

■ 吕宪国 主编

# 中国湿地与湿地研究

WETLAND ECOSYSTEM STUDY IN CHINA

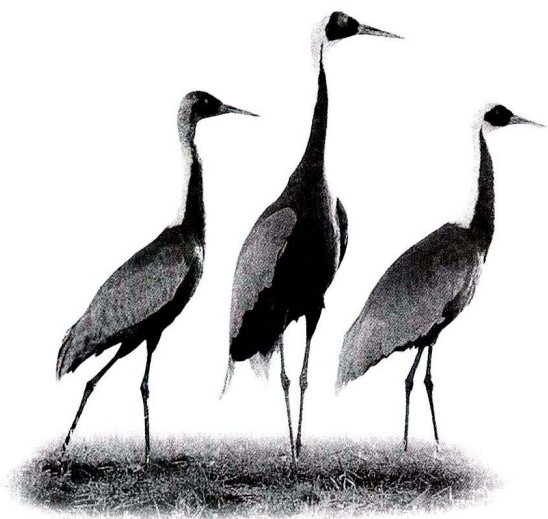


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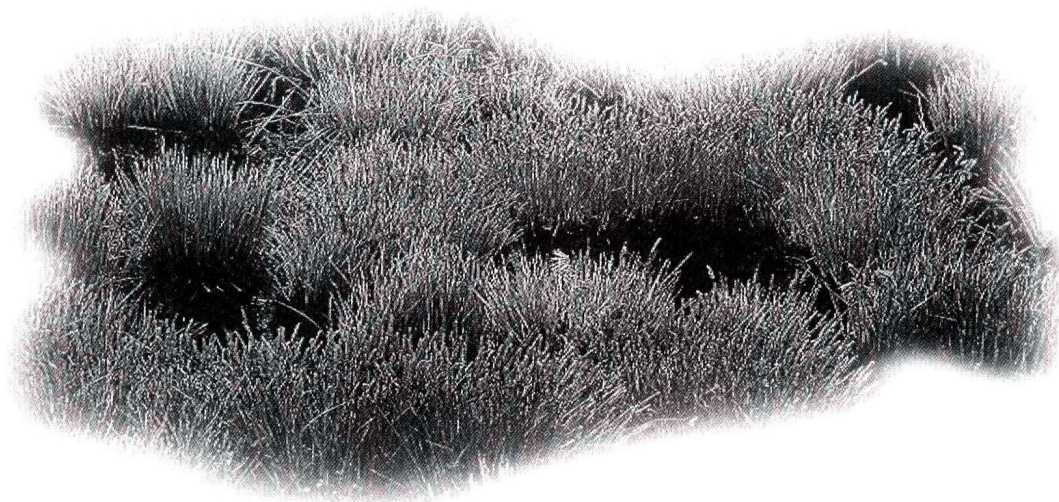


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## 内容简介

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本书是对中国近五十年来湿地研究与管理的成果总结,是“十一五”国家重点图书出版规划项目。

全书共分4个部分。第一部分系统介绍了目前湿地保护管理及科学研究的现状及其发展趋势,阐述了湿地的基本概念、分类及分布特征,阐明了不同湿地类型的结构与功能。第二部分介绍了湿地的形成与演化,湿地的动态变化及其驱动因子,提出了湿地生态系统的监测内容及指标体系。第三部分分别描述了中国不同区域的湿地生态特征及其资源利用状况。本书最后一部分主要论述了中国湿地保护、恢复和可持续管理,包括湿地生态系统管理的理论基础和方法、湿地生态系统评价、湿地保护区建设与管理、退化湿地生态系统恢复及中国湿地资源的合理利用途径与模式等内容。

本书系统阐述了湿地的概念、形成、不同湿地类型的分布及其结构功能,提出了一套实用的湿地生态系统监测指标体系。基于我国自然地理区划、湿地的自然特征及省级行政单元,对湿地进行了分区,并对不同区域的湿地生态特征、资源及其合理利用进行了描述,为湿地科学管理及科学研究提供了宝贵的资料及数据平台。结合已有的研究工作基础和具体案例,对湿地生态系统恢复的基础理论、对策和关键技术进行了论述,提出了建立湿地友好型农业模式的方法与技术。

