

CRITERIA FOR DETERMINING WATER LEVELS CORRESPONDING TO FLOOD WARNING IN VIETNAM

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Abstract

Determining alarm levels of river floods is considered as an effective non-structural measure to prevent and mitigate the damages of flood and inundation. Studying scientific and practical base for identifying and adjusting flood alarm level is the process of understanding flood characteristics and assessing impacts of floods on social and economic activities. In this paper, proposed criteria to delineate water levels corresponding to flood alarm levels include: (1) flood magnitude; (2) flood derivation and flood duration; (3) flood risks and damage; (4) correlation with neighboring stations; (5) flood characteristics and local characteristics and (6) other criteria (rounded, traditional). The result of water level corresponding to flood warning for each hydrological station is helpful for warning and prevention of natural disasters and floods.

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