

Rare and Endangered Biota of Florida

VOLUME IV. INVERTEBRATES



Edited by Mark Deyrup and Richard Franz

RAY S. ADKINSON, JR., SERIES EDITOR

Rare And Endangered Biota Of Florida Invertebrates

Mark Deyrup



Rare And Endangered Biota Of Florida Invertebrates Invertebrates:

Rare and Endangered Biota of Florida, Vol. IV Invertebrates RE Ashton (Ed), 1992 Rare animals endangered species rare plants and endangered plants of Florida state Rare and Endangered Biota of Florida: Fishes, 1992 **Rare and Endangered Biota of Florida** Richard Franz, Mark Deyrup, 1995 The series has served as the definitive reference compendium on endangered and threatened species in Florida and is widely recognized as among the most authoritative such works in the nation I hope this revised series reinvigorates our resolve and commitment to endangered and threatened species conservation These volumes provide a comprehensive database from which to embark Robert M Brantly executive director Florida Game and Fresh Water Fish Commission from the Foreword to the series Increasing human populations and their use of land and water resources are placing unprecedented stress upon many plant and animal species unique to Florida Native habitats are rapidly being lost to agriculture ranching and forestry as well as residential and commercial development Conservation measures have been taken with success in some cases but in other cases the necessity for more stringent measures to protect the native fauna and flora has been proven Though substantial strides have been made in the last decade many Florida species are still perilously near extinction In the decades since the original publication of the Rare and Endangered Biota of Florida series new data have been gathered and the condition of the natural environment has changed In light of the continuing and increasing need to inform the residents private and government agencies and the business sector of the state the Florida Committee on Rare and Endangered Plants and Animals FCREPA has rewritten the original series Each volume is arranged in order of species status extinct extirpated endangered threatened rare and special concern The account of each species contains data categories of taxonomy description population size and trend distribution range and history of distribution geographic status habitat requirements and vulnerability of species and habitat The review of the environmental situation of the species includes causes of threat responses to habitat modification demographic characteristics key behaviors conservation measures that have been taken and those proposed for the future Tables list species currently on the FCREPA list with their status Also included are the current designations of status by the U S Fish and Wildlife Service and the Florida Game and Fresh Water Fish Commission designations A distribution map of Florida with an inset of the continental United States Caribbean and Central and upper South America shows the range of each species and photographs or finely drawn illustrations of the species accompany the description **Rare and Endangered Biota of Florida** Mark Deyrup, 1995-01-20 The series has served as the definitive reference compendium on endangered and threatened species in Florida and is widely recognized as among the most authoritative such works in the nation I hope this revised series reinvigorates our resolve and commitment to endangered and threatened species conservation These volumes provide a comprehensive database from which to embark Robert M Brantly executive director Florida Game and Fresh Water Fish Commission from the Foreword to the series Increasing human populations and their use of land and water resources

are placing unprecedented stress upon many plant and animal species unique to Florida Native habitats are rapidly being lost to agriculture ranching and forestry as well as residential and commercial development Conservation measures have been taken with success in some cases but in other cases the necessity for more stringent measures to protect the native fauna and flora has been proven Though substantial strides have been made in the last decade many Florida species are still perilously near extinction In the decades since the original publication of the Rare and Endangered Biota of Florida series new data have been gathered and the condition of the natural environment has changed In light of the continuing and increasing need to inform the residents private and government agencies and the business sector of the state the Florida Committee on Rare and Endangered Plants and Animals FCREPA has rewritten the original series Each volume is arranged in order of species status extinct extirpated endangered threatened rare and special concern The account of each species contains data categories of taxonomy description population size and trend distribution range and history of distribution geographic status habitat requirements and vulnerability of species and habitat The review of the environmental situation of the species includes causes of threat responses to habitat modification demographic characteristics key behaviors conservation measures that have been taken and those proposed for the future Tables list species currently on the FCREPA list with their status Also included are the current designations of status by the U S Fish and Wildlife Service and the Florida Game and Fresh Water Fish Commission designations A distribution map of Florida with an inset of the continental United States Caribbean and Central and upper South America shows the range of each species and photographs or finely drawn illustrations of the species accompany the description

