

Analysis of the influence of urbanization on storm and runoff patterns in Tianjin, China

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Abstract Tianjin is a big city located in a plain river network area. In recent years, rapid urbanization has resulted in serious flood and drainage problems. In this paper, the influence of urbanization on storm-runoff patterns of Tianjin is analysed. A model based on SWMM is established to simulate urban runoff to reflect and predict the influence of urbanization.

Key words flood prevention; urbanization; runoff; hydraulic model; Tianjin
