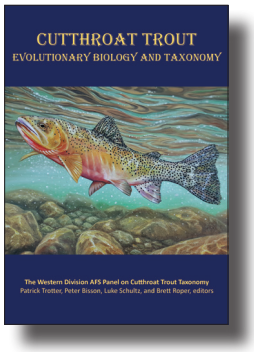
Planning and Standard Operating Procedures for the Use of Rotenone in Fish Management—Rotenone SOP Manual, Second Edition

Brian Finlayson, Don Skaar, Jon Anderson, Julie Carter, Dan Duffield, Mark Flammang, Chad Jackson, Joe Overlock, Jarle Steinkjer, and Roger Wilson, eds.

The AFS's Fish Management Chemicals Committee, in cooperation with the rotenone registrants and the U.S. Environmental Protection Agency, developed the second edition of the *Manual*. The *Manual* is considered labeling and must be present along with the label at the project work site. The revised *Manual* contains four chapters, beginning with an expanded introduction that contains up-to-date information and references on the environmental fate, fish and wildlife toxicity, and public health studies on rotenone, and product stewardship concepts to reduce environmental impacts. The second chapter provides general guidance on streamlined project planning procedures, and the third chapter contains a summary of various sampling and analytical techniques used to monitor

potential impacts on the aquatic environment. The fourth chapter contains reformatted and easier to read "standard operating procedures" that complement the label directions including the partial/selective treatment of lakes, treatment of upwelling groundwater that confound treatments, and determining the connectivity of surface and groundwater when sampling of wells is required.

163 pp, paper, 2018
ISBN-13 . . . 978-1-934874-49-3
stock 550.79P
list price $60
member price $42



Cutthroat Trout: Evolutionary Biology and Taxonomy

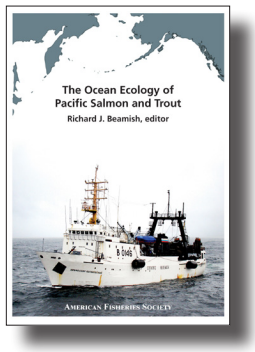
Patrick Trotter, Peter Bisson, Luke Shultz, and Brett Roper, eds.

The Cutthroat Trout is an important western North American fish species whose numbers are seriously depressed. Recently, data from new molecular taxonomy methods have revealed greater differentiation and diversity in Cutthroat Trout than previously detected. In 2015, the Western Division of the American Fisheries Society convened a special workshop to consider the different viewpoints, reconcile differing interpretations of the evidence, and, if deemed necessary, offer a revised classification of Cutthroat Trout.

The book brings together the latest available evidence for Cutthroat Trout evolutionary history and current levels of genetic diversity. It confirms the need for a revised classification of Cutthroat Trout, and proposes a revised phylogeny with four deep evolutionary divergences. This work will be of value to anyone with interest in the fields of taxonomy, systematics, evolutionary biology and genetics, phylogenetics, molecular biology and genetics, and to fisheries biologists and managers at all levels from student to longtime professionals.

(SP 36) 362 pp, paper, 2018
ISBN-13 . . . 978-1-934874-50-9
stock 510.36P
list price $79
member price $55

ECOLOGY



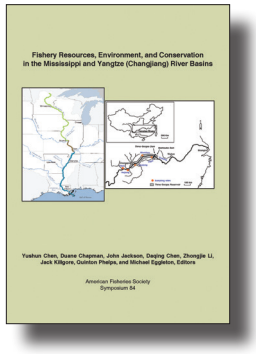
Ocean Ecology of Pacific Salmon and Trout

Richard Beamish, ed.

There has been great progress during the past two decades in the understanding of the ocean ecology of Pacific salmon and their response to climate-induced changes in their ocean environment. This book is a comprehensive summary and interpretation of the research published on the ocean ecology of six species of Pacific salmon, steelhead, and coastal Cutthroat Trout by researchers in Canada, Japan, Korea, Russia, and the United States. The book includes a summary of standard Pacific salmon research techniques in the ocean and relevant new information on the life history in freshwater.

The book provides up-to-date scientific information on the ocean life of Pacific salmon as well as discussions about future research needs. It will be an invaluable source of information and a standard reference for scientists, teachers, students, and anyone interested in Pacific salmon.

1,090 pp, hardcover, index, 2018
ISBN-13 . . . 978-1-934874-45-5
stock 550.77C
list price $98
member price $69



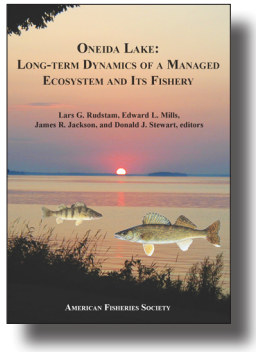
Fishery Resources, Environment, and Conservation in the Mississippi and Yangtze (Changiang) RIver Basins

Yushun Chen, Duane Chapman, John Jackson, Daqing Chen, Zhongjie Li, Jack Kilgore, Quinton Phelps and Michael Eggleton, eds.

The Mississippi and Yangtze (Changjiang) River basins, the largest basins of North America and Asia, serve as the principal navigational waterways and main water sources, and play important economic, social, cultural, and ecological roles in the two continents. Maintaining healthy and productive fisheries and the integrity of aquatic ecosystems are important for achieving sustainability in both basins. The basins share many taxa, and have experienced some of the same environmental challenges to their fisheries.

This book examines fishery resources and environment of the two basins. It provides an overview of fishery resources, geology, land use, hydrology, and environment; evaluates endangered and invasive species, biodiversity, and conservation; and assesses anthropogenic stressors, floodplains, and river restorations in the two basins.

(SY 84) 350 pp, paper, 2016
ISBN-13 . . . 978-1-934874-44-8
stock 540.84P
list price $79
member price $55



Oneida Lake: Long-term Dynamics of a Managed Ecosystem and Its Fishery

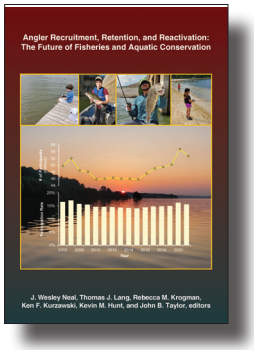
Lars G. Rudstam, Edward L. Mills, James R. Jackson, and Donald J. Stewart, eds.

Studies on the fish populations, fisheries, and limnology of Oneida Lake, New York started in the late 1950s at the Cornell University Biological Field Station. Early research concentrated on Walleye, Yellow Perch, and their interactions but was soon expanded to include interactions with the lake ecosystem, an early example of the ecosystem approach.Research on Oneida Lake has continued for 60 years and the resulting data series that couples fish ecology and limnology is one of the best available anywhere.

In this book, collaborators worldwide have contributed insights into the functioning of the lake's ecology and fisheries, and by extension to the functioning of similar freshwater lakes elsewhere. The book is divided in three sections. The first set of chapters provides an historical and landscape context to the studies, the second set analyzes the long-term data, and the third set uses those data in modeling analyses.

