

DOWNLOAD PDF A PRACTITIONERS GUIDE TO FRESHWATER BIODIVERSITY CONSERVATION

Chapter 1 : Drafting a Conservation Blueprint

A Practitioner's Guide to Freshwater Biodiversity Conservation brings together knowledge and experience from conservation practitioners and experts around the world to help readers understand the global challenge of conserving biodiversity in freshwater ecosystems.

This map of freshwater ecoregions is based on the distributions and compositions of freshwater fish species and incorporates major ecological and evolutionary patterns. Covering virtually all freshwater habitats on Earth, this ecoregion map, together with associated species data, is a useful tool for underpinning global and regional conservation planning efforts particularly to identify outstanding and imperiled freshwater systems ; for serving as a logical framework for large-scale conservation strategies; and for providing a global-scale knowledge base for increasing freshwater biogeographic literacy. Growth of the human population, rising consumption, and rapid globalization have caused widespread degradation and disruption of natural systems, especially in the freshwater realm. Freshwater ecosystems have lost a greater proportion of their species and habitat than ecosystems on land or in the oceans, and they face increasing threats from dams, water withdrawals, pollution, invasive species, and overharvesting MEA , Revenga et al. Freshwater ecosystems and the diverse communities of species found in lakes, rivers, and wetlands may be the most endangered of all MEA In terms of area, freshwater ecosystems occupy only 0. Each year, new freshwater species are described. For South America alone, about new freshwater fish species have been described in the last five years Eschmeyer , a figure that corresponds to a new species every four days. The presence of species confined to small ranges is also unusually high in freshwater ecosystems; for example, animal species have been recorded as endemic to Lake Tanganyika Groombridge and Jenkins Despite this combination of extraordinary richness, high endemism, and exceptional threat, few broadscale conservation planning efforts have targeted freshwater systems and their dependent species. This relative inattention derives in part from an acute lack of comprehensive, synthesized data on the distributions of freshwater species Revenga and Kura Such inventories are valuable for highlighting research priorities and providing a global picture of how taxonomic diversity compares across continents, but they have limited utility for conservation planning efforts, for which the largest planning unit is often the river basin or ecoregion. A global freshwater regionalization Ecoregions are a widely recognized and applied geospatial unit for conservation planning, developed to represent the patterns of environmental and ecological variables known to influence the distribution of biodiversity features at broad scales Groves et al. Building on the work of Dinerstein and colleagues , we define a freshwater ecoregion as a large area encompassing one or more freshwater systems with a distinct assemblage of natural freshwater communities and species. The freshwater species, dynamics, and environmental conditions within a given ecoregion are more similar to each other than to those of surrounding ecoregions, and together form a conservation unit. Ecoregion boundaries are not necessarily determined by the turnover of species ranges McDonald et al. Ecoregion delineation benefits from the best available data describing species and systems ecology, but can proceed with imperfect information Wikramanayake et al. Global ecoregion frameworks have already been developed for the terrestrial and, more recently, marine realms, both of which are characterized by their own data limitations Olson et al. In this article we demonstrate how the ecoregion concept has been applied to freshwater systems, and present the first global map of freshwater ecoregionsâ€”a starting point for conservation planning anywhere on Earth. Ecoregions have typically been delineated to represent patterns of potential vegetation Olson et al. Terrestrial ecoregions are delineated largely on the basis of climate, physiography, and vegetation types, but different features are often dominant in shaping the broadscale distributions of freshwater species. As Tonn described, the species occurring in a given river reach, lake, spring, or wetland will be a function of a hierarchy of continental-scale filters including mountain building, speciation, and glaciation that have defined large biogeographic patterns; regional-scale filters such as broad climatic and physiographic patterns, and dispersal

DOWNLOAD PDF A PRACTITIONERS GUIDE TO FRESHWATER BIODIVERSITY CONSERVATION

barriers such as regional catchments ; and subregional and finer-scale habitat filters e. Freshwater ecoregions capture the patterns generated primarily by continental- and regional-scale filters.

