In many ways, this book is the culmination of more than four decades of my exploration of the taxonomy, biogeography and ecology of New Zealand’s quite small freshwater fish fauna. I began this firstly as a fisheries ecologist with the New Zealand Marine Department (then responsible for the nation’s fisheries research and management), and then with my PhD at the Museum of Comparative Zoology at Harvard University, Cambridge, MA, USA in the early-mid 1960s. Since then, employed by a series of agencies that have successively been assigned a role in fisheries research in New Zealand, I have been able to explore very widely the natural history of that fauna. Studies of the fishes of other warm to cold temperate southern lands have followed, particularly southern Australia, New Caledonia, Patagonian South America, the Falkland Islands, and South Africa and, in many ways, have provided the rather broader context within which the New Zealand fauna is embedded in terms of geography, phylogeny, and evolutionary history, and knowing this context makes the patterns within New Zealand all the clearer. An additional stream in these studies, in substantial measure driven by the behavioral ecology of these fishes round the Southern Hemisphere, has been exploration of the role of diadromy (regular migrations between marine and freshwater biomes) in fisheries ecology and biogeography, and eventually of diadromous fishes worldwide.

Field guide of Freshwater fish. The threat of deteriorating habitats and a loss of biodiversity make this reference work on the freshwater fishes of British Columbia more necessary than ever before. Eighty-one comprehensive species accounts aid accurate identification and consist of an illustration, the scientific and common names of the fish, its distinguishing characteristics, toxicological comments, geographic distribution, a life-history summary, a habitat-use summary, and conservation comments. This book is a critical resource for biologists, naturalists, management and conservation officers, anglers, and members of the public who are concerned about our natural heritage. Whether you’re an angler or naturalist this handy field guide will help you identify 64 species of freshwater fish likely to be caught on hook-and-line from the North Cascades of Washington to the Malheur River of Oregon. The noted diagnostic characters and beautiful color illustrations will prove an indispensable aid for identification. Included are notes on preferred habitat, geographical distribution and favorite baits for landing each species. This 12-panel guide, conveniently folds up in to a packet narrow enough to fit in a back pocket,
glovebox, or tackle box yet sturdy enough to stand up under repeated usedurable lamination also makes it waterproof. Size: 4x 9 folded; 9 x 24.5 unfolded.Written by a marine biologist and illustrated in colour by a prizewinning underwater photographer, Coastal Fishes of the Pacific Northwest identifies each fish by its common name and is illustrated with full-colour photographs and labelled sketches. Special sections present catching tips for anglers and commercial fishermen; location hints for divers, beachcombers and pleasure boaters; and cooking ideas for seafood gourmets. The information included in these sections provides a brief but detailed description of each fish's habitat, physical characteristics and behaviour--everything that a fisherman or an amateur naturalist needs to know! Describes the life, habits and appearance of more than a hundred species, and the ways in which the fish are caught. Certain to stand among the reference books of choice for anyone interested in the continent's aquatic ecosystems, Freshwater Fishes of North America covers the ecology, morphology, reproduction, distribution, behavior, taxonomy, conservation, and fossil record of each North American fish family. Volume 1 (of three) covers the following North American families of fishes: Petromyzontidae (Lampreys) Dasyatidae (Whiptail Stingrays) Acipenseridae (Sturgeons) Polyodontidae (Paddlefishes) Lepisosteidae (Gars) Amiidae (Bowfins) Hiodontidae (Mooneyes) Anguillidae (Freshwater Eels) Engraulidae (Anchovies) Cyprinidae (Carp and Minnows) Catostomidae (Suckers) The encyclopedic review of each fish family is accompanied by color photographs, maps, and original artwork created by noted fish illustrator Joseph R. Tomelleri. The result is a rich textual and visual experience. Widely anticipated, this monumental reference is the result of decades of analysis and synthesis by leading fish experts from a variety of universities, research laboratories, museums, and aquariums. The chapter authors of Volume 1 are: William E. Bemis Micah G. Bennett Michael D. Burns Brooks M. Burr Anthony L. Echelle Nicholas J. Gidmark Carter R. Gilbert Howard S. Gill Lance Grande Alex Haro Phillip M. Harris Eric J. Hilton Lisa J. Hopman Gregory Hubbard Bernard R. Kuhajda William J. Matthews Deborah A. McLennan Ian C. Potter Claude B. Renaud Stephen T. Ross Michael Sandel Andrew M. Simons Melvin L. Warren, Jr.Identifies over one thousand species"A handy guide to the freshwater fishes of California designed for amateur naturalists and anglers. Alcorn's illustrations are excellent."—Peter Moyle, author of Inland Fishes of California "Freshwater Fishes of California contributes to the better understanding of the past and present history and biology of native and non-native freshwater fishes of California. It also provides practical information on how to sample, care for and/or utilize these fishes. Moreover, it reads like a good novel that piques your interest on fish natural history and identification. It should be of value to anglers, environmentalists concerned with protection of our aquatic habitats and resource, natural history buffs, and governmental biologists and administrators."