541 pp, paper, 2016
ISBN-13. . . . 978-1-934874-43-1
stock 550.75P
list price $79
member price $55

EDUCATIONAL & PROFESSIONAL TOOLS

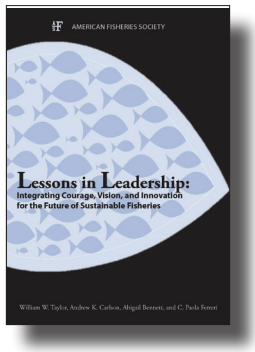


Angler Recruitment, Retention, and Reactivation: The Future of Fisheries and Aquatic Conservation

J. Wesley Neal, Thomas J. Lang, Rebecca M. Krogman, Ken F. Kurzawski, Kevin M. Hunt, and John B. Taylor, eds.

Recreational angling is a crucial component of the management of aquatic resources. Angler expenditures create jobs and economic impact to local and regional communities, and contributions by anglers to nongovernmental organizations, excise taxes paid, and fishing licenses purchased provide funds to support conservation of aquatic species and habitats. Therefore, stagnation or decline in angling participation in many locations is a major concern to management agencies and threatens to erode the political and economic support for recreational fishing. To combat these concerns, fishery management agencies are actively engaging in recruitment, retention, and reactivation efforts designed to stop the decline and begin to regrow the angling population. *Angler Recruitment, Retention, and Reactivation: The Future of Fisheries and Aquatic Conservation* represents a comprehensive evaluation of how fisheries conservation is conducted and funded within the context of the current paradigm. Further, it explores potential for expanding or even replacing that paradigm with a more inclusive model.

372 pp, hardcover, 2023
ISBN-13 . . . 978-1-934874-73-8
stock 550.88C
list price $89
member price $62



Lessons in Leadership: Integrating Courage, Vision, and Innovation for the Future of Sustainable Fisheries

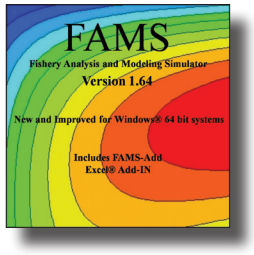
William Taylor, Andrew Carlson, Abigail Bennett, and C. Paola Ferreri, eds.

Understanding leadership skills is important for professionals in all disciplines. However, much of the leadership literature is written from business and finance perspectives, with comparatively little exploration of leadership in the natural resource professions. The dearth of leadership-related publications is particularly evident in fisheries.

The book is composed of 68 short personal vignettes linked to current and past leadership experiences and visions for the future, written by individuals representing all aspects of fisheries and aquatic resource management. The vignettes are designed to inspire the next generation of fisheries leaders to lead at all levels of the fisheries profession.

The book will be appreciated by students of fisheries biology, ecology, management, policy, and leadership development, and by fisheries professionals with backgrounds in research, management, policy, advocacy, and industry.

418 pp, paper, 2020
ISBN-13 978-1-934874-60-8
stock 550.83P
list price $79
member price. $55

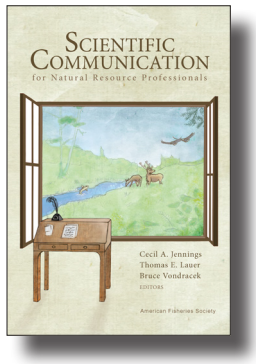


Fishery Analysis and Modeling Simulator (FAMS), version 1.64 (for 64 bit operating systems)

FAMS is designed to simulate and evaluate the dynamics of exploited fish populations. It allows for the evaluation of minimum, slot, and inverted length limits and bag limits on exploited fisheries. Input parameters require age-structure data and use the Jones modification of the Beverton–Holt equilibrium yield equation to compute both a yield per recruit and a dynamic pool model. For the dynamic pool model, the entire population is simulated over time. In addition, it helps to analyze several predicted population parameters, including the number of fish harvested and dying naturally, mean weight and length of harvested fish, number in the population above and below some lengths of interest, total number of fish and biomass in the population, stock density indices, number of age-1 fish, and the spawning potential ratio.

Compatible with Windows Vista, Windows 7, Windows 8, and Windows 10.

Downloadable software from the AFS online bookstore, 2015
stock 703.19P
list price $220
member price. $154



Scientific Communication for Natural Resource Professionals

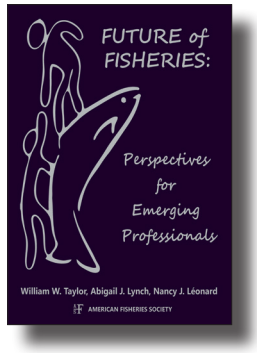
Cecil A. Jennings, Thomas E. Lauer, and Bruce Vondracek, eds.

This book is a "how to" guide to most forms of modern scientific communication, containing practical advice on improving communications and publishing success.

Includes chapters on preparing and submitting manuscripts, determining authorship, searching for information, integrating statistical methods and results into your writing, designing tables and figures, converting your thesis or dissertation to a journal manuscript, deciding where to submit your manuscript, responding to peer review, preparing poster and oral presentations for professional meetings, writing review papers, and reviewing a scientific paper.

This topical volume will be of interest to students, young professionals, educators, scientists, managers, and anyone who needs to communicate science.

180 pp, paper, 2012
ISBN-13. . . . 978-1-934874-28-8
stock 550.66P
list price $35
member price $25



Future of Fisheries: Perspectives for Emerging Professionals

William W. Taylor, Abigail J. Lynch, and Nancy J. Leonard, eds.

Learn the "what I know now that I wish I knew then!" lessons now rather than later!

Future of Fisheries: Perspectives for Emerging Professionals contains over 60 short mentoring vignettes on past experiences and visions for the future authored by many notable mentors from the fisheries field. The volume is intended to inspire and empower the next generation of fisheries professionals with advice from seasoned professionals by providing personal "lessons learned" and insights from the topics that most influenced their illustrious careers while also addressing the most urgent issues on the horizon for fisheries.

Like having a mentor on hand at the turn of a page, this book bridges a vital gap in our field by using the unique structure of mentoring vignettes to advise young fisheries professionals on how to achieve success as a fisheries professional and on what concepts will be relevant and important for the future of the fisheries profession.

506 pp, paper, 2014
ISBN-13. . . . 978-1-934874-38-7
stock 550.73P
list price $60
member price $42

Guidelines for the Use of Fishes in Research

Use of Fishes in Research Committee (joint committee of the American Fisheries Society, the American Institute of Fishery Research Biologists, and the American Society of Ichthyologists and Herpetologists)

This newly revised edition of the *Guidelines* aids researchers and regulatory authorities regarding responsible, scientifically valid research on fish and aquatic wildlife. The document is intended to provide general recommendations on field and laboratory research, such as sampling, holding, and handling fishes; to offer information on administrative matters, including regulations and permits; and to address typical ethical concerns, such as perceptions of pain or discomfort experienced by experimental subjects.

90 pp, paper, 2014
ISBN-13. . . . 978-1-934874-39-4
stock 550.74P
list price $6.00
member price $4.20

GUIDES & FAUNA

NEW

Common and Scientific Names of Fishes from the United States, Canada, and Mexico, Eighth Edition

Lawrence M. Page, Katherine E. Bemis, Thomas E. Dowling, Héctor Espinosa-Pérez, Lloyd T. Findley, Carter R. Gilbert, Karsten E. Hartel, Robert N. Lea, Nicholas E. Mandrak, Margaret A. Neighbors, Juan J. Schmitter-Soto, and H. J. Walker, Jr.

(SP 37) 439 pp, hardcover, index, 2023
ISBN-13 978-1-934874-69-1
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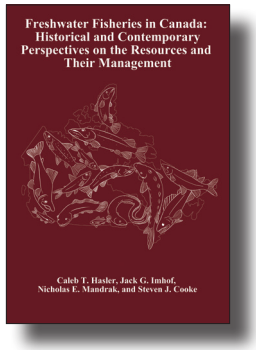
member price $42



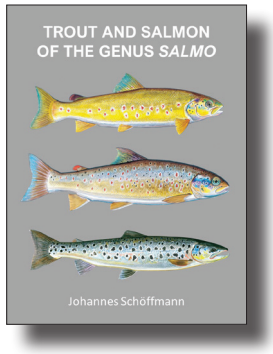
Freshwater Fisheries in Canada: Historical and Contemporary Perspectives on the Resources and Their Management

Caleb T. Hasler, Jack G. Imhof, Nicholas E. Mandrak, and Steven J. Cooke, eds.

