

简报

1961—2005年河北省降水气候特征及雨水资源的开发利用

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收稿日期 2007-10-8 修回日期 2008-3-5 网络版发布日期 接受日期

摘要 河北省的气候条件造成了该地区水资源量的补给不足,雨水是本区水资源的主要来源之一,雨水的多少往往对应着水资源的丰枯变化。根据1961—2005年河北省长系列降水资料,对全区雨水资源进行了时空分布、年内变化分析和多年变化分析。结果表明:河北省降水量呈逐年减少的趋势,且平原降水减少速率要远远高于山地。通过雨水资源量的分析得出在一定程度上降水的缺乏形成了河北省水资源的补给量不足,加剧了水资源紧张的状况。河北省传统水资源开发利用已达到极限,为了缓解水资源的供求矛盾,提出大力开发利用雨水资源是缓解本区水资源供求矛盾的有效途径。

关键词 [水资源](#) [降水](#) [干旱](#) [雨水资源](#) [开发利用](#)

分类号

Climatic characteristics of precipitation and exploitation and utilization of rainwater resource from 1961 to 2005 in Hebei province

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Abstract The climatic conditions result in the lack of water resources in Hebei province. Precipitation is one of the main sources of water resources, and rain amount often corresponds to the high flow or the low flow changes of water resources. Based on precipitation data from 1961 to 2005 in Hebei province, the temporal and spatial distributions, annual and multiple annual variations of rainwater resources were analyzed. The results indicate that precipitation is a decreasing tendency yearly by yearly in Hebei province, and the speed of precipitation decrease in plain is larger than that in mountain land. According to rainwater resource conditions, it suggests that lack of precipitation leads to the supply shortage of water resource to some extent, and it accelerates the shortage of water resource. The traditional exploitation and utilization method of water resource is already not appropriate. In order to settle the supply and demand contradiction, exploitation and utilization of rainwater resource is the effective method.

Key words [Water resource](#) [Precipitation](#) [Drought](#) [Rainwater resource](#) [Exploitation and utilization](#)

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