

<<治理黄河思辨与践行>>

图书基本信息

书名：<<治理黄河思辨与践行>>

13位ISBN编号：9787806217276

10位ISBN编号：7806217274

出版时间：2003-10

出版时间：李国英 黄河水利出版社 (2003-10出版)

作者：李国英

版权说明：本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问：<http://www.tushu007.com>

<<治理黄河思辨与践行>>

内容概要

《治理黄河思辨与践行(英文版)》主要内容：Great achievements attracting worldwide attention have been made in Yellow River harnessing through incessant efforts in history especially through large-scale probing and practicing since the founding of the People's Republic of China. Yet the intrinsic laws of the Yellow River have not been fully understood or mastered; the major problems such as flood threat, water resource shortage, water and soil losses and water pollution have never stopped challenging us. After all, the Yellow River is the most complex and difficult river in terms of harnessing and control. Facing the tasks, status quo and challenges in the future concerning the Yellow River harnessing, we have no other alternatives but to go all the way out to develop the "Three Yellow Rivers" harnessing system (the "Prototype Yellow River," the "Digital Yellow River" and the "Model Yellow River") .

<<治理黄河思辨与践行>>

作者简介

Li Guoying, Professor, Commissioner of Yellow River Conservancy Commission.

书籍目录

Chapter 1 Situation of the Yellow River in the Early 21st Century
Section 1 Major Progress in the Harnessing, Development and Management of the Yellow River
Section 2 Basic Experiences and Understandings
Section 3 The Situation of the Yellow River at Present and in the Years to Come
Chapter 2 Objectives of and Approaches to the Yellow River Harnessing
Section 1 How to Ensure the Yellow River Dike not to Breach
Section 2 How to Ensure the Lower Reaches of the Yellow River not to Have Zero-flow
Section 3 How to Ensure the Water Quality not to Exceed the Standard
Section 4 How to Ensure Riverbed not to Rise Further
Chapter 3 Construction of the "Three Yellow Rivers" Harnessing System
Chapter 4 Construction of the "Prototype Yellow River"
Section 1 Ten Major Issues Pending the Yellow River Harnessing
Section 2 Establishment of a Perfect Measurement System of the "Prototype Yellow River"
Section 3 Sediment and Discharge Regulation of the Yellow River
Section 4 Establishment of the Concept of "Vital Water Volume Keeping Rivers Alive"
Section 5 Construction of Standardized Dykes of the Yellow River
Section 6 Construction of Channel Regulation Works
Section 7 Two Key Points for Water and Soil Conservation of the Loess Plateau
Section 8 Flood Control of Qinhe River——Not to Be Neglected
Section 9 Views on the Planning for Weihe River Harnessing
Section 10 Furthering Study and Harnessing of the Estuary of the Yellow River
Chapter 5 Development of the "Digital Yellow River"
Section 1 Construction of the "Digital Yellow River" Project
Section 2 On Issues Related to Formulation of the "Digital Yellow River" Project Planning
Section 3 Acceleration of "Digitalization" of Flood Control of the Yellow River
Section 4 Objectives and Principles of the Overall Design of Water Volume Dispatching System of the Yellow River
Section 5 Construction of Information Highway in Support of the "Digital Yellow River"
Chapter 6 Construction of the "Model Yellow River"
Section 1 Construction of a Complete "Model Yellow River" System
Section 2 The Guarantee Mechanism for Construction and Operation of the "Model Yellow River"
Chapter 7 Western Route of the South-to-North Water Transfer Project
Section 1 The Strategic Measure to Remedy the Severe Water Resource Shortage of the Yellow River
Section 2 Cognition and Evaluation of the Western Route Scheme of the South-to-North Water Transfer Project
Chapter 8 Harnessing of Continental Rivers
Section 1 The Key of Water Regulation of the Black River Is at Zhangye City While the Core Is Water Conservation
Section 2 Thoughts about the Ecological Development of the Black River Basin
Section 3 Summarization of Experiences in Harnessing the Black River and Exploration of the Management Model for Continental River Basins

章节摘录

Should there be a question like "what is Yellow River" ?

You may promptly reply, "who doesn't know the Yellow River, if he or she is a descendant of Chinese nationality ?

" There could be no more than but one simple answer: "The Yellow River is a river which runs through on the land of China."Yet, people of different background may give different explanations and understandings. Historians may tell you that human was born with the mixture of water and soil from the Yellow River. For this reason, the Yellow River is not only a physical river running through the Loess Plateau of northern China, but a "mother river" which nurtures hundreds of millions of descendants of the ancestry of the Chinese nationality and in essence a great mother who creates the spirit of the Chinese nation. Geologists may argue that it is the ocean that gives birth to mountains and mountains give birth to the Yellow River. The roaring current of the Yellow River is an evolution from inland lakes that originates from the faults of the Erdos Mountain. As early as 1.5 million years ago, numerous lakes and rivers and streams that flowed into these ancient lakes which gradually merged and linked with each other as a result of strong pressing, lifting and depression of the crust of the earth, a great river was hence formed and eventually found its course leading to the far end of the earth and emptying itself into the sea. The analysis based on 145 floods during 1950--1960 and 1969-1985 in natural conditions shows that, when other factors remain unchanged, the sedimentation in downstream channel will be reduced by 51 million tons if the sediment transport from Hekou township to Longmen is reduced by 100 million tons; the downstream channel sedimentation will be reduced by 39 million tons if the sediment transport from Longmen to Tongguan is reduced by 100 million tons; the downstream channel sedimentation will be reduced by 82 million tons if the water volume above Hekou township increase by 10 billion m³, and the downstream channel sedimentation will be reduced by 160 million tons if the water volume of the Yiluohe River and the Qinghe River below Sanmenxia increases by 10 billion m³. According to the above statistics, it is quite obvious that there is a close relationship between the annual average sediment content in the downstream channel and the channel sedimentation of per 100-million m³ water volume. The smaller the average sediment content is, then the less the channel sedimentation of per 100 million m³ water volume will be, or even scouring may happen. The bigger the average sediment content is, then the larger the channel sedimentation of per 100 million m³ water volume shall occur. Through analysis of the interrelationship between the annual average sediment content and the channel sedimentation of per 100 million m³ water volume in long series, it is found that the channels incur sedimentation when the annual average sediment content is bigger than 20 - 25 kg/m³, and that the channels attract scouring when the annual average sediment content is smaller than 20--25 kg/m³.

<<治理黄河思辨与践行>>

编辑推荐

《治理黄河思辨与践行(英文版)》由黄河水利出版社出版。

<<治理黄河思辨与践行>>

版权说明

本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问:<http://www.tushu007.com>