Canada is surrounded by three oceans and home to more freshwater lakes and rivers than can be reasonably counted. It is therefore not surprising that Canada has a plethora of freshwater fisheries and a long history of use and innovative strategies for managing them.

This book is designed to follow a logical arc beginning with an overview of the Canadian landscape and the zoogeography and status of freshwater fish populations. Next, the book brings together reports on fisheries from across Canada—either at the provincial or regional scale (as dictated largely by ecoregion; e.g., the North, the Laurentian Great Lakes). Then, a number of issues and threats are presented that are useful in revealing the challenges and opportunities that exist for ensuring that freshwater fish populations are healthy and vibrant. We conclude with some reflective contributions, including short essays from some legendary fisheries professionals in Canada as well as a forward-looking piece by some early-career fisheries professionals. Taken together, this book will serve as a resource for those interested in learning about the past, present, and future of freshwater fishes and fisheries in Canada.

588 pp, hardcover, 2023
ISBN-13 978-1-934874-70-7
stock 550.87C
list price $89
member price $62



Trout and Salmon of the Genus *Salmo*

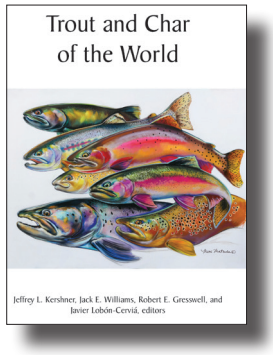
Johannes Schöffman

This book is renowned in the literature on salmonids. It is the culmination of the life's work of Johannes Schöffmann, a veritable explorer of the natural world, considered by the late Robert Behnke to be the "world's authority on Brown Trout and their relatives." The work is encyclopedic but accessible and well organized, introducing readers to the general evolutionary history, conservation status, and biological diversity of the native trouts and salmon of the *Salmo* genus, along with more detailed descriptions of the myriad of forms and subspecies spanning its entire native range from Europe, East Asia, and North Africa.

The book has something for everyone, whether as a standard reference book for students and researchers or as a guide to one of the world's most popular fish for amateur anglers or natural history enthusiasts. The book contains nearly 200 original images taken by the author of native trout and their habitats, along with accompanying maps and figures.

This is a seminal work and a must-have for the shelf of any trout enthusiast, academic and nonacademic alike.

302 pp, paper, 2021
ISBN-13. . . . 978-1-934874-63-9
stock 550.85P
list price $79
member price $55



Trout and Char of the World

Jeffrey L. Kershner, Jack E. Williams, Robert E. Gresswell, and Javier Lobón-Cerviá, eds.

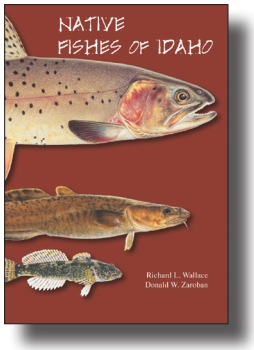
This is the first comprehensive look at the taxonomy, life history, and conservation status of the world's inland trout and char. These are fascinating and beautiful fish that rate high for the angler as well as for tourist and recreational economies. Trout and char also play key roles in the ecology of many lake and river systems around the world.

Early chapters explore the unique diversity and life history aspects of trout and char and provide information on the taxonomy and systematics while

also detailing some of unique life histories. New information is presented about species diversity and distributions by country. Summary chapters explore significant conservation and management challenges of broad interest to scientists, resource managers, anglers, and interested public. The book ends with a series of essays exploring the future of trout and char over the next 50 years.

This book will be a primary resource for trout biologists, conservationists, and anglers in the many countries where trout are native or have been introduced, and a resource for anyone interested in learning more about the diversity and distribution of trout and char worldwide.

777 pp, hardcover, index, 2019
ISBN-13. . . . 978-1-934874-54-7
stock 550.81C
list price $79
member price $55



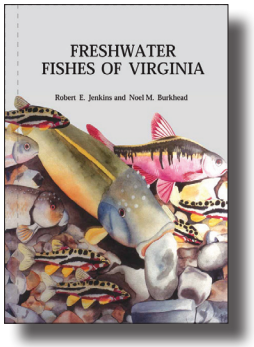
Native Fishes of Idaho

Richard L. Wallace and Donald W. Zaroban

This field guide provides accounts of 44 taxa (species, subspecies, and morphotypes) of fish native to Idaho. Of these, 25 have no defined studies of their distribution or ecological attributes in Idaho. The account for each taxon contains descriptions of the physical attributes, distribution, habitat, diet, ecology, and Idaho conservation status.

Includes color illustrations of species, distribution maps, references, glossary, and index.

213 pp, paper, index, 2013
ISBN-13. . . . 978-1-934874-35-6
stock 550.71P
list price $50
member price $35

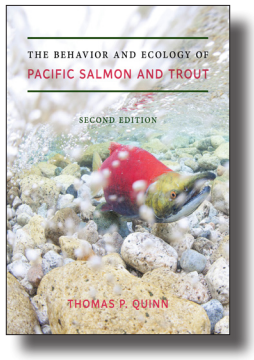


Freshwater Fishes of Virginia

Robert E. Jenkins and Noel M. Burkhead

Exhaustive treatment of 210 species of Virginia's freshwater ichthyofauna. Introductory chapters on Virginia's natural history, drainages and habitat, biogeography, and endangered species are followed by species accounts within 24 families. An extensive reference list and glossary complete the book. Abundant illustrations, detailed keys, distribution maps, and 40 pages of color plates make this a monumental reference.

1,080 pp, hardcover, 1994
ISBN-10. 0-913235-87-3
ISBN-13. . . . 978-0-913235-87-4
stock 550.20C
list price $110
member price $77



The Behavior and Ecology of Pacific Salmon and Trout, Second Edition

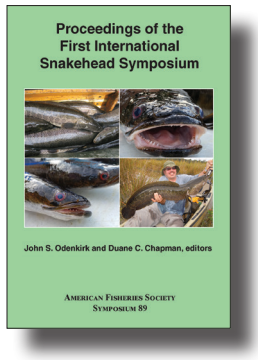
Thomas P. Quinn

The book combines in-depth scientific information with outstanding photographs and original artwork to fully describe the fish species critical to the Pacific Rim.

This completely revised and updated edition covers all aspects of the life cycle of these remarkable fish in the Pacific: homing migration from the open ocean through coastal waters and up rivers to their breeding grounds; courtship and reproduction; the lives of juvenile salmon and trout in rivers and lakes; migration to the sea; the structure of fish populations; and the importance of fish carcasses to the ecosystem. The book also includes information on salmon and trout transplanted outside their ranges.

Quinn writes with clarity and enthusiasm to interest a wide range of readers, including biologists, anglers, and naturalists. He provides the most current science available as well as perspectives on the past, present, and future of Pacific salmon and trout.

520 pp, paper, index, 2018
ISBN-13. . . . 978-1-934873-33-2
stock 637.08P
list price $60
member price $42



Proceedings of the First International Snakehead Symposium

John S. Odenkirk and Duane C. Chapman, eds.

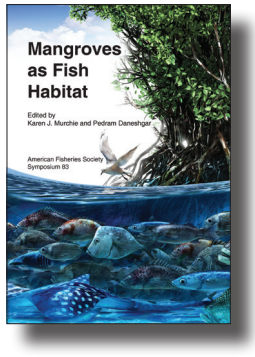
Snakeheads, fishes of the family Channidae, are native to Asia, where they are cherished as food fish and featured in aquaculture and as targets for recreational and artisanal fishers. In North America, they are among the most controversial of fishes.

