文章摘要

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飞来峡库区水资源承载力研究

Carrying Capacity of water Resources in Feilaixia Reservoir

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中文关键词: 飞来峡水库 水资源承载力 距离指数---层次分析法

英文关键词: Feilaixia reservoir carrying capacity of water resources distance index-AHP

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中文摘要:

把飞来峡库区水资源承载力作为一个系统进行研究,将它划分为水资源条件、社会经济状况和生态环境3个子系统,并对每个子系统选取相应的评价指标,从而构建飞来峡库区水资源承载力评价指标体系。在此基础上,分别以2010年、2015年为评估年和参照年,各项指标为评估系和参照系,运用距离指数---层次分析法计算出飞来峡库区2010年相对于2015年的距离指数,得出社会经济状况子系统状态为基本可承载、水资源条件子系统和生态环境子系统均为可承载状态、整个系统状态为可承载,以及飞来峡库区的水资源状态安全的结论。

英文摘要:

The carrying capacity of water resources in Feilaixia Reservoir area is studied as a system which is divided into three sub-systems:water resource condition、socioeconomic condition and ecological environment .Based on the selected assessment indexes of each subsystem, the evaluation indexes system is built up .The year of 2010, 2015 have been respectively considered as evaluation year and reference year, indexes of them as evaluation system and reference system .The distance index-AHP has been used to account the distance between them .The results show that in 2010 the socioeconomic condition subsystem is basic carrying state, wa-ter resources subsystem and ecological environment subsystem are carrying state, and the system state is carrying state .Generally speaking, the Feilaixia Reservoir area is on the state of basal security .

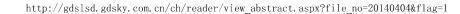
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