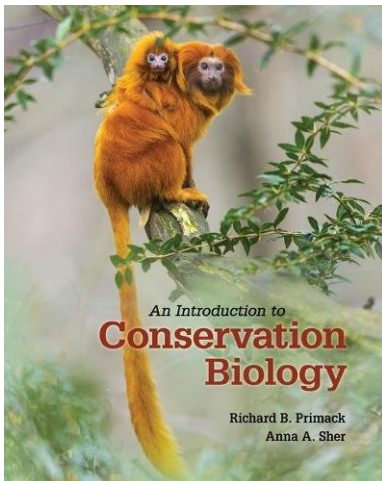


[PDF] An Introduction To Conservation Biology

Richard B. Primack, Anna Sher - pdf download free book



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Description:

New coauthor Anna Sher joins longtime author Richard Primack in creating a book that combines the readability of Primack's *A Primer of Conservation Biology* with the depth and coverage of his larger textbook, *Essentials of Conservation Biology*. The result is a book well suited for a wide range of undergraduate courses, as both a primary text for conservation biology courses and a supplement for ecological and environmental science courses.

Using the chapter framework of the current *Primer* as a springboard, the authors have added three chapters focused on population biology conservation tools (Chapter 7),

restoration ecology (Chapter 10), and the future of conservation (Chapter 12). Sustainable development, ex situ conservation, and other key topics have been expanded and updated with hundreds of new examples, explanations, citations, and figures to enhance learning and excitement for the subject. Mining her experience teaching conservation biology with Dr. Primack's texts for over a decade, Dr. Sher fine-tunes the presentation of difficult concepts, particularly in economics and politics. Coverage of recent conservation biology events in the news--such as the poaching of Cecil the lion, the first papal encyclical on the environment, and the international Paris Accord on climate change--keeps the content fresh and current.

The book's twelve chapters (see Contents) focus successively on biological diversity and its value; threats to biological diversity; conservation at the population and species levels; protecting, managing and restoring ecosystems; and sustainable development. Each chapter begins with general ideas and principles, beautifully illustrated in full color with diverse examples from the current literature. Chapters end with summaries, an annotated list of suggested readings, discussion questions, and extensive summary statements in the text margins, as study aids. Throughout, the authors maintain a focus on the active role that scientists, local people, conservation organizations, government, and the general public play in protecting biodiversity, even while providing for human needs.

RESOURCES

For Instructors

Instructor's Resource Library

This resource includes all figures (line-art illustrations and photographs) and tables from the textbook, provided as both high- and low-resolution JPEGs. All have been formatted and optimized for excellent projection quality. Also included are ready-to-use PowerPoint slides of all figures and tables.

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This course will provide an introduction to the discipline of conservation biology. The first two-thirds of the course will focus on the biological aspects of the discipline. Topics covered will include patterns of biodiversity and extinction, causes of extinction and population declines, techniques used to restore populations, landscape level conservation planning, and the role of conservation in protecting ecosystem services. The final third will cover the practical aspects of implementing conservation actions and will include lectures on conservation economics and conservation law. Start studying Introduction to Conservation Biology. Learn vocabulary, terms and more with flashcards, games and other study tools. Conservation Biology. Main Goal: Maintain biodiversity. Scientific study of Earth's biodiversity with aim to protect species, their habitats and ecosystems from excessive rates of extinction. Three Main Conservation Ethics in the U.S. 1. Romantic-Transcendental Conservation Ethic. 2. Resource Conservation Ethic. 3. Evolutionary-Ecological Conservation Ethic. Romantic-Transcendental. Rapid disappearance of the eastern wilderness. Expansion of western frontier. Celebrated the aesthetician and spiritual value of contact with wild nature, and inspired campaigns for the protection of parkland, Conservation biology clearly concerns conserving something biological or ecological, but what is or should be conserved? Work has focused on a variety of units. As examples, some have focused on species such as the spotted owl *Strix occidentalis* (Yaffee 1994) and loggerhead turtle *Caretta caretta* (Bolten & Witherington 2003); some have focused on populations and sub-species such as wild salmon *Oncorhynchus* spp. Conservation would be an impractical proposal if biodiversity were construed in this way: everything biological would become a goal of conservation. (Sarkar 2005: 180). An Introduction to Conservation Biology 2nd Edition by Anna A. Sher; Richard B. Primack and Publisher Sinauer Associates. Save up to 80% by choosing the eTextbook option for ISBN: 9781605358987, 1605358983. The print version of this textbook is ISBN: 9781605358970, 1605358975. An Introduction to Conservation Biology 2nd Edition by Anna A. Sher; Richard B. Primack and Publisher Sinauer Associates. Save up to 80% by choosing the eTextbook option for ISBN: 9781605358987, 1605358983. The print version of this textbook is ISBN: 9781605358970, 1605358975. Back to Top. Conservation Biology. Gerald Dick and Markus Gusset. INTRODUCTION. Conservation biology, a relatively new stage in the application. of science to conservation problems, addresses the biology. of species, communities, and ecosystems that are perturbed, either directly or indirectly, by human activities or other. Conservation. biology thus provides an understanding of both threatening. and mitigating factors in order to propose solutions for real-. world conservation challenges.