To advance the science and understanding of snakeheads, and to promote discussion of how snakehead management should proceed, the First International Snakehead Symposium was held in July 2018. This book presents information presented at that symposium, including new science on snakehead diets and other aspects of biology and ecology, current species distributions and histories of invasion, along with descriptions of snakehead management and control efforts in locations inside and outside the continental United States. The book also reviews the breadth of opinion and attitudes among scientists, recreational fishers, and bow fishers in regard to these fish.

This book belongs on the shelf of fisheries scientists, invasion biologists, fisheries managers, and those interested in the harvest or control of this interesting and controversial fish.

(SY 89) 261 pp, hardcover, 2019
ISBN. 978-1-934874-58-5
stock 540.89C
list price $79
member price $55

HABITAT



Mangroves as Fish Habitat

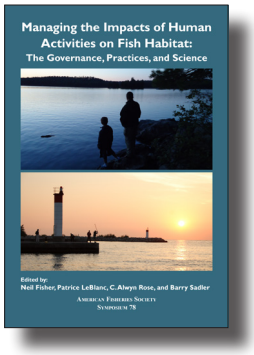
Karen J. Murchie and Pedram Daneshgar, eds.

With the continuing destruction of mangrove forests worldwide, their importance to fish populations by providing habitat connectivity, nursery grounds and trophic function is a rapidly expanding research area, and one that is increasingly at the focus of many coastal

conservation issues. Based on papers and extended abstracts presented at the 2nd International Symposium on Mangroves as Fish Habitat in April 2014, this timely book provides an updated look at mangrove-fishery linkages, community ecology and connectivity, ecological services of mangroves, potential impacts from climate change, as well as mangrove restoration success stories.

This volume will provide scientists, policymakers, educators, and students with a current, concise volume on this topic, providing much needed direction for future efforts.

(SY 83) 148 pp, paper, 2015
ISBN-13. . . . 978-1-934874-42-4
stock 540.83P
list price $79
member price $55



Managing the Impacts of Human Activities on Fish Habitat: The Governance, Practices, and Science

Neil Fisher, Patrice LeBlanc, C. Alwyn Rose, and Barry Sadler, eds.

Fish species and their habitat are under threat from the impact of overfishing, pollution, and development. This book reviews the science, governance, and practice of assessing and managing these impacts, including use of ecosystem-based approaches (EBA).

Describes innovations in use of EBA in managing economic development impacts, and highlights key features and requirements such as the identification of "safe margin" thresholds across spatial scales in support of the long term sustainability of productive capacity of aquatic ecosystems.

The book will be useful to fish habitat scientists and managers, and to all readers concerned about the adverse impact of development on fish and their habitat.

(SY 78) 264 pp, paper, 2015
ISBN-13. . . . 978-1-934874-41-7
stock 540.78P
list price $79
member price $55

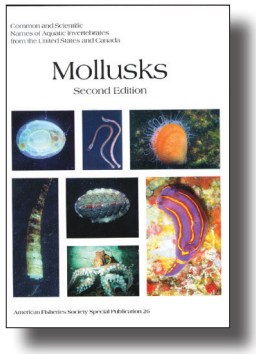
INVERTEBRATES

NEW

The Soft-Shell Clam *Mya arenaria*: Biology, Fisheries, and Mariculture

Victor S. Kennedy and Brian F. Beal, eds.

595 pp, paper, index, 2023
ISBN-13 978-1-934874-74-5
stock 550.89P
list price $79
member price $55



Common and Scientific Names of Aquatic Invertebrates from the United States and Canada: Mollusks, Second Edition

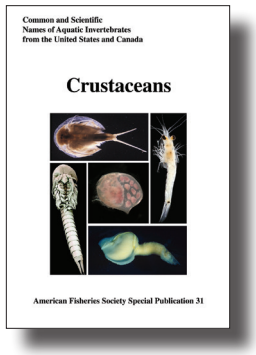
Donna D. Turgeon et al.

This edition updates the nomenclature to reflect recent phylogenetic analysis, and contains more than 300 new species. Several detailed appendices have been added: changes and additions to the first edition nomenclature, revised lists of endangered and possibly extinct species, a list of nonindigenous species, a general overview of molluscan biology and ecology information, information about collecting and collections, recommendations for guidebooks and keys, and a directory of major North American museum collections. An expanded color portfolio section illustrates the diversity of fauna within this group of invertebrates.

Compiled in cooperation with the Council of Systematic Malacologists and the American Malacological Union, this edition covers the 6,272 marine, freshwater, and terrestrial mollusks of the United States and Canada.

A companion CD-ROM contains the entire text and figures from *Names of Mollusks*, allowing professionals and researchers electronic access to all the data contained in the printed book.

(SP 26) 535 pp, paper, 1998
ISBN-10. 1-888569-01-8
ISBN-13. . . . 978-1-888569-01-8
stock 510.26P
list price $59
member price $41



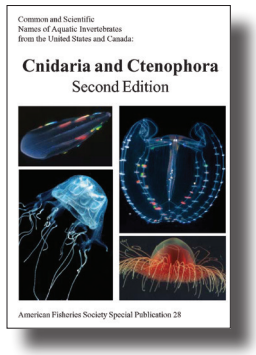
Common and Scientific Names of Aquatic Invertebrates from the United States and Canada: Crustaceans

Patsy A. McLaughlin, David K. Camp et al.

This edition represents the second edition of the list of decapod crustaceans and the first edition of the list of all other crustacean groups, including terrestrial, freshwater, and marine forms. The list has been greatly expanded to include more than 9,000 species from the United States (now including Hawaiian species) and Canada. Several detailed appendices have been added, including changes and additions to the entries for decapod crustaceans from the first edition and lists of endangered or threatened species, presumably extinct species, and nonindigenous species. The introduction is also expanded to include a detailed description of the diversity within the subphylum Crustacea. This reference was compiled in cooperation with The Crustacean Society.

Includes a companion CD-ROM.

(SP 31), 545 pp, paper, 2005
ISBN-10. 1-888569-64-6
ISBN-13. . . . 978-1-888569-64-3
stock 510.31P
list price $60
member price $42



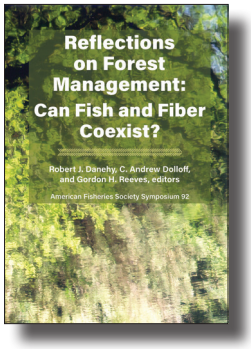
Common and Scientific Names of Aquatic Invertebrates from the United States and Canada: Cnidaria and Ctenophora, Second Edition

Stephen D. Cairns et al.

This volume (updated since the first edition and now with a CD-ROM) provides a checklist of species and recommends selected common names for North American Cnidaria and Ctenophora, thereby achieving uniformity and avoiding confusion over common names. In addition to stabilizing common name nomenclature, this list will heighten public awareness of the diversity and wide distribution of cnidarians in North America, help identify taxonomic groups in need of systematic revision, and serve as a preliminary guide to the literature required for the identification of species. This text lists more than 1,300 taxa of jellyfishes, hydroids, corals, anemones, and comb jellies and sets the standard for vernacular names of the more widely known species. This book includes an index, extensive references and bibliography, and annotated changes from the first edition.

BOOK AND CD
(SP 28), 115 pp + 32 color photos, paper, 2003
ISBN-10. 1-888569-39-5
ISBN-13. . . . 978-1-888569-39-1
stock 510.28P
list price $39
member price $27

MANAGEMENT

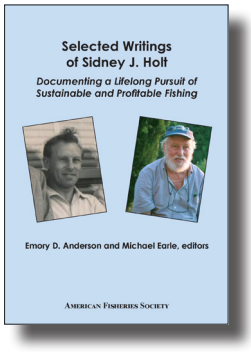


Reflections on Forest Management: Can Fish and Fiber Coexist?

Robert J. Danehy, C. Andrew Dolloff, and Gordon H. Reeves, eds.

