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## A Case Study of Value Assessment of Spring Precipitation in the Aspect of Water Resources

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Precipitation is the main supply source for all living things which cannot survive without this essential component. Furthermore, this source is one of the significant meteorological resources that greatly influence various human activities. In case of the Republic of Korea, two-thirds of the precipitation is concentrated in summer, so the event of water shortage occurs mainly during spring. Consequently, it is extremely critical to secure water resource during this period. Water resource entirely depends on precipitation, hence it is necessary to generally assess the value of economic benefit and loss after analyzing the accurate characteristics of precipitation to deliberately secure water resources.

In this research, the distribution and synoptic characteristics were analyzed after selecting the cases of spring precipitation (even distribution of rainfall throughout the country for the recent five years) to assess the value of spring precipitation in the aspect of securing spring water resource. Moreover, the value of spring precipitation will be estimated in terms of water resource after estimating the runoff discharge of the selected days based on the representative watershed-based dam.

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