Rare and Endangered Biota of Florida Ray E. Ashton, **Rare and Endangered Biota of Florida: Mammals** Ray E. Ashton, 1992 This is part of a two volume reference work on rare and endangered biota of Florida Each volume is arranged in order of species status extinct extirpated endangered threatened rare and special concern The account of each species contains data categories of taxonomy description population size and trend history and range of distribution geographic status habitat requirements and vulnerability of species and habitat The review of the environmental situation of the species includes causes of threat responses to habitat modification demographic characteristics key behaviours and conservation measures that have been taken and those proposed for the future Tables list species currently on the FCREPA list with their status Also included are the current designations of status by the US Fish and Wildlife Service and the Florida Game and Fresh Water Fish Commission Of the 43 mammals listed in this volume four subspecies have been recognized as extinct since the publication of the original edition In the case of the endangered Florida panther despite many conservation measures experts predict it will be extinct in 30 35 years without the radical intervention of captive rearing and re establishment of new populations Volume II focuses on fishes

Ecology and Classification of North American Freshwater Invertebrates James H. Thorp, Alan P. Covich, 2001-05-11 The First Edition of *Ecology and Classification of North American Freshwater Invertebrates* has been immensely popular with students and researchers

interested in freshwater biology and ecology limnology environmental science invertebrate zoology and related fields The First Edition has been widely used as a textbook and this Second Edition should continue to serve students in advanced classes The Second Edition features expanded and updated chapters especially with respect to the cited references and the classification of North American freshwater invertebrates New chapters or substantially revised chapters include those on freshwater ecosystems snails aquatic spiders aquatic insects and crustaceans Most up to date and informative text of its kind Written by experts in the ecology of various invertebrate groups coverage emphasizes ecological information within a current taxonomic framework Each chapter contains both morphological and taxonomic information including keys to North American taxa usually to the generic level as well as bibliographic information and a list of further readings The text is geared toward researchers and advanced undergraduate and graduate students

The Conservation of Insects and Their Habitats N.M. Collins, 2012-12-02 The Conservation of Insects and their Habitats is a compilation of papers presented in the 15th Symposium of the Royal Entomological Society of London held at the Department of Physics Lecture Theatre Imperial College London on September 14 15 1989 The papers cover topics on the diversity of entomological habitats and ecological roles around the world and highlight the value of insects to humanity Some practical proposals for conservation especially in tropical forests and on islands where their diversity is greatest are also given This book will add to the continuing force for the conservation and protection of biological diversity of the Earth FGT (Florida Gas Transmission Company) Phase III Expansion Project [FL, MS, AL, LA], 1993 *FWS/OBS.*, 1982 *Ocala National Forest (N.F.), Access Designation*, 2005 Naval Training Center Orlando, Disposal and Reuse, Orange County, 1996 Water-resources Investigations Report, 2001 **Florida's Uplands** Ellie Whitney, D Bruce Means, Anne Rudloe, 2015-10-17 Taken from the earlier book Priceless Florida and modified for a stand alone book this volume discusses the well drained areas of Florida including high pine grasslands flatwoods and prairies interior scrub hardwood hammocks rocklands and caves and beach dunes Introduces readers to the trees and plants insects mammals reptiles and other species that live in Florida's unique uplands ecosystem Next in series See all of the books in this series **Renewal of Authorization to Use Pinecastle Range, Ocala National Forest**, 2002 Butterflies through Binoculars Jeffrey Glassberg, Marc C. Minno, John V. Calhoun, 2000-08-03 Butterfly enthusiasts nature lovers and curious general readers will perhaps be surprised to learn that Florida's butterfly fauna is unique and that until the appearance of this volume there has been no adequate field guide for the butterflies of this region This guide simplifies identification by illustrating only species found in Florida using superb photographs of live butterflies coupled with detailed range maps and identification data It also offers with unprecedented detail much information on flight times and abundances for each of five Florida subregions including reports on 70 localities in which to find butterflies Lastly discussions of the foodplants for each species along with suggestions for attracting these species to one's garden make this work invaluable for all Florida gardeners interested in butterflies **Florida Keys**

National Marine Sanctuary Comprehensive Management Plan, Monroe County ,1996 Florida Keys National Marine Sanctuary: Development of the management plan : environmental impact statement ,1995 Looe Key National Marine Sanctuary ,1980 Geological Approaches to Coral Reef Ecology Richard B. Aronson,2007-03-09

This book provides a unique perspective on the destruction both natural and human caused of coral reef ecosystems. Reconstructing the ecological history of coral reefs the authors evaluate whether recent dramatic changes are novel events or part of a long term trend or cycle. The text combines principles of geophysics, paleontology and marine sciences with real time observation examining the interacting causes of change: hurricane damage, predators, disease, rising sea level, nutrient loading, global warming and ocean acidification. Predictions about the future of coral reefs inspire strategies for restoration and management of ecosystems. Useful for students and professionals in ecology and marine biology including environmental managers.

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