Forests support fish. Forests provide commodities. Since the removal and replacement of much of the indigenous forests in North America during the 200+ year wave of European settlement, many aquatic species historically dependent on forests have experienced profound changes in abundance, distribution, and in some cases viability. In this volume, we present the modern history of forest exploitation and management from the early days of forest clearing to support frontier lifestyles and development of industries hungry for all types of forest products, including lumber, fuels, and naval stores, to the emergence of the sophisticated global industry of today. Chapters review and describe the interactions of fish and other aquatic biota with forest management, including impacts of forest management to fish communities, unique impacts on migratory fishes, and impacts on other biota, including rare taxa.

(SY 92) 464 pp, paper, 2022
ISBN-13. . . . 978-1-934874-66-0
stock 540.92P
list price $79
member price $55



Selected Writings of Sidney J. Holt: Documenting A Lifelong Pursuit of Sustainable and Profitable Fishing

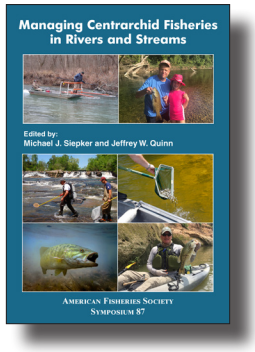
Emory D. Anderson and Michael Earle, eds.

This book, intended as a tribute to the life and accomplishments of one of the world's premiere scientists in fisheries and whale biology, population dynamics, and stock—Sidney J. Holt—contains a cross section of Holt's writings from a career that spanned eight decades.

The book is a collection of 62 selected writings authored by Holt (sometimes in collaboration with one or more co-authors), some of which had been previously published in journals, books, and assorted venues and many which had never been published. The major focus of much of the book reflects his long-standing concerns about the concept of maximum sustainable yield and its application for fisheries management. Though his name is often associated with that concept, he was, for much of his life, a vigorous opponent of its pursuit, deeming it both unsustainable and unprofitable.

This book is highly recommended for fisheries and whale scientists as well as others interested in the history of fisheries and whaling science and management.

650 pp, hardcover, bibliography, index, 2021
ISBN-13 . . . 978-1-934874-62-2
stock 550.84C
list price $89
member price $62



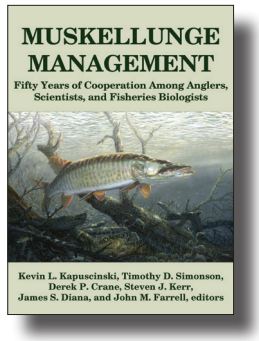
Managing Centrarchid Fisheries in Rivers and Streams

Michael J. Siepker and Jeffrey W. Quinn, eds.

This book synthesizes current scientific and management studies for centrarchids in rivers and streams, and is a must-read for natural resource professionals as well as stream fishing enthusiasts. Readers will benefit from the diverse array of topics addressed by studies of six species in 11 states. The latest information provided on native species conservation and restoration, unique lineages, species interactions and distribution, life history, habitat use, and population demographics will be useful to a variety of resource professionals. Stream fisheries managers will especially benefit from chapters that evaluate angler exploitation, stocking, fish removals, dam removal, forage addition, and harvest regulations.

This book provides a comprehensive resource for anyone interested in expanding their understanding of centrarchid fisheries in rivers and streams.

(SY 87) 270 pp, paper, 2019
ISBN-13. . . . 978-1-934874-52-3
stock 540.87P
list price $79
member price $55

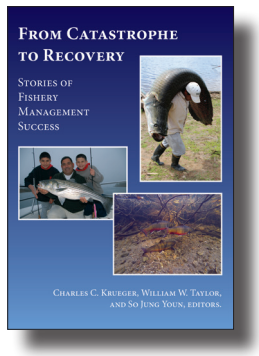


Muskellunge Management: Fifty Years of Cooperation among Anglers, Scientists, and Fisheries Biologists

Derek P. Crane, James S. Diana, John M. Farrell, Kevin L. Kapuscinski, Steven J. Kerr, and Timothy D. Simonson, eds.

Proceedings of the 2016 Hugh C. Becker Memorial Muskellunge Symposium, examining Muskellunge management and research in North America. This book represents the state of the art in our understanding of Muskellunge biology, ecology, and management and is a must-read for anyone studying or managing this iconic species. Readers will benefit from the latest information on a novel, nonlethal method for sampling contaminants in Muskellunge, how angler–scientist partnerships have enhanced management actions, how genetic tools have improved our understanding of this species, and population-level responses to management actions and outbreak of viral hemorrhagic septicemia.

675 pp, hardcover, 2017
ISBN-13. . . . 978-1-934874-46-2
stock 540.85P
list price $79
member price $55



From Catastrophe to Recovery: Stories of Fishery Management Success

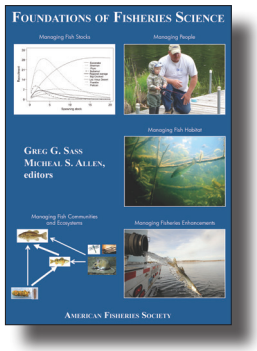
Charles C. Krueger, William W. Taylor, and So-Jung Youn, eds.

This book provides eyewitness "good news" accounts of true stories of successful fishery management in action that have resulted in bringing fish populations from the brink of extinction to full recovery with viable naturally reproducing, self-sustaining, and productive populations. The text provides incontrovertible evidence that good things can indeed happen with well-thought-out and implemented fish management programs, demonstrating that fishery professionals working together with their stakeholders can make a difference in restoring and maintaining fish and their habitats to productive levels.

Contains 22 case histories of fishery management success spanning rivers, lakes, and marine systems. Each account ends with the authors' reflections of lessons learned that could be applied to other fisheries.

The book will be useful as a college text and invaluable to natural resources researchers, managers, and their allied publics.

571 pp, hardcover, 2019
ISBN-13. . . . 978-1-934874-55-4
stock 550.80C
list price $79
member price $55



Foundations of Fisheries Science

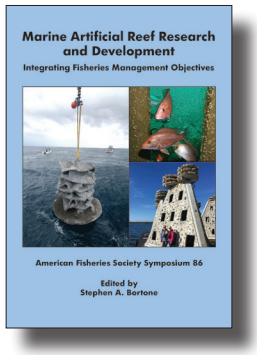
Greg G. Sass and Micheal S. Allen, eds.

Foundations of Fisheries Science highlights the classic and critical works associated with fisheries management. With input from fisheries professionals and students from around the world, the editors selected 43 full-text articles along with 30 "honorable mention" citations (with associated abstracts) that have helped to mold the discipline of fisheries science. The selected articles were represented by 21 journals, ranging in discipline from fisheries, ecology, human dimensions, and others.

The book is organized into five sections (1. Managing Fish Stocks, 2. Managing People, 3. Managing Fish Habitat, 4. Managing Fish Communities and Ecosystems, and 5. Managing Fisheries Enhancements), which represent the critical components of fisheries (fish, humans, habitat) and the most common management approaches (regulations, stocking, habitat protection/restoration). Section editors provide insightful commentaries highlighting and summarizing the articles presented in each section.

Foundations of Fisheries Science can be used as a reference, or as a textbook to lead undergraduate and graduate courses and discussions.

801 pp, hardcover, 2014
ISBN-13. . . . 978-1-934874-37-0
stock 550.72C
list price $89
member price $62



Marine Artificial Reef Research and Development: Integrating Fisheries Management Objectives

Stephen A. Bortone, ed.

Over the past 40 years, marine artificial reef researchers have explored a variety of key questions about the ecology and function of manmade marine habitat. While artificial reefs have long been presumed to offer an alternative management option to resource managers, in practice artificial reefs are often not formally incorporated into fishery management plans.

