

<<锦绣西部>>

图书基本信息

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## 内容概要

Western China's Nature Reserves--An Ecological Guide describes 46 forest parks and nature reserves in the western region of China. Here, the natural ecosystems of different types are well protected, making the parks and reserves highly valuable for environmental protection and improvement, scientific research, education, recreation and tourism. The book provides basic information on each forest park and reserve, including the habits of the wild animals and plants. The book contains some 20 photographs, and is sure to stir the interest of nature lovers, conservationists, scientists, teachers and students of the natural sciences, and tourists.

China's west is a vast territory, encompassing six provinces, five autonomous regions and one municipality. Its nature reserves and forest parks are remarkable for their varied topography, natural wonders, picturesque landscapes and places of historic interest, including the Himalaya, Kunlun and Tianshan mountain ranges, lush primeval forests, the Yellow, Jinsha and Lancang rivers, and the Hanas, Bitta and Dalai lakes. In addition, western China boasts the vast prairies of Inner Mongolia, Yunnan and Tibet, the Nujiang Canyon, glaciers and deserts. The west of China is a tremendous natural repository which is home to various types of natural ecosystems. It is a gene pool with a huge diversity of animal and plant species. A great number of the world's rare, precious and endangered animals and plants, such as the giant panda, tiger, elephant, wild yak, wild ass, rhesus monkey, Guizhou golden monkey, red-crowned crane, green peacock, silver fir, dove tree and many others thrive in the region. Many indeed are unique to China, and to preserve and foster them, and for the purposes of scientific research, education and recreation, hundreds of nature reserves and forest parks have been established in the west of China in the past few decades, most of which are little-known to the people of the rest of the world. But as nowadays people throughout the world are becoming more interested in ecological tours, I hope this book will encourage people both at home and abroad to make ecological tours of these parks and reserves.

## 作者简介

Professor Qingru Zhao graduated from Peking University and is now a senior researcher of forestry. For some decades now, he has been concentrating his attention on nature conservation, especially in the area of nature reserves. His research and travels have made him acquainted with a great number of nature reserves and their rare, precious and endangered animals and plants. These experiences helped further shape and solidify his desire to become a nature conservationist. His research has resulted in several books and dozens of papers on nature conservation and forestry, which were published both in China and abroad. Among them, eight papers were published by the UNESCO journals *Parks and People* and *Unasylva*. His publications and his years of dedication to the subject have brought him recognition in the field of nature conservation, and he has been invited to international conferences and seminars. Having gained a lifetime of knowledge about China's nature reserves, the author believes that it is necessary to share his experience and intimate knowledge with people throughout the world. He, therefore, wrote this book following his previous book titled, *The Wonderlands of China's National Parks*, which was published in 2002 in both English and Chinese.

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## 书籍目录

Shaanxi ProvinceFoping Nature ReserveProtecting the most valuable and fascinating animal--the giant panda--and other rare and valuable wild animals and their habitatsMount Taibai National Forest ParkProtecting the natural forest ecosystem , rare and valuable animals and historical relics.Louguantai Forest ParkProtecting primeval forests and bamboo groves , rare and valuable wild animals and plants , and places of historic interest and scenic beautyZhongnan Mountains National Forest ParkProtecting forests , rare and valuable wild animals , and places of historical interest and scenic beautythree . River Wetland Nature ReserveProtecting wetlands , marshlands and birdsGansu ProvinceXinglong Mountains Nature ReserveProtecting the natural spruce forest ecosystem , wild animals and plants . and places of historicalinterest and scenic beautyMaiiii National Forest ParkProtecting the natural forest ecosystem on the loess plateau , mountain landscapes and places of historical interest and scenic beautyTaitong Forest ParkProtecting the natural forest ecosystem on the loess plateau , and places of historical interest and scenic beautyShifogou National Forest ParkProtecting the natural forest ecosystem , and places of historic interest and scenic beautyNingxia Hui Autonomous RegionHelan Mountains Nature ReserveProtecting the spruce and pine forest ecosystem in an arid area and its wildlifeLiupan Mountains Nature ReserveProtecting the coniferous and broadleaf forest ecosystem on the plateau , leopard and other valuable animalsShapotou Nature ReserveProtecting the desert ecosystem , the achievements of sand control , oases , animals and plants of desert areaQinghai ProvinceThree River Sources Nature ReserveProtecting a valuable natural headwater ecosystem , wetlands and marshlandsLongbao Lake Nature ReserveProtecting lakes and weflands , home to the rare black-necked craneBird Island Nature ReserveProtecting the lake and the island , habitats for large numbers of bar-headed geese , gulls , swans and other valuable birdsMengda Nature ReserveProtecting the natural forest ecosystem . rivers and lakes and the green lush landscapes on the dry plateauXinjiang Uygur Autonomous RegionHanas Nature ReserveProtecting a beautiful lake , natural forest ecosystem and wildlifeBayinbulouk Nature ReserveProtecting marshlands , and their wild bird inhabitantsBulgen Nature ReserveProtecting a willow forest ecosystem along a river , and the local beavers and otherwildlife.....Sichuan ProvinceChongqing MunicipalityYunnan ProvinceGuixhou ProvinceGuangxi Zhuang Autonomous RegionTibet Autonomous RegionInner Mongolia Autonomous Region

## 章节摘录

**The Functions and Values of Wetlands** Wetlands are broad and flat watery wildernesses covered with permanent or seasonal shallow waters less than 2 m deep are internationally recognized as shallow wetlands. Wetlands are widely spread throughout the world as marshlands, coastal wetlands, riverbank wetlands, lakeshore wetlands, estuary wetlands, bay wetlands, delta wetlands, floodplain wetlands, and prairie wetlands. The vegetation can be lush or sparse. Wetlands are transitional areas between land ecosystems and aquatic ecosystems. Wetlands are very valuable ecosystems extremely rich in organic matter and wildlife, providing fine habitats for diverse animals, and they offer a great variety of opportunities for human use too. They play very important roles in ecological, social and economic affairs. Take reed-studded wetlands for example. They supply water directly or act as supplements to underground water that can help control floods, prevent salinization of the soil, and detain sediments, nutrient and harmful materials. Sediments make wetlands extremely fertile, and promote the surrounding agriculture. Wetlands can also effectively reduce environmental pollution and decrease the greenhouse effect. They can purify water and adjust the local climate. Wetland water is astonishingly pure and unpolluted. It has been found that the wind speed in the reed-studded areas commonly found in wetlands measures 0.11 m per second, but the wind speed on open ground reaches 2.97 m per second, a reduction of 96 percent. Moreover, evaporation in reed-studded areas is only 0.2 mm per hour, while that on open ground soars to 1.05 mm per hour, an increase of 80 percent. Reed-studded wetlands can adjust drought and flood conditions, and improve the soil; therefore they can create favorable conditions for agriculture. Comparatively unscathed by civilization, wetlands teem with life and protect organic diversity, including wild plants (chiefly grasses), provide fine habitats for wildlife including some endangered and threatened species, including fish, shrimps, clams, crabs, alligators, turtles, frogs, insects and many other amphibians and reptiles, forming a peculiar ecosystem and a special organic chain. Wetlands provide havens for a great assortment of birds to feed, nest and breed. The reserve is a vast, watery wilderness dotted with a patchwork of several distinct ecosystems. Rivers, swamps, shimmering ponds, reed-studded marshes, grass, patches of forest, flower-strewn meadows and multicolored blossoms make this reserve a land of many beauties, which are endangered by the great variety of wildlife. Much of it is unsullied by human development. The swamps are not for mammals that prefer a firm footing, but great

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