—Theodore W. Wooster, Environmental Specialist, retired, California Department of Fish and Game"Full of the details we ichthyologists love, this book will clearly be a standard reference on South American fishes for decades to come. The amazingly detailed glossary alone may well be worth the price of the book!"--Peter B. Moyle, author of Inland Fishes of California "A major contribution to our understanding of multiple aspects of the Neotropical freshwater fish fauna. The book will be of interest not only to ichthyologists, but also to a broader audience of researchers working on freshwater organisms and general biogeographic patterns."--Richard P. Vari, National Museum of Natural History, Smithsonian Institution "An up-to-date summary of our knowledge of a major continental biodiversity area, that should attract a wide variety of readers."--William Fink, University of Michigan "Successfully brings together disparate information and introduces new data and analyses, giving a vast overview of neotropical freshwater fishes."--Brian Crother, Southeastern Louisiana University, snout shape, pigment patterns, mouth morphology); descriptions of Virginia's freshwater habitats; examples of incredible fish spawning and feeding behavior; tips on observing fish in the wild and in captivity; a chapter on the taxonomy of family and common names of the fish species most common throughout Virginia; up-to-date fish distribution maps; a complete glossary of termsProviding a fascinating foray into the wonders of the Commonwealth's swimmers, Field Guide to Freshwater Fishes of Virginia will appeal to scientists, naturalists, teachers, native fish aquarists,
students, anglers, and fish collectors. The South Pacific has long been in need of a comprehensive guide to reef and shore fishes. This volume covers the inshore fish fauna of New Caledonia, the Loyalty Islands, the southern Gilbert Islands (Kiribati), Tuvalu, Fiji, the Wallis Islands, Tonga, Samoa, American Samoa, the Tokelau Islands, the Phoenix Islands, the Cook Islands, the Austrail Islands, Rapa, the Society Islands, the Tuamoto Archipelago, the Marquesas Islands, and the Pitcairn Islands. It contains accounts of nearly 1,500 species of fishes, illustrated with more than 2,000 color photographs, taken mostly underwater. (A few drab species are illustrated by only black and white photographs or drawings.) Species accounts are headed by the English common name, the scientific name, the author or authors who described the fish, and the date of the description. This is followed by a concise list of the characteristics needed to identify the species, the total length it attains, its distribution, habitat, and in summary form what may be known of its biology. More than 600 references are given for those seeking more information on individual species. The introduction contains a two-page color spread of the main external features of fishes. An extensive glossary of scientific terms precedes the index. This updated and greatly expanded edition of Inland Fishes of Washington describes all the known native and introduced fishes found in freshwater habitats of Washington State. The authors have created a valuable reference for anglers, biologists, teachers, students, and environmentalists in the Northwest. This wide-ranging study summarizes current knowledge on the appearance, distribution, growth, reproduction, food habits, and longevity of these fishes. The descriptions range from the ubiquitous salmon and steelhead to the Olympic mudminnow, a fish found only in the state of Washington. All are here placed within the context of the many mutually supporting species that together make up the ecological network that sustains them. An overview of Washington's topography and natural provinces clarifies the influence of geographical, historical, economic, and political forces on the existence of freshwater fishes today. The book provides instruction on the basic methods of fish identification, with keys and illustrations that bring together the traits and forms most useful in distinguishing species and subspecies. The authors are well known to fisheries professionals in the Pacific Northwest for their studies of fish, publications in professional fisheries journals, their university teaching, and first-hand experience in the field of fisheries management and research. The Behavior and Ecology of Pacific Salmon and Trout explains the patterns of mate choice, the competition for nest sites, and the fate of the salmon after their death. It describes the lives of offspring during the months they spend incubating in gravel, growing in fresh water, and migrating out to sea to mature. This thorough, up-to-date survey should be on the shelf of everyone with a professional or personal interest in Pacific salmon and trout. Written in a technically accurate but engaging style, it will appeal to a wide range of readers, including students, anglers, biologists, conservationists, legislators, and armchair naturalists. "Whether you are an angler or naturalist this handy field guide will help you identify 64 species of freshwater fish likely to be caught on hook-and-line from the North Cascades of Washington to the Malheur River of Oregon. The noted diagnostic characters and beautiful color illustrations will prove an indispensable aid for identification. Included are notes on preferred habitat, geographical distribution and favorite baits for landing each species"—Publisher's website. Now available in the US, this is the revised and expanded fifth edition of a book that has been the standard reference work for divers, anglers and scientists for over 30 years. The new edition covers 1,670 fish species found in the seas of tropical Southeast Asia, the Southern Pacific islands and Australia—including the Great Barrier Reef, Malaysia, Indonesia, Thailand, Vietnam and the Philippines. A must-have reference for divers, marine biologists, ecologists, commercial fisheries and sports anglers, this book includes a comprehensive identification guide to the families of reef fishes, with a definitive index. An informative and detailed Introduction includes area coverage; faunal composition; biology, behavior and ecology of reef fishes; classification of fishes, and much more. Originally published as Marine Fishes of South-East Asia, this edition contains numerous revisions in nomenclature affecting both the scientific Latin names and common names of the region's fishes. In all cases these have been made to reflect the current universally-accepted