DOWNLOAD PDF A PRACTITIONERS GUIDE TO FRESHWATER BIODIVERSITY CONSERVATION

Chapter 2 : A Practitioner's Guide to Freshwater Biodiversity Conservation

calendrierdelascience.com calendrierdelascience.com?ean=#/.

HPB pick - Out of stock Loading HPB condition ratings New: Item is brand new, unused and unmarked, in flawless condition. No defects, little usage. May show remainder marks. Older books may show minor flaws. Shows some signs of wear and is no longer fresh. Used textbooks do not come with supplemental materials. Average used book with all pages present. Possible loose bindings, highlighting, cocked spine or torn dust jackets. Obviously well-worn, but no text pages missing. May be without endpapers or title page. Markings do not interfere with readability. All text is legible but may be soiled and have binding defects. Reading copies and binding copies fall into this category. Mint condition or still sealed SS. Absolutely perfect in every way. No defects, little sign of use, well cared for. Not necessarily sealed or unused, but close. Could be an unopened promotional or cut item. Will show some signs that it was played and otherwise handled by a previous owner who took good care of it. Attractive and well cared for, but no longer fresh. Minor signs of wear, scuffing or scratching, but will play almost perfectly. This item is in okay condition. Obviously well-worn and handled. Most vinyl collectors will not buy good or below, but some tracks on CD or vinyl will play. This movie is unopened and brand new. No defects, little sign of use. No skipping; no fuzzy or snowy frames in VHS. Attractive and well cared for but no longer fresh. Minor signs of wear, but will play almost perfectly. This item is in okay condition and basically works well. Basically plays, but may be obviously well-worn with some scratching or tape distortion. Disc or tape is intact, but may be scratched or stretched. There may be skips or distortion or product defects. Sign up for bookish emails And get a coupon for your first purchase.

Chapter 3 : NatureServe - Wikipedia

A Practitioner's Guide to Freshwater Biodiversity Conservation brings together knowledge and experience from conservation practitioners and experts around the world to help readers understand the.

Chapter 4 : A practitioner's guide to freshwater biodiversity conservation - CORE

Brings together knowledge and experience from conservation practitioners and experts around the world to help readers understand the challenge of conserving biodiversity in freshwater ecosystems.

Chapter 5 : Nicole Silk (Editor of A Practitioner's Guide to Freshwater Biodiversity Conservation)

Freshwater biodiversity conservation Ecology Brings together knowledge and experience from conservation practitioners and experts around the world to help readers understand the challenge of conserving biodiversity in freshwater ecosystems.

Chapter 6 : Kristine Ciruna (Author of A Practitioner's Guide to Freshwater Biodiversity Conservation)

A Practitioner's Guide to Freshwater Biodiversity Conservation by Silk, Nicole (EDT)/ Ciruna, Kristine (EDT). Hardcover available at Half Price Books® calendrierdelascience.com

Chapter 7 : management of freshwater biodiversity | Download eBook PDF/EPUB

Practitioner's Guide to Freshwater Biodiversity Conservation Conserving freshwater biodiversity presents unique

DOWNLOAD PDF A PRACTITIONERS GUIDE TO FRESHWATER BIODIVERSITY CONSERVATION

challenges for conservation practitioners. Meeting these challenges requires understanding how freshwater ecosystems are formed and how they function.

Chapter 8 : Download [PDF] Management Of Freshwater Biodiversity Free Online | New Books in Politics

Kristine Ciruna is coordinator of conservation programs for The Nature Conservancy of Canada at Victoria, British Columbia.. Kristine Ciruna is the auth.

Chapter 9 : Network of Conservation Educators and Practitioners (NCEP) | AMNH

Description: A Practitioner's Guide to Freshwater Biodiversity Conservation brings together knowledge and experience from conservation practitioners and experts around the world to help readers understand the global challenge of conserving biodiversity in freshwater ecosystems. More importantly, it offers specific strategies and suggestions.