本书内容丰富、资料翔实、系统性强,可供湿地科学、地理学、生态学、环境科学及湿地保护的科研及管理人员使用。



# 内容简介

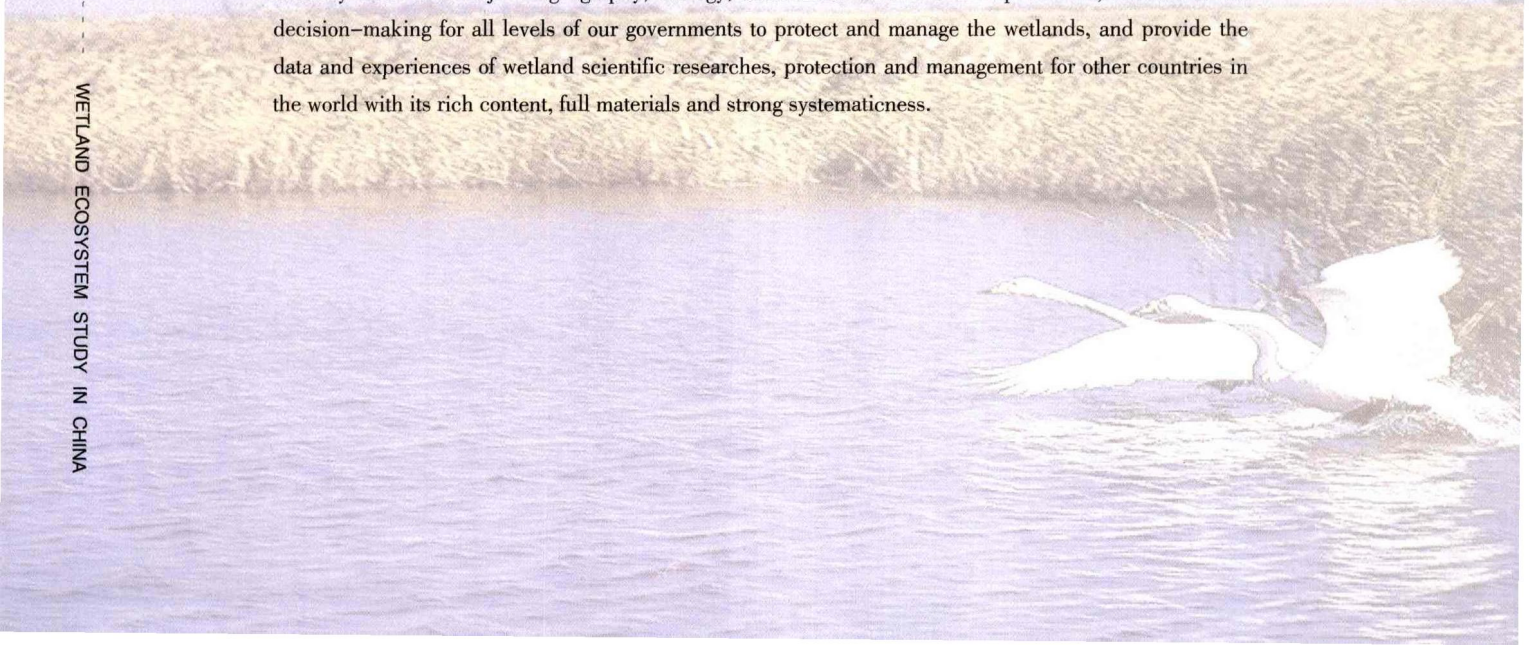
## CONTENTS

This monograph, which has been listed in the "Eleventh Five-Year" National Key Books Publication Plan, is intended to comprehensively summarize the achievements in wetland researches and management of China in last 50 years.