This volume addresses many of these issues with papers based chiefly on presentations given at a symposium held at the American Fisheries Society annual meeting in Tampa, Florida, and the 11th CARAH (Conference on Artificial Reefs and Related Habitats) held in Terengganu, Malaysia, both held in 2017.

This topical work presents research results that address the incorporation of artificial reefs into fishery management strategies. The book will be invaluable to natural resource researchers and managers.

(SY 86) 321 pp, paper, 2018
ISBN-13. . . . 978-1-934874-51-6
stock 540.86P
list price $79
member price $55

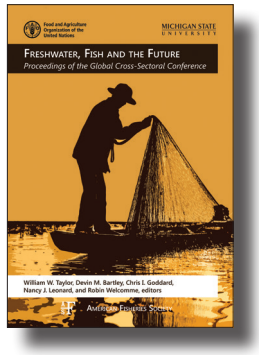
International Governance of Fisheries Ecosystems: Learning from the Past, Finding Solutions for the Future

Michael G. Schechter, Nancy J. Leonard, and William W. Taylor, eds.

Fisheries experts increasingly acknowledge the importance of globalization on local, national, and international fisheries. This book brings together fisheries and governance experts from across the globe who present case studies on a broad spectrum of the internationally shared fisheries that inhabit diverse freshwater and marine ecosystem types.

Case studies provide the biological background of the fisheries resource, including status and threats to the resource and its ecosystem. The case studies review the evolution and current governance institutions of the fisheries resource, with particular focus on international or global institutions. Each study concludes with an evaluation of the effectiveness of the current fisheries governance institutions, and recommendations for changes.

458 pp, paper, 2008
ISBN-13. . . 978-1-888569-99-5
stock 550.56P
list price $69
member price $48



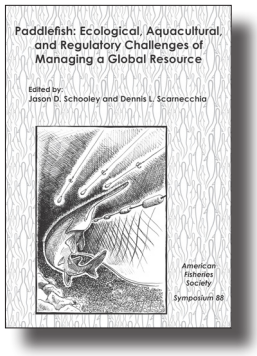
Freshwater, Fish, and the Future: Proceedings of the Global Cross-Sectoral Conference

William W. Taylor, Devin M. Bartley, Chris I. Goddard, Nancy J. Leonard, and Robin Welcomme, eds.

Inland fish and their fisheries provide important nutritional, economic, cultural, and recreational benefits and are key components of sustainable ecosystem function throughout the world. Based on papers presented during the 2015 Global Conference on Inland Fisheries organized by the Food and Agriculture Organization of the United Nations and Michigan State University, the book includes recommendations for improving information, communication, and governance relating to inland aquatic ecosystems and the fisheries and people they support. The book's chapters call for better integration of all the sectors using the world's freshwaters and offer a roadmap to ensure inland fisheries continue to provide food security and livelihoods to people today and in the future.

The book assesses the challenges facing inland fisheries worldwide, along with recommendations for addressing them, and provides potential future directions for policymakers, international development organizations, social and biological scientists, and natural resource managers.

351 pp, paper, 2016
ISBN-13. . . . 978-92-5-109263-7
stock 550.76P
list price $79
member price $55



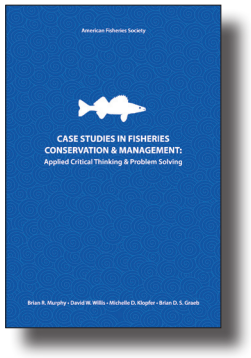
Paddlefish: Ecological, Aquacultural, and Regulatory Challenges of Managing a Global Resource

Jason D. Schooley and Dennis L. Scarnecchia, eds.

This multi-authored book with chapters by state, federal, and international agency scientists and academic experts provides an up-to-date review of biology, life history, ecology, genetics, habitat use, and sustainable fisheries management of the North American Paddlefish.

Recent advances in knowledge of life history, migrations and movements, and recruitment are included and technological advances in genetics, telemetry, sonar, environmental DNA, and microchemistry are addressed. The book includes chapters discussing Paddlefish aquaculture for restoration, supplementation, and commercial production. The scope extends beyond the domestic range of Paddlefish by adding perspectives on global status, including introduction and aquaculture in Europe and Asia. The book also has relevance to people interested in caviar, as well as to those studying and managing sturgeon and other long-lived fish species worldwide.

(SY 88) 290 pp, hardcover, 2019
ISBN-13. . . . 978-1-934874-53-0
stock 540.88C
list price $79
member price $55



Case Studies in Fisheries Conservation and Management

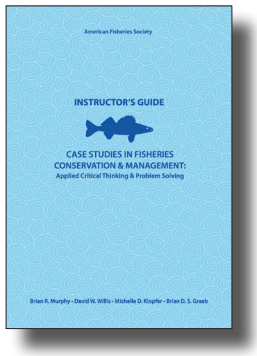
Brian R. Murphy, David W. Willis, Michelle D. Klopfer, and Brian D. S. Graeb

Through more than 30 original case studies related to contemporary conservation and management issues in fisheries, the authors of this new book challenge students to develop critical-thinking and problem-solving skills that will serve them as future natural resources professionals. This compact book will function well as a supplemental fisheries text, or as a stand-alone text for seminars or other courses designed around active learning.

Intended for the instructor who wants to challenge students to go beyond the "information" level of many science texts, these case studies have no "right answers." Many of the cases are presented in a dilemma format, where students are asked to assess information from a variety of sources, find additional information as needed, and propose and evaluate alternative solutions.

Cases are approached from a variety of dimensions (biological, ecological, political, cultural, and socioeconomic) and stakeholder perspectives. Spiral binding allows the student and instructor versions to lie flat for easy reference during classroom discussions and activities.

252 pp, paper, 2010
ISBN-13. . . . 978-1-934874-18-9
stock 550.62P
list price $50
member price $35

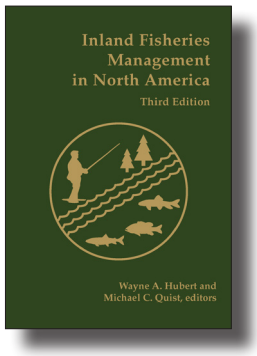


Instructor's Guide to Case Studies in Fisheries Conservation and Management

Brian R. Murphy, David W. Willis, Michelle D. Klopfer, and Brian D. S. Graeb

The companion Instructor's Guide pairs each case with a detailed set of teaching notes that cover suggested lesson plans, supplemental reference material for instructors not familiar with the case topic, and a companion CD containing case-linked PowerPoints that include all figures and digital images from the cases.

478 pp, paper, 2010
ISBN-13. . . . 978-1-934874-19-6
stock 550.63P
list price $79
member price $55



Inland Fisheries Management in North America, Third Edition

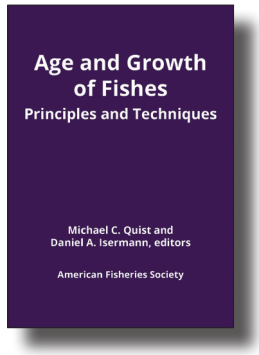
Wayne A. Hubert and Michael C. Quist, eds.

The book describes the conceptual basis and current management practices for freshwater fisheries of North America. This third edition is written by an array of new authors who bring novel and innovative perspectives. The book incorporates recent technological and social developments and uses pertinent literature to support the presented concepts and methods.

Covered topics include the process of fisheries management, fishery assessments, habitat and community manipulations, and the common practices for managing stream, river, lake, and reservoir fisheries. Chapters on history, population dynamics, assessing fisheries, regulation of fisheries, use of hatchery fish, and the process and legal framework of fisheries management are included along with innovative chapters on scales of fisheries management, communication and conflict resolution, managing undesired and invading species, ecological integrity, emerging multispecies approaches, and use of social and economic information.