terminology. The common names in this book are the result of a recent initiative undertaken by the Australian Government and Seafood Services Australia. Each species is depicted in detailed, full-color illustrations by noted marine artists Roger Swainston and Jill Ruse, including over 35 new species. In many cases, the illustrations show both male and female examples. With more than 2,000 illustrations and 29 color photographs, this definitive field guide will continue to be an invaluable resource for professionals and hobbyists alike. The digital age is upon us, but divers still want a book in their hands when they return from a dive to look up the fishes they encounter. At 3/4 of a pound, our new Reef Fish Identification - TRAVEL EDITION - Caribbean Bahamas South Florida is the answer! The Travel Edition is a Portable, lightweight field guide rugged enough for luggage, gearbag and boat. Durable waterproof and tear-proof PVC covers combined with sturdy plastic comb binding allow a quick wet-handed search for your favorite fishes. 281 species, 560 photographs, 132 pages in a 6" x 9" format. Information on each species including their common, scientific and family names, descriptions, identification markings, preferred habitat and the animal's range. Now divers can leave their larger book safely at home and rely on their Travel Edition for the ultimate reference on the boat. Twenty-three great new how-to pocket guides for every Fisherman and Hunter to use this season. The guides fold into a pocket-sized reference to be used in the field when the need arises. Each guide is die-cut and laminated for durability, even in the wettest weather. This popular book is the only field guide to all of California's 130 freshwater fish species, both native and introduced. Revised and updated throughout, the guide now features the only complete collection of color illustrations of California freshwater fishes available anywhere. These color illustrations, coupled with a set of highly detailed black-and-white drawings, provide a quick and easy method for identifying fish in the field. Detailed natural history accounts for each species give a wealth of information, including the current endangered or threatened status of many native species. * Includes angling tips for each sport fish species * Features an expanded section on cooking freshwater fish The Zoogeography of North American Freshwater Fishes is a timely, authoritative monograph which serves a twofold purpose. First, it discusses the distribution of North American freshwater fish throughout the continent. It then attempts to explain these observed distribution patterns and develops a theory for the dispersal and evolution of these fishes through historical drainage alterations, plate tectonics, and Pleistocene glaciation. The Zoogeography of North American Freshwater Fishes is a comprehensive treatment of the freshwater biogeography of North America, with implications for other disciplines. It stresses the intimate relationship between geological changes in the landscape on fish dispersal and evolution. For biologists, geologists, and geographers actively involved in biogeography, this book serves as a valuable-and practical-reference. The ecology, systematics, biogeography and management of North East Australia's native fish. A guide to most of the 137 species and subspecies of native and non-native freshwater fishes known in Oregon, with annotated keys and identification aids, including full-color photographs and illustrations. --The waters of the Pacific Northwest are home to some of the most unique and diverse marine creatures in the world, including rockfishes, greenlings and, of course, salmon. This full-colour brochure is packed with information on seventy-eight "must-have" common fishes of the Pacific Northwest. A Field Guide to Common Fish of the Pacific Northwest provides a succinct rundown on a huge variety of our fishy neighbours, and is an ideal guide for fishermen, divers and anyone interested in the marine life that fills our surrounding waters. Table of contents Key features include Over 950 illustrations of adults, juveniles, and color variants Descriptions of 157 fish families and almost 700 species Text presented adjacent to the illustrations Concise details about the biology, range, and distribution of each species Poised to become your go-to reference, this guide will find a welcome spot on your boat, in your backpack, or on your bookshelf. Answer to these common questions, plus many others, are finally answered in this new book by Florida Sportsman Senior Editor Vic Dunaway. The fish faunas of continental South and Central America constitute one of the greatest concentrations of aquatic diversity on Earth, consisting of about 10 percent of all living vertebrate species. Historical Biogeography of Neotropical Freshwater Fishes
explores the evolutionary origins of this unique ecosystem. The chapters address central themes in the study of tropical biodiversity: why is the Amazon basin home to so many distinct evolutionary lineages? What roles do ecological specialization, speciation, and extinction play in the formation of regional assemblages? How do dispersal barriers contribute to isolation and diversification? Focusing on whole faunas rather than individual taxonomic groups, this volume shows that the area’s high regional diversity is not the result of recent diversification in lowland tropical rainforests. Rather, it is the product of species accumulating over tens of millions of years and across a continental arena.