

Sensitivity of Flow Metrics to Climate Variability and Extremes in Korea

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Abstract

The natural hydrologic regime is intimately tied to the structure and function of stream and riparian ecosystems. Consequently, understanding the nature and extent of perturbations to the hydrologic regime, stemming from episodic-to-seasonal and longer-term climatic variations, as well as anthropogenic influences is an important starting point for developing an improved understanding of the coupled human-environmental systems. Herein, we pursued to explicate sensitivity of ecologically relevant flow metrics to climate variability and extremes in the five major river basins, Korea.

Keywords : *Teleconnection Patterns, Tropical Cyclone, Indicators of Hydrologic Alteration*

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