The entire book is divided into 4 parts. The first part introduces the current status and the trends of wetland protection, management and scientific researches, and illuminates the basic concept, classification and the distribution characteristics of wetland as well as the structures and the functions of different wetland types in China. The second part introduces the formation, evolution, and the dynamic change and its drive factors of wetland, proposing the wetland ecosystem monitoring content and the indicator system. The third part separately describes the regional ecology characteristics and the resource utilization status of wetland in China. The last part mainly illuminates the wetland protection, restoration, and sustainable management, including the principles and techniques of wetland ecosystem management, the wetland ecosystem assessment, the construction and management of wetland nature reserves, the restoration of degenerated wetland ecosystems, and the approaches and modes of reasonable utilization of wetland resource.

This book systematically illuminates the wetland concept, wetland formation, and the distribution and their structures and functions of different wetland types, proposing a set of practical monitoring indicator system of wetland ecosystem. Based on the physical geographical regionalization, the wetland natural characteristics, and the provincial-level administration units, this book innovatively establishes a scientific and reasonable regionalization of wetland in China, and describes the wetland ecological characteristics, resources and reasonable utilization, which provides the precious materials and the data platform for the wetland scientific management and scientific researches. Combined with the existed research basis and the concrete research cases, this book discusses the basic principles, the strategies, and the key techniques, proposing the methods and techniques of wetland-friendly agriculture modes. These systematical illuminations highlight the innovativity of research contents, the integrality of the disciplinary system and the frontiers of wetland theory.

As the important scientific achievements of wetland research and management, this book can be used by those who major in geography, ecology, environmental science and protection, referred to the decision-making for all levels of our governments to protect and manage the wetlands, and provide the data and experiences of wetland scientific researches, protection and management for other countries in the world with its rich content, full materials and strong systematicness.







茂密的柳树丛灌和小叶章草甸









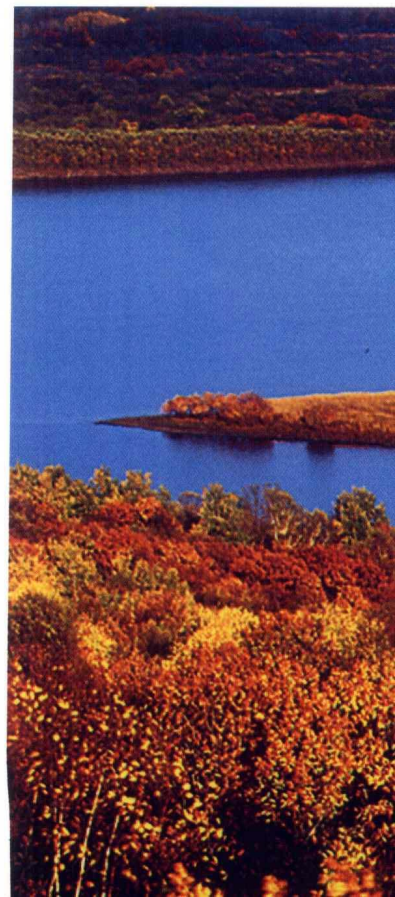
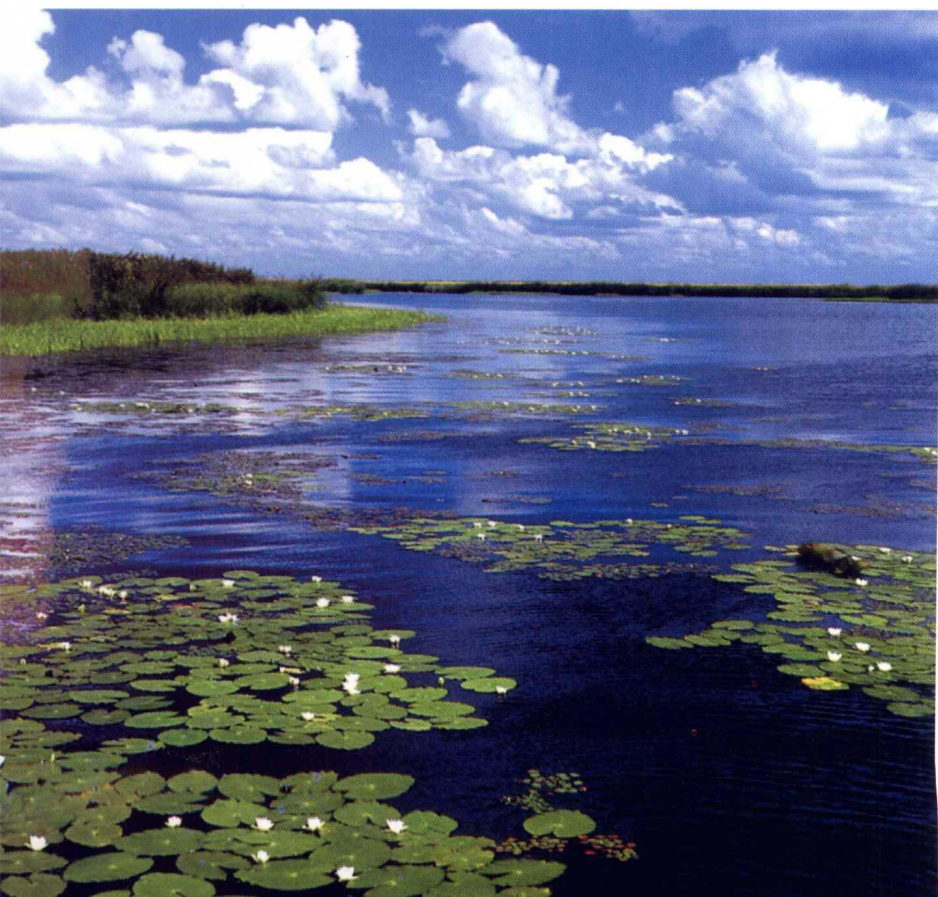
河流纵横的三江湿地





