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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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作者	单位
阳蓉	广东省飞来峡水利枢纽管理处,广东清远,511500

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 evalua-tion 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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