

Current situation and possible management practice in future of rural water conservancy in Hai River Basin

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ABSTRACT

Hai River Basin is one of China's major agricultural areas, with a huge rural population. Water conservancy is of great importance in this region. There are three integral elements in managing rural water resources: the consideration of current situation, the adoption of effective management measures, and the projection of future needs. In this study, we provide an in-depth investigation of current water resources situation of Hai River Basin. Five issues are analyzed: (1) the construction of conservancy projects; (2) the irrigation of farmland; (3) the safety of drinking water; (4) the protection of water environment; and (5) the model of management practice. Existing problems are diagnosed and possible solutions are discussed. Finally, a summary is made for managing water resources and meeting future needs.

Keywords: Rural Water Conservancy, Farmland Irrigation, Management Practice, Hai River Basin

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