岛状林沼泽性河流湿地

睡莲







塔头苔草湿地

辉生四野山川秀







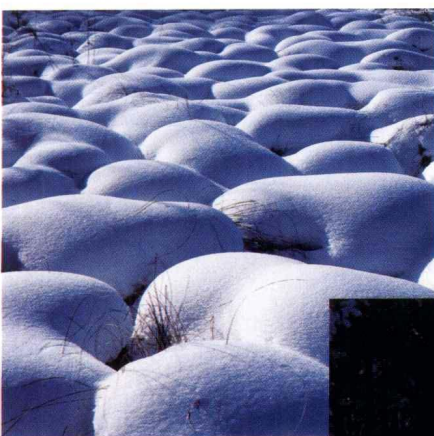
“心字河”就像上帝赐给万物的心脏，日复一日、年复一年地滋润着大地。



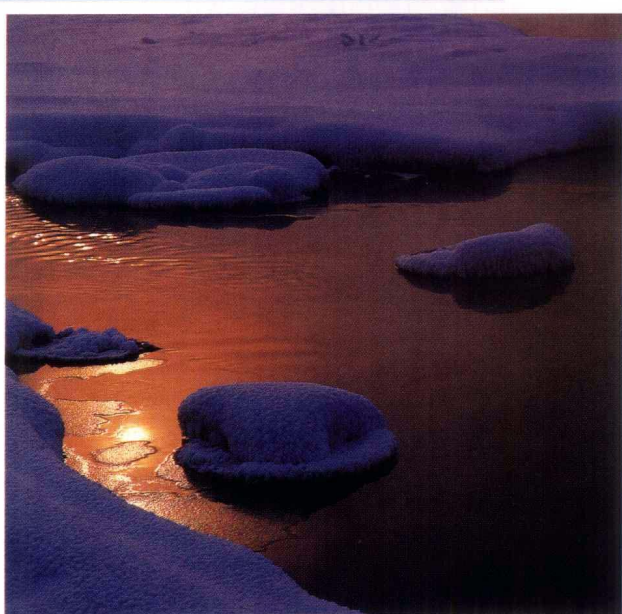




九曲回肠——圈河



冬季湿地塔头



霞光夕照



雪韵





芦苇湿地



岛状林湿地



高原沼泽湿地