The book is intended for use in fisheries management courses for undergraduate or graduate students, as well as for practicing fisheries managers.

738 pp, hardcover, index, 2010
ISBN-13. . . . 978-1-934874-16-5
stock 550.60C
list price $104
member price $73



Age and Growth of Fishes: Principles and Techniques

Michael C. Quist and Daniel A. Isermann, eds.

Estimating age structure of fish populations and growth of individuals is fundamental to evaluating fish population demographics and dynamics. This text provides a comprehensive overview of concepts and techniques associated with estimating age and growth of fishes. Although the material presented in the book is applicable to systems around the world, the primary focus is on postlarval fish in North American freshwater systems.

The book is organized into four sections. Chapters in the first section (Chapters 1–2) provide an overview of the history and importance of age and growth information, as well as an introduction to how calcified structures grow. The second section (Chapters 3–5) focuses on validation and verification of structures, choice of structures, and sampling considerations. The third section (Chapters 6–9) provides a discussion of the most common structures used to estimate the age of fish. The last section (Chapters 10–12) details methods for data summarization and analysis.

359 pp, hardcover, 2017
ISBN-13. . . . 978-1-934874-48-6
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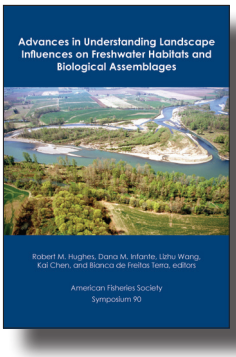

Advances in Understanding Landscape Influences on Freshwater Habitats and Biological Assemblages

Robert M. Hughes, Dana M. Infante, Lilzhu Wang, Kai Chen, and Bianca de Freitas Terra, eds.

In this 21-chapter book, 68 U.S. and international authors present current knowledge about landscape–lake and landscape–stream relationships in four continents, with a focus on improved understanding and management of fish and macroinvertebrate assemblage patterns and trends.

The book includes chapters on (1) finding and interpreting pertinent non-GIS landscape data, (2) use of riverscapes for assessing and interpreting natural and anthropogenic limits on fish species, (3) landscape–lake interactions affecting fish species and lake–river resilience, (4) methods for improving landscape-aquatic survey designs and sampling methodologies, (5) landscape effects on stream habitat conditions, (6) use of hydrologic units or regions for partitioning biotic responses to landscape conditions, and (7) employing landscape variables in predictive conservation modeling.

This book will appeal to a wide spectrum of resource professionals ranging from academic researchers and students to natural resource managers.

(SY 90) 523 pp, hardcover, glossary, index, 2019
ISBN-13. . . . 978-1-934874-56-1
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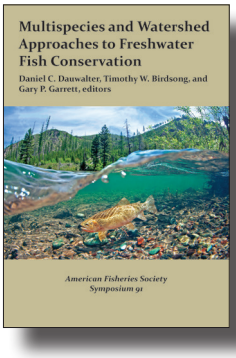


Multispecies and Watershed Approaches to Freshwater Fish Conservation

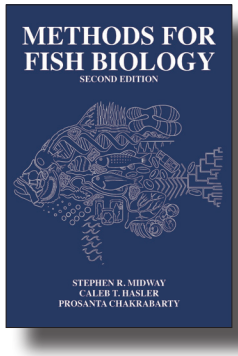
Daniel C. Dauwalter, Timothy W. Birdsong, and Gary P. Garrett, eds.

This book is a valuable resource for those involved in conservation of freshwater fishes that seek proactive, integrated, holistic approaches to conservation of freshwater, riparian, and upland habitats. Many case studies from freshwater systems throughout the United States are profiled and they include the implementation of multispecies assessments, conservation area prioritizations, partnership-based conservation planning, and watershed-scale conservation delivery.

Throughout the book you will find examples of innovative conservation approaches that focus on entire aquatic communities at watershed scales while incorporating species life history needs and compatible human uses. In addition, many chapters detail the importance of conservation planning principles and predictive modeling for efficient conservation delivery that benefits the greatest number of species. Implementation of these concepts not only will help to restore and preserve native fishes and their habitats, but can also increase awareness and capacity of local landowners, communities, and recreational users to act as advocates and stewards of these aquatic systems.

(SY 91) 693 pp, hardcover, 2019
ISBN-13. . . . 978-1-934874-57-8
stock 540.91C
list price $79
member price $55

METHODS



Methods for Fish Biology, Second Edition

Stephen R. Midway, Caleb T. Hasler, and Prosanta Chakrabarty, eds.

It has been more than 30 years since the first edition of the groundbreaking *Methods for Fish Biology* was released, and much has changed. This new edition features contributions from a diverse set of authors and includes topics not covered in the first edition and updates to many of the important topics that remain relevant to the fields of fish biology, ichthyology, and fisheries science. However, ecologists, geneticists, conservationists, reproductive biologists, and the like should find useful information here, and both the senior scientist and the new student will find useful new tools and discussions in these pages.

This new edition was designed to cover topics ranging from taxonomy to physiology to applied ecology—and everything in between. Standard information (such as histological techniques) has been updated and reinforced, while topics like stable isotopes and ecotoxicology are new additions. All chapters provide background and context before going deeper into a range of relevant methods and finally ending on what the future directions are for the topic. Each chapter is well referenced and includes a glossary.

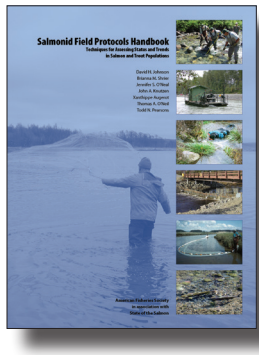
824 pp, hardcover, index, 2022
ISBN-13. . . . 978-1-934874-61-5
stock 550.86C
list price $89
member price $62

NEW

Standard Methods for Sampling North American Freshwater Fishes, Second Edition

Scott A. Bonar, Norman Mercado-Silva, and Kevin L. Pope, eds.

860 pp est., hardcover, index, 2024
ISBN-13 978-1-934874-76-9
stock 550.90C
list price $89
member price $62



Salmonid Field Protocols Handbook: Techniques for Assessing Status and Trends in Salmon and Trout Populations

David H. Johnson, Brianna M. Shrier, Jennifer S. O'Neal, John A. Knutzen, Xanthippe Augerot, Thomas A. O'Neil, and Todd N. Pearsons

This is the first publication to collect, standardize, and recommend a scientifically rigorous set of field protocols for monitoring and assessing salmon and trout populations. Includes five additional techniques that can be used with any of the 13 principal methods to supplement information gathered.

Standardized monitoring protocols will improve data reliability, maximize opportunities for data sharing and data set comparability, and ultimately improve the ability to assess status and trends. The handbook will also support consistency in data collection for salmonids at the international level.

478 pp, paper, 2007
ISBN-13. . . 978-1-888569-92-6
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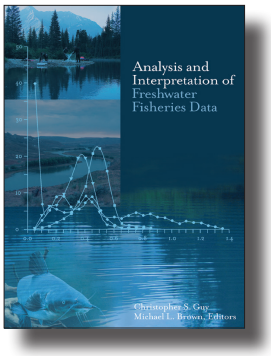
member price $25



Analysis and Interpretation of Freshwater Fisheries Data

Christopher Guy and Michael Brown, eds.

This long-awaited text is an excellent companion to AFS's *Fisheries Techniques* because it provides a frame of reference for appropriate sample design, analysis, and interpretation of freshwater fisheries data. The chapters are organized by fish and fisheries data types, including recruitment, mortality, biotelemetry, habitat, and predator–prey interactions, within major topic areas, such as population dynamics, fish biology, and community assessment.

Chapters contain subsections describing the data type(s), indices, appropriate and alternative statistical approaches, applications, summary, and references. Statistical tests are nestled within chapters to allow the reader to connect analyses to data types. Box examples allow the reader to easily follow the analysis method. The companion CD contains example data sets and programs so the reader can run the analyses, as outlined in the box examples.

The book is appropriate for advanced undergraduate and graduate students and is a practical resource for fisheries professionals. Includes a subject index and glossary.

946 pp, hardcover, with CD-ROM, 2007
ISBN-10. 1-888569-77-8
ISBN-13. . . . 978-1-888569-77-3
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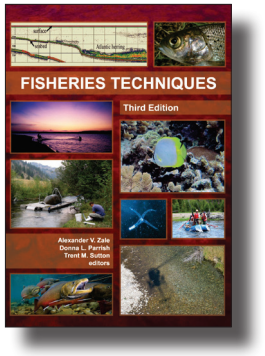

Fisheries Techniques, Third Edition

Alexander V. Zale, Donna L. Parrish, and Trent M. Sutton, eds.

The comprehensive instructional and reference volume on fisheries sampling and analysis techniques.

This new edition describes the techniques and approaches used to collect and analyze fisheries samples and data, with a greater emphasis on quantitative techniques and estuarine and marine systems. Most chapters have been rewritten and all have been updated to include recent technological, analytical, and philosophical advances. A comprehensive glossary of terms is included. The book is intended for practicing fisheries professionals, researchers, professors, and advanced undergraduate and graduate students.

1,040 pp, index, hardcover, 2012
ISBN-13 . . . 978-1-934874-29-5
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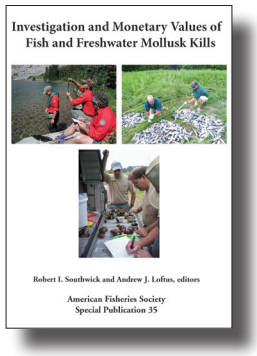

Investigation and Monetary Values of Fish and Freshwater Mollusk Kills

Robert I. Southwick and Andrew J. Loftus, eds.

This book is an update of the widely accepted monetary values of fish that have been published by AFS since 1975 (last updated in 2003 as Special Publication 30). This publication has been adopted as the legal basis for restitution or fines in more than half the states and has been upheld in numerous legal challenges. This current version presents freshwater mussel values that have been substantially refined since their initial appearance in 2003, and updates the comprehensive methods for assessing fish kills and freshwater mussel kill events.

Tables containing updated replacement cost values for most major fish species that are cultured and for freshwater mussel species in the USA are included. This book is a must for anyone involved with fish or freshwater mussel kills, propagation, and water pollution policy.

(SP 35) 165 pp, paper, 2017
stock 510.35P
list price $79
member price $55

Advances in Fish Tagging and Marking Technology

Jeremy McKenzie, Bradford Parsons, Andrew Seitz, R. Keller, Kopf, Matthew Mesa, and Quinton Phelps, eds.

Fish marking and tracking is a fundamental tool for fisheries management and research. In recent years the technologies and analytical procedures available for marking and monitoring fisheries have evolved. The 31 chapters in this volume include papers on integrated approaches, conventional tagging, acoustic tags and arrays, radio telemetry, chemical and biological markers, and archival and pop-up satellite tags.

This book will be appreciated by both fisheries scientists and managers for its coverage of many of the important advances in fish tagging technologies of the past two decades, the methods used to analyze data generated by these technologies, and the underlying management needs and objectives that only fish marking and tagging can fulfill.

(SY 76) 560 pp, hardcover, 2012
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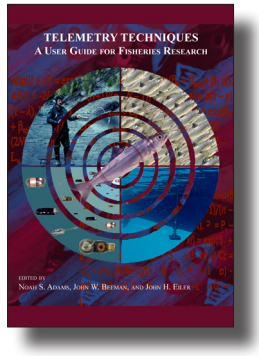

Telemetry Techniques: A User Guide for Fisheries Research

Noah S. Adams, John W. Beeman, and John H. Eiler, eds.

Telemetry provides a powerful and flexible tool for studying fish and other aquatic animals, and its use has become increasingly commonplace. However, telemetry is gear intensive and typically requires more specialized knowledge and training than many other field techniques. As with other scientific methods, collecting good data is dependent on an understanding of the underlying principles behind the approach, knowing how to use the equipment and techniques properly, and recognizing what to do with the data collected.

Topics include acoustic or radio telemetry study design, tag implantation techniques, radio and acoustic telemetry principles and case studies, and data management and analysis.

518 pp, hardcover, 2012
ISBN-13 . . . 978-1-934874-26-4
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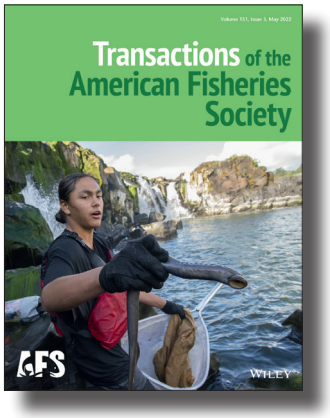

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D. Aday, editor-in-chief

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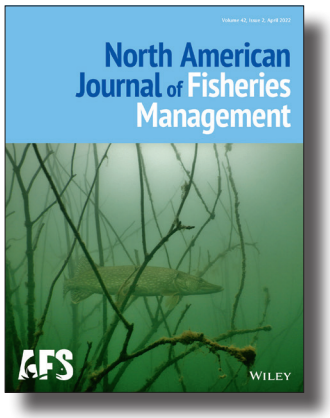

North American Journal of Fisheries Management

D. Daugherty, editor-in-chief

Research on fisheries resource maintenance, enhancement, and allocation, highlighting practical monitoring and management programs for marine and freshwater finfish and shellfish. Published bimonthly. Free online access for AFS members.

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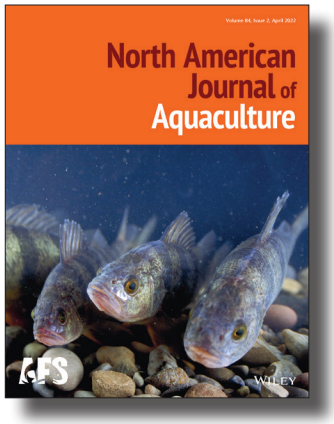


North American Journal of Aquaculture

C. C. Kohler and R. M. Harrell, eds.

Research across intensive and extensive culture of aquatic species. Topics span broodstock, nutrition, health, facilities, and more. Published quarterly. (Formerly published as *The Progressive Fish-Culturist*.) Free online access for AFS members.

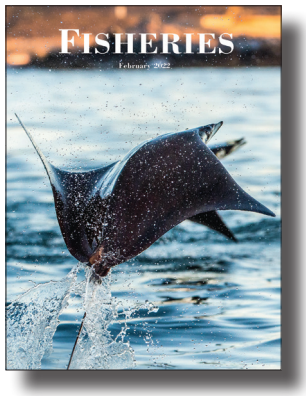
ISSN 1522-2055

Journal of Aquatic Animal Health

S. Whyte and J. C. Wolfe, eds.

Research relevant to the health of aquatic animals, focusing on causes, effects, treatments, and prevention of disease. Published quarterly. Free online access for AFS members.

ISSN 0899-7659



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S. J. Cooke, editor-in-chief

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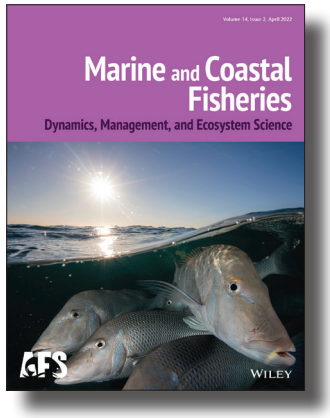

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